

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000318.D
 Acq On : 14 Mar 2018 17:16
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:04 PM

Quant Time: Mar 15 03:10:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	122839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	211347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	132778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	81846	62.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.20%	
35) Dibromofluoromethane	5.52	113	64047	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	8.73	98	266204	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	11.15	95	106459	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61836	58.72	ug/l	100
3) Chloromethane	1.32	50	61848	53.94	ug/l	100
4) Vinyl Chloride	1.41	62	75031	62.81	ug/l	100
5) Bromomethane	1.64	94	83722	82.58	ug/l	100
6) Chloroethane	1.73	64	48458	72.61	ug/l	100
7) Trichlorofluoromethane	1.93	101	127490	63.58	ug/l	100
8) Diethyl Ether	2.20	74	44351	64.69	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68904	60.12	ug/l	100
10) Methyl Iodide	2.51	142	75166	51.25	ug/l	100
11) Tert butyl alcohol	3.08	59	130137	275.96	ug/l	100
12) 1,1-Dichloroethene	2.38	96	64572	63.15	ug/l	100
13) Acrolein	2.30	56	53881	208.70	ug/l	100
14) Allyl chloride	2.73	41	114823	59.28	ug/l	100
15) Acrylonitrile	3.16	53	255940	317.00	ug/l	100
16) Acetone	2.45	43	279886	283.74	ug/l	100
17) Carbon Disulfide	2.57	76	190156	58.61	ug/l	100
18) Methyl Acetate	2.78	43	121093	61.35	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	228235	62.93	ug/l	100
20) Methylene Chloride	2.87	84	71053	61.18	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	70582	62.02	ug/l	100
22) Diisopropyl ether	3.88	45	173561	52.71	ug/l	100
23) Vinyl Acetate	3.84	43	841612	288.01	ug/l	100
24) 1,1-Dichloroethane	3.70	63	119057	62.70	ug/l	100
25) 2-Butanone	4.72	43	327130	248.98	ug/l	100
26) 2,2-Dichloropropane	4.59	77	84475	50.47	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	63019	53.38	ug/l	100
28) Bromochloromethane	5.03	49	55729	62.28	ug/l	100
29) Tetrahydrofuran	5.18	42	207583	257.54	ug/l	100
30) Chloroform	5.23	83	114231	57.31	ug/l	100
31) Cyclohexane	5.59	56	92044	53.08	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	102628	55.40	ug/l	100
36) 1,1-Dichloropropene	5.81	75	87742	48.67	ug/l	100
37) Ethyl Acetate	4.87	43	115038	45.81	ug/l	100
38) Carbon Tetrachloride	5.79	117	90307	45.89	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	102638	45.22	ug/l	100
40) Benzene	6.15	78	253476	49.57	ug/l	100
41) Methacrylonitrile	5.07	41	60029	45.48	ug/l	100
42) 1,2-Dichloroethane	6.21	62	98960	53.33	ug/l	100
43) Isopropyl Acetate	6.48	43	174047	46.67	ug/l	100
44) Trichloroethene	7.23	130	70330	43.55	ug/l	100
45) 1,2-Dichloropropane	7.52	63	63258	48.06	ug/l	100
46) Dibromomethane	7.67	93	49173	50.09	ug/l	100
47) Bromodichloromethane	7.91	83	90764	48.84	ug/l	100
48) Methyl methacrylate	7.79	41	85903	46.54	ug/l	100
49) 1,4-Dioxane	7.77	88	38131	818.45	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	666762	251.95	ug/l	100
52) Toluene	8.79	92	175405	51.24	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	107701	48.55	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	107938	49.68	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	71464	50.40	ug/l	100
56) Ethyl methacrylate	9.19	69	110162	48.63	ug/l	100
57) 1,3-Dichloropropane	9.38	76	116456	51.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	256119	242.67	ug/l	100
59) 2-Hexanone	9.51	43	571881	251.53	ug/l	100
60) Dibromochloromethane	9.59	129	78909	47.51	ug/l	100
61) 1,2-Dibromoethane	9.68	107	80505	51.62	ug/l	100
64) Tetrachloroethene	9.34	164	68488	38.47	ug/l	100
65) Chlorobenzene	10.15	112	207416	46.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	71428	43.69	ug/l	100
67) Ethyl Benzene	10.26	91	354173	47.97	ug/l	100
68) m/p-Xylenes	10.37	106	280787	96.18	ug/l	100
69) o-Xylene	10.71	106	135908	48.22	ug/l	100
70) Styrene	10.72	104	229091	48.42	ug/l	100
71) Bromoform	10.87	173	62542	36.30	ug/l #	100
73) Isopropylbenzene	11.02	105	371009	46.44	ug/l	100
74) N-amyl acetate	6.48	43	174047	41.25	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	131452	46.74	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	118186m	34.62	ug/l	
77) Bromobenzene	11.26	156	95491	42.01	ug/l	100
78) n-propylbenzene	11.37	91	446992	47.53	ug/l	100
79) 2-Chlorotoluene	11.43	91	253689	46.86	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	327085	47.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	38851	39.46	ug/l	100
82) 4-Chlorotoluene	11.52	91	317050	48.29	ug/l	100
83) tert-Butylbenzene	11.78	119	313026	44.92	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	337433	47.54	ug/l	100
85) sec-Butylbenzene	11.96	105	395473	46.92	ug/l	100
86) p-Isopropyltoluene	12.07	119	359729	45.83	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	187458	42.86	ug/l	100
88) 1,4-Dichlorobenzene	12.11	146	201639	44.19	ug/l	100
89) n-Butylbenzene	12.40	91	336311	46.32	ug/l	100
90) Hexachloroethane	12.60	117	56622	44.91	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	188881	44.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	36146	41.70	ug/l	100

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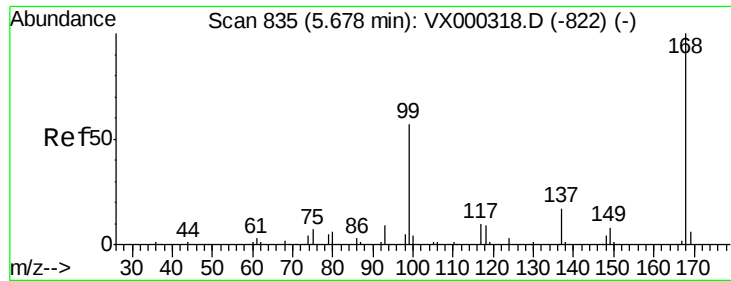
Manual Integrations
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3/15/2018 3:37:04 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130659	35.74	ug/l	100
94) Hexachlorobutadiene	13.79	225	49285	25.46	ug/l	100
95) Naphthalene	13.85	128	471004	43.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	128319	36.16	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 122839

Ion Ratio Lower Upper

168 100

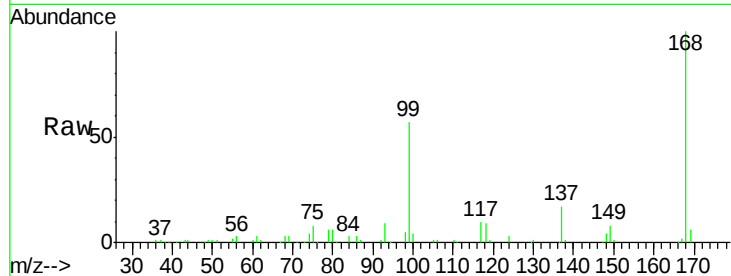
99 57.2 45.8 68.6

Manual Integrations

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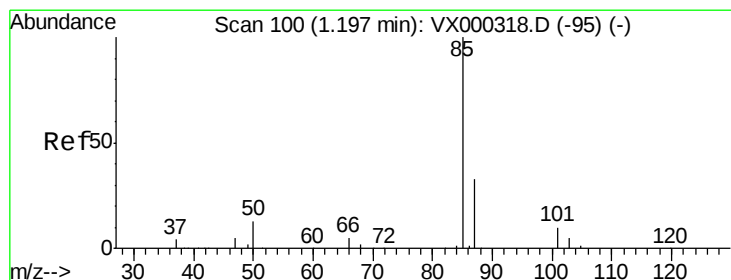
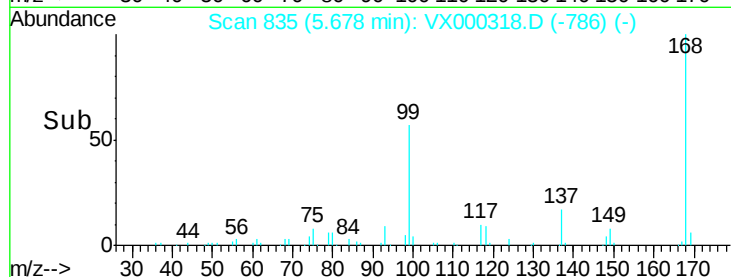
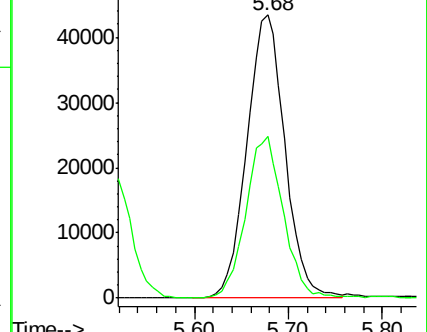
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.72 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000318.D

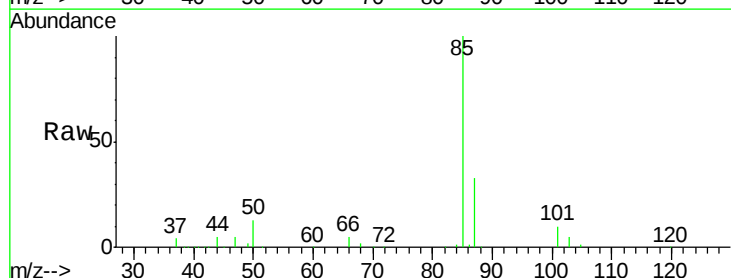
Acq: 14 Mar 2018 17:16

Tgt Ion: 85 Resp: 61836

Ion Ratio Lower Upper

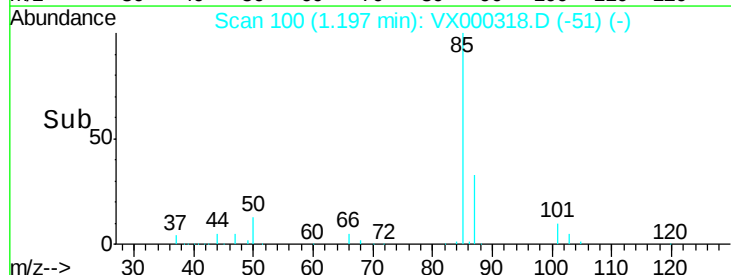
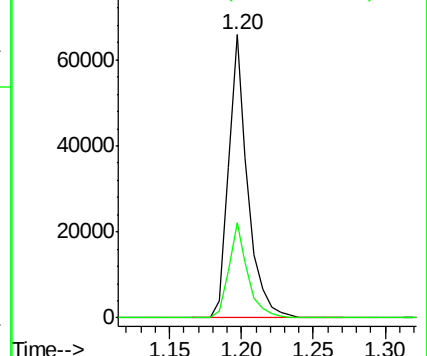
85 100

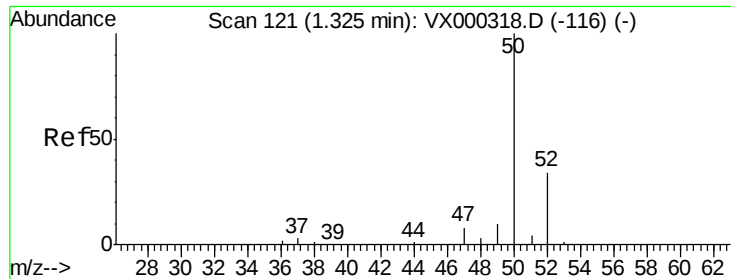
87 33.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.94 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 61848

Ion Ratio Lower Upper

50 100

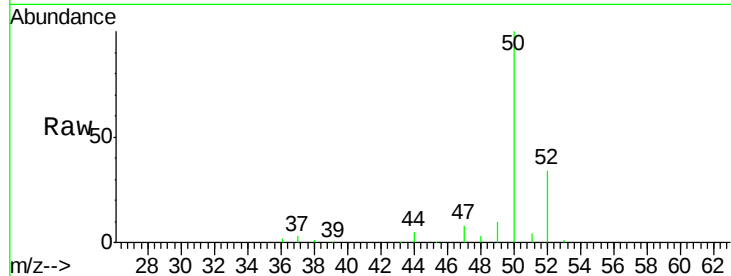
52 34.4 27.5 41.3

Manual Integrations

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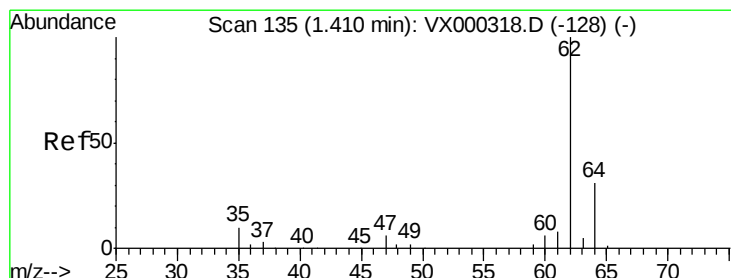
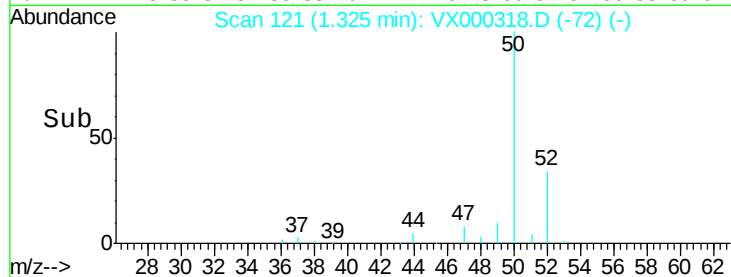
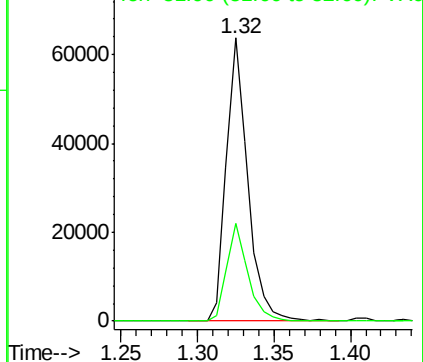
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 62.81 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000318.D

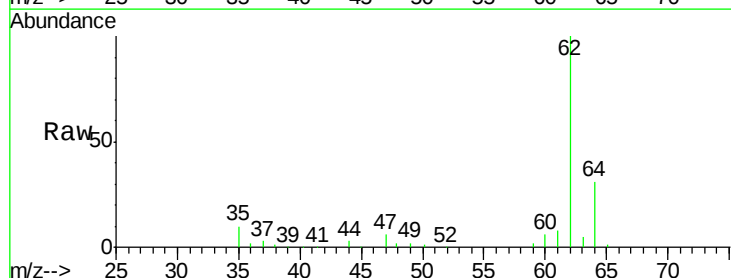
Acq: 14 Mar 2018 17:16

Tgt Ion: 62 Resp: 75031

Ion Ratio Lower Upper

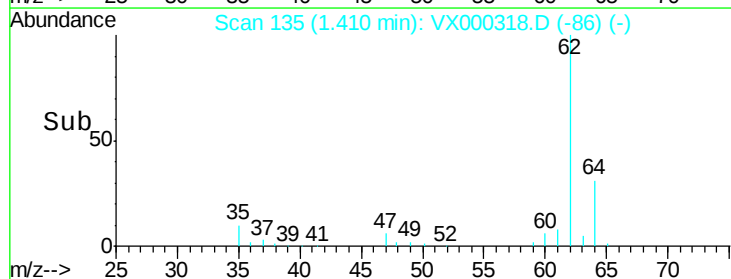
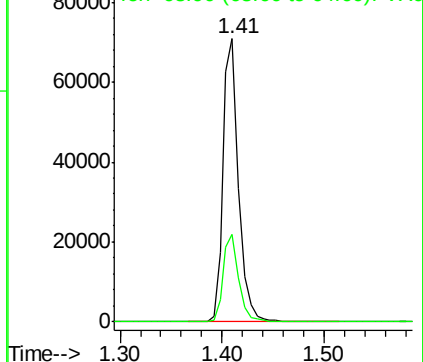
62 100

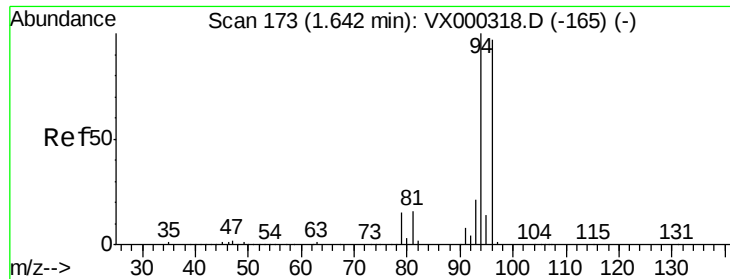
64 31.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 82.58 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 83722

Ion Ratio Lower Upper

94 100

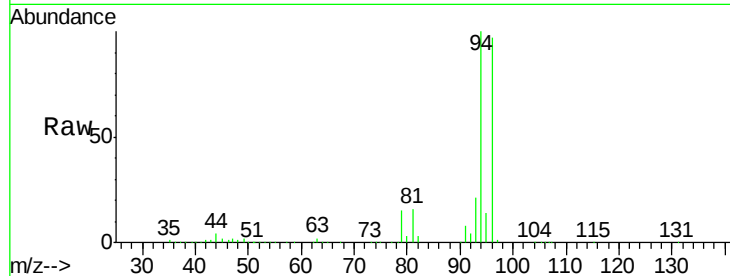
96 97.1 77.7 116.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

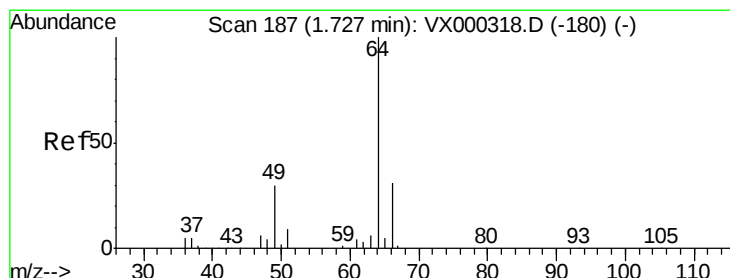
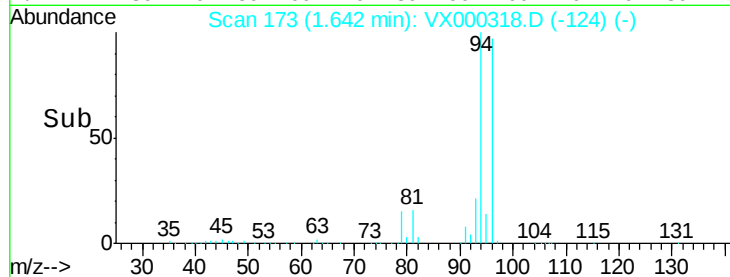
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 72.61 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000318.D

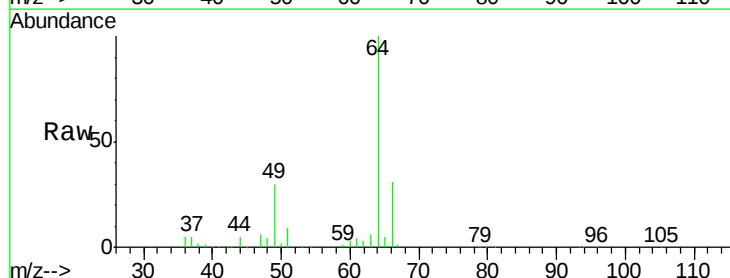
Acq: 14 Mar 2018 17:16

Tgt Ion: 64 Resp: 48458

Ion Ratio Lower Upper

64 100

66 31.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

40000

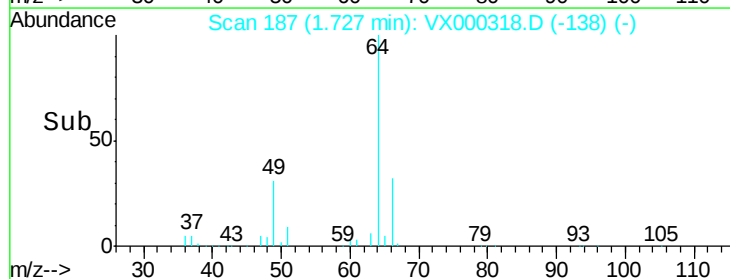
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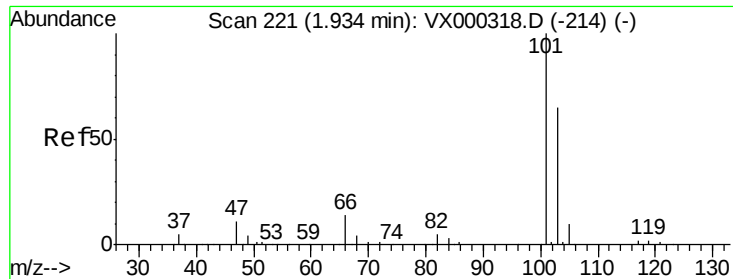
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Time-->





#7

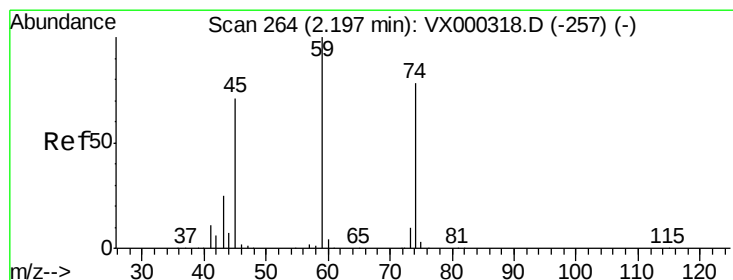
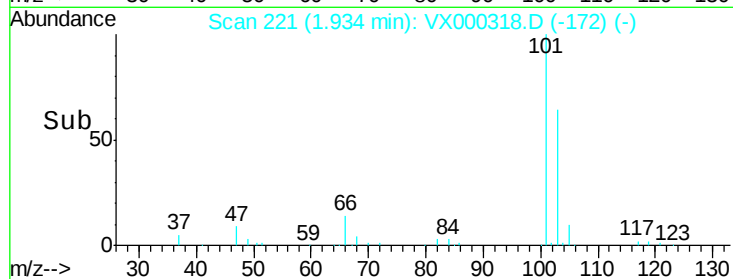
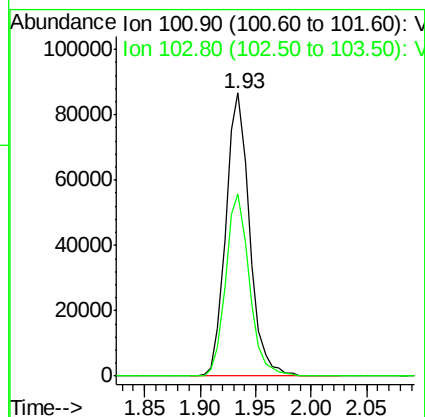
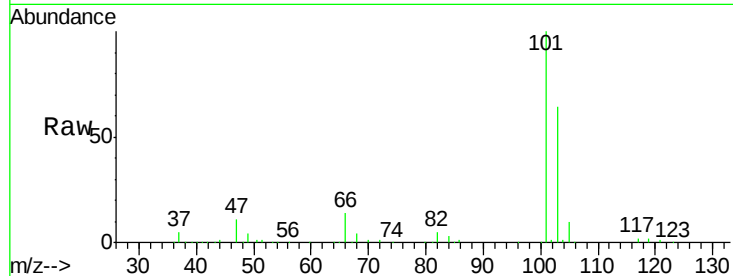
Trichlorofluoromethane
 Concen: 63.58 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	127490		
103	64.5	51.6	77.4	

Manual Integrations
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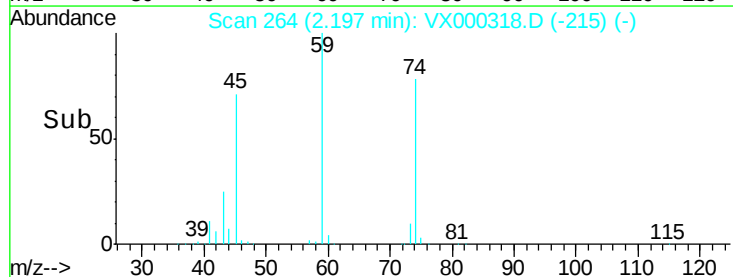
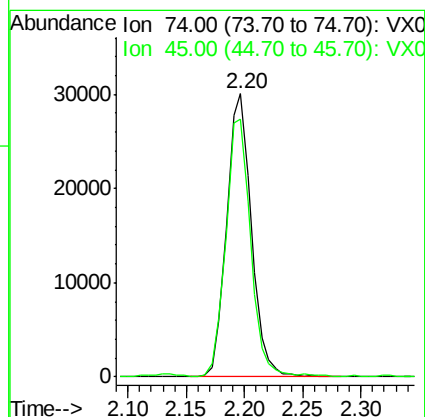
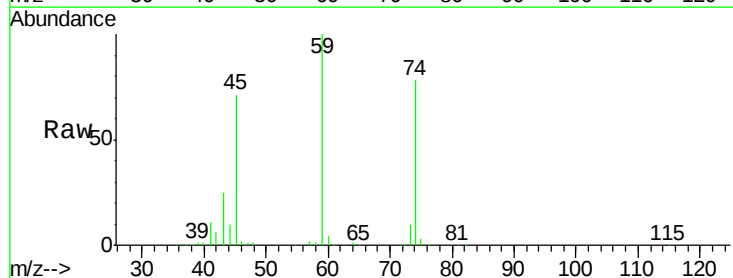
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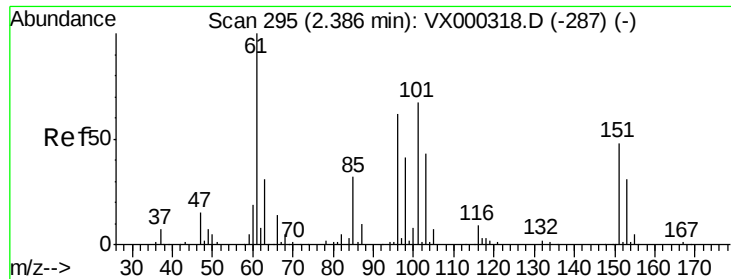


#8

Diethyl Ether
 Concen: 64.69 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44351		
45	90.2	45.1	135.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.12 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

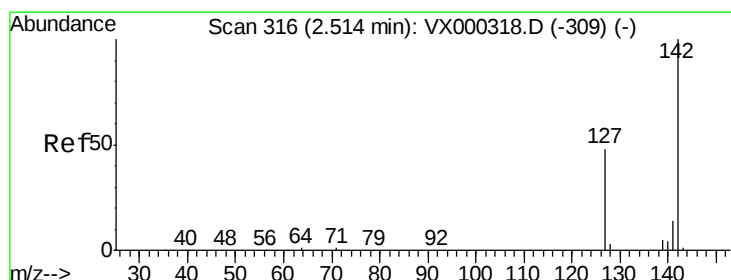
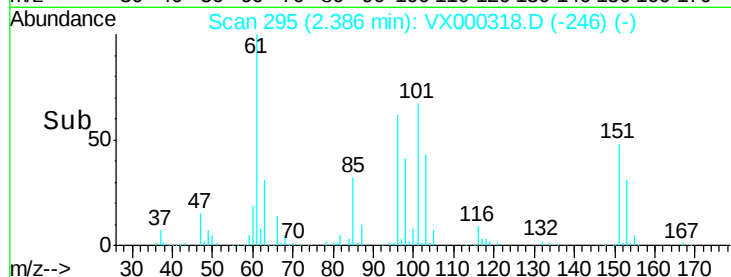
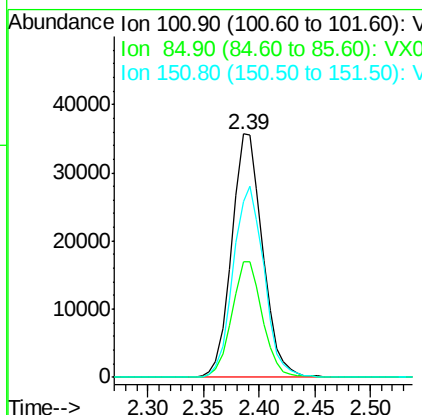
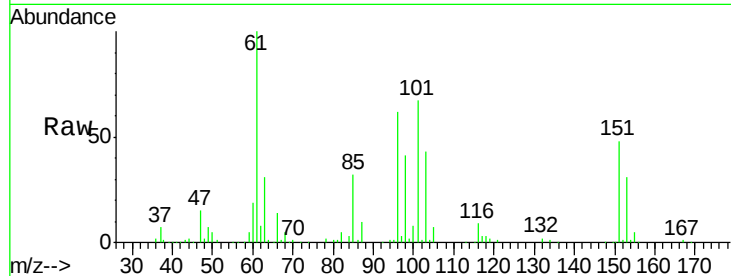
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	68904
Ion Ratio	Lower	Upper	
101	100		
85	47.0	37.6	56.4
151	78.2	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 51.25 ug/l

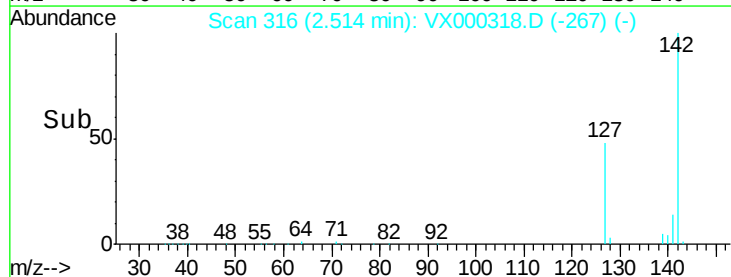
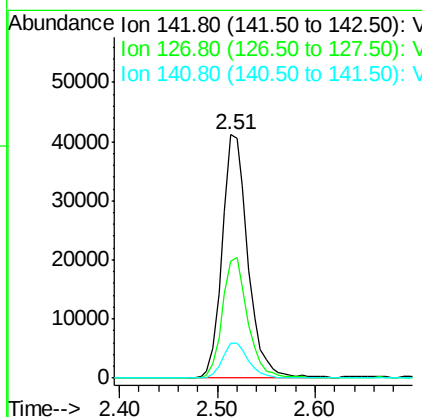
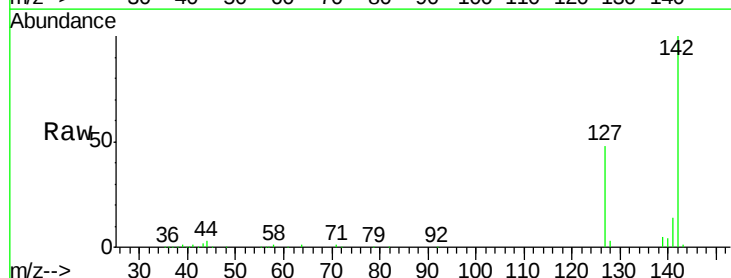
RT: 2.51 min Scan# 316

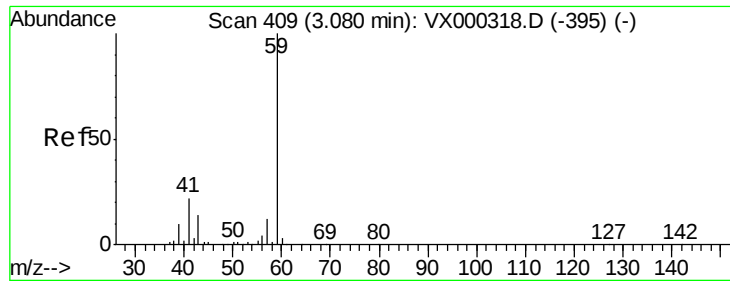
Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	142	Resp:	75166
Ion Ratio	Lower	Upper	
142	100		
127	49.0	39.2	58.8
141	14.6	11.7	17.5





#11

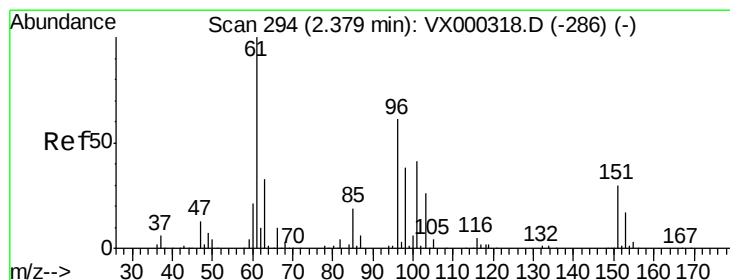
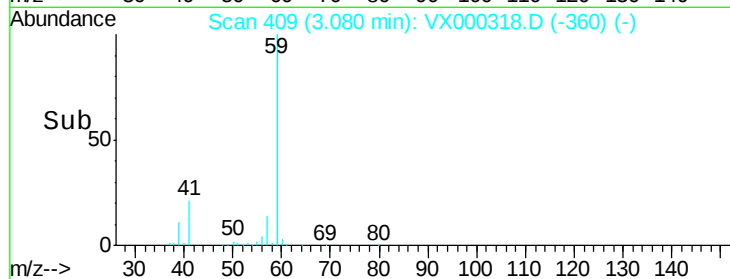
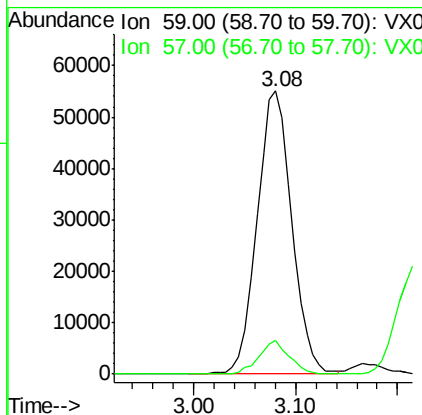
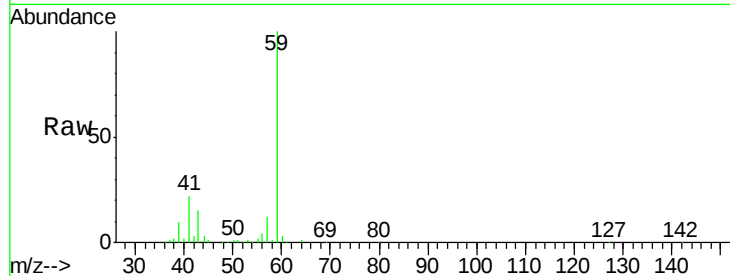
Tert butyl alcohol
Concen: 275.96 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

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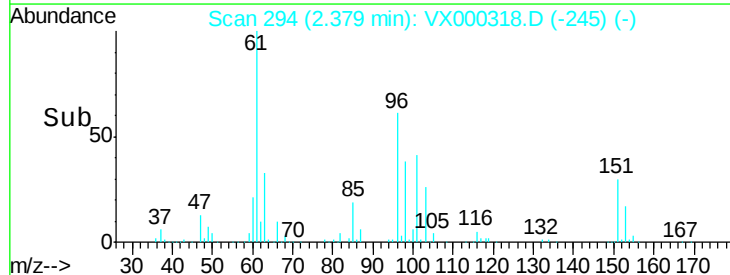
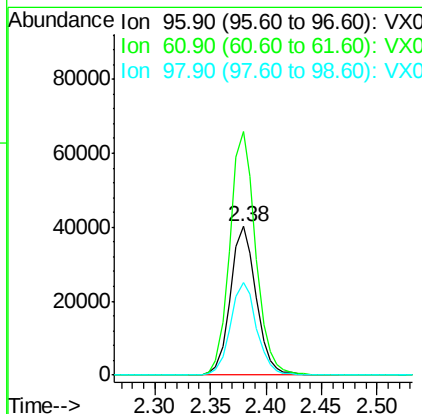
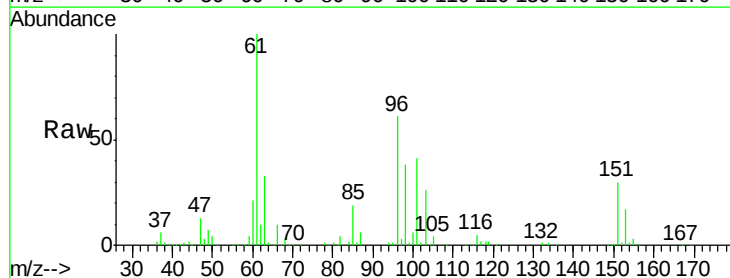
sam
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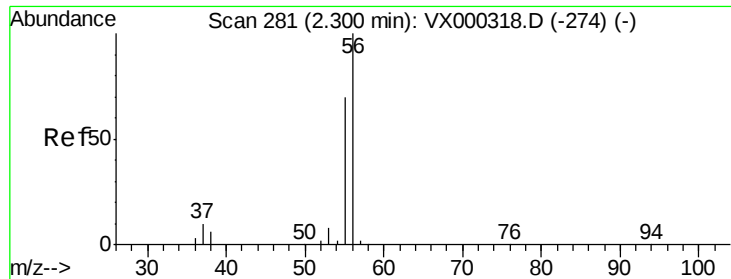


#12

1,1-Dichloroethene
Concen: 63.15 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.2	196.8
98	62.3	49.8	74.8





#13

Acrolein

Concen: 208.70 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 53881

Ion Ratio Lower Upper

56 100

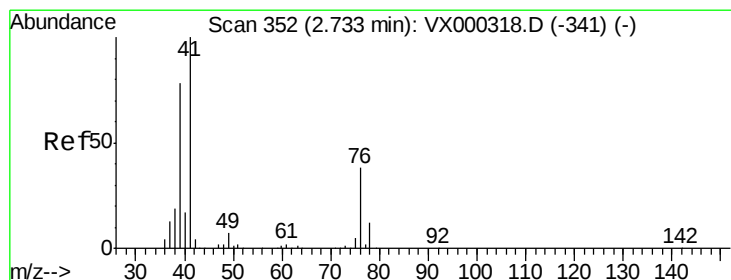
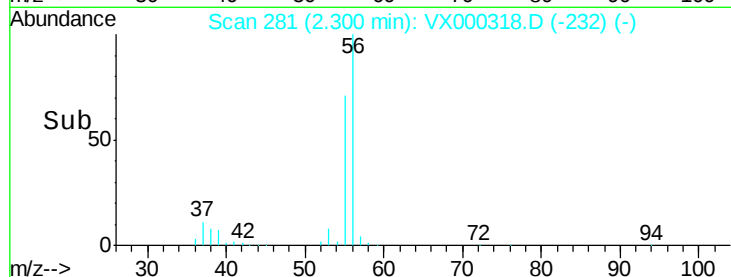
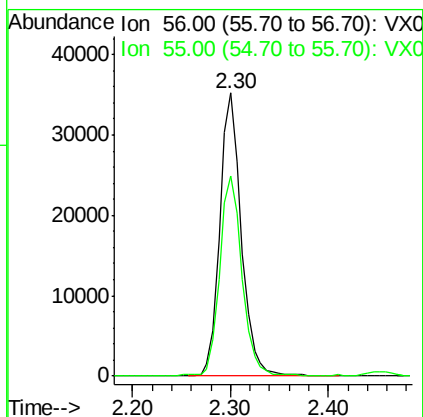
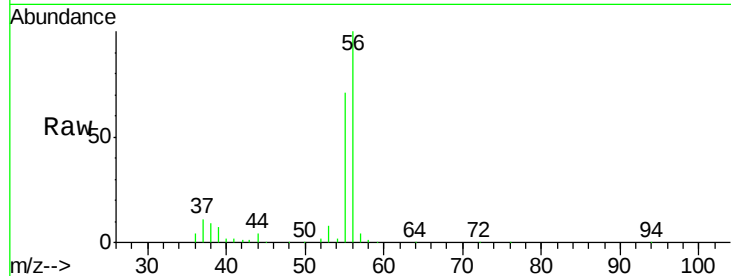
55 73.5 58.8 88.2

Manual Integrations

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#14

Allyl chloride

Concen: 59.28 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

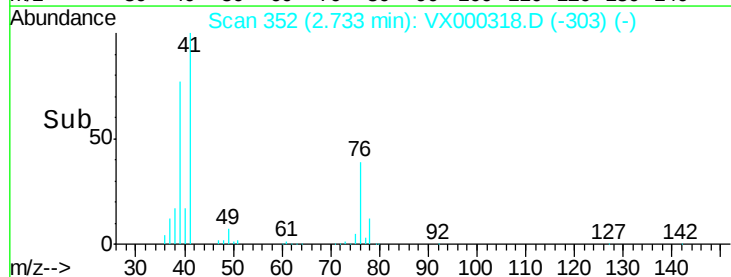
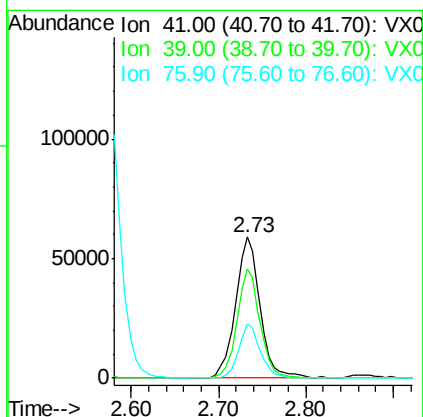
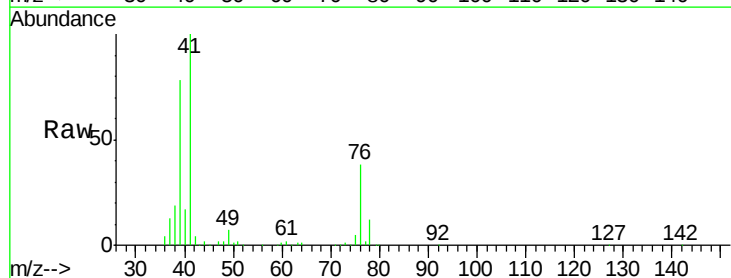
Tgt Ion: 41 Resp: 114823

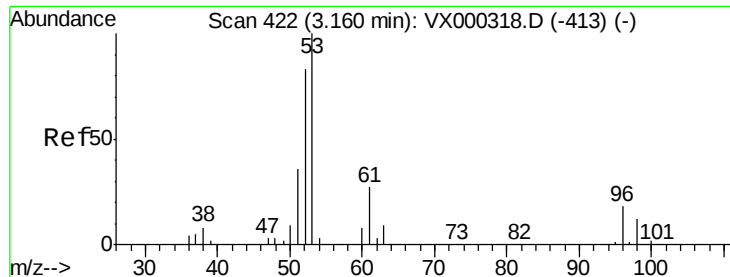
Ion Ratio Lower Upper

41 100

39 72.0 57.6 86.4

76 34.1 27.3 40.9





#15

Acrylonitrile

Concen: 317.00 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

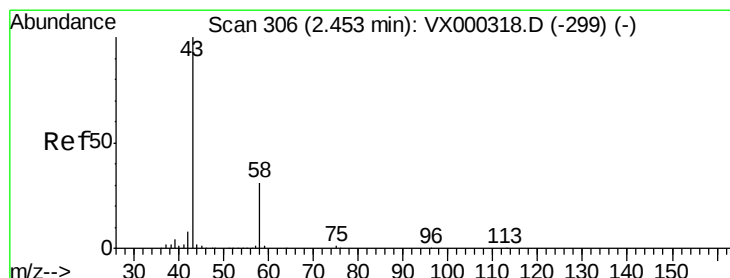
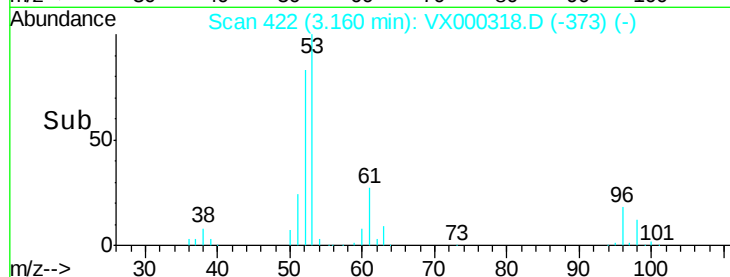
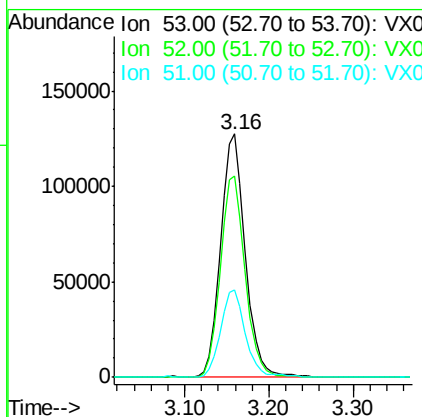
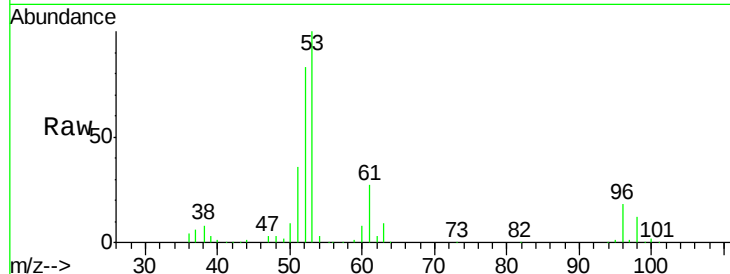
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	255940
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	99.8
51	36.6	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 283.74 ug/l

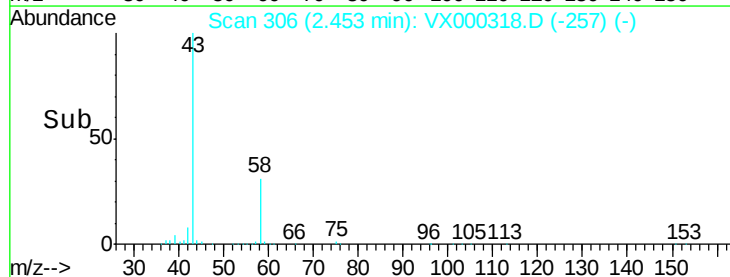
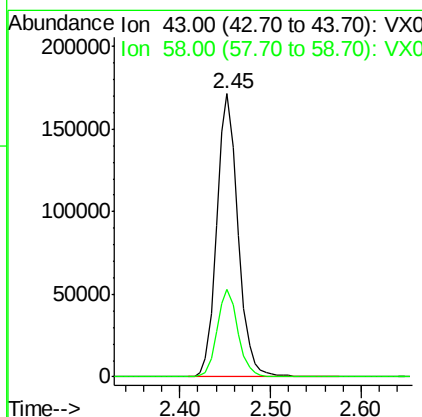
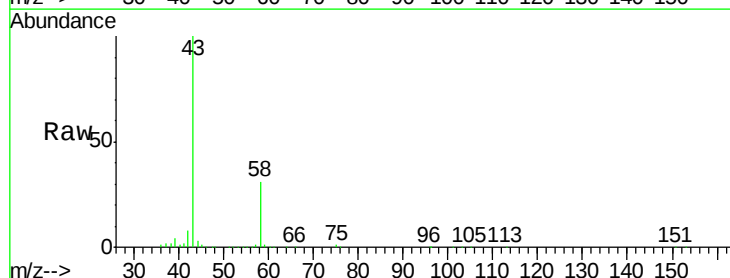
RT: 2.45 min Scan# 306

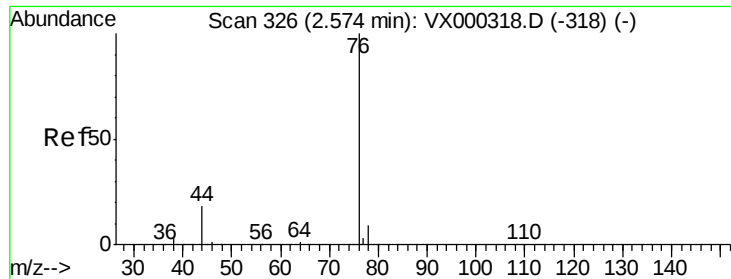
Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	43	Resp:	279886
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.7	37.1





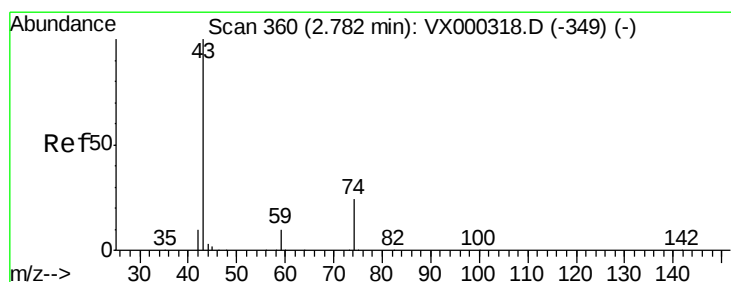
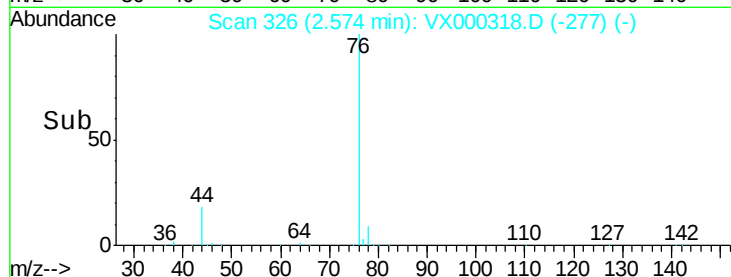
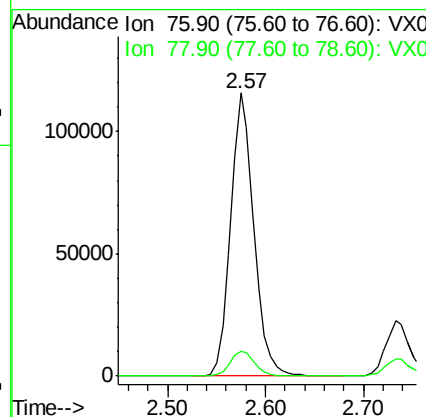
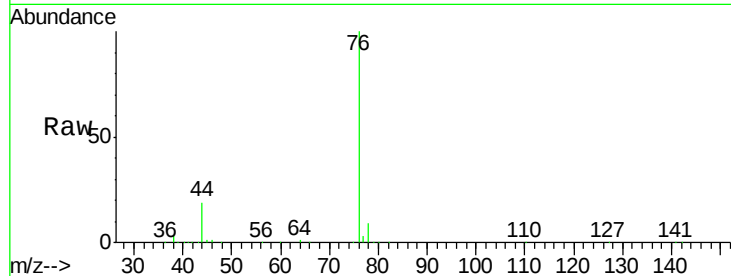
#17
Carbon Disulfide
Concen: 58.61 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

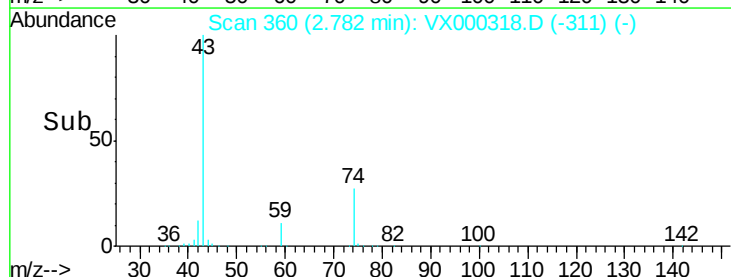
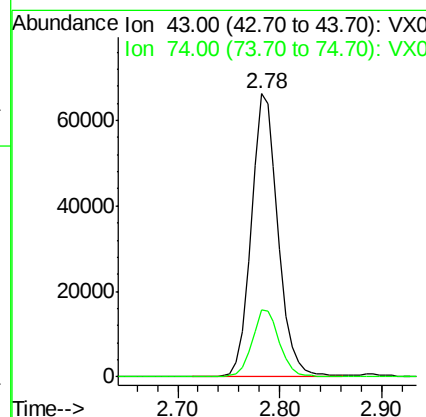
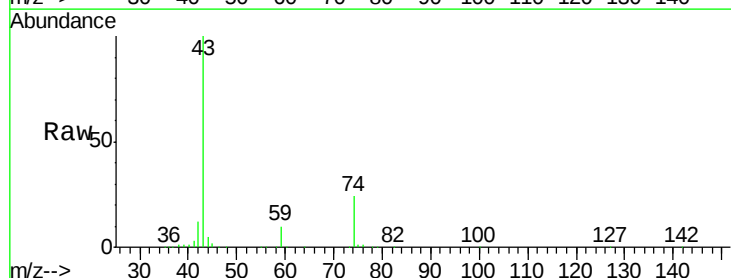
Manual Integrations
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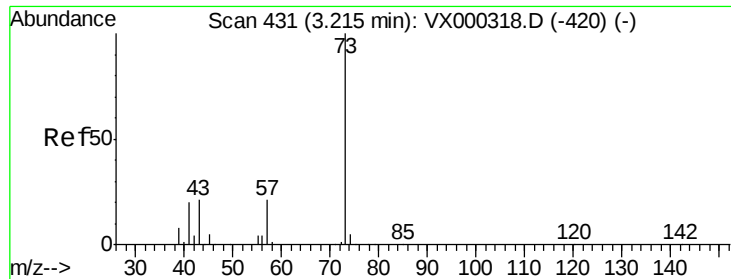
sam
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#18
Methyl Acetate
Concen: 61.35 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





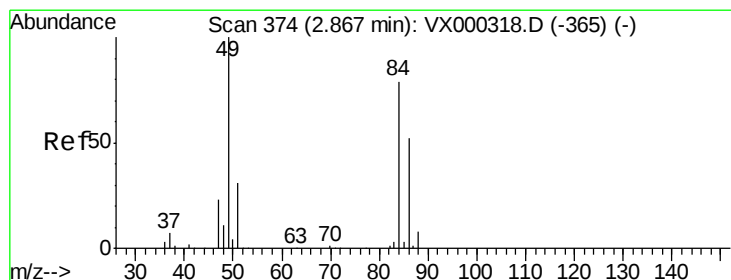
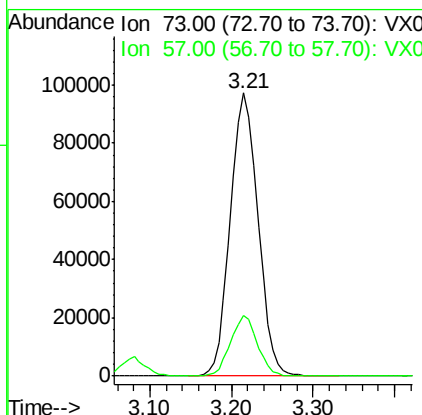
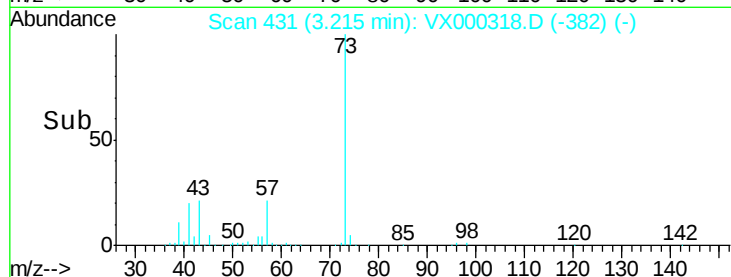
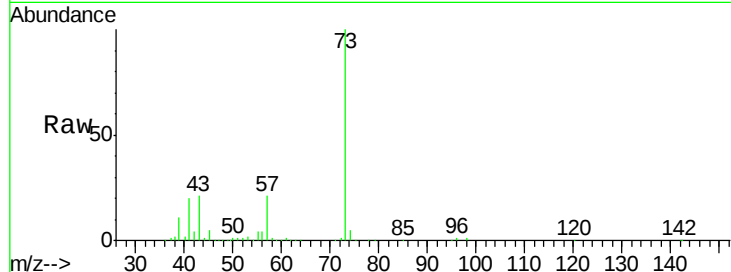
#19
Methyl tert-butyl Ether
Concen: 62.93 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.2	25.8

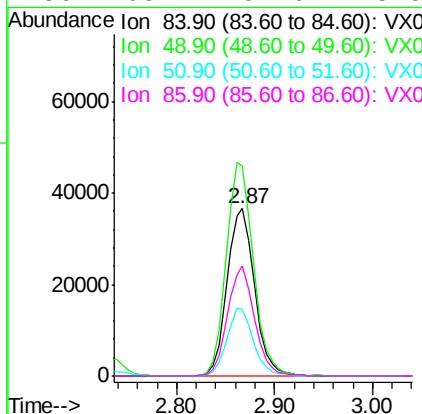
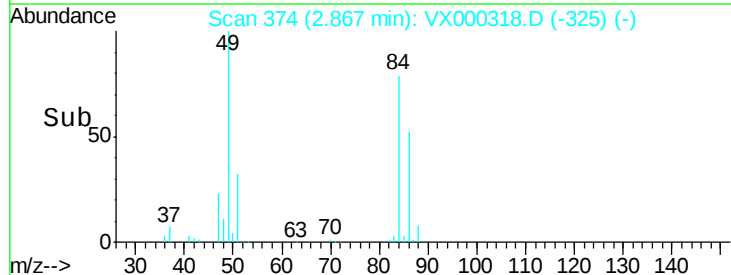
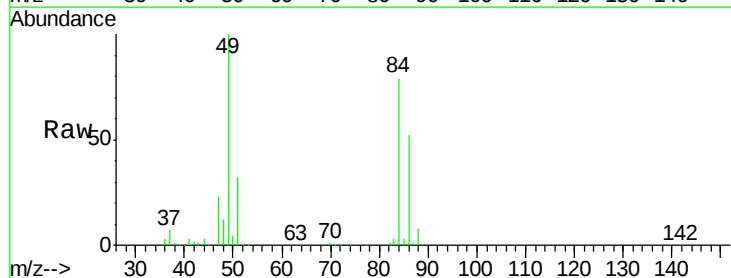
Manual Integrations
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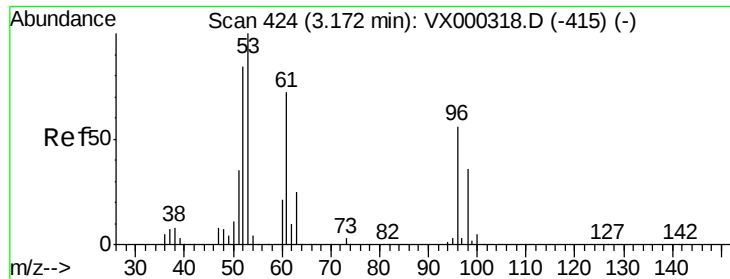
sam
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#20
Methylene Chloride
Concen: 61.18 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	100.6	151.0
51	39.5	31.6	47.4
86	65.7	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 62.02 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

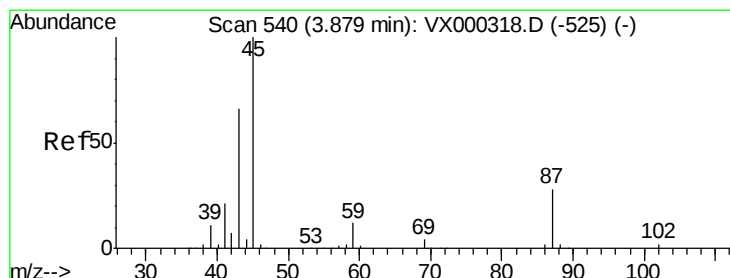
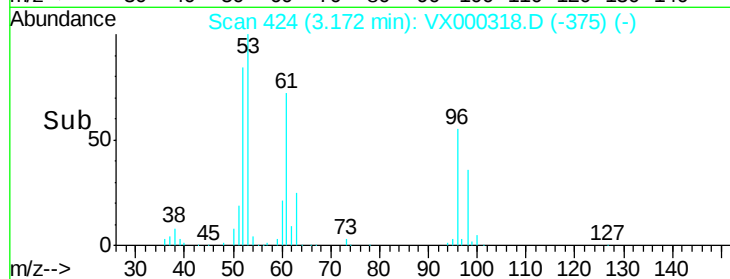
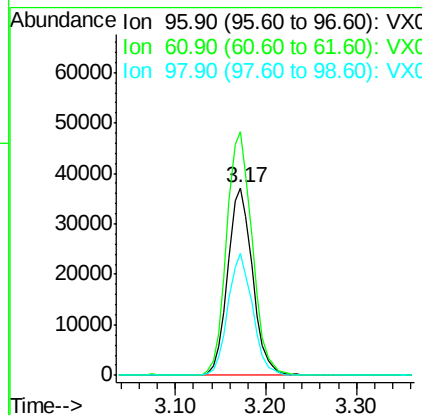
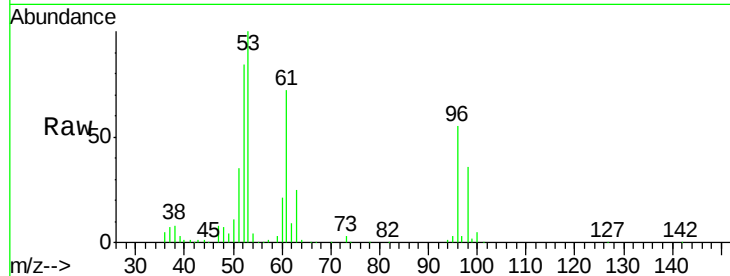
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	70582
Ion	Ratio	Lower	Upper
96	100		
61	130.0	104.0	156.0
98	65.1	52.1	78.1

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#22

Diisopropyl ether

Concen: 52.71 ug/l

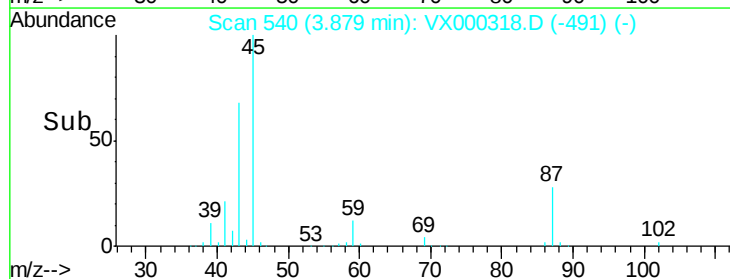
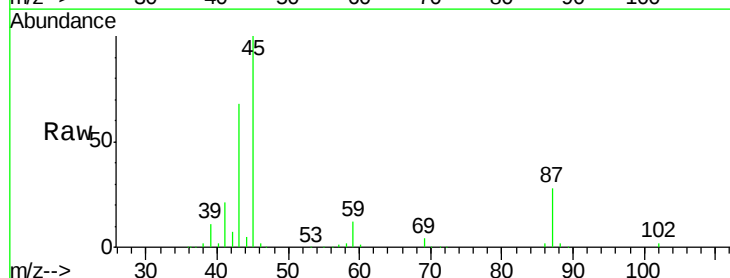
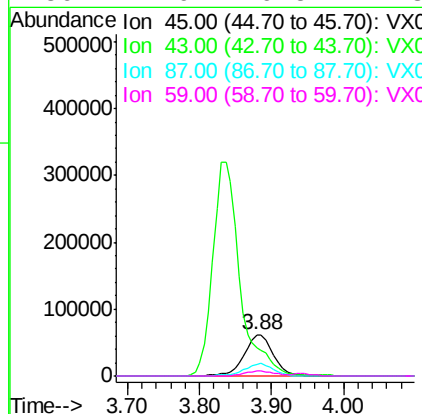
RT: 3.88 min Scan# 540

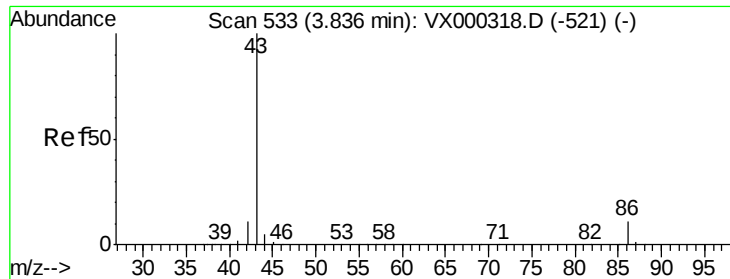
Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	45	Resp:	173561
Ion	Ratio	Lower	Upper
45	100		
43	67.4	53.9	80.9
87	28.3	22.6	34.0
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 288.01 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 841612

Ion Ratio Lower Upper

43 100

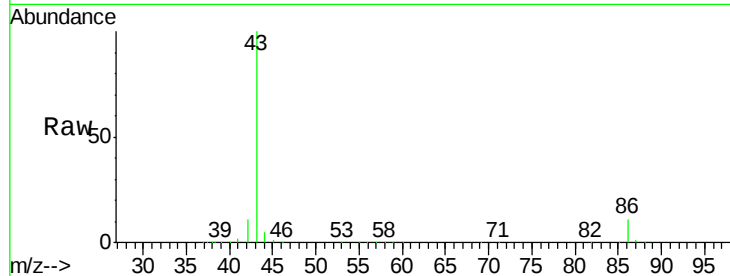
86 10.7 8.6 12.8

Manual Integrations

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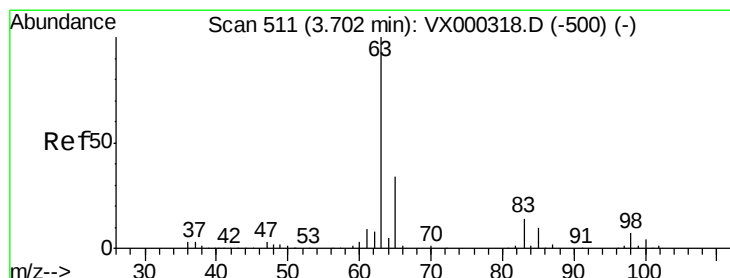
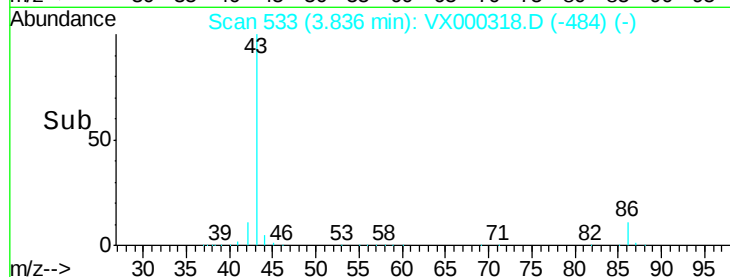
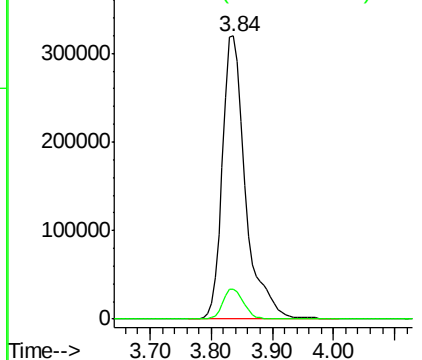
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 62.70 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

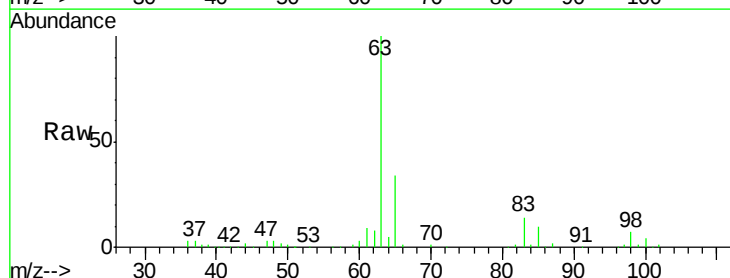
Tgt Ion: 63 Resp: 119057

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

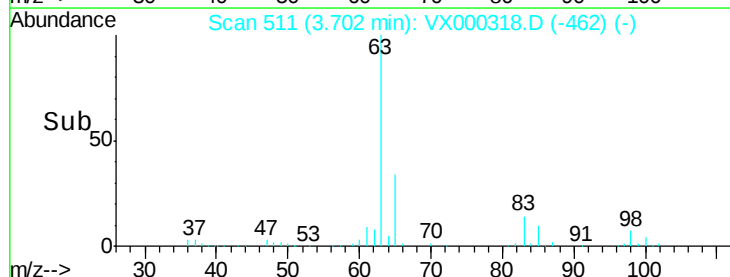
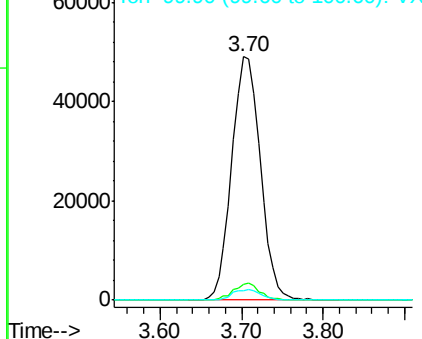
100 3.9 2.0 5.8

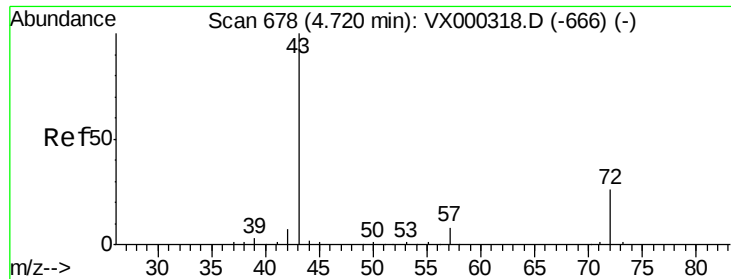


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 248.98 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 327130

Ion Ratio Lower Upper

43 100

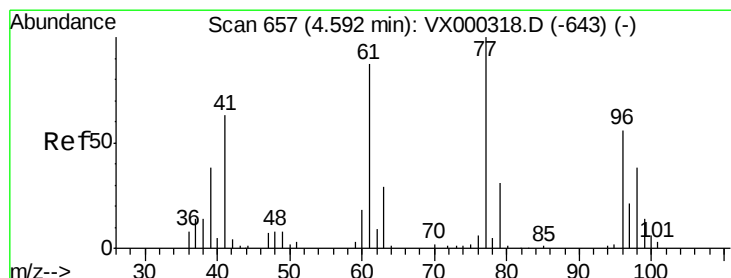
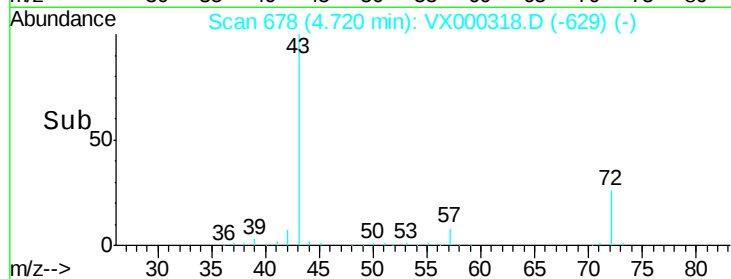
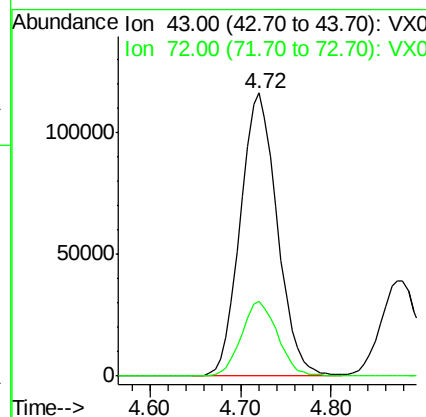
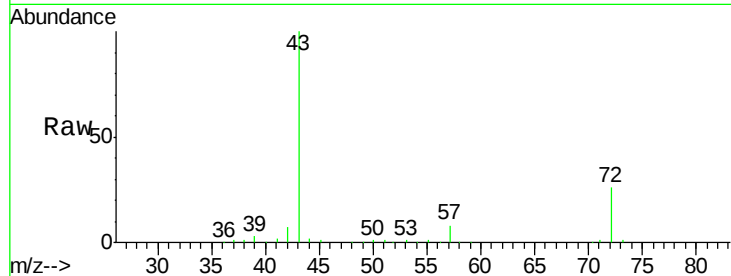
72 26.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.47 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000318.D

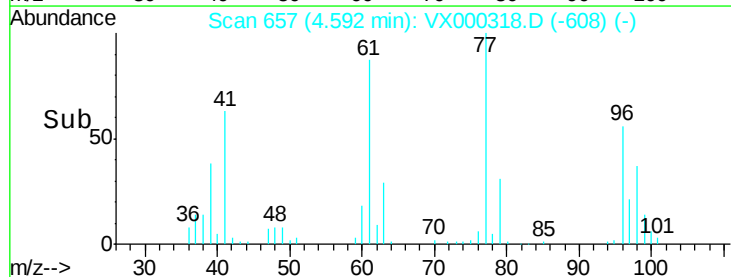
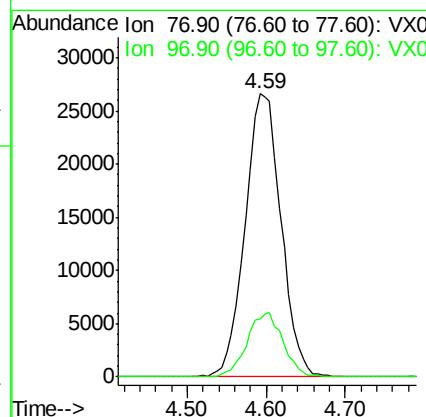
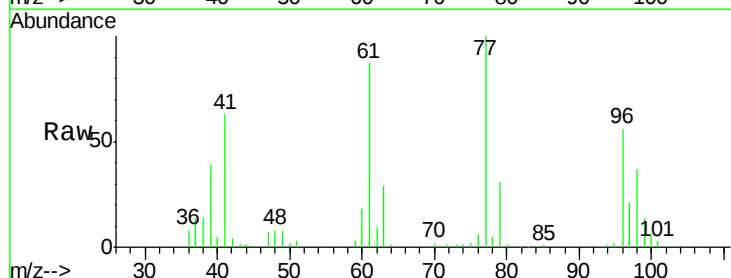
Acq: 14 Mar 2018 17:16

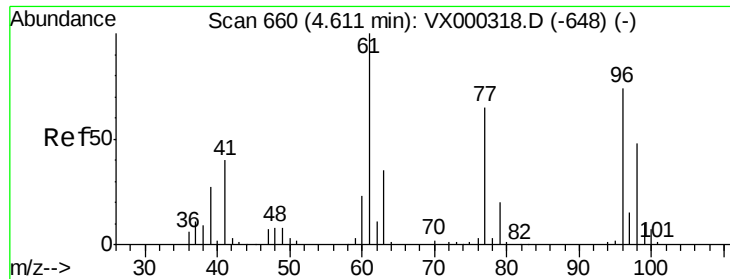
Tgt Ion: 77 Resp: 84475

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.8





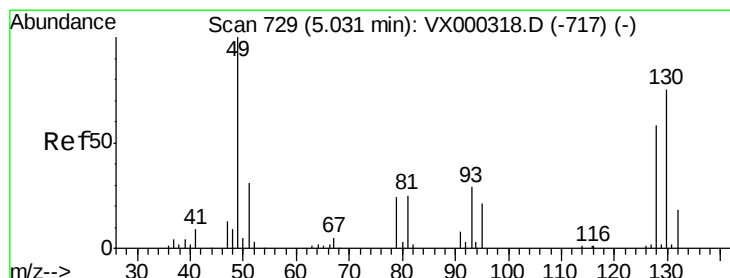
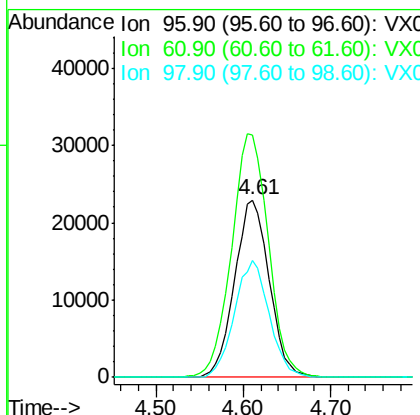
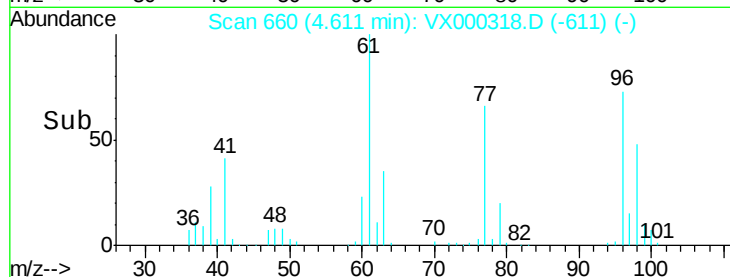
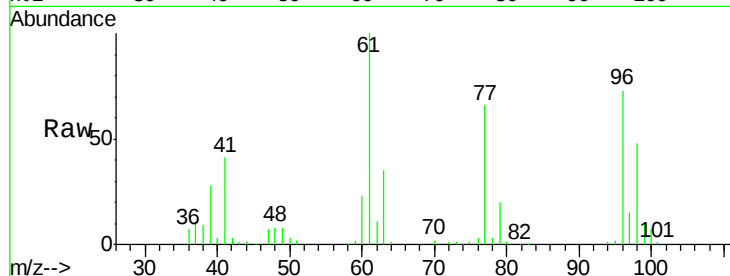
#27
 cis-1,2-Dichloroethene
 Concen: 53.38 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	291.6
98	66.0	0.0	132.0

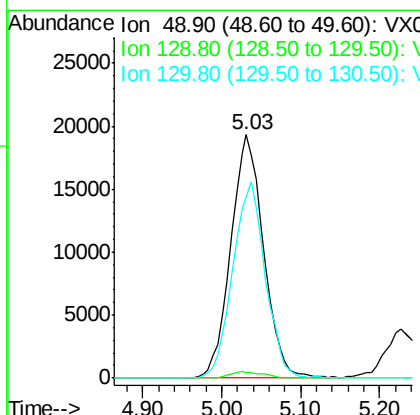
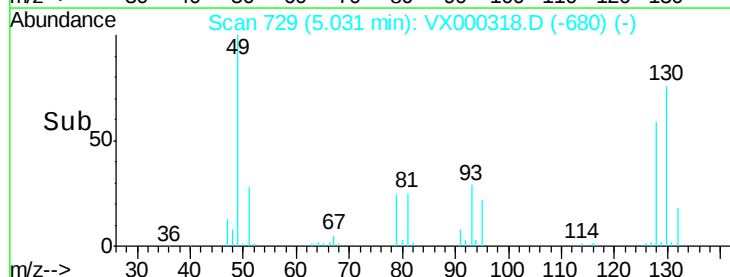
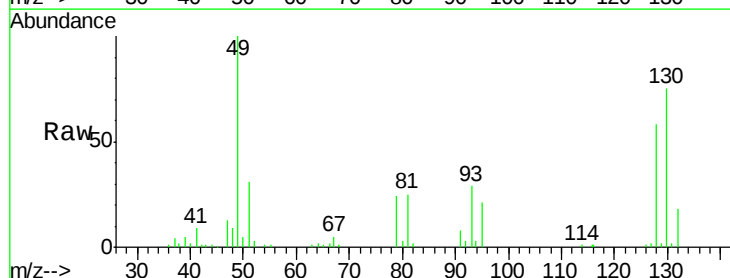
Manual Integrations
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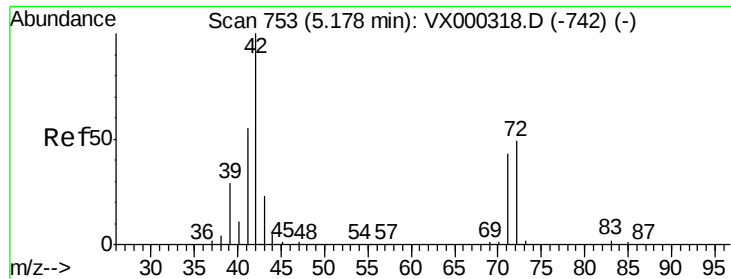
sam
 3/15/2018 3:37:04 PM



#28
 Bromochloromethane
 Concen: 62.28 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	80.0	64.0	96.0





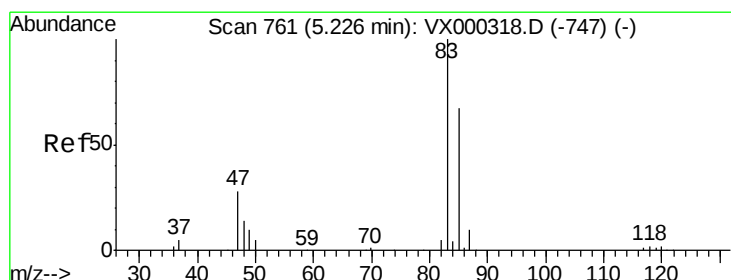
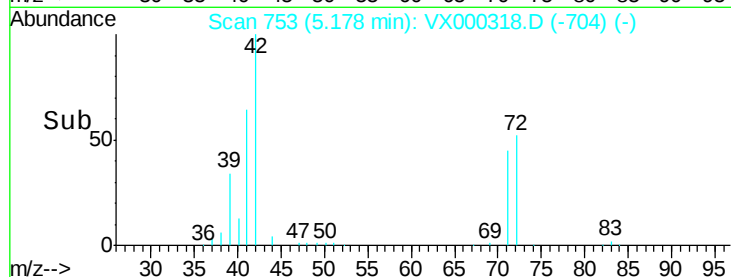
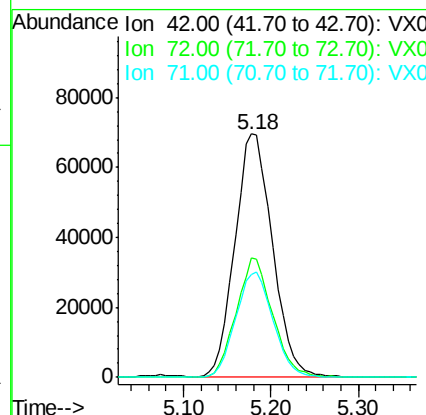
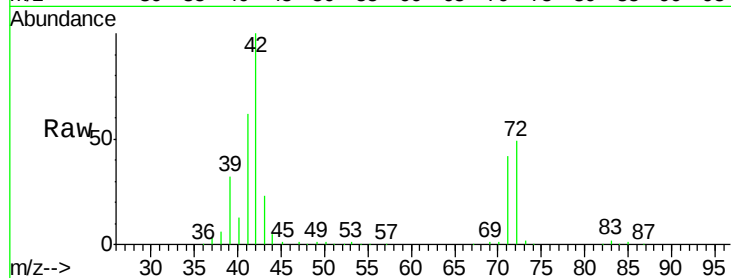
#29
Tetrahydrofuran
Concen: 257.54 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.9	56.9
71	43.0	34.4	51.6

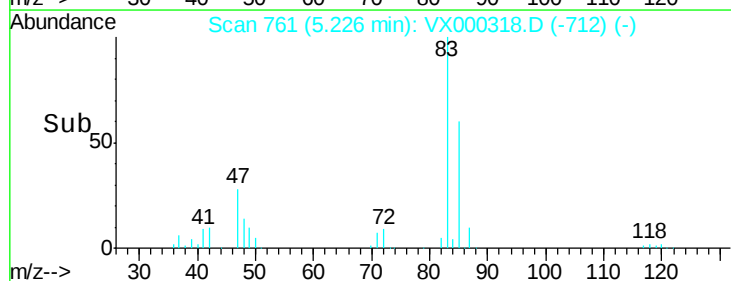
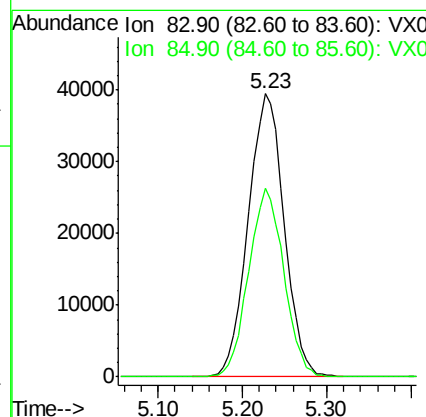
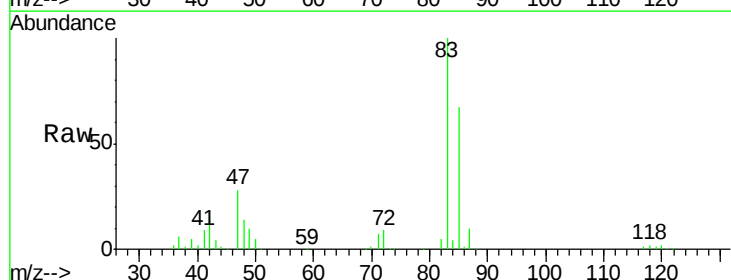
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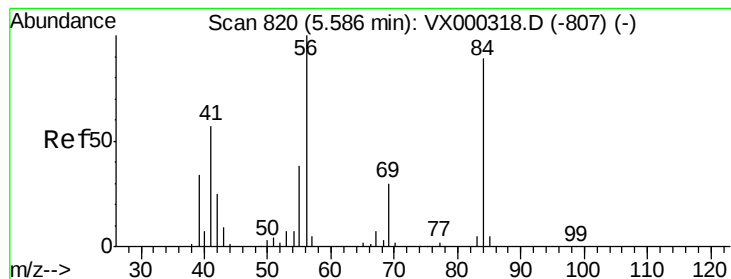
sam
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#30
Chloroform
Concen: 57.31 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.3	79.9





#31

Cyclohexane

Concen: 53.08 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

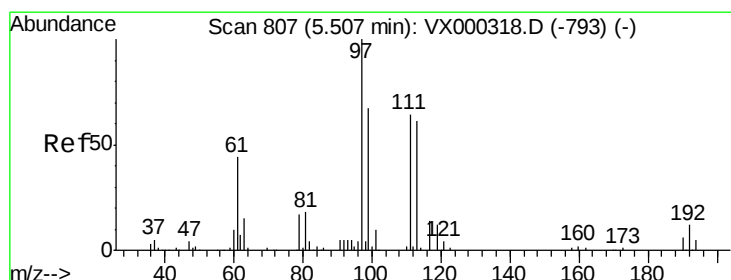
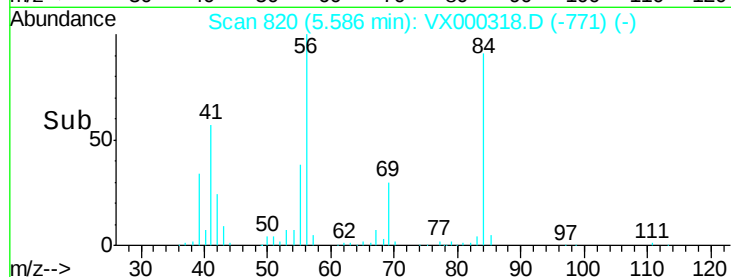
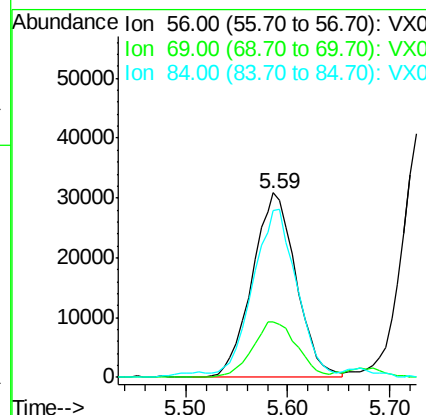
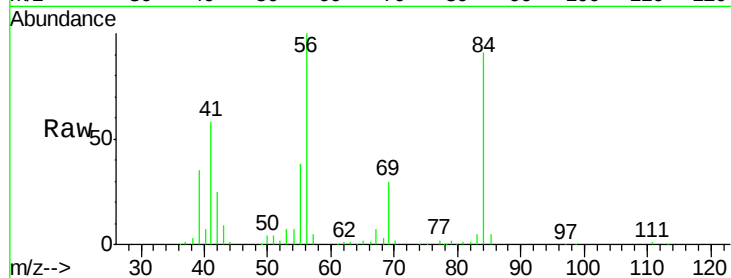
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	92044
Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.4	35.0
84	88.7	71.0	106.4

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#32

1,1,1-Trichloroethane

Concen: 55.40 ug/l

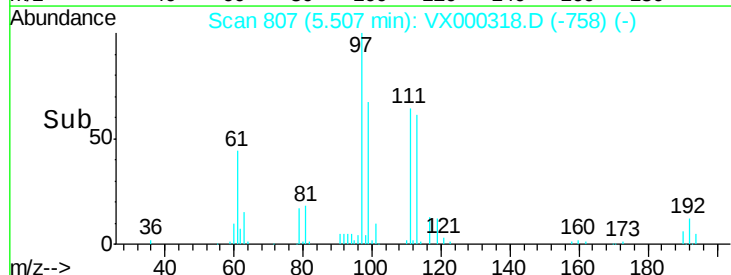
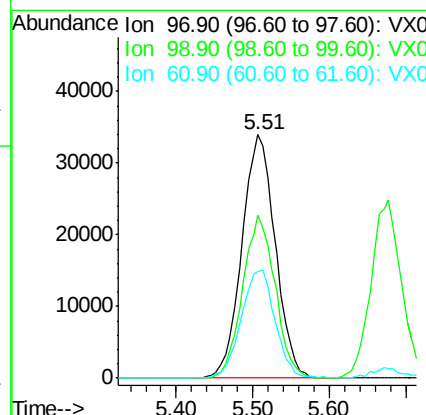
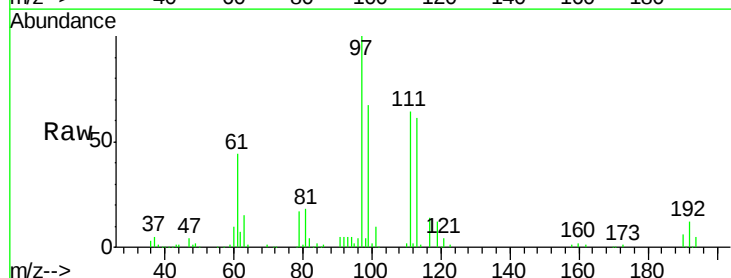
RT: 5.51 min Scan# 807

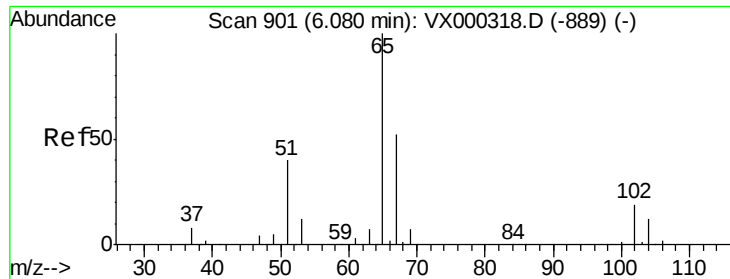
Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	97	Resp:	102628
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	45.3	36.2	54.4





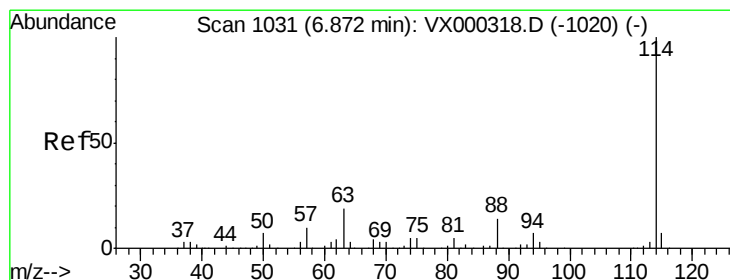
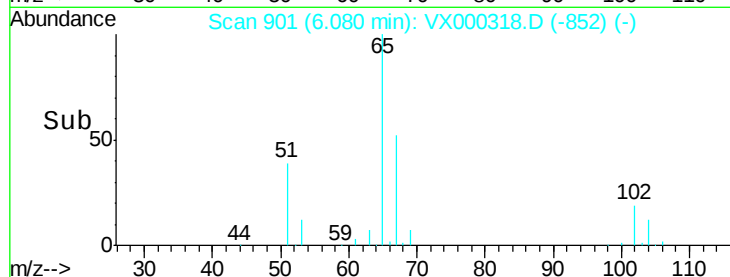
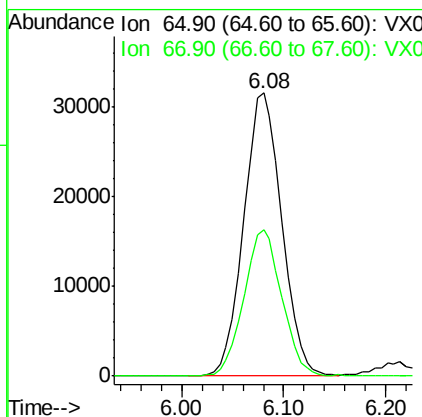
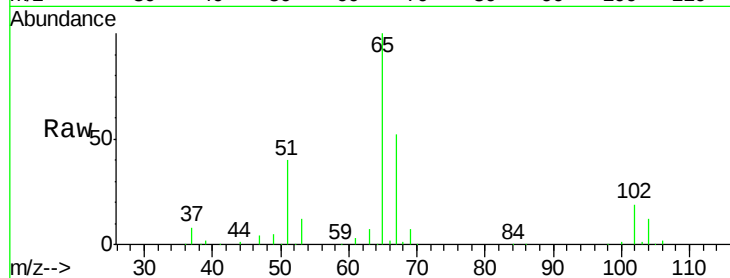
#33
 1,2-Dichloroethane-d4
 Concen: 62.60 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	81846		
67	51.6	0.0	103.2	

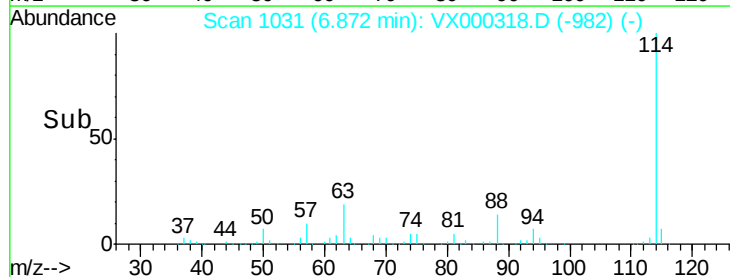
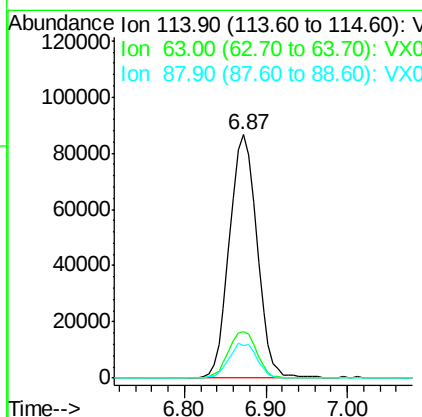
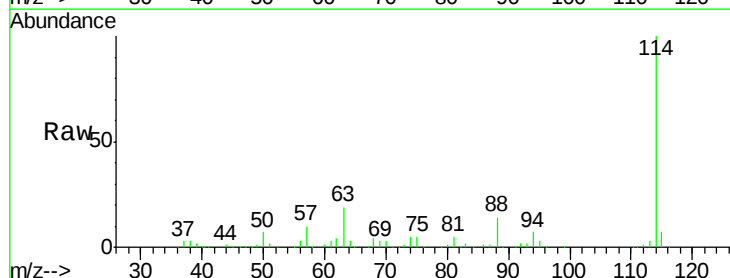
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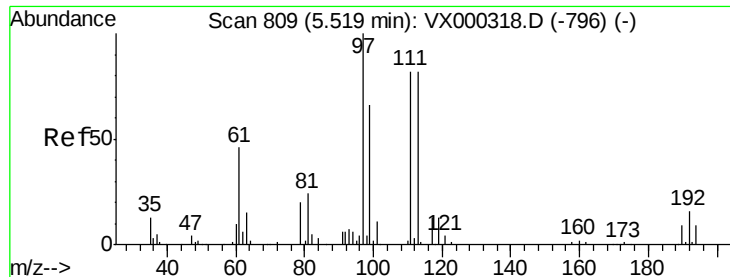
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	203396		
63	19.2	0.0	38.4	
88	13.5	0.0	27.0	





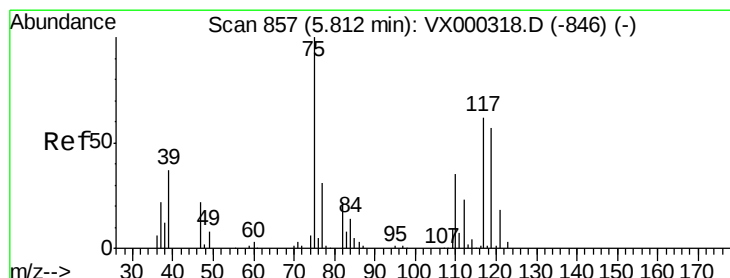
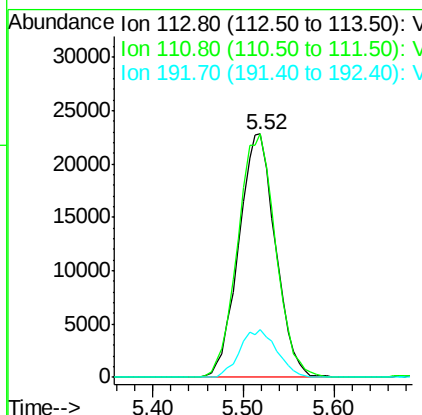
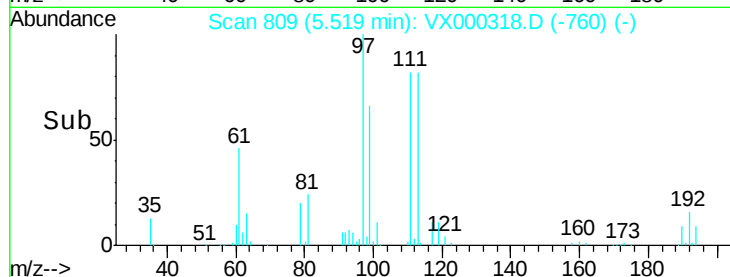
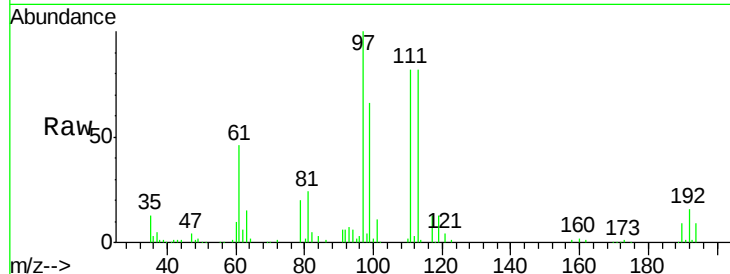
#35
 Dibromofluoromethane
 Concen: 49.65 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	19.7	15.8	23.6

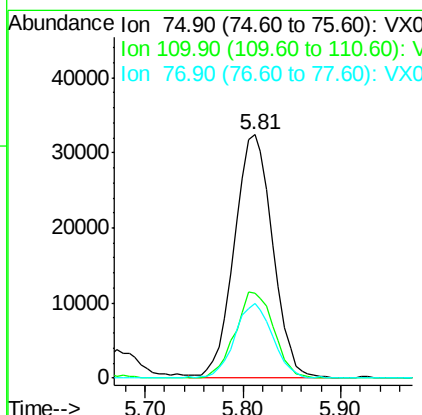
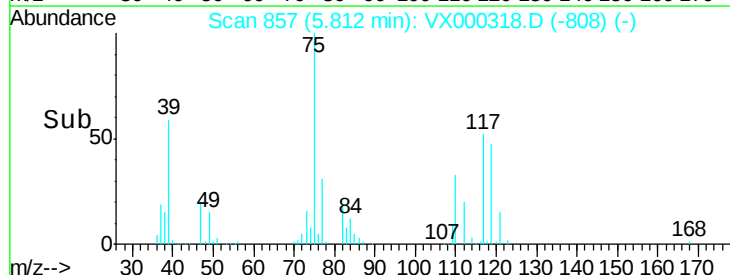
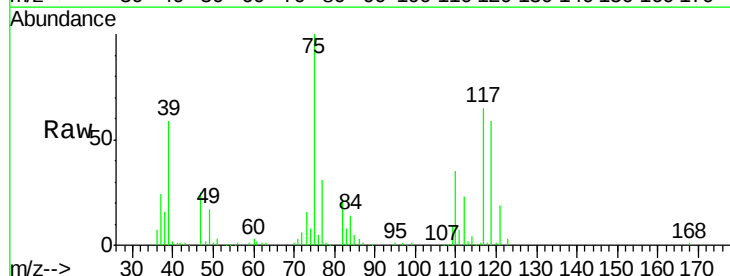
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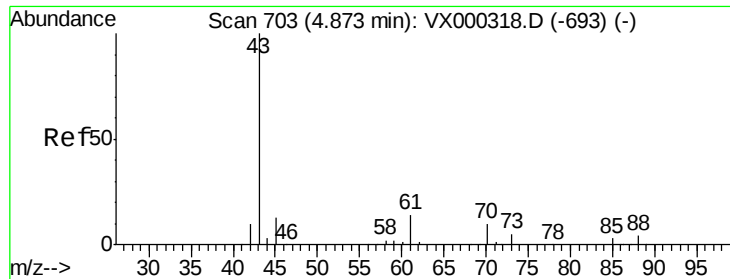
sam
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#36
 1,1-Dichloropropene
 Concen: 48.67 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	30.0	24.0	36.0





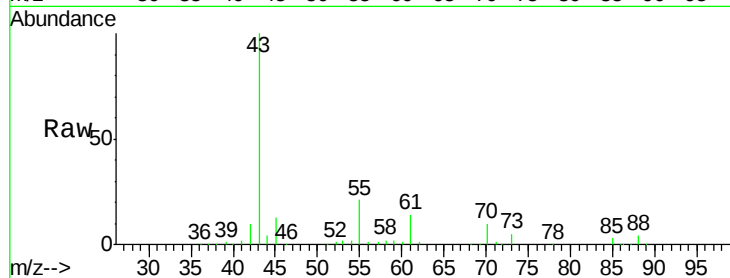
#37
Ethyl Acetate
Concen: 45.81 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

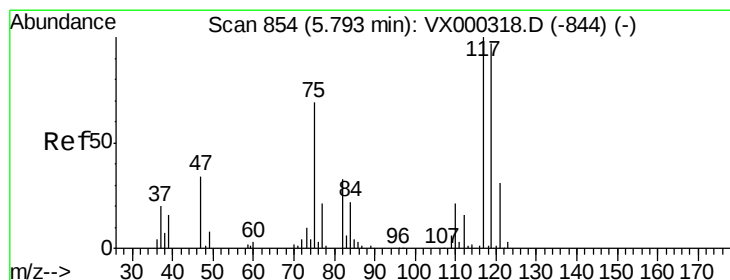
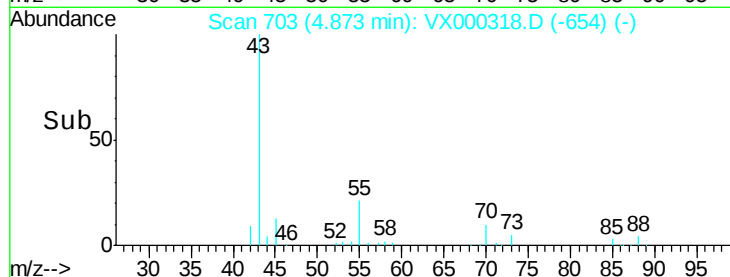
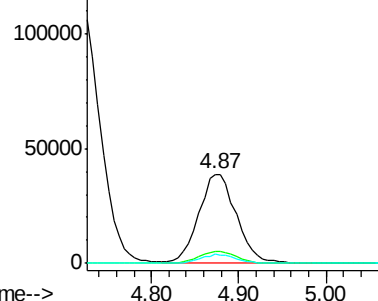
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.6	7.7	11.5

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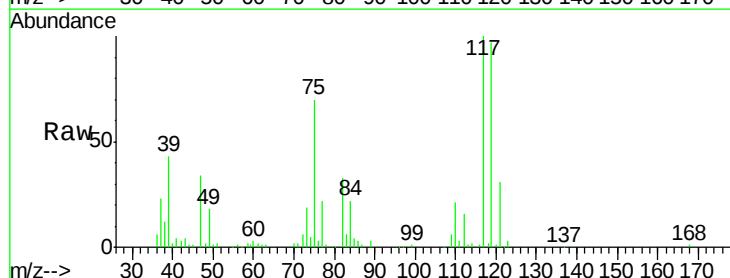


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

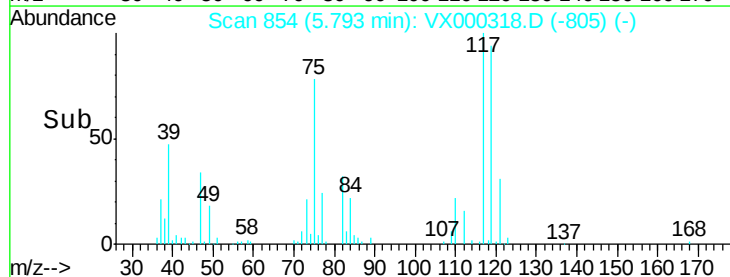
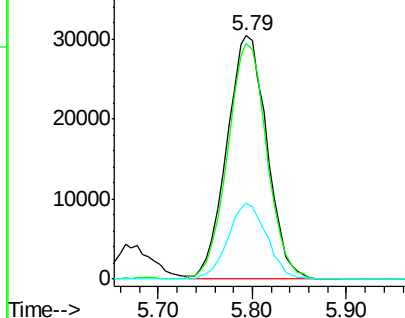


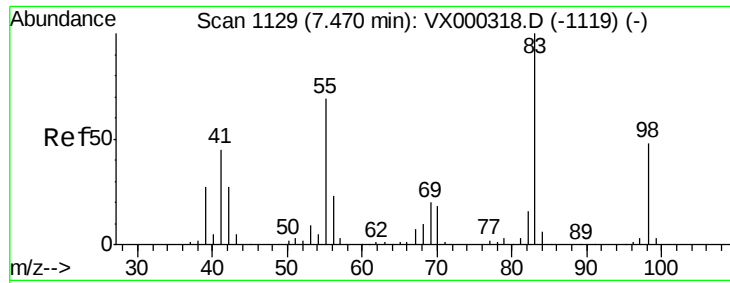
#38
Carbon Tetrachloride
Concen: 45.89 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.2
121	31.0	24.8	37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





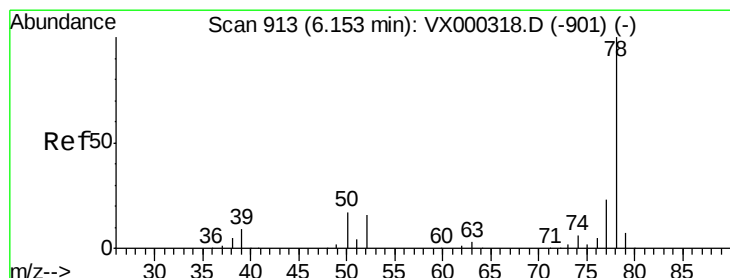
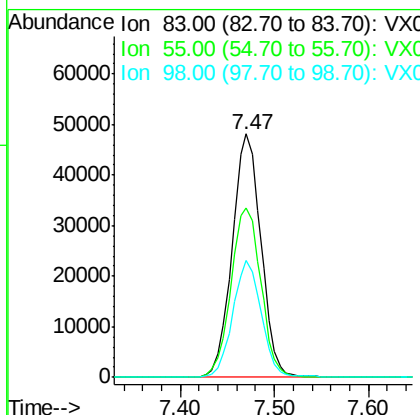
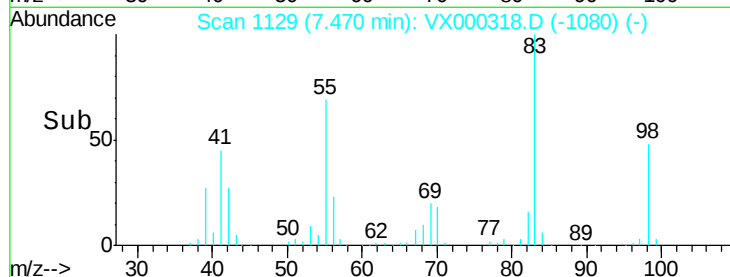
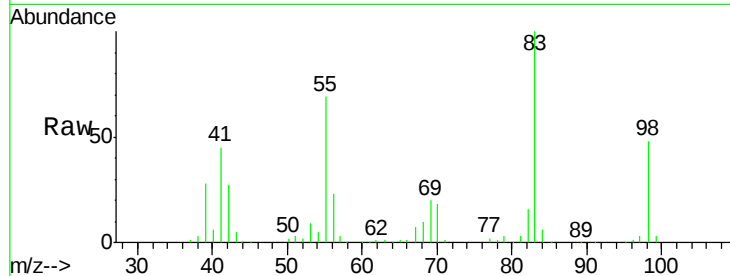
#39
Methvlcvclohexane
Concen: 45.22 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	55.5	83.3
98	47.8	38.2	57.4

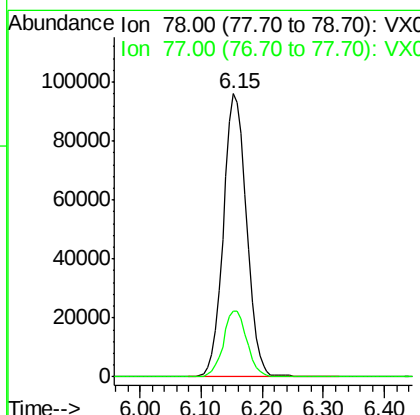
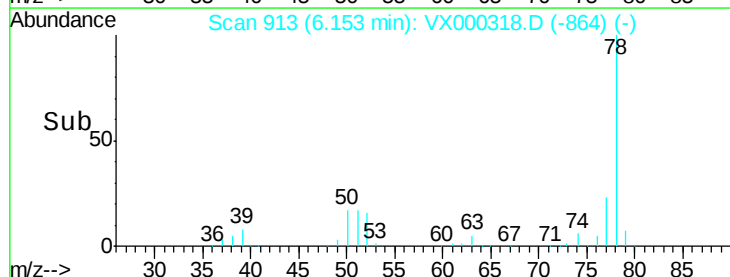
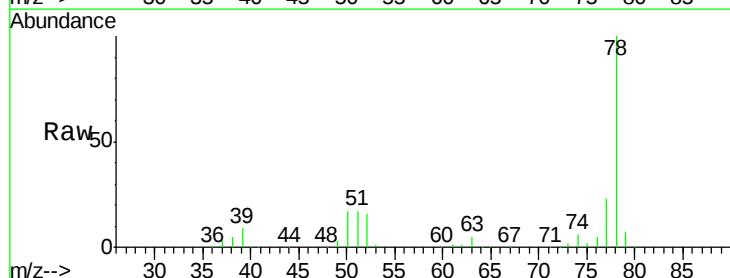
Manual Integrations
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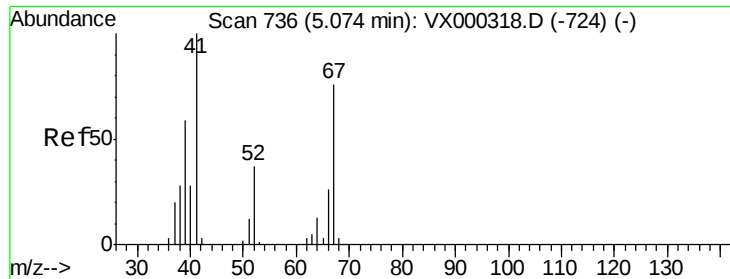
sam
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#40
Benzene
Concen: 49.57 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





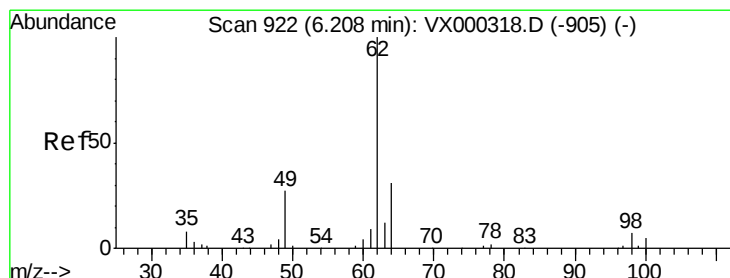
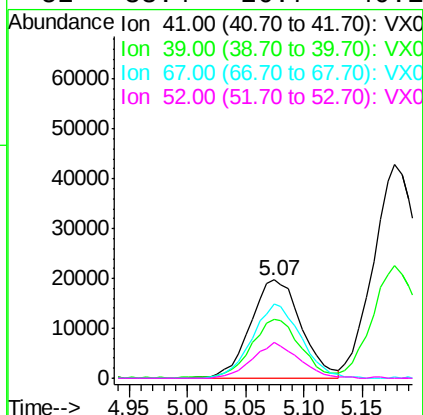
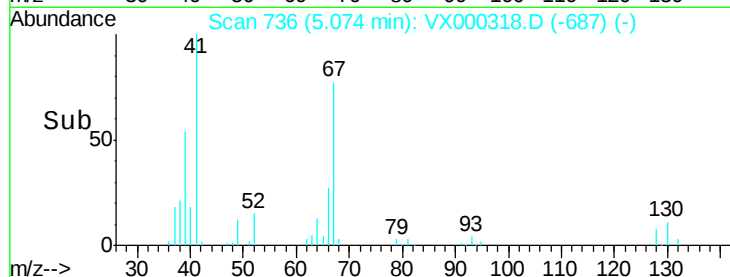
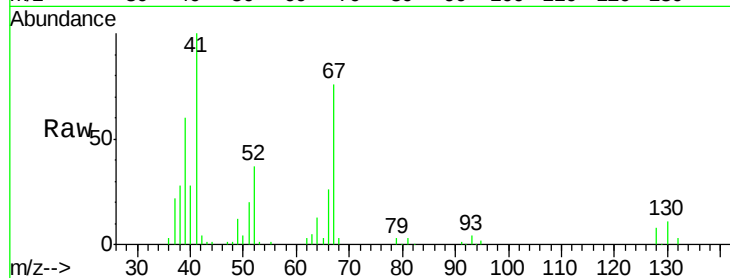
#41
Methacrylonitrile
Concen: 45.48 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	45.7	68.5	
67	72.3	57.8	86.8	
52	33.4	26.7	40.1	

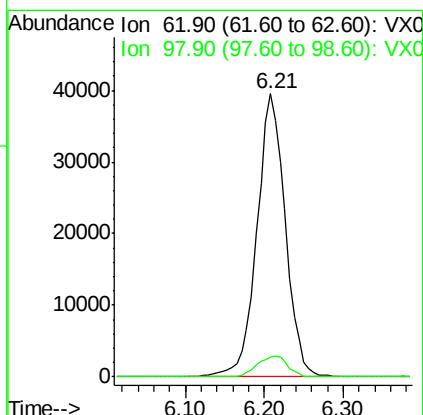
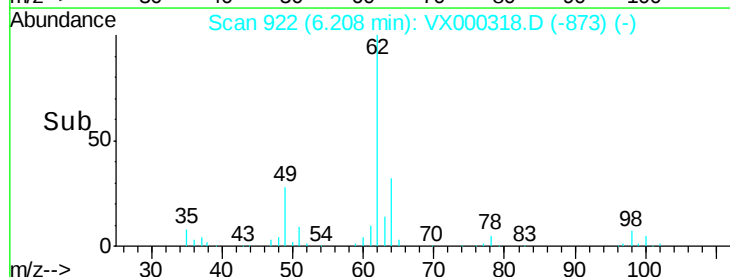
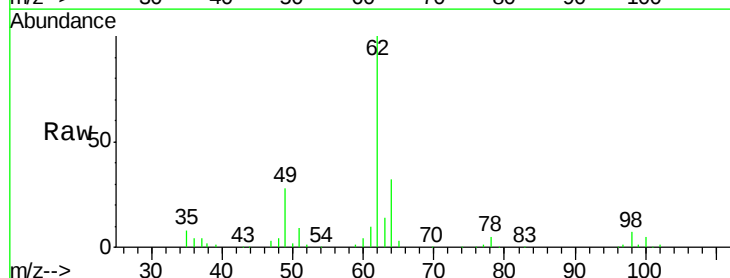
Manual Integrations
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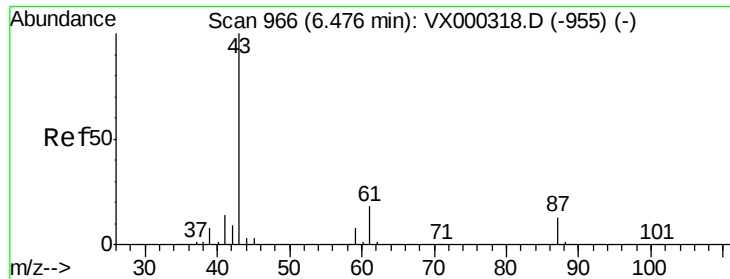
sam
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#42
1,2-Dichloroethane
Concen: 53.33 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.8	





#43

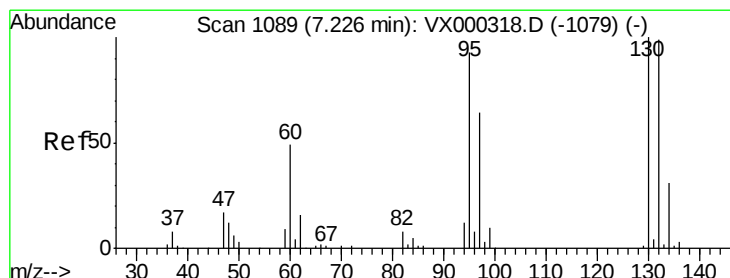
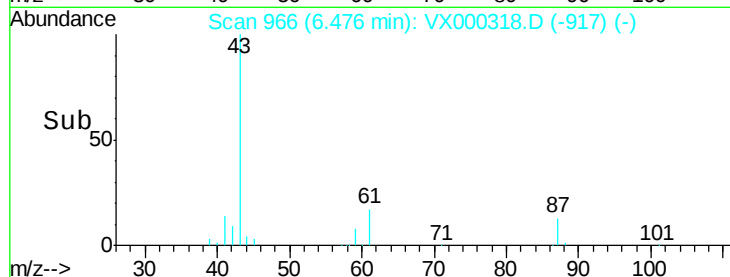
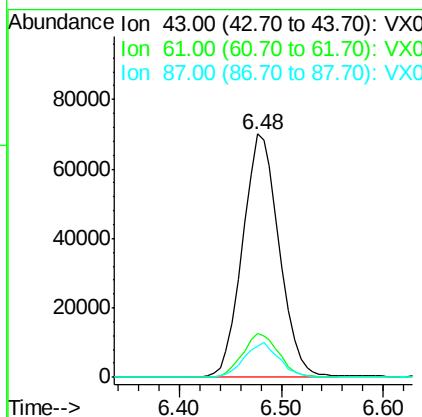
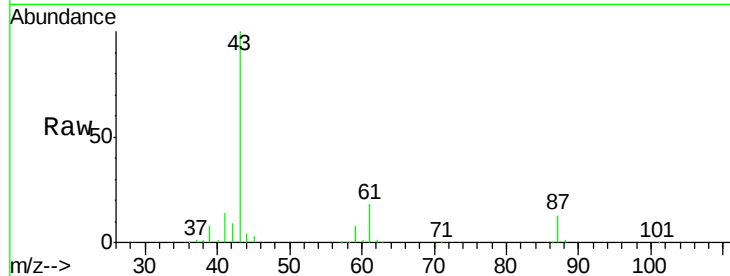
Isopropyl Acetate
 Concen: 46.67 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	13.7	11.0	16.4

Manual Integrations
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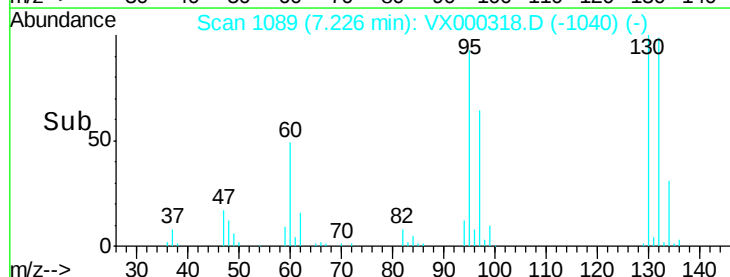
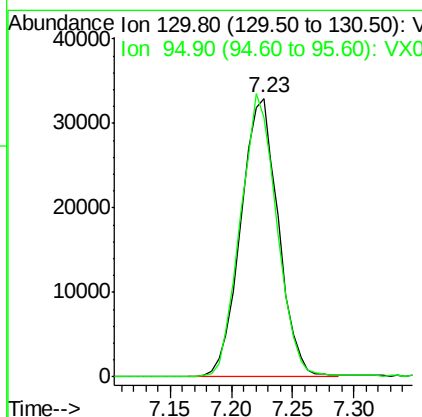
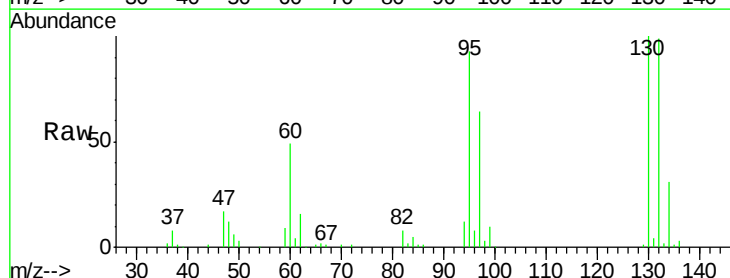
sam
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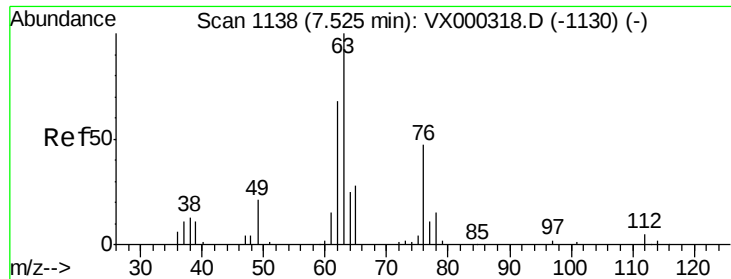


#44

Trichloroethene
 Concen: 43.55 ug/l
 RT: 7.23 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	186.0





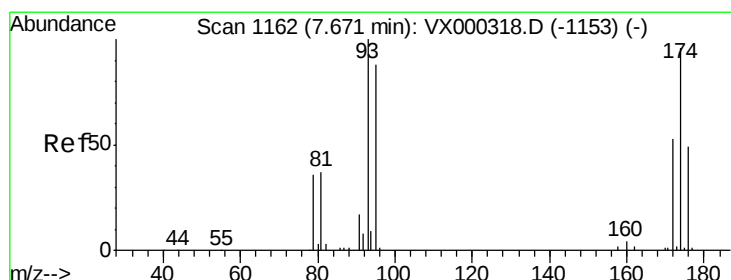
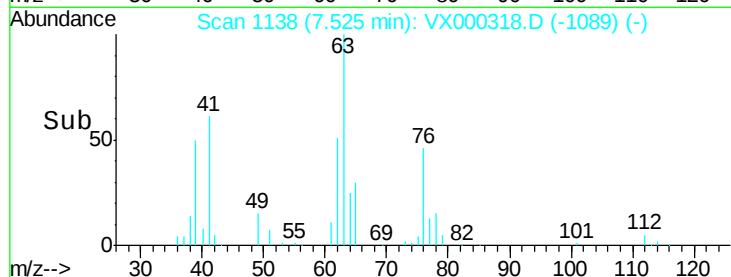
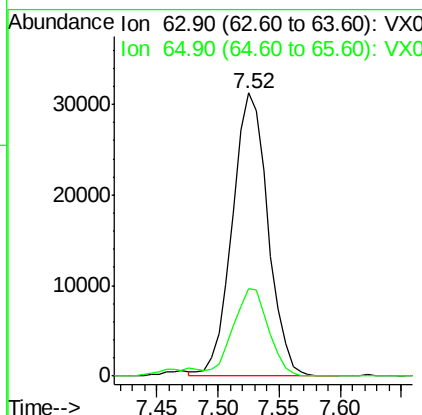
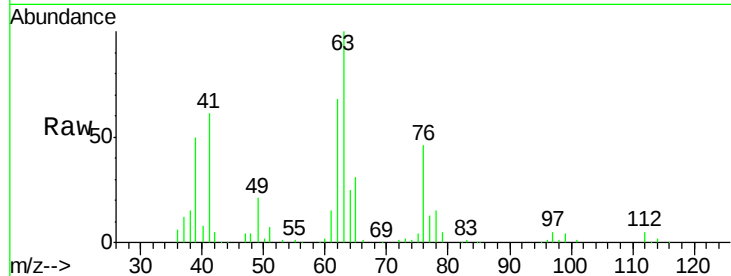
#45
 1,2-Dichloropropane
 Concen: 48.06 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 63258
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

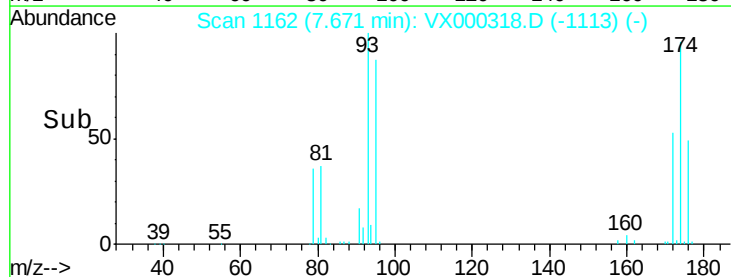
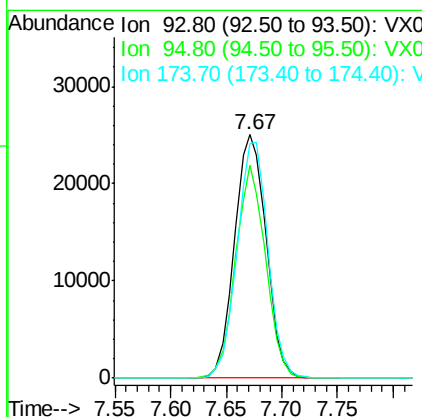
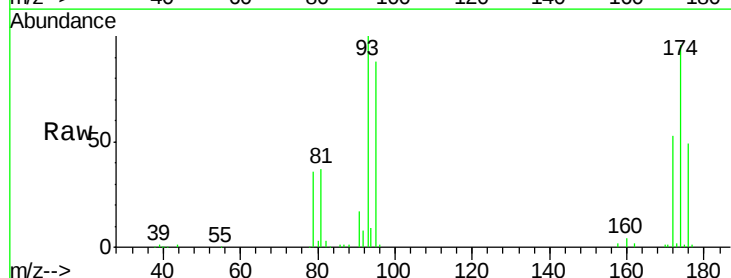
Manual Integrations
 APPROVED

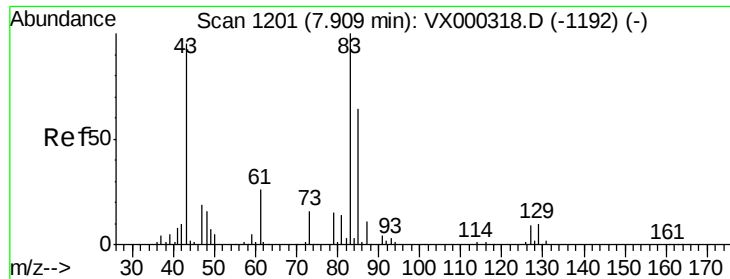
sam
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#46
 Dibromomethane
 Concen: 50.09 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion: 93 Resp: 49173
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 95.0 76.0 114.0





#47

Bromodichloromethane

Concen: 48.84 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

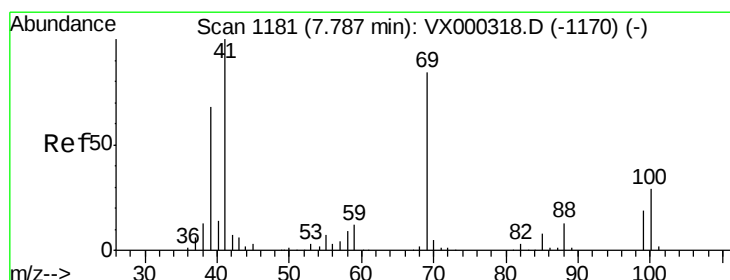
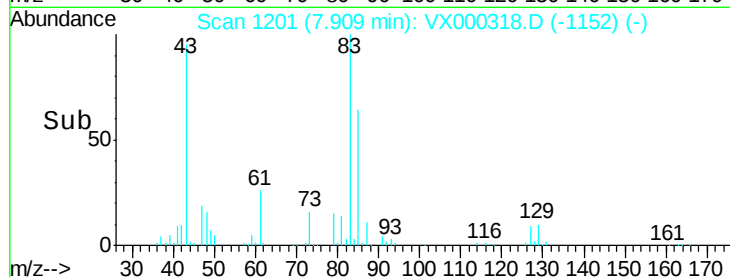
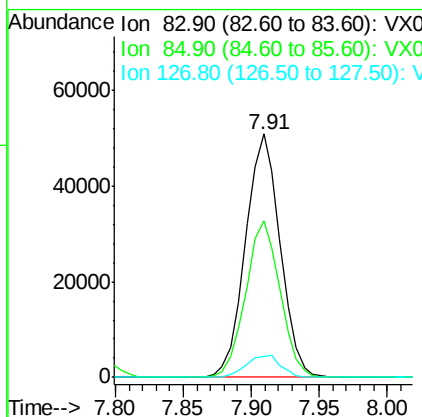
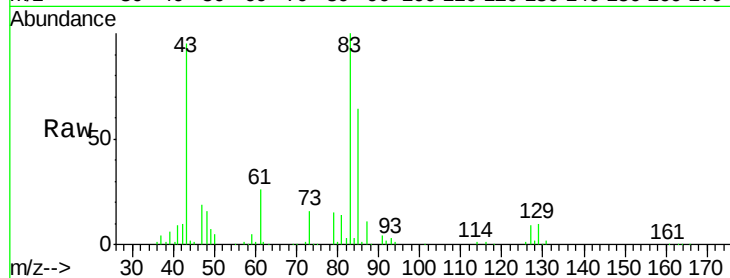
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	90764
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.54 ug/l

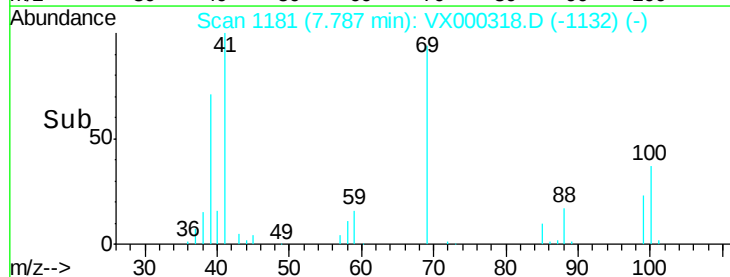
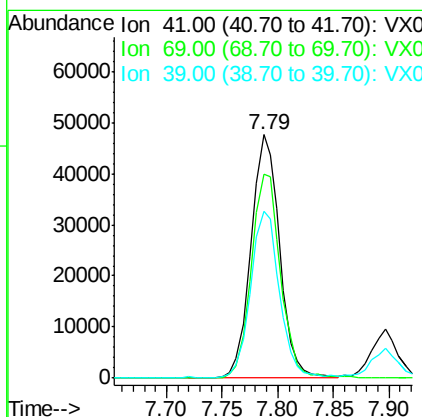
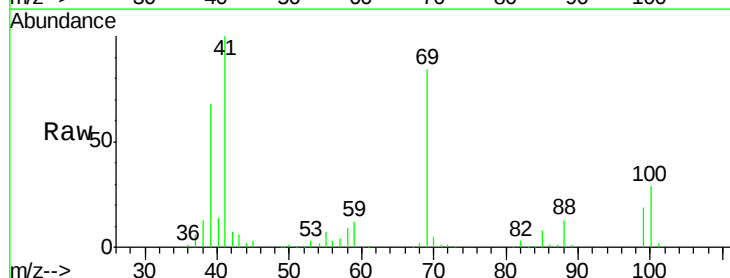
RT: 7.79 min Scan# 1181

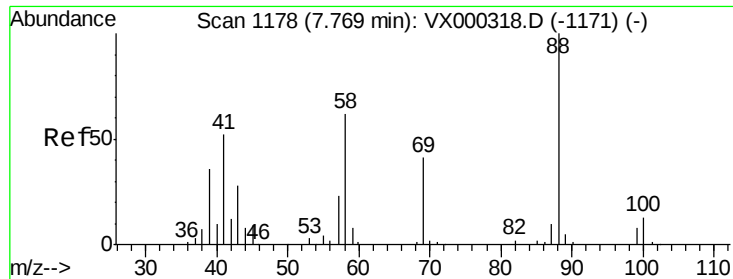
Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	41	Resp:	85903
Ion	Ratio	Lower	Upper
41	100		
69	85.3	68.2	102.4
39	68.2	54.6	81.8





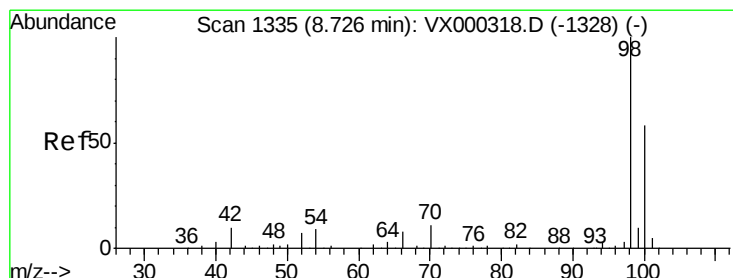
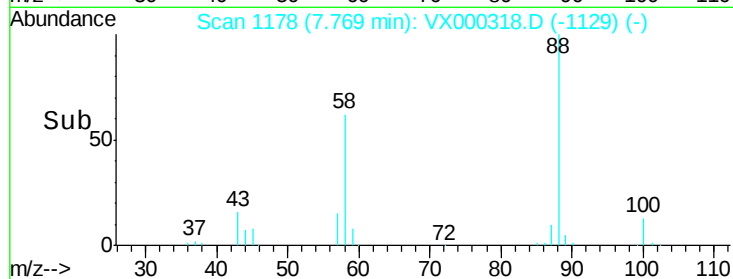
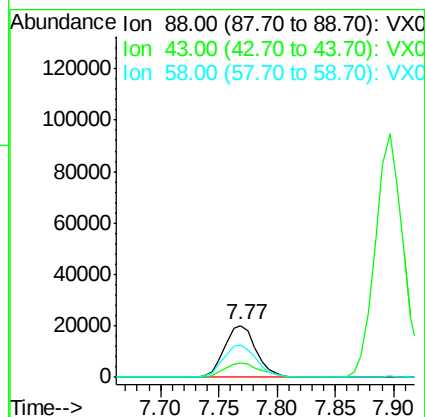
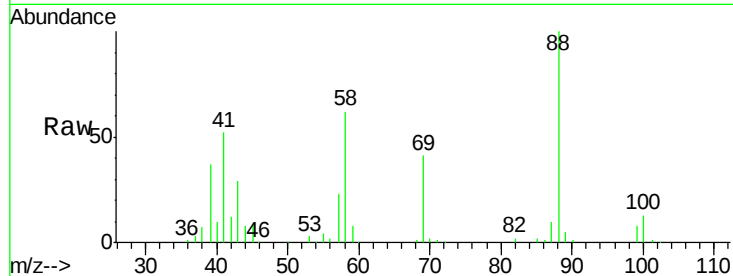
#49
1,4-Dioxane
Concen: 818.45 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.8	40.2
58	65.2	52.2	78.2

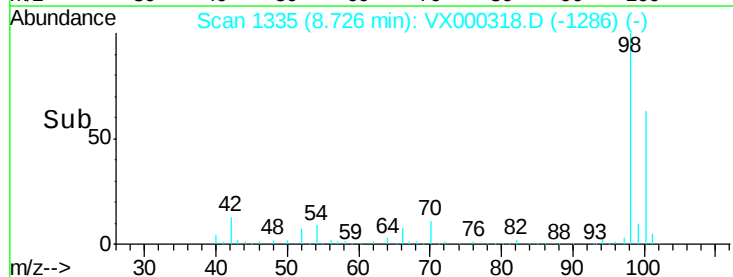
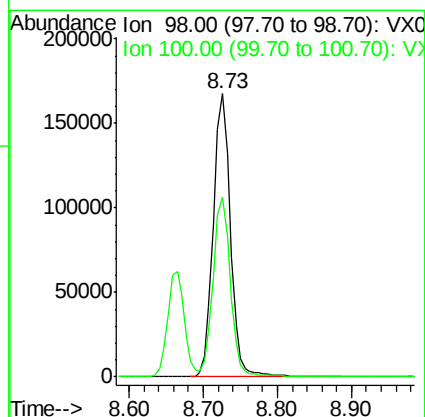
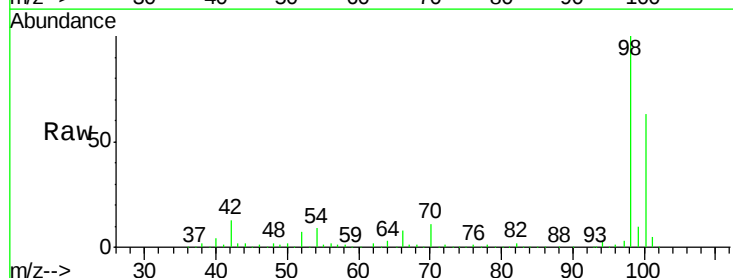
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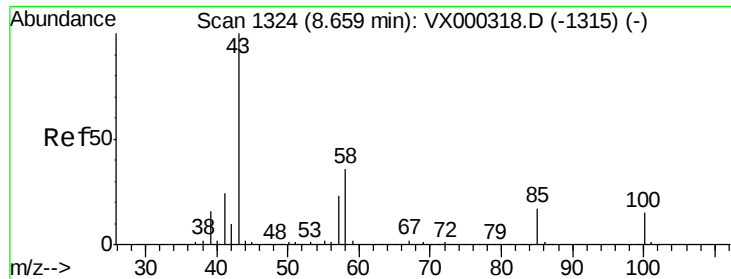
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#50
Toluene-d8
Concen: 53.79 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 251.95 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 666762

Ion Ratio Lower Upper

43 100

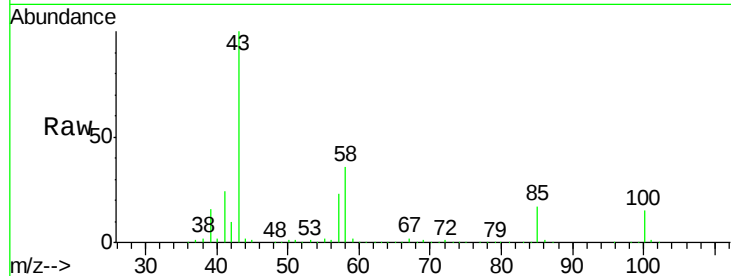
58 37.9 30.3 45.5

Manual Integrations

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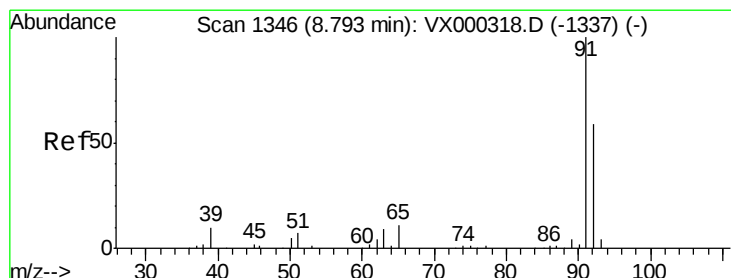
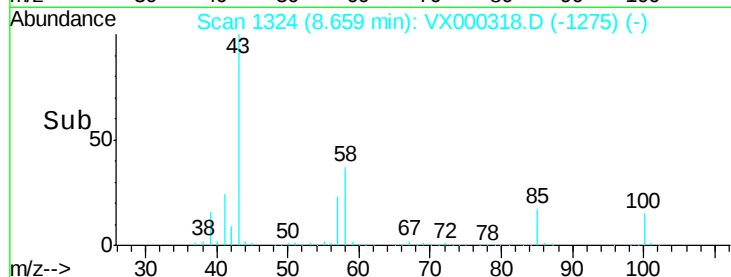
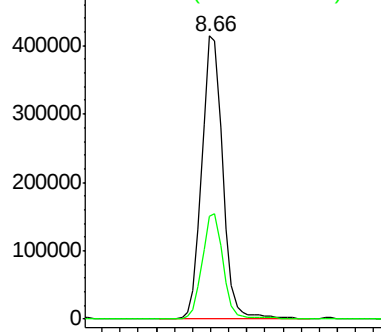
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.24 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000318.D

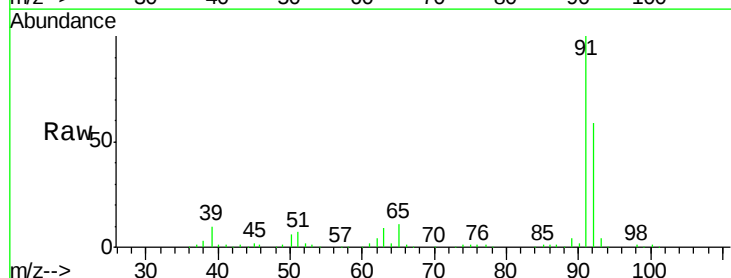
Acq: 14 Mar 2018 17:16

Tgt Ion: 92 Resp: 175405

Ion Ratio Lower Upper

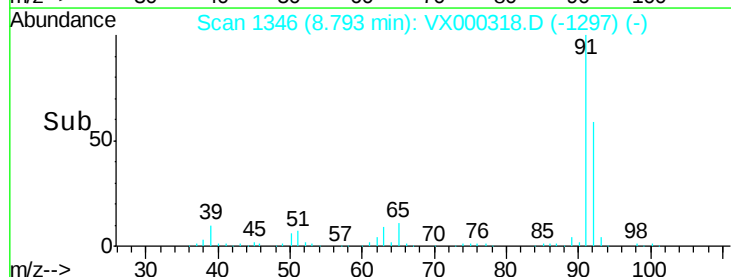
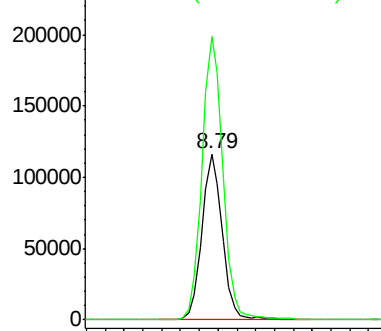
92 100

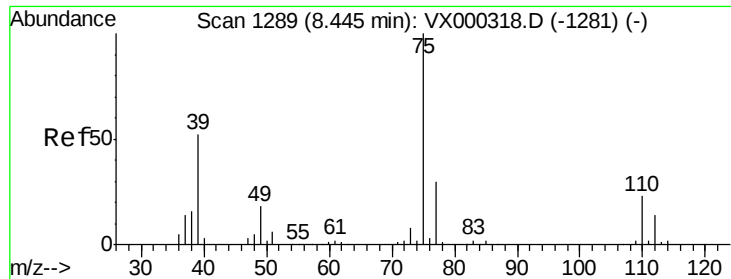
91 175.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





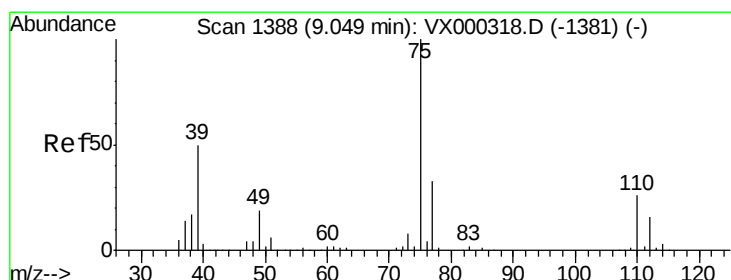
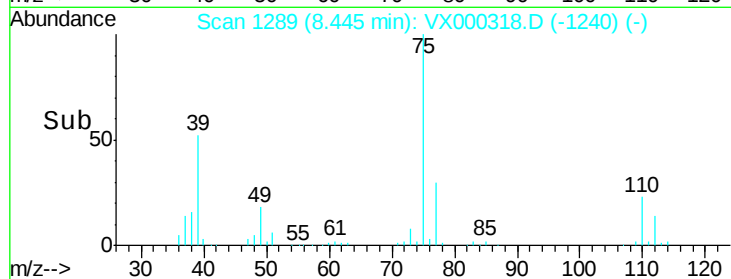
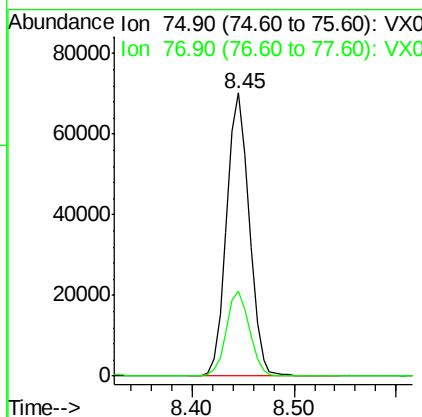
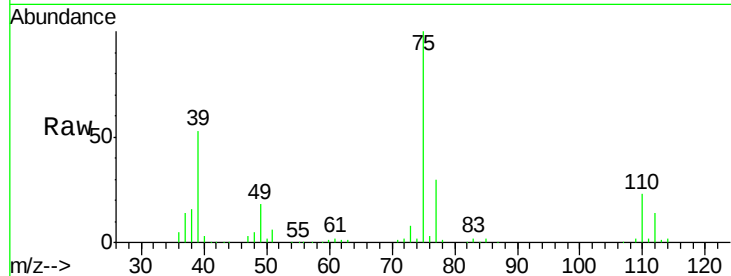
#53
t-1,3-Dichloropropene
Concen: 48.55 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.0	36.0

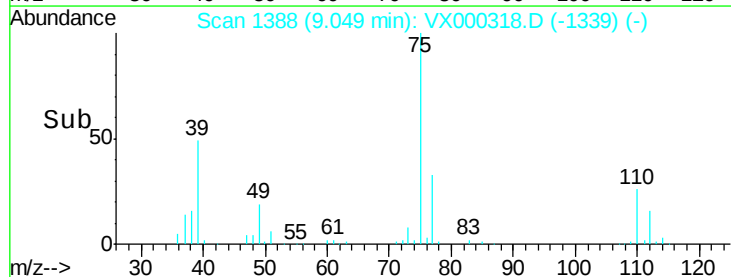
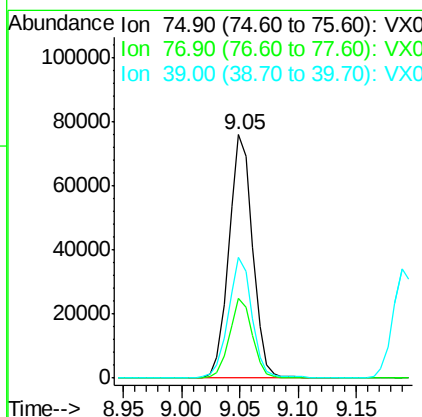
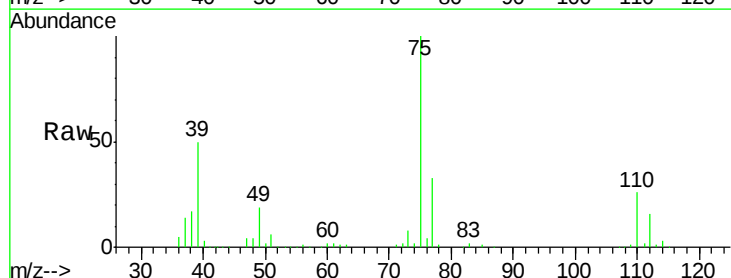
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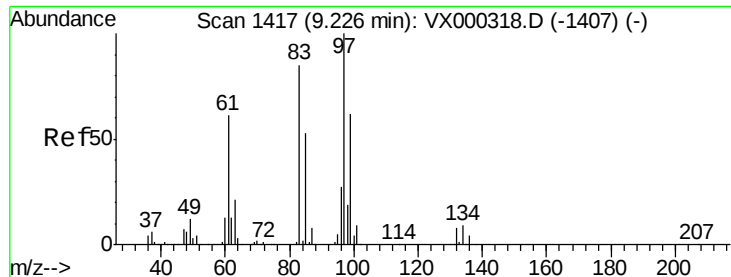
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#54
cis-1,3-Dichloropropene
Concen: 49.68 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.1	39.1
39	49.7	39.8	59.6





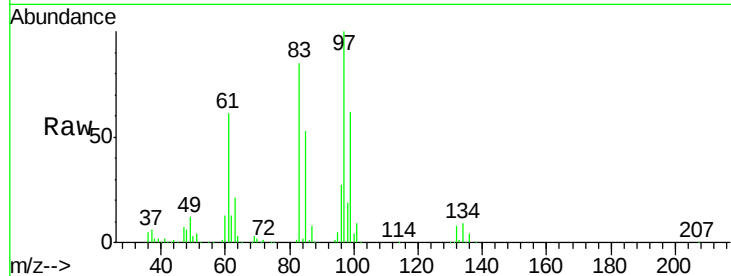
#55
 1,1,2-Trichloroethane
 Concen: 50.40 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

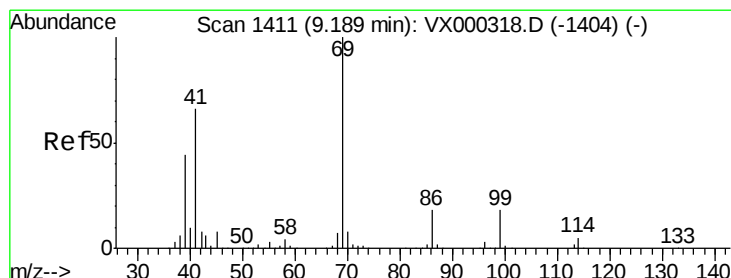
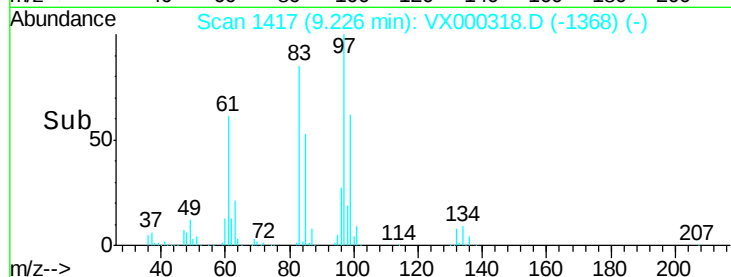
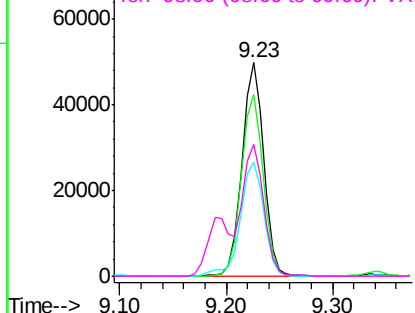
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.9	101.9
85	53.5	42.8	64.2
99	61.8	49.4	74.2

Manual Integrations
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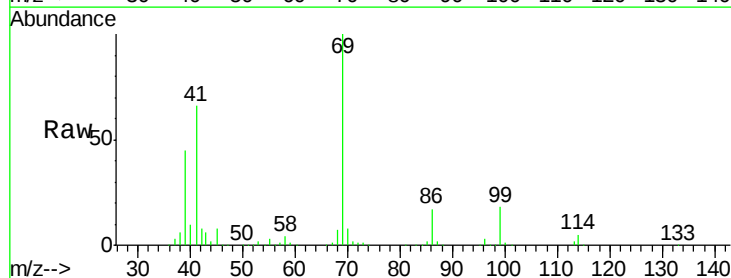


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

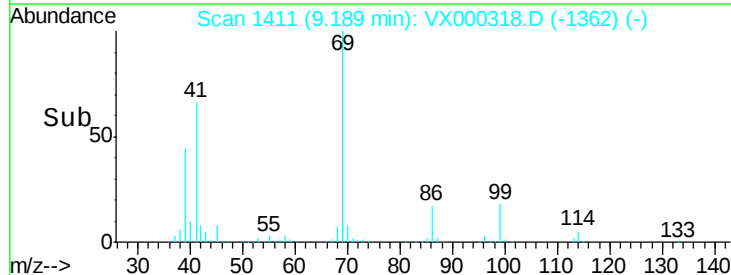
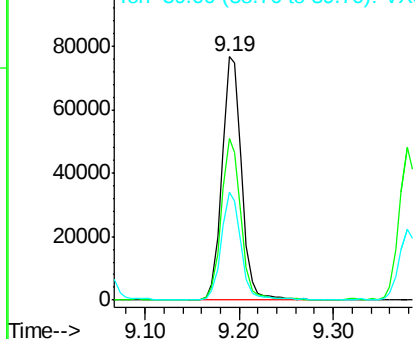


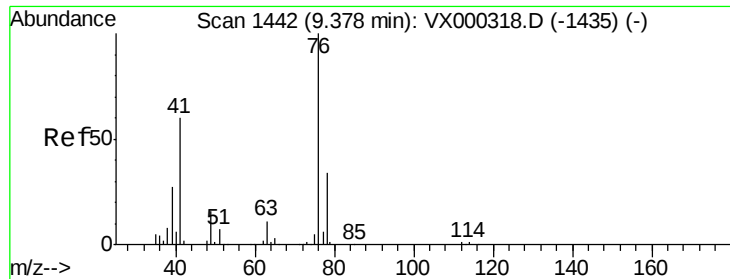
#56
 Ethyl methacrylate
 Concen: 48.63 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.0	79.6
39	44.1	35.3	52.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





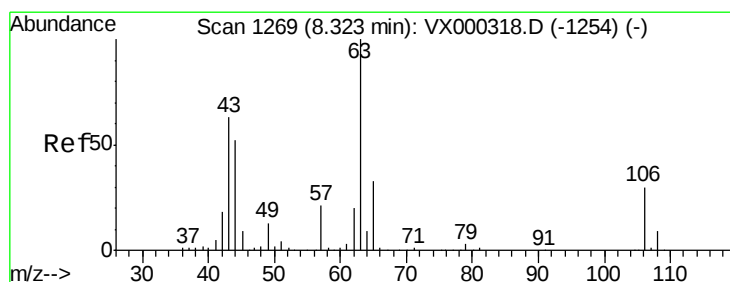
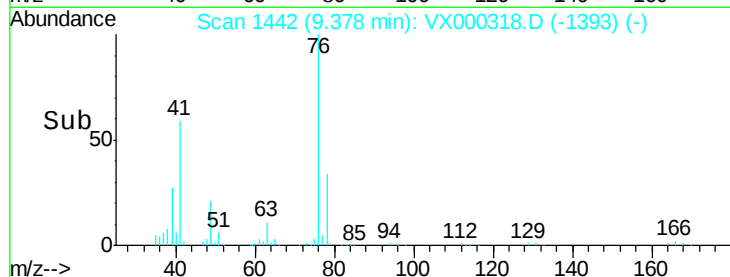
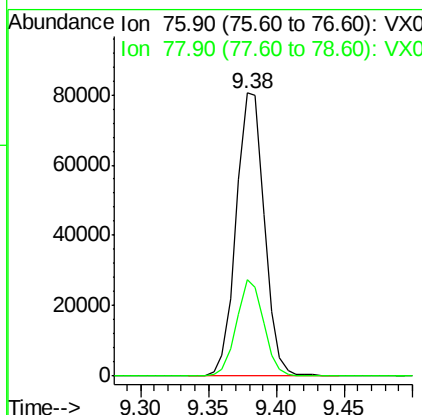
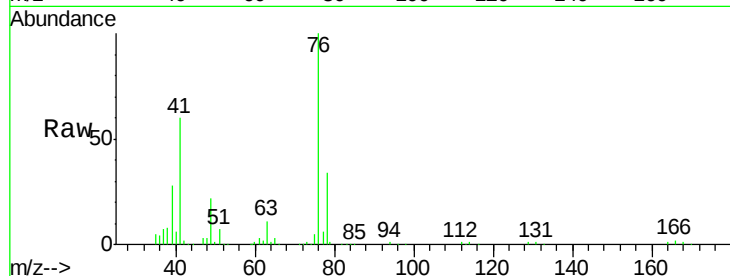
#57
 1,3-Dichloropropane
 Concen: 51.70 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.4	39.6

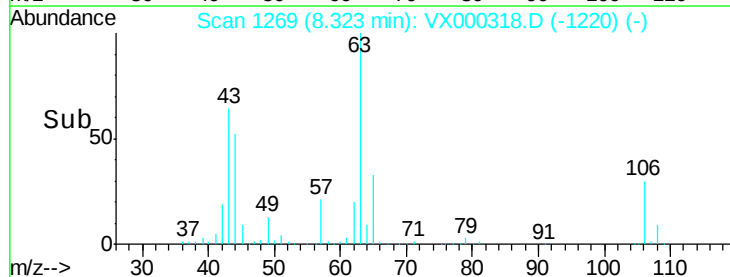
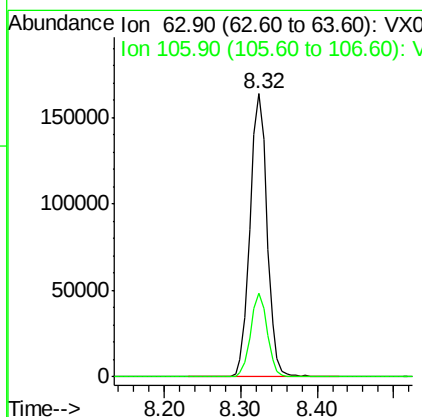
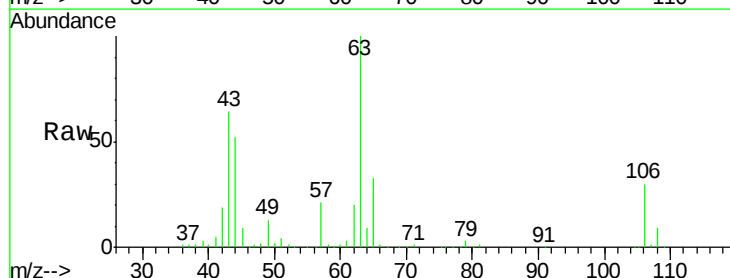
Manual Integrations
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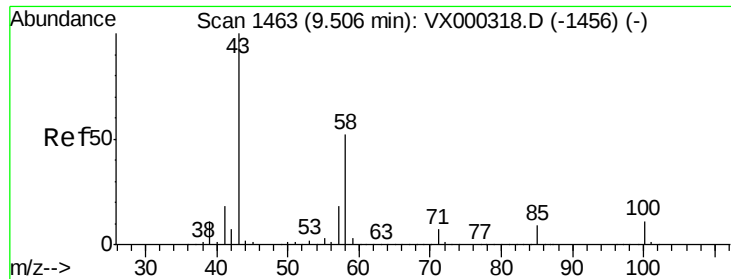
sam
 3/15/2018 3:37:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.67 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





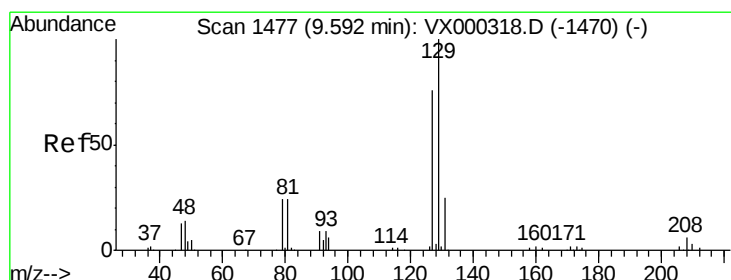
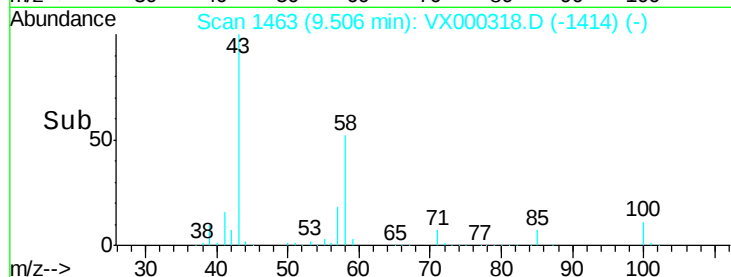
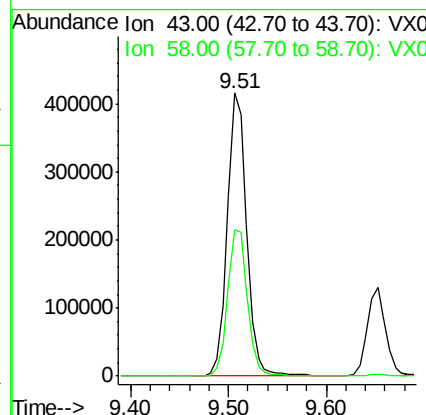
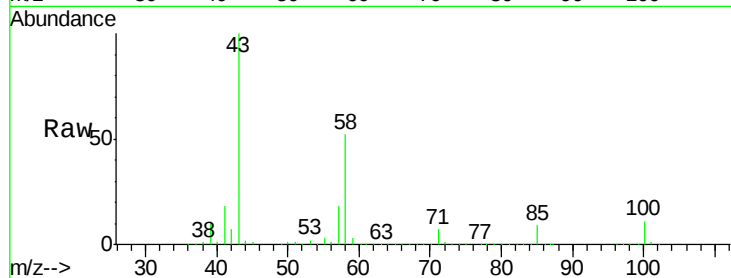
#59
2-Hexanone
Concen: 251.53 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 571881
Ion Ratio Lower Upper
43 100
58 53.1 26.6 79.7

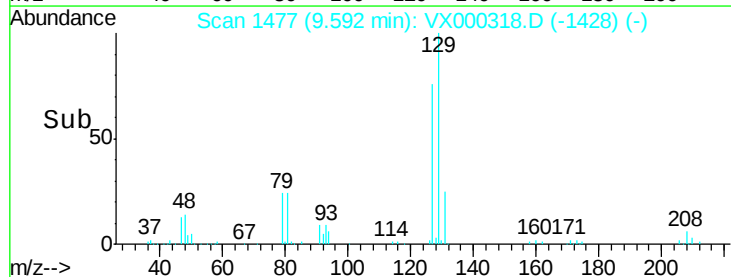
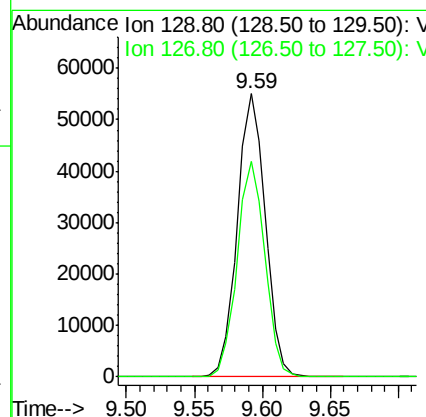
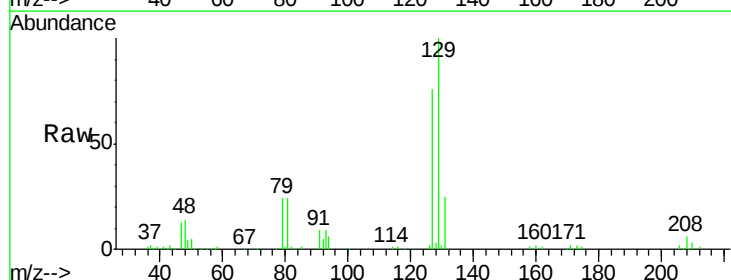
Manual Integrations
APPROVED

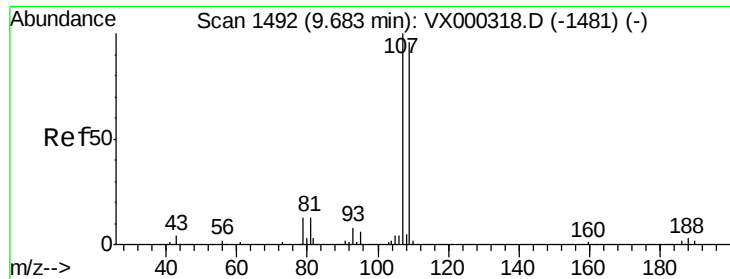
sam
3/15/2018 3:37:04 PM



#60
Dibromochloromethane
Concen: 47.51 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion: 129 Resp: 78909
Ion Ratio Lower Upper
129 100
127 75.7 37.9 113.6





#61

1,2-Dibromoethane

Concen: 51.62 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 80505

Ion Ratio Lower Upper

107 100

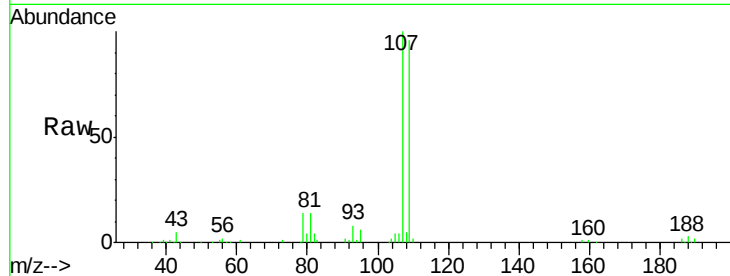
109 95.1 76.1 114.1

Manual Integrations

APPROVED

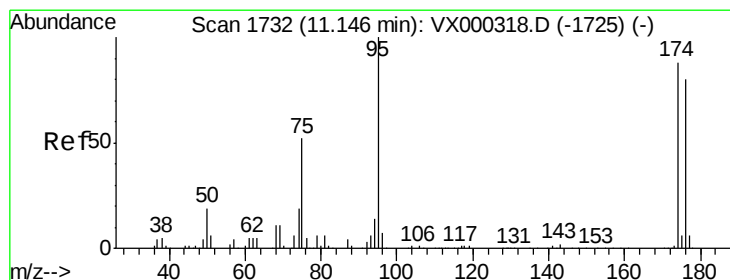
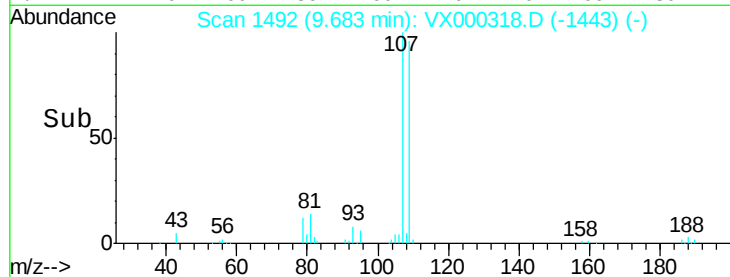
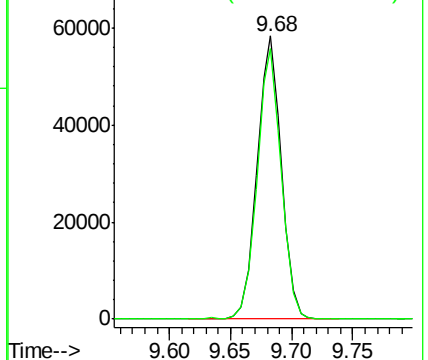
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

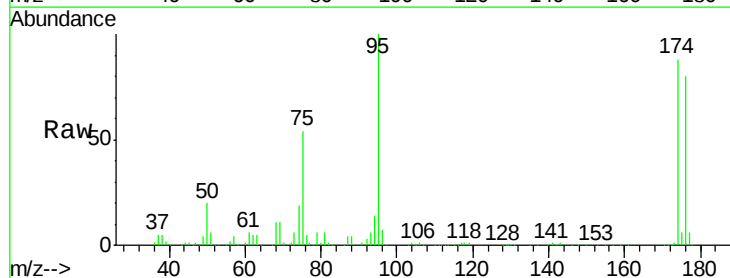
Tgt Ion: 95 Resp: 106459

Ion Ratio Lower Upper

95 100

174 86.8 0.0 173.6

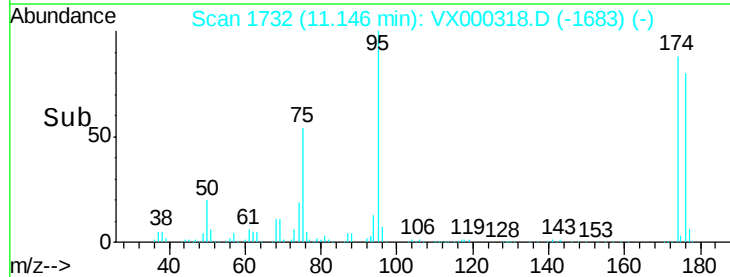
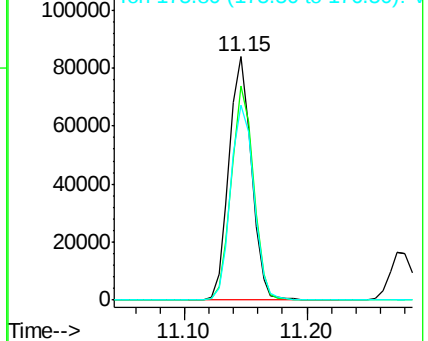
176 82.3 0.0 164.6

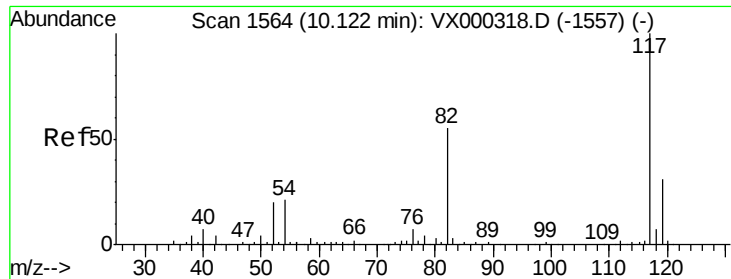


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





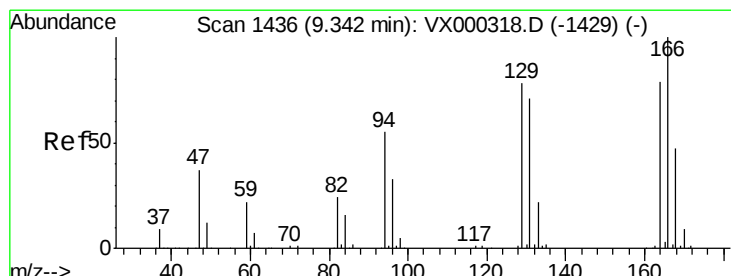
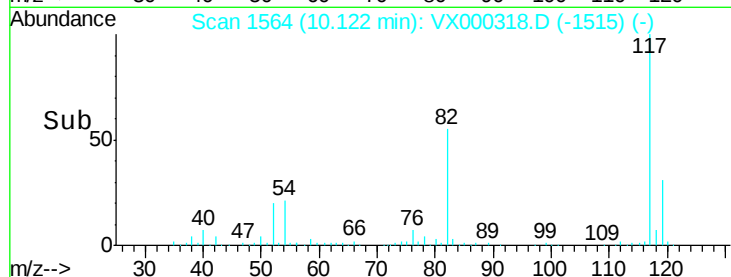
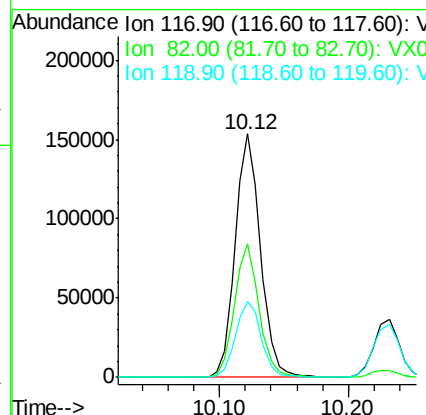
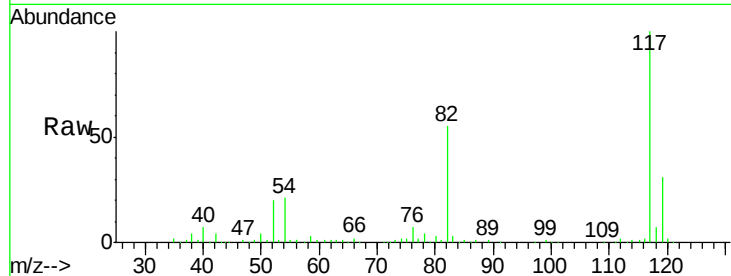
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.8
119	31.1	24.9	37.3

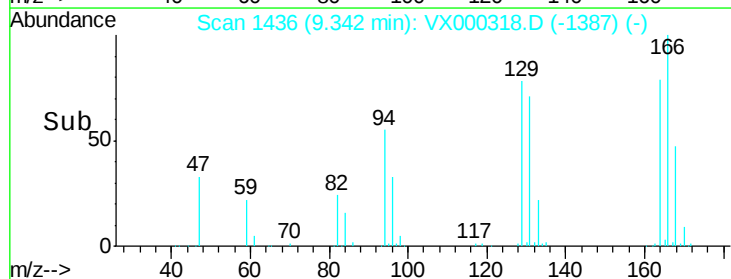
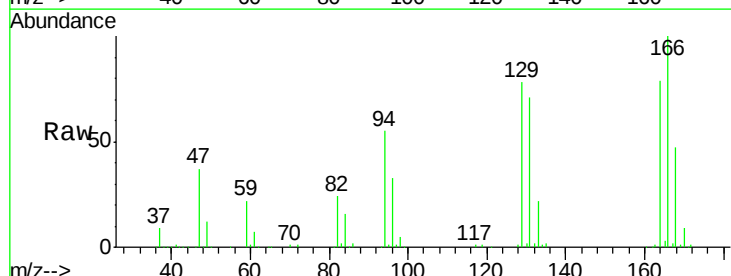
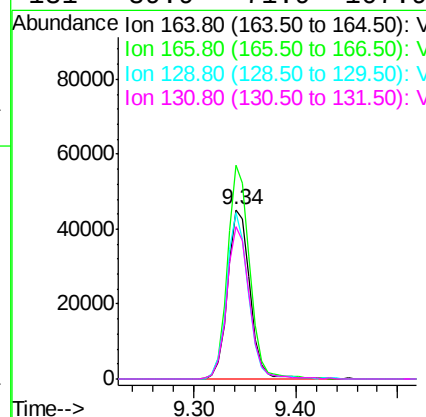
Manual Integrations
APPROVED

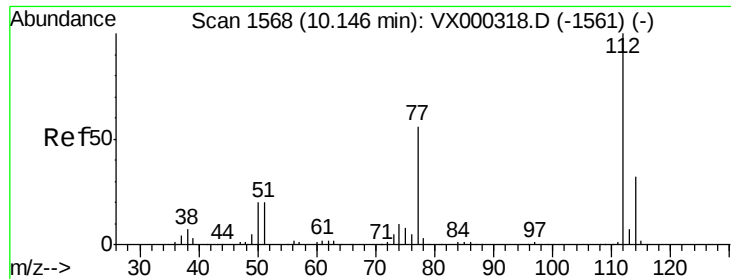
sam
3/15/2018 3:37:04 PM



#64
Tetrachloroethene
Concen: 38.47 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.6
129	98.7	79.0	118.4
131	89.9	71.9	107.9





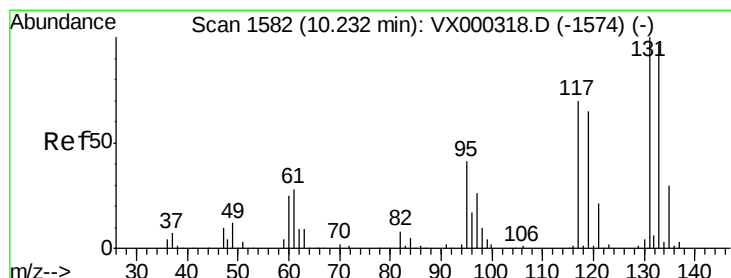
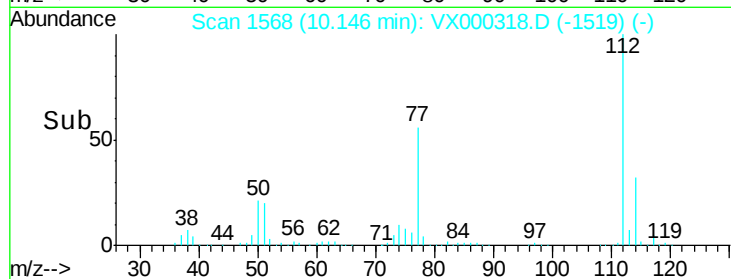
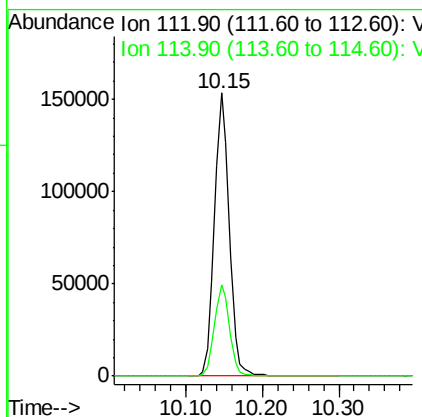
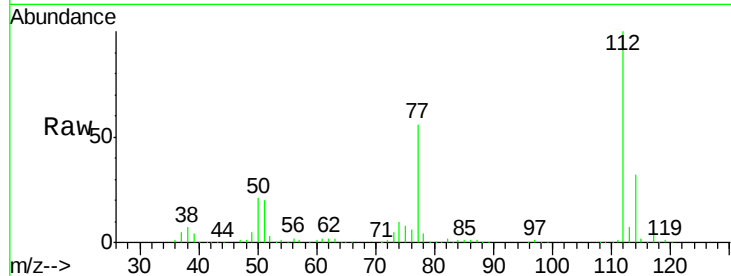
#65
Chlorobenzene
Concen: 46.62 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 207416
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

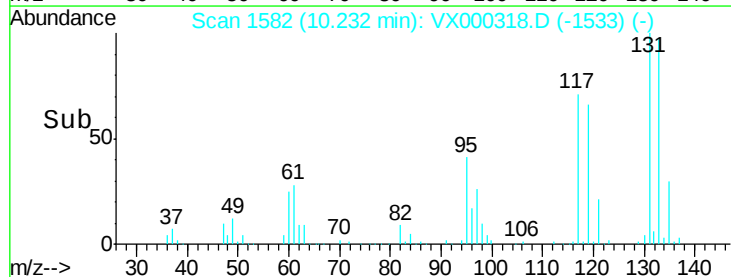
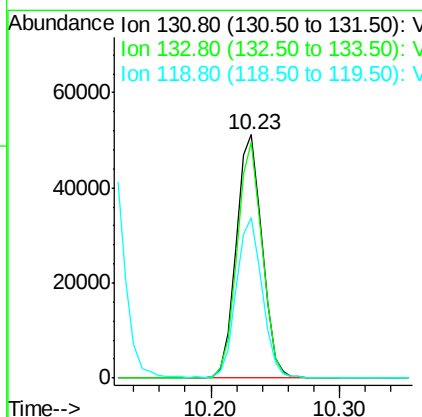
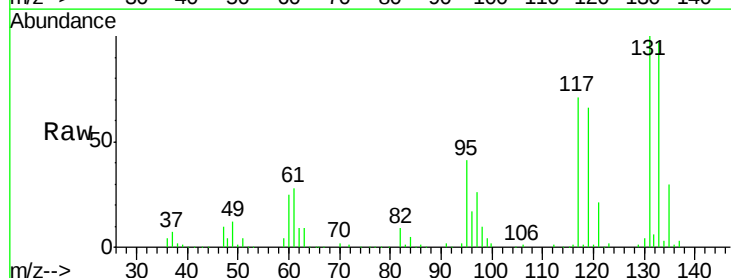
Manual Integrations
APPROVED

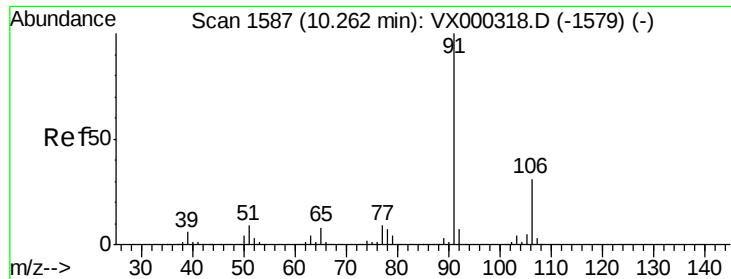
sam
3/15/2018 3:37:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 43.69 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion:131 Resp: 71428
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 66.1 33.1 99.2





#67

Ethyl Benzene

Concen: 47.97 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 354173

Ion Ratio Lower Upper

91 100

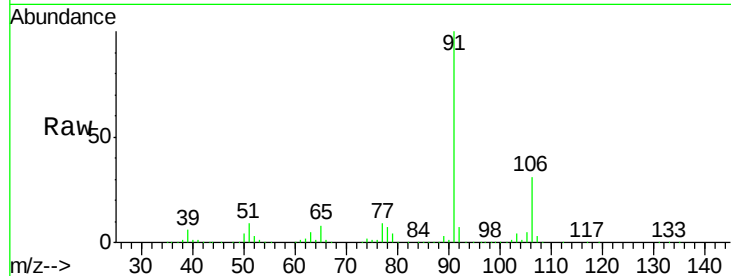
106 31.3 25.0 37.6

Manual Integrations

APPROVED

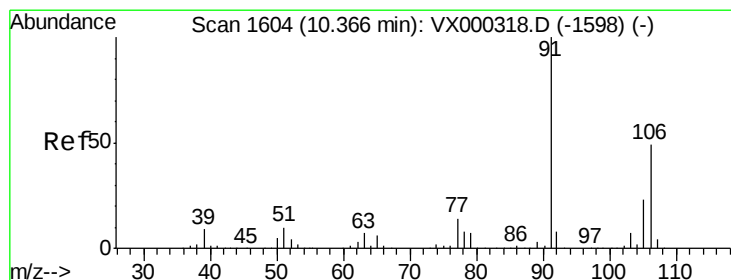
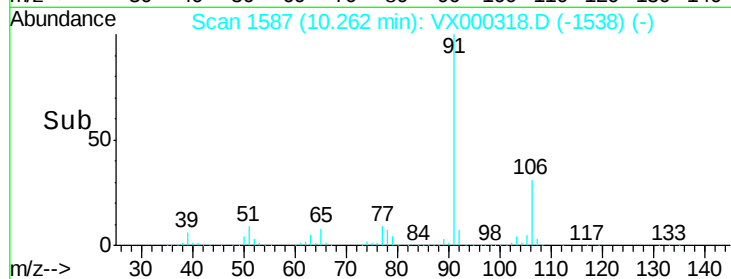
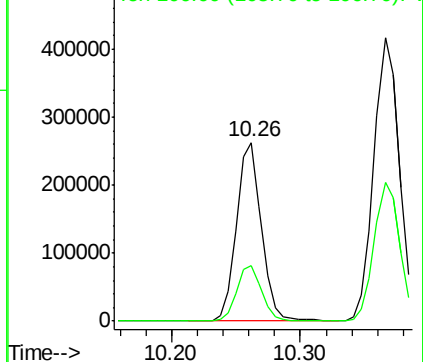
Sam

3/15/2018 3:37:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.18 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000318.D

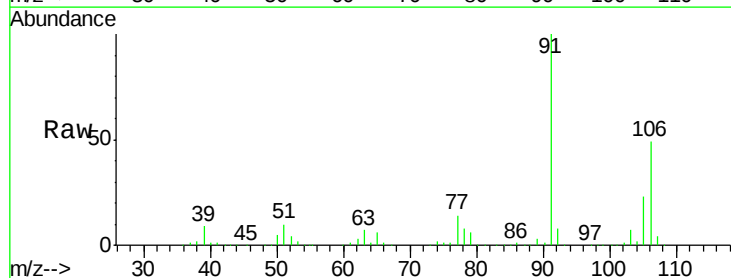
Acq: 14 Mar 2018 17:16

Tgt Ion: 106 Resp: 280787

Ion Ratio Lower Upper

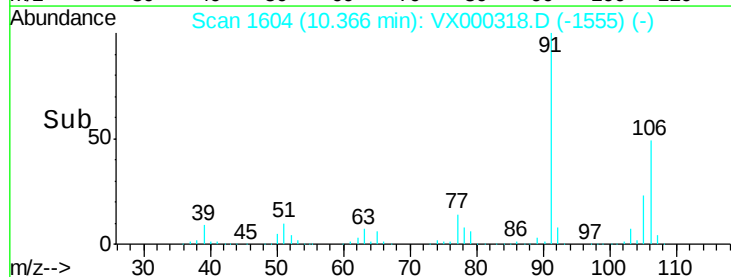
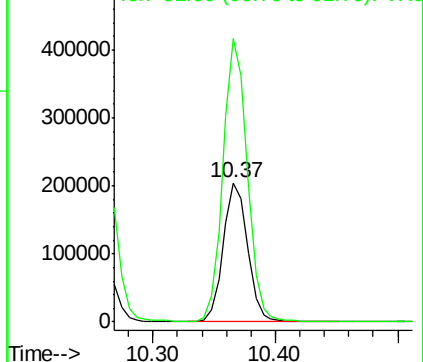
106 100

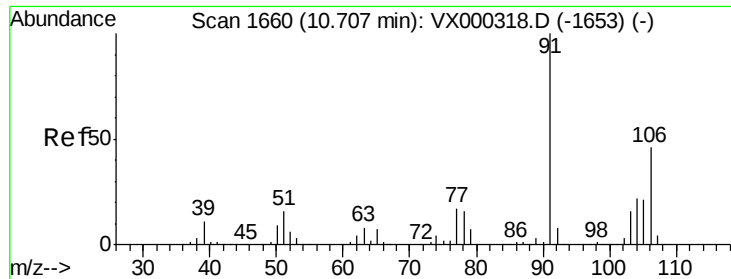
91 204.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





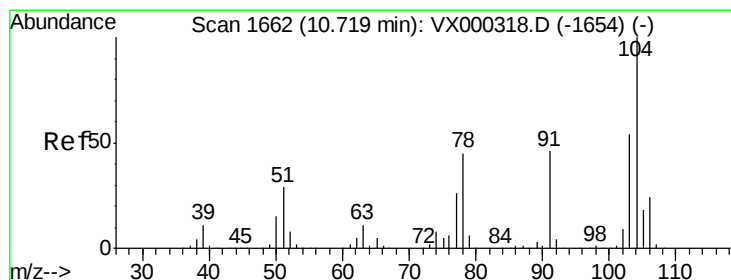
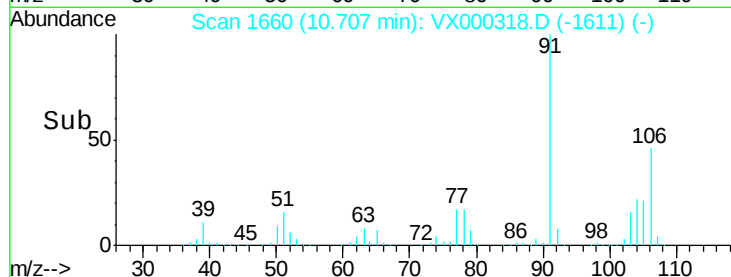
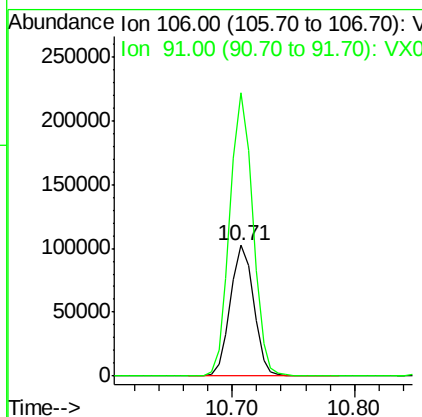
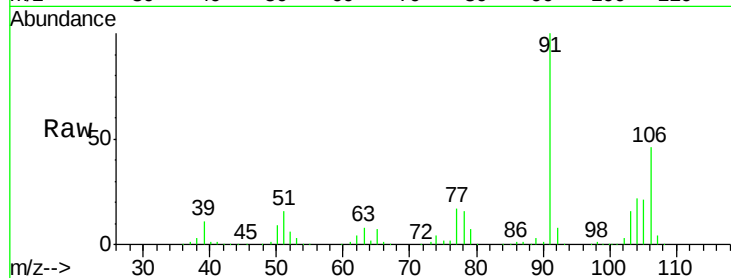
#69
o-Xylene
Concen: 48.22 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 135908
Ion Ratio Lower Upper
106 100
91 213.1 106.5 319.6

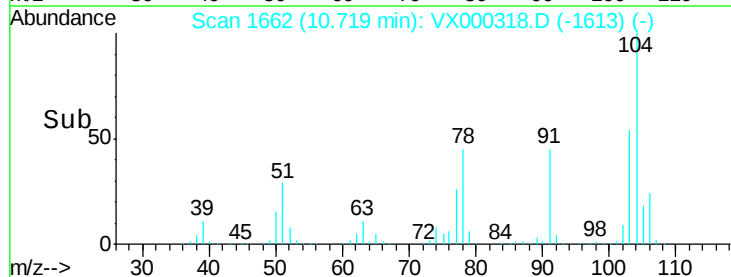
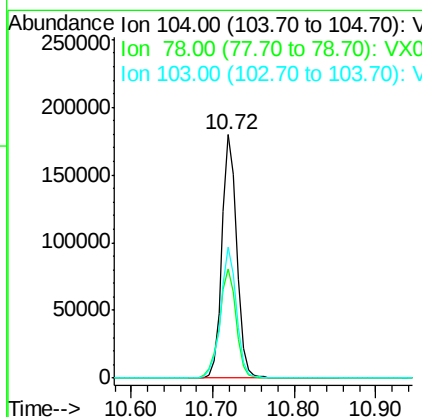
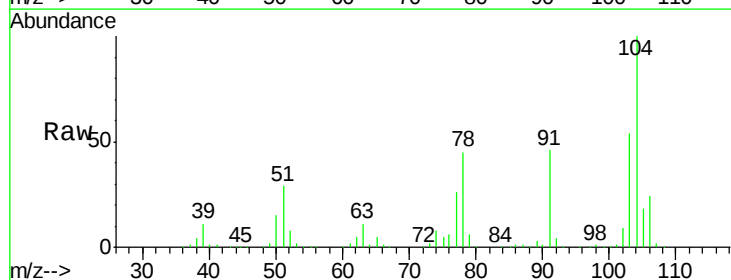
Manual Integrations
APPROVED

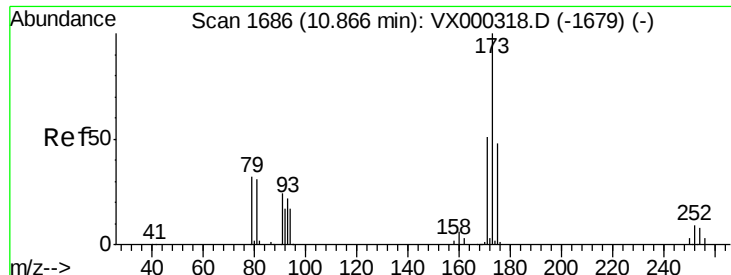
sam
3/15/2018 3:37:04 PM



#70
Styrene
Concen: 48.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion:104 Resp: 229091
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 57.1 45.7 68.5





#71

Bromoform

Concen: 36.30 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

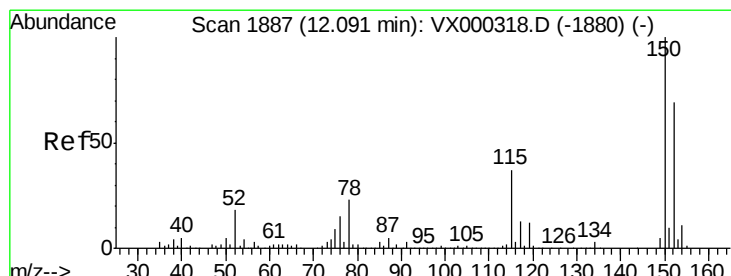
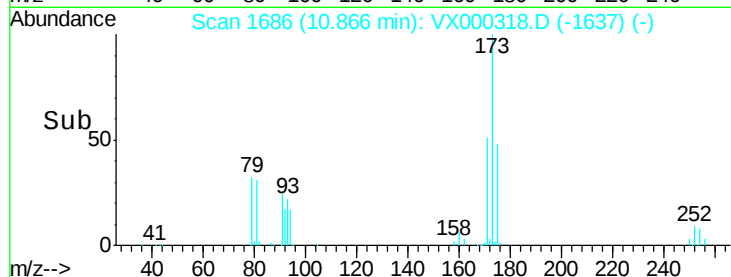
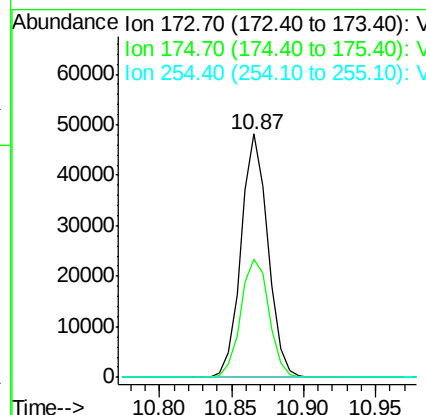
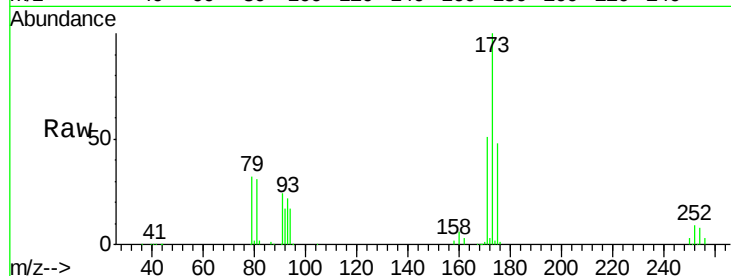
ClientSampleId :

VSTDICCC050

Tot Ion:	173	Resp:	62542
Ion Ratio	Lower	Upper	
173	100		
175	50.9	25.4	76.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

sam
3/15/2018 3:37:04 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

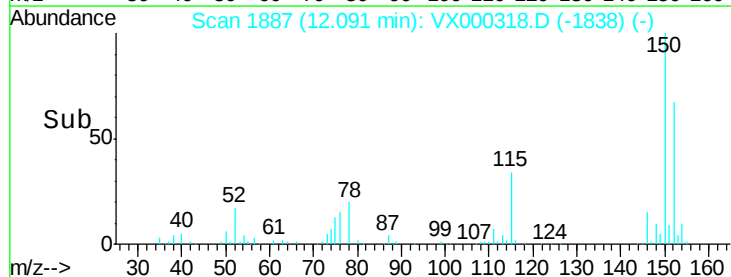
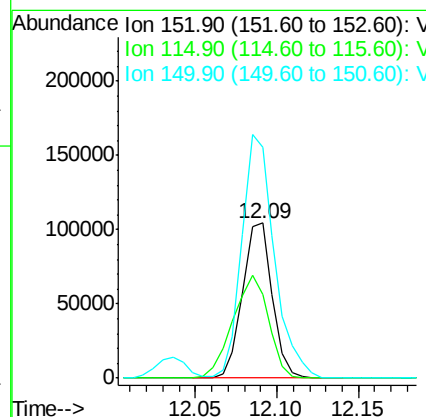
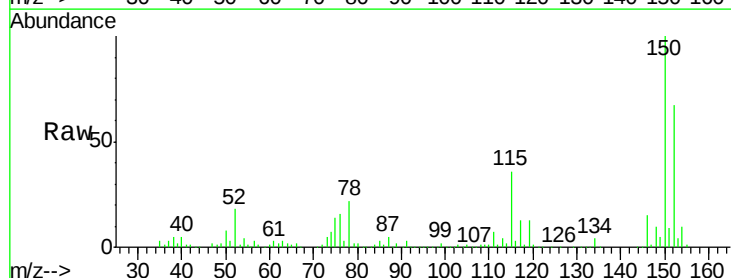
RT: 12.09 min Scan# 1887

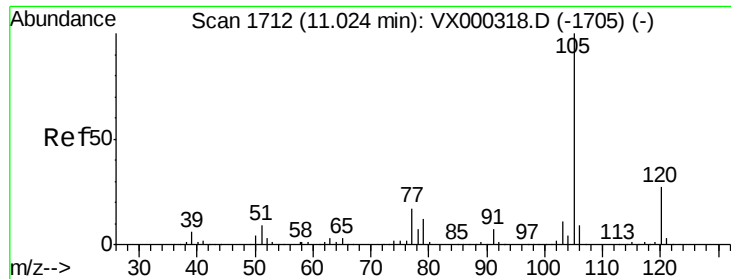
Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	152	Resp:	132778
Ion Ratio	Lower	Upper	
152	100		
115	79.5	39.8	119.3
150	172.2	0.0	344.4





#73

Isopropylbenzene

Concen: 46.44 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 371009

Ion Ratio Lower Upper

105 100

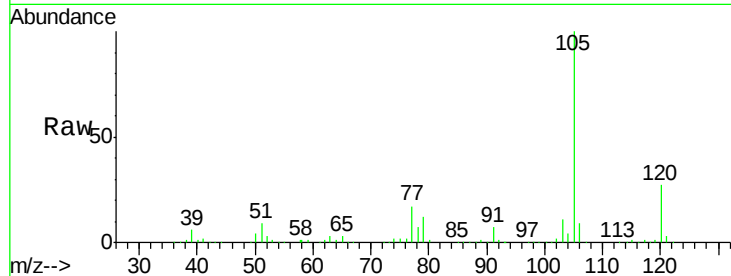
120 27.1 13.6 40.7

Manual Integrations

APPROVED

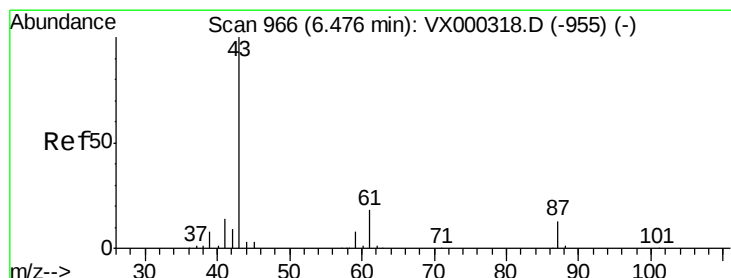
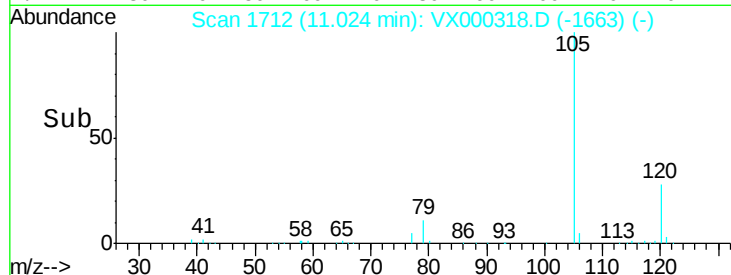
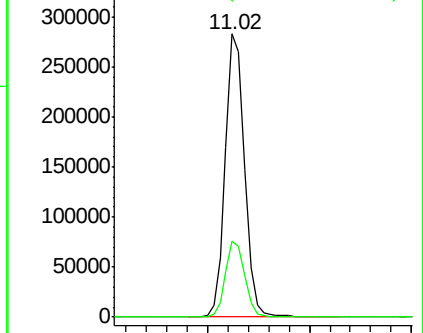
sam

3/15/2018 3:37:04 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.25 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion: 43 Resp: 174047

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

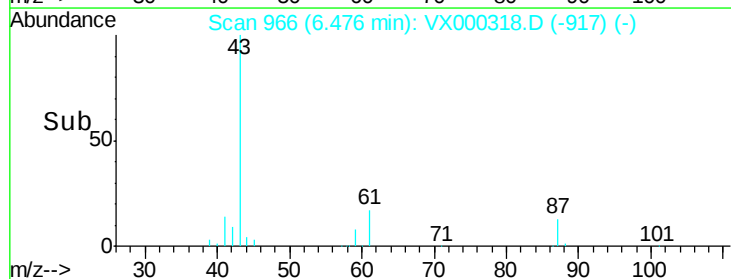
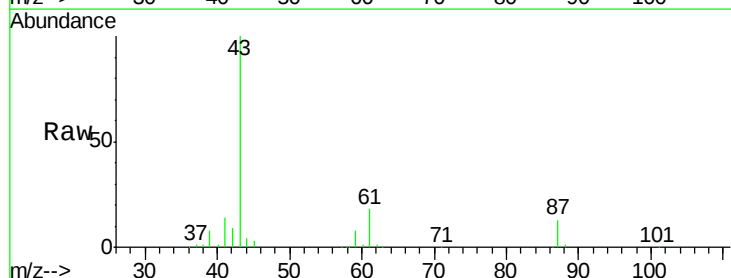
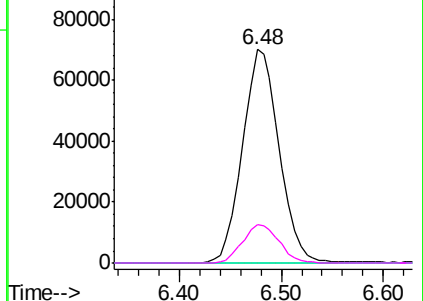
61 18.0 14.4 21.6

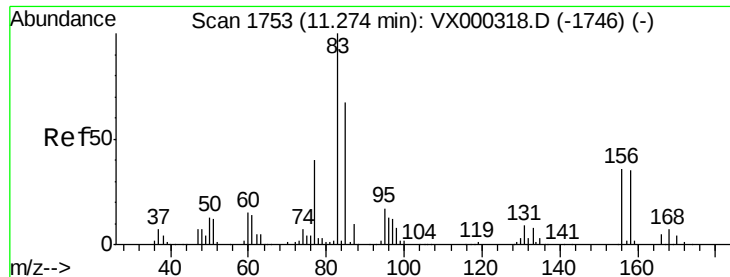
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.74 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 131452
Ion Ratio Lower Upper

83 100

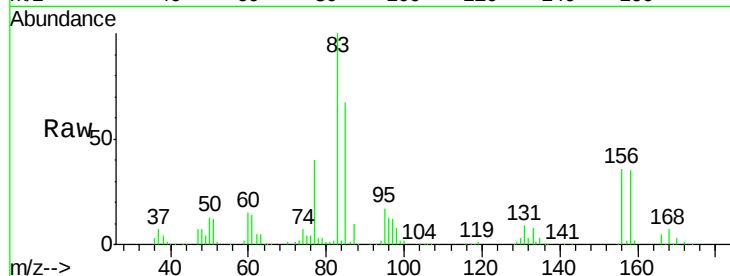
131 9.9 5.0 14.9

85 65.0 32.5 97.5

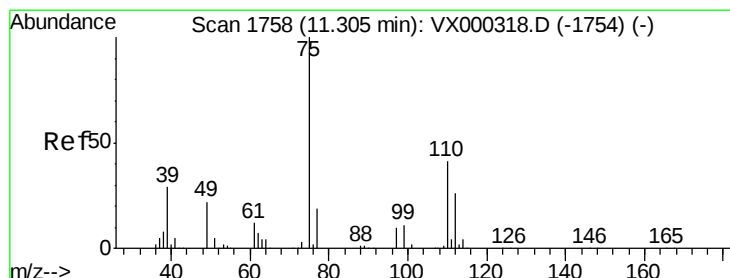
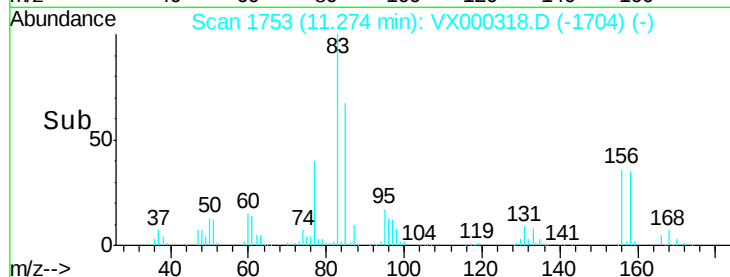
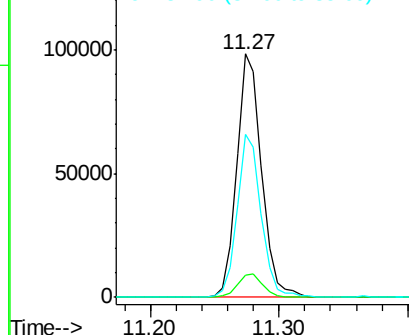
Manual Integrations
APPROVED

sam

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 34.62 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

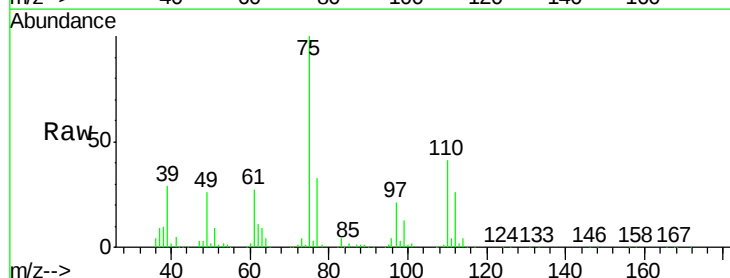
Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

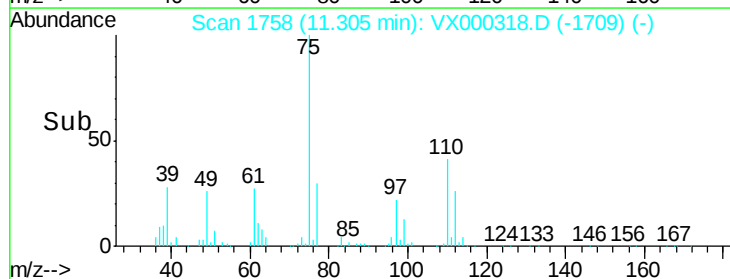
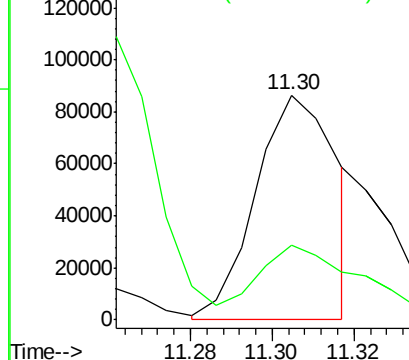
Tgt Ion: 75 Resp: 118186
Ion Ratio Lower Upper

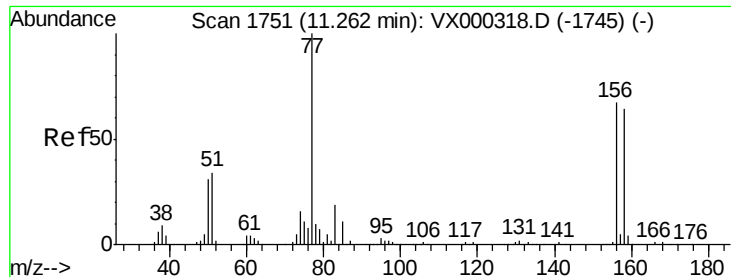
75 100

77 42.8 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 42.01 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 95491

Ion Ratio Lower Upper

156 100

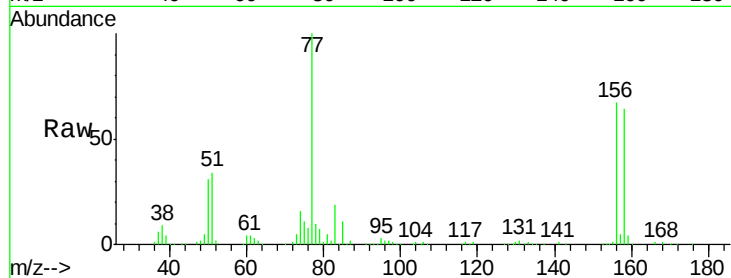
77 146.8 73.4 220.2

158 97.1 48.5 145.6

Manual Integrations
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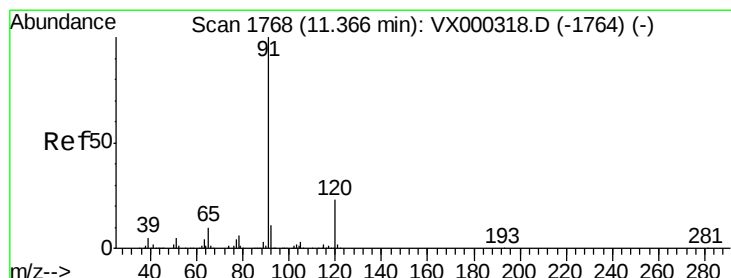
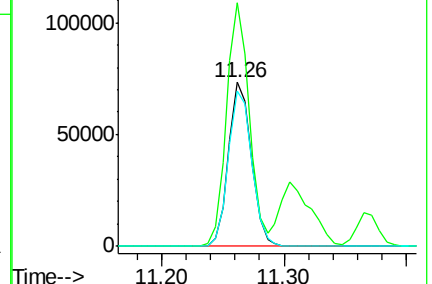
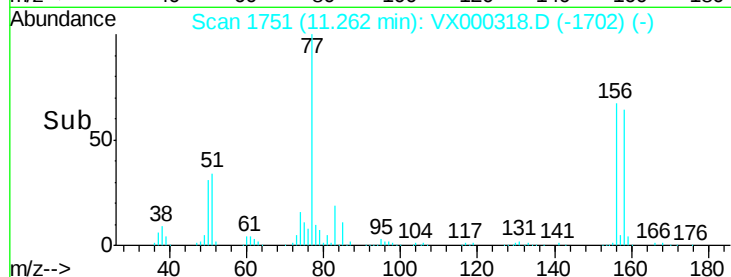
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.53 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000318.D

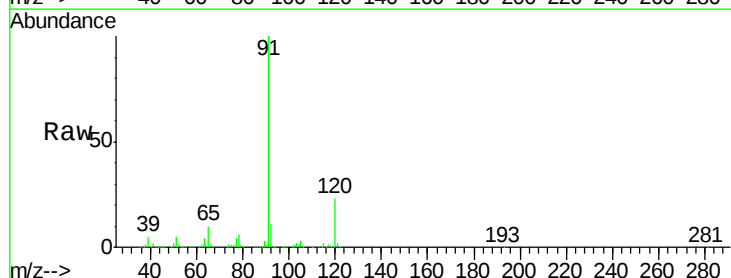
Acq: 14 Mar 2018 17:16

Tgt Ion: 91 Resp: 446992

Ion Ratio Lower Upper

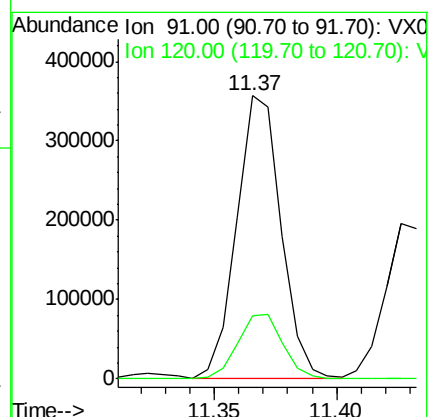
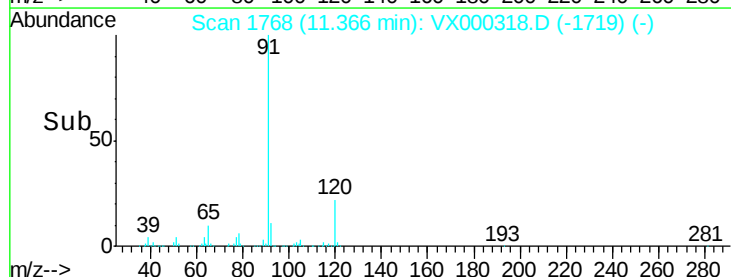
91 100

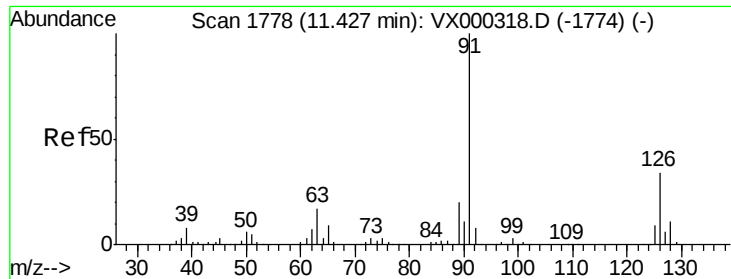
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





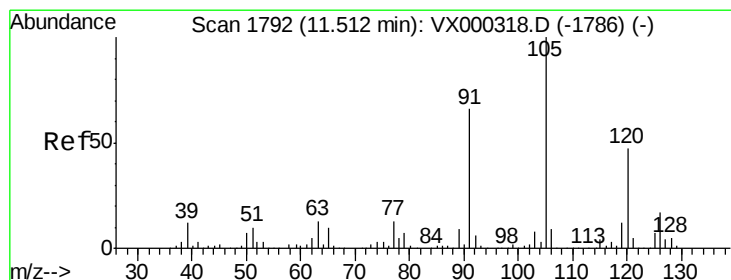
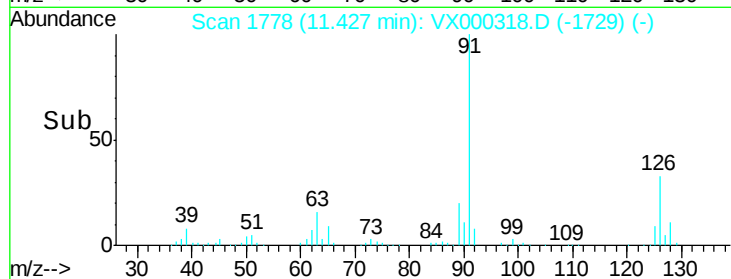
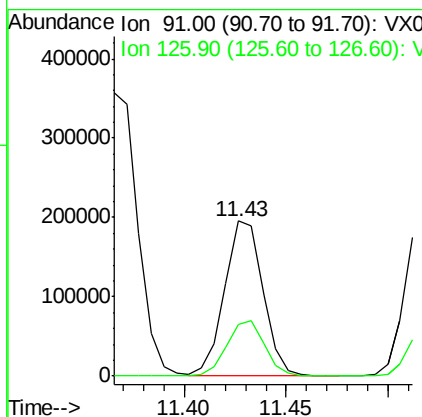
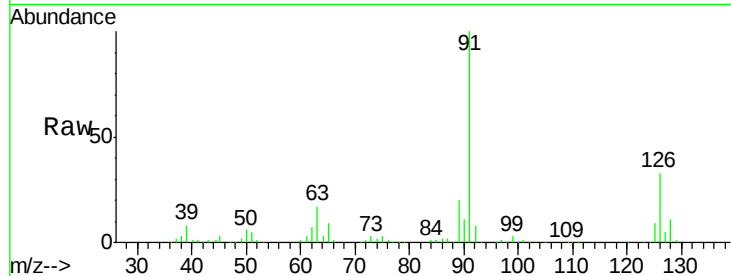
#79
 2-Chlorotoluene
 Concen: 46.86 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 253689
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.7 53.1

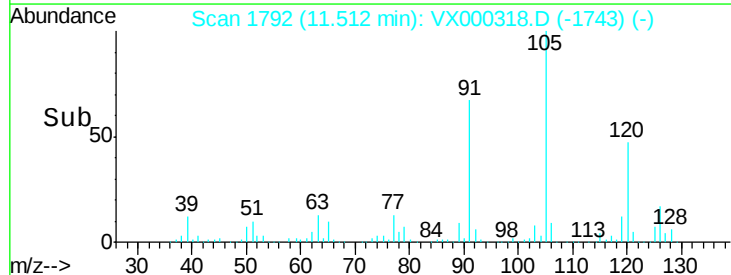
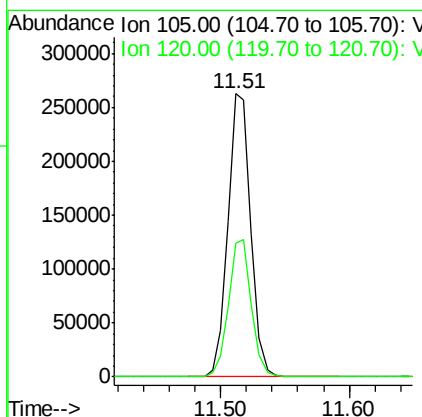
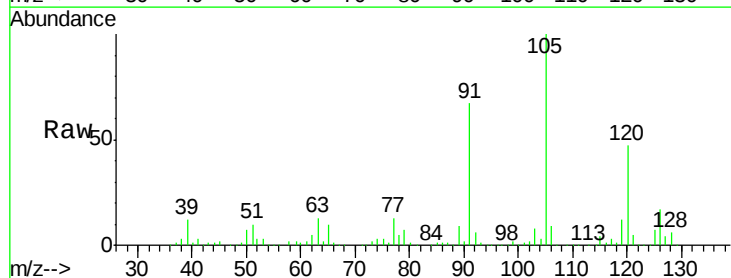
Manual Integrations
 APPROVED

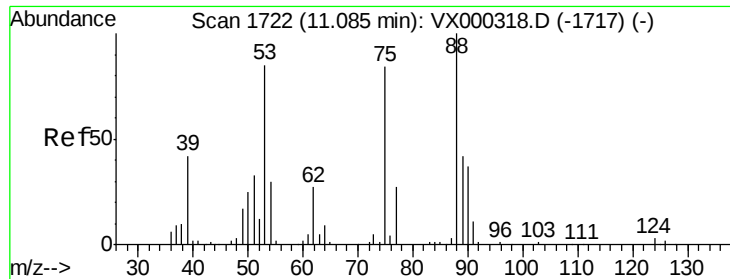
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.91 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion: 105 Resp: 327085
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.4





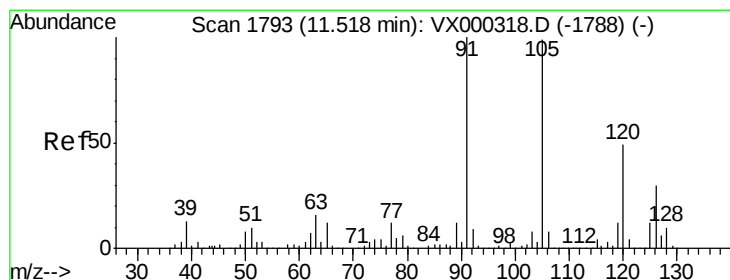
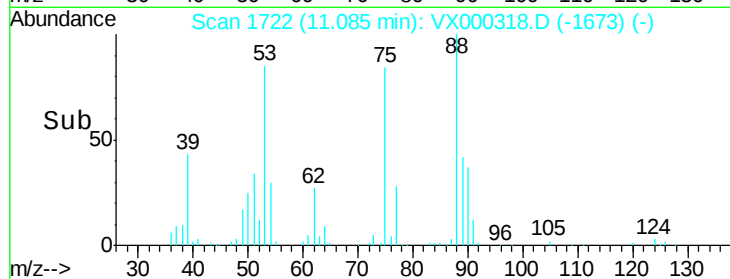
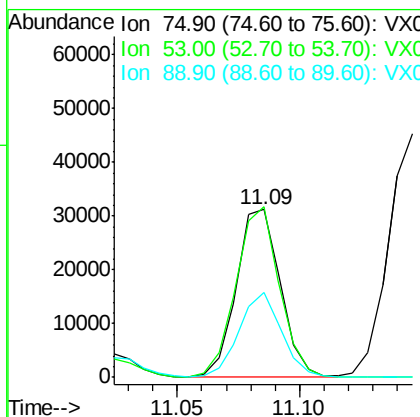
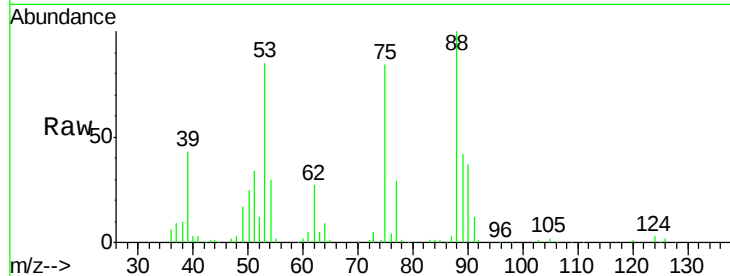
#81
trans-1,4-Dichloro-2-butene
Concen: 39.46 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	80.7	121.1
89	49.2	39.4	59.0

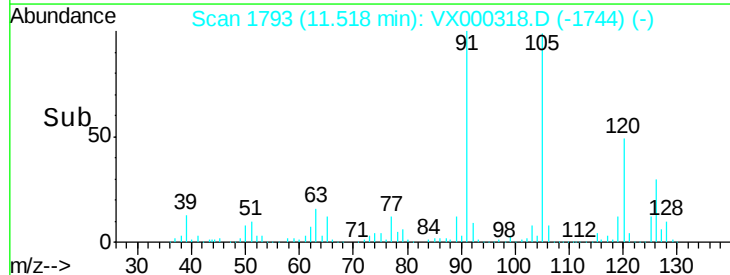
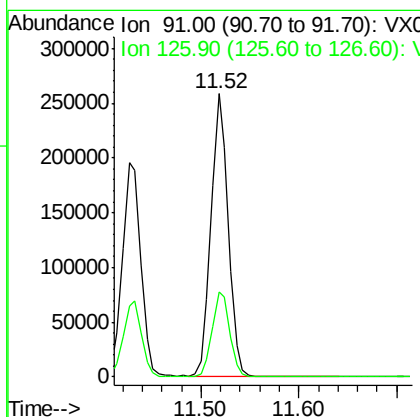
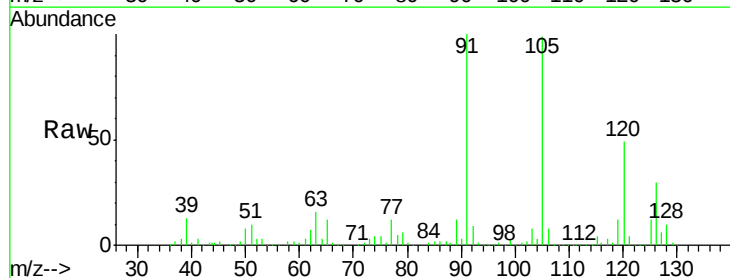
Manual Integrations
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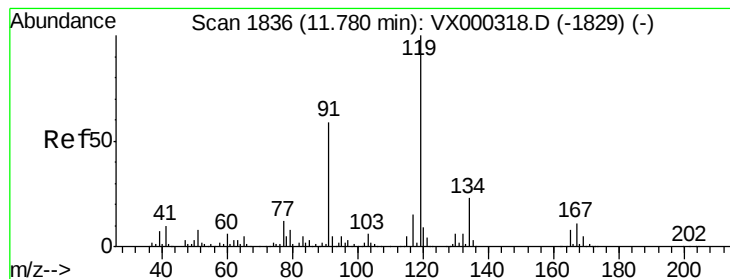
sam
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#82
4-Chlorotoluene
Concen: 48.29 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.1





#83

tert-Butylbenzene

Concen: 44.92 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

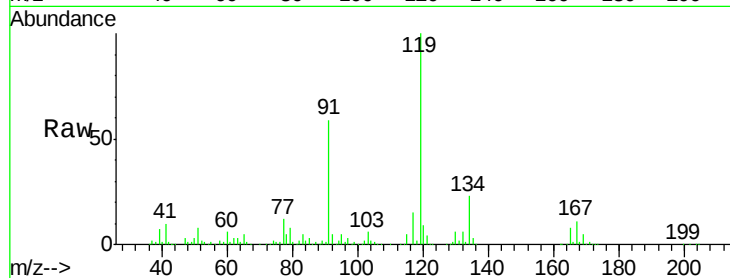
ClientSampleId :

VSTDICCC050

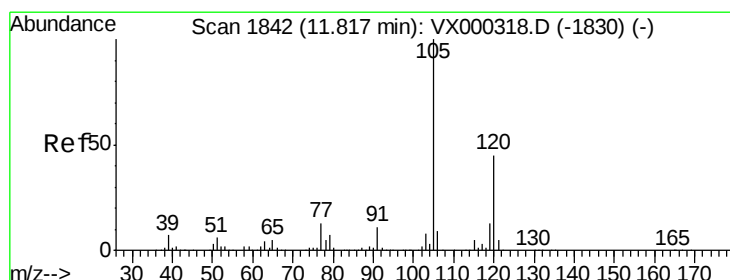
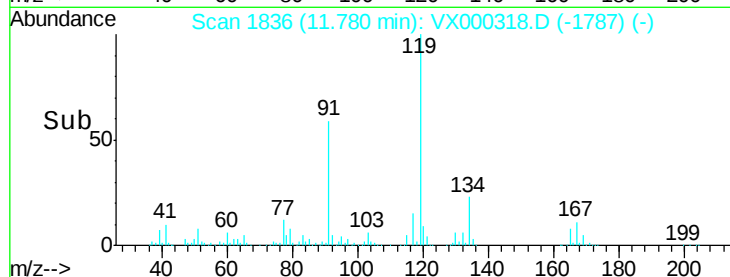
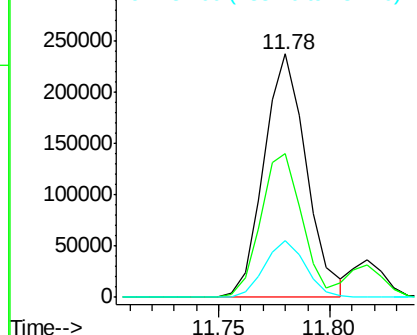
Tot Ion:	119	Resp:	313026
Ion Ratio	Lower	Upper	
119	100		
91	57.6	28.8	86.4
134	22.7	11.4	34.1

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.54 ug/l

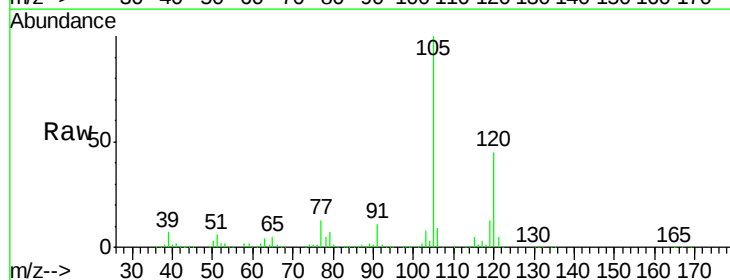
RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

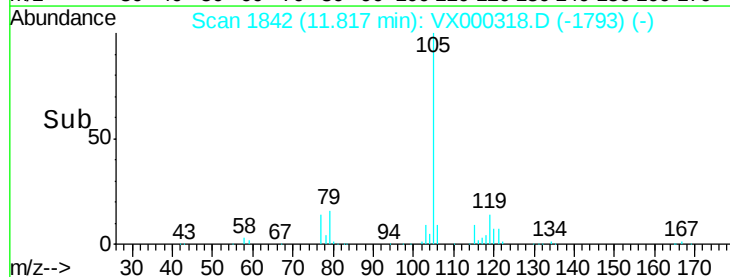
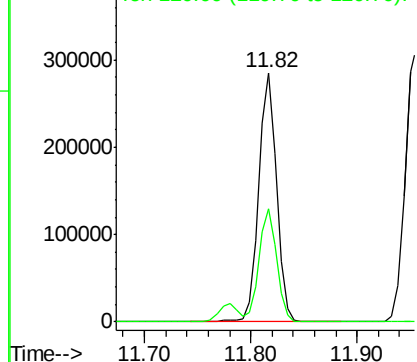
Lab File: VX000318.D

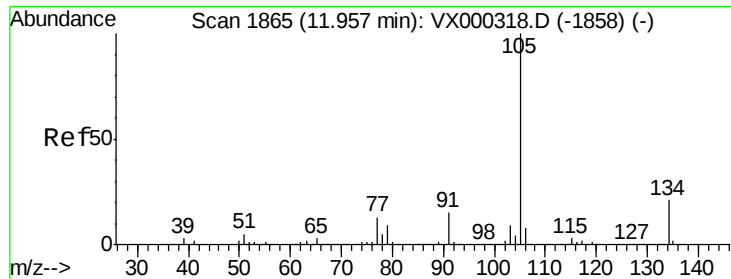
Acq: 14 Mar 2018 17:16

Tgt Ion:	105	Resp:	337433
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.92 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 395473

Ion Ratio Lower Upper

105 100

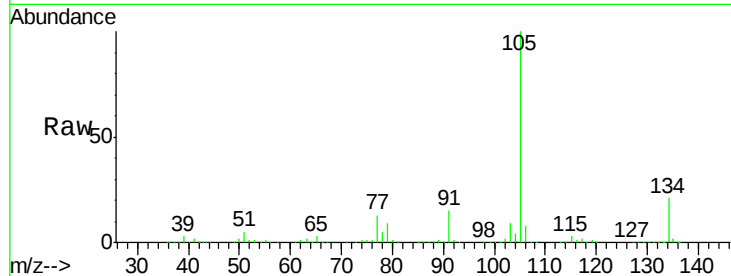
134 20.5 10.3 30.8

Manual Integrations

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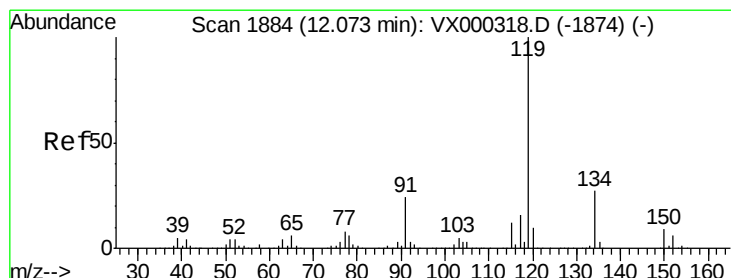
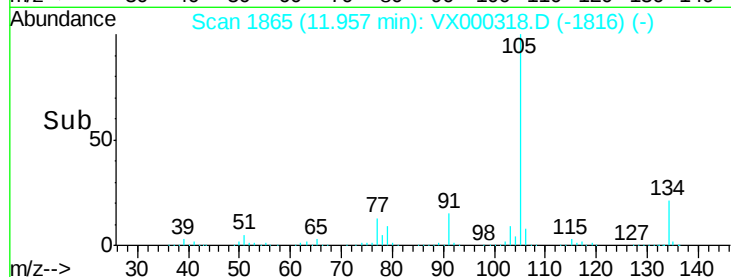
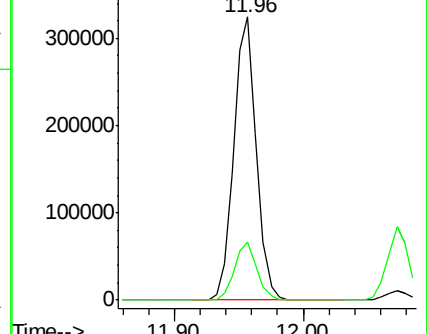
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.83 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

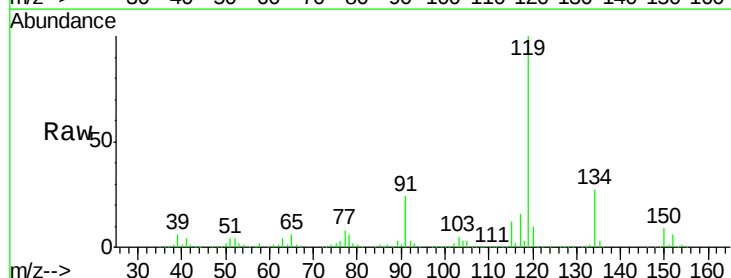
Tgt Ion:119 Resp: 359729

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

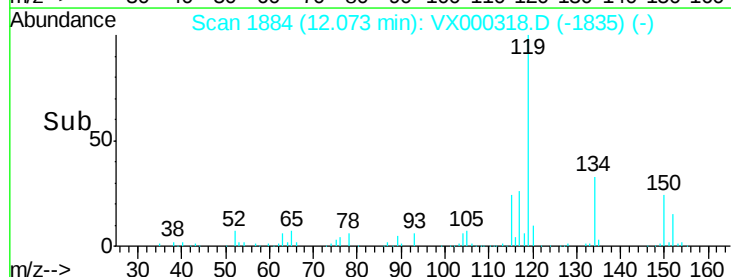
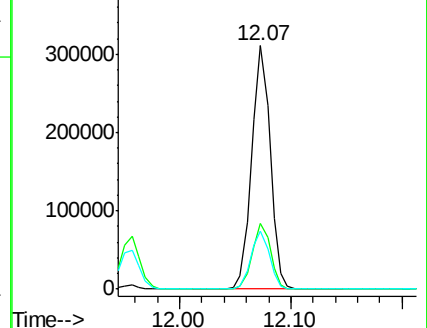
91 24.1 12.0 36.1

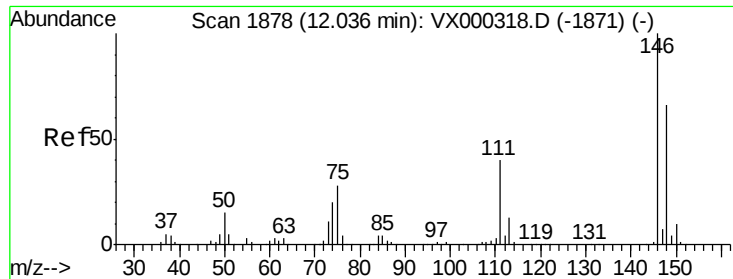


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





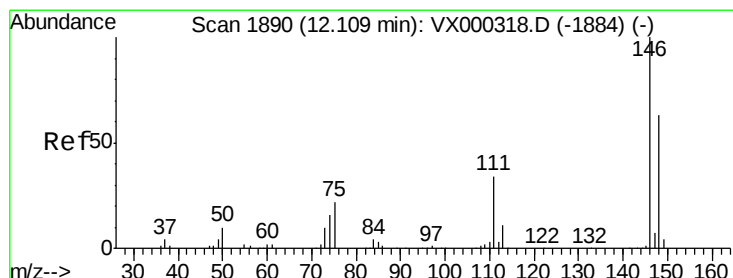
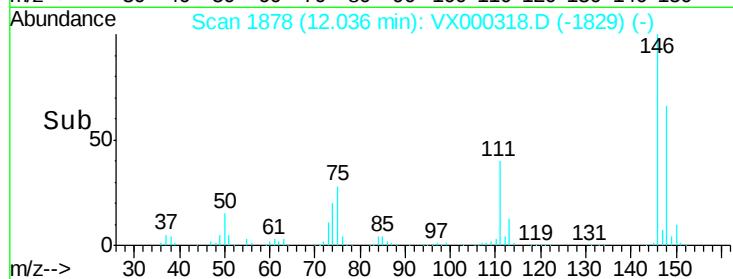
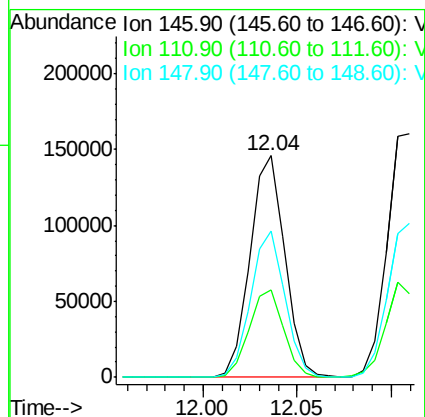
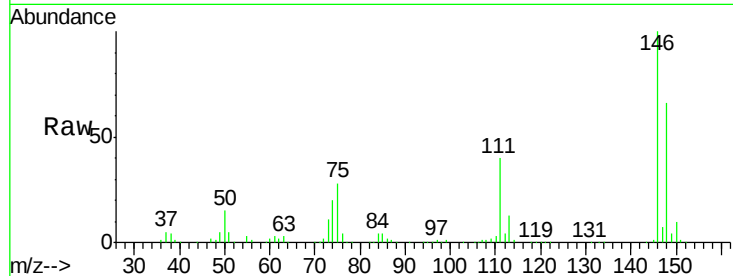
#87
 1,3-Dichlorobenzene
 Concen: 42.86 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.7	32.4	97.0

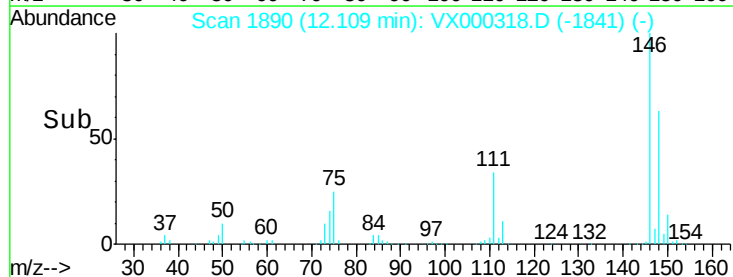
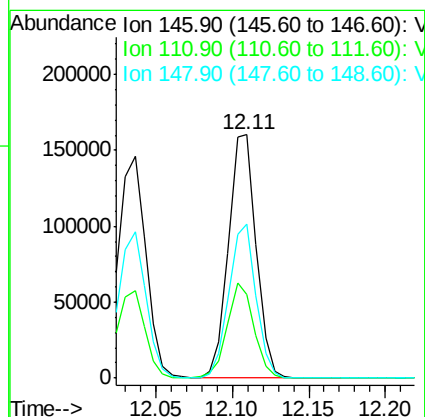
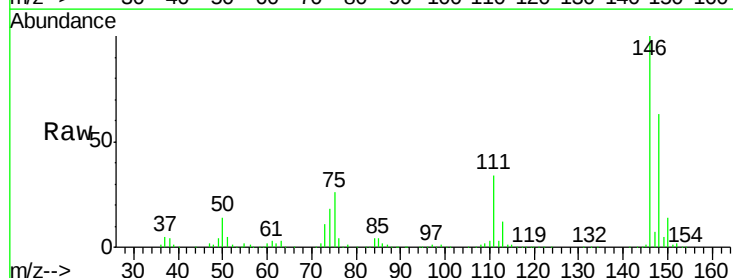
Manual Integrations
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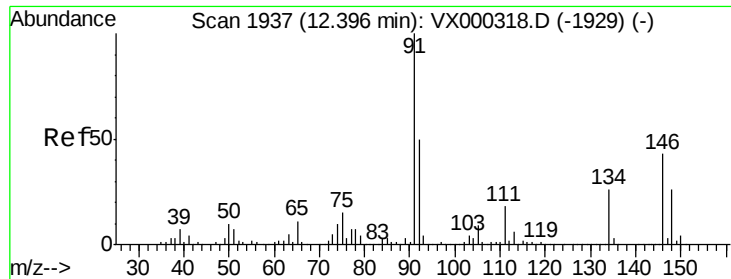
sam
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#88
 1,4-Dichlorobenzene
 Concen: 44.19 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	62.0	31.0	93.0





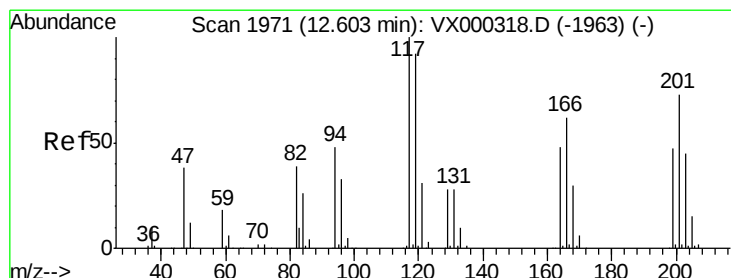
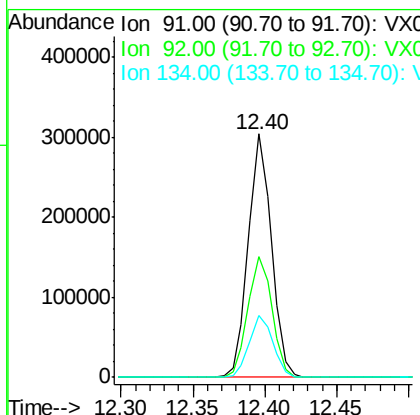
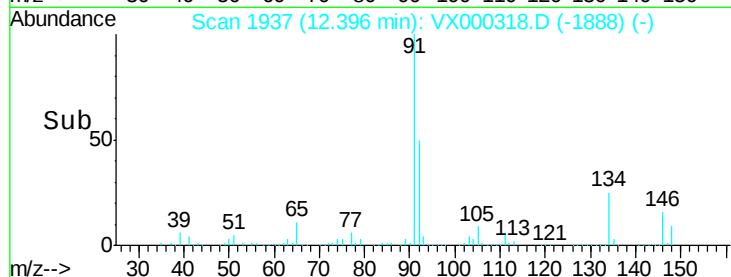
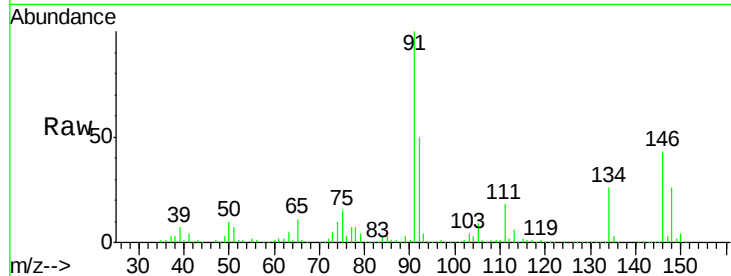
#89
n-Butylbenzene
Concen: 46.32 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	25.9	77.8	
134	26.2	13.1	39.3	

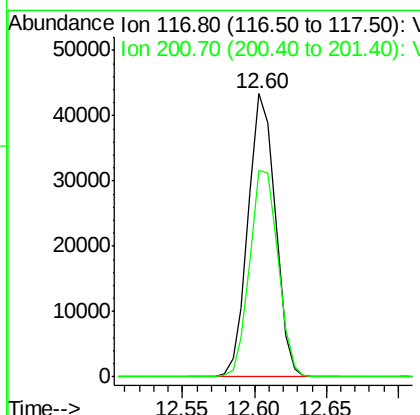
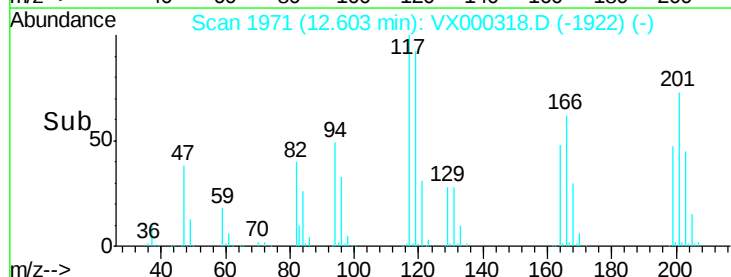
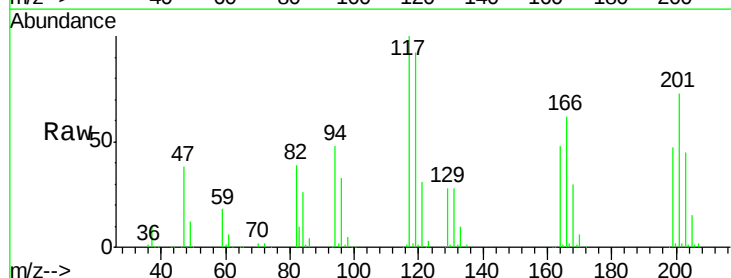
Manual Integrations
APPROVED

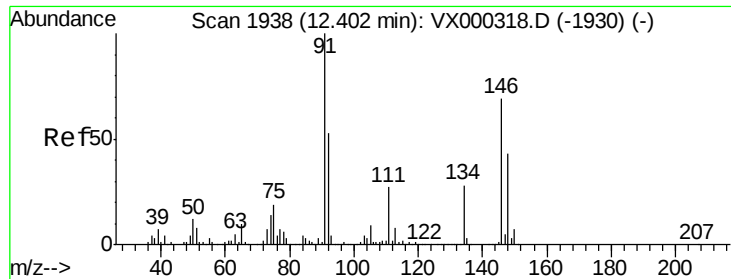
sam
3/15/2018 3:37:04 PM



#90
Hexachloroethane
Concen: 44.91 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	75.7	37.9	113.6	





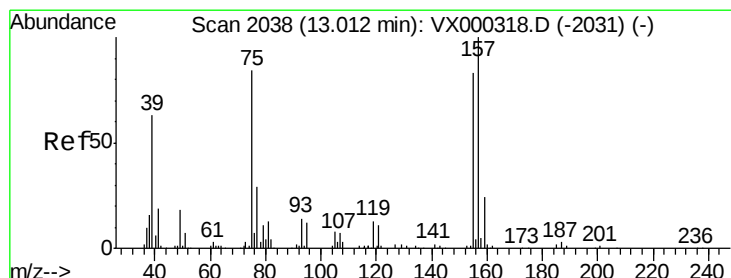
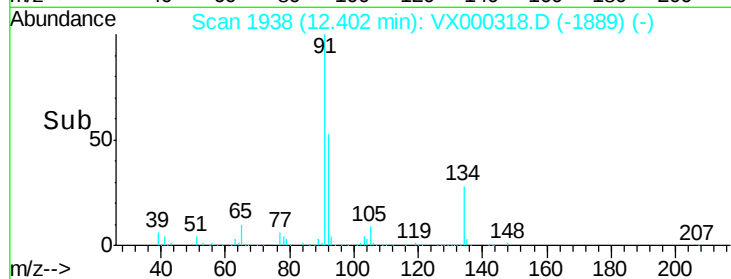
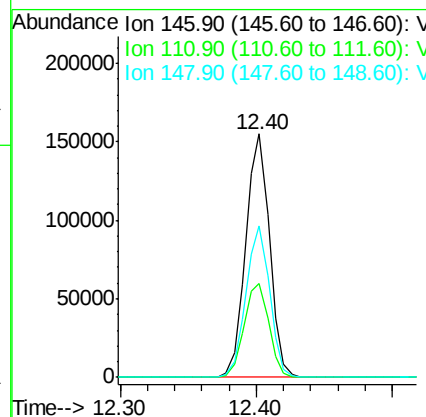
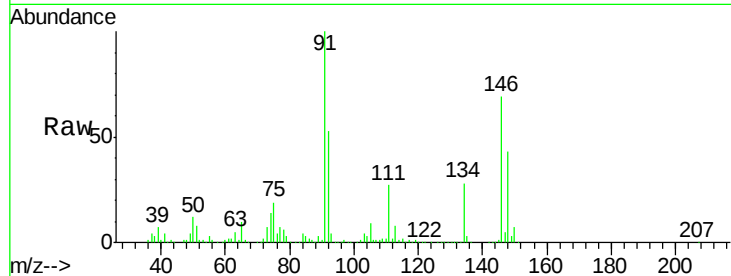
#91
1,2-Dichlorobenzene
Concen: 44.58 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188881		
111	40.1	20.1	60.2	
148	62.4	31.2	93.6	

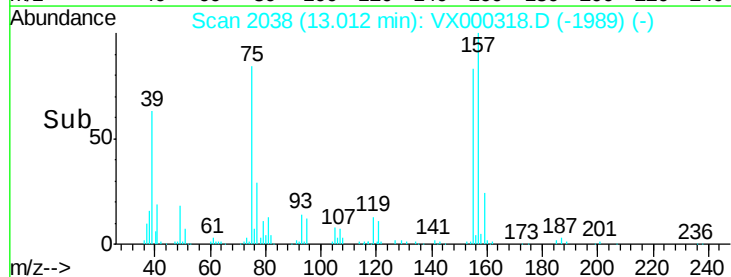
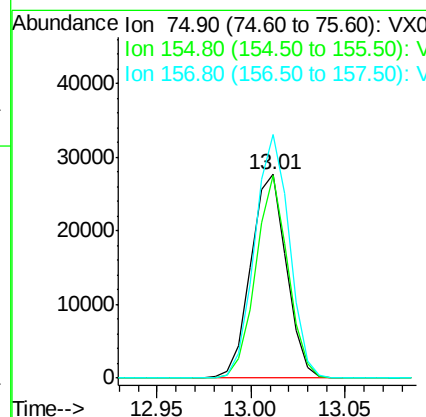
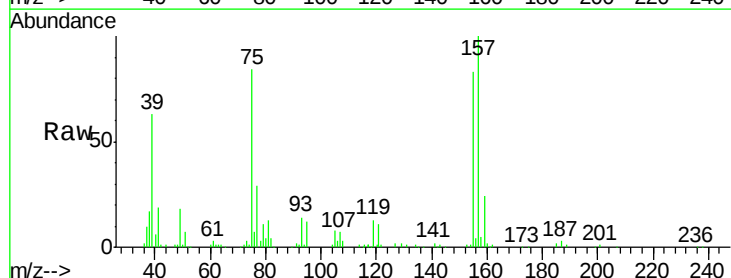
Manual Integrations
APPROVED

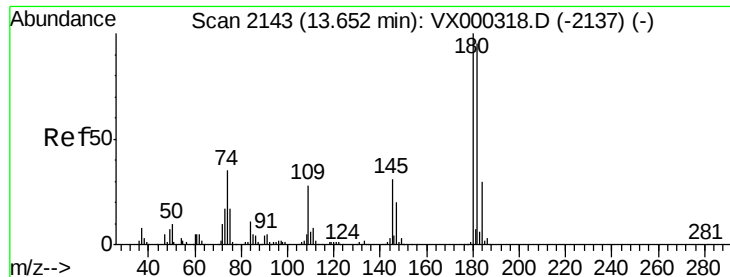
sam
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#92
1,2-Dibromo-3-Chloropropane
Concen: 41.70 ug/l
RT: 13.01 min Scan# 2038
Delta R.T. 0.00 min
Lab File: VX000318.D
Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36146		
155	89.9	45.0	134.8	
157	116.1	58.1	174.2	





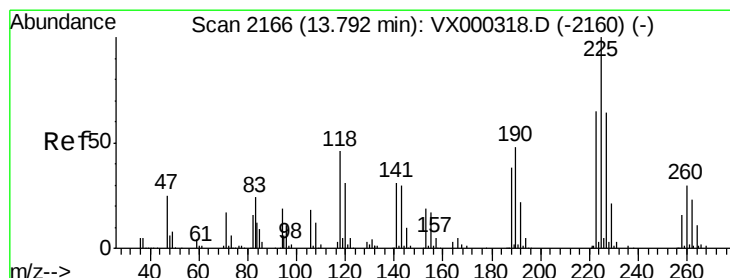
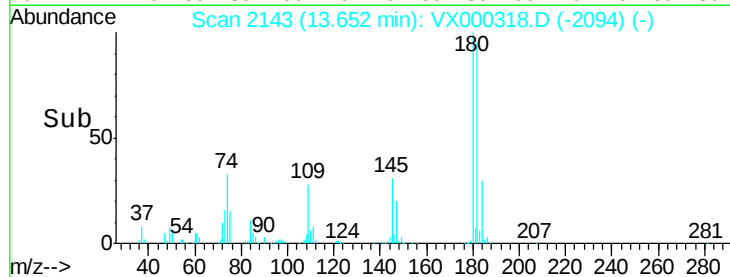
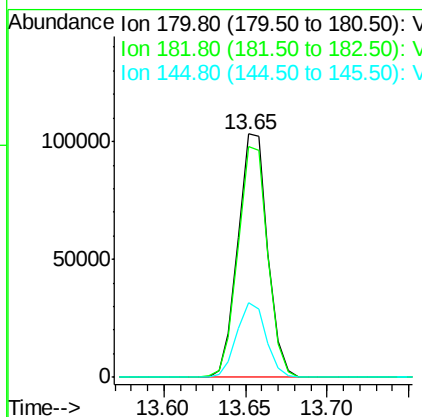
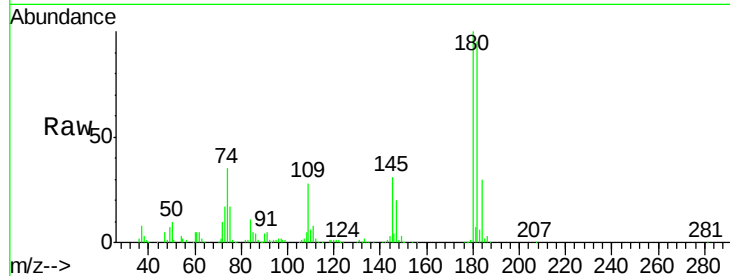
#93
 1,2,4-Trichlorobenzene
 Concen: 35.74 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130659		
182	95.3	47.6	142.9	
145	30.2	15.1	45.3	

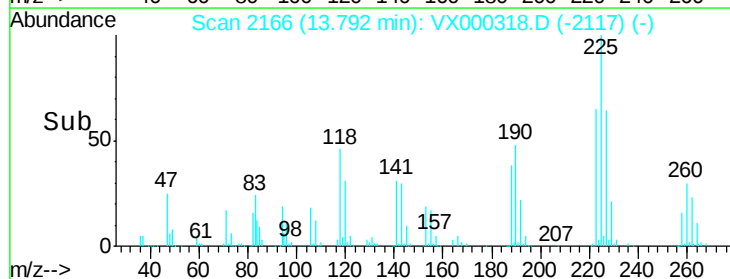
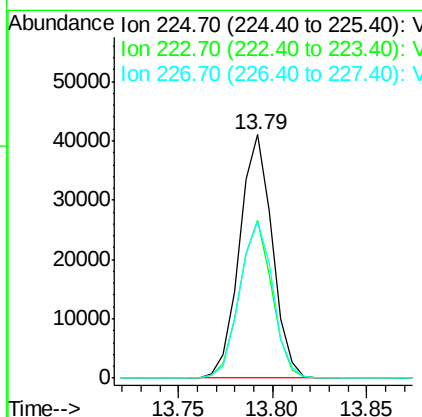
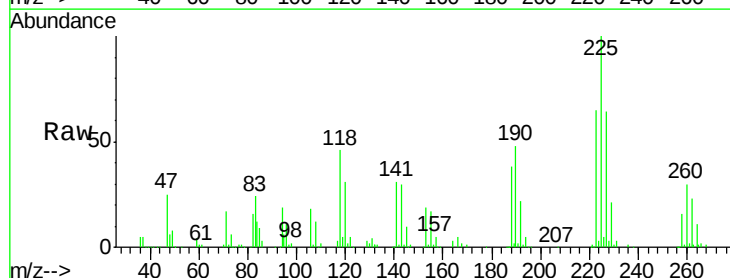
Manual Integrations
 APPROVED

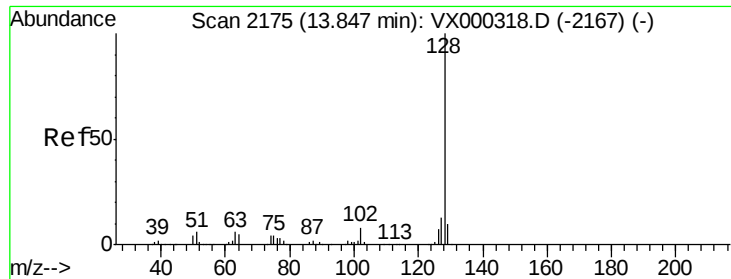
sam
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#94
 Hexachlorobutadiene
 Concen: 25.46 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000318.D
 Acq: 14 Mar 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49285		
223	64.0	32.0	96.0	
227	65.3	32.6	98.0	





#95

Naphthalene

Concen: 43.90 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Instrument :

MSVOA_X

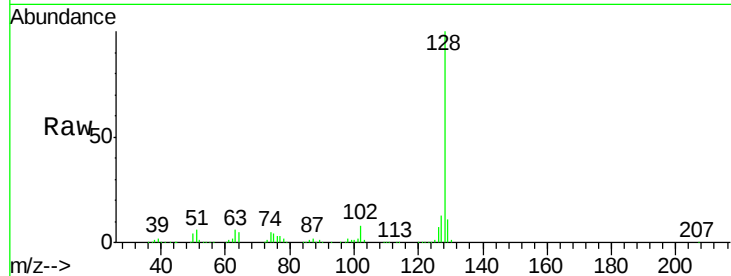
ClientSampleId :

VSTDICCC050

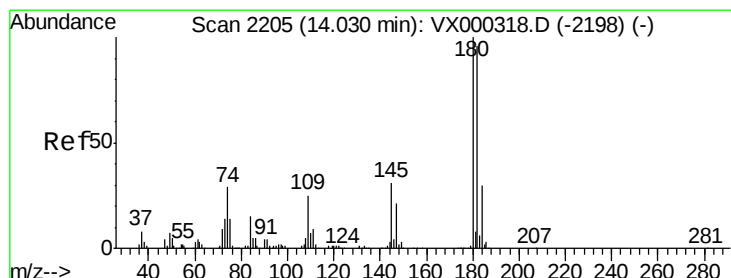
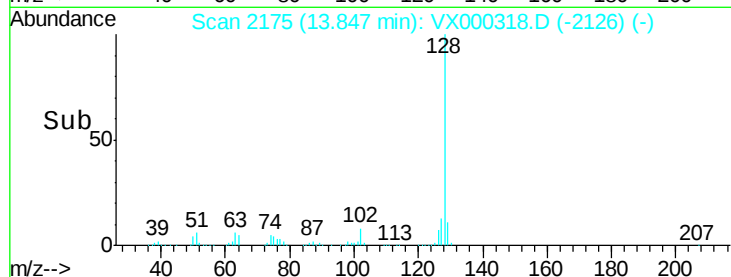
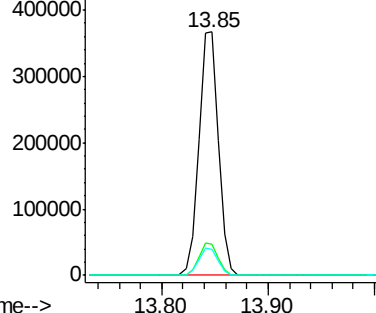
Tot Ion:	128	Resp:	471004
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.1	8.9	13.3

Manual Integrations
APPROVED

sam
3/15/2018 3:37:04 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 36.16 ug/l

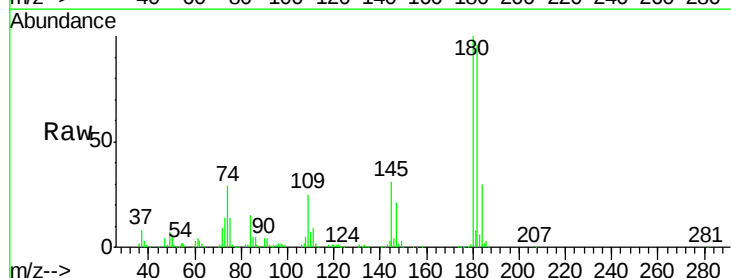
RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000318.D

Acq: 14 Mar 2018 17:16

Tgt Ion:	180	Resp:	128319
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	31.5	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

