

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000506.D
 Acq On : 29 Mar 2018 11:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 3/30/2018 4:10:17 PM

Quant Time: Mar 29 15:01:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	145671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	230667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	229580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	90504	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	5.51	113	71438	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	8.73	98	273428	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
62) 4-Bromofluorobenzene	11.15	95	116310	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76032	47.36	ug/l	100
3) Chloromethane	1.32	50	67047	39.64	ug/l	98
4) Vinyl Chloride	1.40	62	84686	47.39	ug/l	99
5) Bromomethane	1.64	94	118786	55.51	ug/l	94
6) Chloroethane	1.72	64	56586	53.07	ug/l	92
7) Trichlorofluoromethane	1.93	101	153300	47.53	ug/l	99
8) Diethyl Ether	2.19	74	54244	47.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83493	46.42	ug/l	97
10) Methyl Iodide	2.51	142	64556	37.40	ug/l	100
11) Tert butyl alcohol	3.07	59	156662	239.52	ug/l	100
12) 1,1-Dichloroethene	2.38	96	72360	45.83	ug/l	94
13) Acrolein	2.30	56	39693	193.56	ug/l	98
14) Allyl chloride	2.73	41	134839	48.35	ug/l	98
15) Acrylonitrile	3.15	53	310557	234.43	ug/l	99
16) Acetone	2.45	43	374589	236.81	ug/l	99
17) Carbon Disulfide	2.57	76	184651	43.96	ug/l	100
18) Methyl Acetate	2.78	43	162924	49.13	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	276571	47.36	ug/l	99
20) Methylene Chloride	2.86	84	82108	44.94	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	78864	44.78	ug/l	96
22) Diisopropyl ether	3.88	45	270506	54.80	ug/l	96
23) Vinyl Acetate	3.83	43	1295648	276.90	ug/l	98
24) 1,1-Dichloroethane	3.70	63	145800	46.98	ug/l	99
25) 2-Butanone	4.71	43	408641	229.83	ug/l	99
26) 2,2-Dichloropropane	4.59	77	100388	46.15	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	72770	44.21	ug/l	98
28) Bromochloromethane	5.03	49	83288	65.08	ug/l	98
29) Tetrahydrofuran	5.17	42	271050	247.77	ug/l	99
30) Chloroform	5.22	83	150448	51.73	ug/l	97
31) Cyclohexane	5.58	56	117428	48.95	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	131959	50.29	ug/l	99
36) 1,1-Dichloropropene	5.81	75	110240	51.02	ug/l	99
37) Ethyl Acetate	4.87	43	141009	47.78	ug/l	100
38) Carbon Tetrachloride	5.79	117	115870	51.12	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	141032	53.67	ug/l	98
40) Benzene	6.15	78	329552	52.52	ug/l	98
41) Methacrylonitrile	5.07	41	74764	48.05	ug/l	97
42) 1,2-Dichloroethane	6.20	62	126687	51.46	ug/l	98
43) Isopropyl Acetate	6.48	43	234006	53.26	ug/l	100
44) Trichloroethene	7.22	130	95145	52.93	ug/l	95
45) 1,2-Dichloropropane	7.52	63	87054	54.20	ug/l	98
46) Dibromomethane	7.67	93	66033	52.38	ug/l	98
47) Bromodichloromethane	7.91	83	124771	56.25	ug/l	99
48) Methyl methacrylate	7.79	41	115827	54.30	ug/l	100
49) 1,4-Dioxane	7.77	88	49962	1114.39	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	895718	263.40	ug/l	100
52) Toluene	8.79	92	220128	50.18	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	141442	55.03	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	135969	54.54	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	93948	52.08	ug/l	98
56) Ethyl methacrylate	9.19	69	145049	53.06	ug/l	99
57) 1,3-Dichloropropane	9.38	76	152055	52.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	279795	213.27	ug/l	99
59) 2-Hexanone	9.51	43	766716	265.53	ug/l	100
60) Dibromochloromethane	9.59	129	101827	47.89	ug/l	99
61) 1,2-Dibromoethane	9.68	107	102876	53.18	ug/l	99
64) Tetrachloroethene	9.34	164	89355	50.16	ug/l	96
65) Chlorobenzene	10.15	112	266127	52.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	93827	54.07	ug/l	99
67) Ethyl Benzene	10.26	91	456370	52.69	ug/l	99
68) m/p-Xylenes	10.37	106	377608	110.80	ug/l	100
69) o-Xylene	10.71	106	176758	53.57	ug/l	97
70) Styrene	10.72	104	310591	56.88	ug/l	97
71) Bromoform	10.87	173	86122	47.86	ug/l #	98
73) Isopropylbenzene	11.02	105	501178	46.93	ug/l	100
74) N-amyl acetate	6.48	43	234006	50.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	183237	48.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	162411m	46.89	ug/l	
77) Bromobenzene	11.26	156	127774	44.92	ug/l	99
78) n-propylbenzene	11.37	91	617376	48.49	ug/l	100
79) 2-Chlorotoluene	11.43	91	348792	47.42	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	460529	51.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	54992	51.40	ug/l	96
82) 4-Chlorotoluene	11.52	91	442136	50.34	ug/l	99
83) tert-Butylbenzene	11.78	119	452857	50.01	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	472307	50.17	ug/l	99
85) sec-Butylbenzene	11.96	105	572258	51.07	ug/l	100
86) p-Isopropyltoluene	12.07	119	527057	52.96	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	264206	49.12	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	282783	50.08	ug/l	98
89) n-Butylbenzene	12.40	91	494483	53.37	ug/l	100
90) Hexachloroethane	12.60	117	82069	52.40	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	271110	51.41	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48983	46.50	ug/l	97

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ClientSampleId :
VSTDCCC050

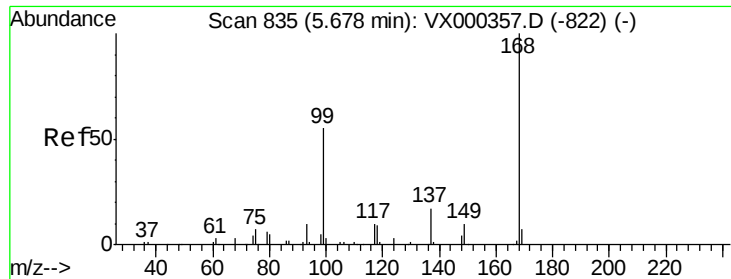
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	187086	49.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	82121	52.46	ug/l	98
95) Naphthalene	13.84	128	655297	49.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	188630	50.50	ug/l	99

(#) = 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: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 145671

Ion Ratio Lower Upper

168 100

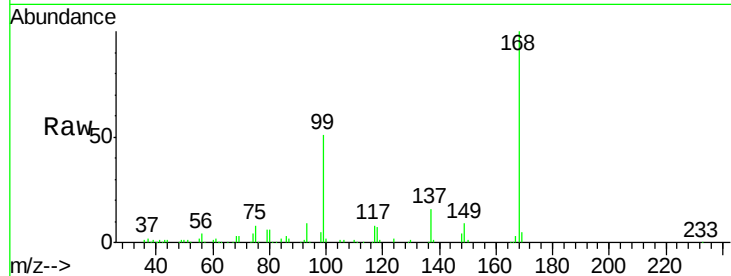
99 50.6 45.8 68.6

Manual Integrations

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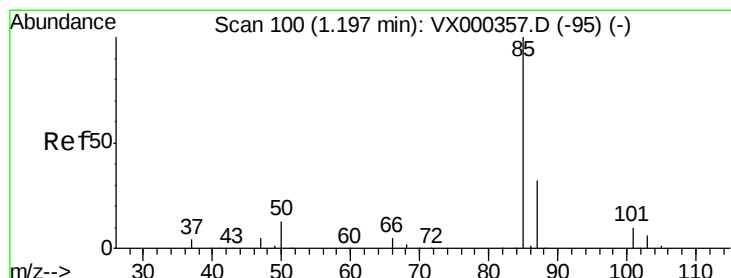
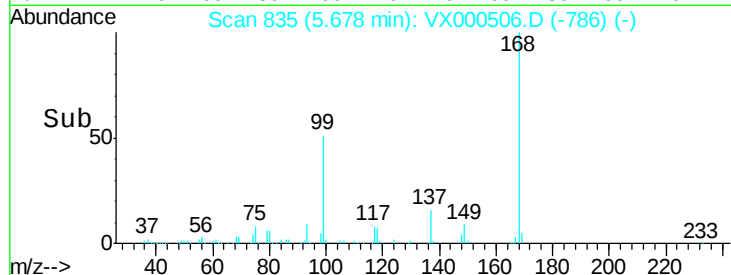
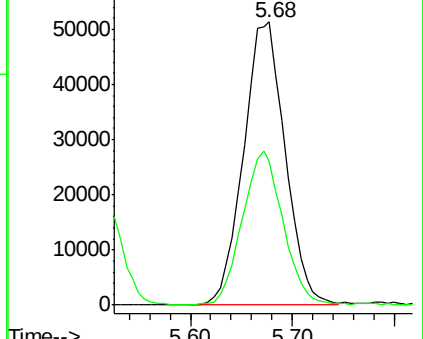
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.36 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000506.D

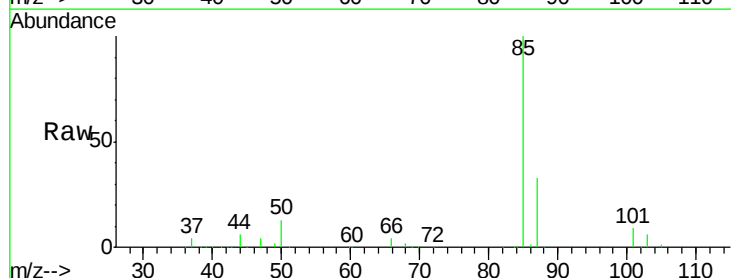
Acq: 29 Mar 2018 11:23

Tgt Ion: 85 Resp: 76032

Ion Ratio Lower Upper

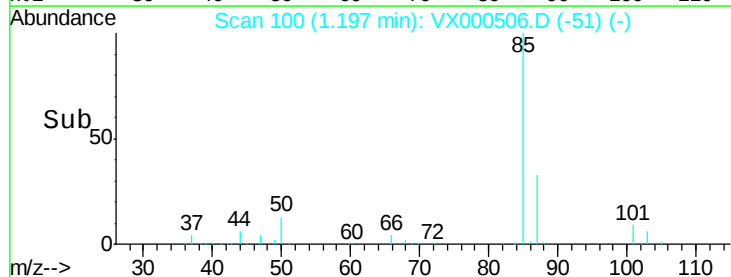
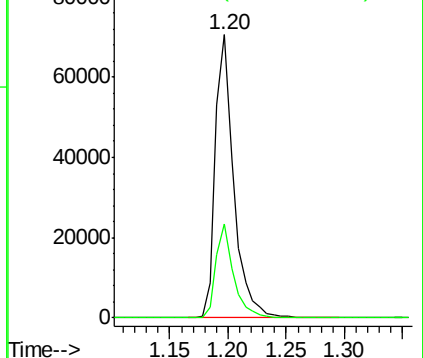
85 100

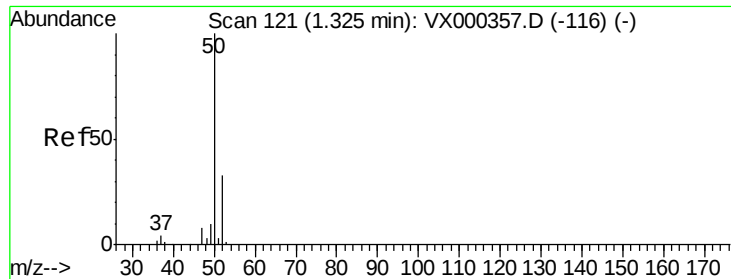
87 33.3 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 39.64 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 67047

Ion Ratio Lower Upper

50 100

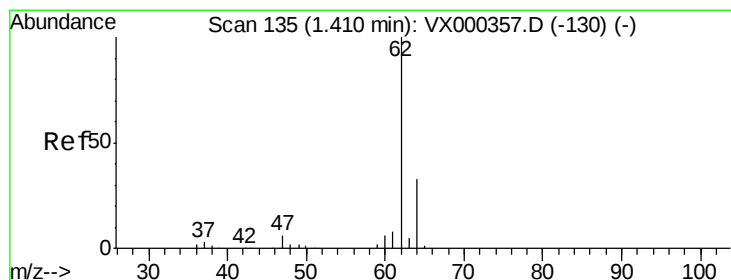
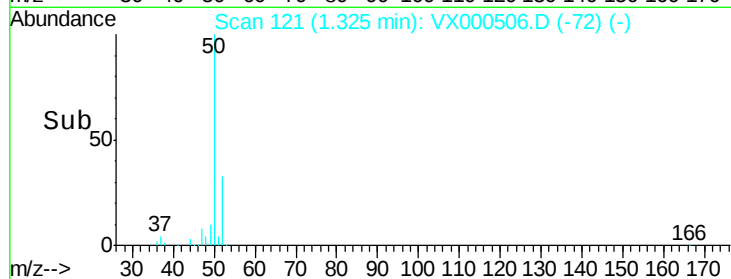
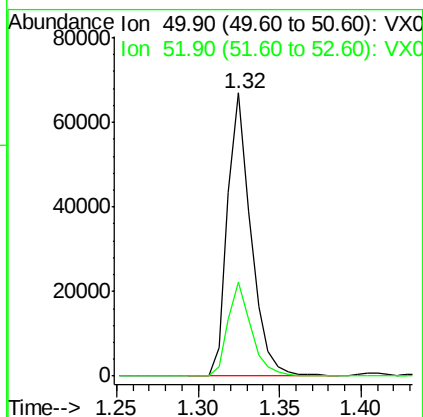
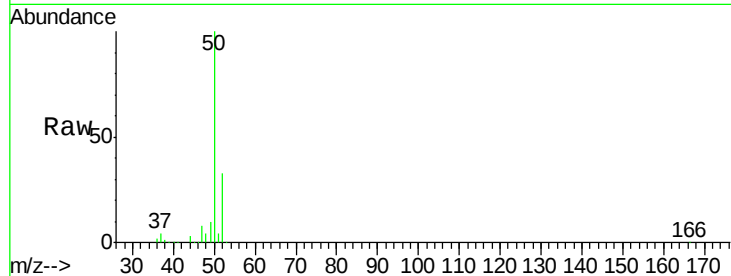
52 33.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 47.39 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000506.D

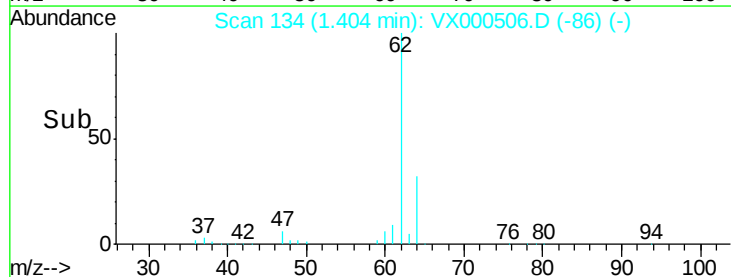
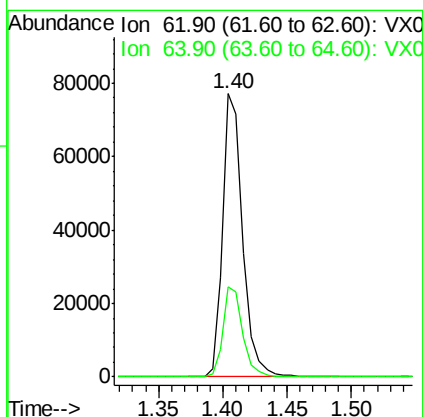
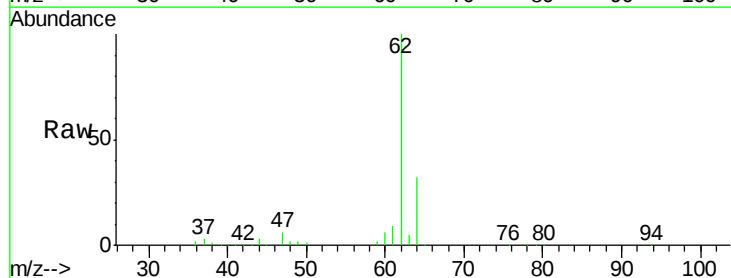
Acq: 29 Mar 2018 11:23

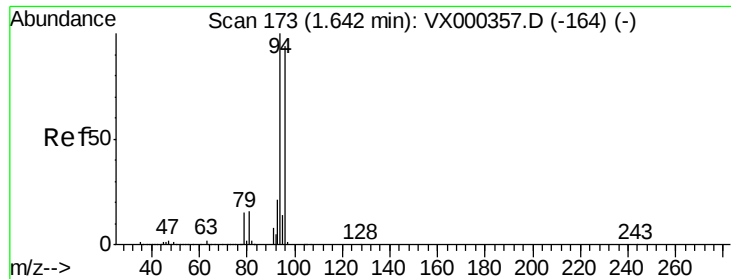
Tgt Ion: 62 Resp: 84686

Ion Ratio Lower Upper

62 100

64 31.8 24.8 37.2





#5

Bromomethane

Concen: 55.51 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 118786

Ion Ratio Lower Upper

94 100

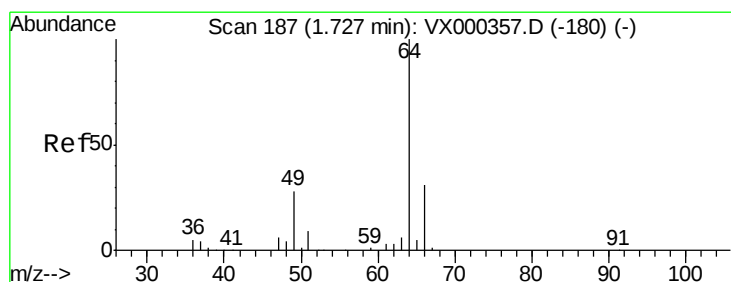
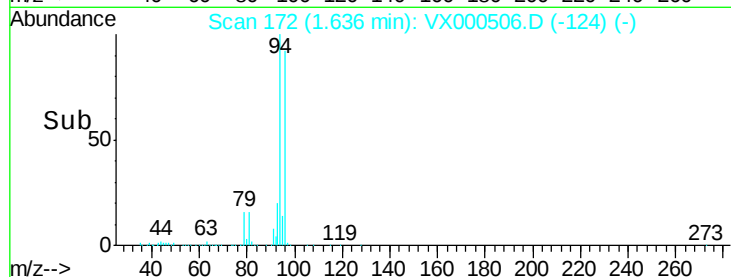
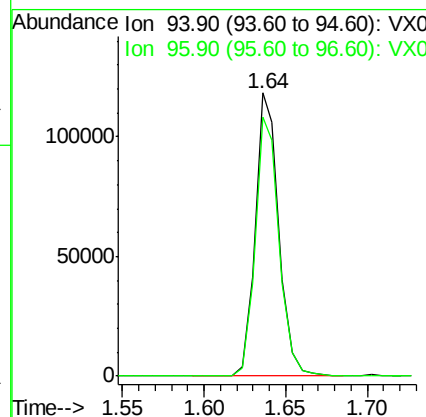
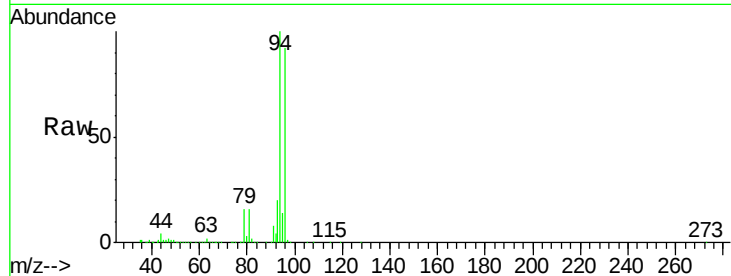
96 91.6 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 53.07 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000506.D

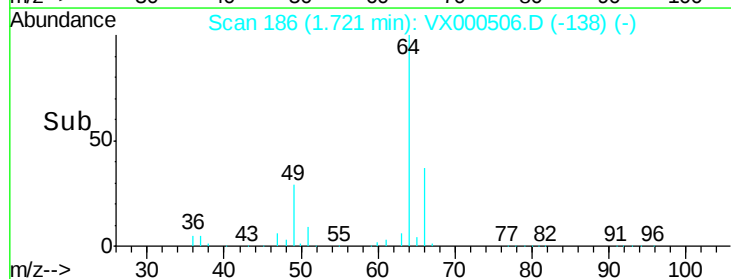
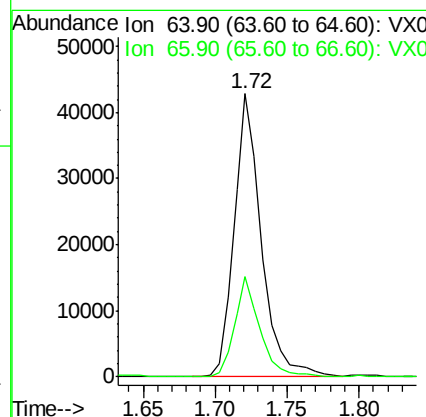
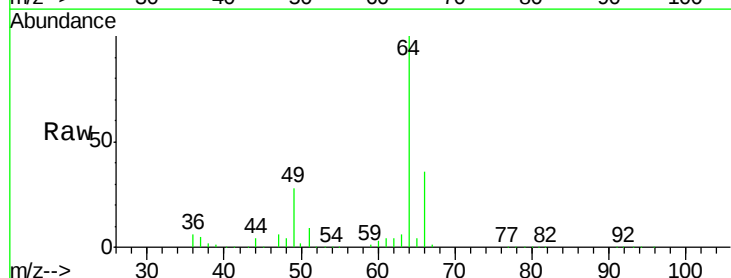
Acq: 29 Mar 2018 11:23

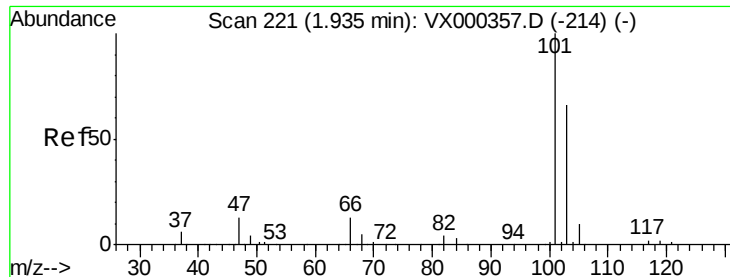
Tgt Ion: 64 Resp: 56586

Ion Ratio Lower Upper

64 100

66 35.4 24.8 37.2





#7

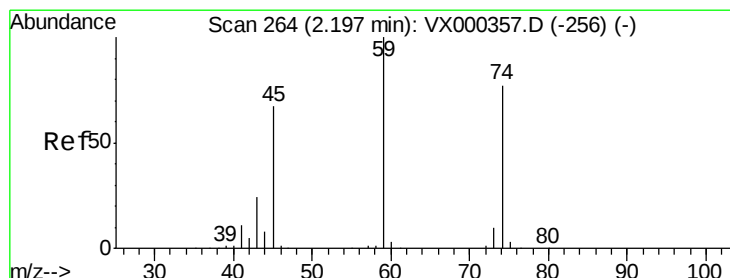
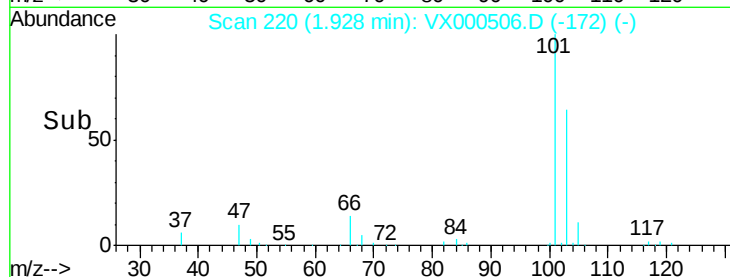
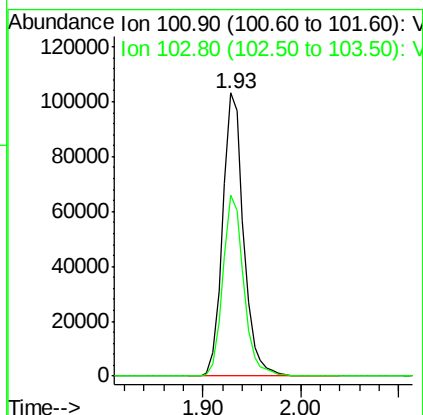
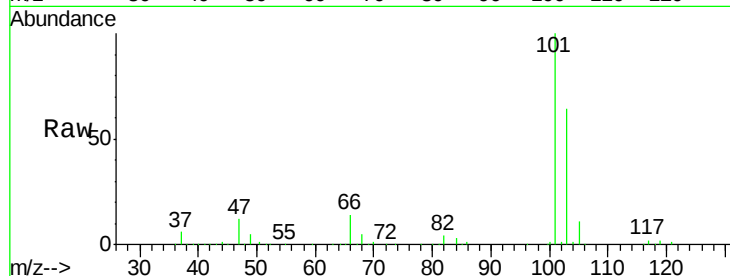
Trichlorofluoromethane
 Concen: 47.53 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.6	77.4

Manual Integrations
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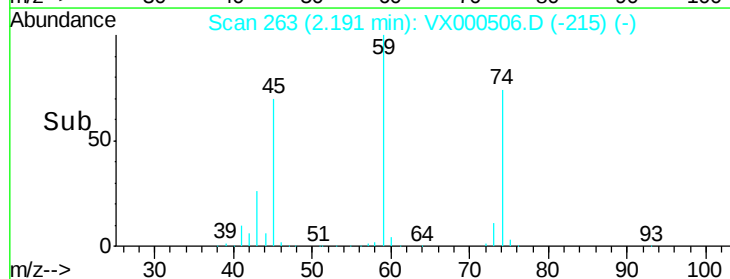
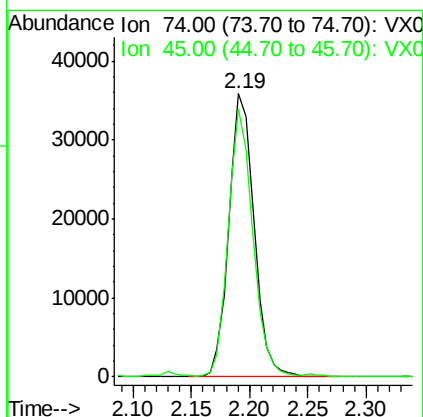
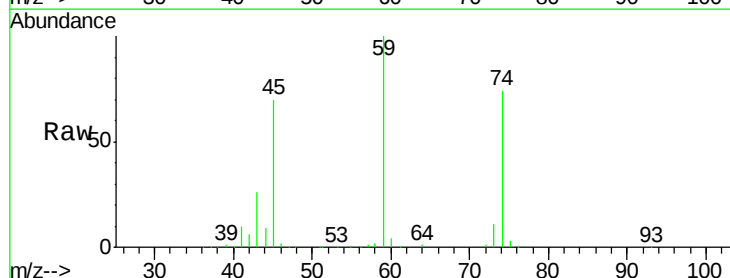
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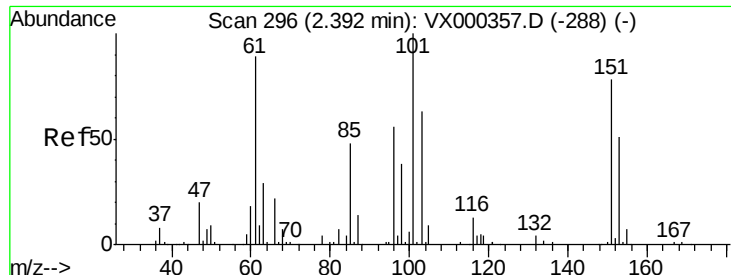


#8

Diethyl Ether
 Concen: 47.06 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.42 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

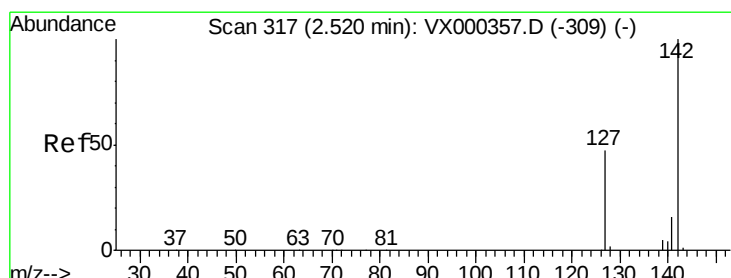
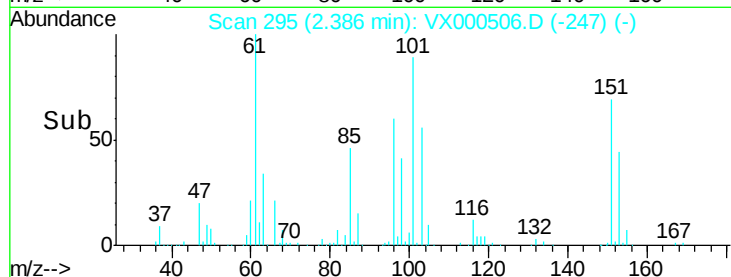
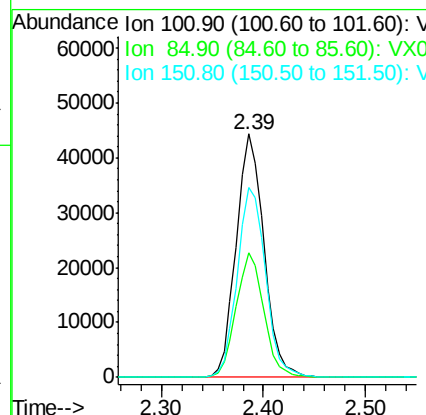
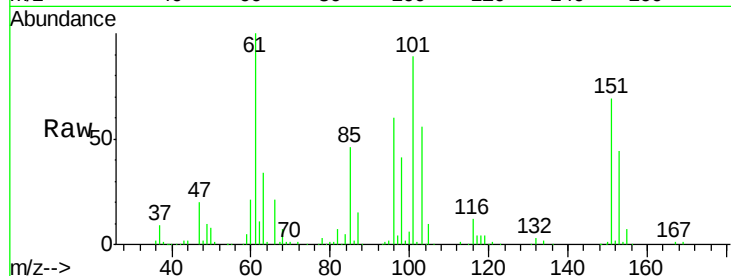
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	83493
Ion Ratio	Lower	Upper	
101	100		
85	50.8	37.6	56.4
151	79.6	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 37.40 ug/l

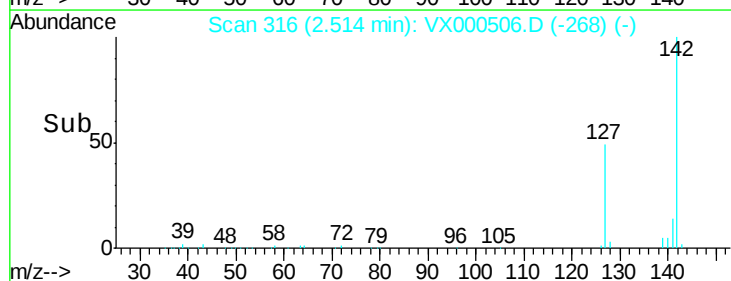
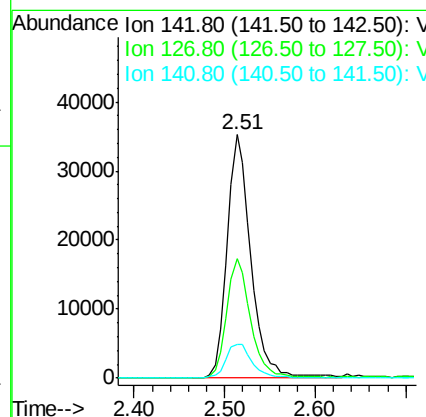
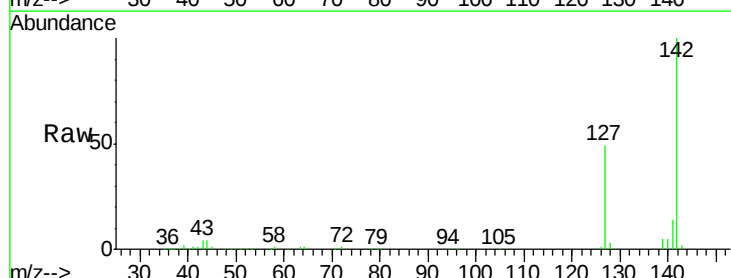
RT: 2.51 min Scan# 316

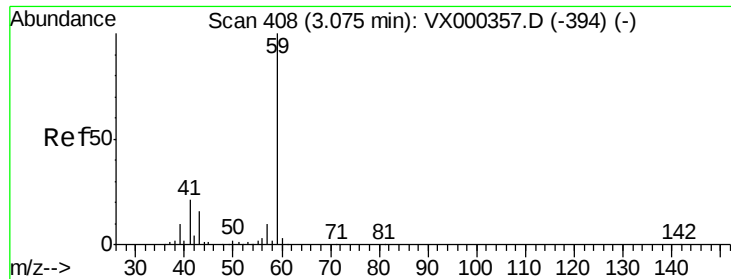
Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	142	Resp:	64556
Ion Ratio	Lower	Upper	
142	100		
127	49.0	39.2	58.8
141	15.1	11.7	17.5





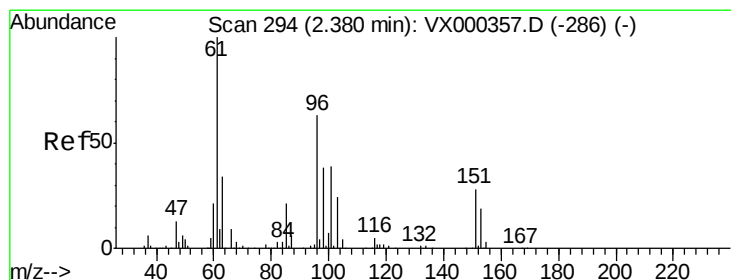
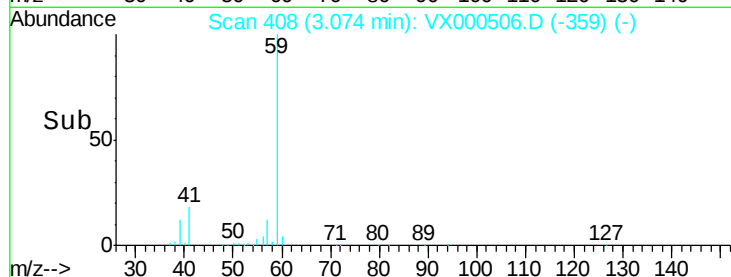
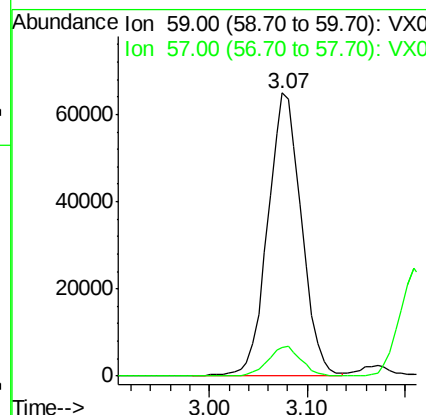
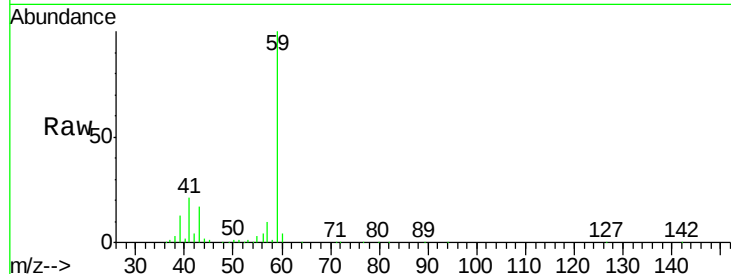
#11
Tert butyl alcohol
Concen: 239.52 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

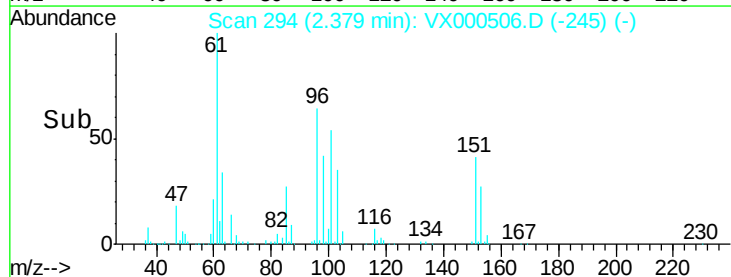
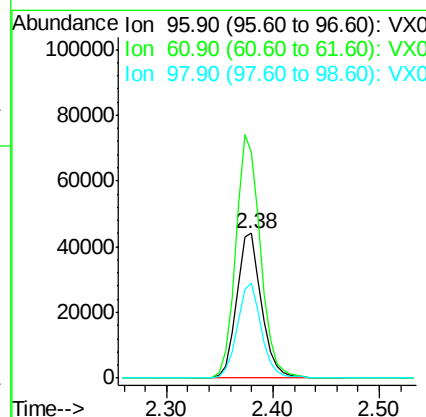
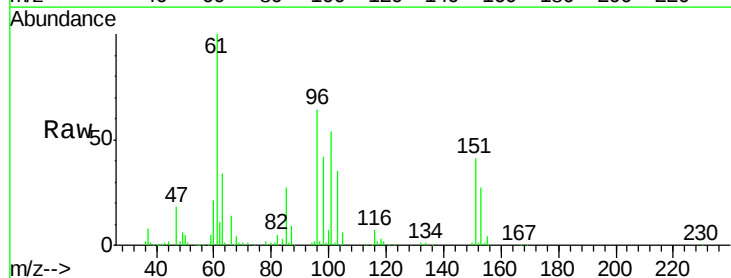
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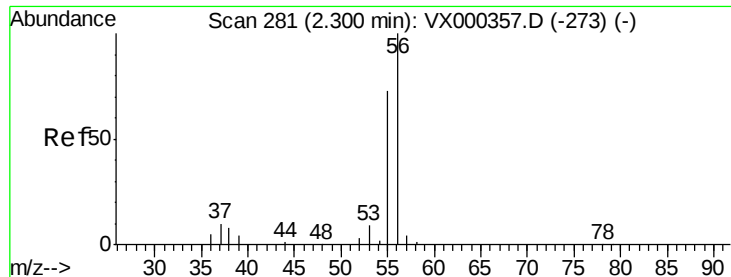
sam
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#12
1,1-Dichloroethene
Concen: 45.83 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	131.2	196.8
98	65.6	49.8	74.8





#13

Acrolein

Concen: 193.56 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39693

Ion Ratio Lower Upper

56 100

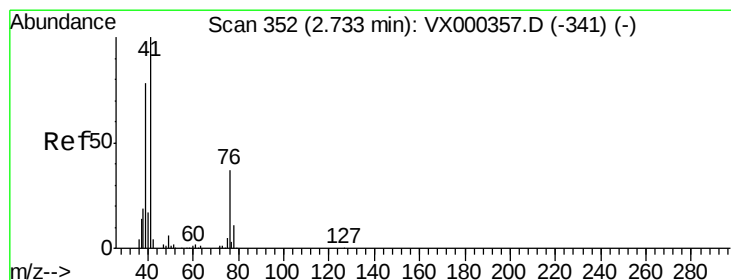
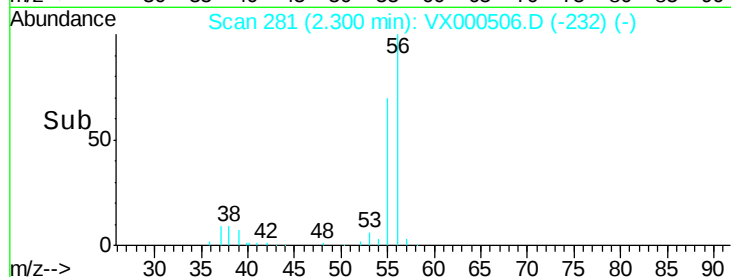
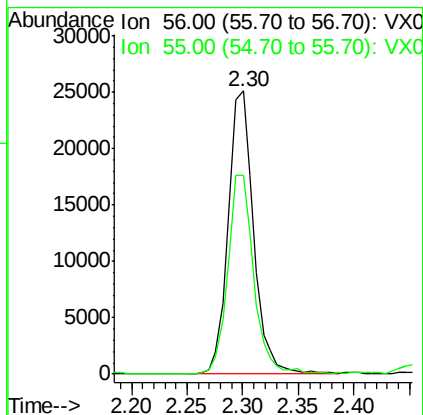
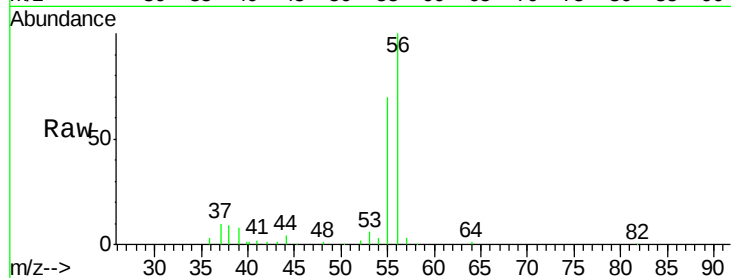
55 72.1 58.8 88.2

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#14

Allyl chloride

Concen: 48.35 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

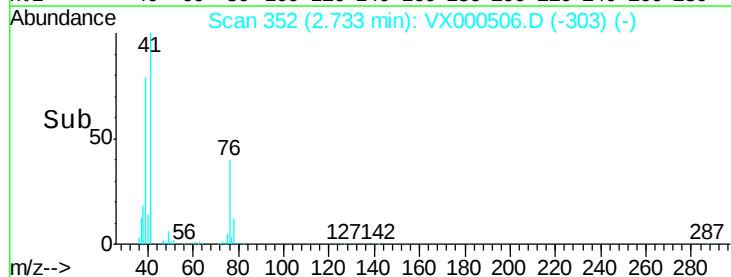
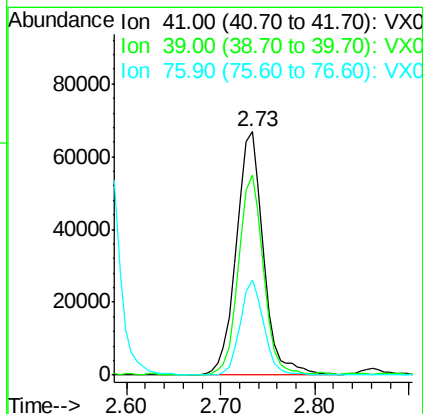
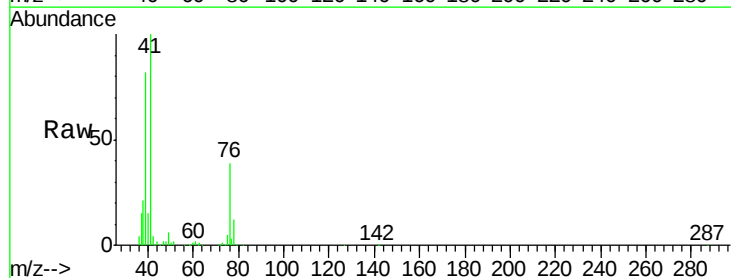
Tgt Ion: 41 Resp: 134839

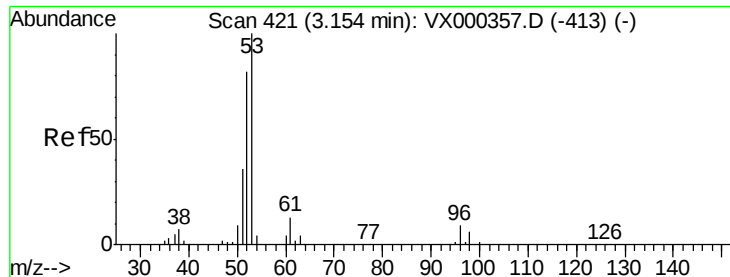
Ion Ratio Lower Upper

41 100

39 74.7 57.6 86.4

76 33.6 27.3 40.9





#15

Acrylonitrile

Concen: 234.43 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

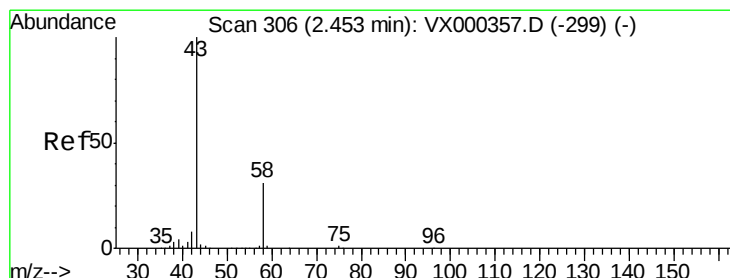
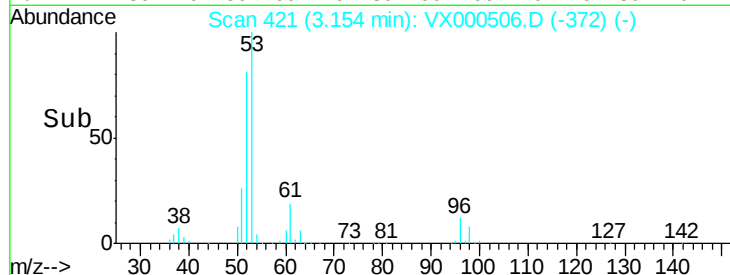
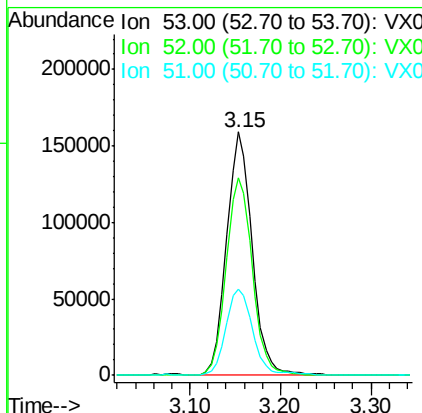
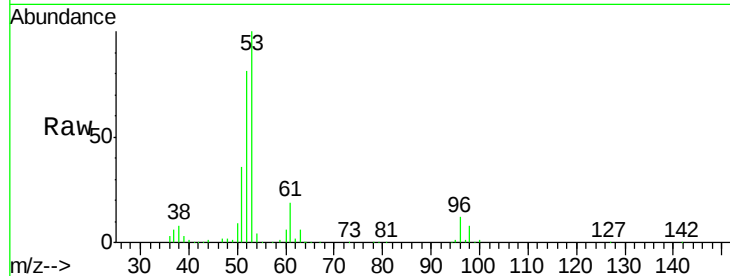
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	310557
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.6	99.8
51	37.4	29.3	43.9

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#16

Acetone

Concen: 236.81 ug/l

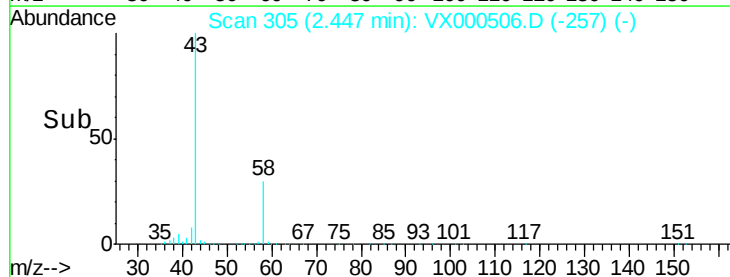
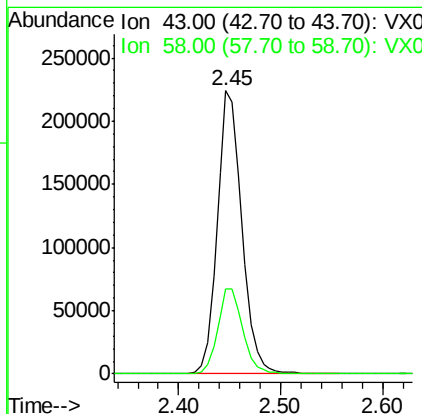
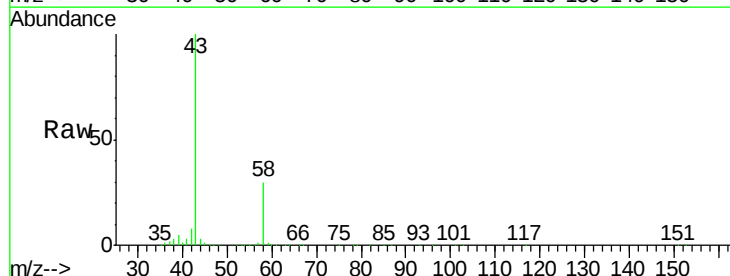
RT: 2.45 min Scan# 305

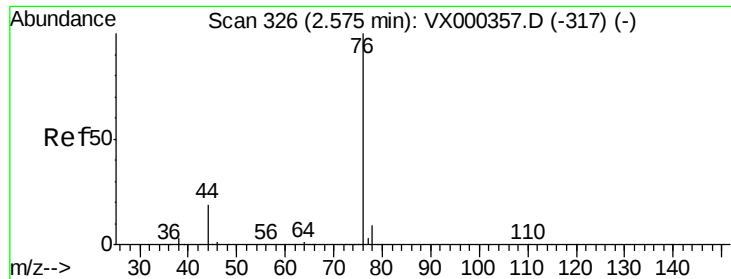
Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	43	Resp:	374589
Ion Ratio		Lower	Upper
43	100		
58	30.1	24.7	37.1





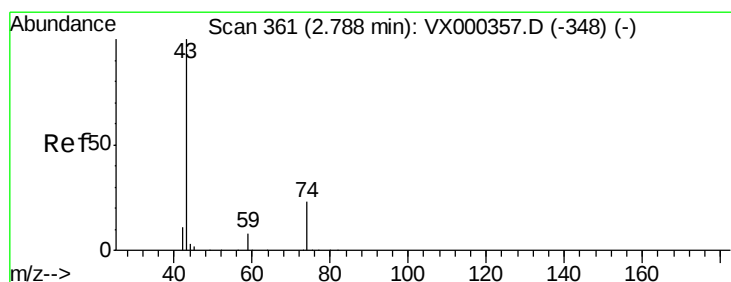
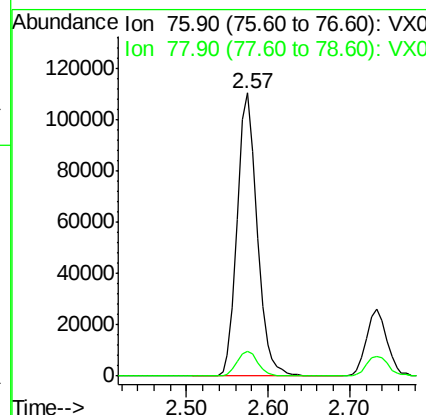
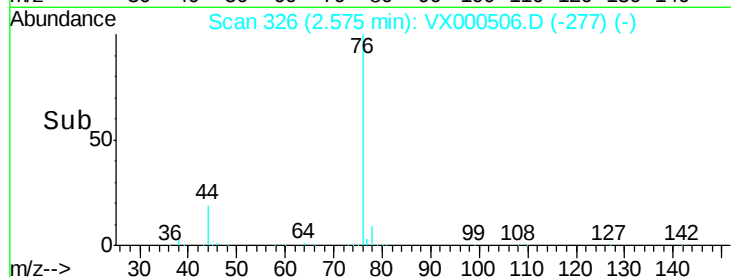
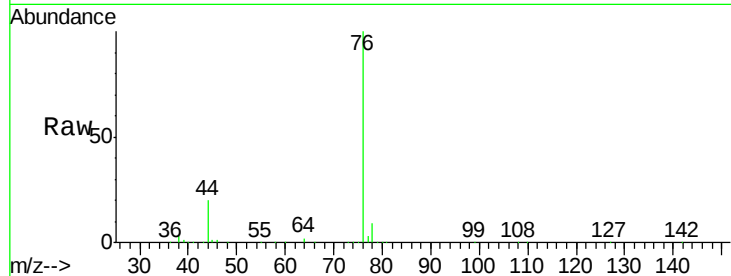
#17
Carbon Disulfide
Concen: 43.96 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

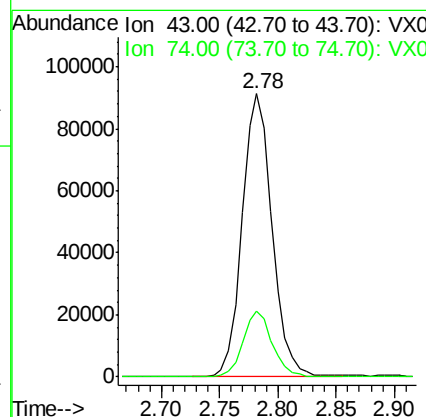
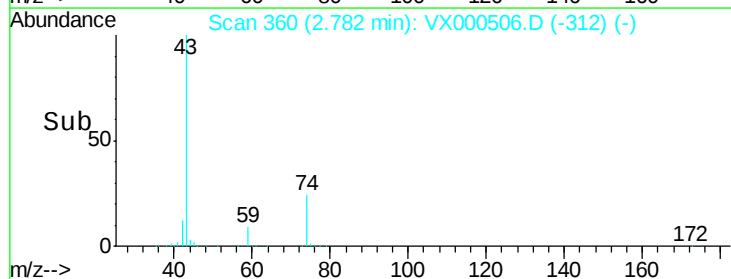
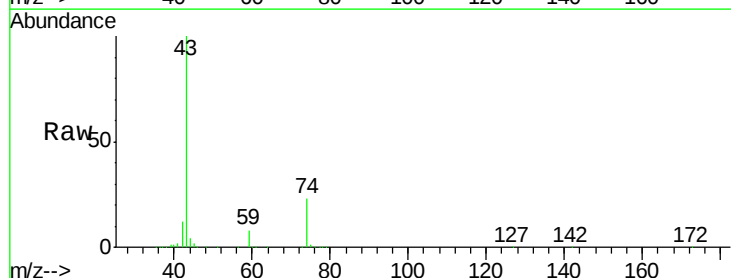
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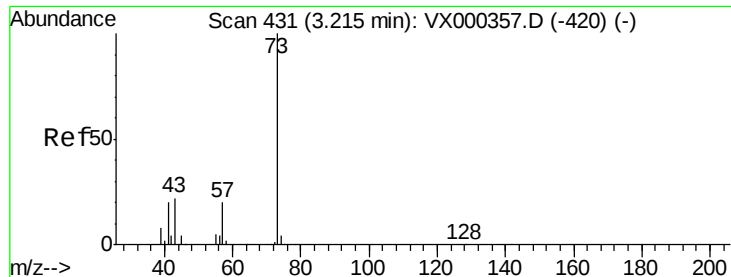
sam
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#18
Methyl Acetate
Concen: 49.13 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





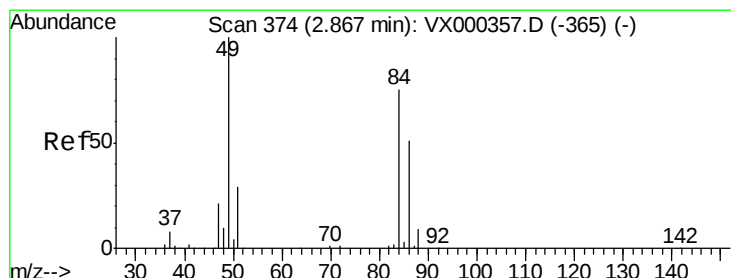
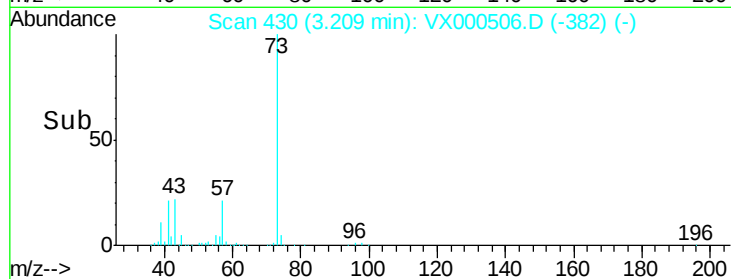
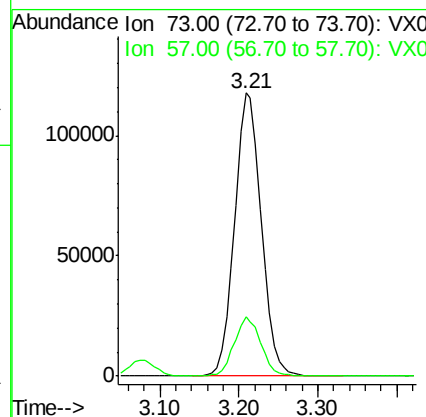
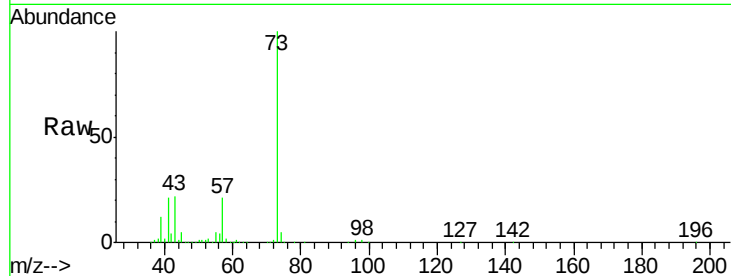
#19
Methvl tert-butvl Ether
Concen: 47.36 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 276571
Ion Ratio Lower Upper
73 100
57 21.1 17.2 25.8

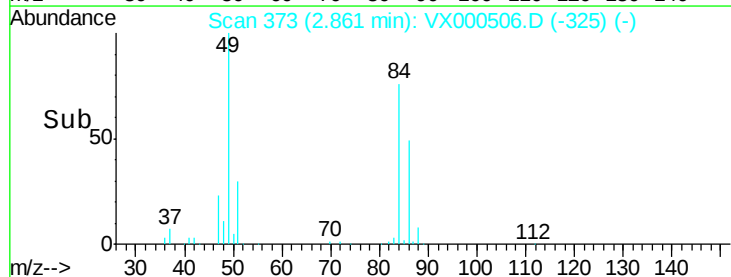
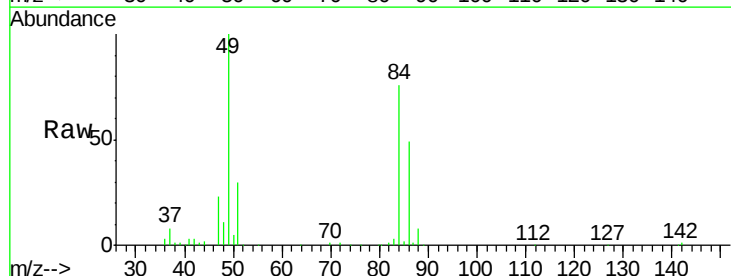
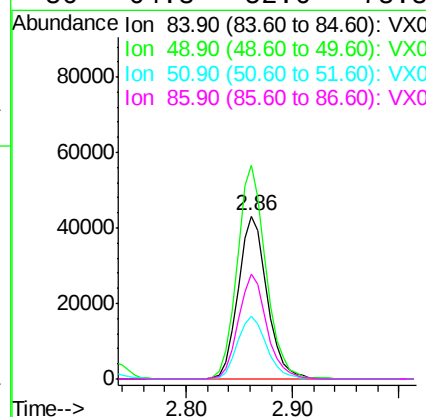
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#20
Methylene Chloride
Concen: 44.94 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion: 84 Resp: 82108
Ion Ratio Lower Upper
84 100
49 131.0 100.6 151.0
51 38.9 31.6 47.4
86 64.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 44.78 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

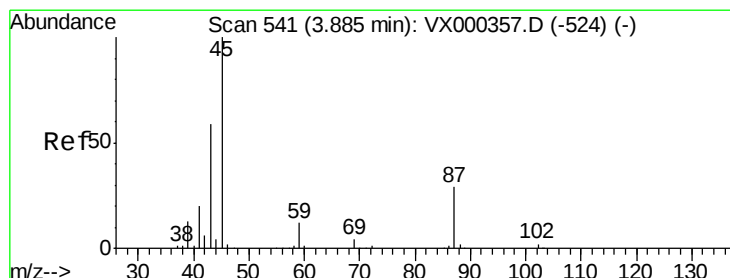
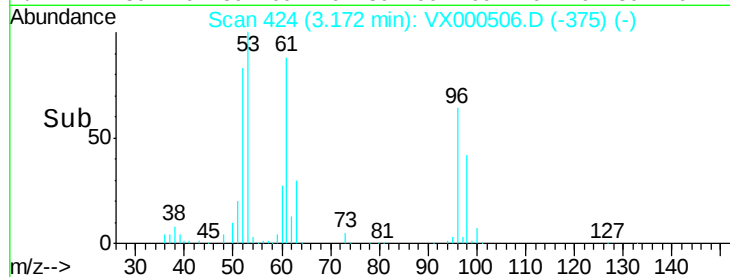
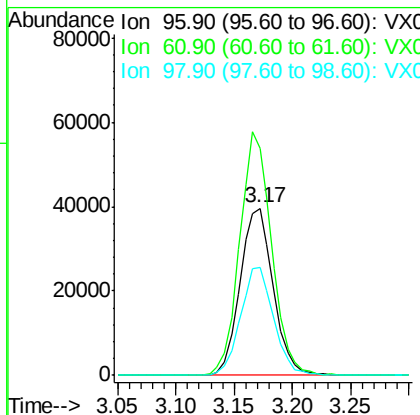
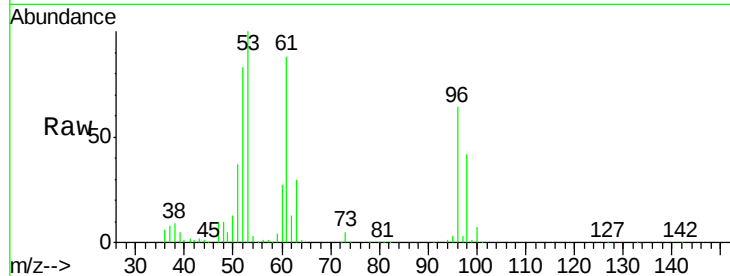
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	78864
Ion	Ratio	Lower	Upper
96	100		
61	136.2	104.0	156.0
98	64.5	52.1	78.1

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#22

Diisopropyl ether

Concen: 54.80 ug/l

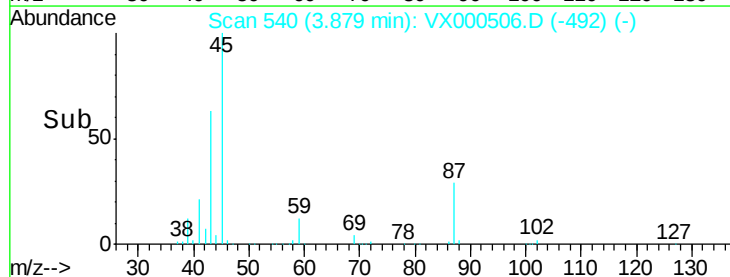
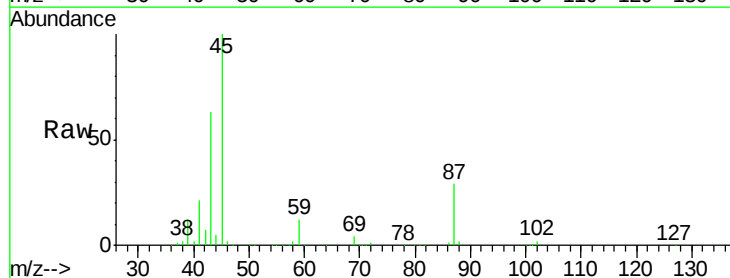
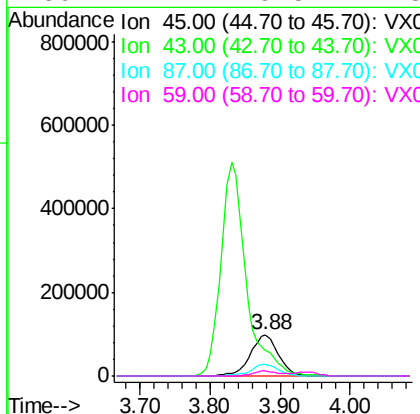
RT: 3.88 min Scan# 540

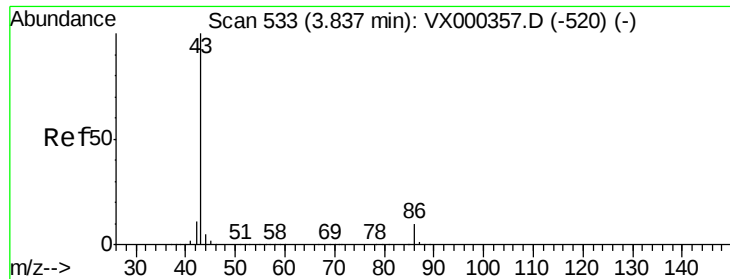
Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	45	Resp:	270506
Ion	Ratio	Lower	Upper
45	100		
43	63.0	53.9	80.9
87	28.7	22.6	34.0
59	12.4	9.5	14.3





#23

Vinyl Acetate

Concen: 276.90 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1295648

Ion Ratio Lower Upper

43 100

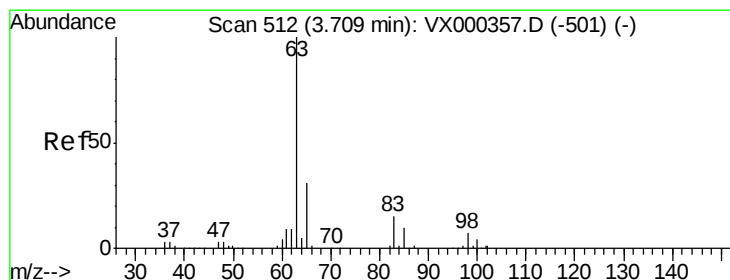
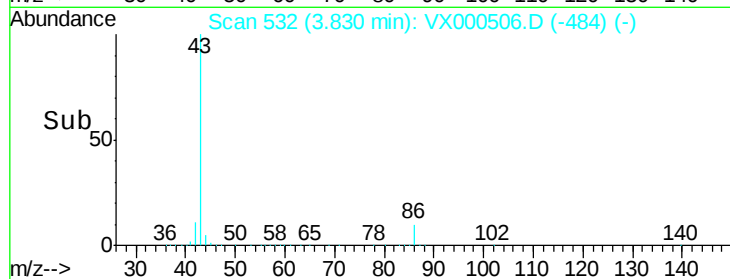
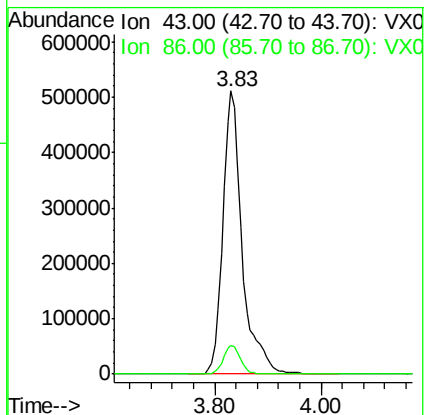
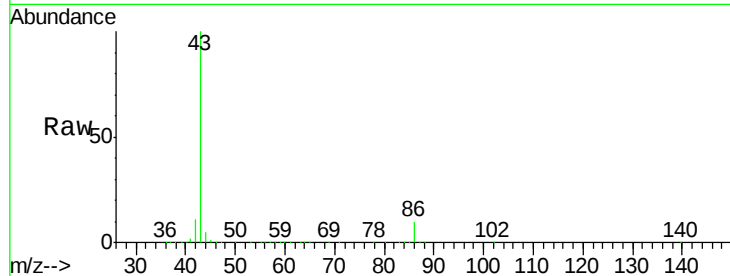
86 10.1 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 46.98 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

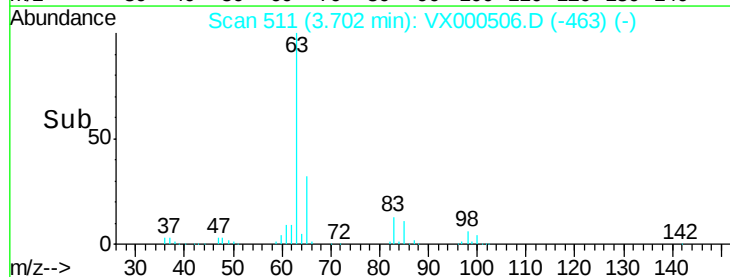
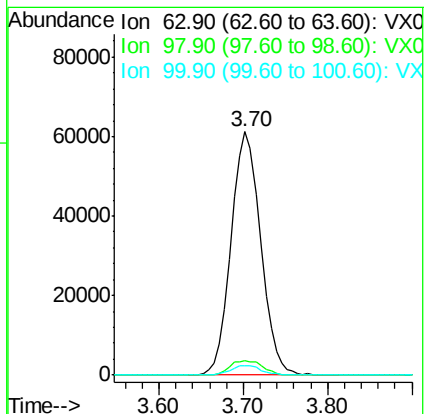
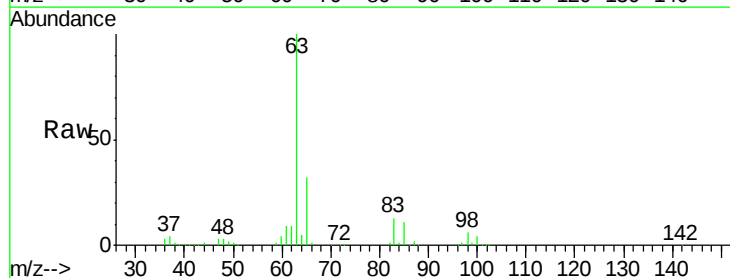
Tgt Ion: 63 Resp: 145800

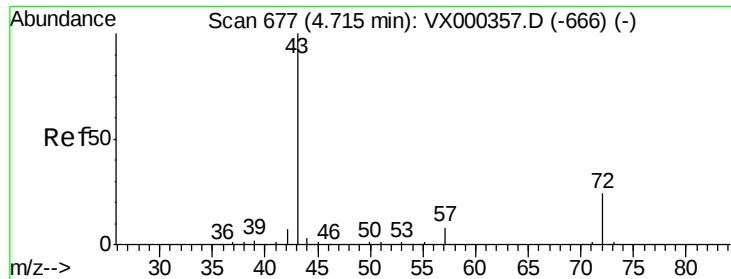
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 229.83 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 408641

Ion Ratio Lower Upper

43 100

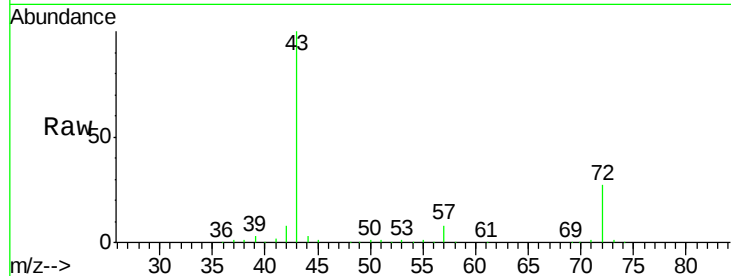
72 26.9 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

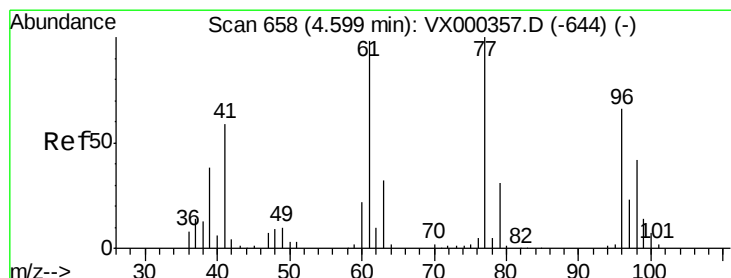
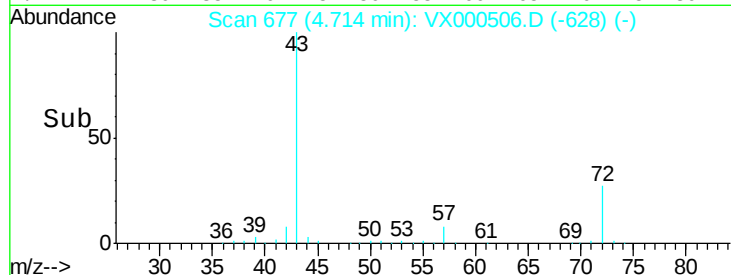
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.15 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000506.D

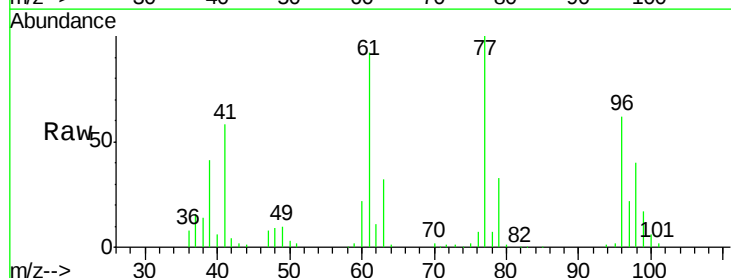
Acq: 29 Mar 2018 11:23

Tgt Ion: 77 Resp: 100388

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

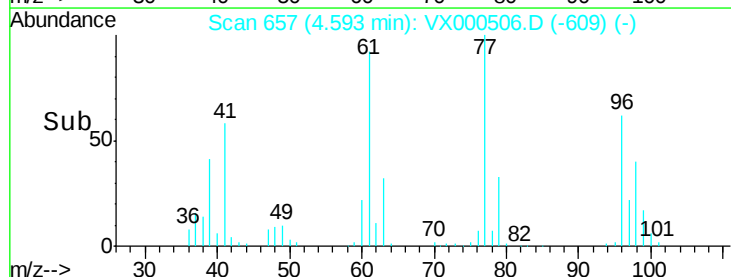
20000

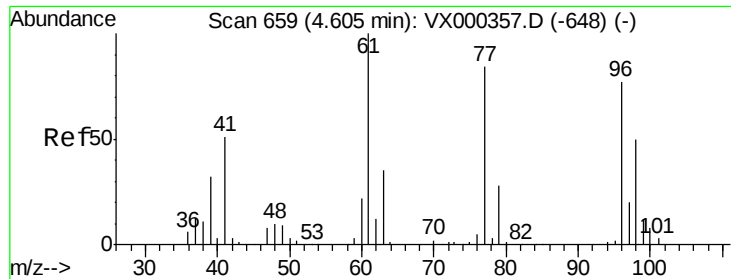
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 44.21 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

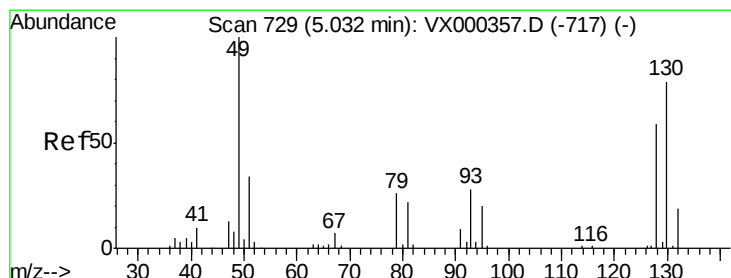
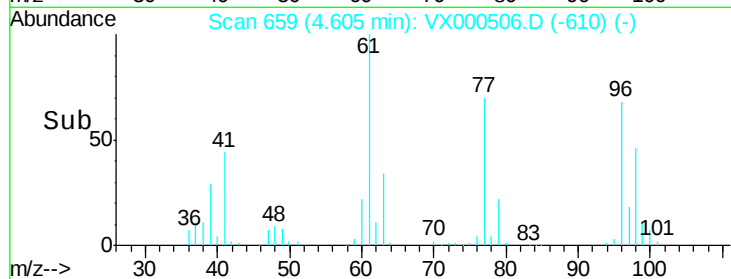
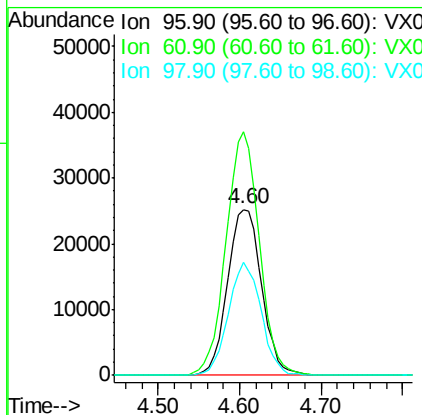
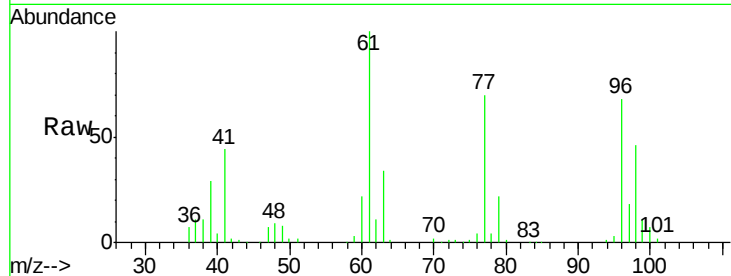
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	72770
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	291.6
98	64.9	0.0	132.0

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 65.08 ug/l

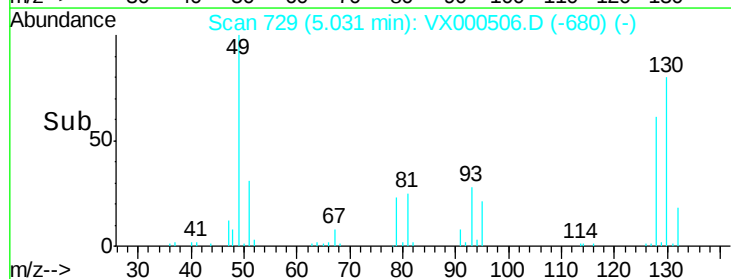
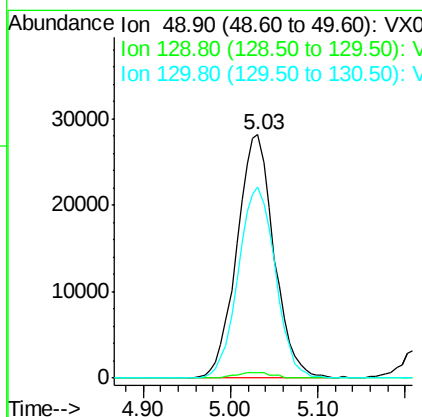
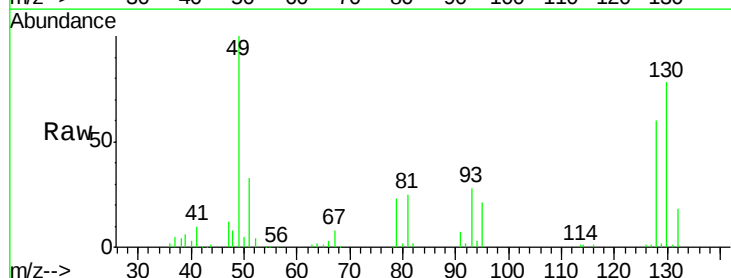
RT: 5.03 min Scan# 729

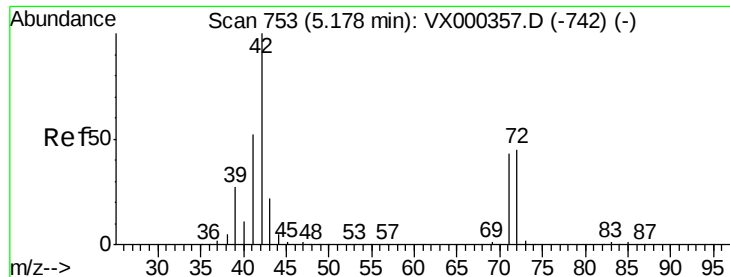
Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	49	Resp:	83288
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	78.5	64.0	96.0





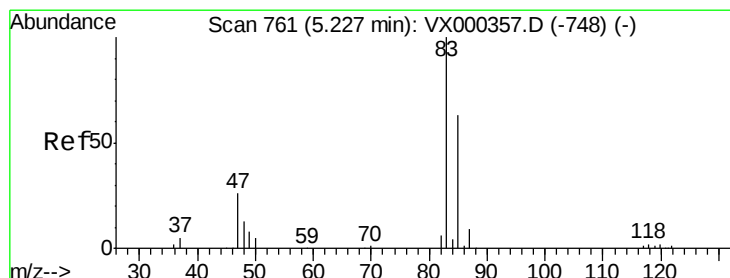
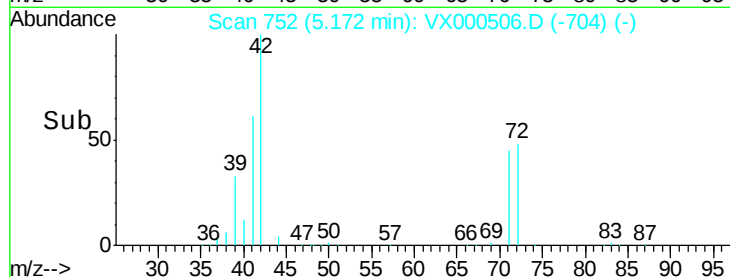
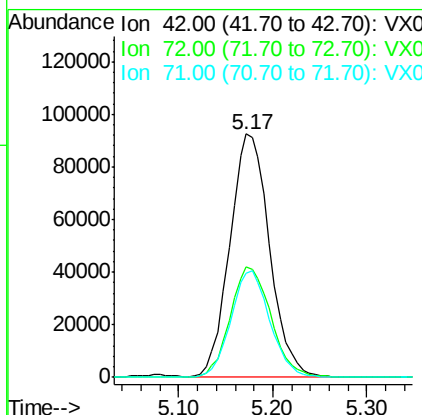
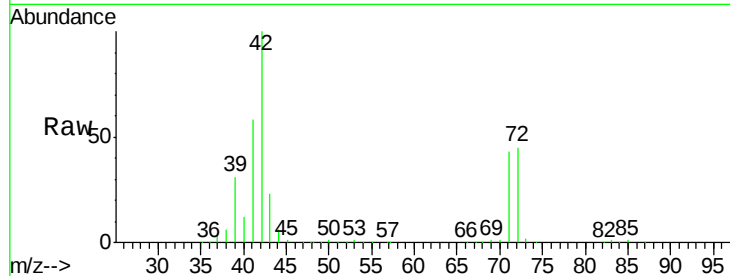
#29
Tetrahydrofuran
Concen: 247.77 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.9	56.9
71	43.3	34.4	51.6

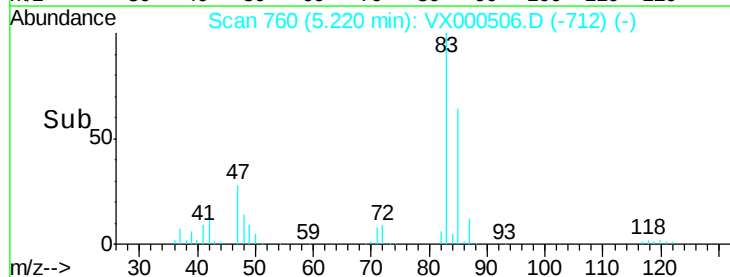
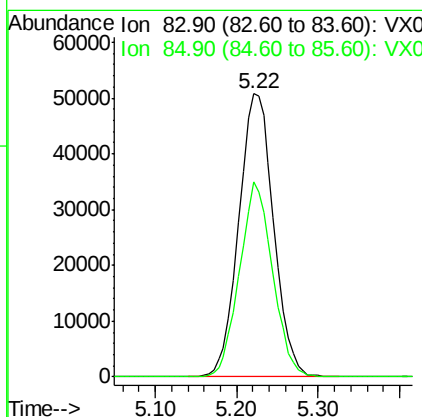
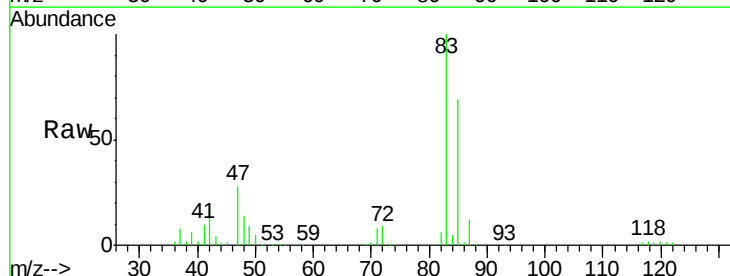
Manual Integrations
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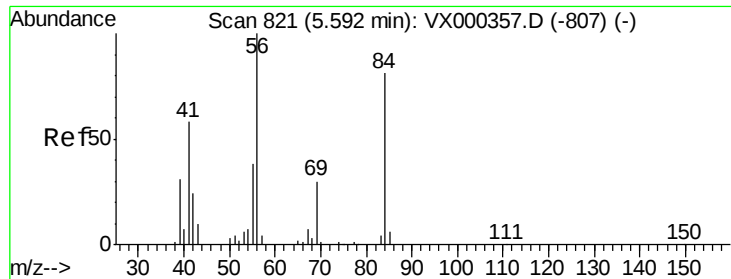
sam
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#30
Chloroform
Concen: 51.73 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.7	53.3	79.9





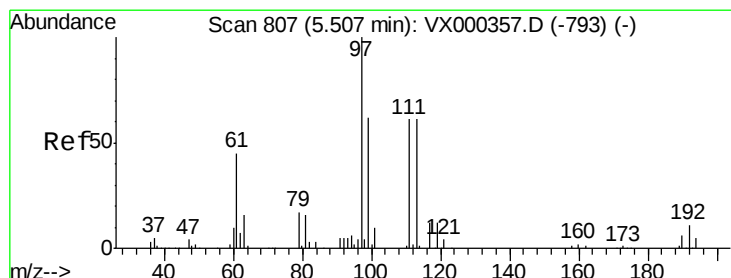
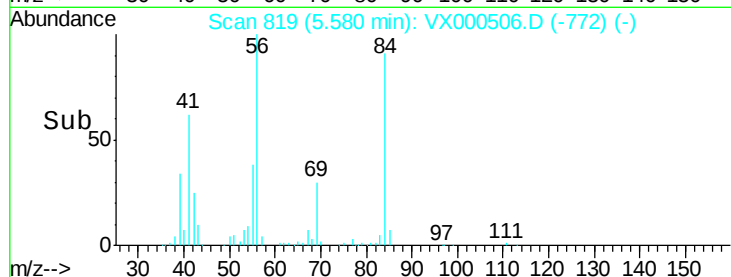
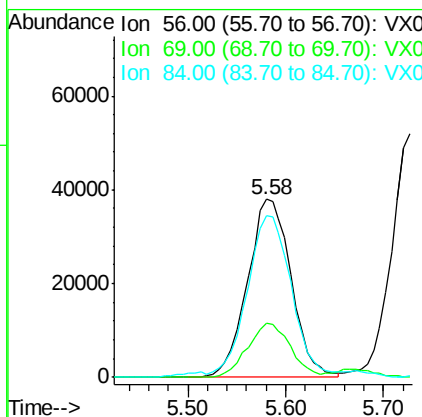
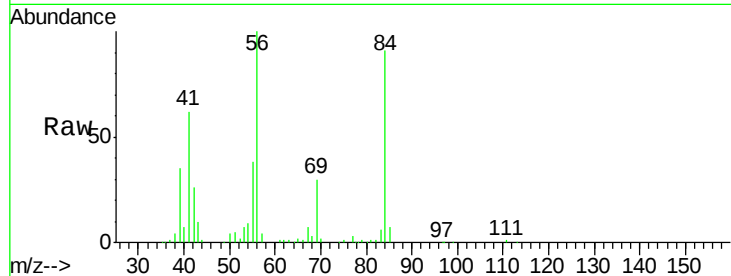
#31
Cyclohexane
Concen: 48.95 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.4	35.0
84	88.4	71.0	106.4

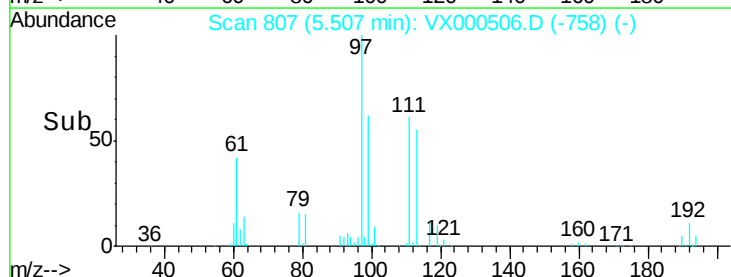
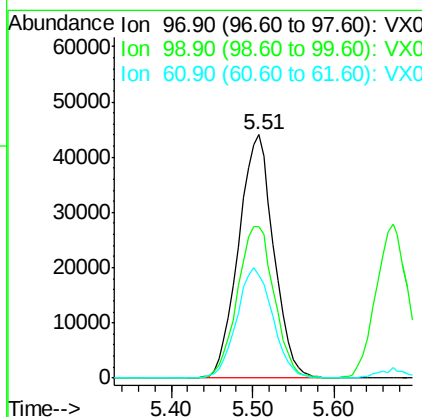
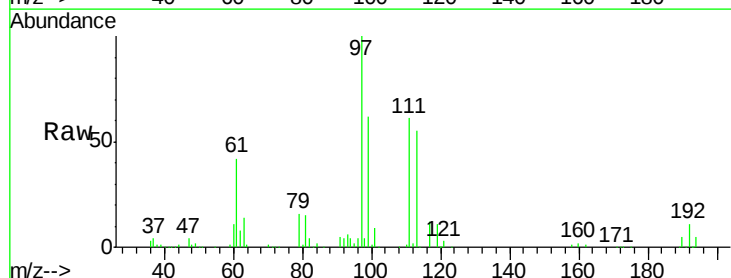
Manual Integrations
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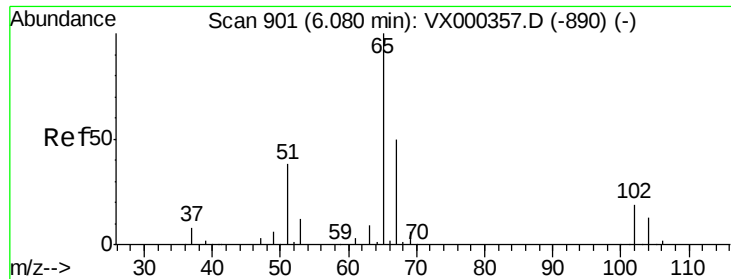
sam
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#32
1,1,1-Trichloroethane
Concen: 50.29 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	46.2	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 47.60 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 90504

Ion Ratio Lower Upper

65 100

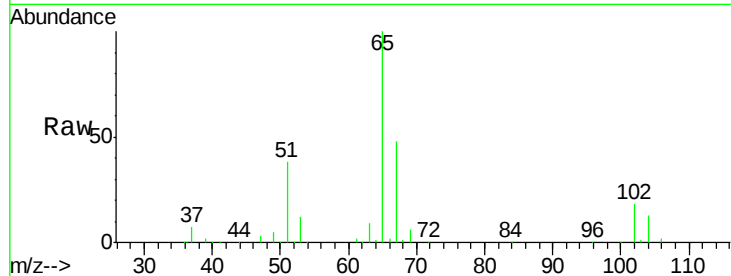
67 50.6 0.0 103.2

Manual Integrations

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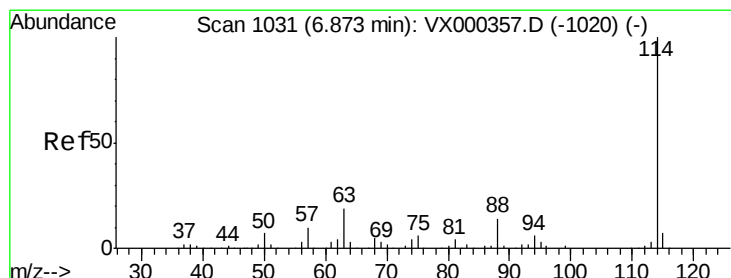
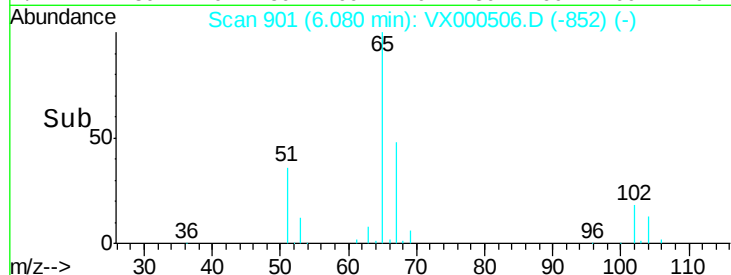
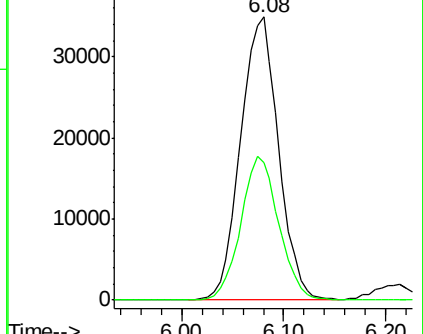
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

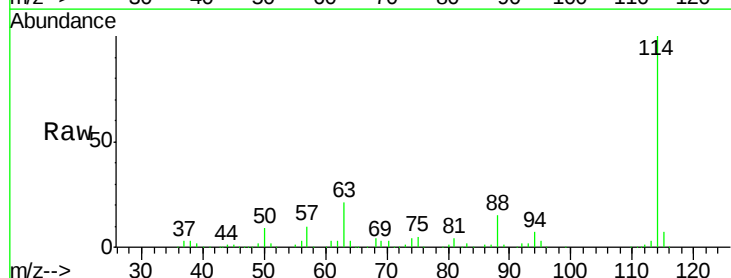
Tgt Ion: 114 Resp: 230667

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.4

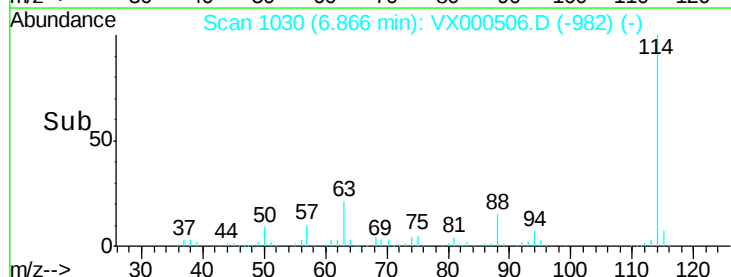
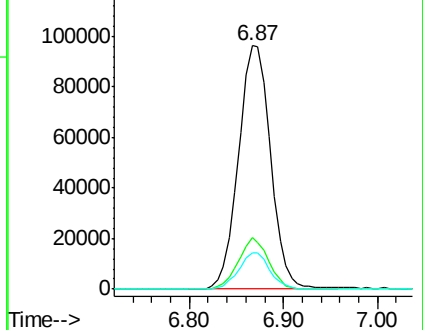
88 15.0 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.15 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 71438

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

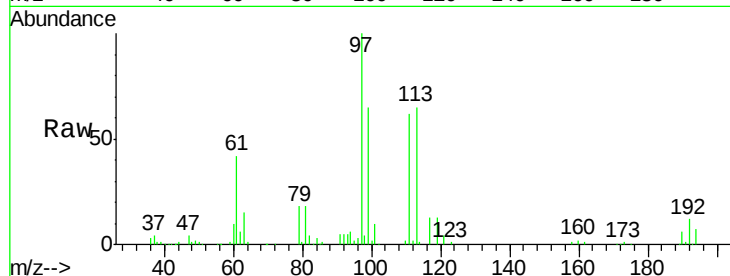
192 20.5 15.8 23.6

Manual Integrations

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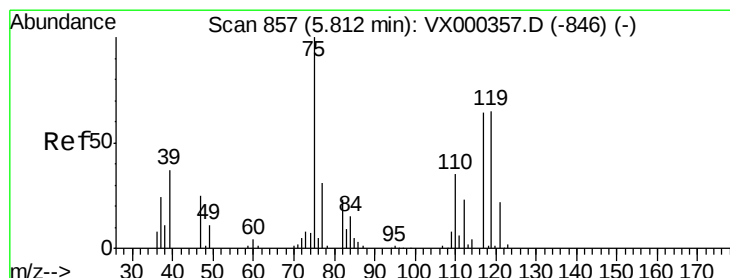
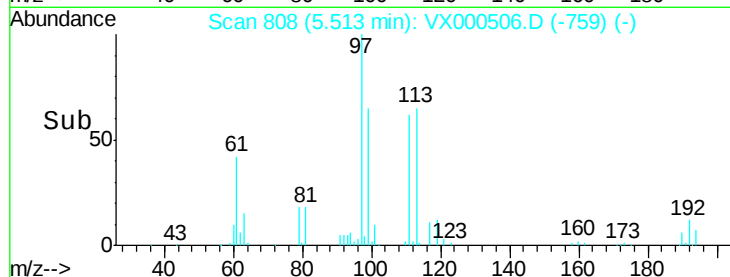
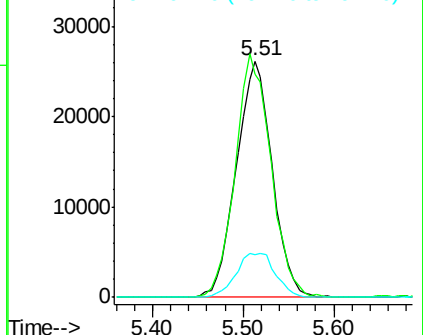
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.02 ug/l

RT: 5.81 min Scan# 857

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

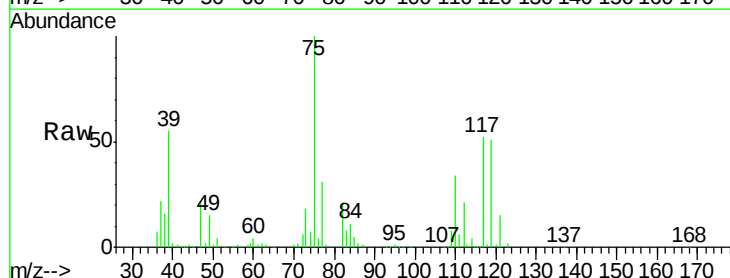
Tgt Ion: 75 Resp: 110240

Ion Ratio Lower Upper

75 100

110 36.0 17.9 53.7

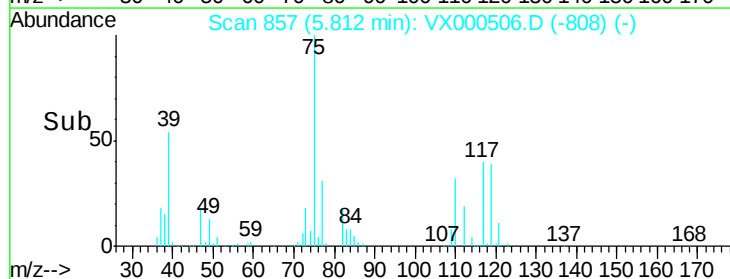
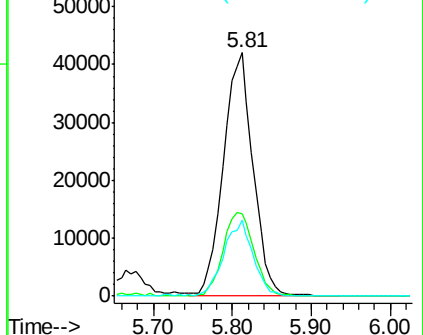
77 31.3 24.0 36.0

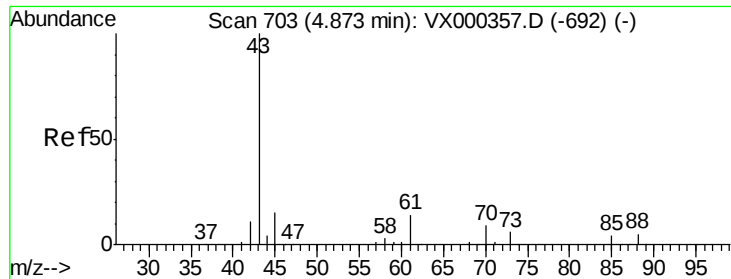


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





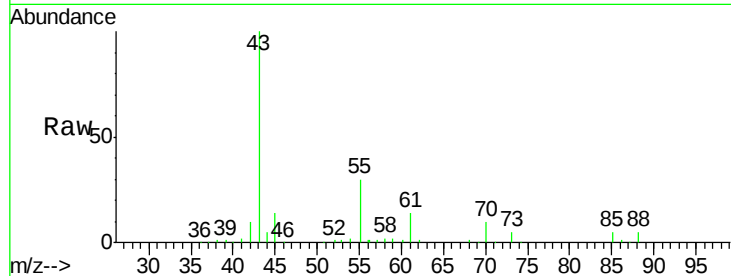
#37
Ethyl Acetate
Concen: 47.78 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

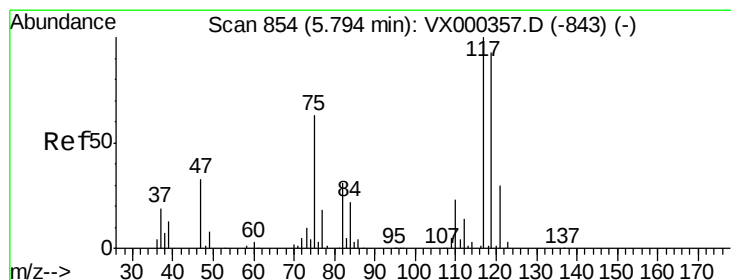
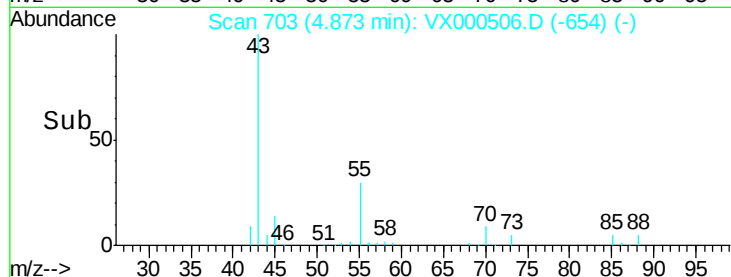
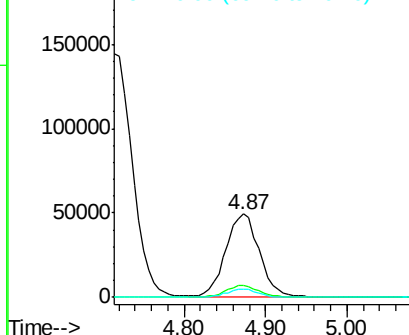
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	9.6	7.7	11.5

Manual Integrations
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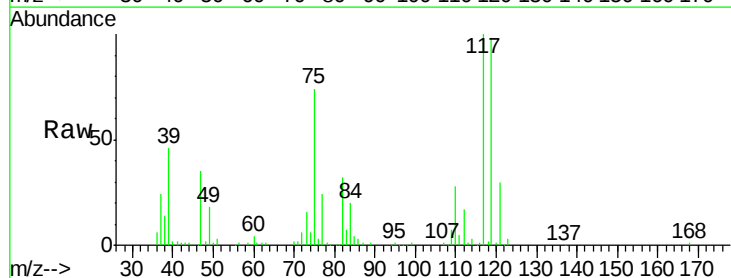


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

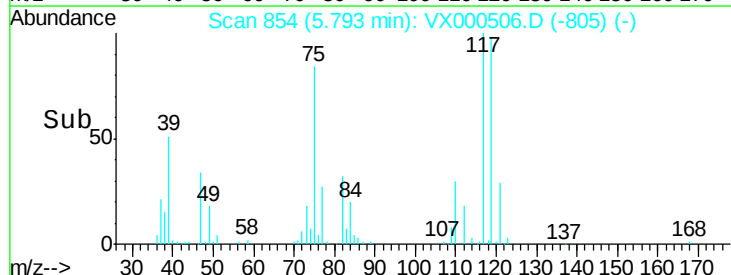
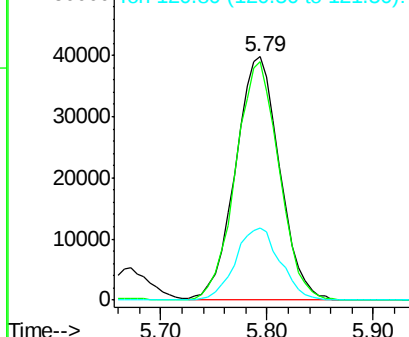


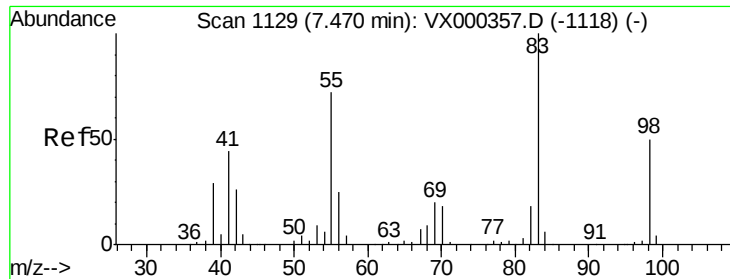
#38
Carbon Tetrachloride
Concen: 51.12 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.4	116.2
121	29.6	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





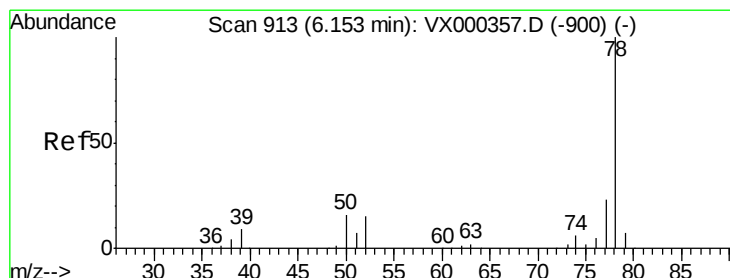
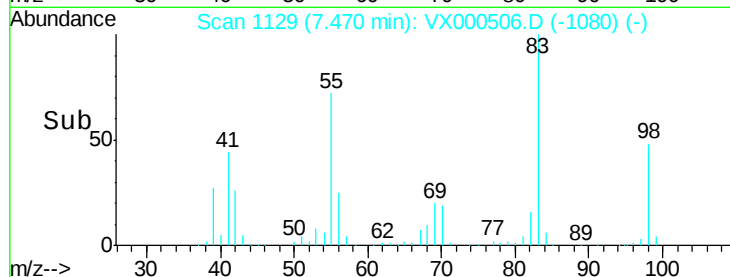
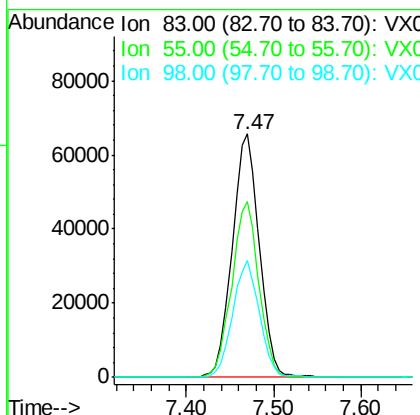
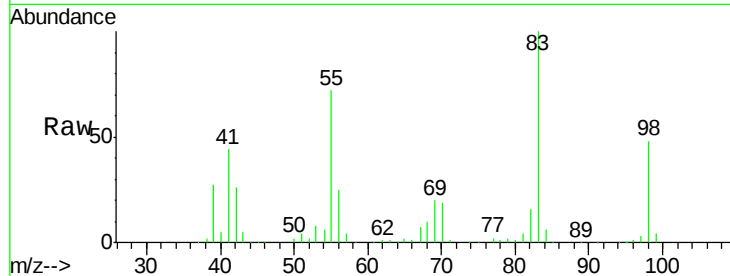
#39
Methvlcvclohexane
Concen: 53.67 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	55.5	83.3
98	48.2	38.2	57.4

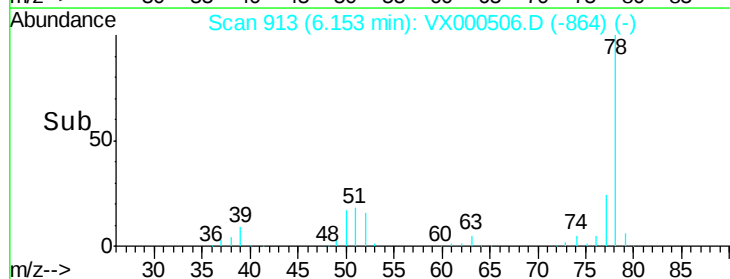
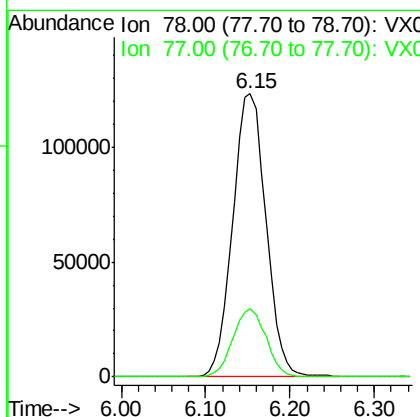
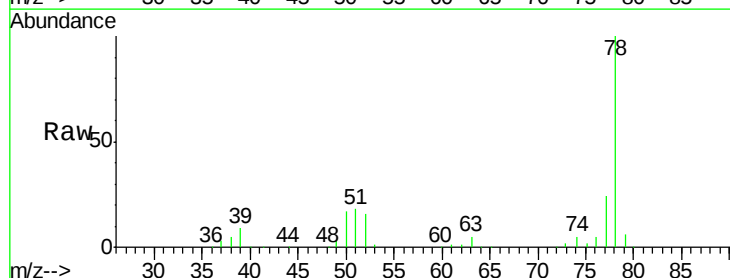
Manual Integrations
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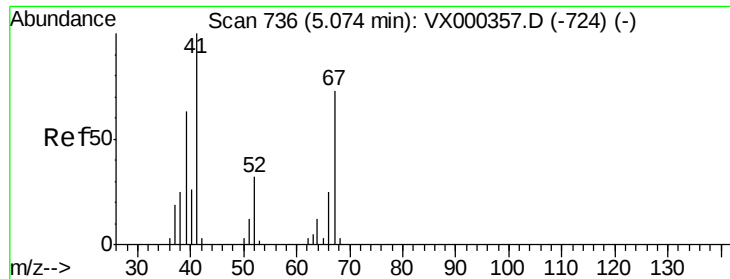
sam
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#40
Benzene
Concen: 52.52 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





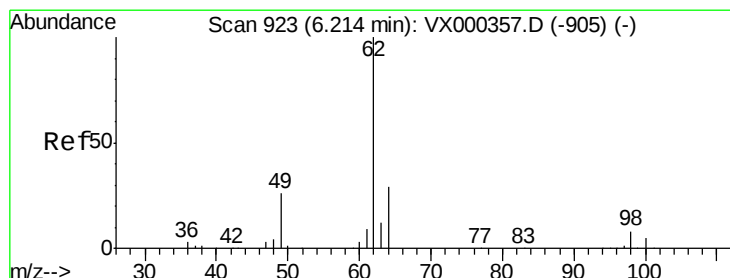
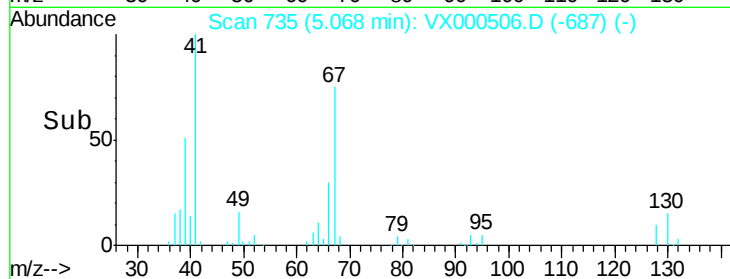
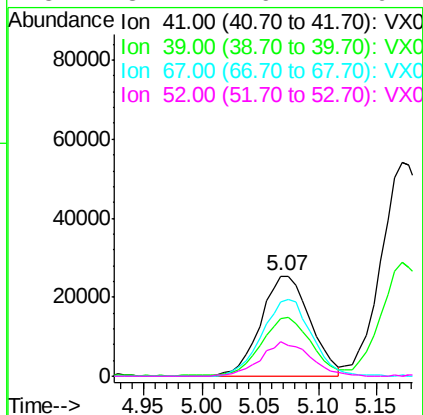
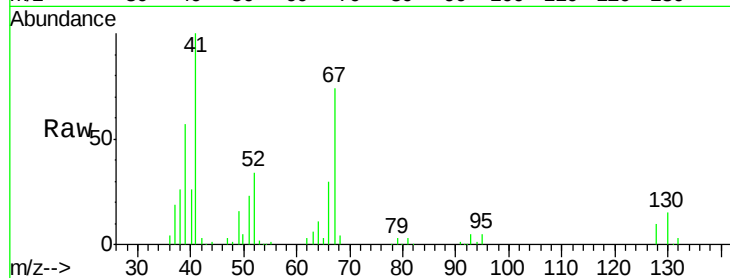
#41
Methacrylonitrile
Concen: 48.05 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.5	45.7	68.5	
67	76.9	57.8	86.8	
52	34.4	26.7	40.1	

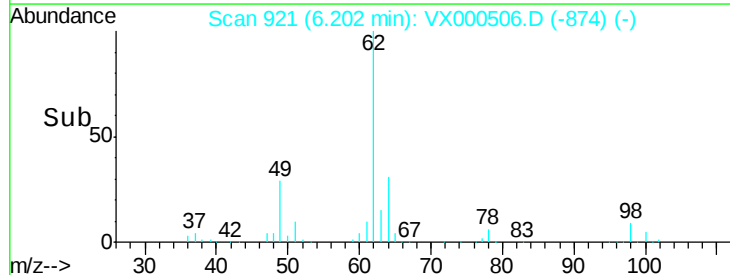
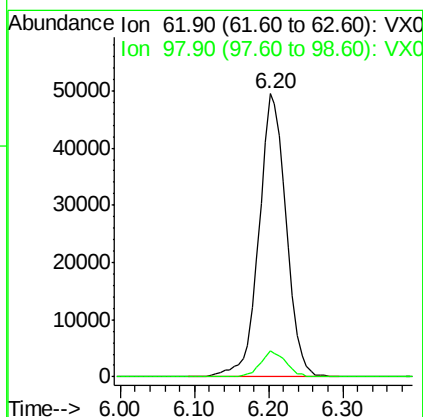
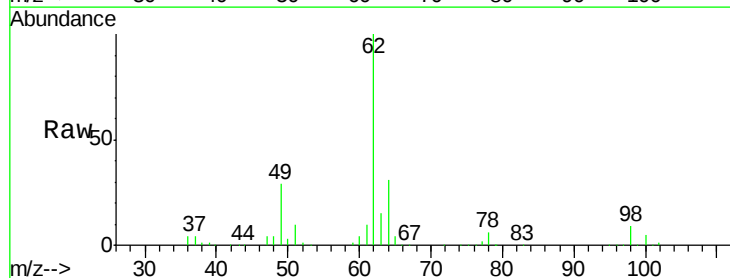
Manual Integrations
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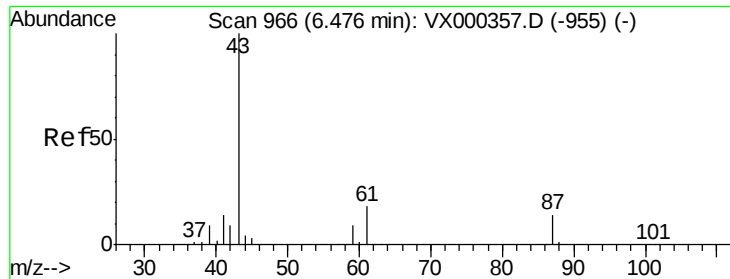
sam
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#42
1,2-Dichloroethane
Concen: 51.46 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	15.8	





#43

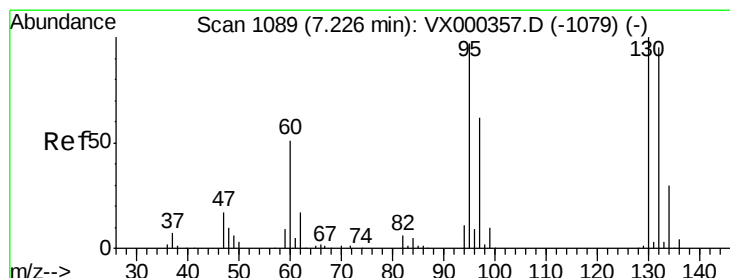
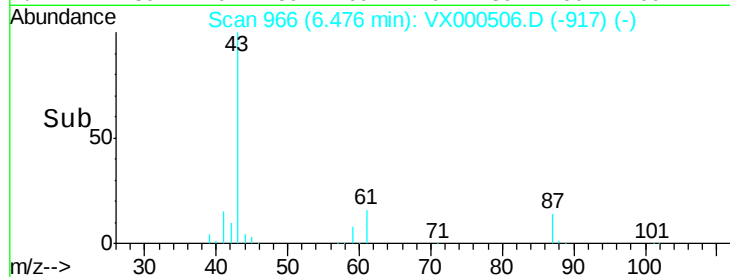
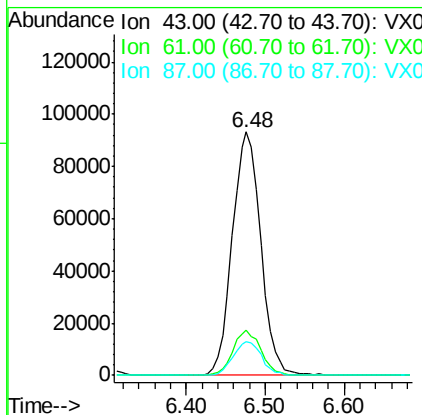
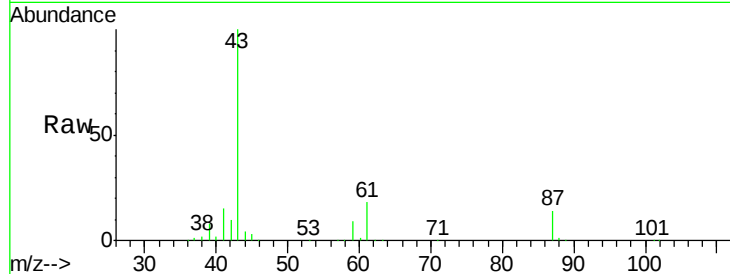
Isopropyl Acetate
 Concen: 53.26 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	13.9	11.0	16.4

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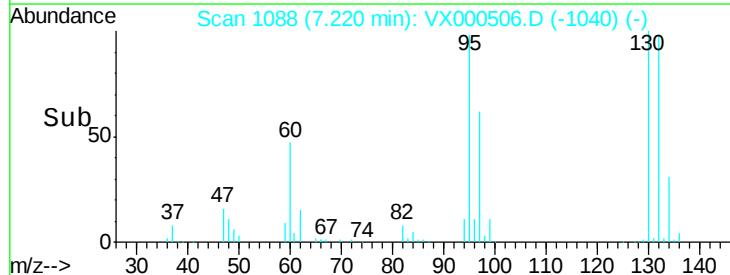
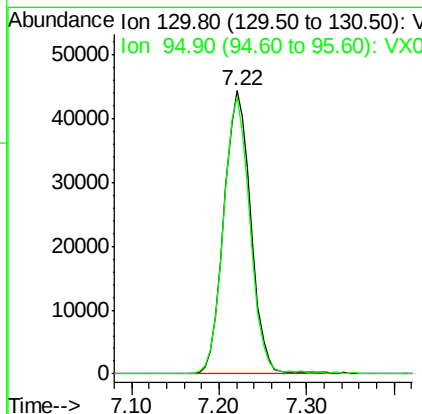
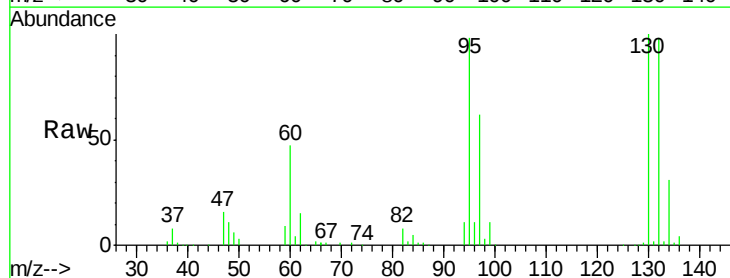
sam
 3/30/2018 4:10:17 PM

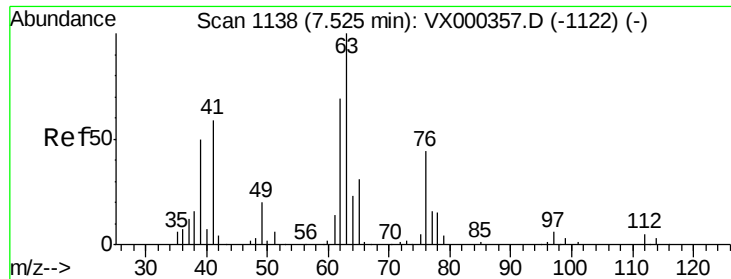


#44

Trichloroethene
 Concen: 52.93 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	186.0





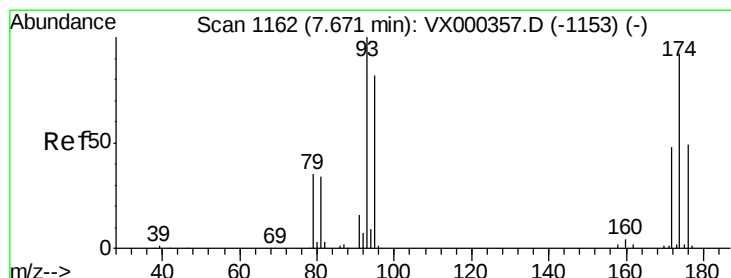
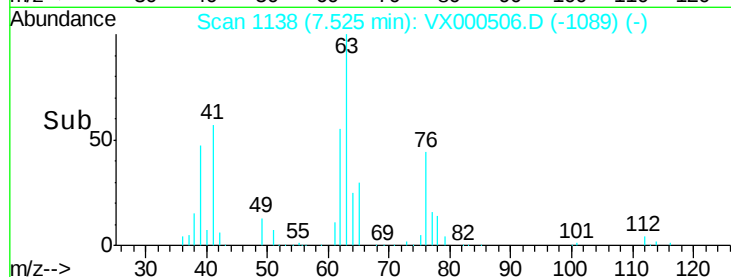
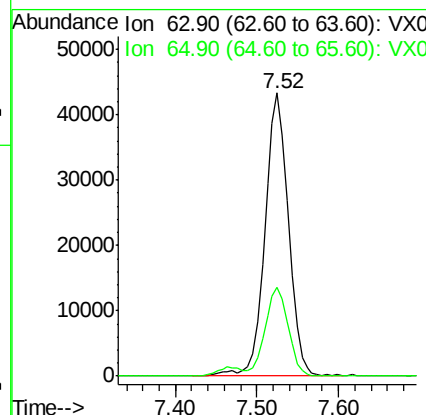
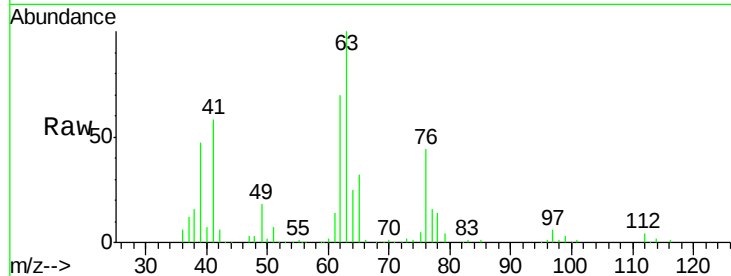
#45
1,2-Dichloropropane
Concen: 54.20 ug/l
RT: 7.52 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 87054
Ion Ratio Lower Upper
63 100
65 31.6 24.6 36.8

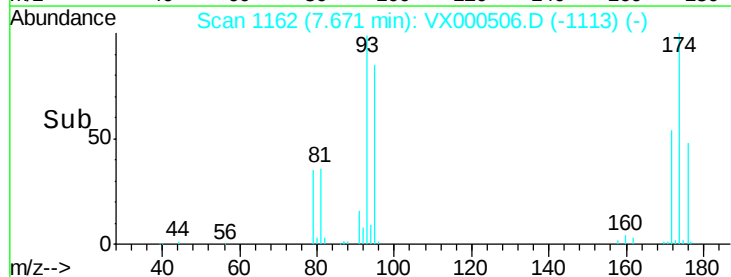
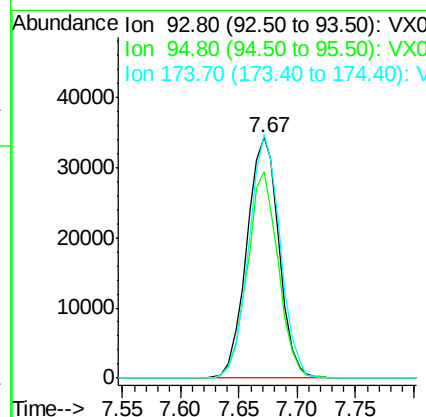
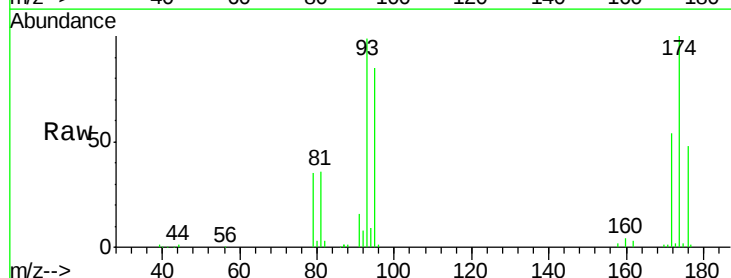
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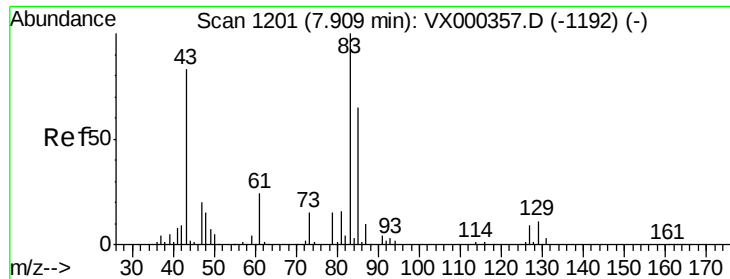
sam
3/30/2018 4:10:17 PM



#46
Dibromomethane
Concen: 52.38 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion: 93 Resp: 66033
Ion Ratio Lower Upper
93 100
95 82.4 66.5 99.7
174 98.5 76.0 114.0





#47

Bromodichloromethane

Concen: 56.25 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

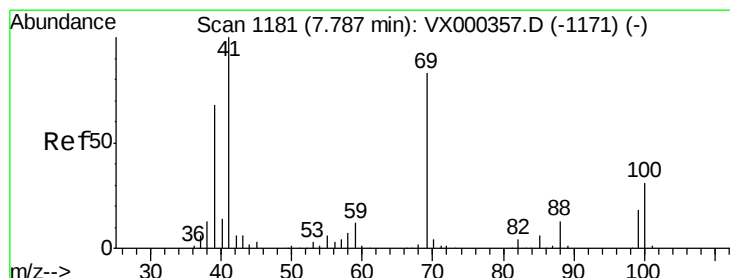
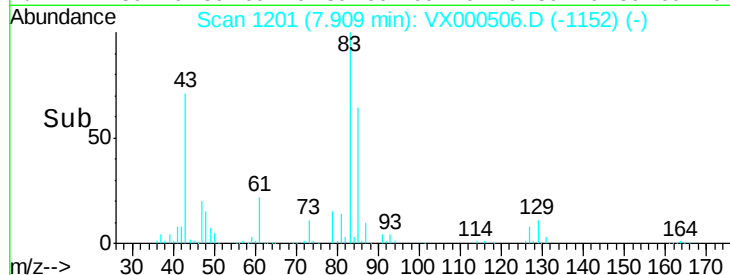
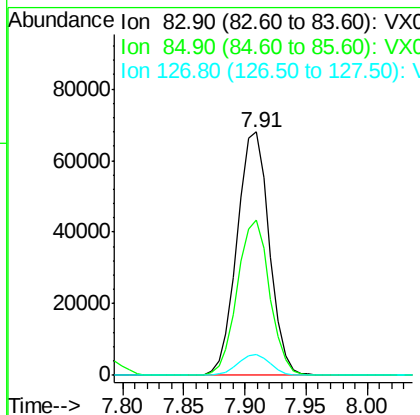
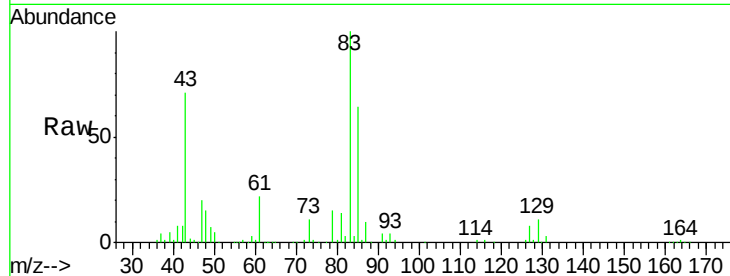
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	124771
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0
127	8.4	7.0	10.6

Manual Integrations
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sam
3/30/2018 4:10:17 PM



#48

Methyl methacrylate

Concen: 54.30 ug/l

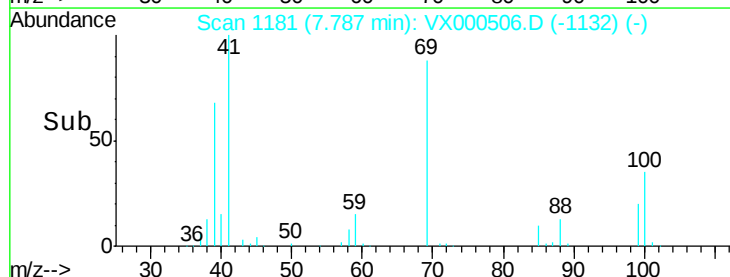
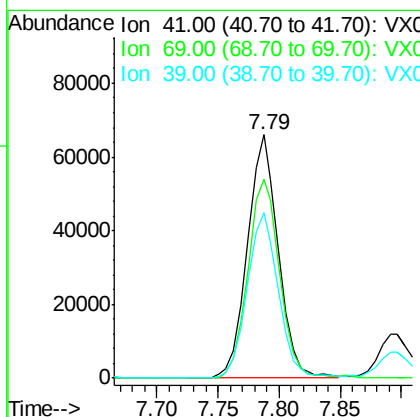
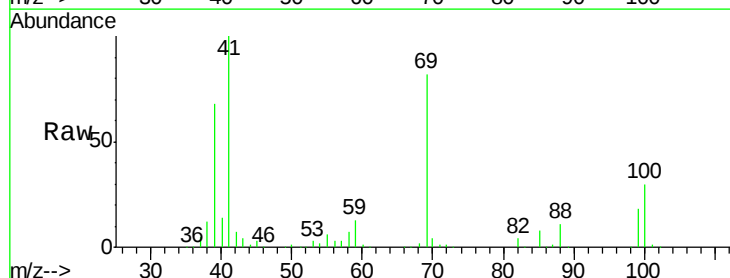
RT: 7.79 min Scan# 1181

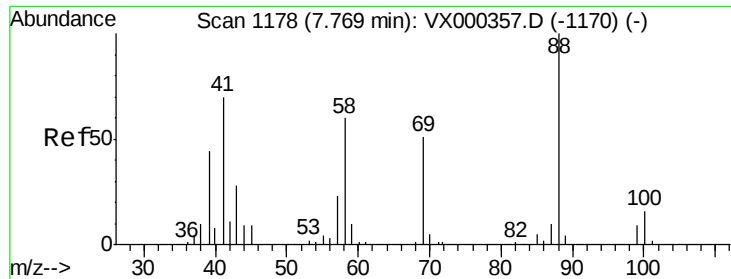
Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	41	Resp:	115827
Ion	Ratio	Lower	Upper
41	100		
69	84.7	68.2	102.4
39	68.1	54.6	81.8





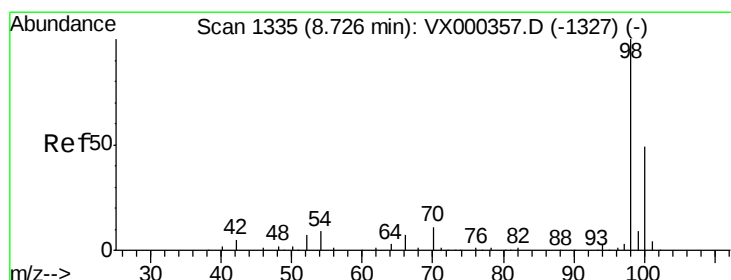
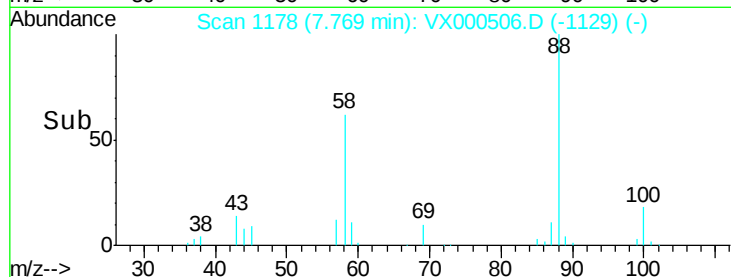
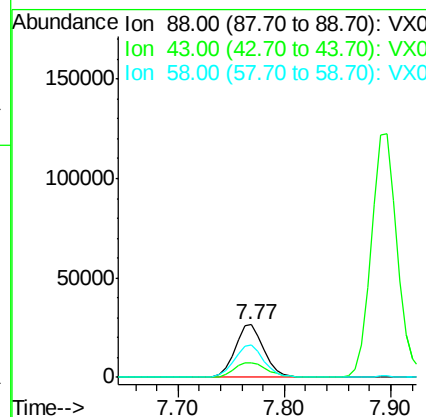
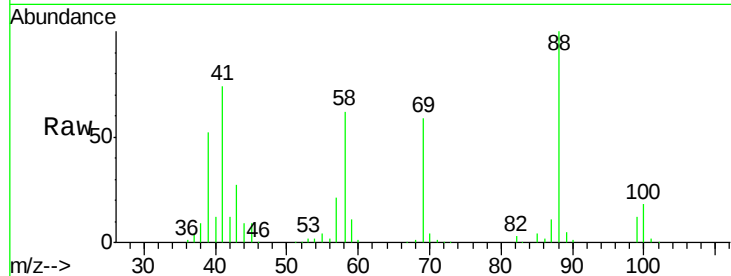
#49
1,4-Dioxane
Concen: 1114.39 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.8	40.2
58	63.4	52.2	78.2

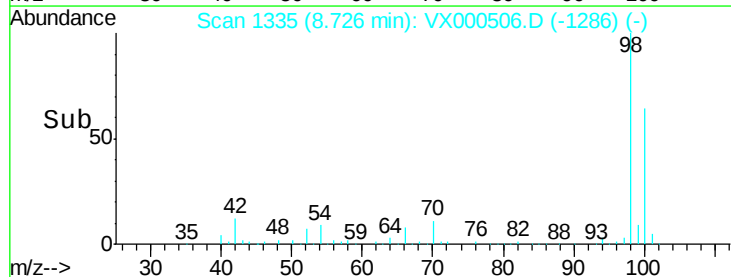
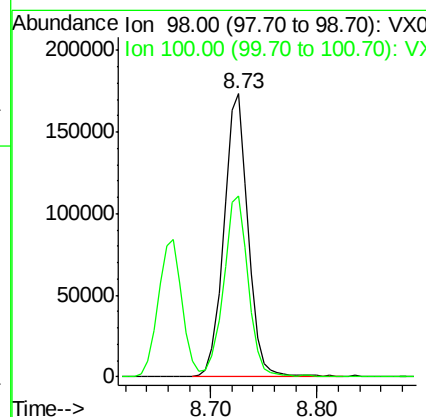
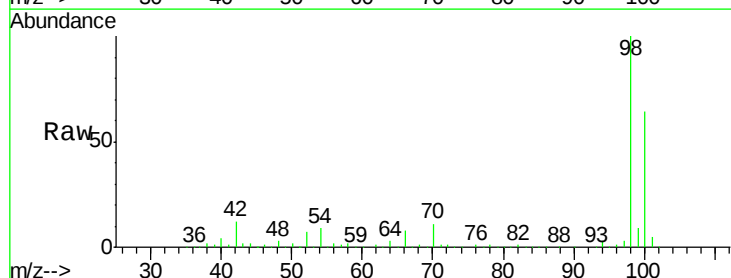
Manual Integrations
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#50
Toluene-d8
Concen: 45.42 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 263.40 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 895718

Ion Ratio Lower Upper

43 100

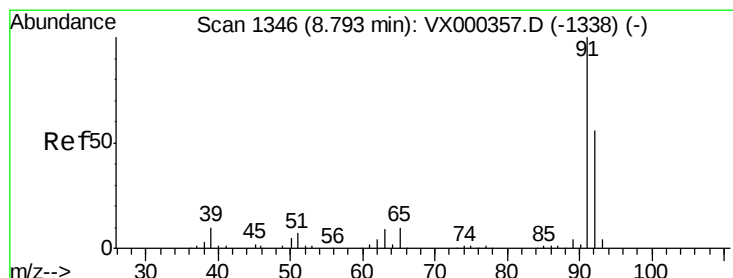
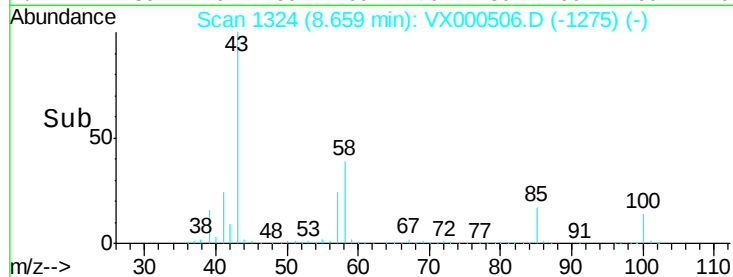
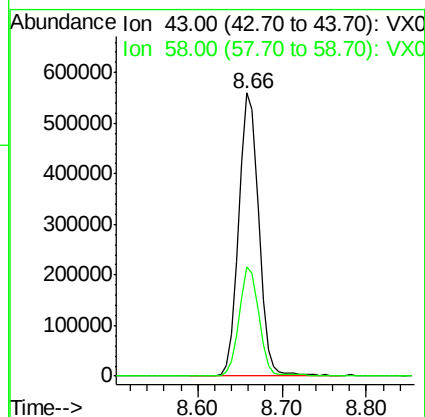
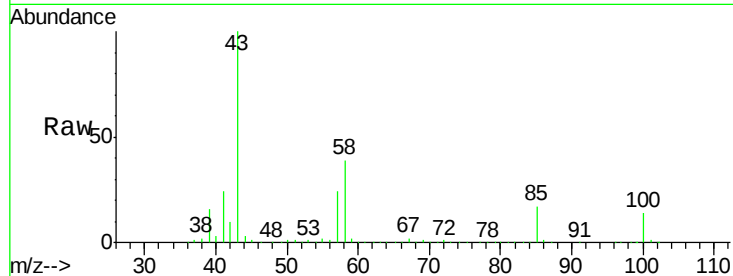
58 37.7 30.3 45.5

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#52

Toluene

Concen: 50.18 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000506.D

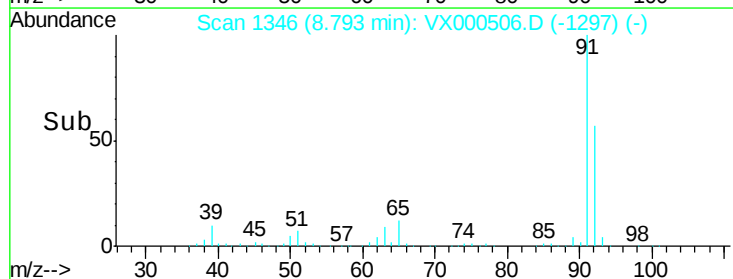
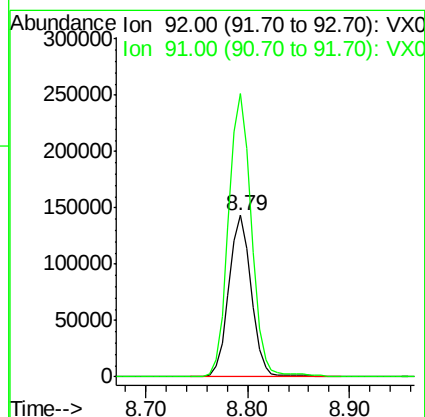
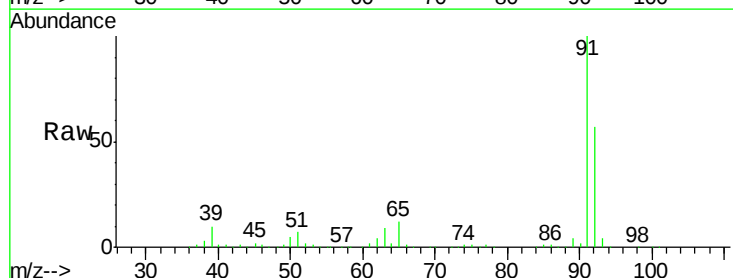
Acq: 29 Mar 2018 11:23

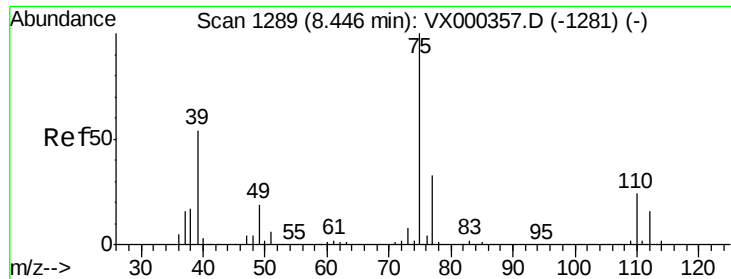
Tgt Ion: 92 Resp: 220128

Ion Ratio Lower Upper

92 100

91 178.4 140.2 210.2





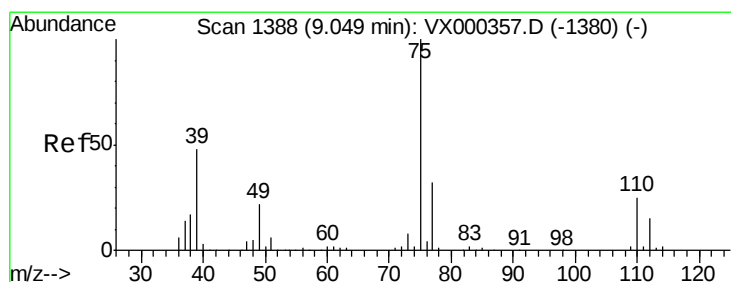
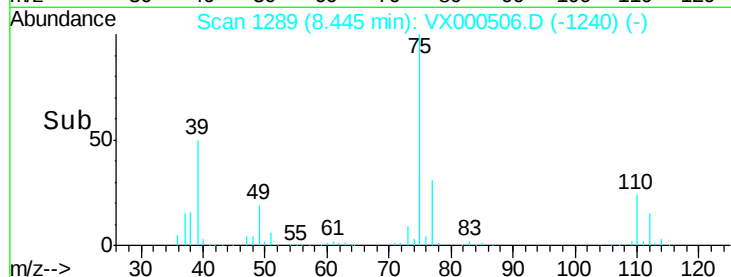
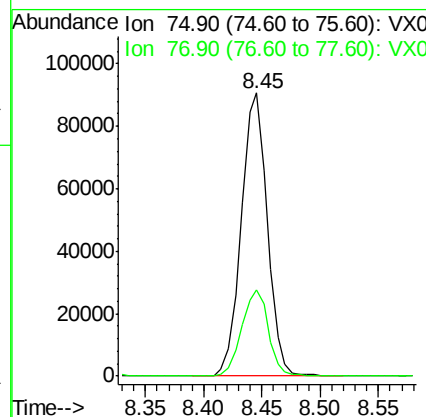
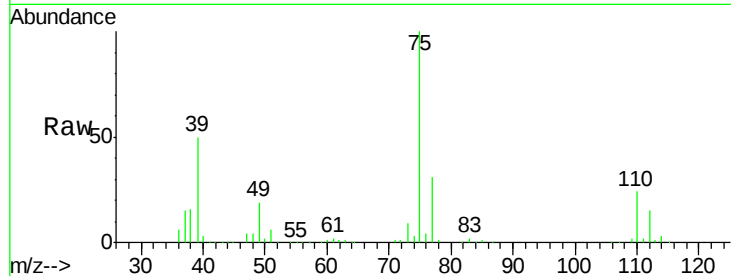
#53
t-1,3-Dichloropropene
Concen: 55.03 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.0	36.0

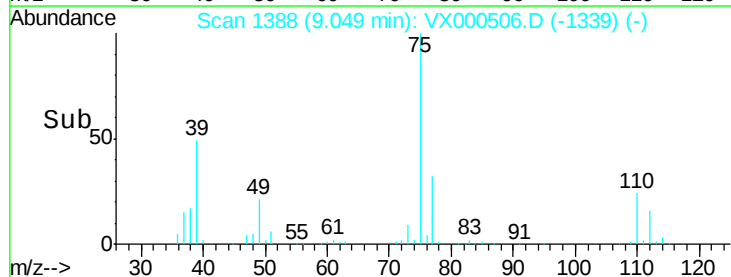
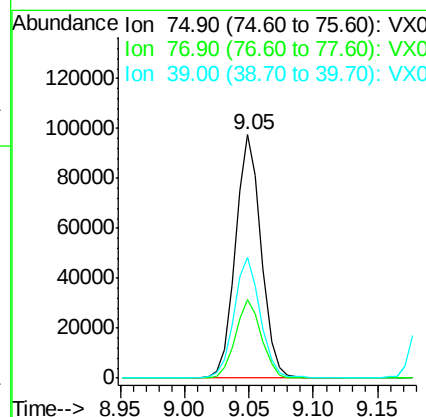
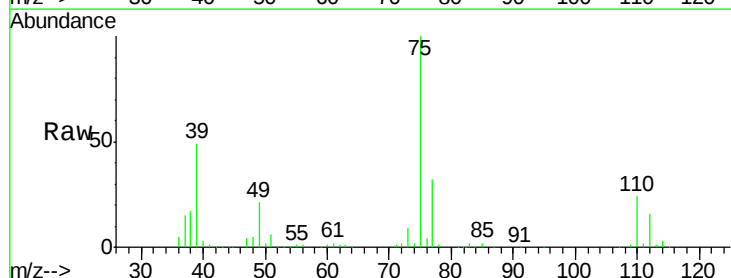
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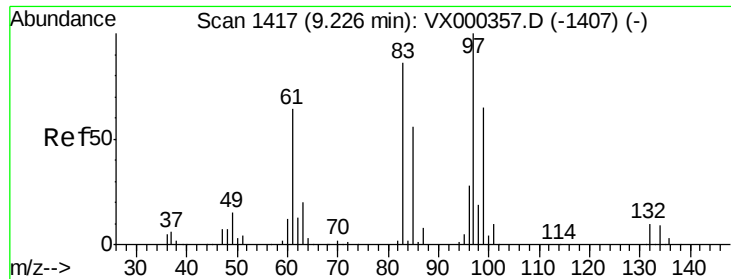
sam
3/30/2018 4:10:17 PM



#54
cis-1,3-Dichloropropene
Concen: 54.54 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	49.3	39.8	59.6





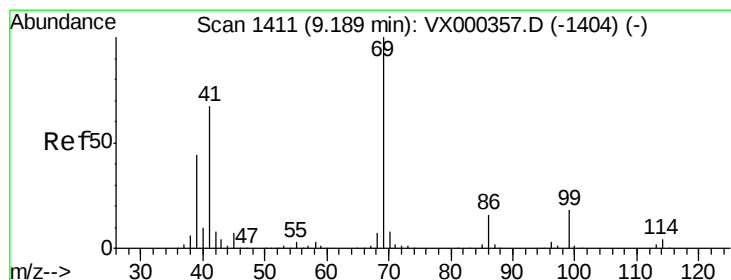
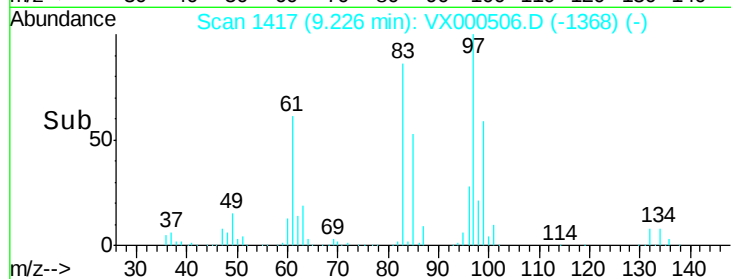
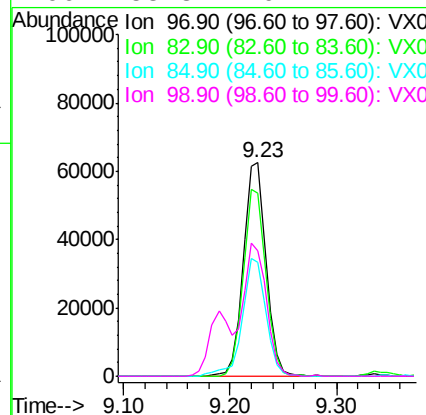
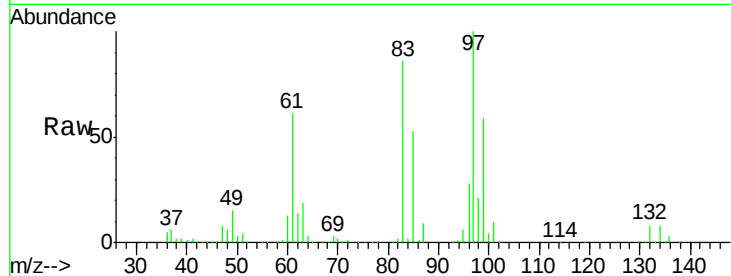
#55
 1,1,2-Trichloroethane
 Concen: 52.08 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	93948
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.9	101.9
85	53.1	42.8	64.2
99	58.3	49.4	74.2

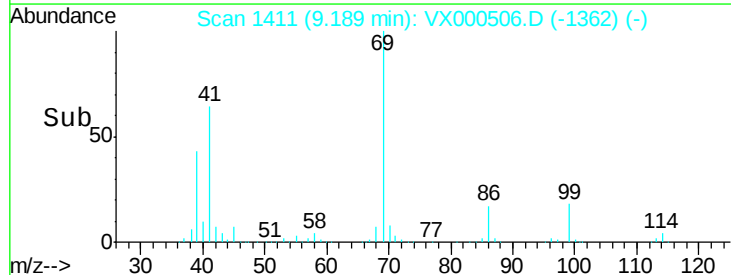
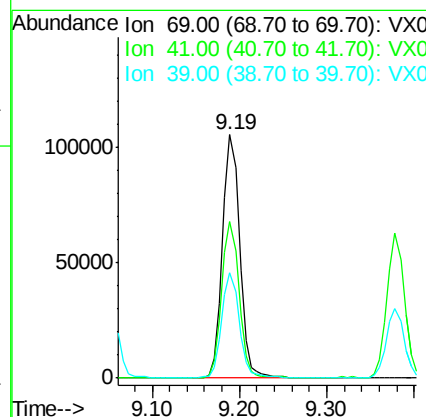
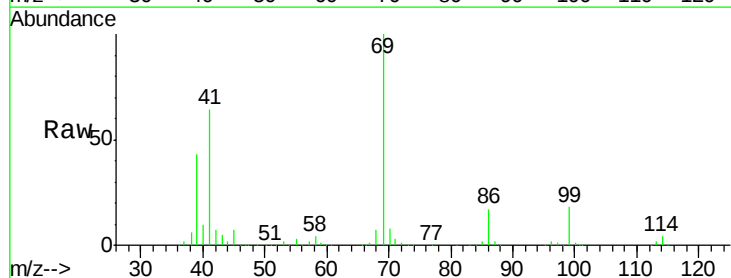
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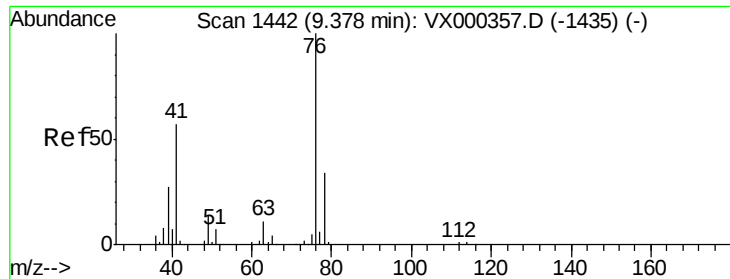
sam
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#56
 Ethyl methacrylate
 Concen: 53.06 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion:	69	Resp:	145049
Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.0	79.6
39	43.3	35.3	52.9





#57

1,3-Dichloropropane

Concen: 52.70 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 152055

Ion Ratio Lower Upper

76 100

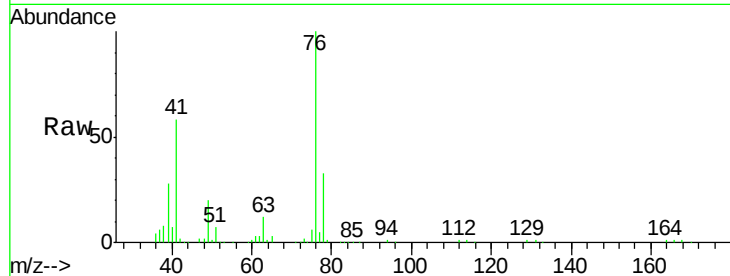
78 32.4 26.4 39.6

Manual Integrations

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sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

120000

100000

80000

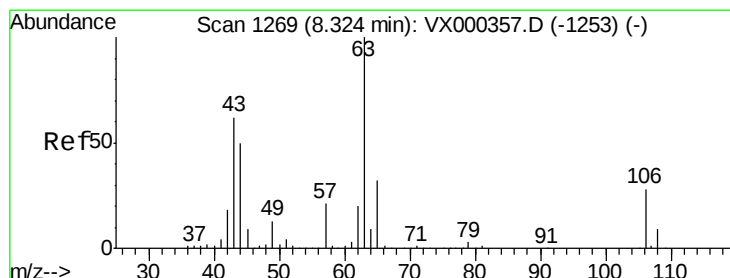
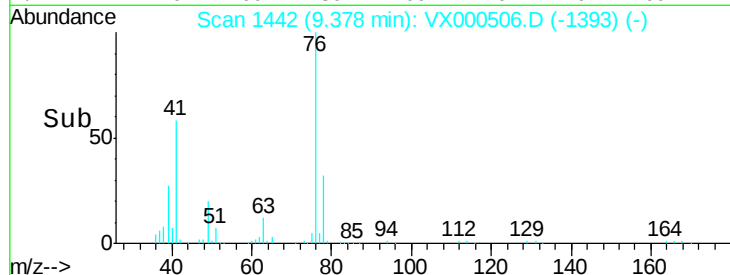
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 213.27 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000506.D

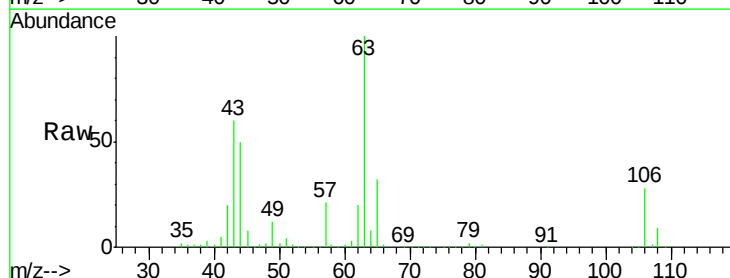
Acq: 29 Mar 2018 11:23

Tgt Ion: 63 Resp: 279795

Ion Ratio Lower Upper

63 100

106 28.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

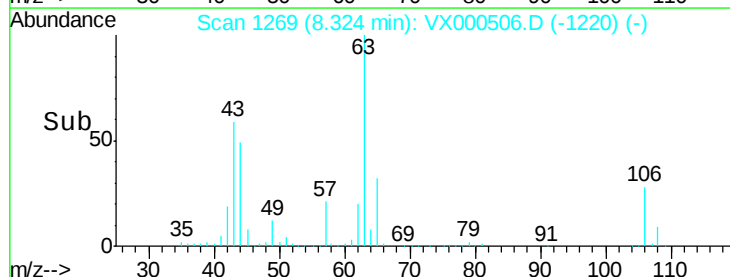
150000

100000

50000

0

Time-->





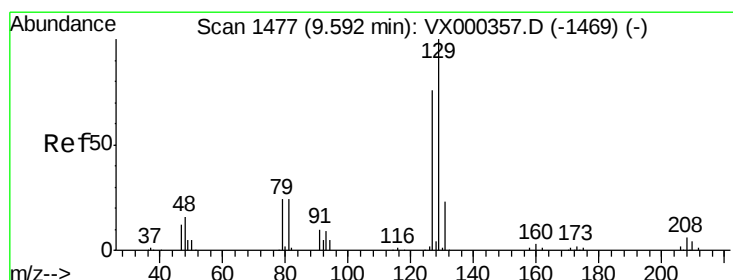
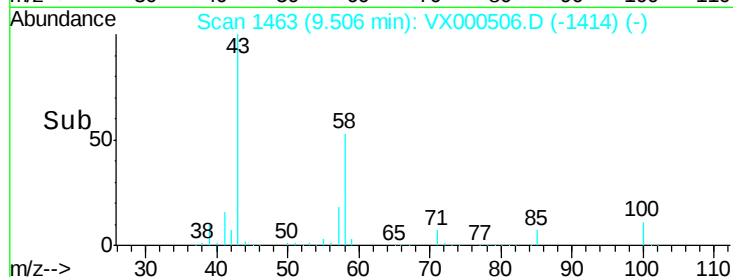
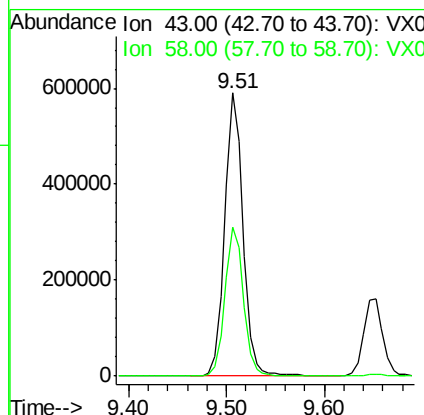
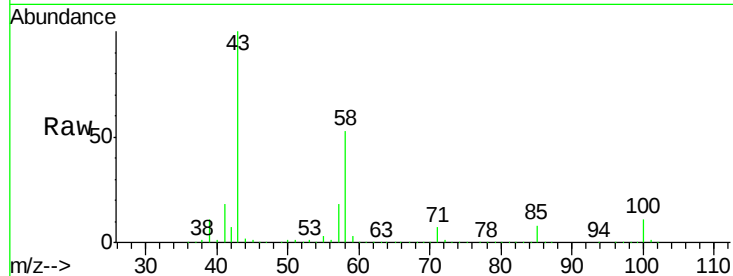
#59
2-Hexanone
Concen: 265.53 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 766716
Ion Ratio Lower Upper
43 100
58 53.3 26.6 79.7

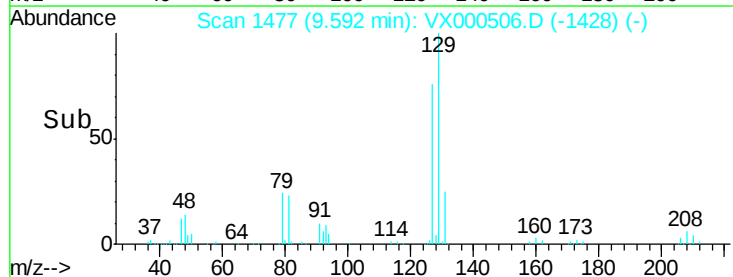
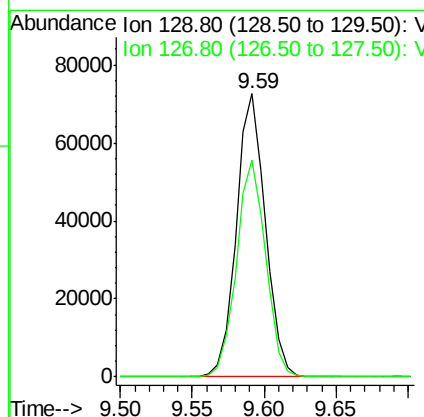
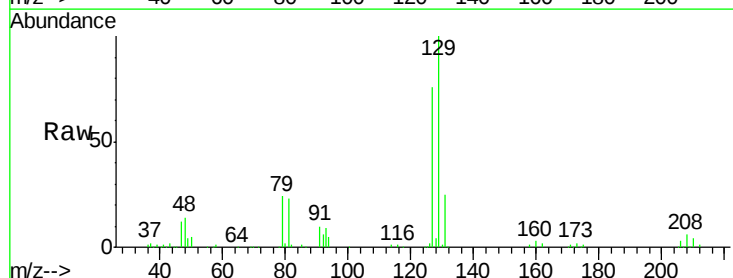
Manual Integrations
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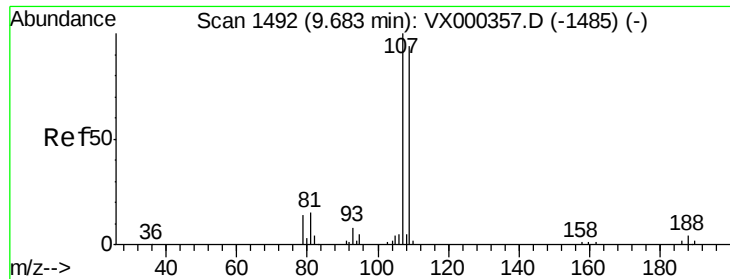
sam
3/30/2018 4:10:17 PM



#60
Dibromochloromethane
Concen: 47.89 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion: 129 Resp: 101827
Ion Ratio Lower Upper
129 100
127 77.0 37.9 113.6





#61

1,2-Dibromoethane

Concen: 53.18 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 102876

Ion Ratio Lower Upper

107 100

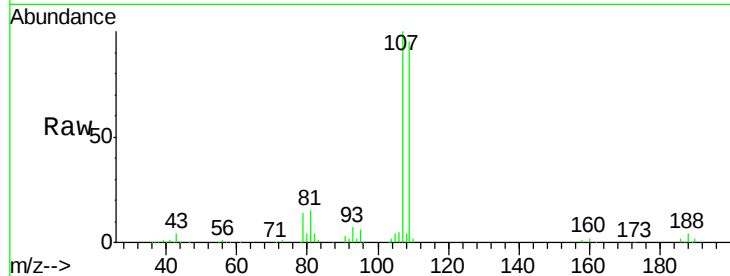
109 94.3 76.1 114.1

Manual Integrations

APPROVED

sam

3/30/2018 4:10:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

80000

60000

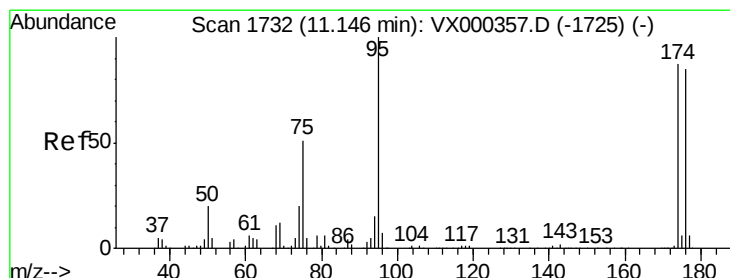
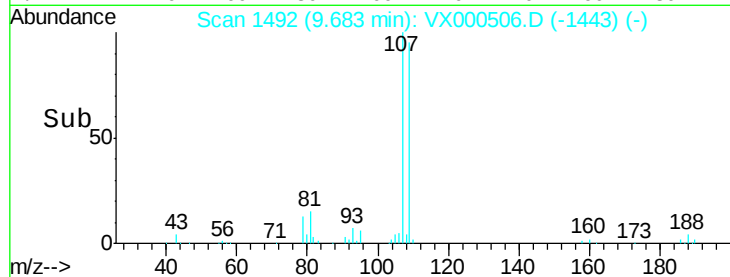
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 46.25 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

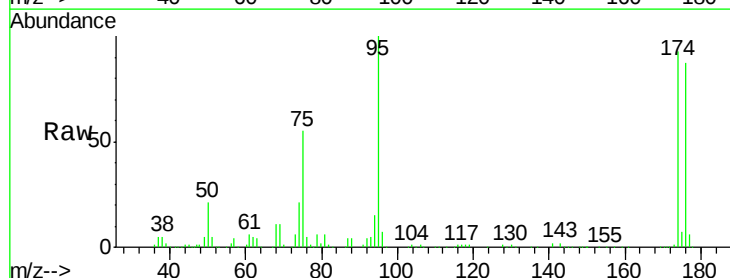
Tgt Ion: 95 Resp: 116310

Ion Ratio Lower Upper

95 100

174 90.0 0.0 173.6

176 85.0 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

120000

100000

80000

60000

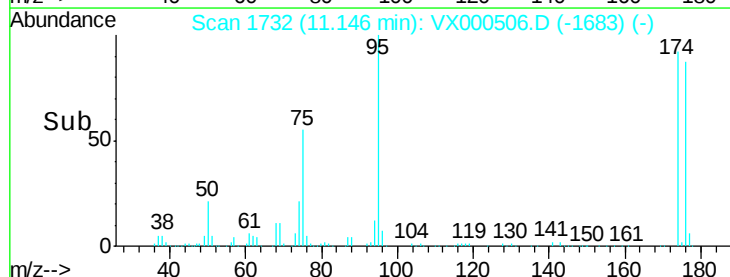
40000

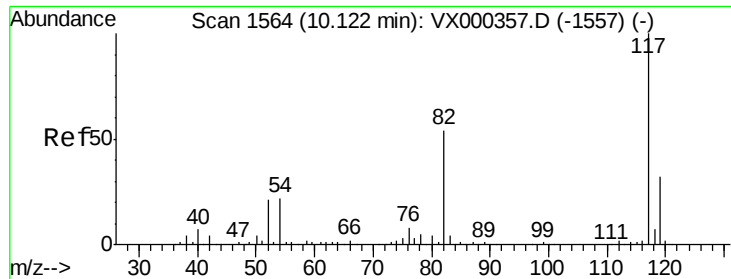
20000

0

Time-->

11.10 11.20





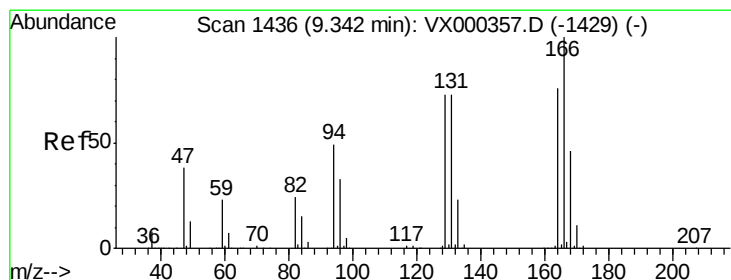
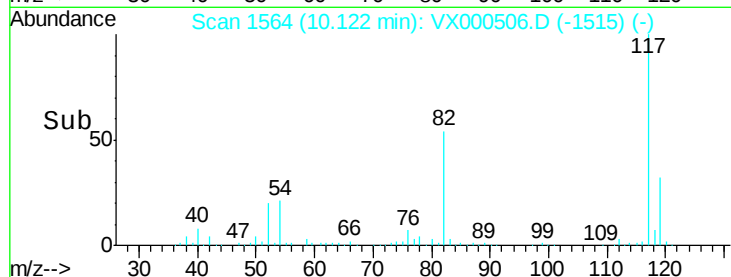
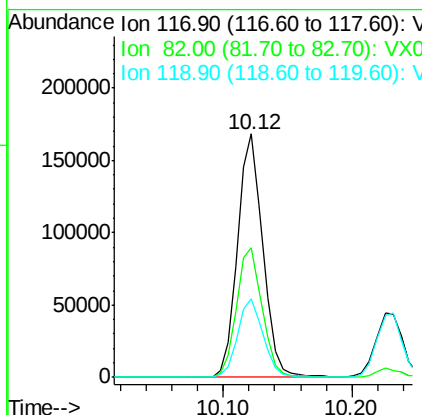
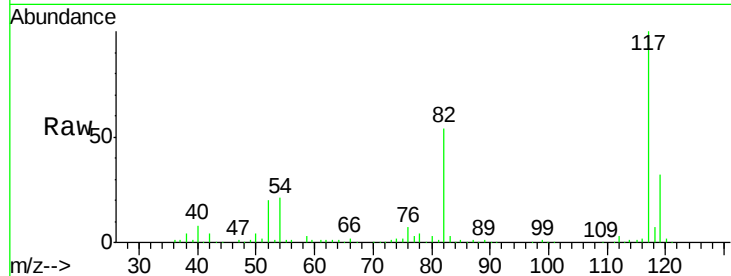
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.8	65.8
119	32.3	24.9	37.3

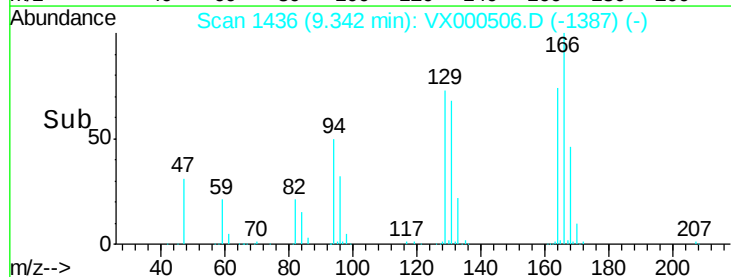
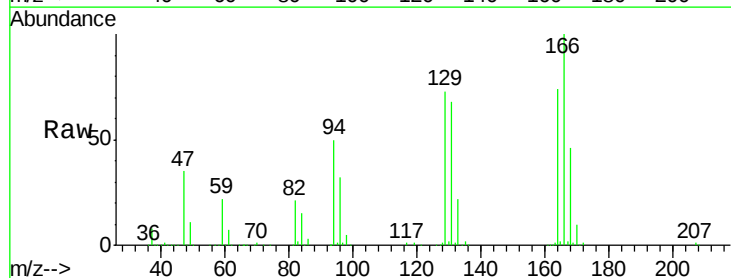
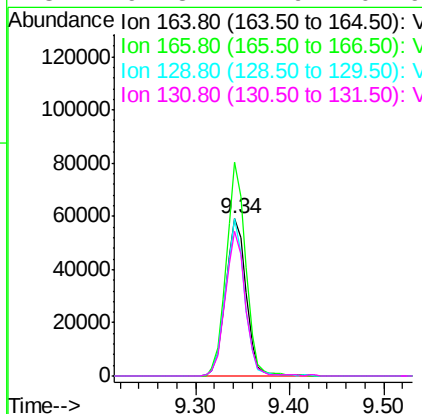
Manual Integrations
APPROVED

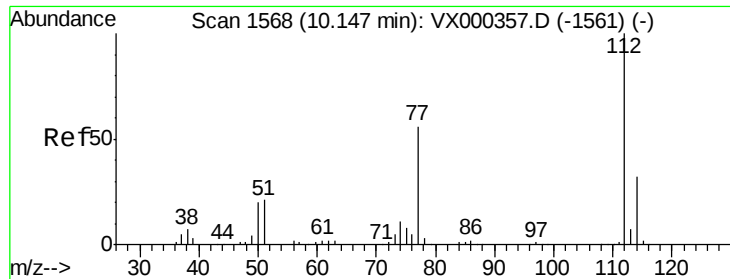
sam
3/30/2018 4:10:17 PM



#64
Tetrachloroethene
Concen: 50.16 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.9	101.0	151.6
129	99.8	79.0	118.4
131	91.8	71.9	107.9





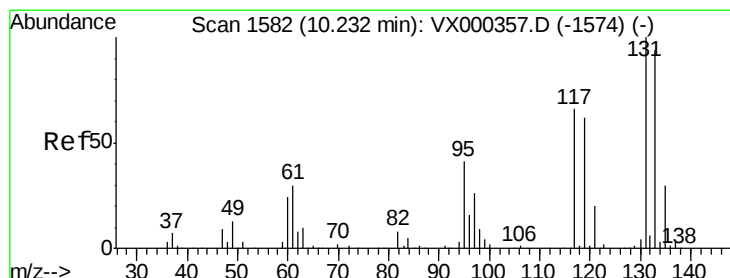
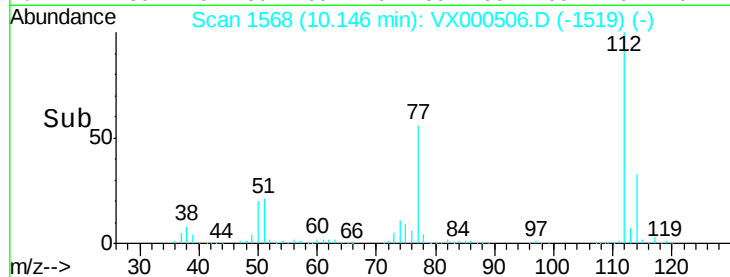
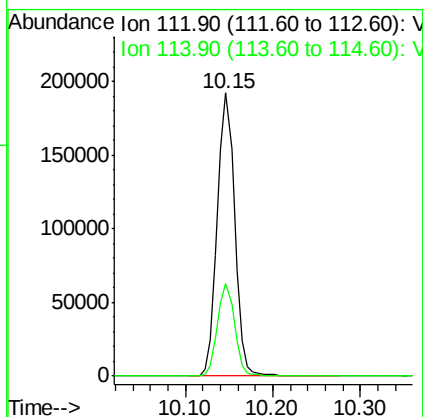
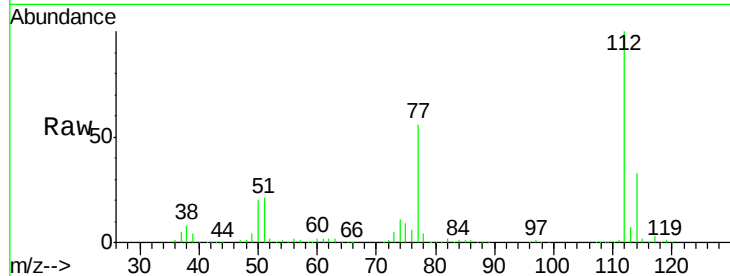
#65
Chlorobenzene
Concen: 52.09 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 266127
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

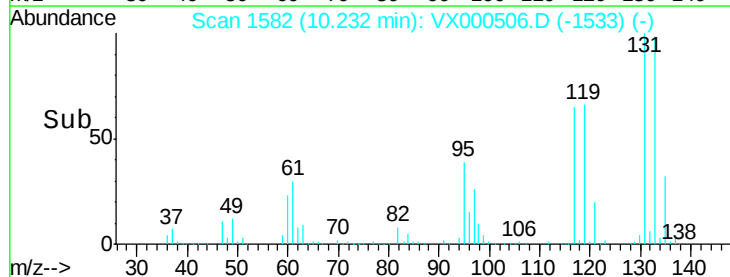
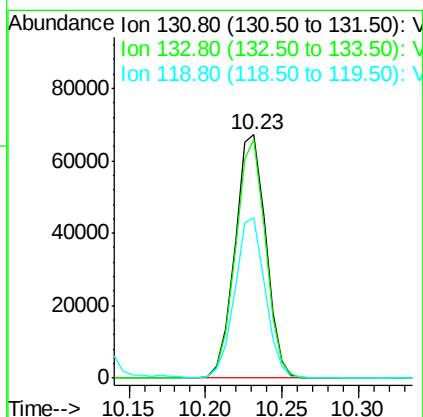
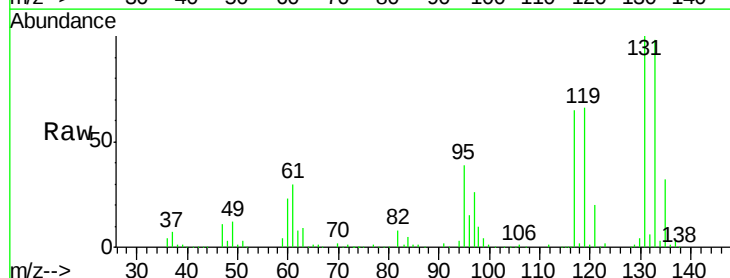
Manual Integrations
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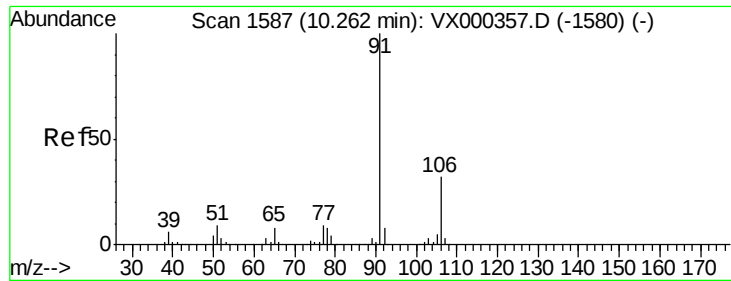
sam
3/30/2018 4:10:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.07 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion:131 Resp: 93827
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.3
119 65.0 33.1 99.2





#67

Ethyl Benzene

Concen: 52.69 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 456370

Ion Ratio Lower Upper

91 100

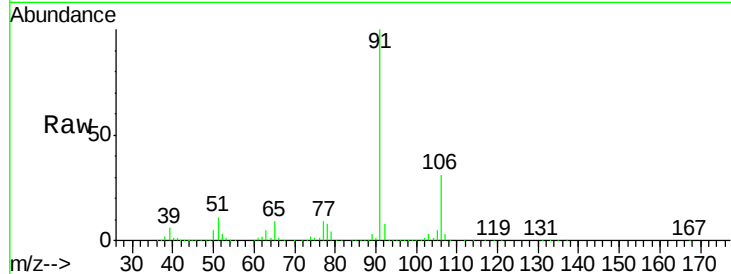
106 30.8 25.0 37.6

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1580) (-)

Ion 106.00 (105.70 to 106.70): VX000357.D (-1580) (-)

600000

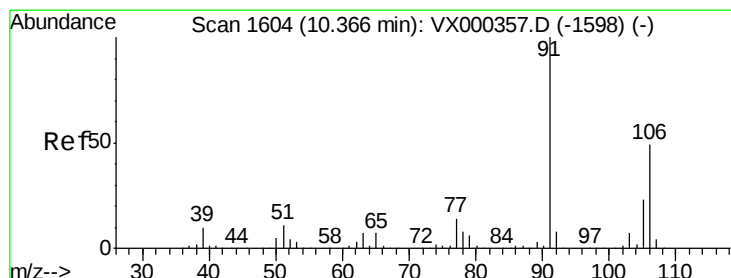
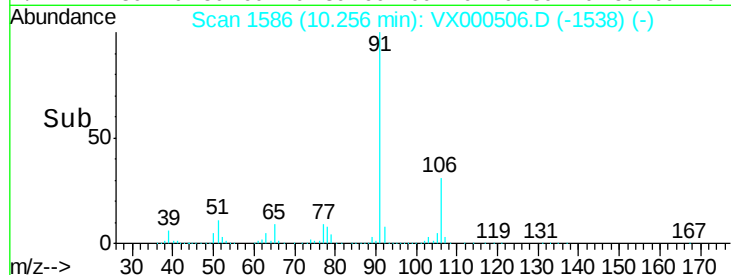
400000

200000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 110.80 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000506.D

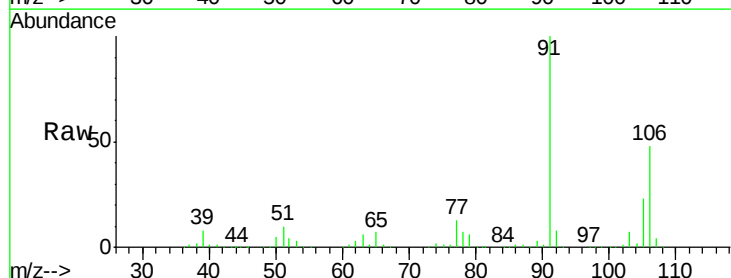
Acq: 29 Mar 2018 11:23

Tgt Ion: 106 Resp: 377608

Ion Ratio Lower Upper

106 100

91 203.9 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX000357.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX000357.D (-1598) (-)

600000

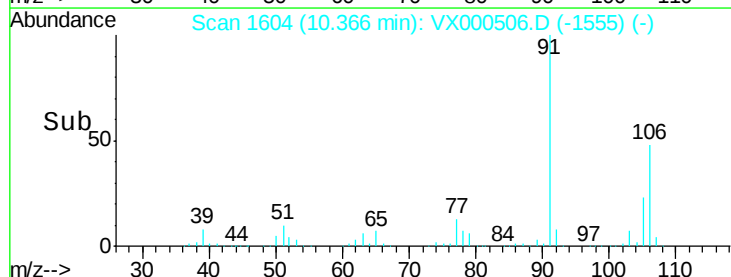
400000

200000

0

10.30 10.40 10.50

Time-->





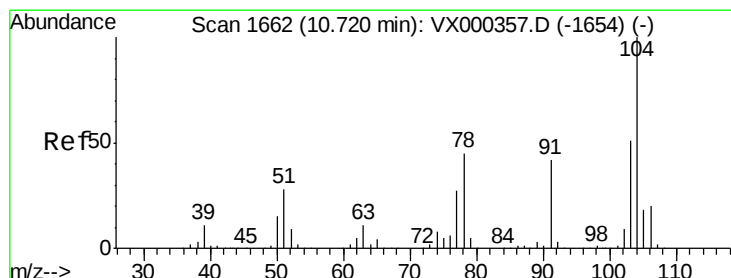
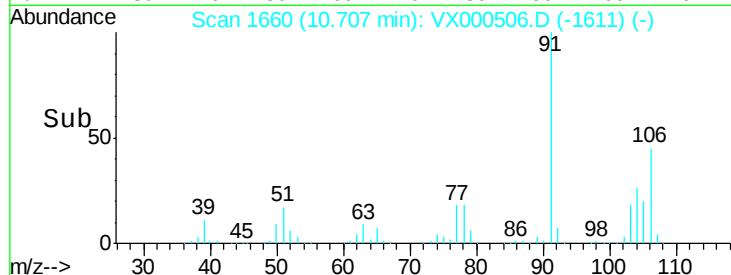
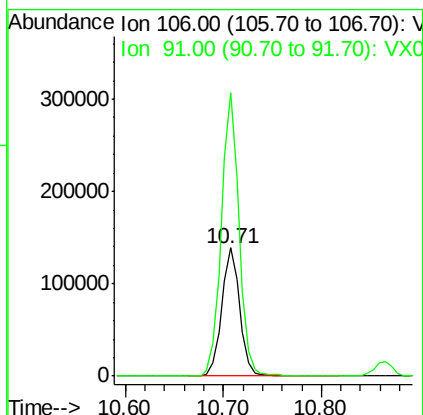
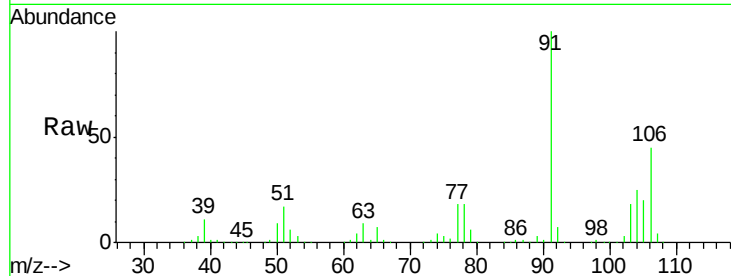
#69
o-Xylene
Concen: 53.57 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 176758
Ion Ratio Lower Upper
106 100
91 217.3 106.5 319.6

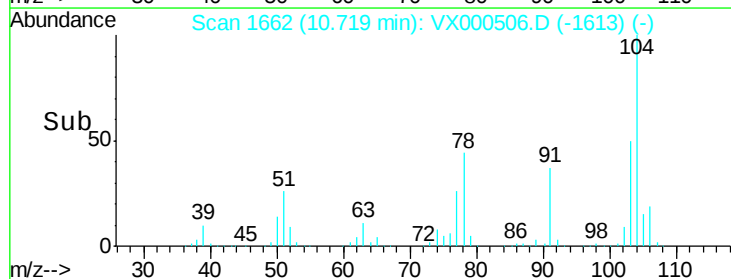
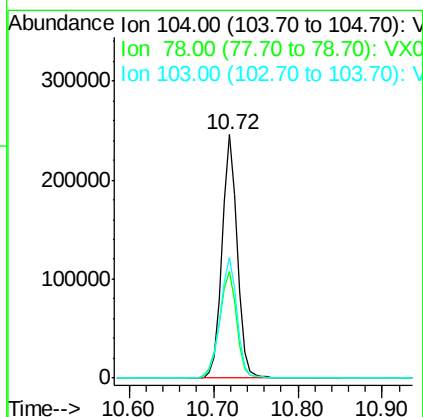
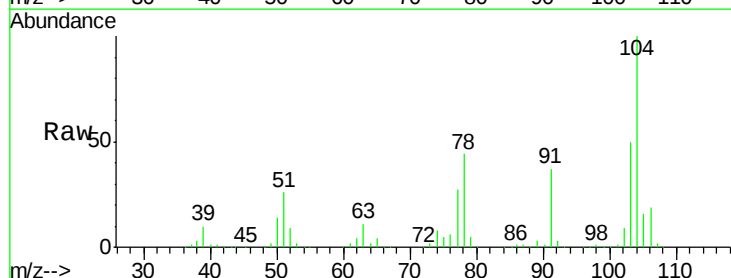
Manual Integrations
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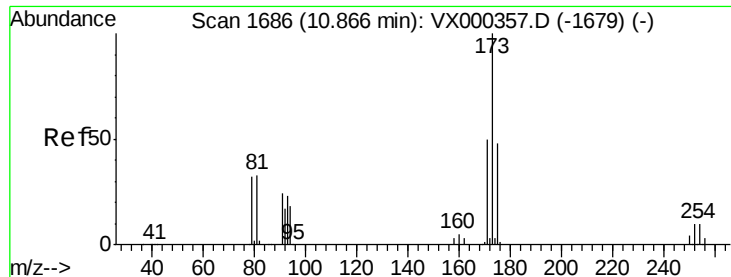
sam
3/30/2018 4:10:17 PM



#70
Styrene
Concen: 56.88 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion:104 Resp: 310591
Ion Ratio Lower Upper
104 100
78 49.5 40.5 60.7
103 54.6 45.7 68.5





#71

Bromoform

Concen: 47.86 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86122

Ion Ratio Lower Upper

173 100

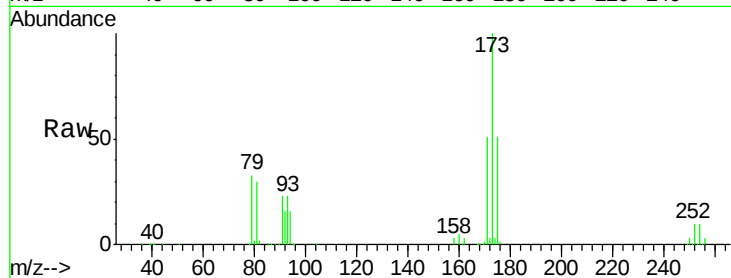
175 49.6 25.4 76.4

254 0.2 0.0 0.0#

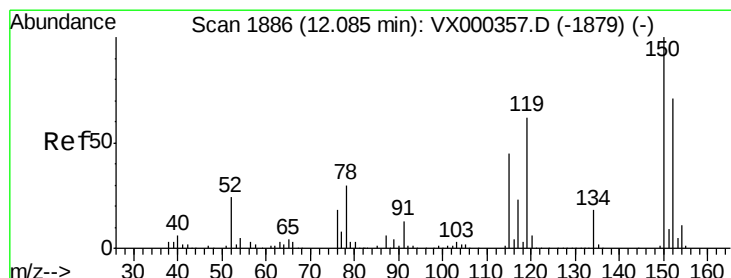
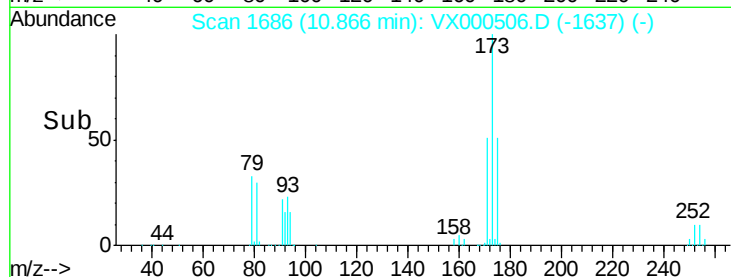
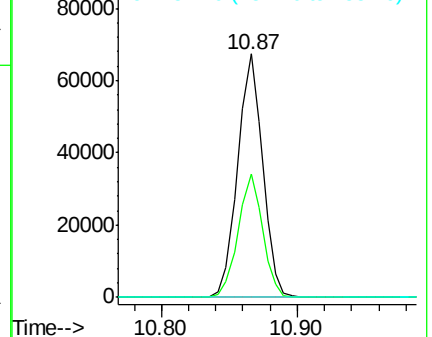
Manual Integrations
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sam

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

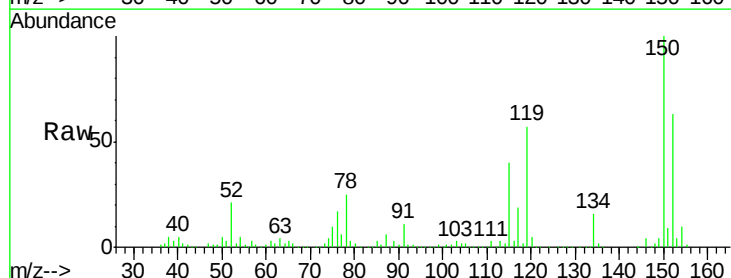
Tgt Ion:152 Resp: 161170

Ion Ratio Lower Upper

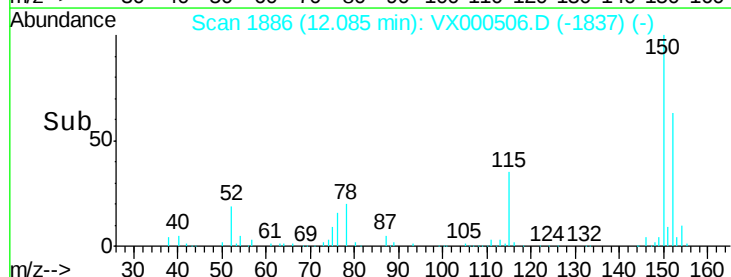
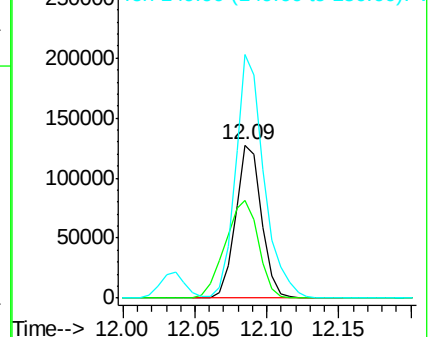
152 100

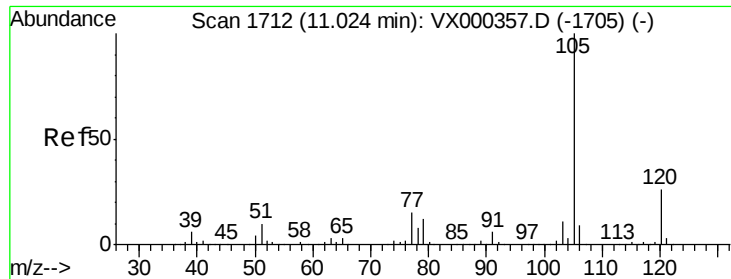
115 82.2 39.8 119.3

150 173.5 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 501178

Ion Ratio Lower Upper

105 100

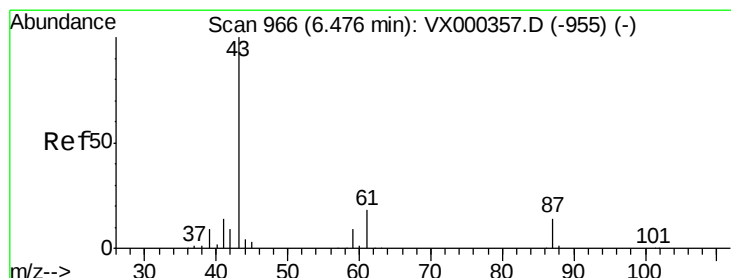
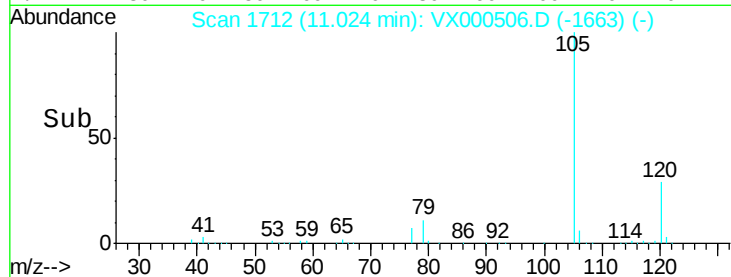
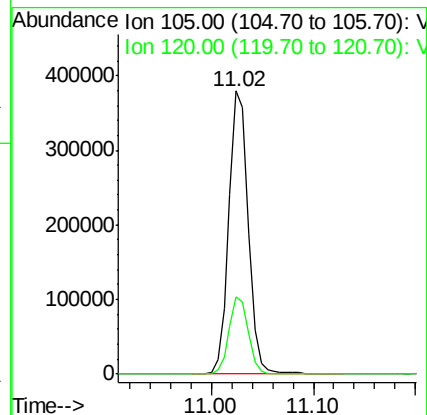
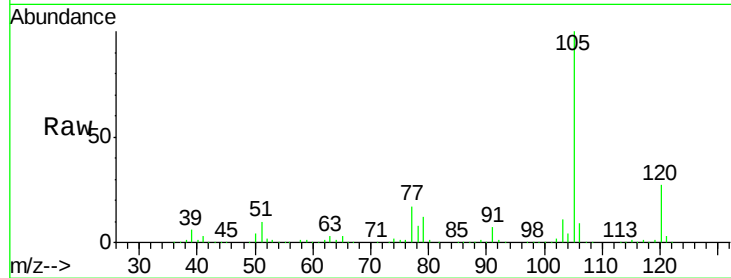
120 27.3 13.6 40.7

Manual Integrations

APPROVED

sam

3/30/2018 4:10:17 PM



#74

N-ethyl acetate

Concen: 50.29 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion: 43 Resp: 234006

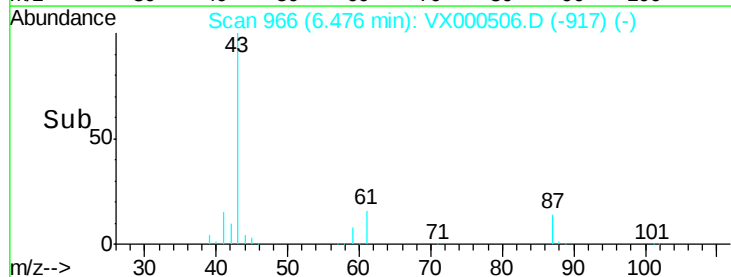
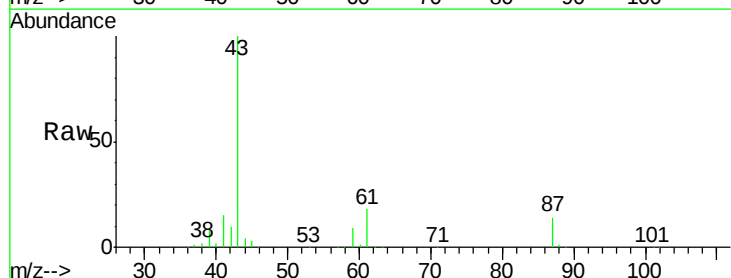
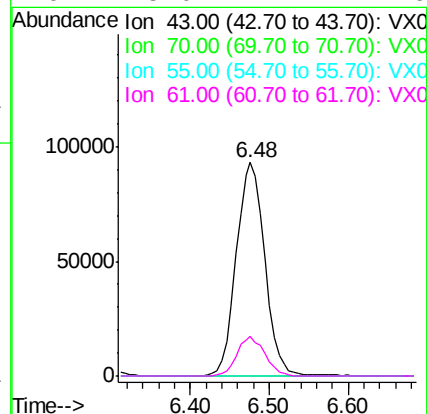
Ion Ratio Lower Upper

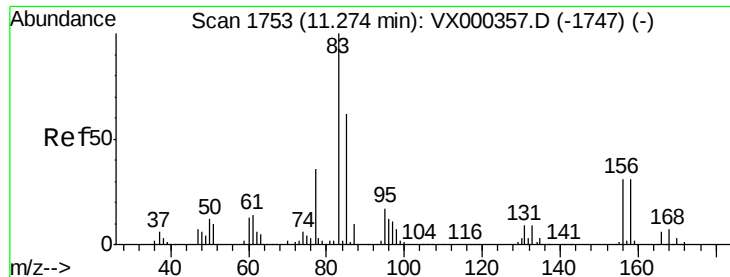
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.51 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

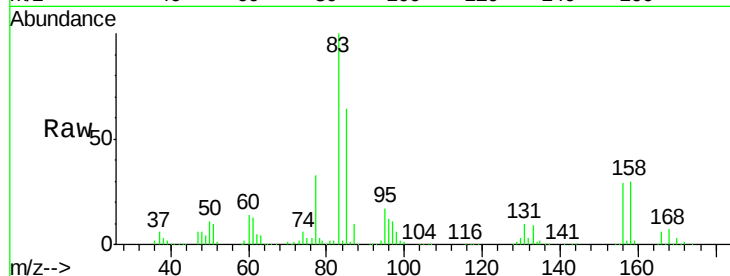
ClientSampleId :

VSTDCCC050

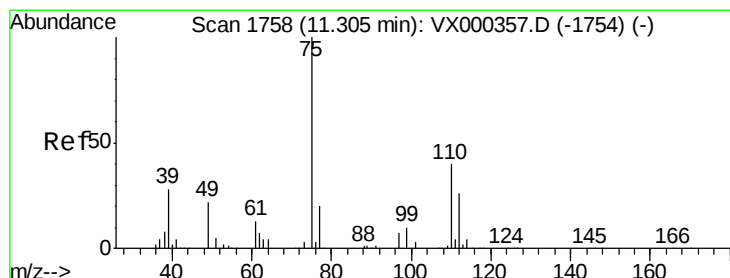
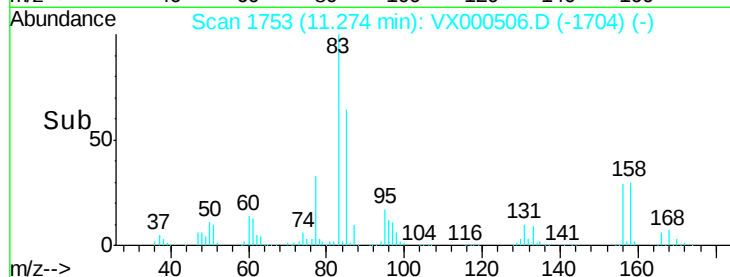
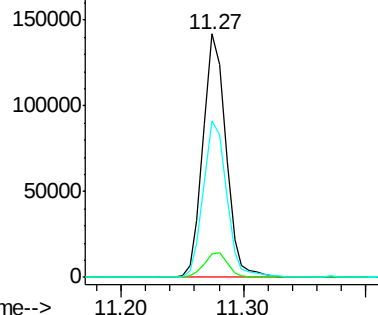
Tot Ion:	83	Resp:	183237
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	65.5	32.5	97.5

Manual Integrations
APPROVED

sam
3/30/2018 4:10:17 PM



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: 46.89 ug/l m

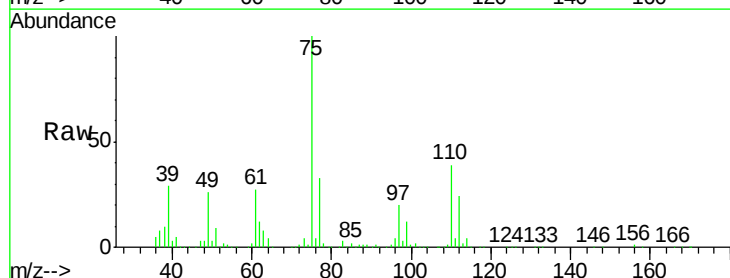
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

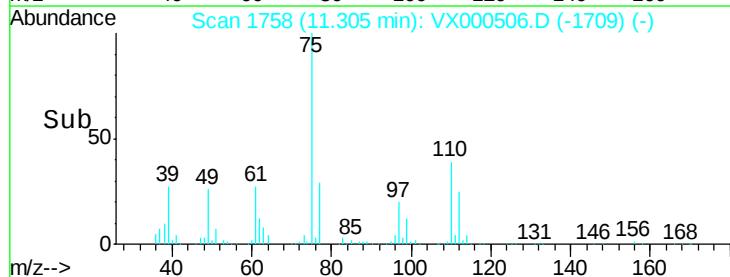
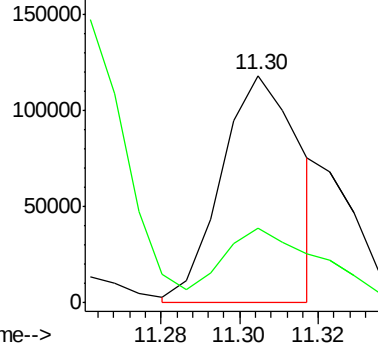
Lab File: VX000506.D

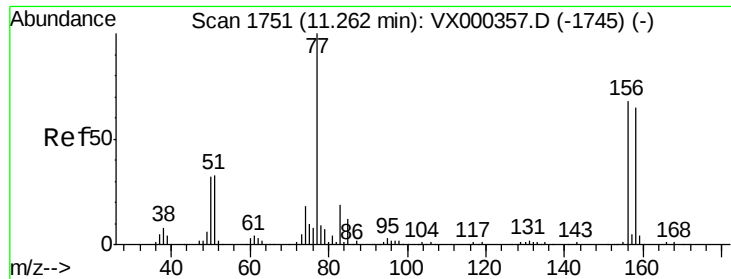
Acq: 29 Mar 2018 11:23

Tgt Ion:	75	Resp:	162411
Ion Ratio	Lower	Upper	
75	100		
77	42.1	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: 44.92 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

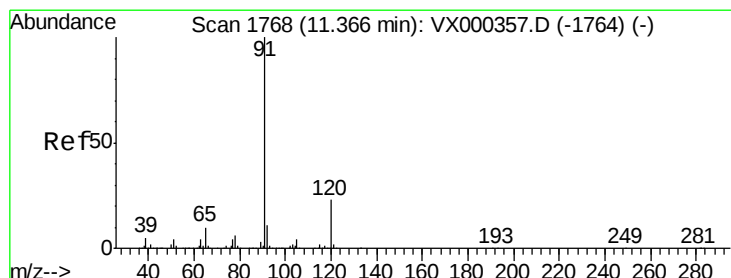
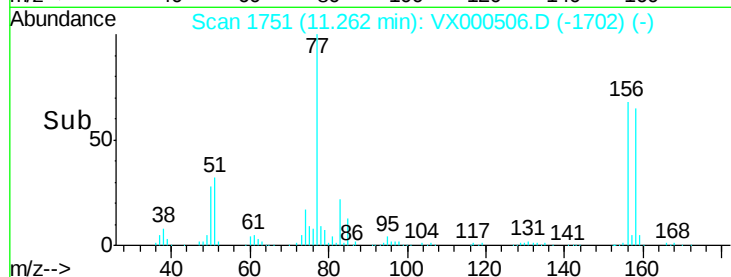
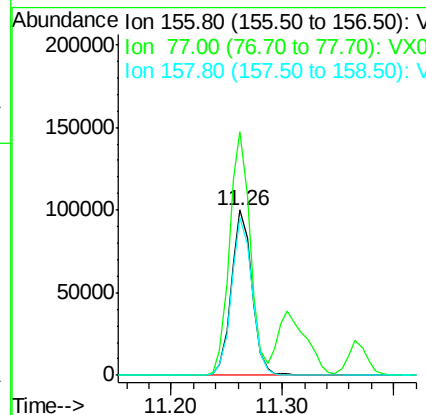
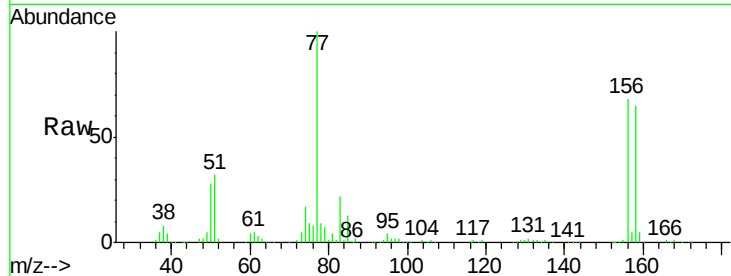
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.8	73.4	220.2
158	96.0	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 48.49 ug/l

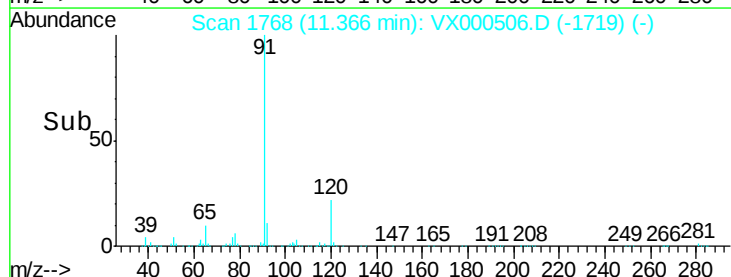
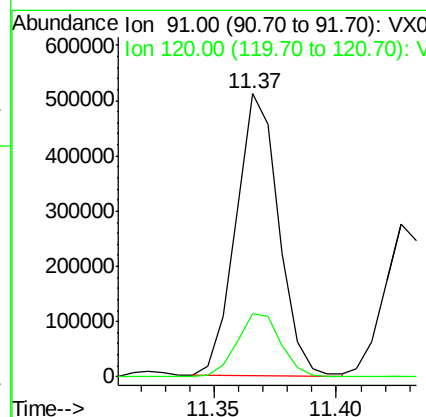
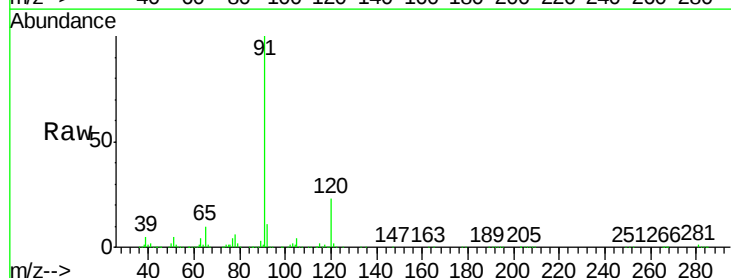
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.3





#79

2-Chlorotoluene

Concen: 47.42 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 348792

Ion Ratio Lower Upper

91 100

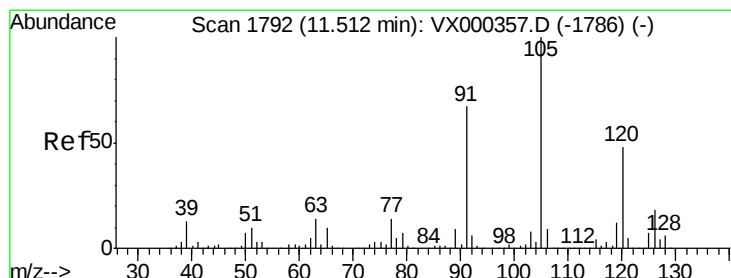
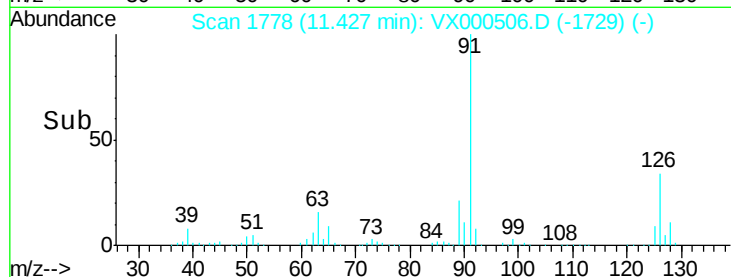
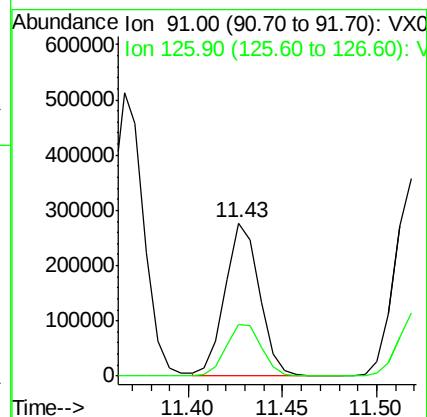
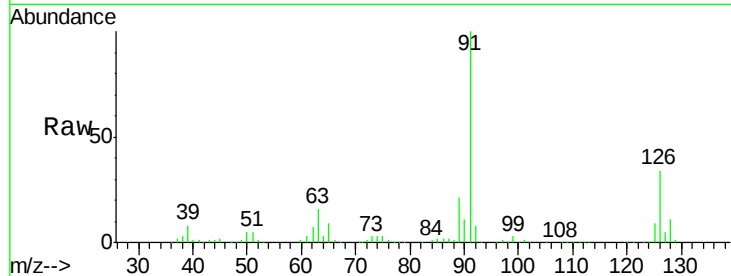
126 35.7 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000506.D

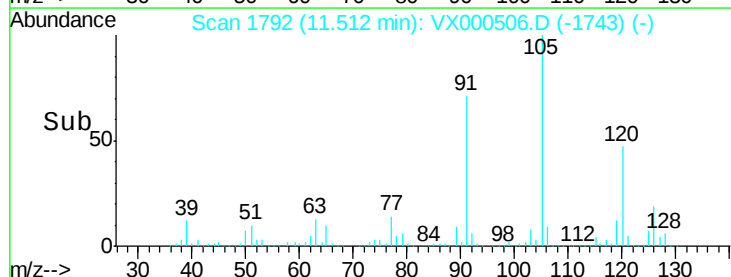
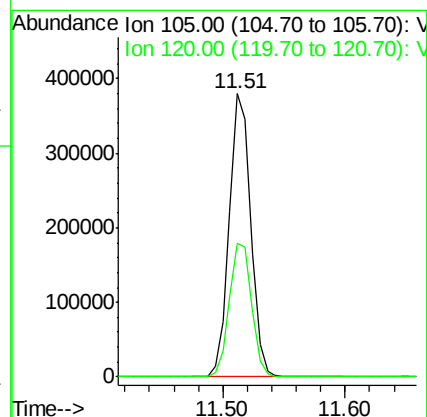
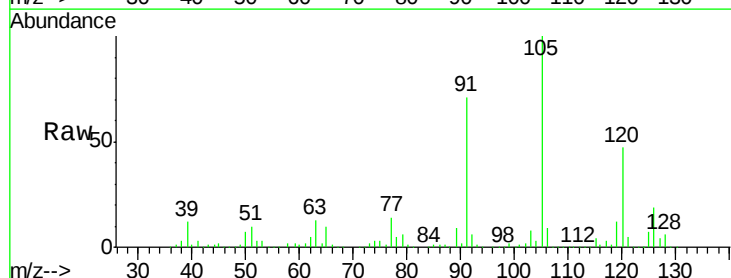
Acq: 29 Mar 2018 11:23

Tgt Ion: 105 Resp: 460529

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.40 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

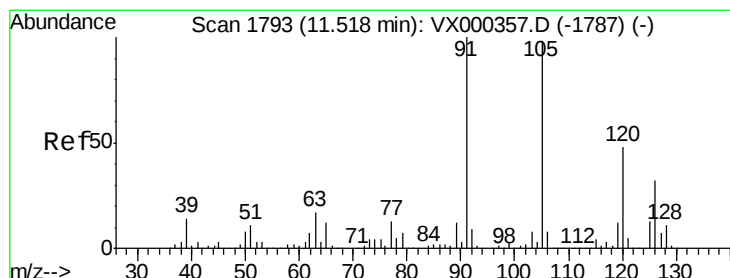
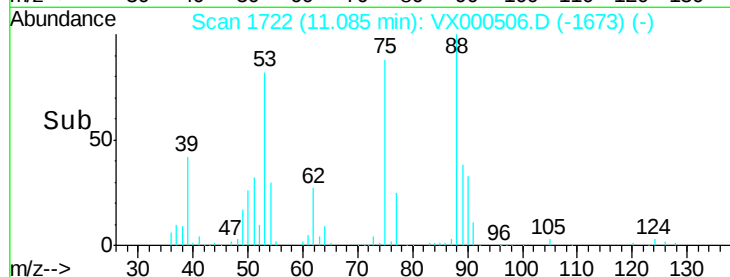
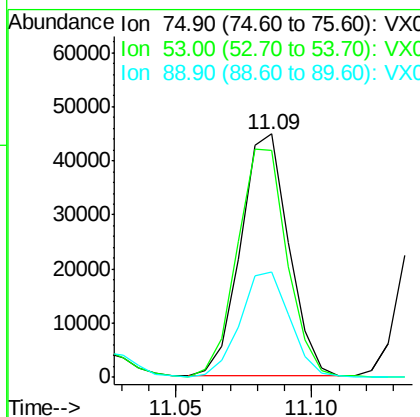
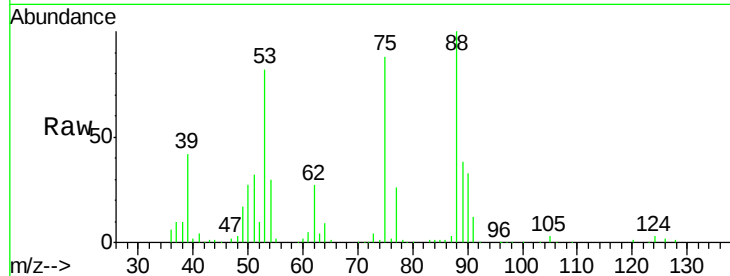
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	54992
Ion Ratio	Lower	Upper	
75	100		
53	98.2	80.7	121.1
89	45.1	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.34 ug/l

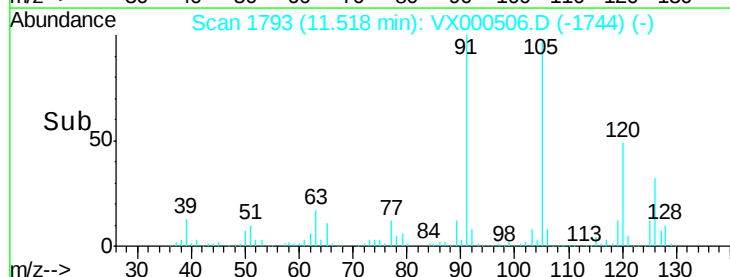
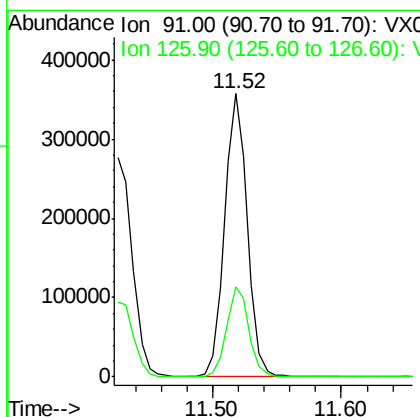
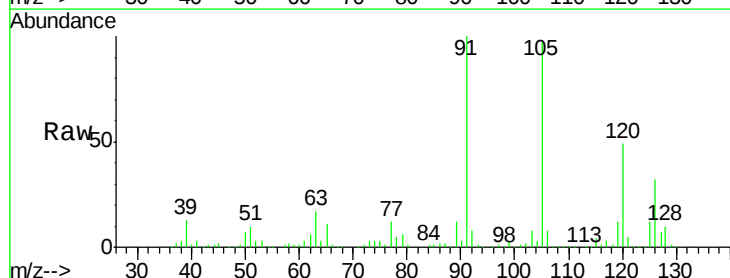
RT: 11.52 min Scan# 1793

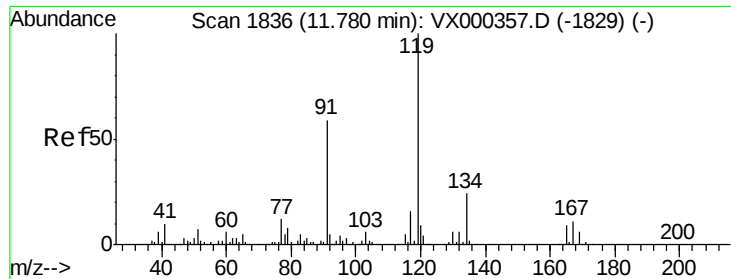
Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	91	Resp:	442136
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.4	46.1





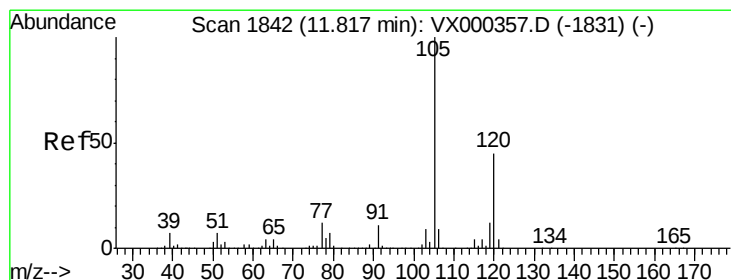
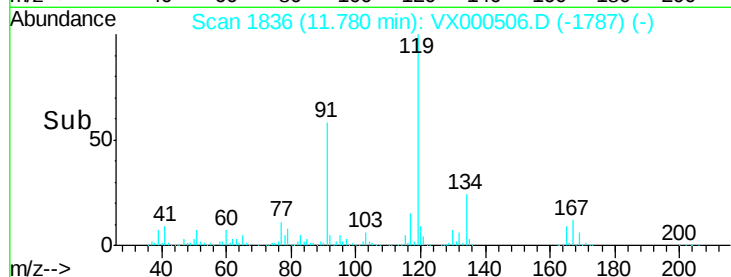
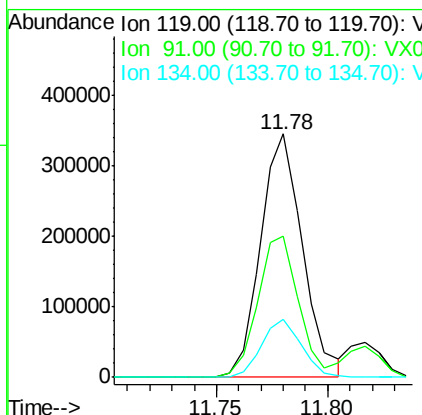
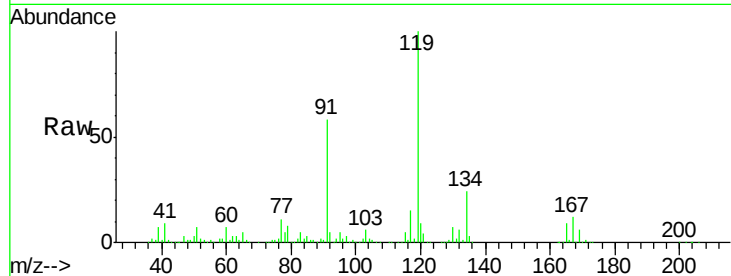
#83
 tert-Butylbenzene
 Concen: 50.01 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	452857		
91	56.2	28.8	86.4	
134	22.6	11.4	34.1	

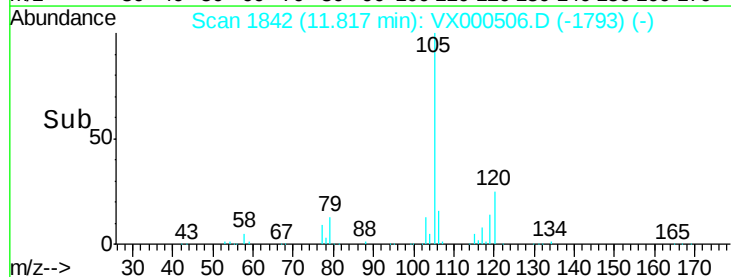
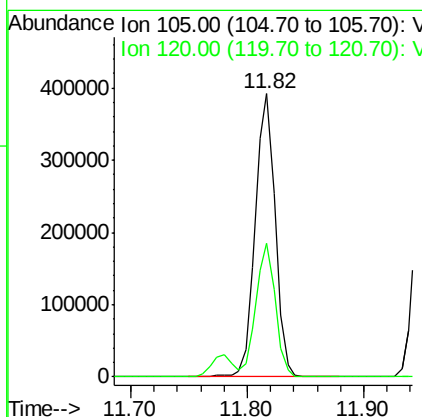
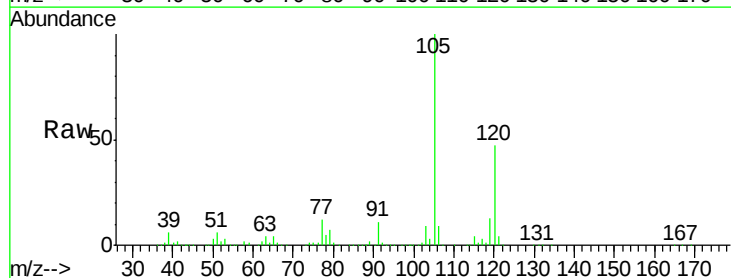
Manual Integrations
 APPROVED

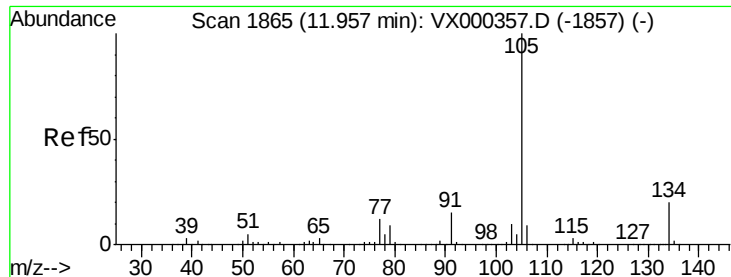
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.17 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	472307		
120	45.8	22.4	67.3	





#85

sec-Butylbenzene

Concen: 51.07 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 572258

Ion Ratio Lower Upper

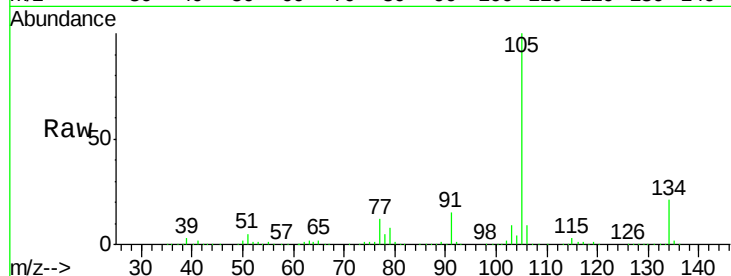
105 100

134 20.3 10.3 30.8

Manual Integrations
APPROVED

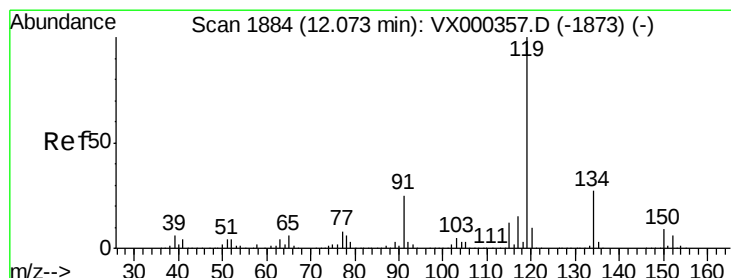
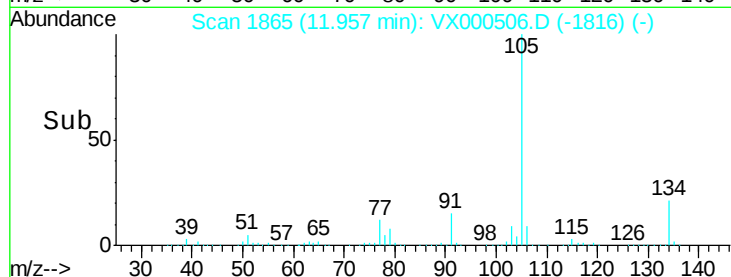
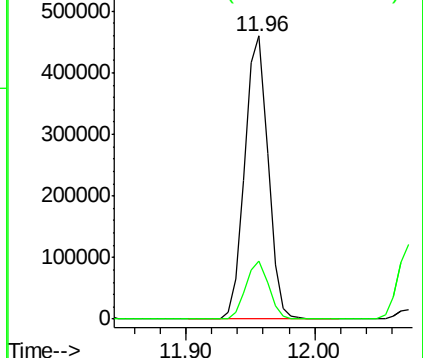
sam

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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: 52.96 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

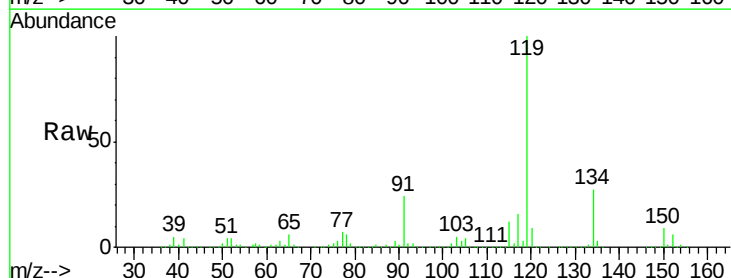
Tgt Ion:119 Resp: 527057

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

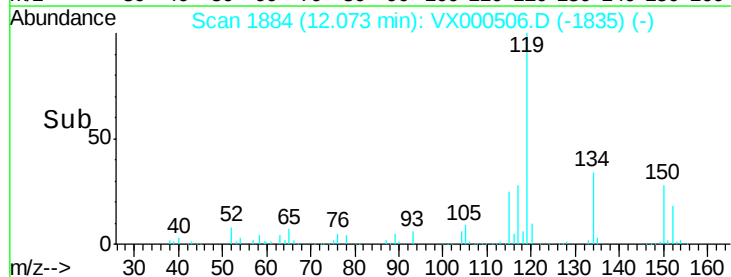
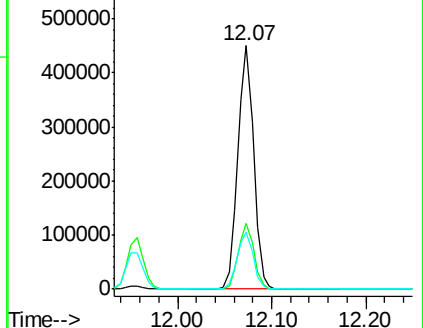
91 23.6 12.0 36.1



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





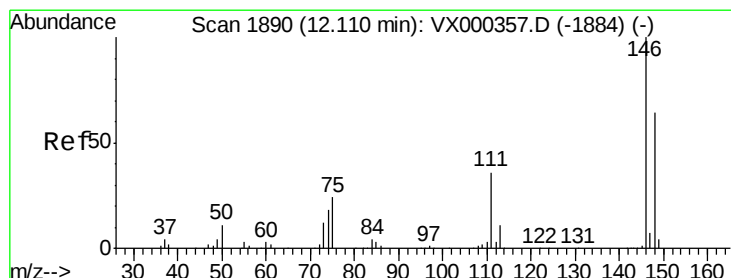
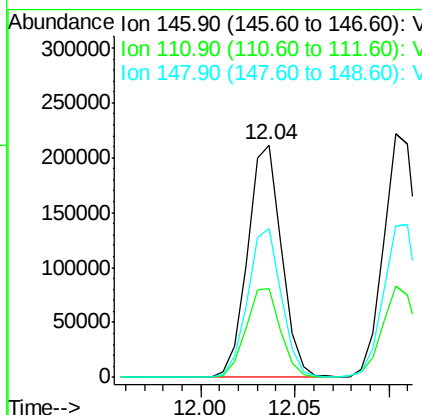
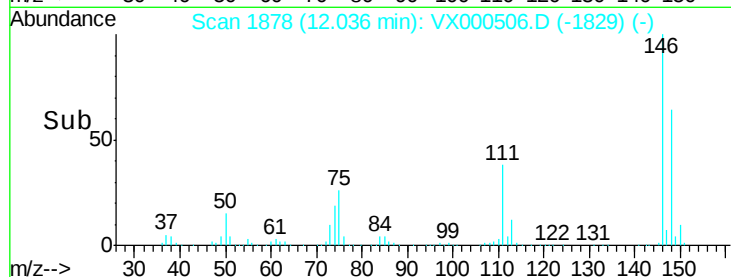
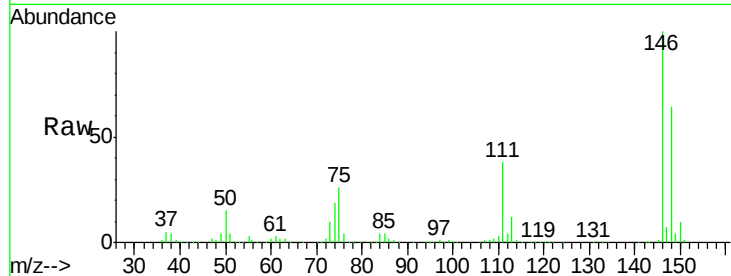
#87
 1,3-Dichlorobenzene
 Concen: 49.12 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.6	32.4	97.0

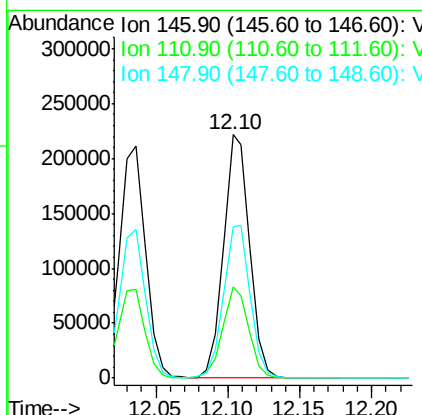
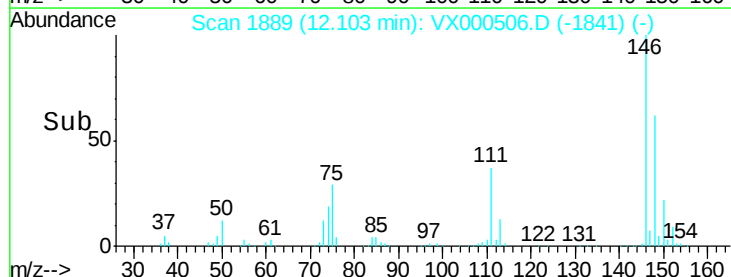
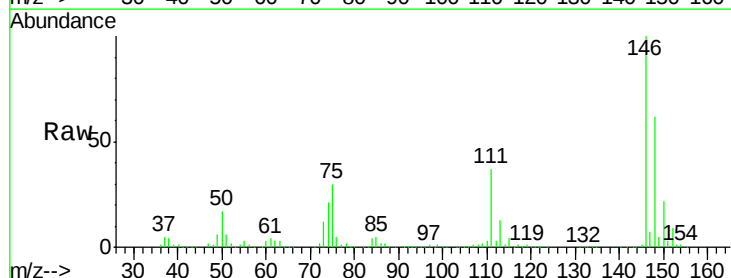
Manual Integrations
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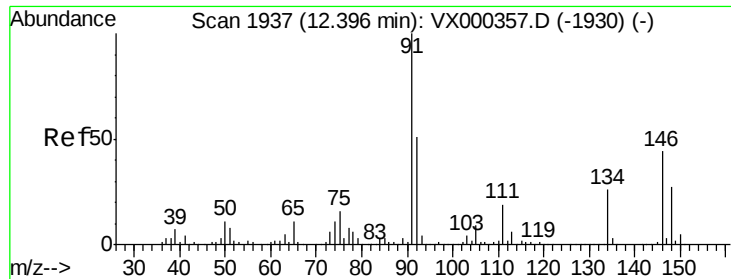
sam
 3/30/2018 4:10:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.08 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.2	31.0	93.0





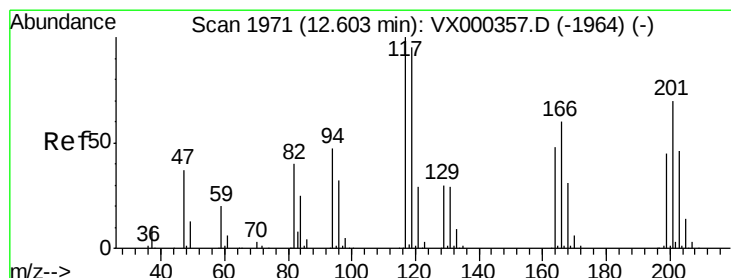
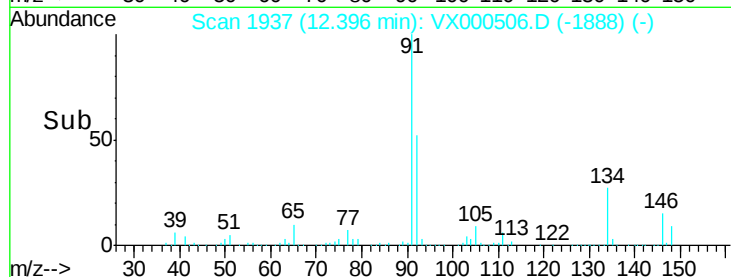
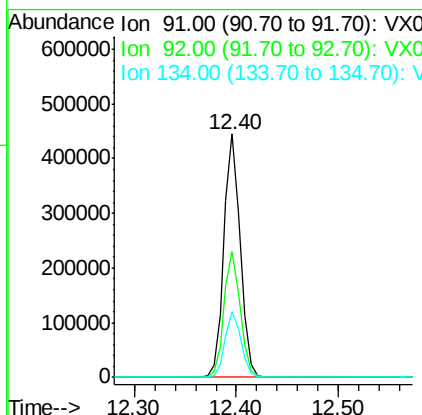
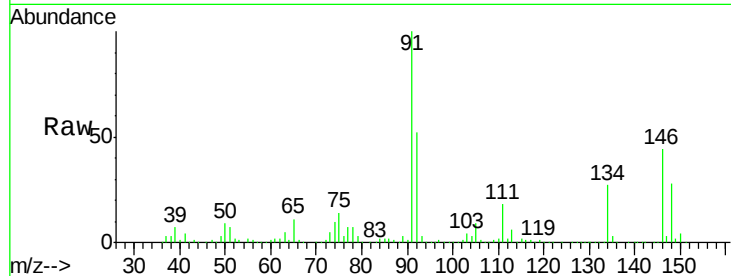
#89
n-Butylbenzene
Concen: 53.37 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.8
134	26.5	13.1	39.3

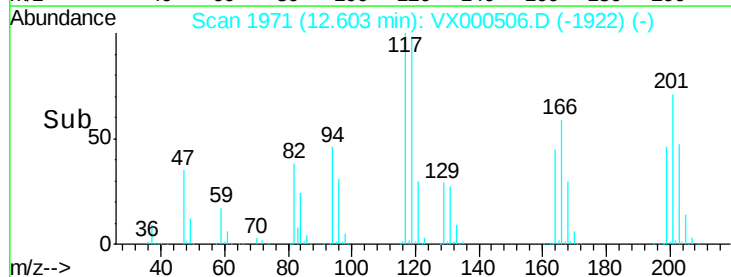
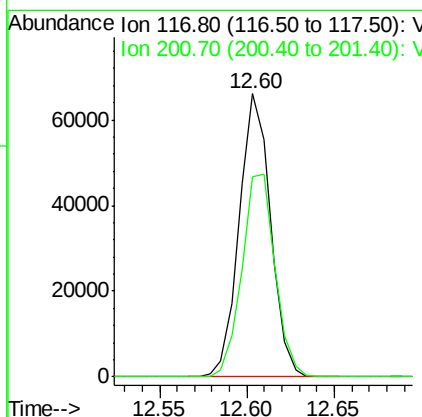
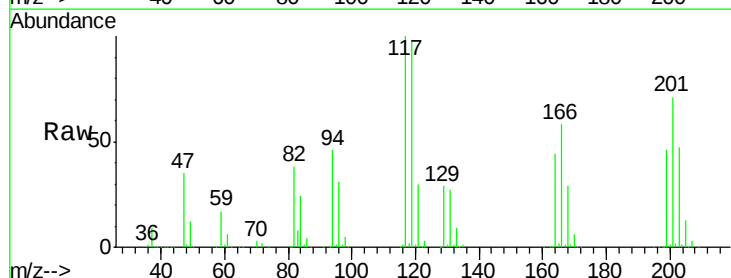
Manual Integrations
APPROVED

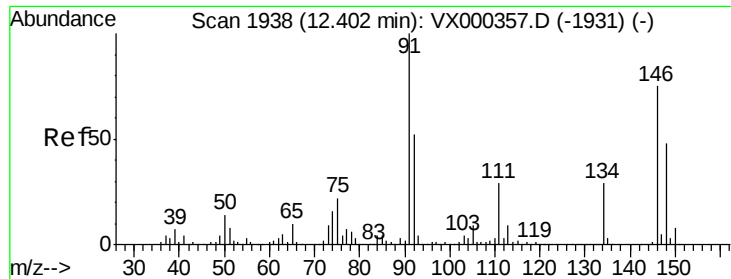
sam
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#90
Hexachloroethane
Concen: 52.40 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000506.D
Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	37.9	113.6





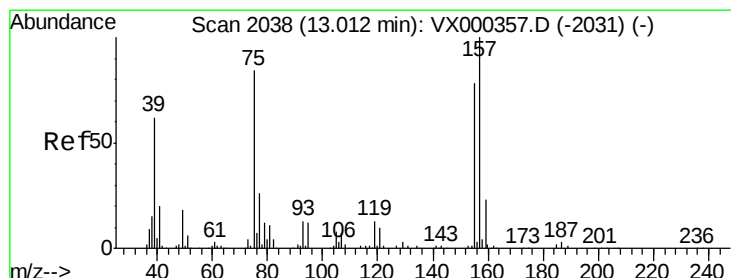
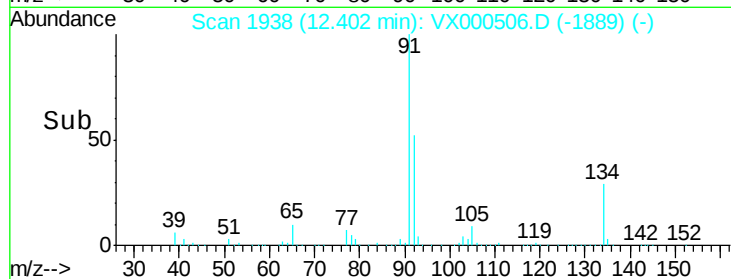
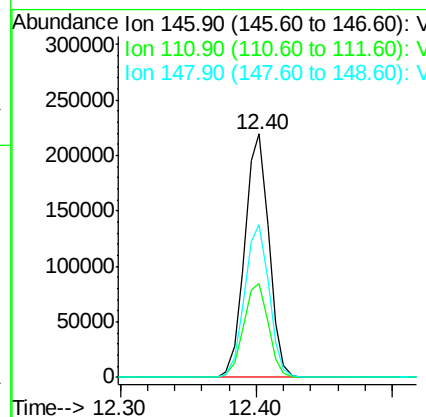
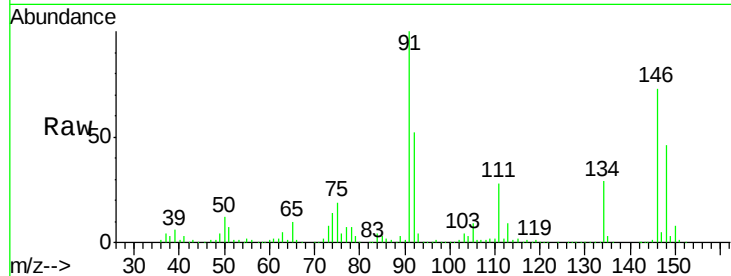
#91
 1,2-Dichlorobenzene
 Concen: 51.41 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.2
148	63.8	31.2	93.6

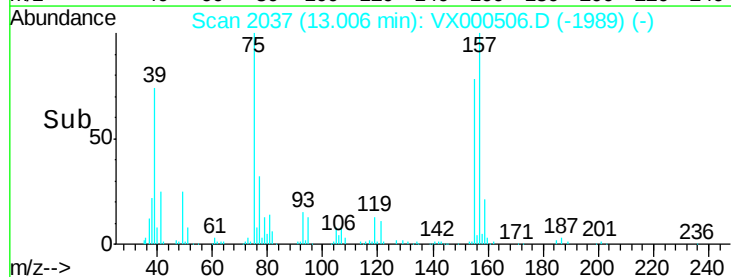
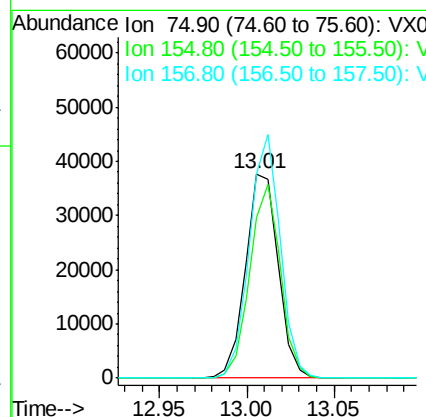
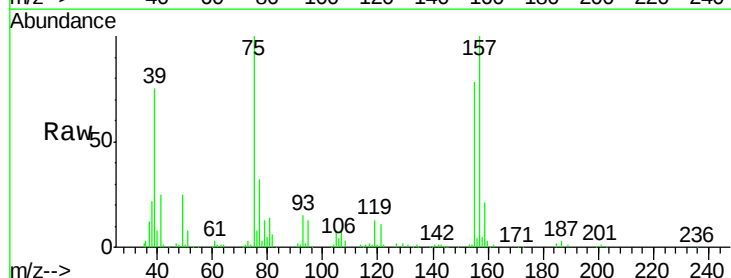
Manual Integrations
 APPROVED

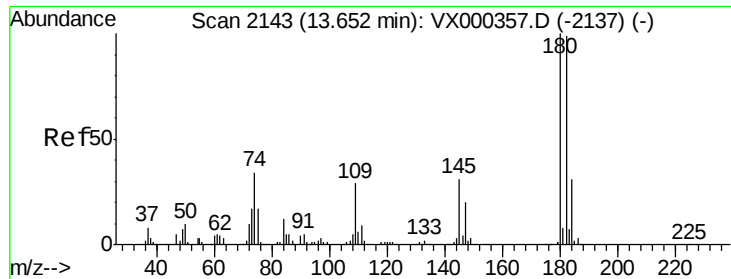
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.50 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	45.0	134.8
157	112.0	58.1	174.2





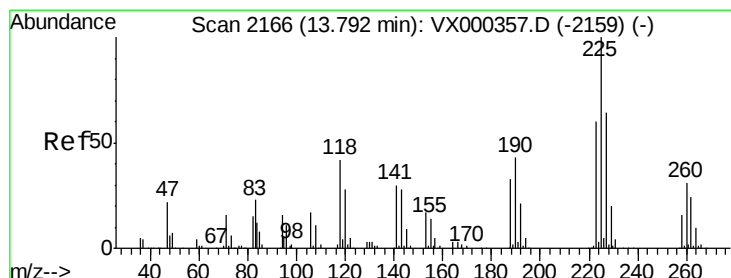
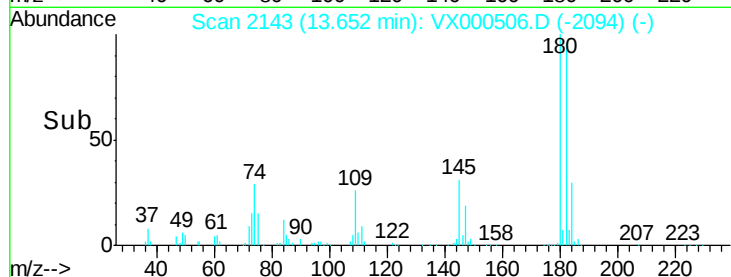
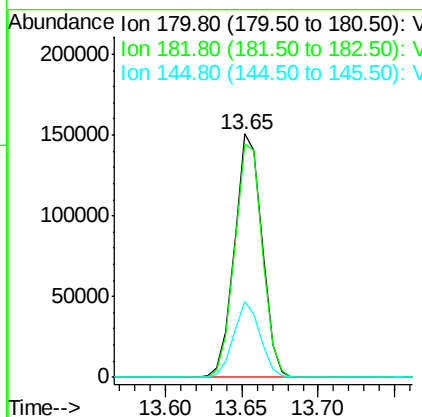
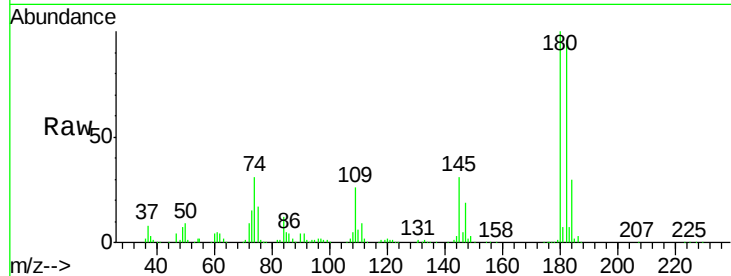
#93
 1,2,4-Trichlorobenzene
 Concen: 49.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	187086		
182	96.8	47.6	142.9	
145	29.7	15.1	45.3	

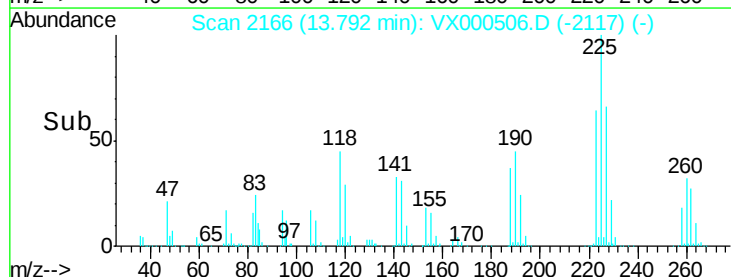
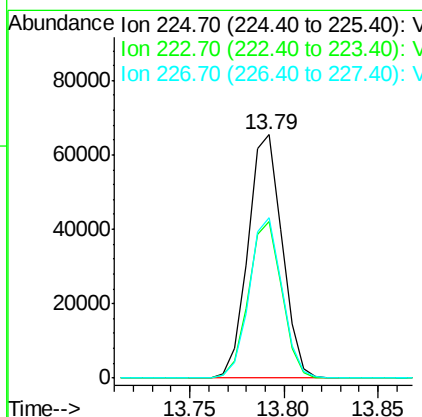
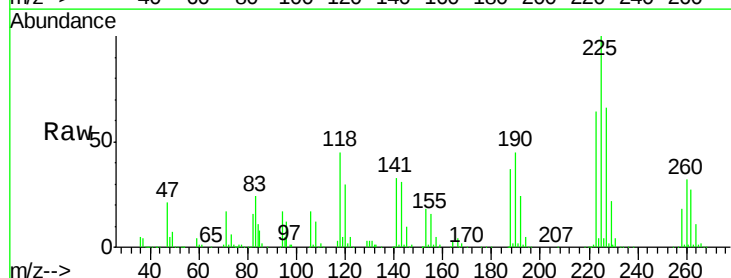
Manual Integrations
 APPROVED

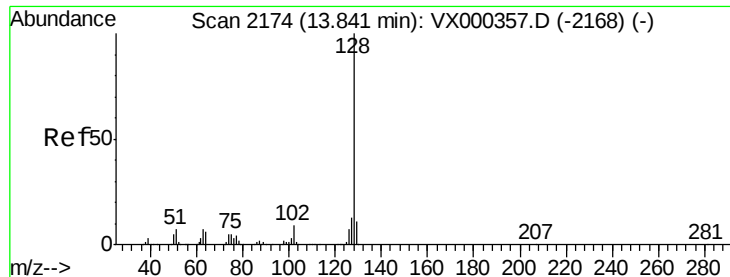
sam
 3/30/2018 4:10:17 PM



#94
 Hexachlorobutadiene
 Concen: 52.46 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000506.D
 Acq: 29 Mar 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82121		
223	62.5	32.0	96.0	
227	63.3	32.6	98.0	





#95

Naphthalene

Concen: 49.76 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Instrument :

MSVOA_X

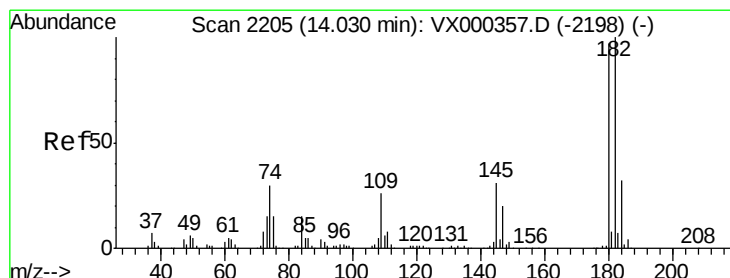
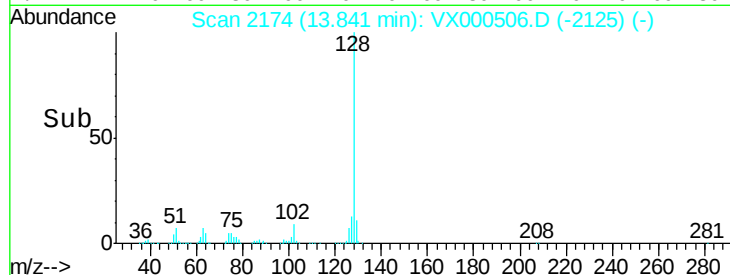
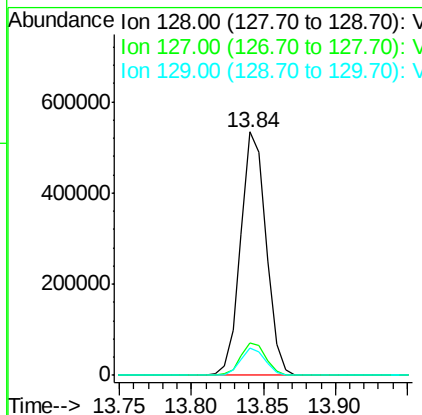
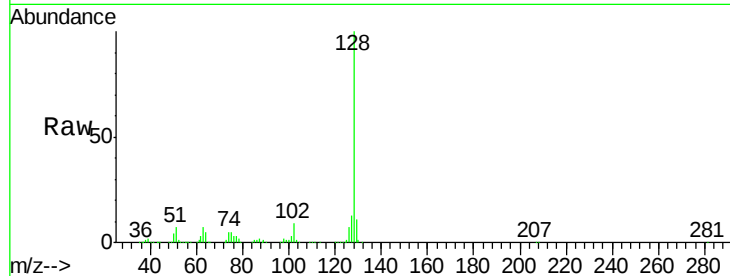
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	655297
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
APPROVED

sam
3/30/2018 4:10:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.50 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000506.D

Acq: 29 Mar 2018 11:23

Tgt Ion:	180	Resp:	188630
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.3
145	30.8	15.8	47.3

