

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032318\
 Data File : VX000432.D
 Acq On : 23 Mar 2018 17:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/26/2018 2:36:37 PM

Quant Time: Mar 24 06:49:02 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	5.67	168	134062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	210515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133518	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	84327	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	5.51	113	68029	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.73	98	277668	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.15	95	108848	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	64064	43.36	ug/l	99
3) Chloromethane	1.32	50	55656	35.76	ug/l	95
4) Vinyl Chloride	1.41	62	81006	49.25	ug/l	98
5) Bromomethane	1.64	94	46632	23.71	ug/l	99
6) Chloroethane	1.72	64	54053	54.79	ug/l	100
7) Trichlorofluoromethane	1.93	101	146184	49.24	ug/l	98
8) Diethyl Ether	2.19	74	51052	48.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82814	50.03	ug/l	100
10) Methyl Iodide	2.51	142	20786	15.87	ug/l	99
11) Tert butyl alcohol	3.07	59	154864	257.27	ug/l	99
12) 1,1-Dichloroethene	2.38	96	71300	49.07	ug/l	96
13) Acrolein	2.30	56	41766	219.21	ug/l	98
14) Allyl chloride	2.73	41	130883	51.00	ug/l	98
15) Acrylonitrile	3.15	53	301401	247.22	ug/l	100
16) Acetone	2.45	43	381815	262.28	ug/l	96
17) Carbon Disulfide	2.57	76	184058	47.62	ug/l	100
18) Methyl Acetate	2.78	43	157277	51.53	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	265818	49.46	ug/l	99
20) Methylene Chloride	2.86	84	87383	51.97	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	75772	46.75	ug/l	92
22) Diisopropyl ether	3.88	45	253630	55.84	ug/l	99
23) Vinyl Acetate	3.83	43	1229456	285.50	ug/l	99
24) 1,1-Dichloroethane	3.70	63	146058	51.14	ug/l	99
25) 2-Butanone	4.71	43	402504	245.98	ug/l	100
26) 2,2-Dichloropropane	4.59	77	100130	50.02	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	70768	46.71	ug/l	99
28) Bromochloromethane	5.03	49	56777	48.21	ug/l	99
29) Tetrahydrofuran	5.18	42	244343	242.70	ug/l	99
30) Chloroform	5.23	83	132031	49.33	ug/l	98
31) Cyclohexane	5.59	56	101207	45.84	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	116006	48.04	ug/l	99
36) 1,1-Dichloropropene	5.81	75	96002	48.68	ug/l	99
37) Ethyl Acetate	4.87	43	130565	48.47	ug/l	100
38) Carbon Tetrachloride	5.79	117	103180	49.88	ug/l	96

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Quant Time: Mar 24 06:49:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	118174	49.28	ug/l	98
40) Benzene	6.15	78	283725	49.55	ug/l	99
41) Methacrylonitrile	5.07	41	68823	48.46	ug/l	99
42) 1,2-Dichloroethane	6.21	62	111624	49.68	ug/l	100
43) Isopropyl Acetate	6.48	43	203116	50.66	ug/l	98
44) Trichloroethene	7.22	130	79069	48.20	ug/l	99
45) 1,2-Dichloropropane	7.52	63	73941	50.44	ug/l	98
46) Dibromomethane	7.67	93	56931	49.48	ug/l	98
47) Bromodichloromethane	7.91	83	107293	53.00	ug/l	94
48) Methyl methacrylate	7.79	41	100891	51.83	ug/l	99
49) 1,4-Dioxane	7.77	88	44233	1081.06	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	821536	264.71	ug/l	99
52) Toluene	8.79	92	203922	50.94	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	122517	52.23	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	121635	53.46	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	83807	50.91	ug/l	97
56) Ethyl methacrylate	9.19	69	132044	52.93	ug/l	99
57) 1,3-Dichloropropane	9.38	76	137259	52.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	313406	261.76	ug/l	99
59) 2-Hexanone	9.51	43	706497	268.10	ug/l	99
60) Dibromochloromethane	9.59	129	91453	47.19	ug/l	100
61) 1,2-Dibromoethane	9.68	107	93231	52.81	ug/l	98
64) Tetrachloroethene	9.34	164	78019	45.23	ug/l	95
65) Chlorobenzene	10.15	112	235942	47.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	84402	50.24	ug/l	98
67) Ethyl Benzene	10.26	91	409196	48.80	ug/l	99
68) m/p-Xylenes	10.37	106	324394	98.31	ug/l	99
69) o-Xylene	10.71	106	155783	48.76	ug/l	98
70) Styrene	10.72	104	262856	49.72	ug/l	99
71) Bromoform	10.87	173	72306	42.13	ug/l #	96
73) Isopropylbenzene	11.02	105	437648	49.47	ug/l	99
74) N-amyl acetate	6.48	43	203116	52.86	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	154663	49.43	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	138002m	48.09	ug/l	
77) Bromobenzene	11.26	156	107552	45.64	ug/l	98
78) n-propylbenzene	11.37	91	520656	49.36	ug/l	99
79) 2-Chlorotoluene	11.43	91	288389	47.33	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	379077	50.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	44332	50.02	ug/l	95
82) 4-Chlorotoluene	11.52	91	353221	48.55	ug/l	97
83) tert-Butylbenzene	11.78	119	374679	49.94	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	398022	51.04	ug/l	100
85) sec-Butylbenzene	11.96	105	476493	51.33	ug/l	100
86) p-Isopropyltoluene	12.07	119	429476	52.10	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	214455	48.13	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	222057	47.47	ug/l	97
89) n-Butylbenzene	12.40	91	401294	52.28	ug/l	99
90) Hexachloroethane	12.60	117	69246	53.37	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	216810	49.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45034	51.61	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	146011	46.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	67126	51.76	ug/l	98
95) Naphthalene	13.84	128	546818	50.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	152734	49.35	ug/l	99

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

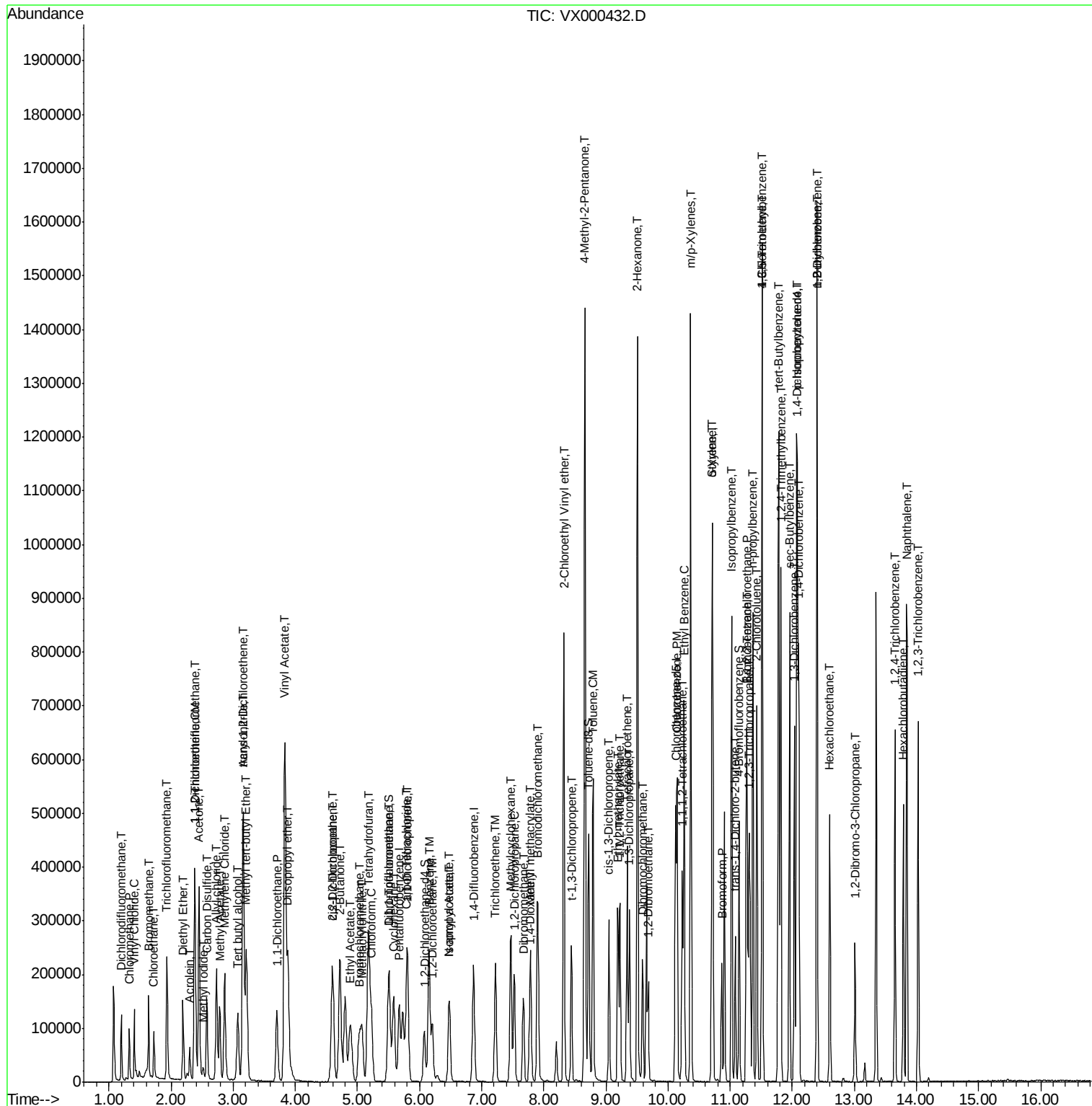
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Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032318\  
Data File : VX000432.D  
Acq On    : 23 Mar 2018  17:23  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 12      Sample Multiplier: 1
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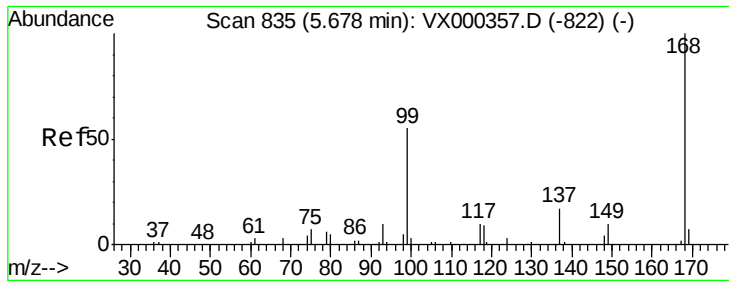
Instrument :
MSVOA_X
ClientSampleId :
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#1

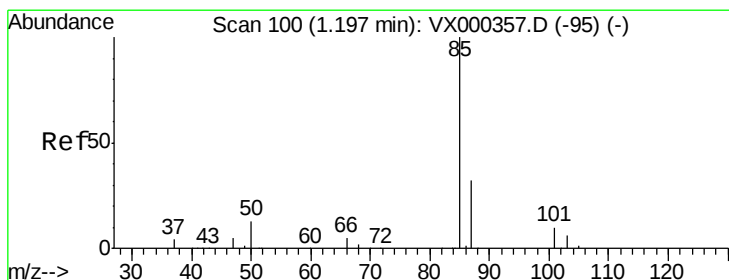
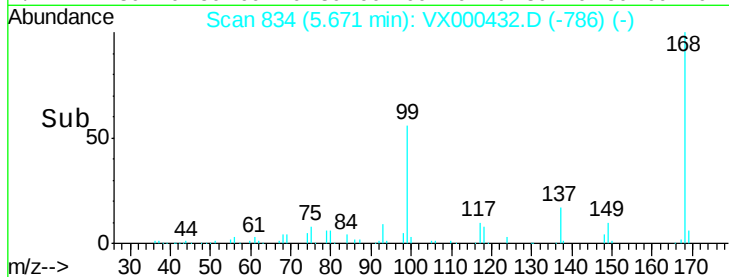
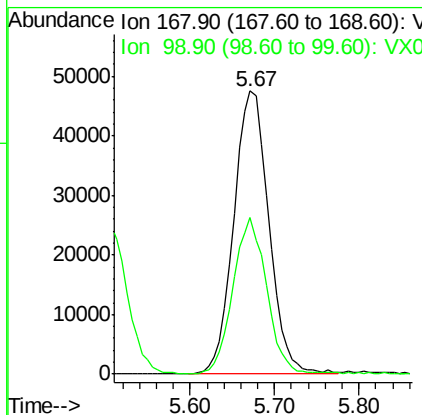
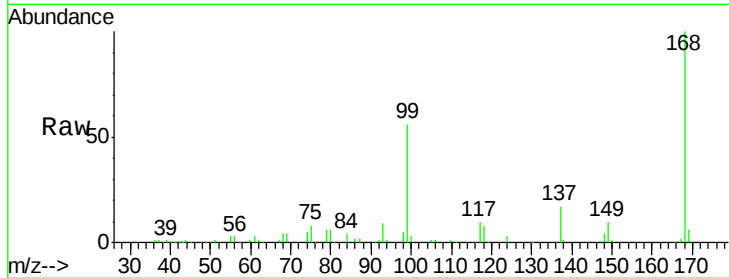
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.3	45.8	68.6

Manual Integrations
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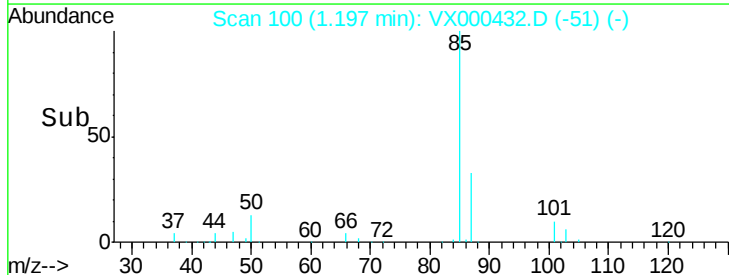
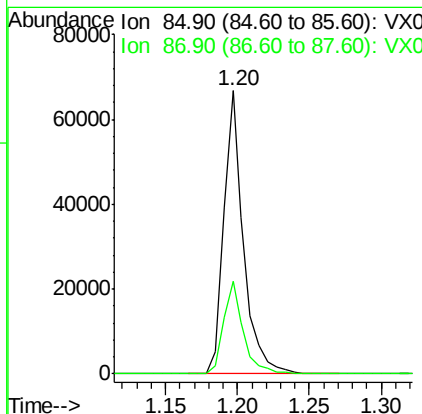
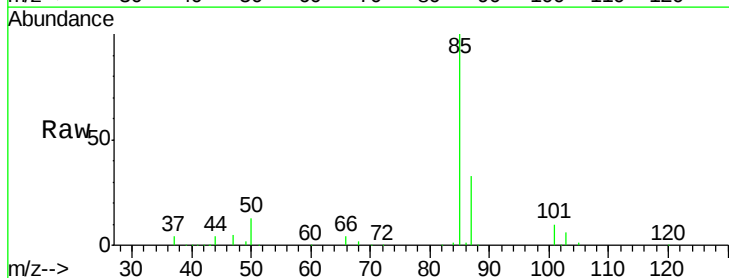
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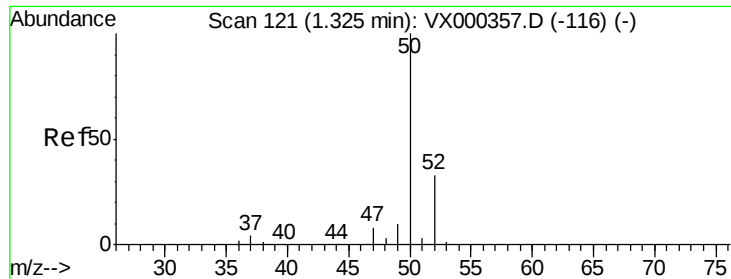


#2

Dichlorodifluoromethane
 Concen: 43.36 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.8	50.3





#3

Chloromethane

Concen: 35.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 55656

Ion Ratio Lower Upper

50 100

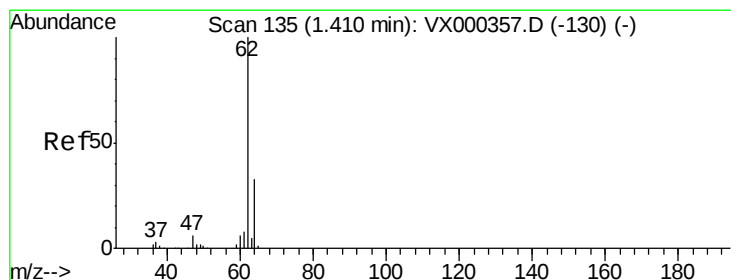
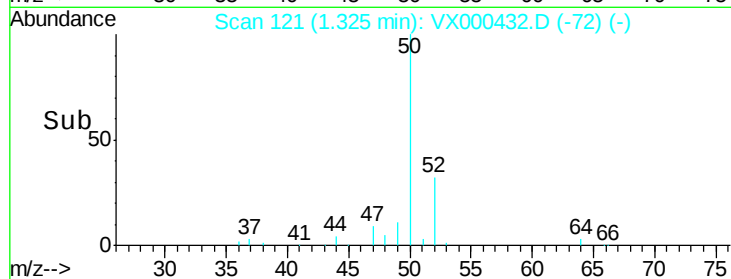
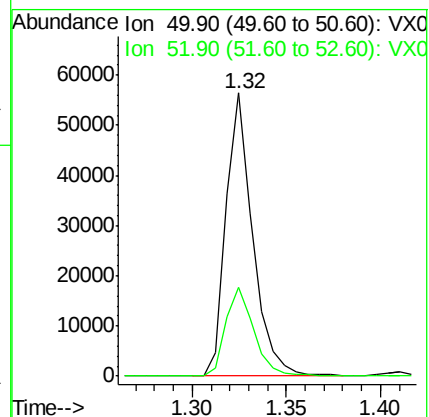
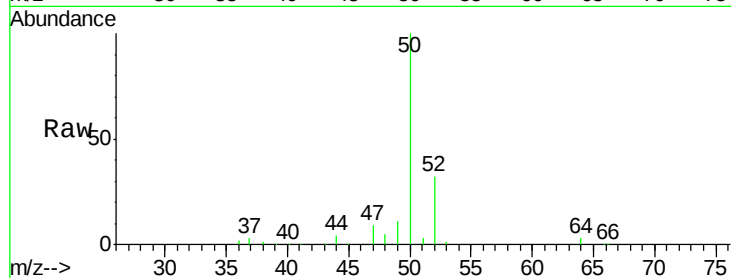
52 31.5 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.25 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000432.D

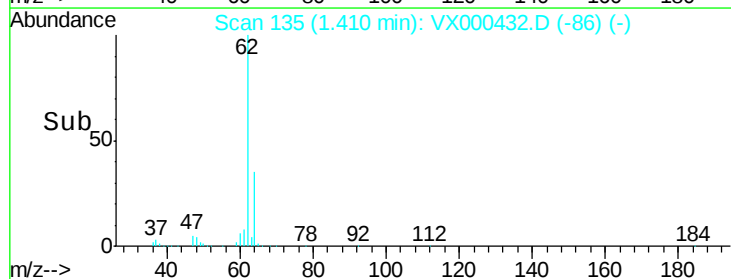
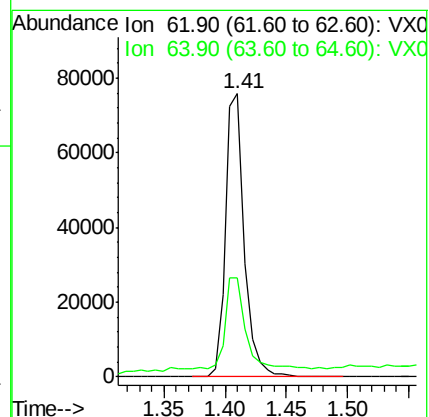
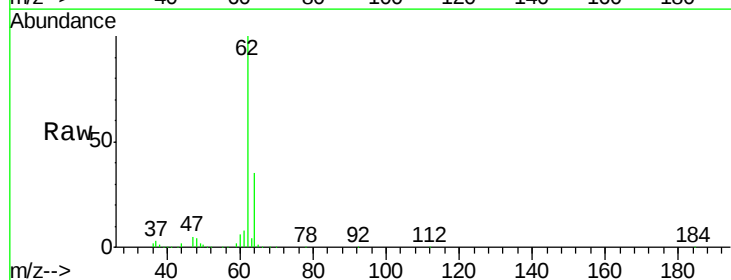
Acq: 23 Mar 2018 17:23

Tgt Ion: 62 Resp: 81006

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 23.71 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 46632

Ion Ratio Lower Upper

94 100

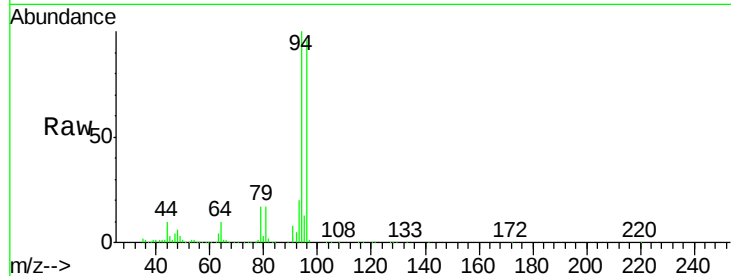
96 95.6 77.7 116.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

50000

40000

30000

20000

10000

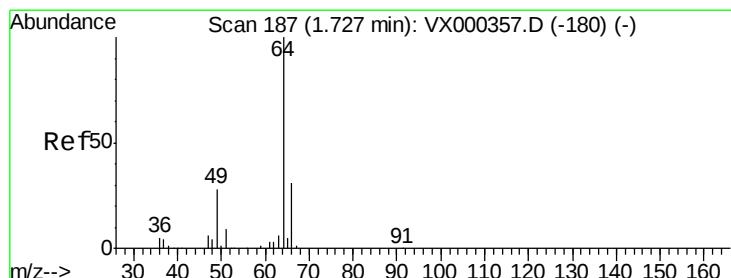
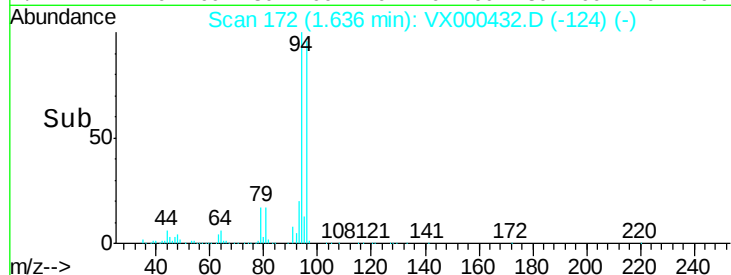
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 54.79 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000432.D

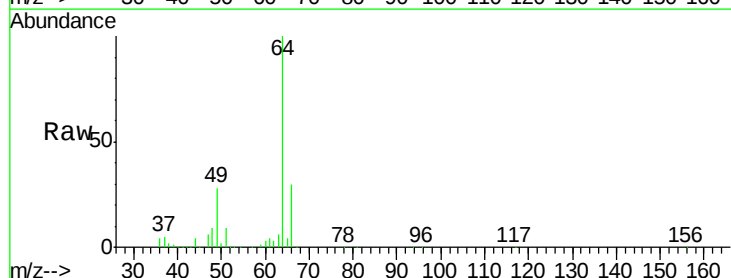
Acq: 23 Mar 2018 17:23

Tgt Ion: 64 Resp: 54053

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

50000

40000

30000

20000

10000

0

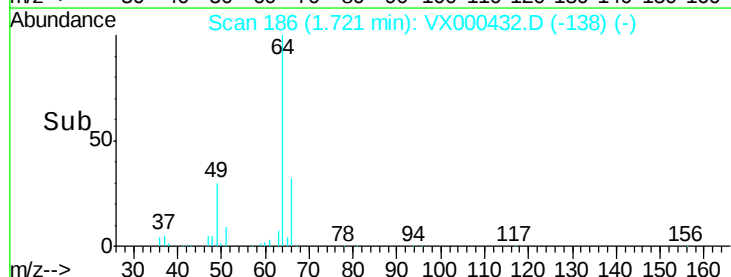
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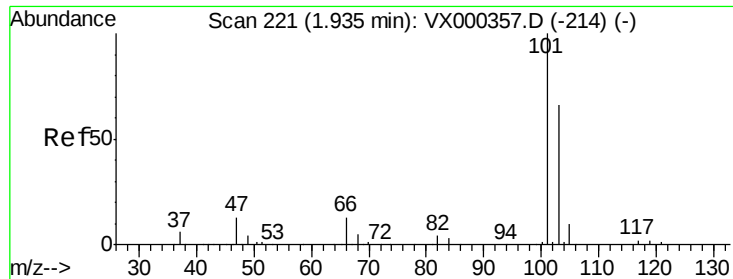
1.70

1.75

1.80

Time-->





#7

Trichlorofluoromethane

Concen: 49.24 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 146184

Ion Ratio Lower Upper

101 100

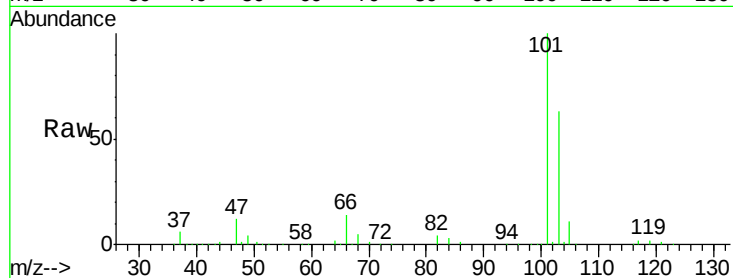
103 62.7 51.6 77.4

Manual Integrations

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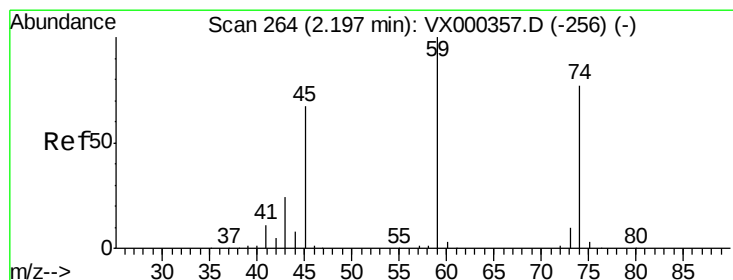
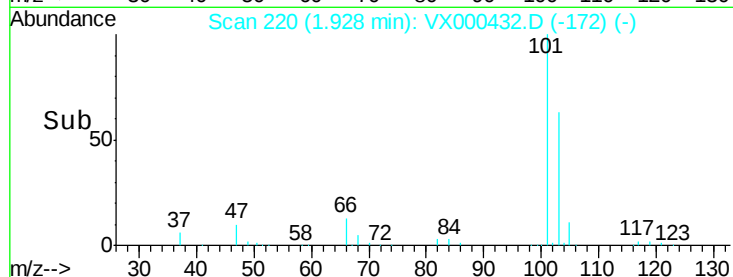
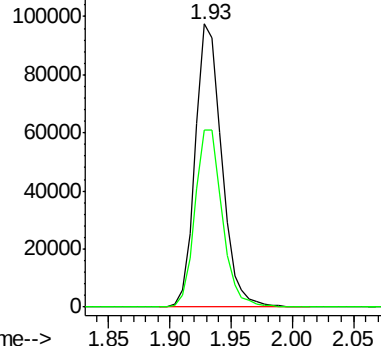
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.12 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX000432.D

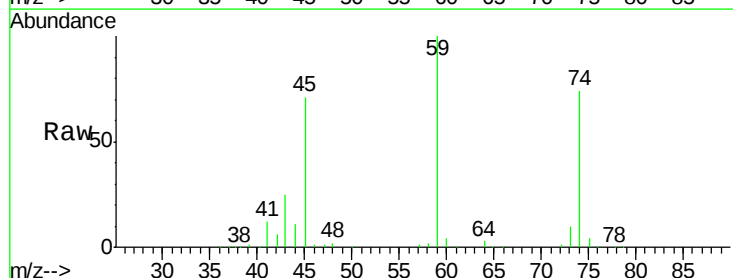
Acq: 23 Mar 2018 17:23

Tgt Ion: 74 Resp: 51052

Ion Ratio Lower Upper

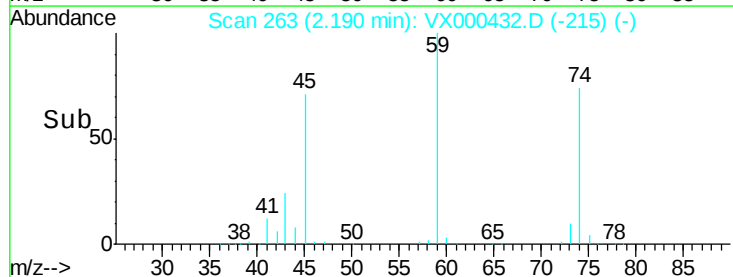
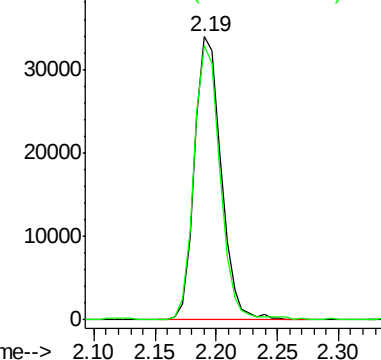
74 100

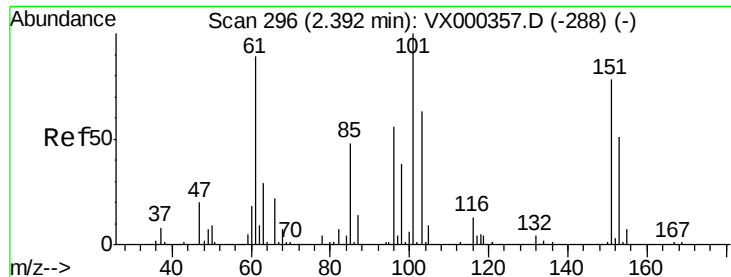
45 96.2 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.03 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

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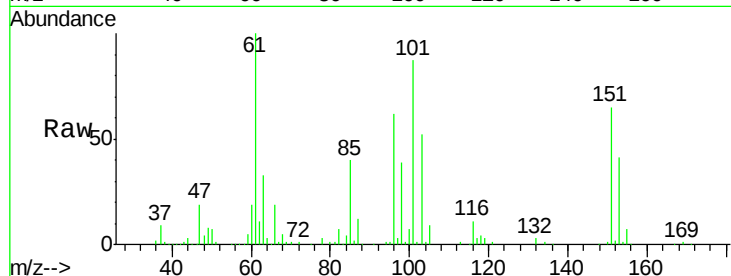
ClientSampleId :

VSTDCCC050EC

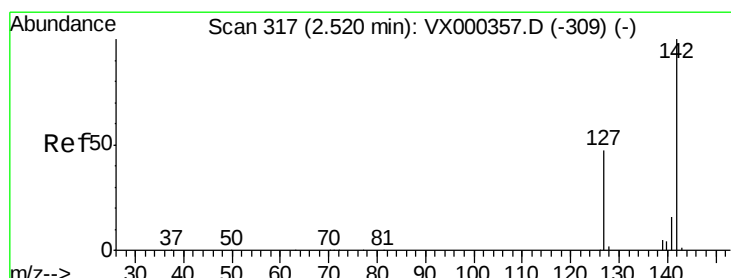
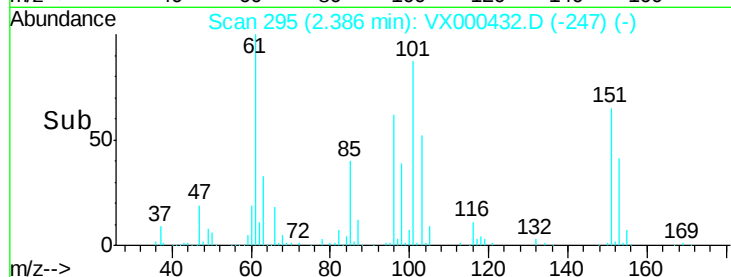
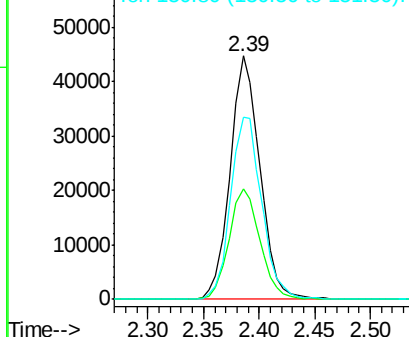
Tot Ion:	101	Resp:	82814
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.6	56.4
151	78.2	62.6	93.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.87 ug/l

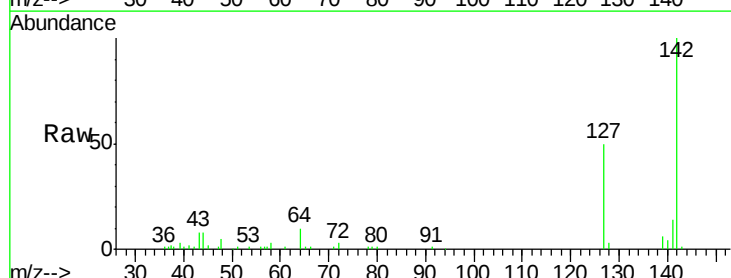
RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

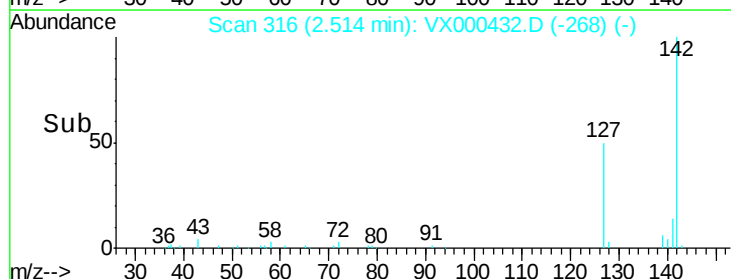
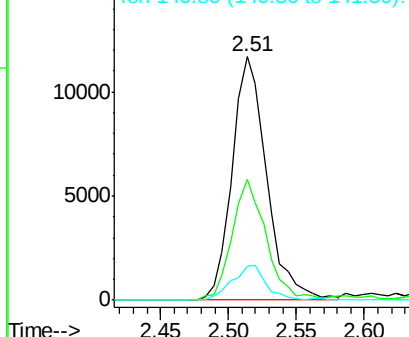
Lab File: VX000432.D

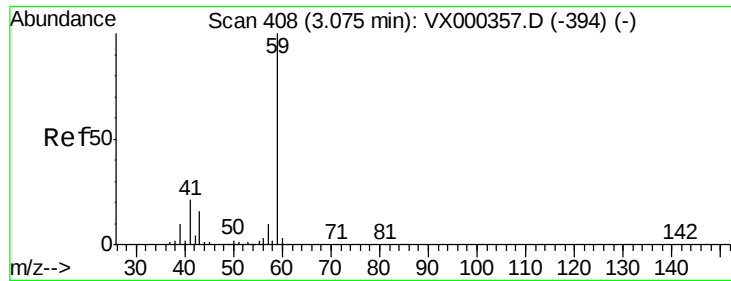
Acq: 23 Mar 2018 17:23

Tgt Ion:	142	Resp:	20786
Ion Ratio	Lower	Upper	
142	100		
127	48.6	39.2	58.8
141	13.9	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





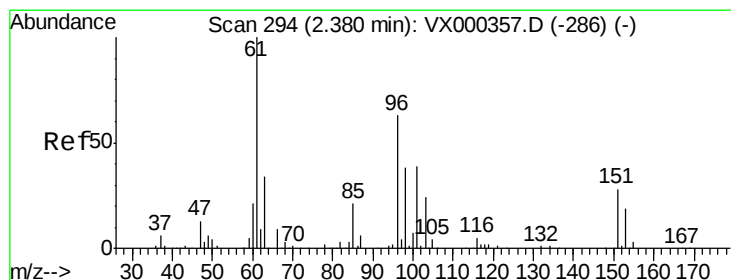
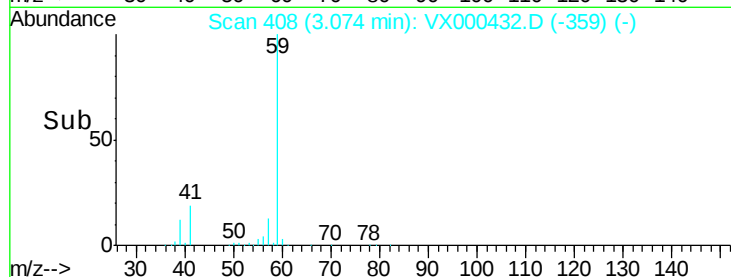
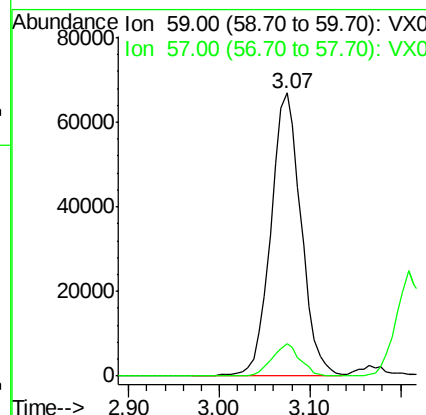
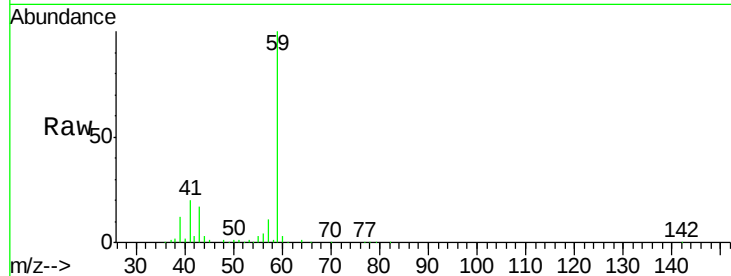
#11
Tert butyl alcohol
Concen: 257.27 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	154864
Ion Ratio	100	Lower	Upper
57	10.8	8.4	12.6

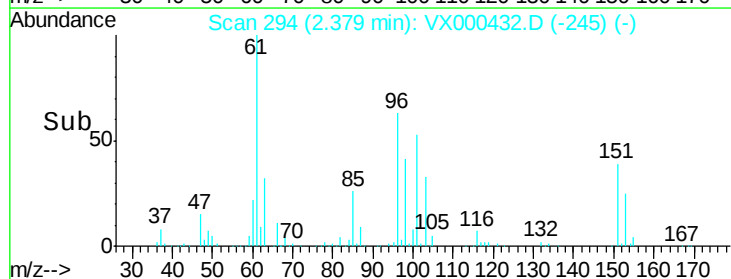
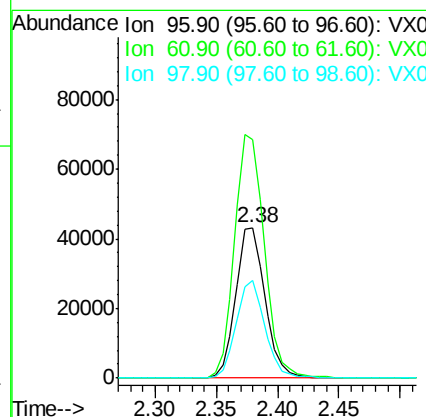
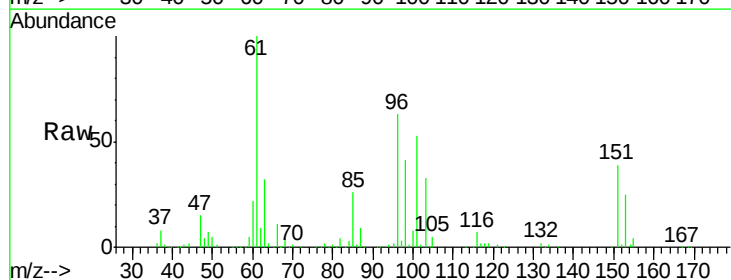
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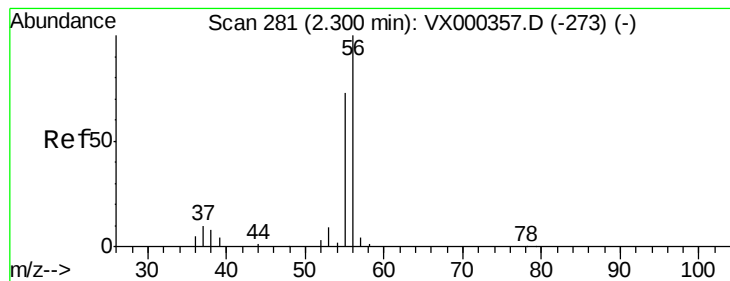
sam
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#12
1,1-Dichloroethene
Concen: 49.07 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	96	Resp	71300
Ion Ratio	100	Lower	Upper
61	158.8	131.2	196.8
98	64.8	49.8	74.8





#13

Acrolein

Concen: 219.21 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41766

Ion Ratio Lower Upper

56 100

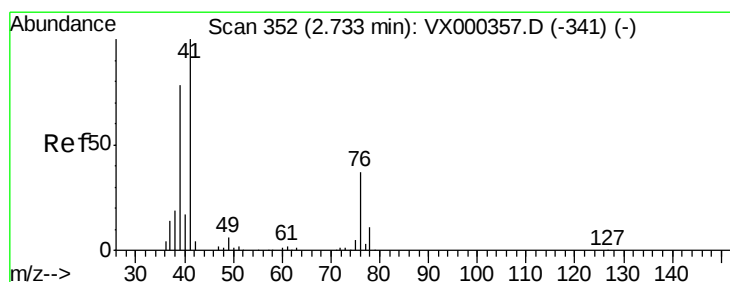
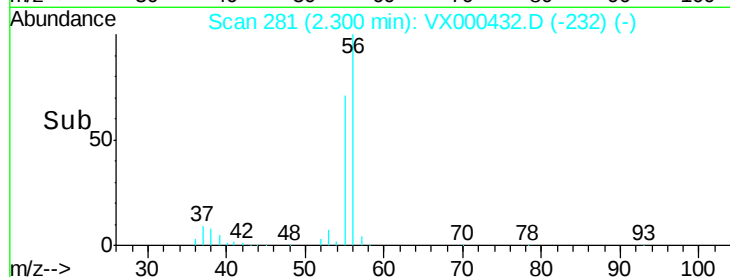
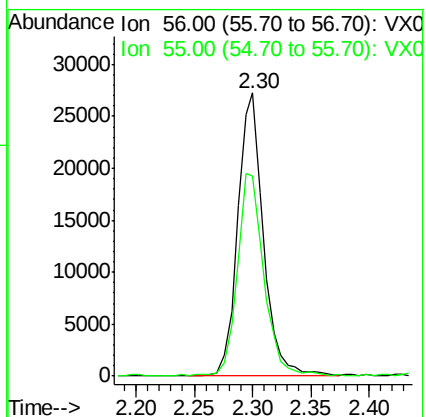
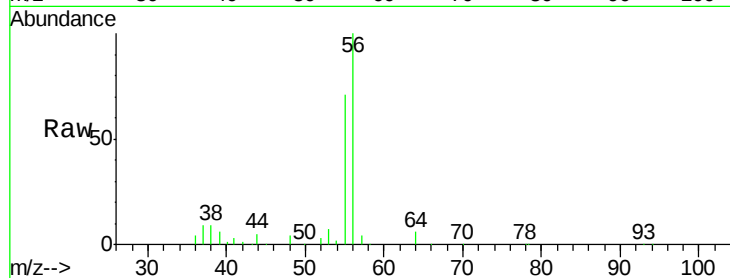
55 74.8 58.8 88.2

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#14

Allyl chloride

Concen: 51.00 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

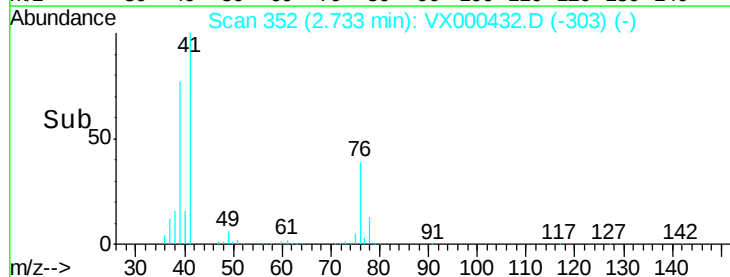
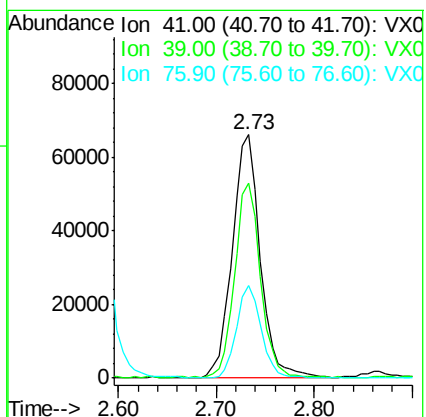
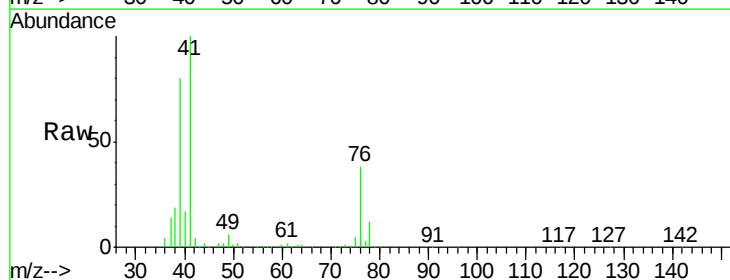
Tgt Ion: 41 Resp: 130883

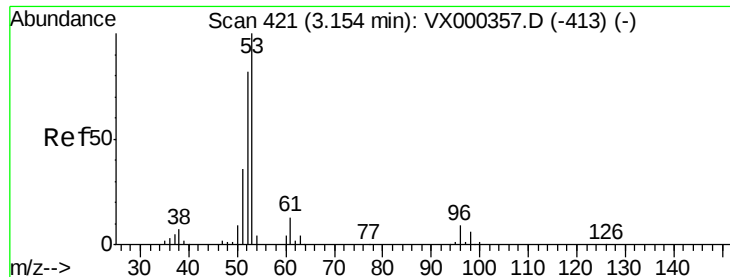
Ion Ratio Lower Upper

41 100

39 74.1 57.6 86.4

76 33.9 27.3 40.9





#15

Acrylonitrile

Concen: 247.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

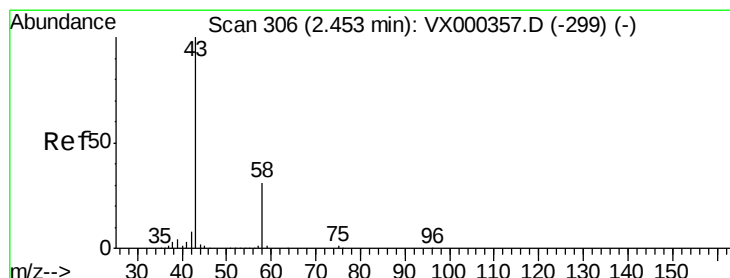
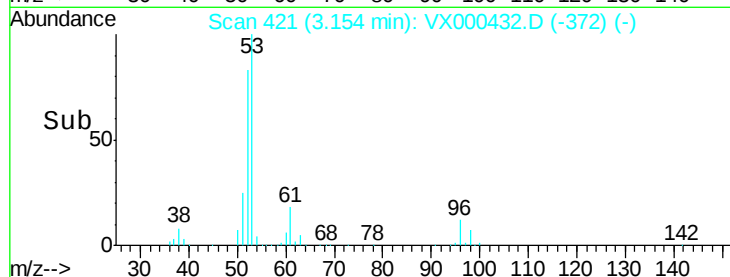
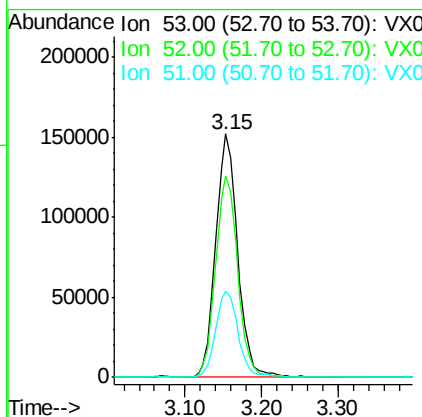
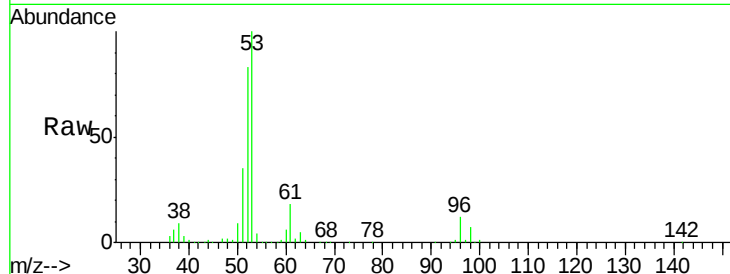
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	301401
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.6	99.8
51	36.8	29.3	43.9

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#16

Acetone

Concen: 262.28 ug/l

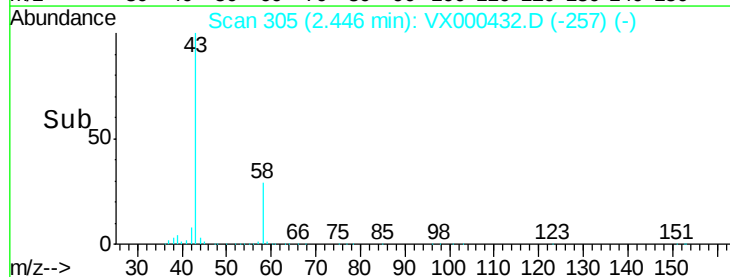
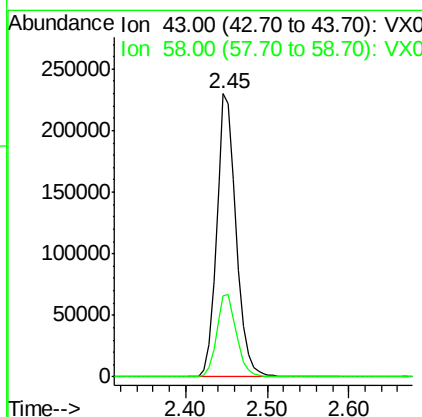
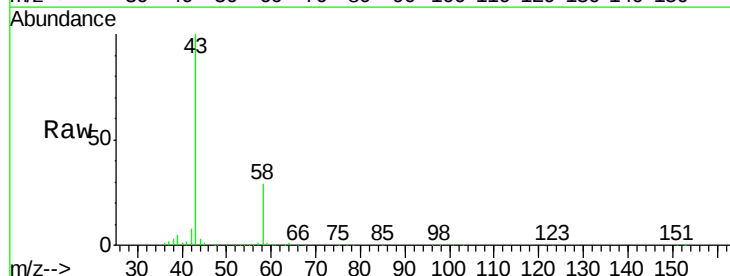
RT: 2.45 min Scan# 305

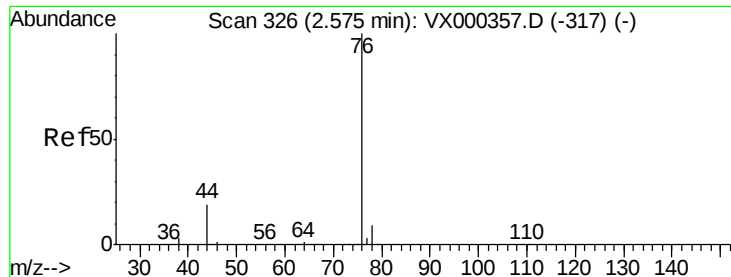
Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	43	Resp:	381815
Ion Ratio		Lower	Upper
43	100		
58	28.7	24.7	37.1





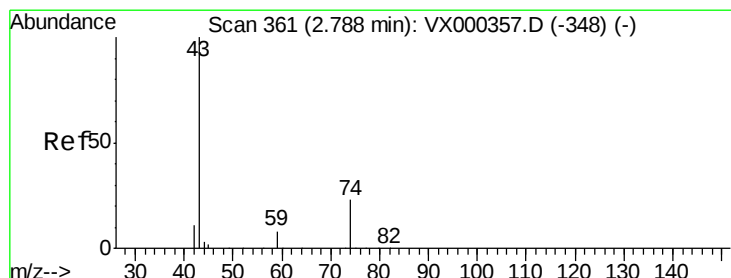
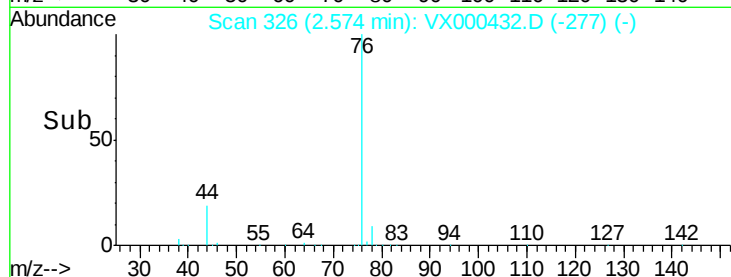
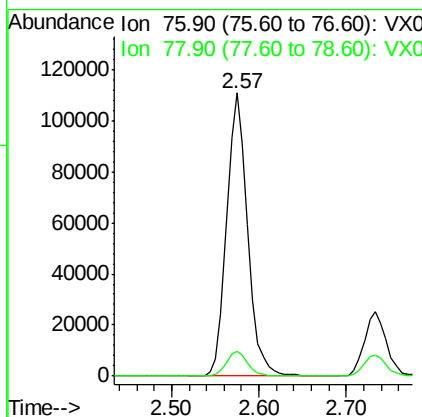
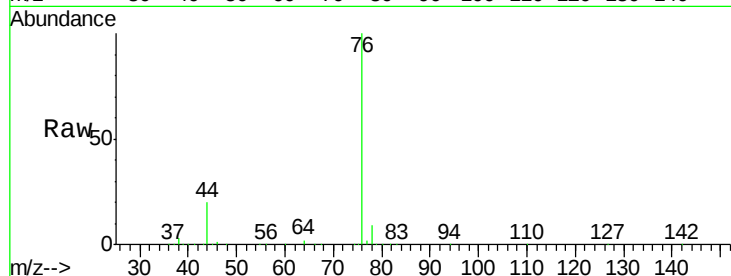
#17
Carbon Disulfide
Concen: 47.62 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

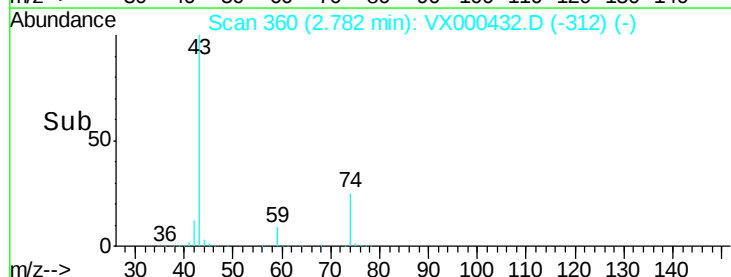
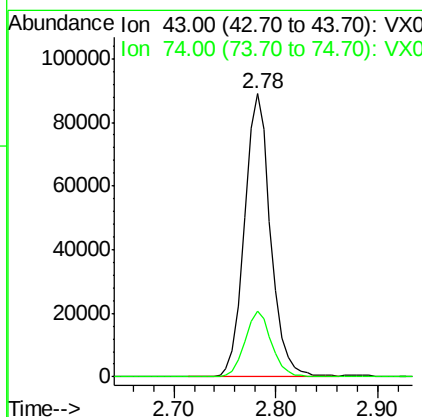
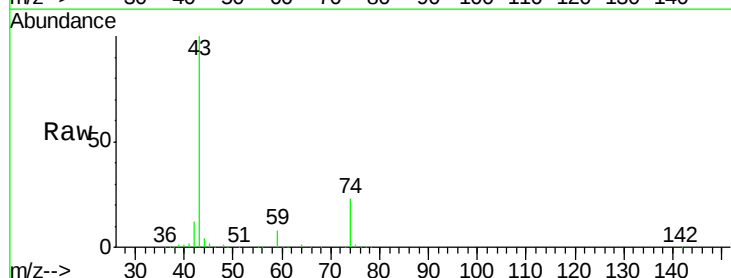
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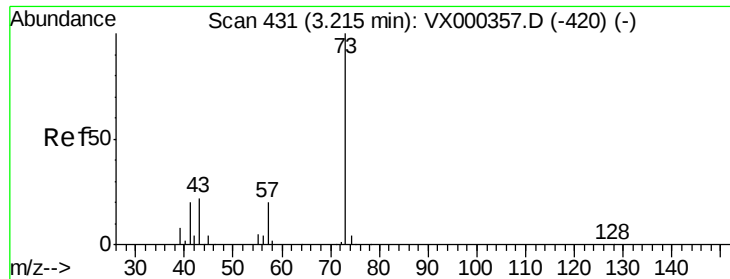
sam
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#18
Methyl Acetate
Concen: 51.53 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





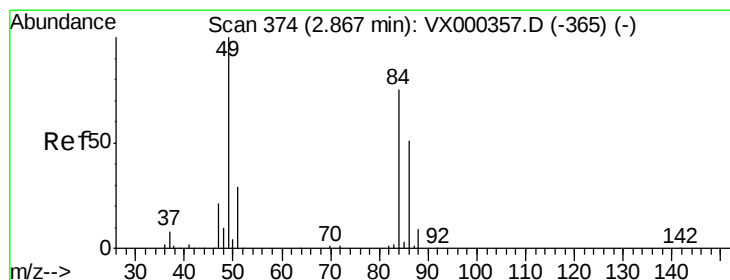
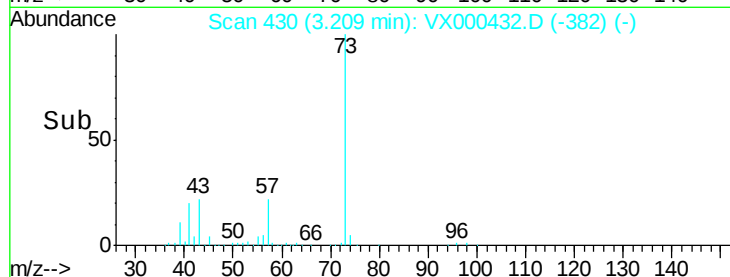
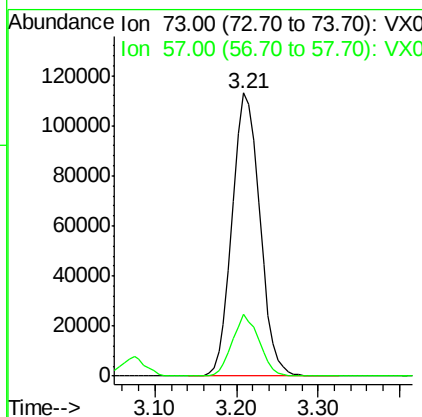
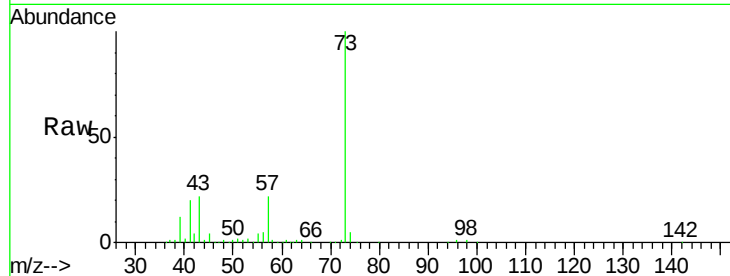
#19
Methyl tert-butyl Ether
Concen: 49.46 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.2	25.8

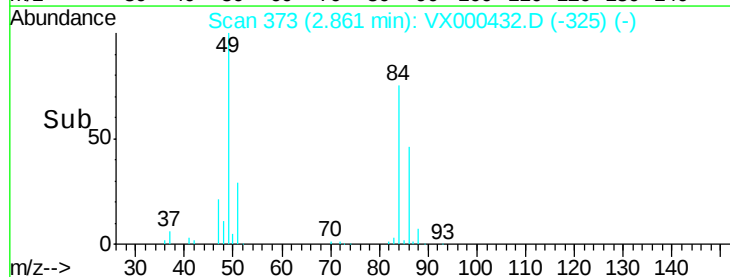
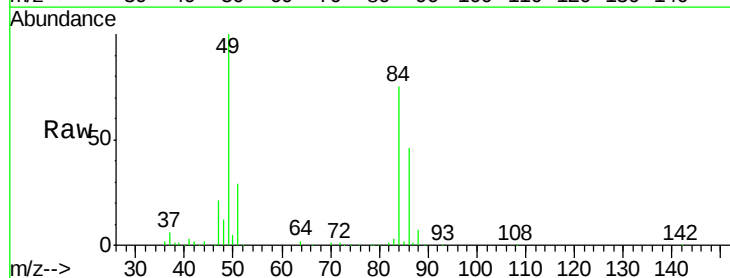
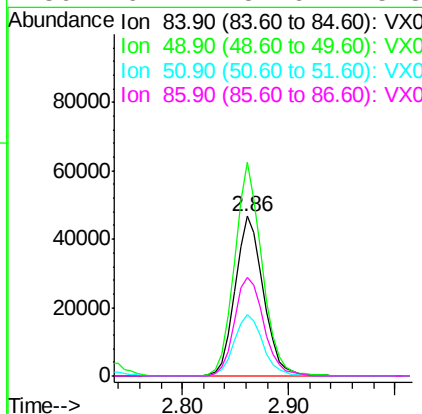
Manual Integrations
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#20
Methylene Chloride
Concen: 51.97 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	100.6	151.0
51	38.6	31.6	47.4
86	61.4	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 46.75 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

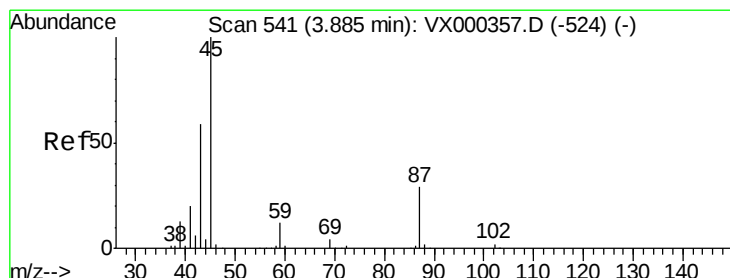
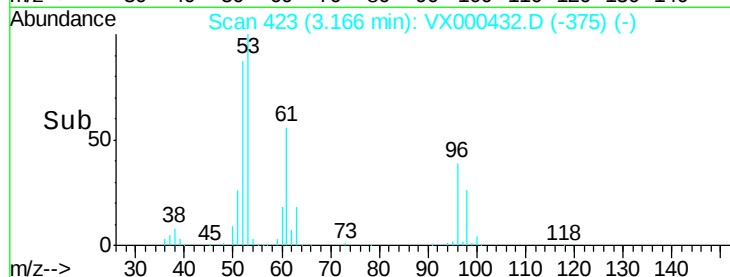
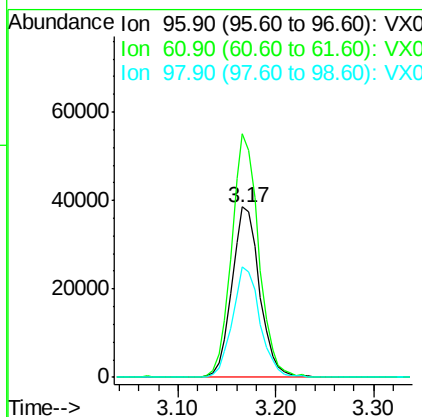
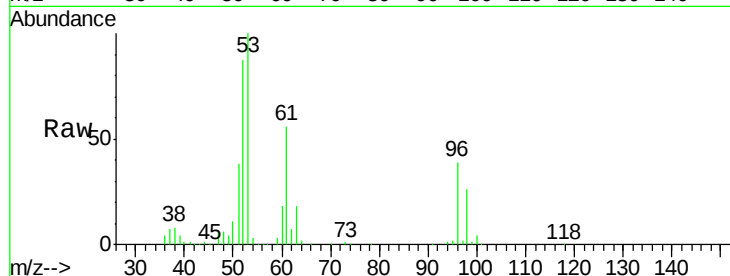
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	75772
Ion	Ratio	Lower	Upper
96	100		
61	143.1	104.0	156.0
98	64.9	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.84 ug/l

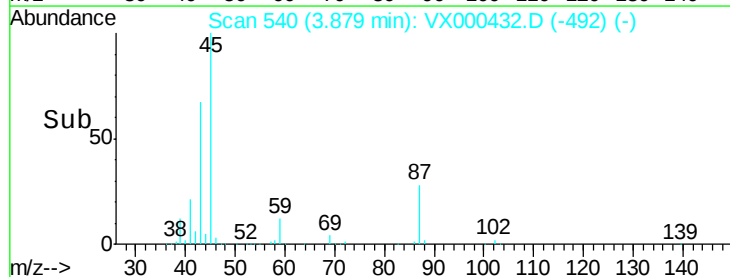
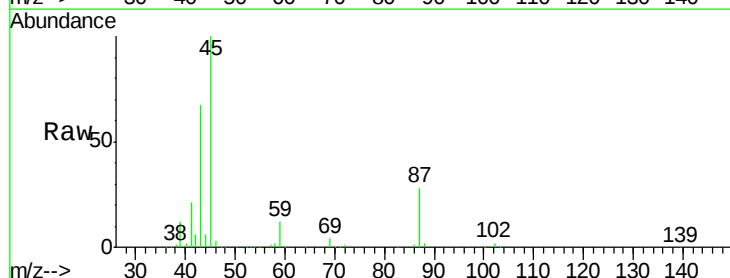
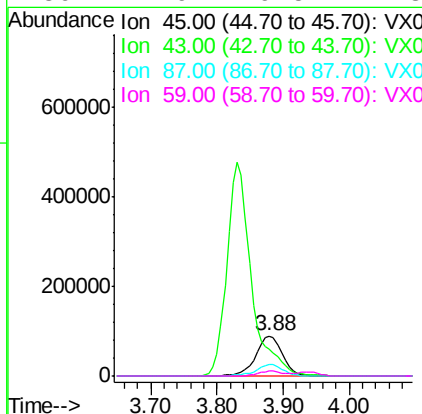
RT: 3.88 min Scan# 540

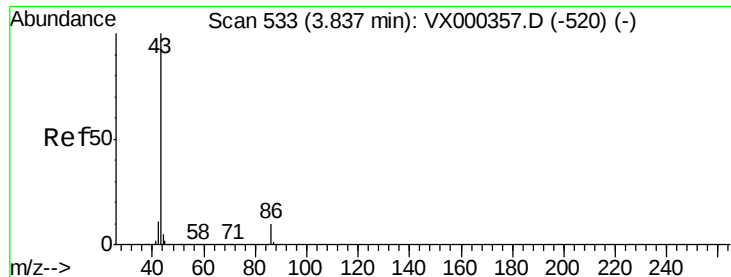
Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	45	Resp:	253630
Ion	Ratio	Lower	Upper
45	100		
43	66.5	53.9	80.9
87	27.9	22.6	34.0
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 285.50 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tot Ion: 43 Resp: 1229456

Ion Ratio Lower Upper

43 100

86 10.2 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

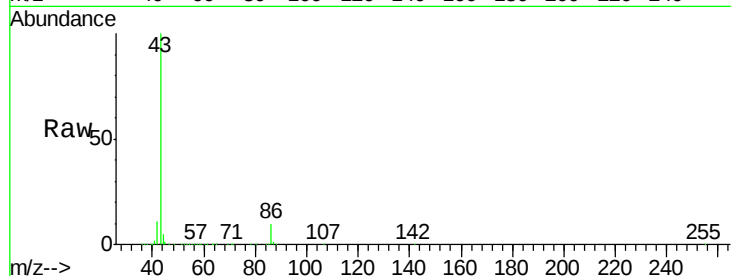
VSTDCCC050EC

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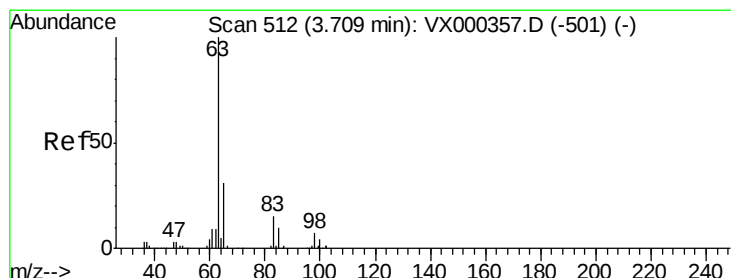
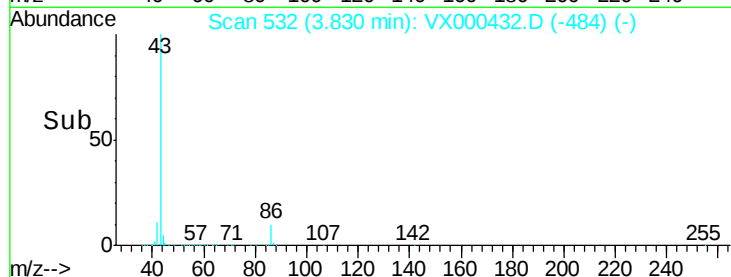
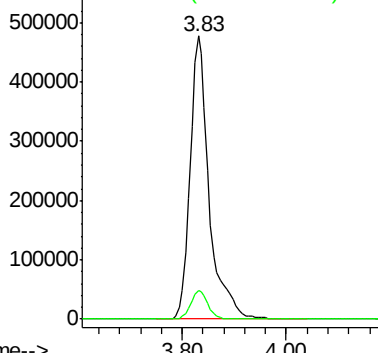
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.14 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

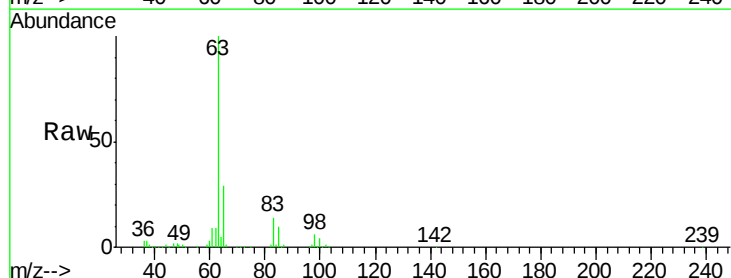
Tgt Ion: 63 Resp: 146058

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

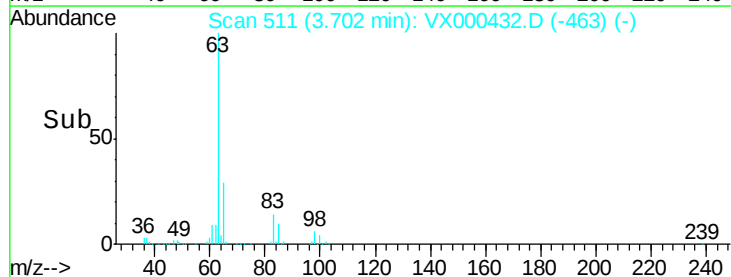
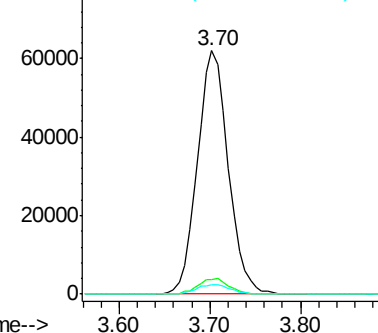
100 3.9 2.0 5.8

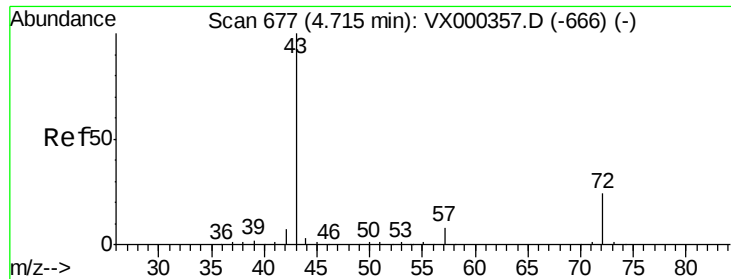


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 245.98 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 402504

Ion Ratio Lower Upper

43 100

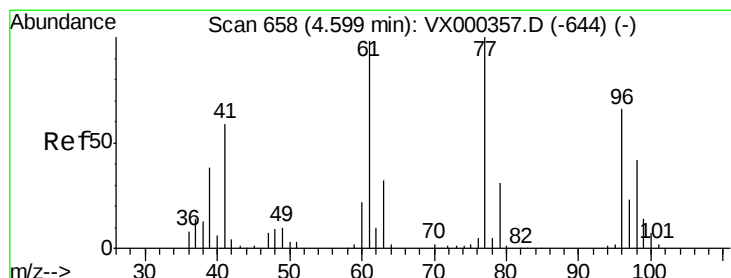
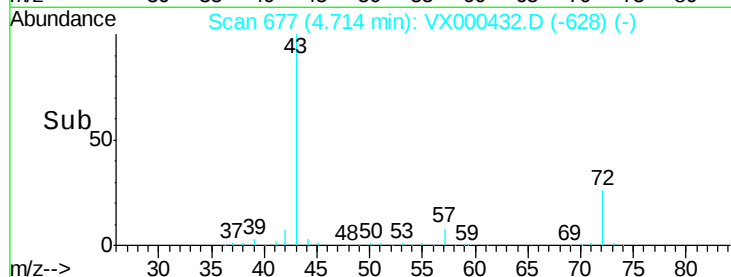
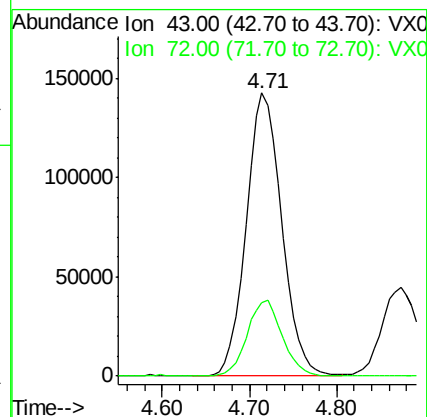
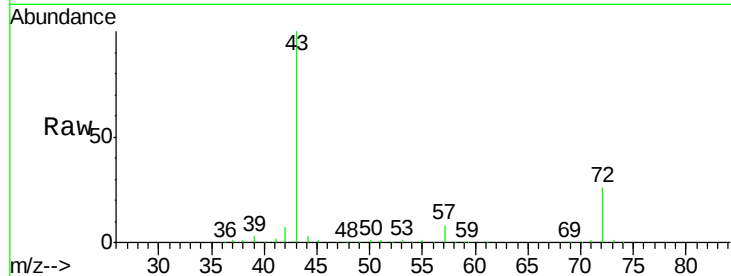
72 26.1 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.02 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000432.D

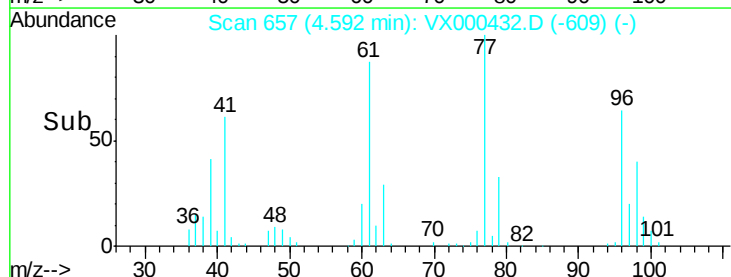
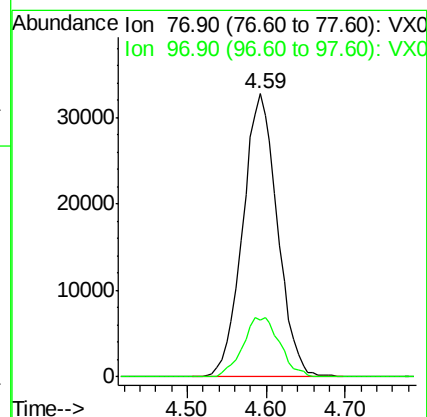
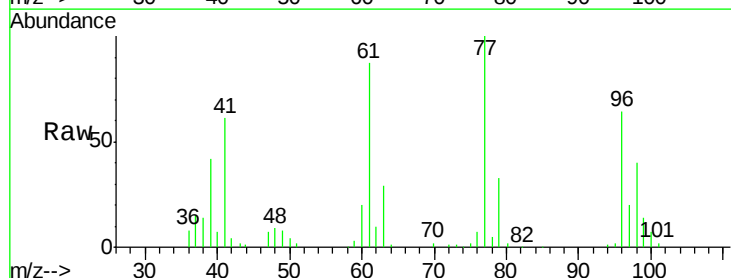
Acq: 23 Mar 2018 17:23

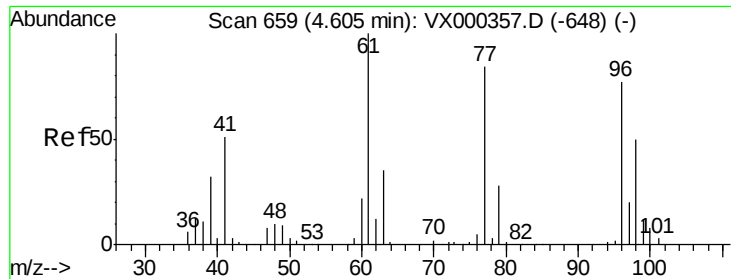
Tgt Ion: 77 Resp: 100130

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.8





#27

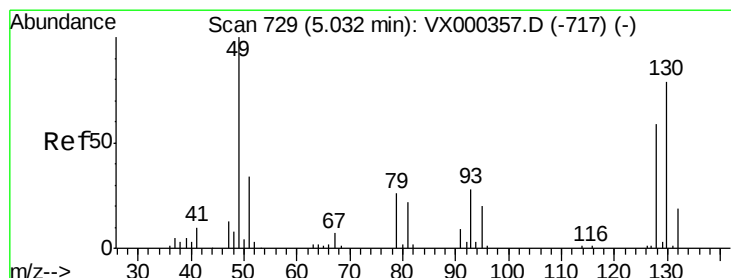
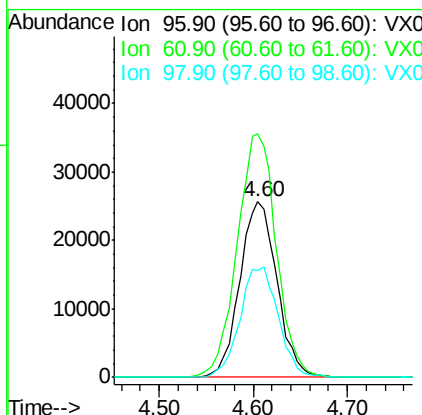
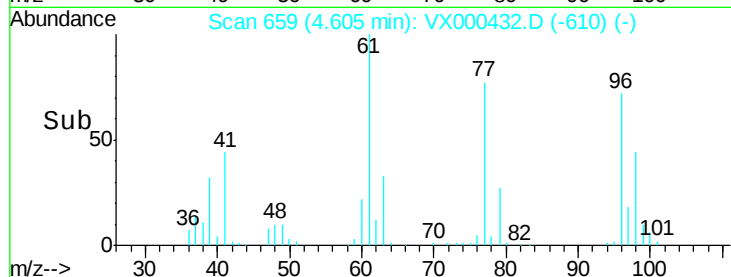
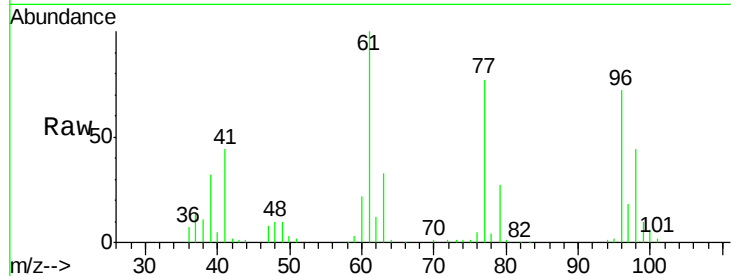
cis-1,2-Dichloroethene
Concen: 46.71 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	291.6
98	65.0	0.0	132.0

Manual Integrations
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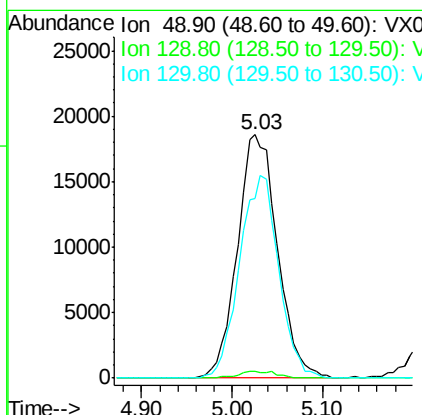
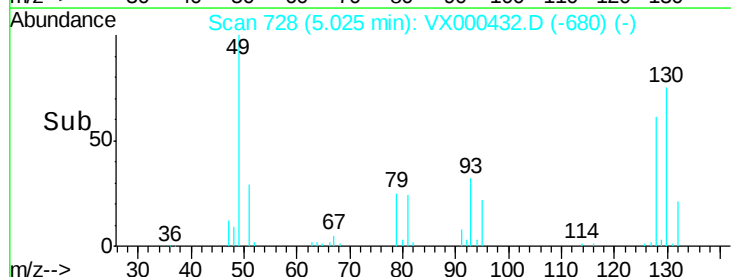
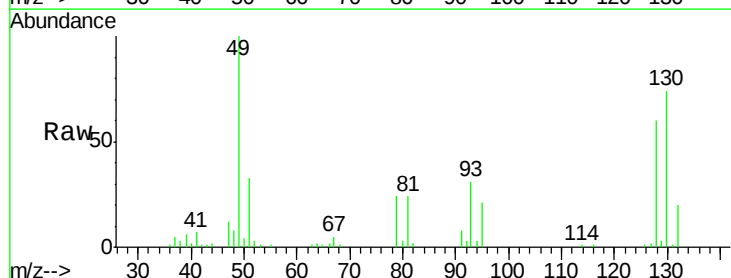
sam
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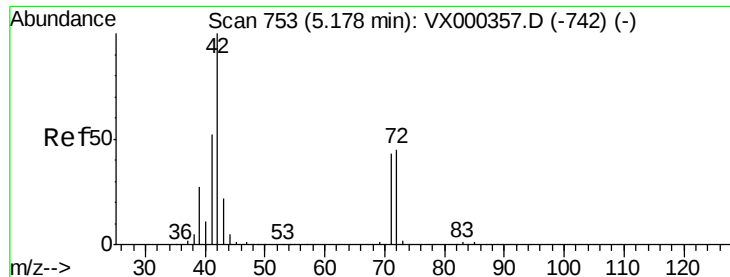


#28

Bromochloromethane
Concen: 48.21 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.01 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	81.0	64.0	96.0





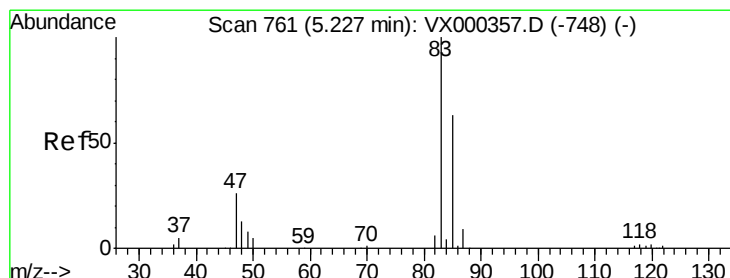
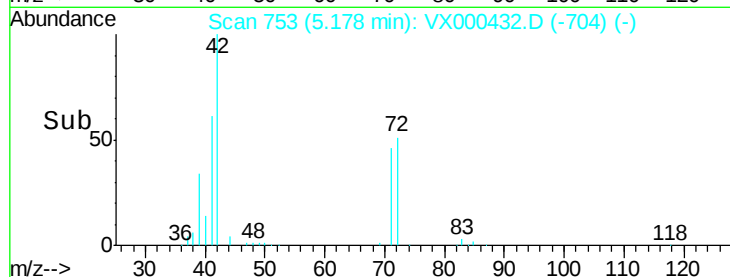
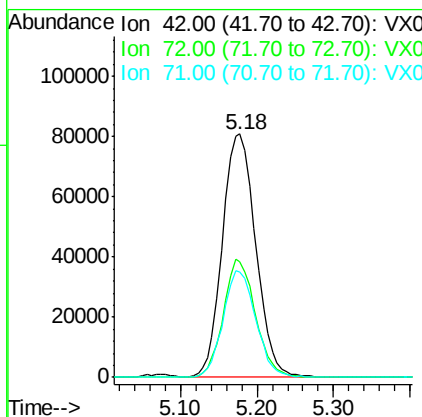
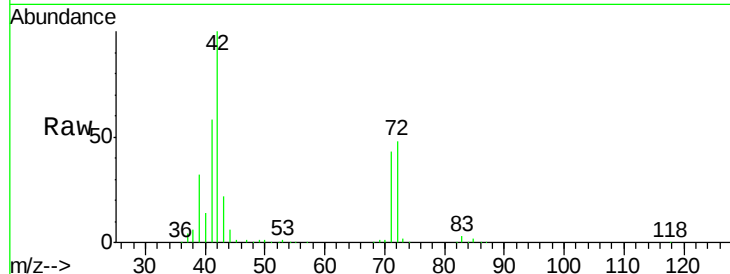
#29
Tetrahydrofuran
Concen: 242.70 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.9	56.9
71	42.7	34.4	51.6

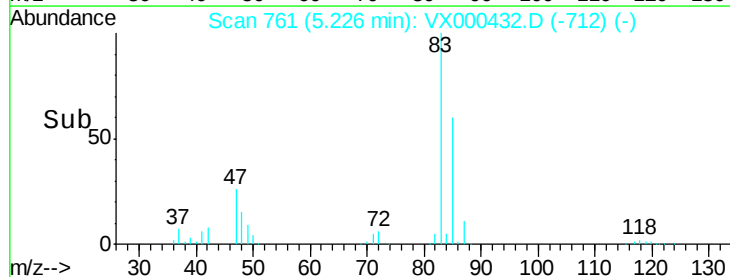
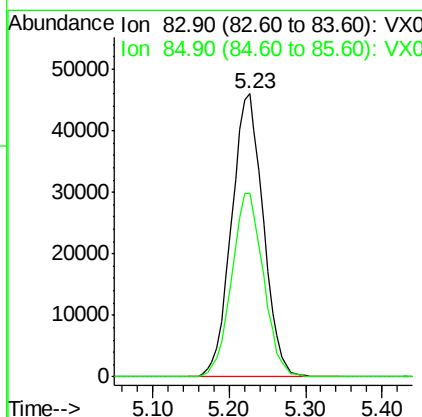
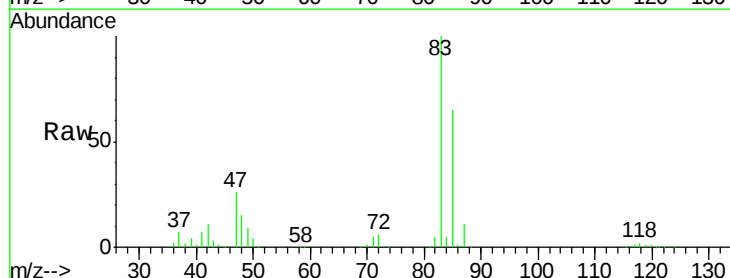
Manual Integrations
APPROVED

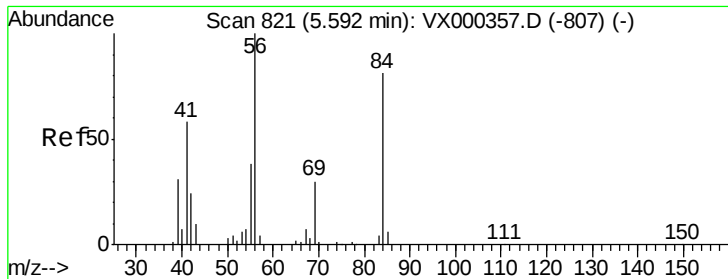
sam
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#30
Chloroform
Concen: 49.33 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.3	79.9





#31

Cyclohexane

Concen: 45.84 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

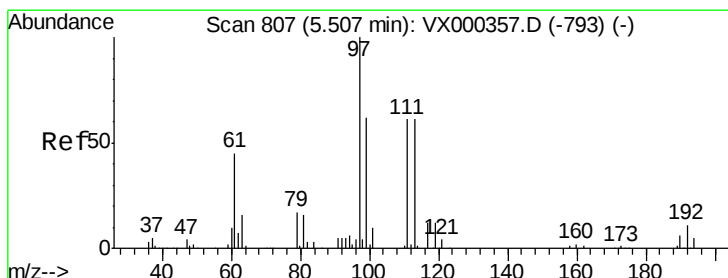
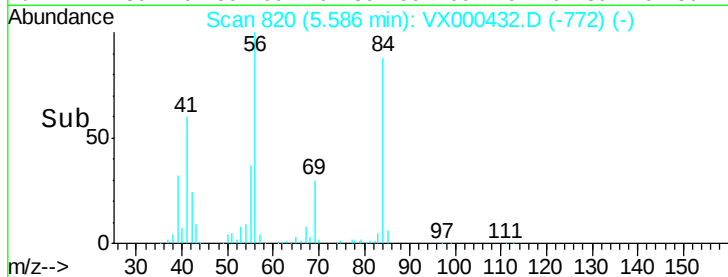
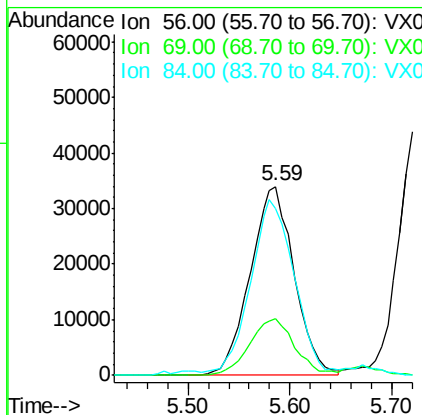
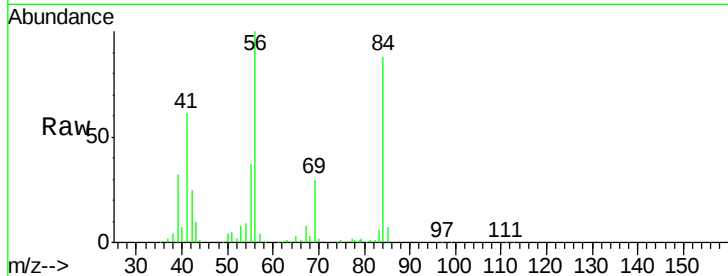
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	101207
Ion Ratio		Lower	Upper
56	100		
69	29.9	23.4	35.0
84	86.0	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.04 ug/l

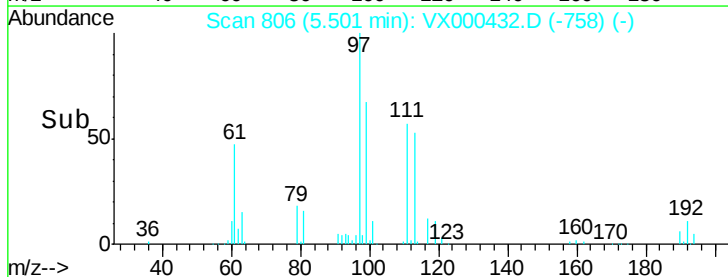
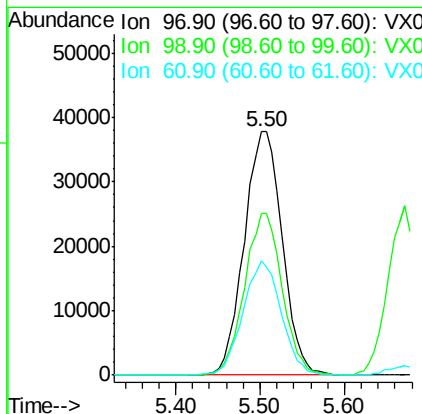
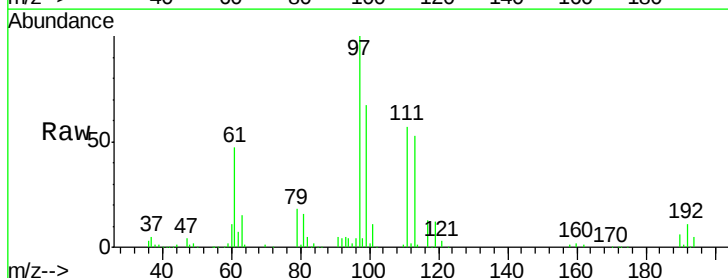
RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	97	Resp:	116006
Ion Ratio		Lower	Upper
97	100		
99	65.5	52.1	78.1
61	47.1	36.2	54.4





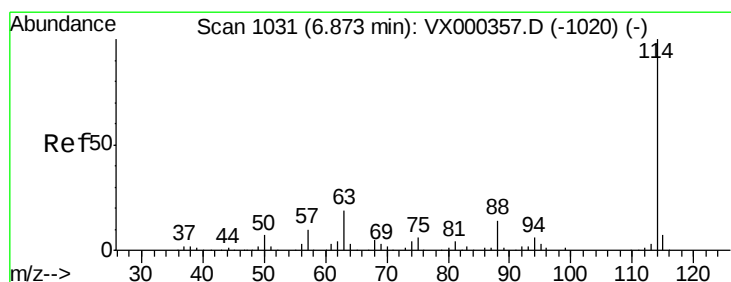
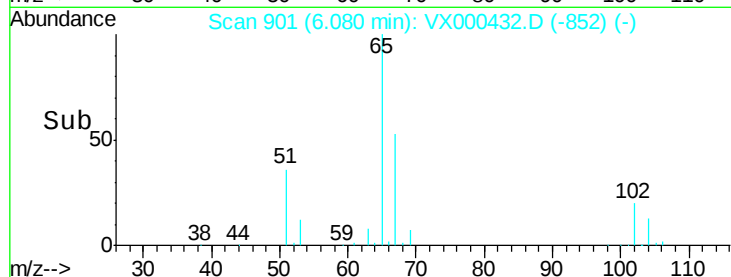
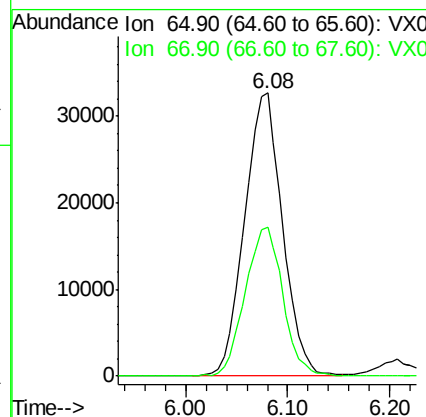
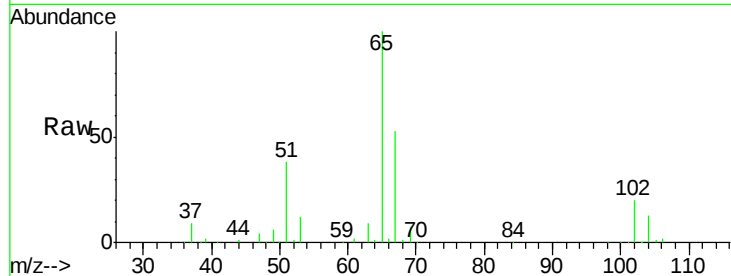
#33
 1,2-Dichloroethane-d4
 Concen: 48.19 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.2

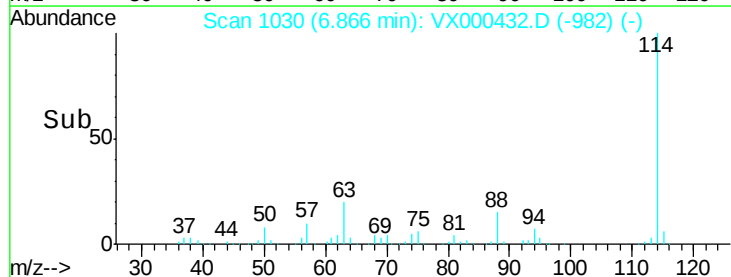
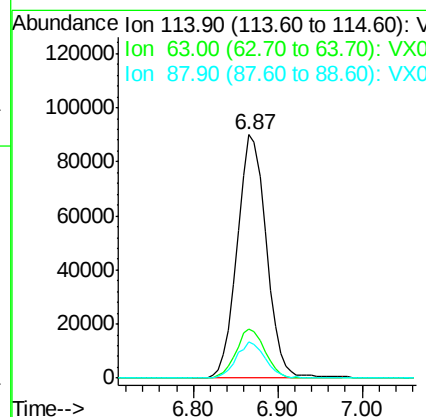
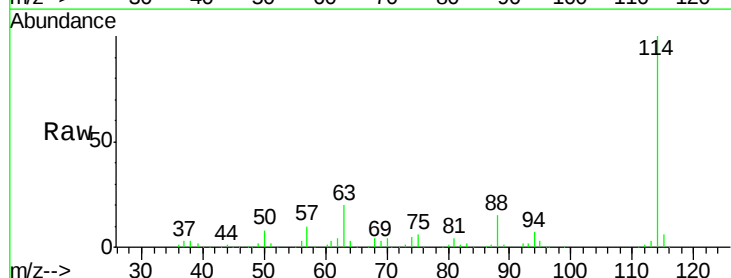
Manual Integrations
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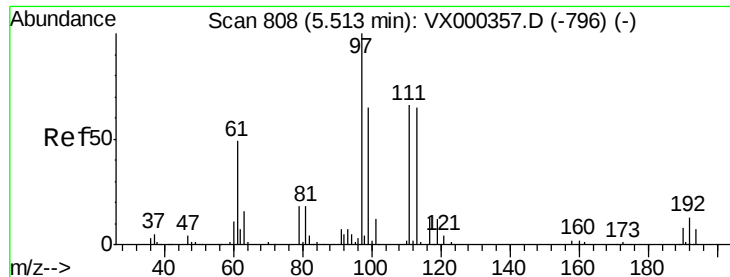
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.4
88	14.7	0.0	27.0





#35

Dibromofluoromethane

Concen: 51.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

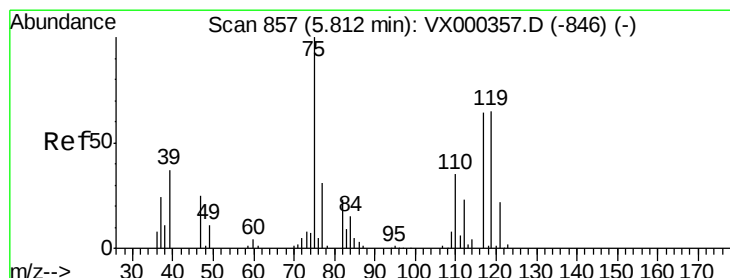
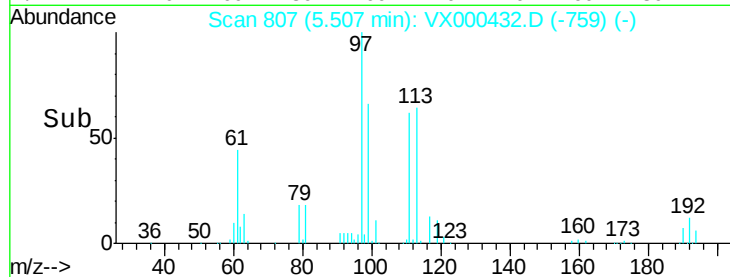
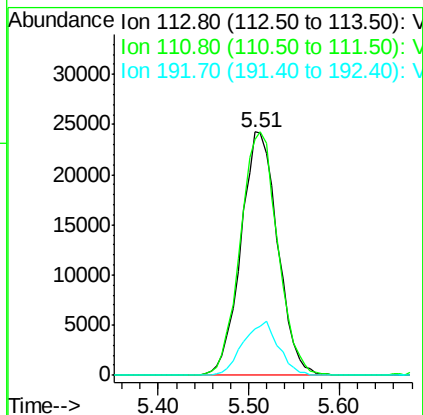
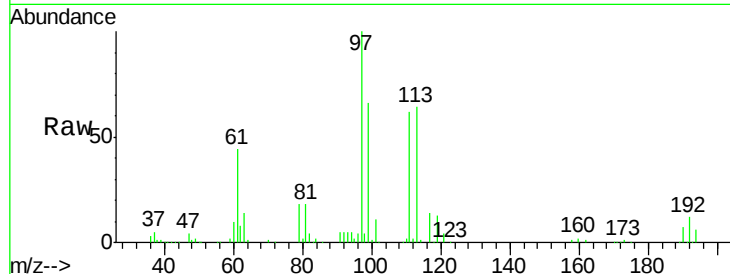
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	68029
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.4	123.6
192	21.4	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.68 ug/l

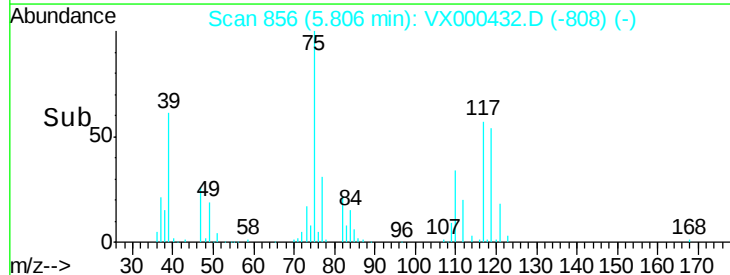
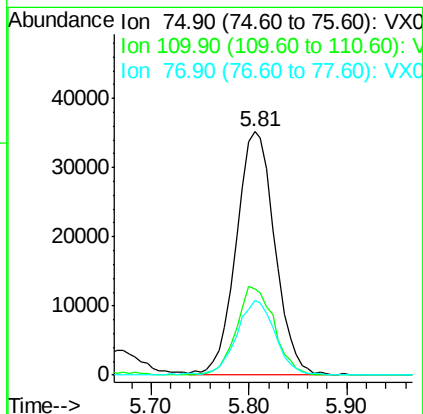
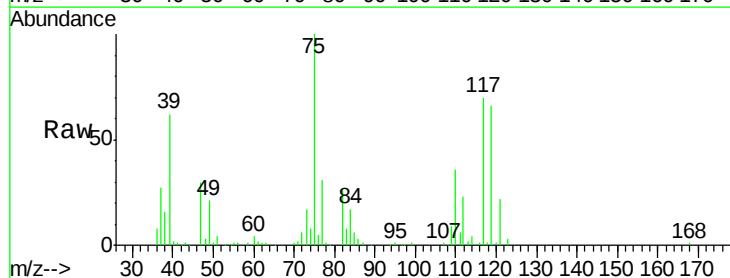
RT: 5.81 min Scan# 856

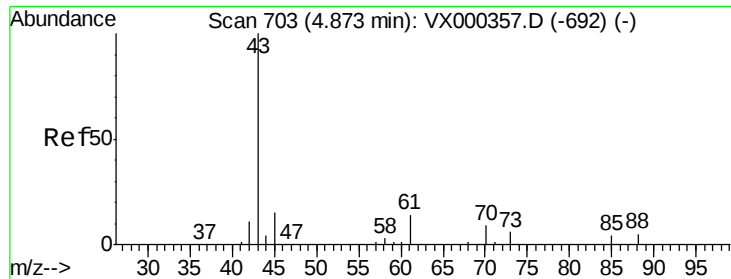
Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	75	Resp:	96002
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	30.9	24.0	36.0





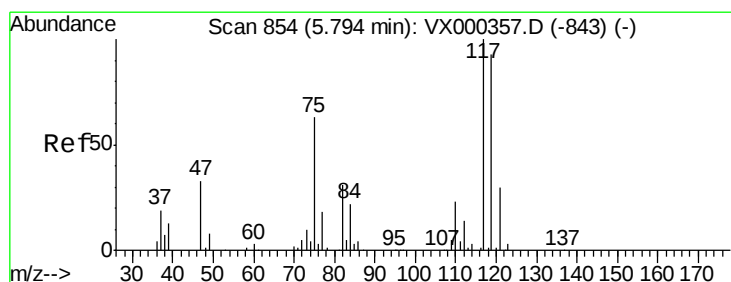
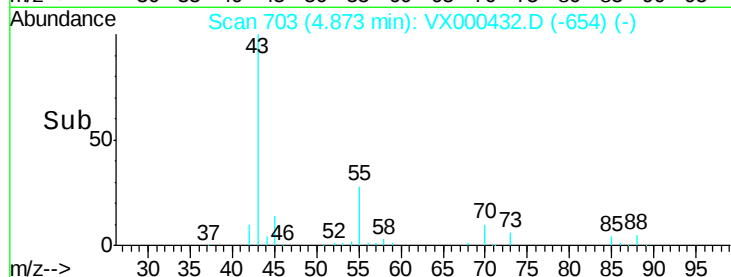
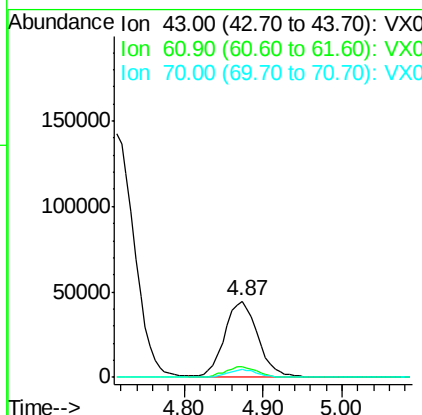
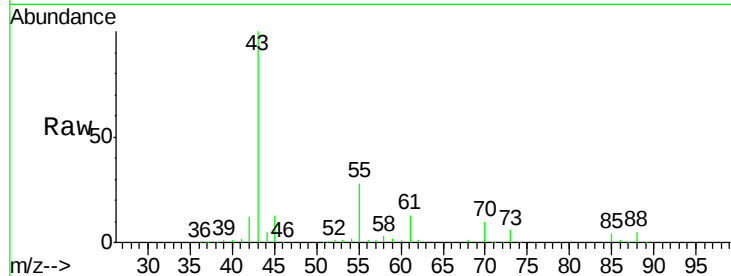
#37
Ethyl Acetate
Concen: 48.47 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.3	7.7	11.5

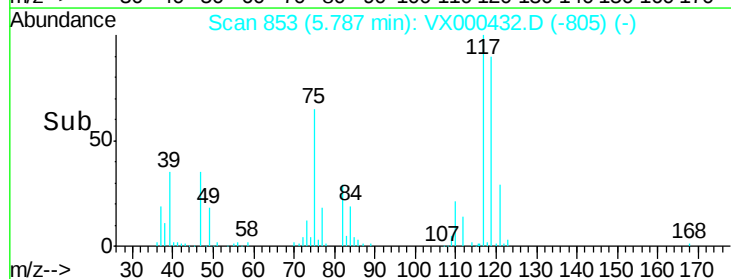
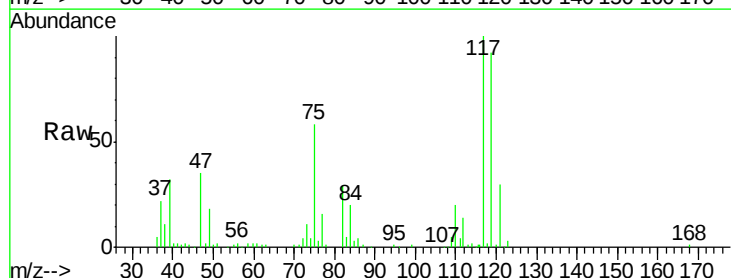
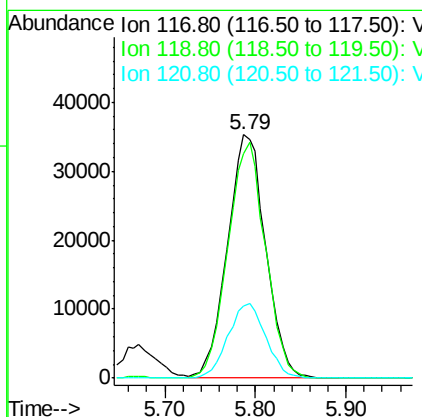
Manual Integrations
APPROVED

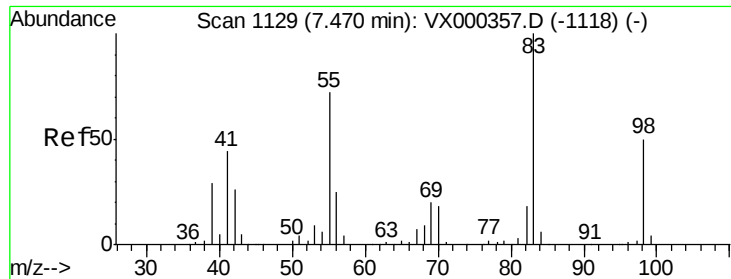
sam
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#38
Carbon Tetrachloride
Concen: 49.88 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.4	116.2
121	29.8	24.8	37.2





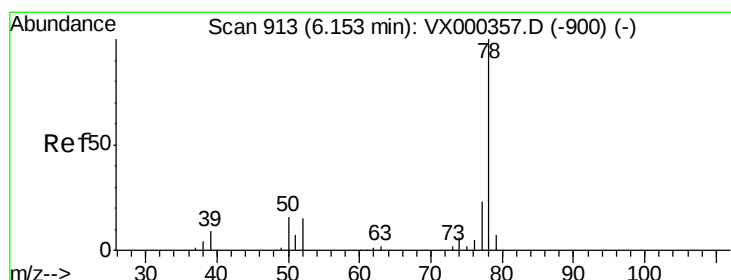
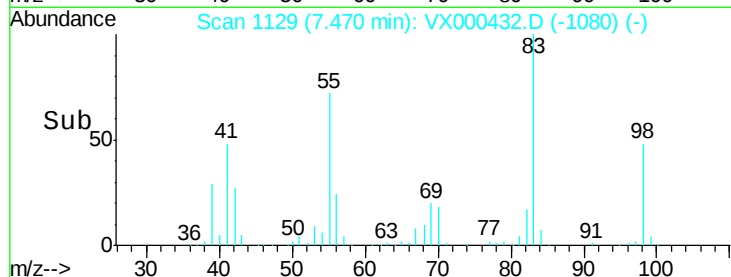
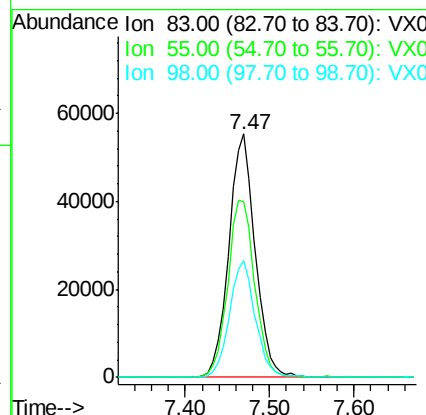
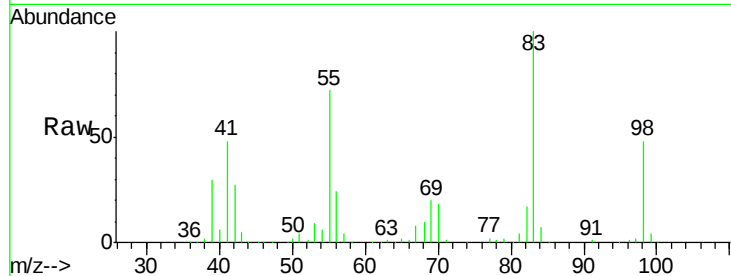
#39
Methvlcvclohexane
Concen: 49.28 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	55.5	83.3
98	47.8	38.2	57.4

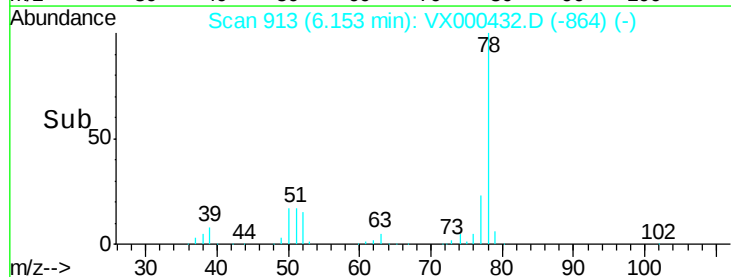
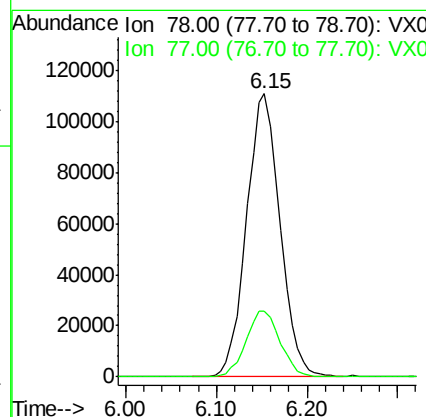
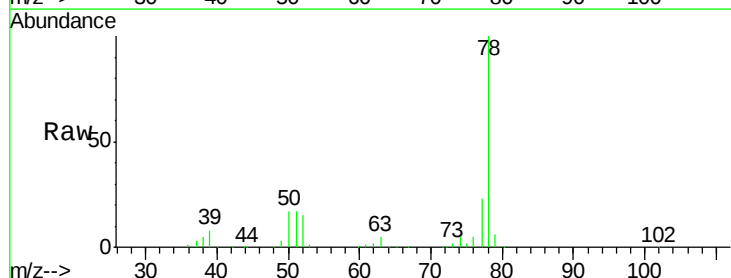
Manual Integrations
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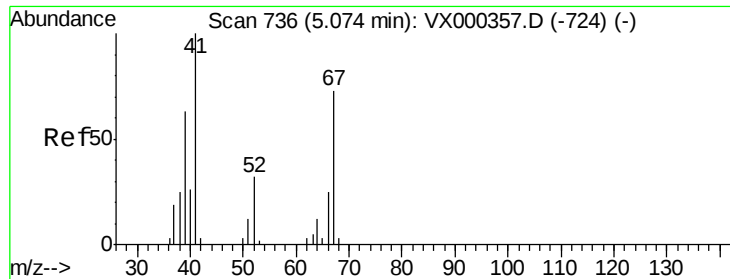
sam
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#40
Benzene
Concen: 49.55 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





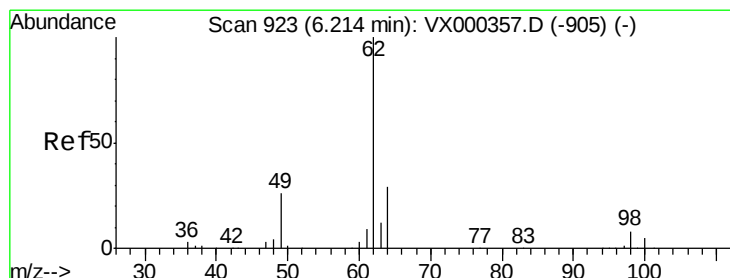
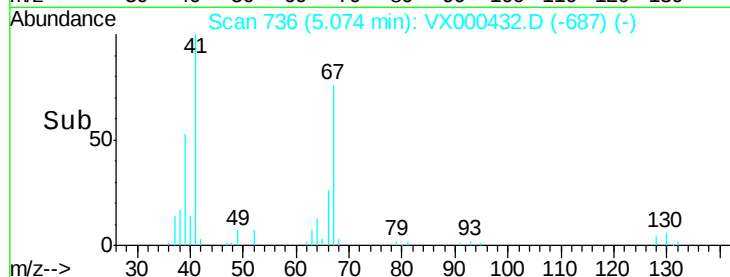
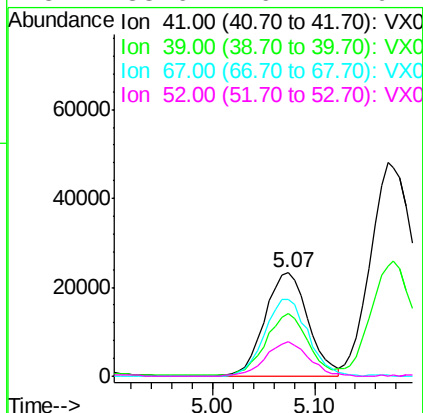
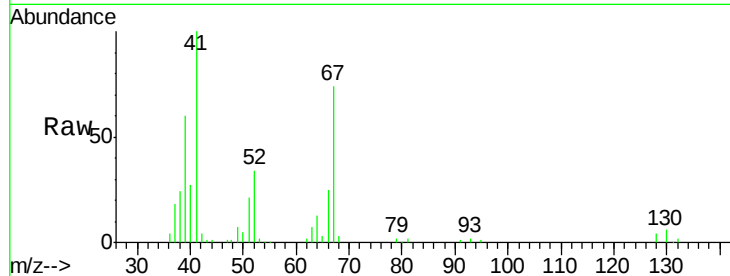
#41
Methacrylonitrile
Concen: 48.46 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.7	68.5	
67	74.3	57.8	86.8	
52	33.6	26.7	40.1	

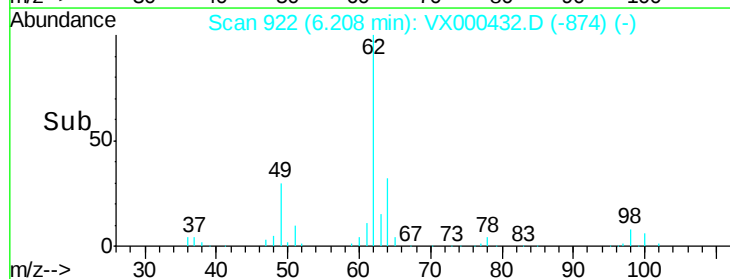
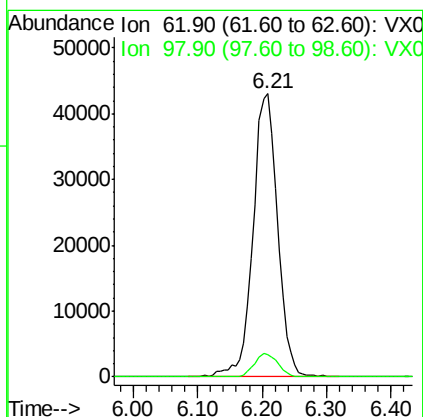
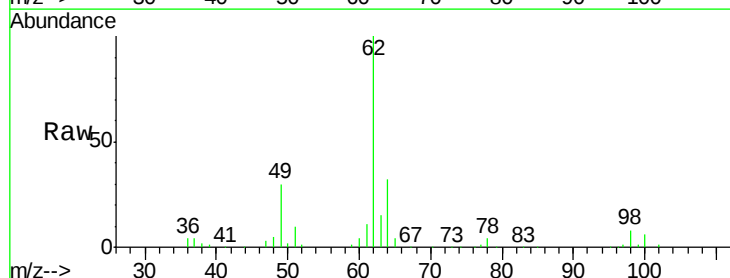
Manual Integrations
APPROVED

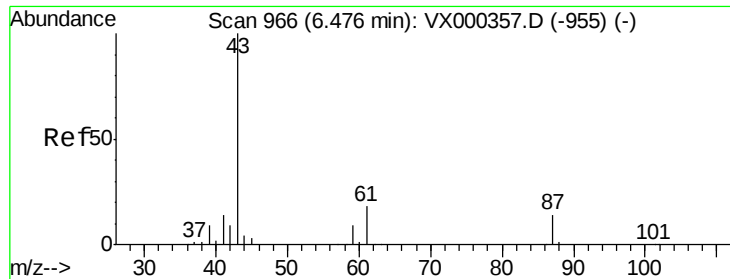
sam
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#42
1,2-Dichloroethane
Concen: 49.68 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

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





#43

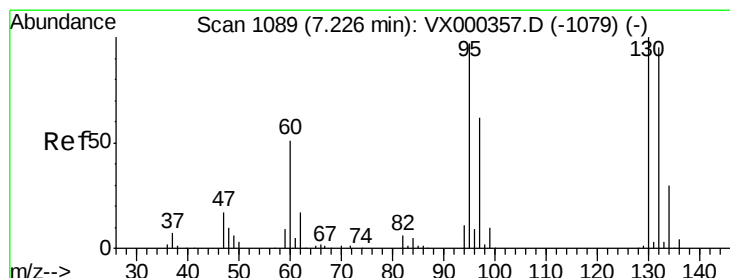
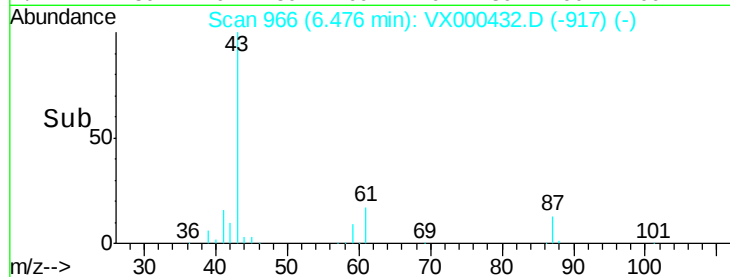
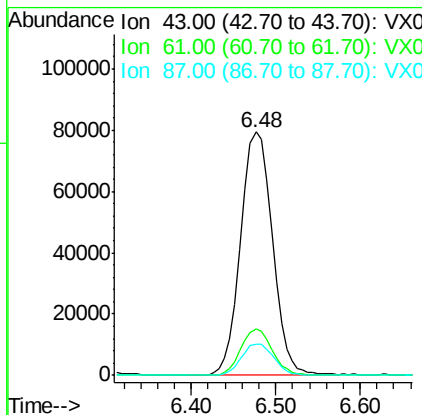
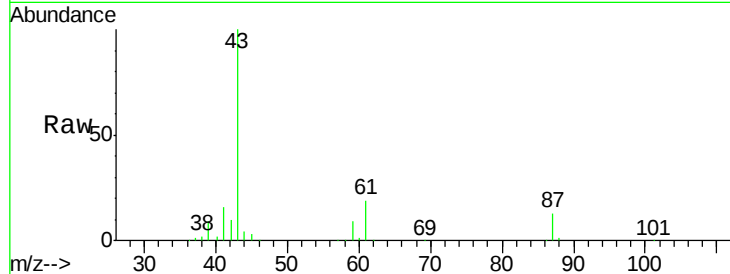
Isopropyl Acetate
 Concen: 50.66 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	203116
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.4	21.6
87	13.1	11.0	16.4

Manual Integrations
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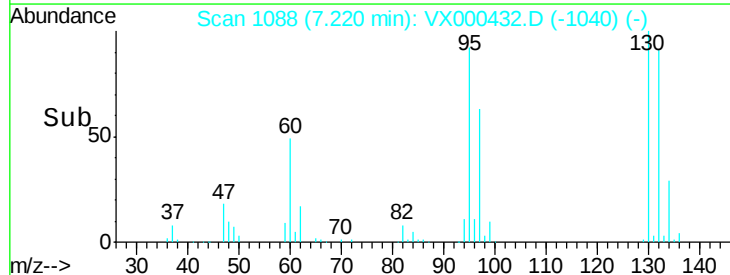
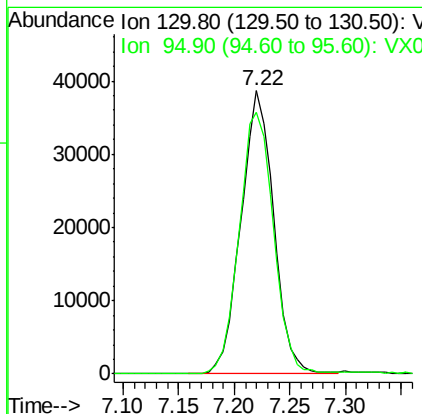
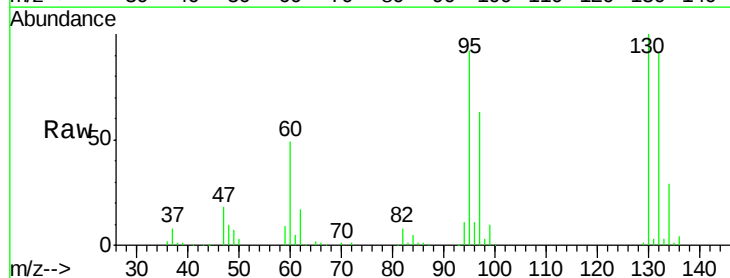
sam
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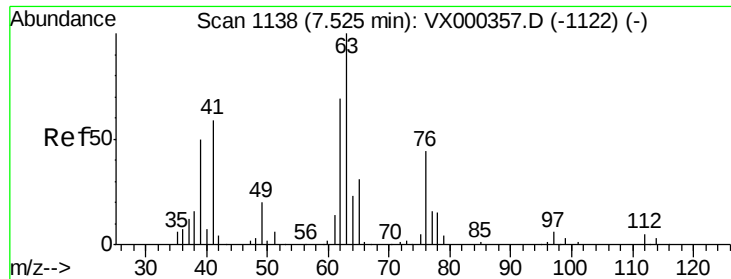


#44

Trichloroethene
 Concen: 48.20 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion	130	Resp	79069
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	186.0





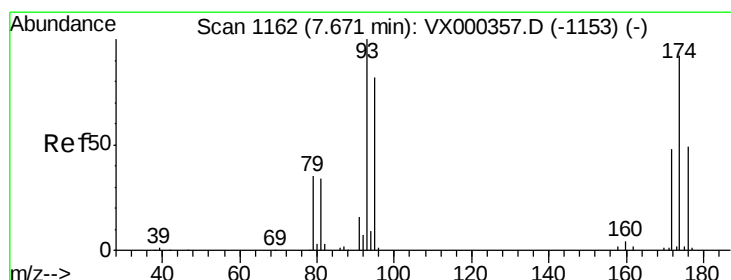
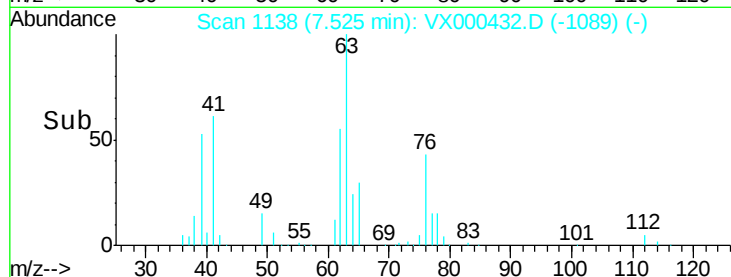
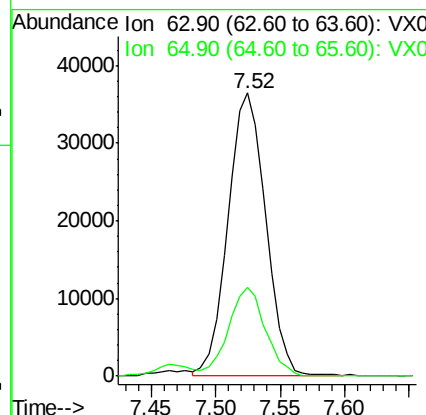
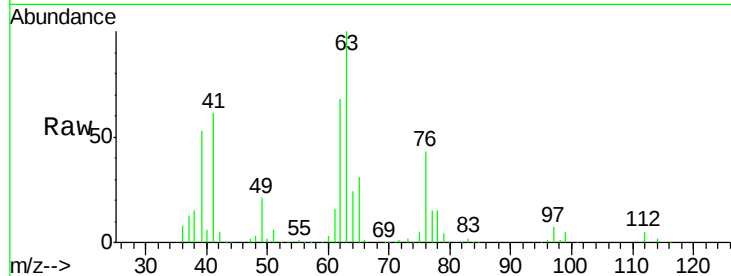
#45
 1,2-Dichloropropane
 Concen: 50.44 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 73941
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8

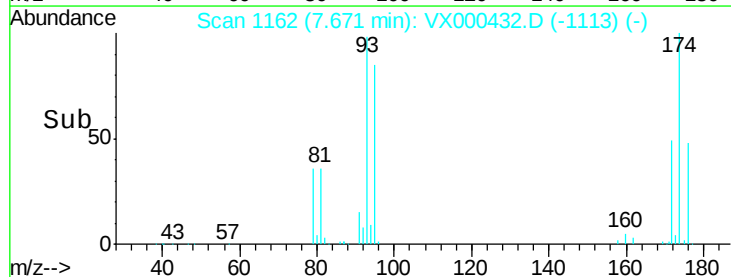
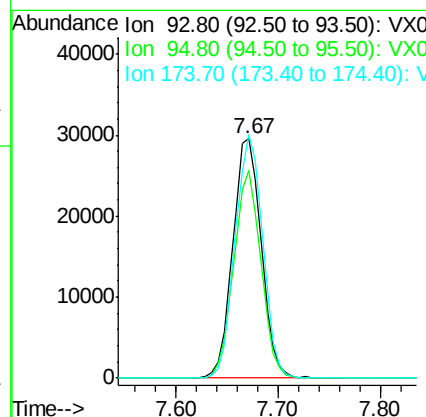
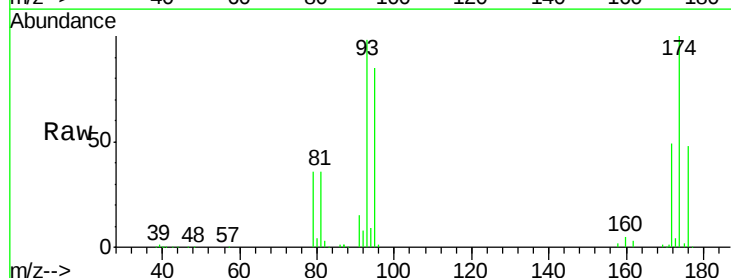
Manual Integrations
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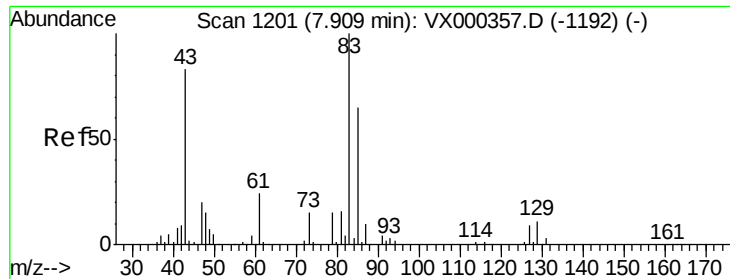
sam
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#46
 Dibromomethane
 Concen: 49.48 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion: 93 Resp: 56931
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.5 99.7
 174 98.6 76.0 114.0





#47

Bromodichloromethane

Concen: 53.00 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

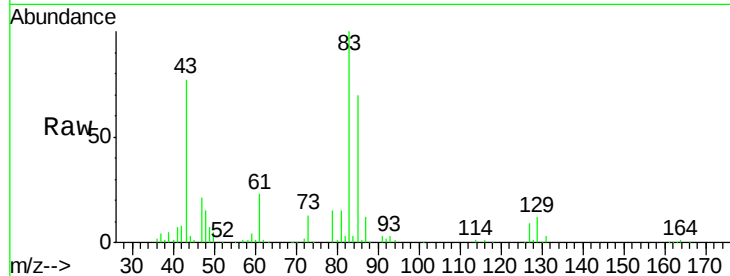
ClientSampleId :

VSTDCCC050EC

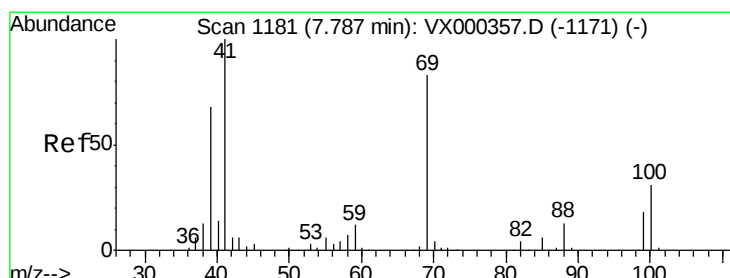
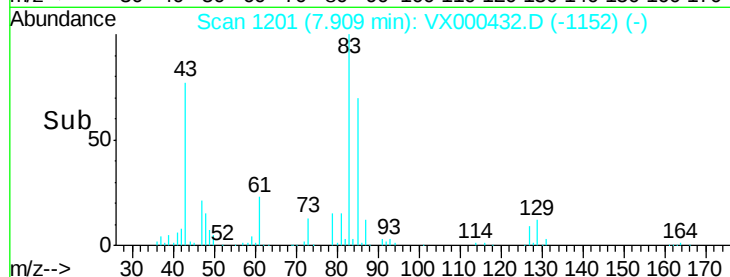
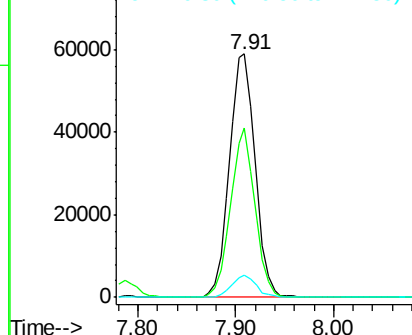
Tot Ion:	83	Resp:	107293
Ion Ratio	Lower	Upper	
83	100		
85	69.7	51.4	77.0
127	8.9	7.0	10.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.83 ug/l

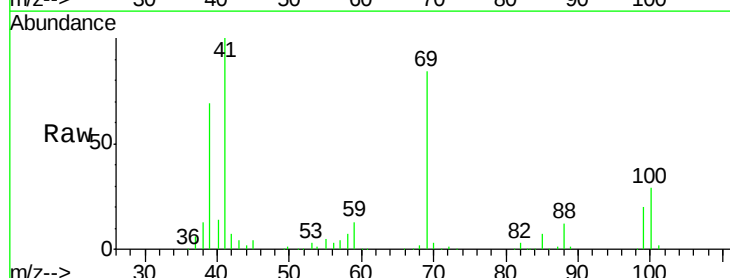
RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

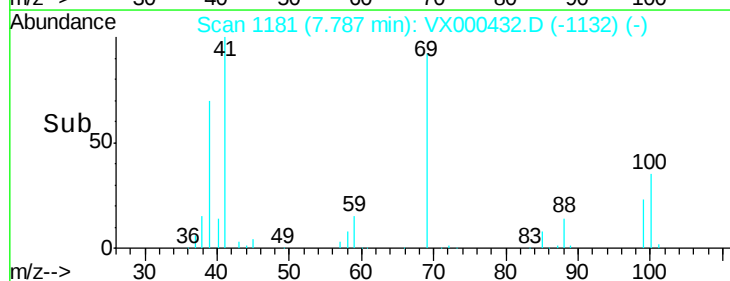
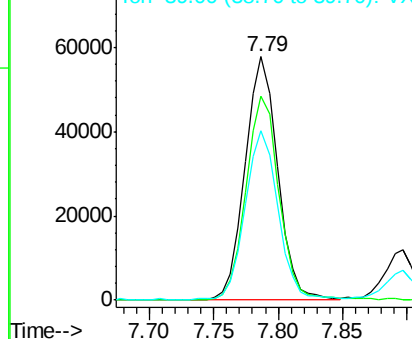
Lab File: VX000432.D

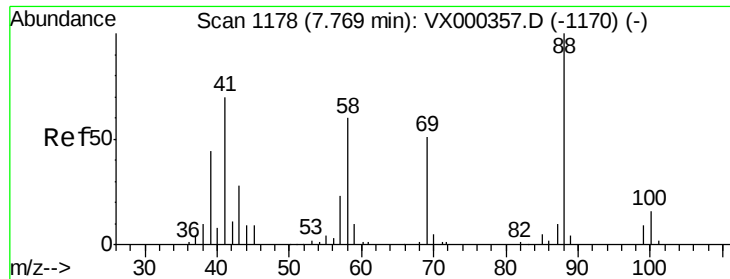
Acq: 23 Mar 2018 17:23

Tgt Ion:	41	Resp:	100891
Ion Ratio	Lower	Upper	
41	100		
69	84.6	68.2	102.4
39	69.5	54.6	81.8



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





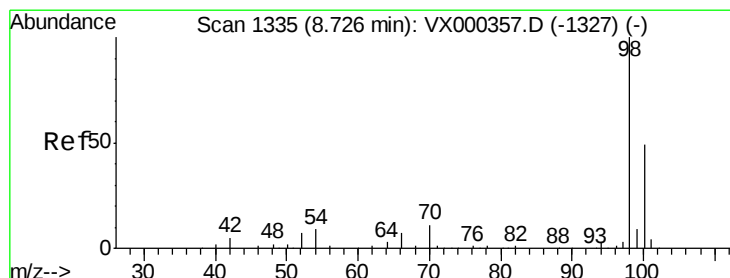
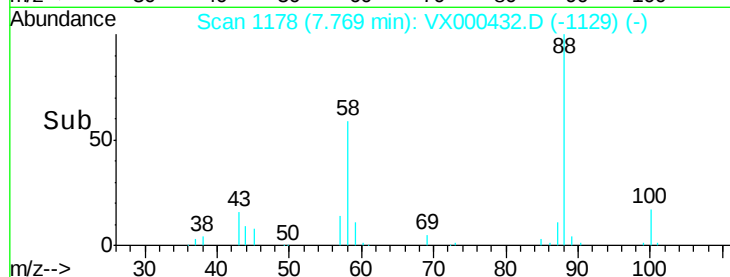
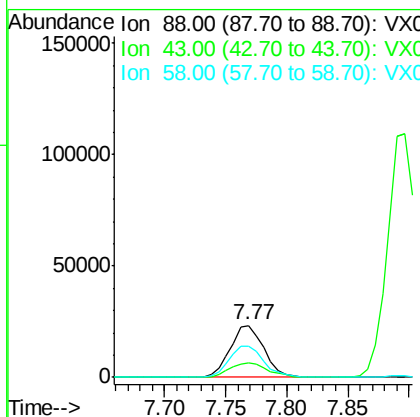
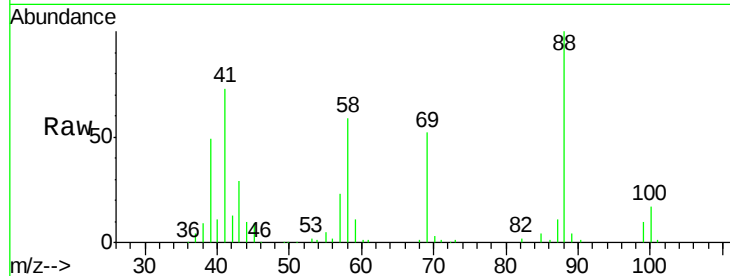
#49
1,4-Dioxane
Concen: 1081.06 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.8	40.2
58	62.1	52.2	78.2

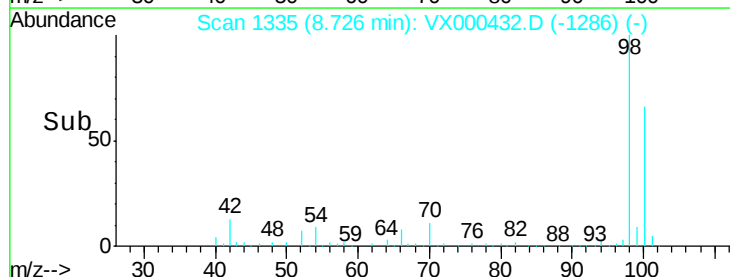
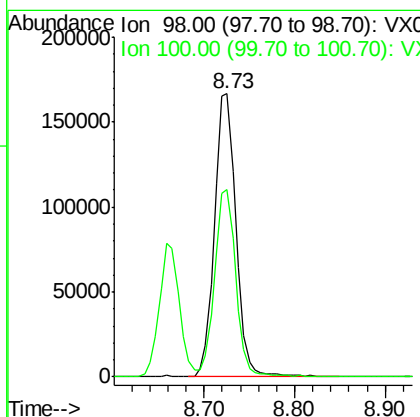
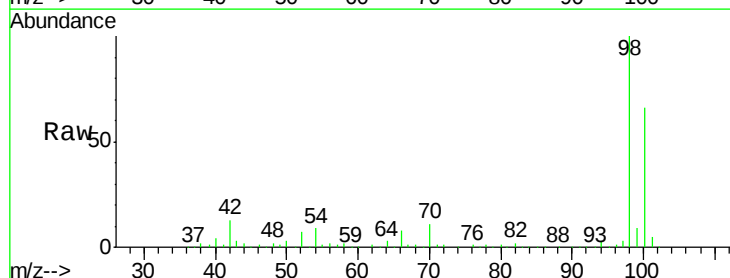
Manual Integrations
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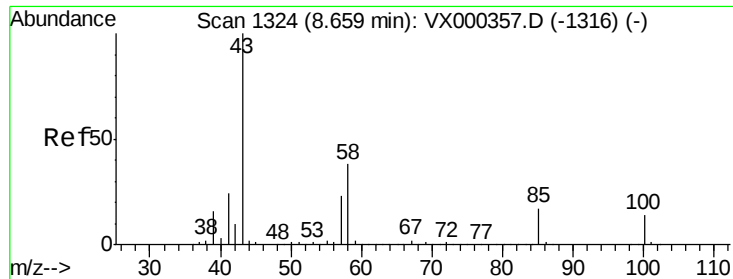
Sam
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#50
Toluene-d8
Concen: 50.54 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 264.71 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 821536

Ion Ratio Lower Upper

43 100

58 37.5

30.3

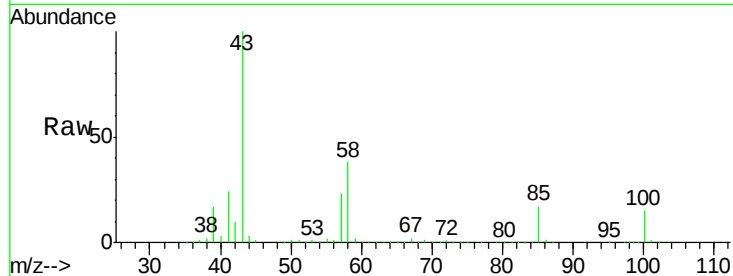
45.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

200000

100000

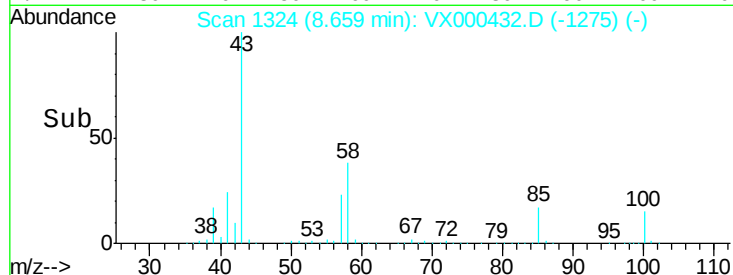
0

8.60

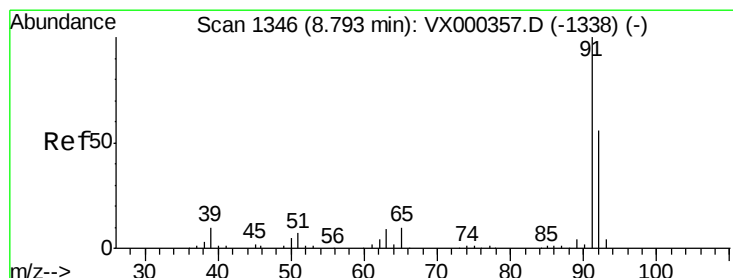
8.66

8.70

8.80



Time-->



#52

Toluene

Concen: 50.94 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion: 92 Resp: 203922

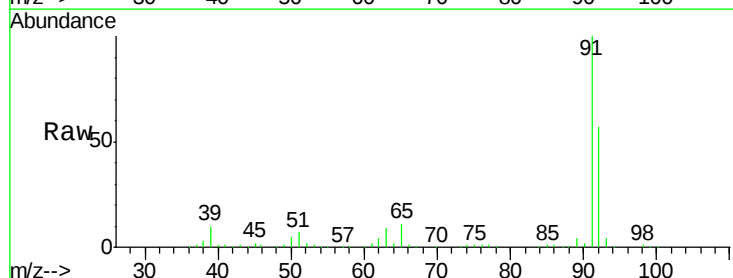
Ion Ratio Lower Upper

92 100

91 174.4

140.2

210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

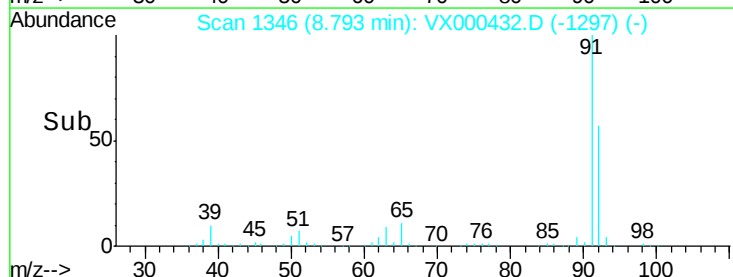
0

8.70

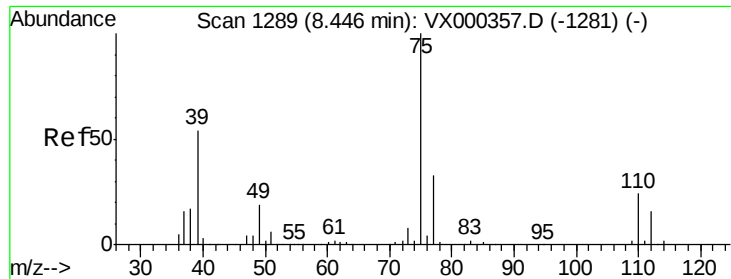
8.79

8.80

8.90



Time-->



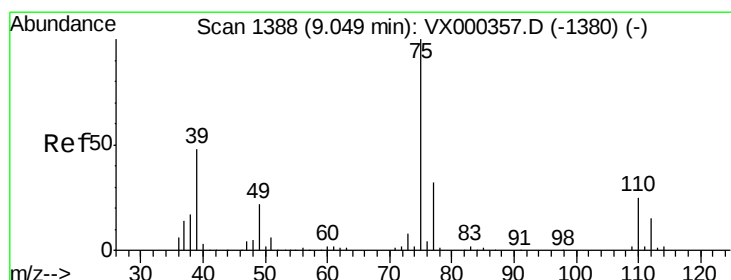
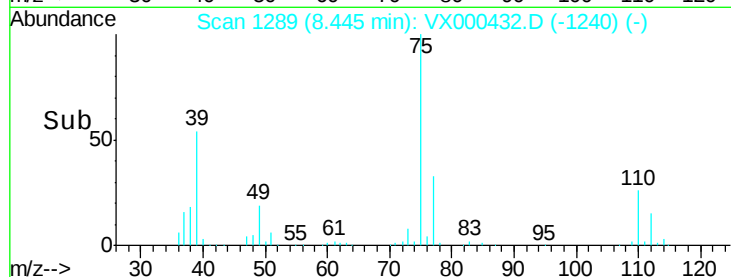
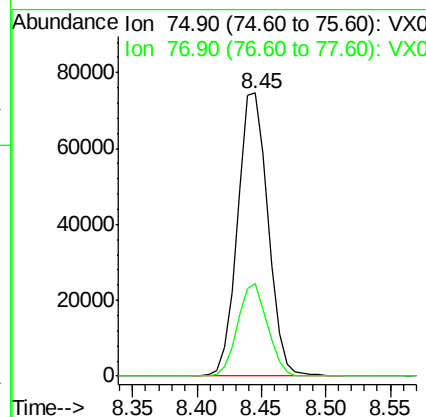
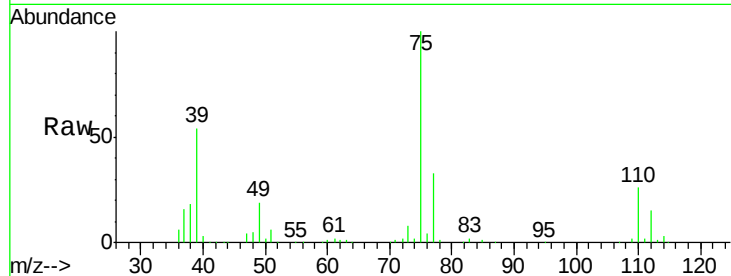
#53
 t-1,3-Dichloropropene
 Concen: 52.23 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 122517
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.0 36.0

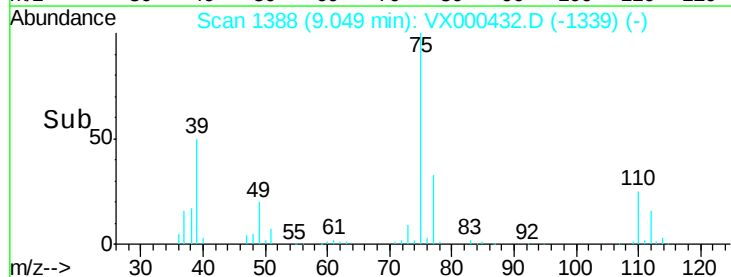
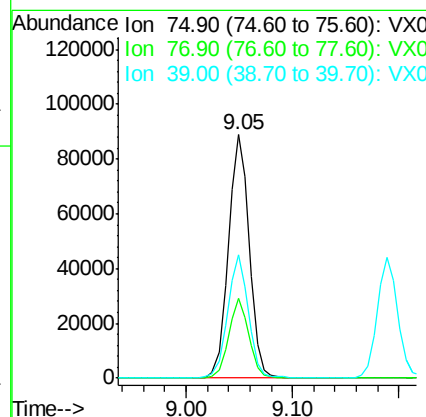
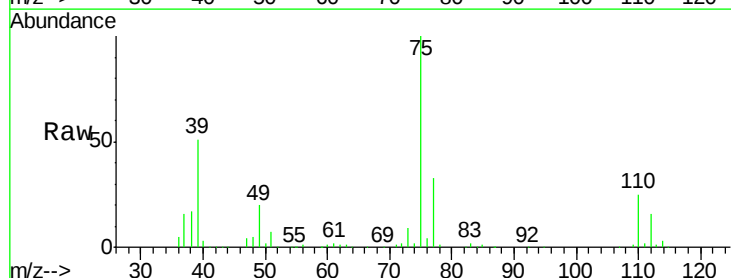
Manual Integrations
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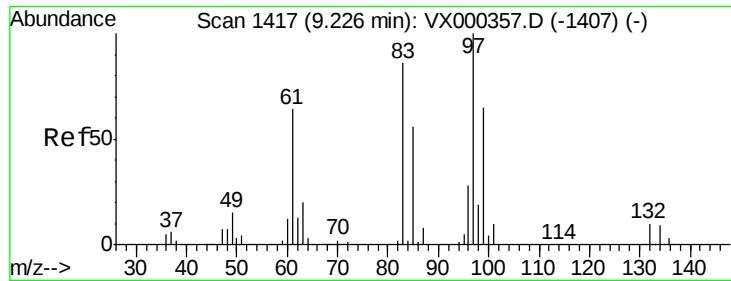
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 53.46 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion: 75 Resp: 121635
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.1 39.1
 39 50.5 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 50.91 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

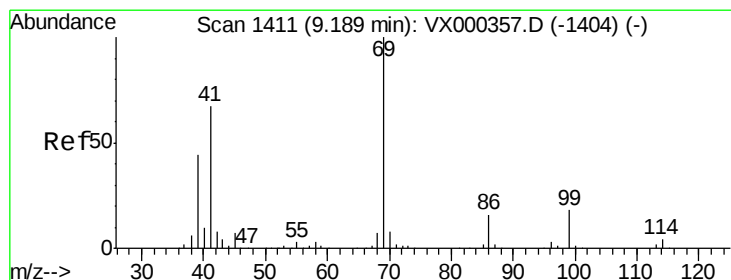
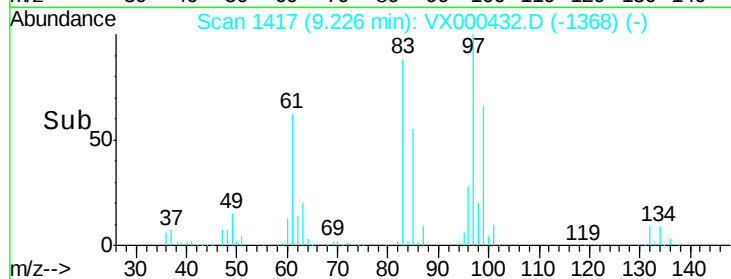
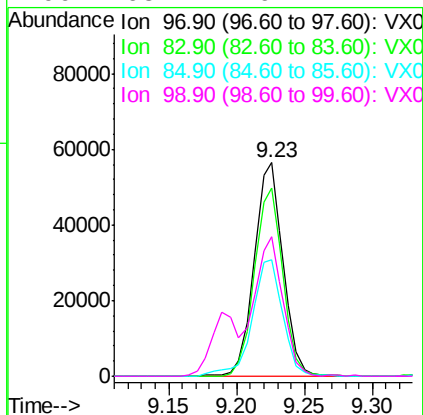
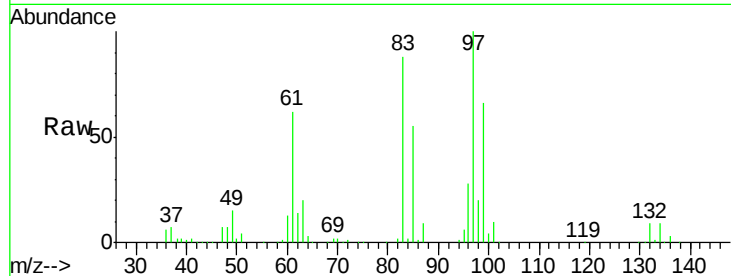
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	83807
Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.9	101.9
85	54.5	42.8	64.2
99	65.1	49.4	74.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.93 ug/l

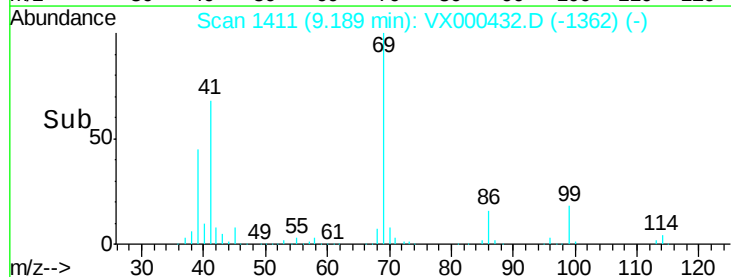
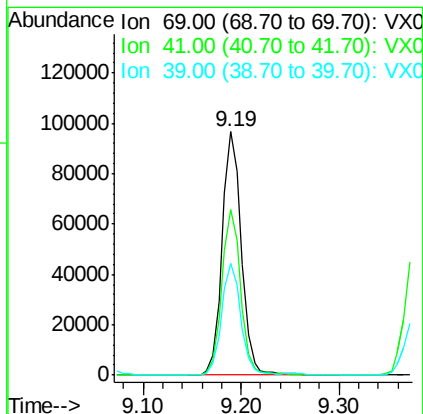
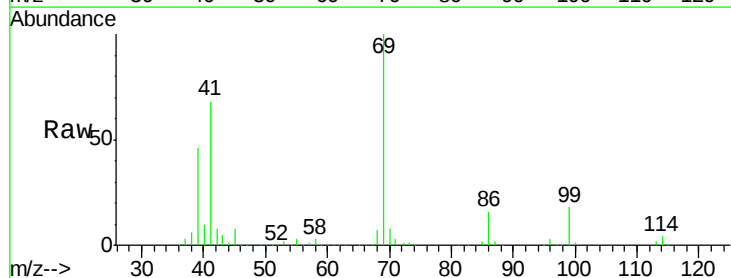
RT: 9.19 min Scan# 1411

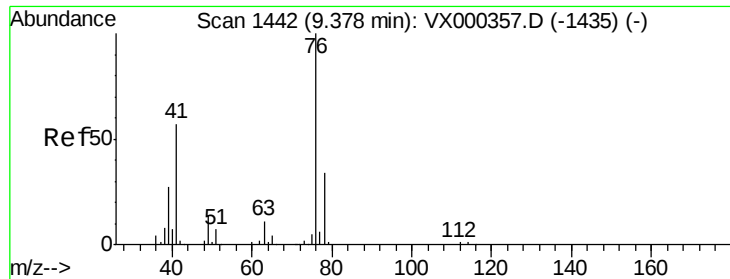
Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	69	Resp:	132044
Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.0	79.6
39	45.3	35.3	52.9





#57

1,3-Dichloropropane

Concen: 52.13 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 137259

Ion Ratio Lower Upper

76 100

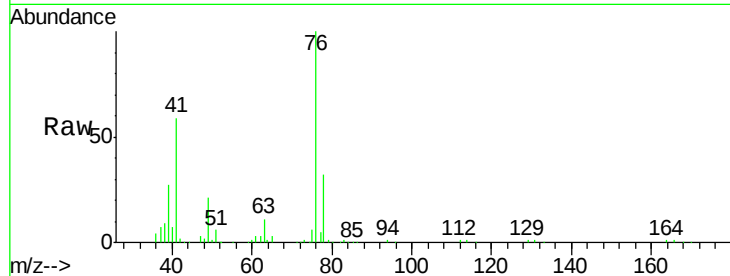
78 33.0 26.4 39.6

Manual Integrations

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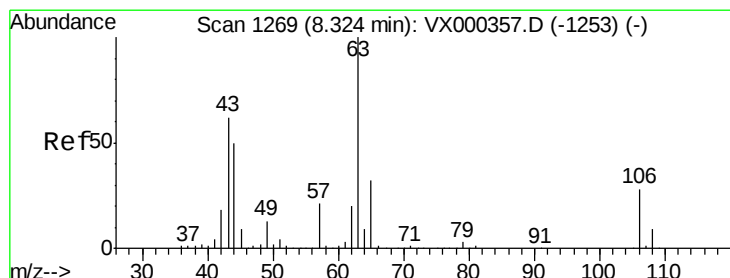
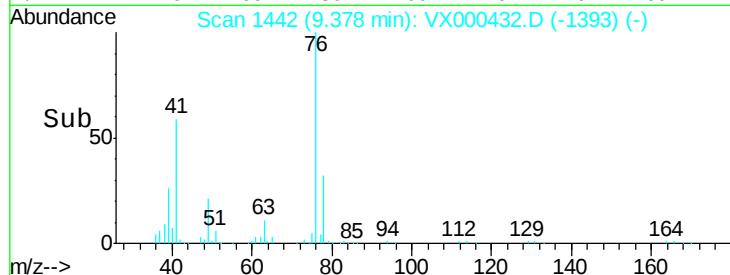
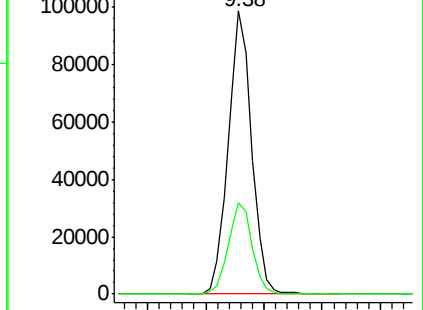
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 261.76 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000432.D

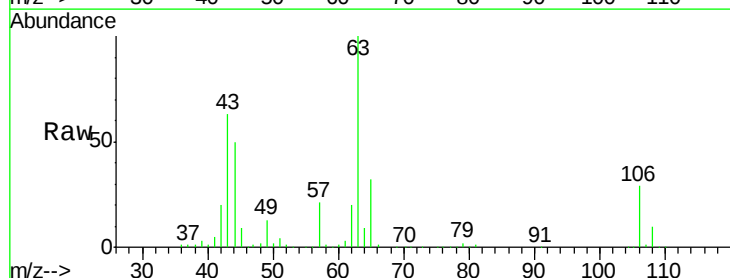
Acq: 23 Mar 2018 17:23

Tgt Ion: 63 Resp: 313406

Ion Ratio Lower Upper

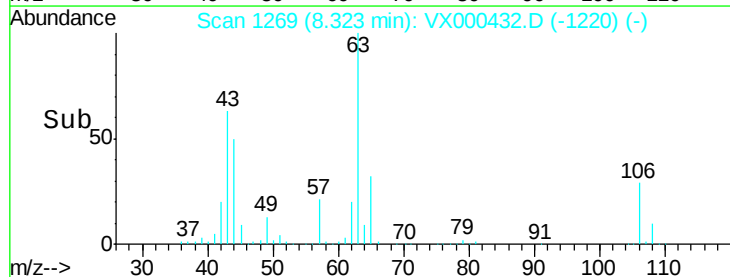
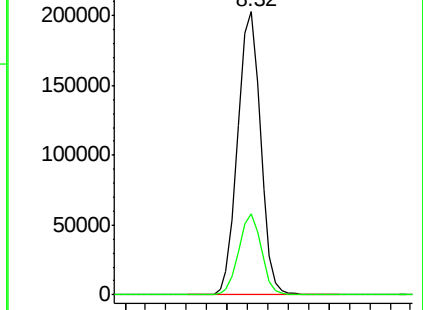
63 100

106 28.4 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





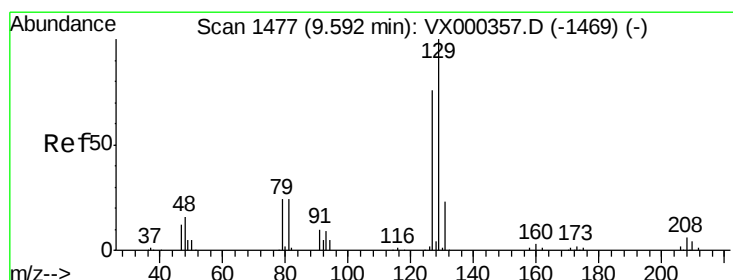
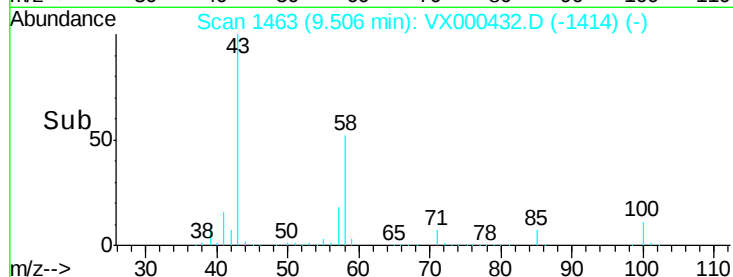
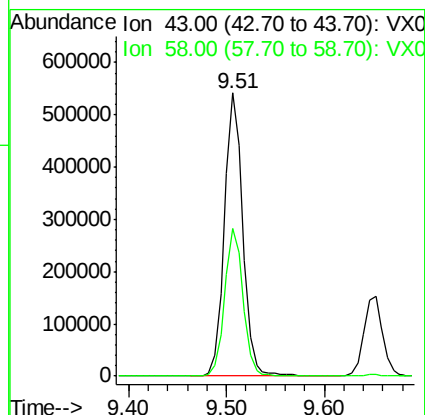
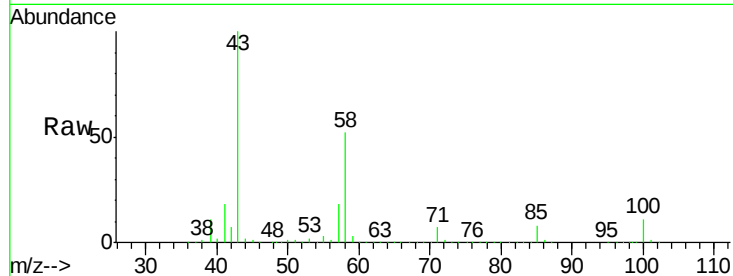
#59
2-Hexanone
Concen: 268.10 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 706497
Ion Ratio Lower Upper
43 100
58 52.2 26.6 79.7

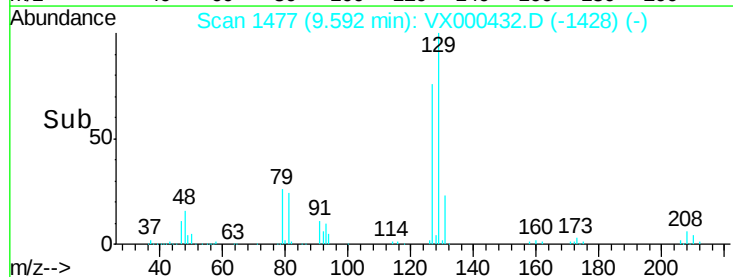
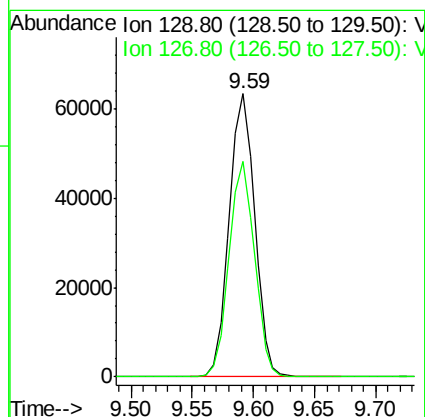
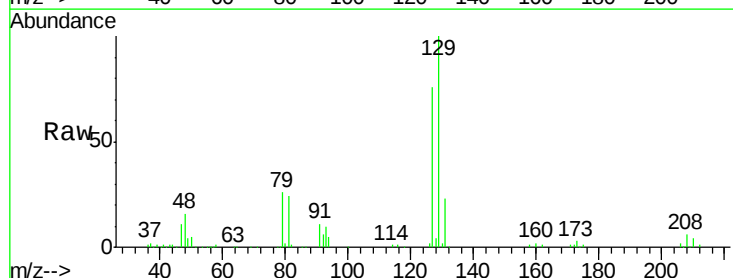
Manual Integrations
APPROVED

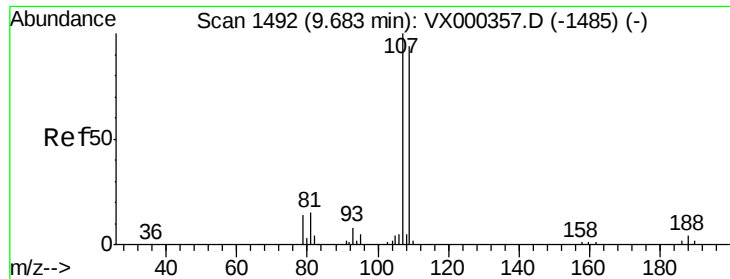
sam
3/26/2018 2:36:37 PM



#60
Dibromochloromethane
Concen: 47.19 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion: 129 Resp: 91453
Ion Ratio Lower Upper
129 100
127 76.1 37.9 113.6





#61

1,2-Dibromoethane

Concen: 52.81 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 93231

Ion Ratio Lower Upper

107 100

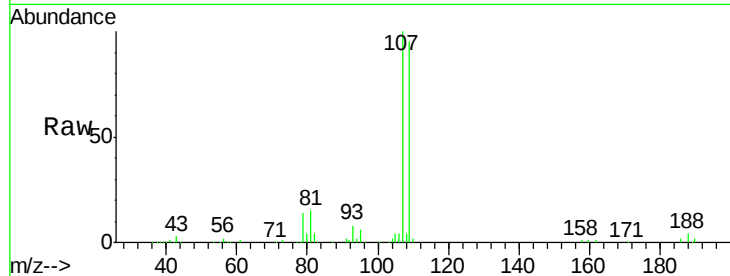
109 93.2 76.1 114.1

Manual Integrations

APPROVED

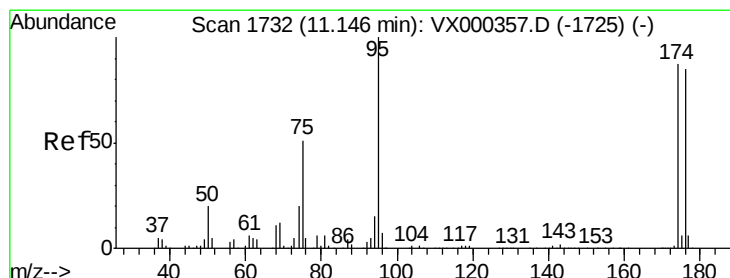
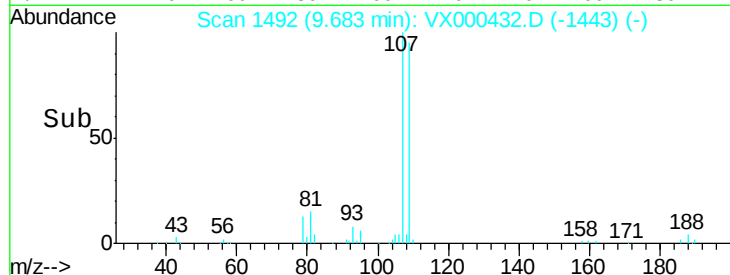
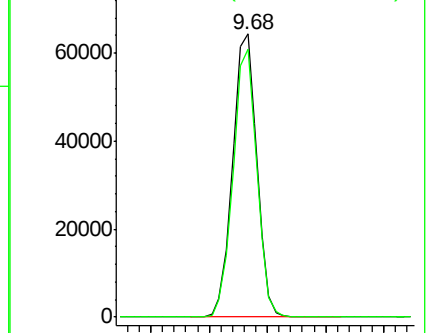
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

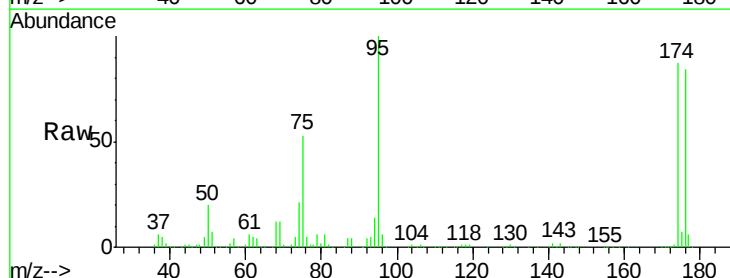
Tgt Ion: 95 Resp: 108848

Ion Ratio Lower Upper

95 100

174 87.1 0.0 173.6

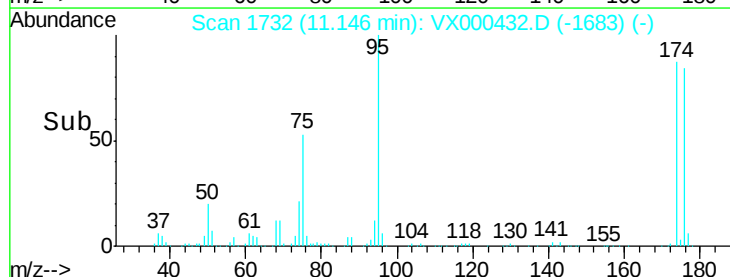
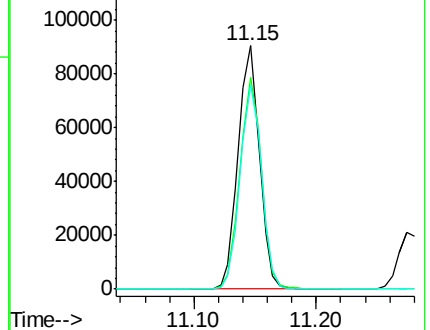
176 84.1 0.0 164.6

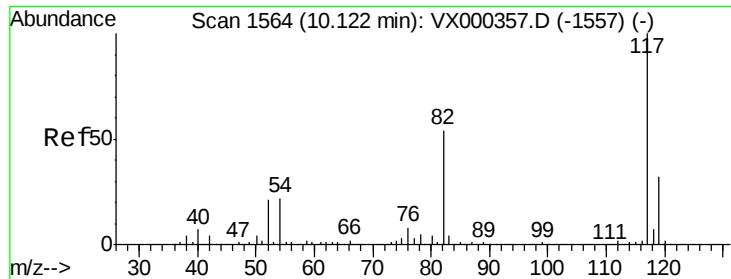


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





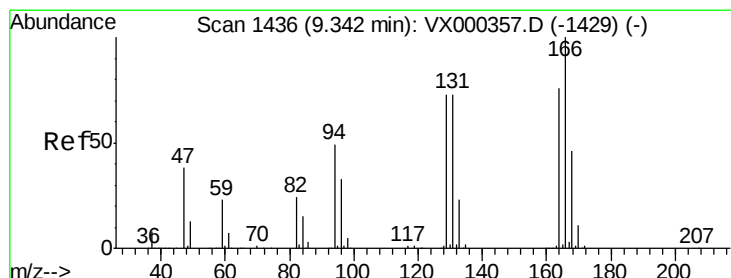
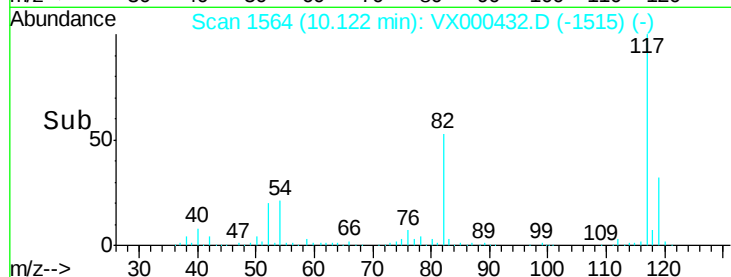
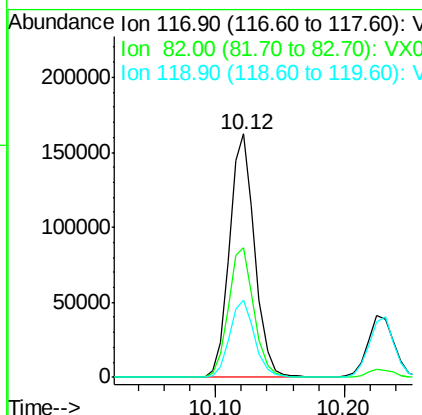
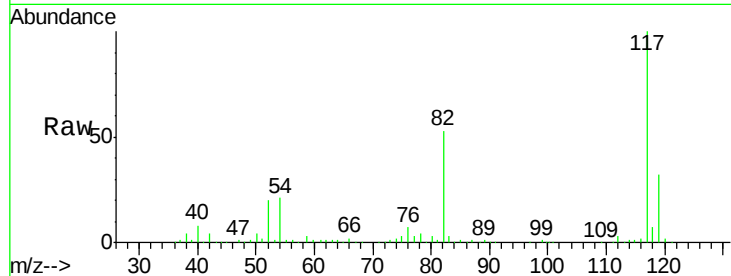
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.8	65.8
119	31.9	24.9	37.3

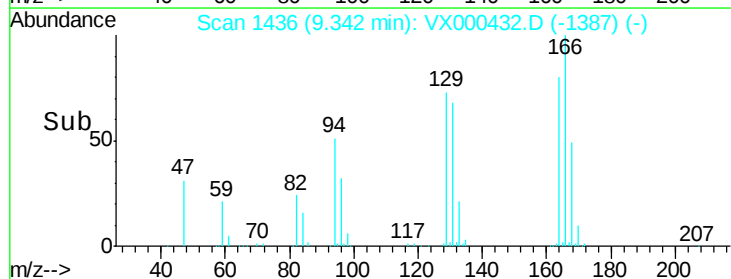
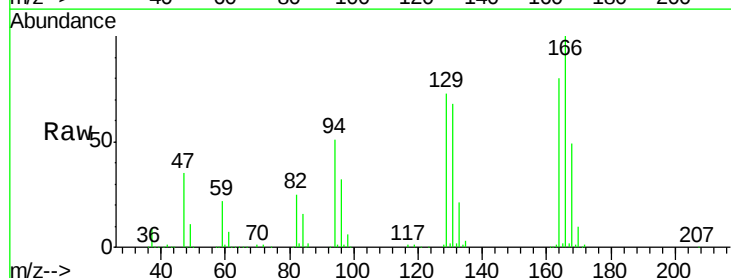
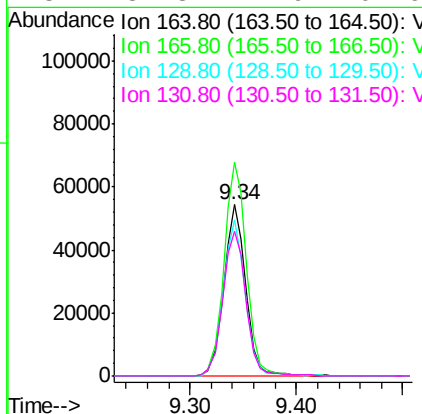
Manual Integrations
APPROVED

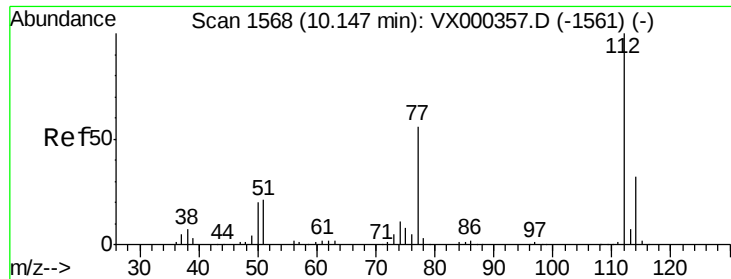
sam
3/26/2018 2:36:37 PM



#64
Tetrachloroethene
Concen: 45.23 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	101.0	151.6
129	91.3	79.0	118.4
131	84.3	71.9	107.9





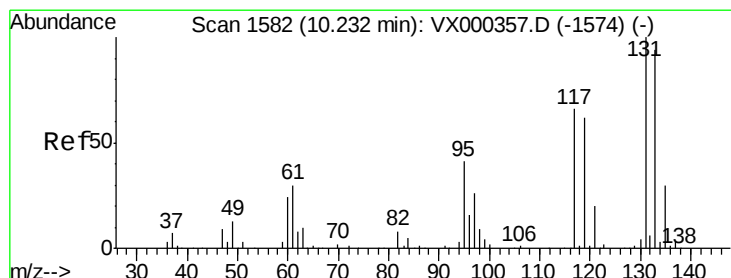
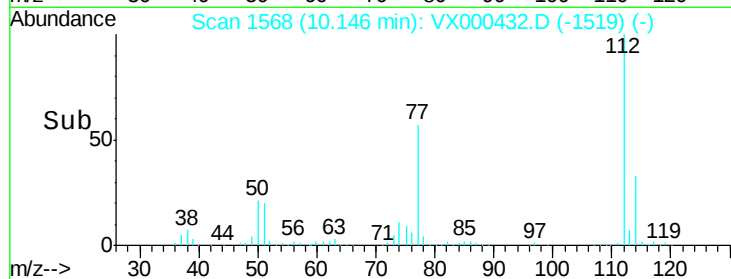
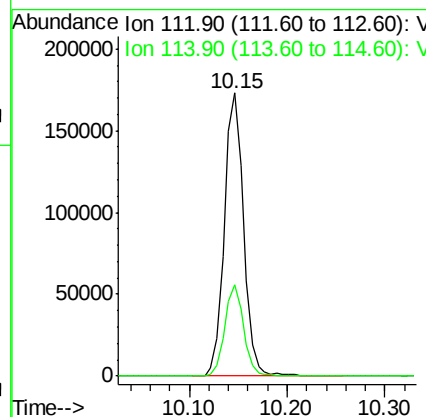
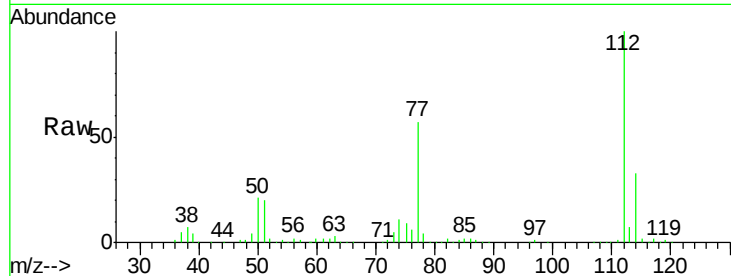
#65
Chlorobenzene
Concen: 47.70 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 235942
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

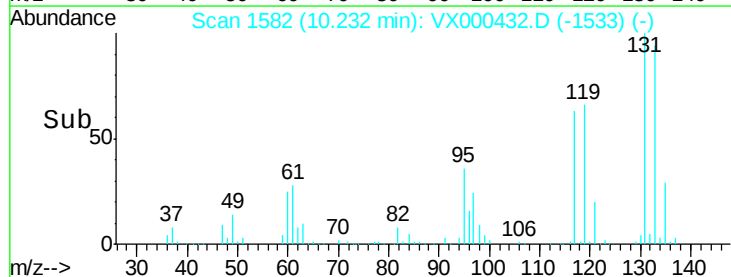
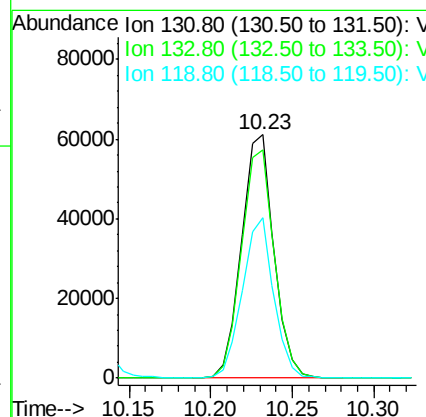
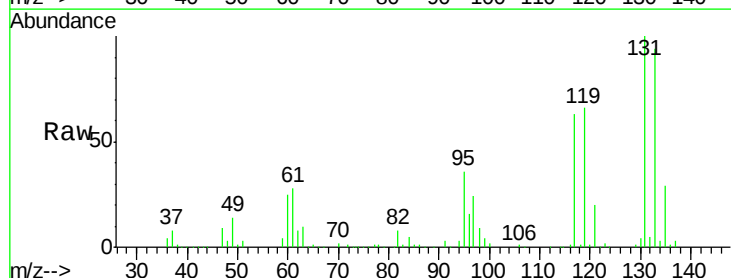
Manual Integrations
APPROVED

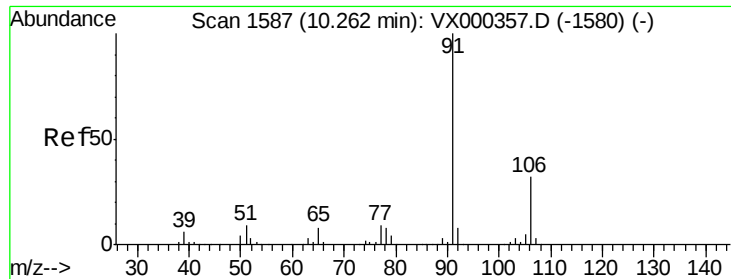
sam
3/26/2018 2:36:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.24 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion:131 Resp: 84402
Ion Ratio Lower Upper
131 100
133 95.6 47.1 141.3
119 64.2 33.1 99.2





#67

Ethyl Benzene

Concen: 48.80 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 409196

Ion Ratio Lower Upper

91 100

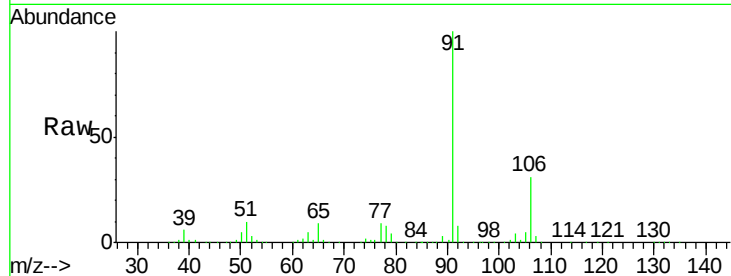
106 30.9 25.0 37.6

Manual Integrations

APPROVED

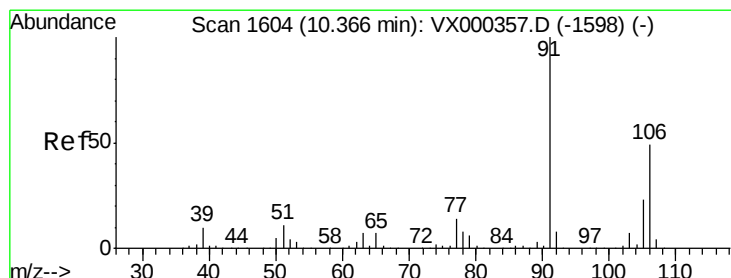
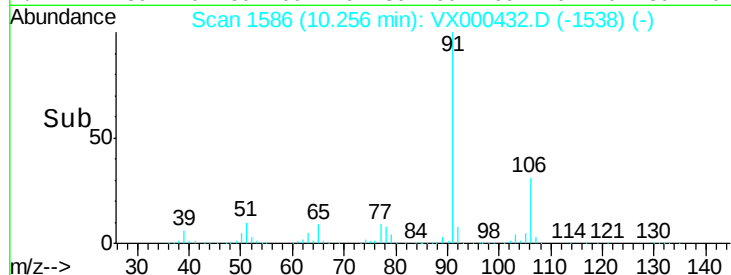
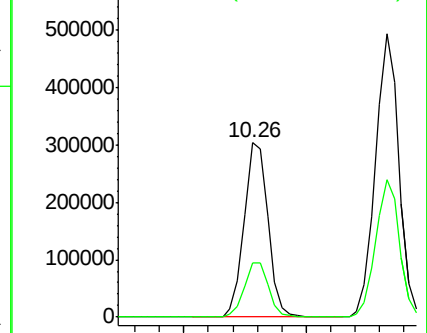
sam

3/26/2018 2:36:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.31 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000432.D

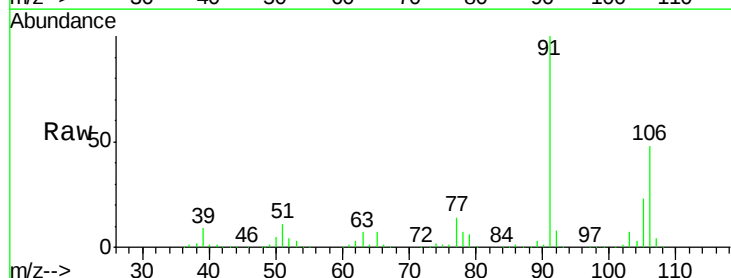
Acq: 23 Mar 2018 17:23

Tgt Ion: 106 Resp: 324394

Ion Ratio Lower Upper

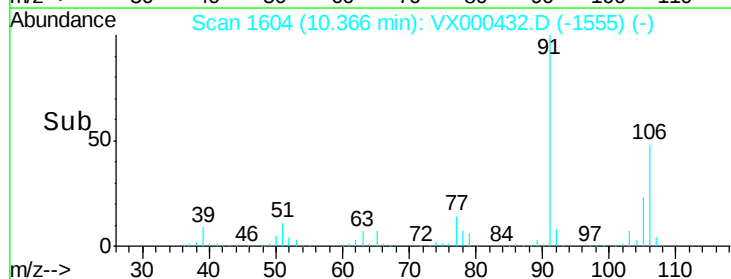
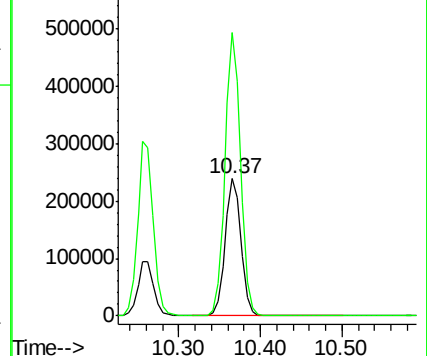
106 100

91 202.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





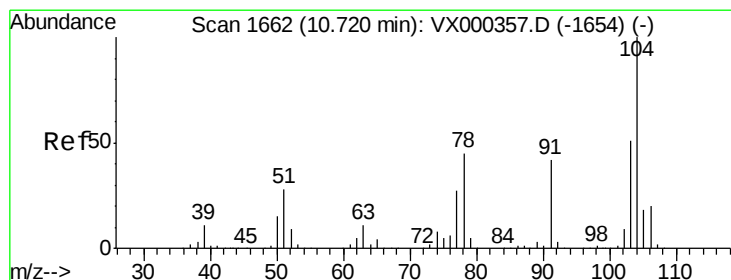
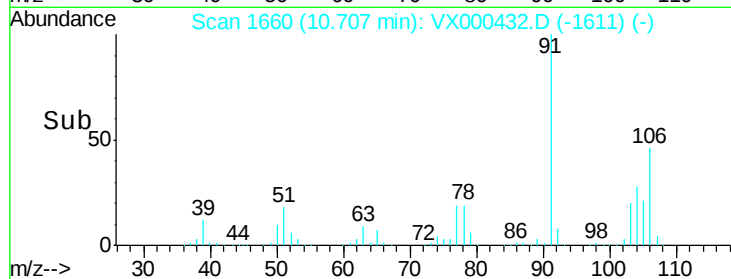
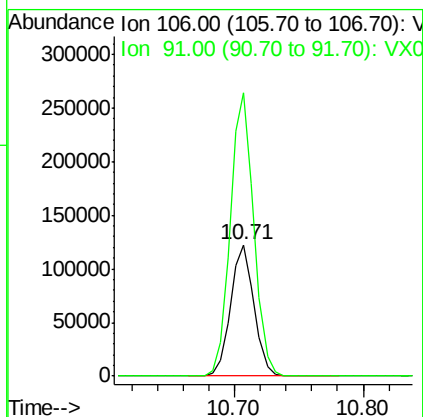
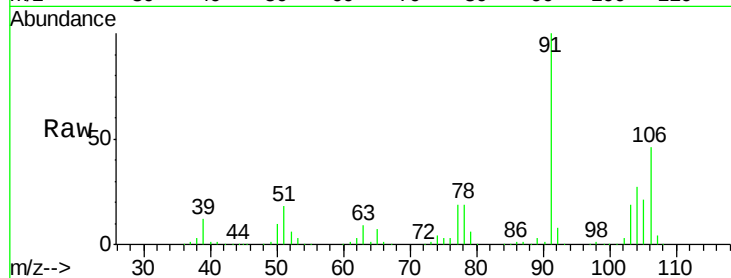
#69
o-Xylene
Concen: 48.76 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.8	106.5	319.6	

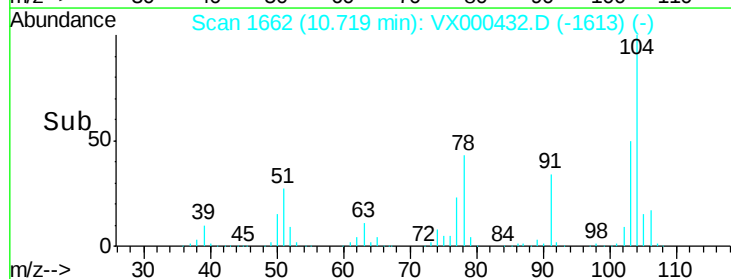
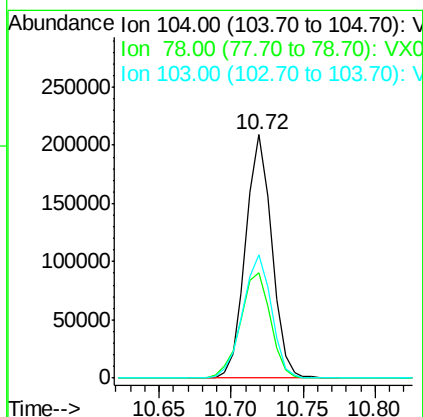
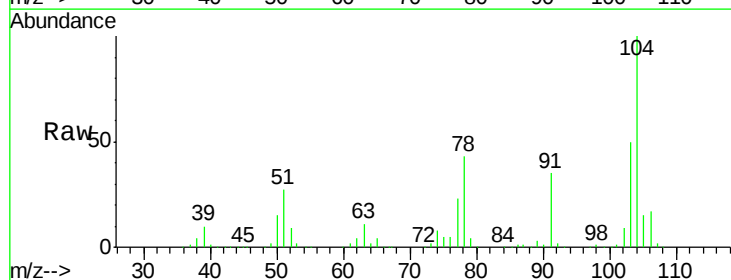
Manual Integrations
APPROVED

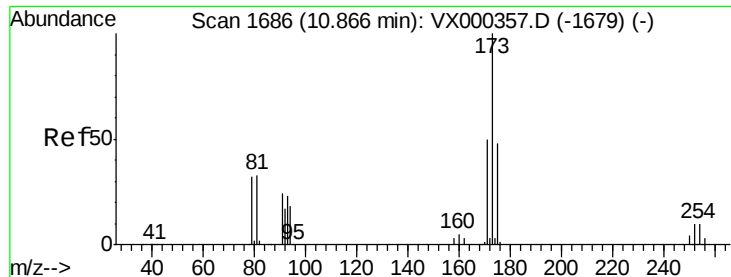
sam
3/26/2018 2:36:37 PM



#70
Styrene
Concen: 49.72 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	40.5	60.7	
103	56.2	45.7	68.5	





#71

Bromoform

Concen: 42.13 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 72306

Ion Ratio Lower Upper

173 100

175 48.4 25.4 76.4

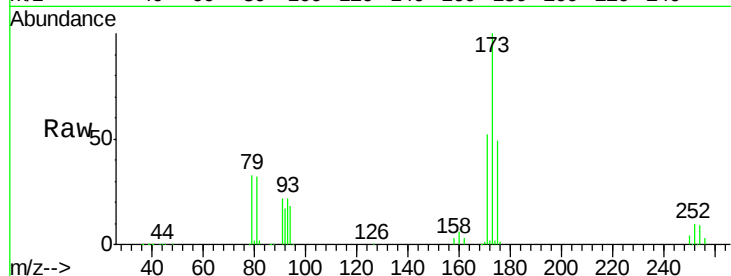
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

sam

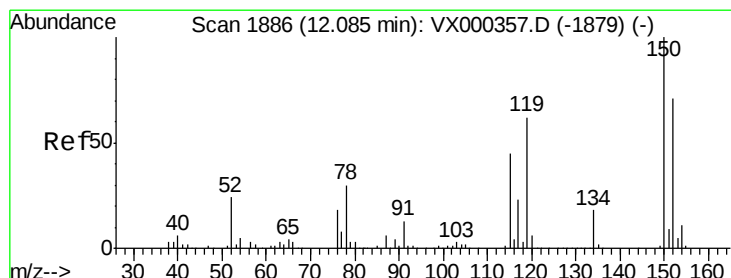
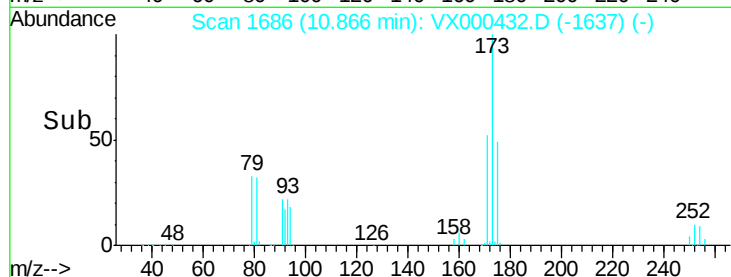
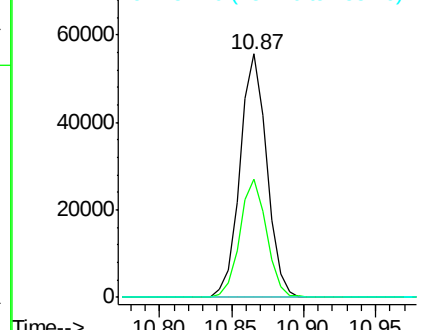
3/26/2018 2:36:37 PM



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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

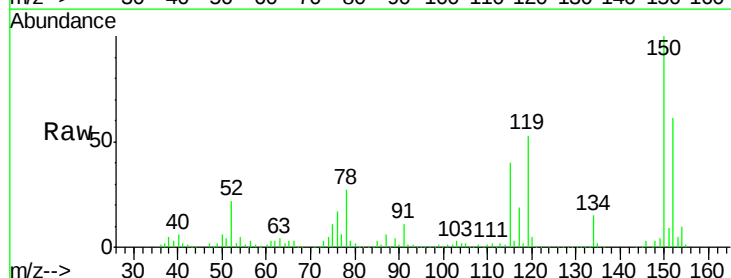
Tgt Ion:152 Resp: 133518

Ion Ratio Lower Upper

152 100

115 85.3 39.8 119.3

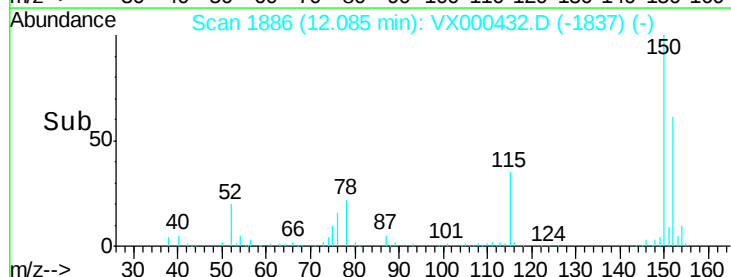
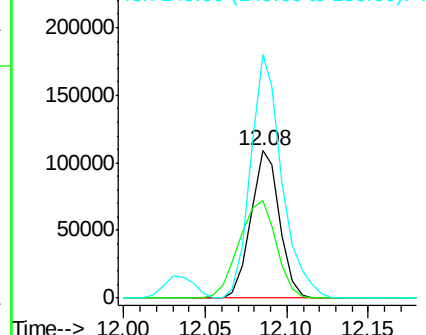
150 180.1 0.0 344.4

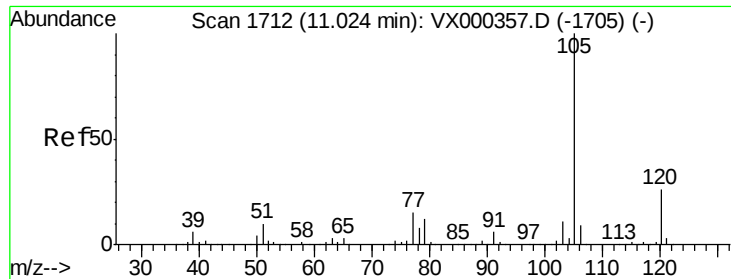


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.47 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 437648

Ion Ratio Lower Upper

105 100

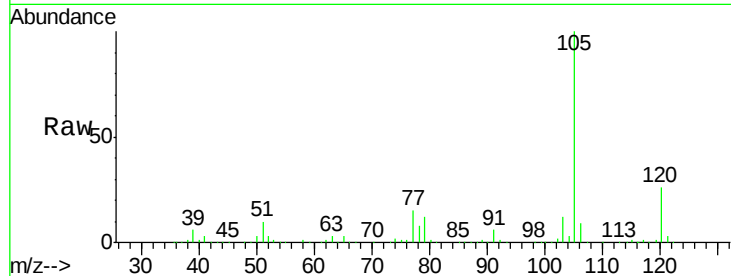
120 26.5 13.6 40.7

Manual Integrations

APPROVED

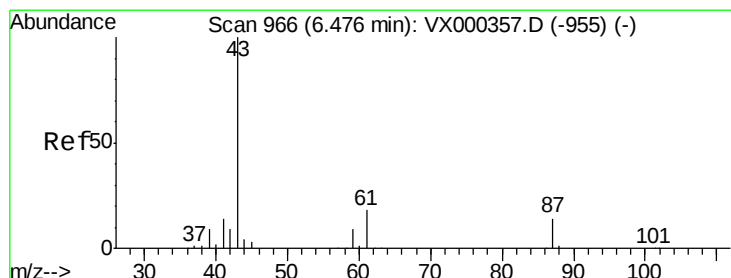
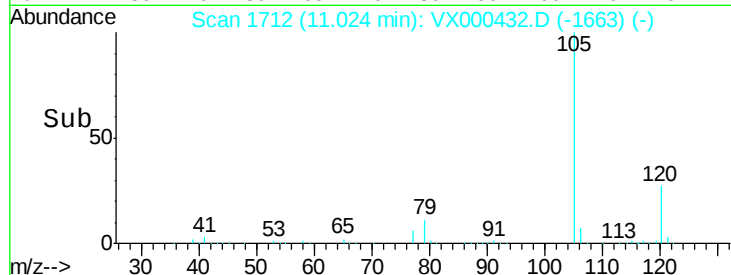
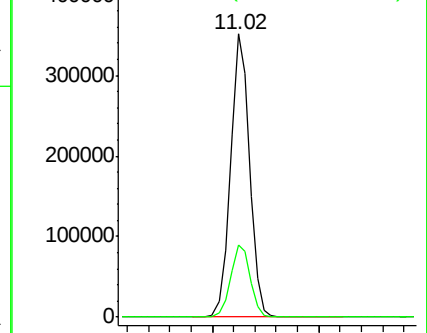
sam

3/26/2018 2:36:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.86 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion: 43 Resp: 203116

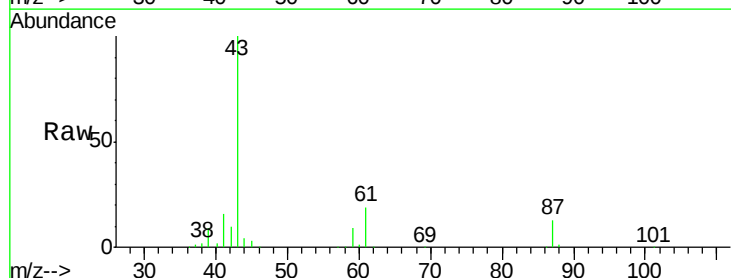
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.7 14.4 21.6

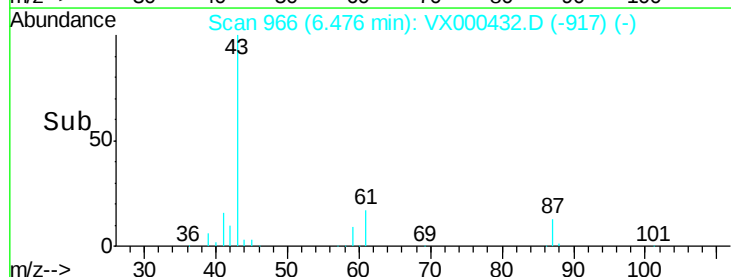
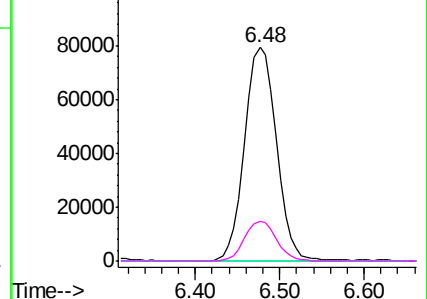


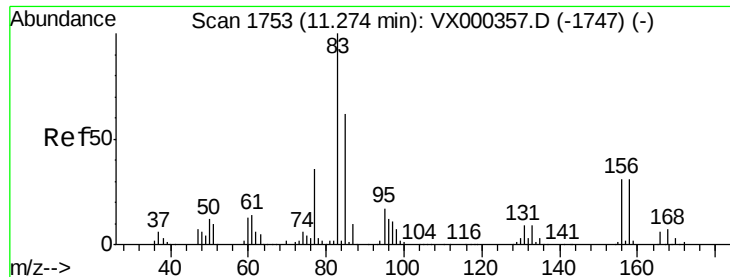
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.43 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

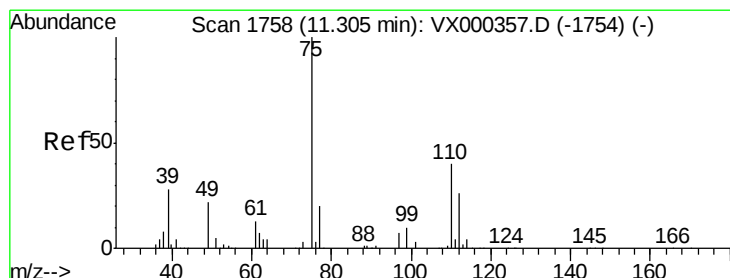
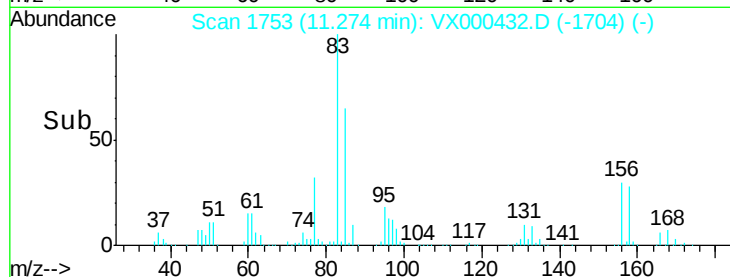
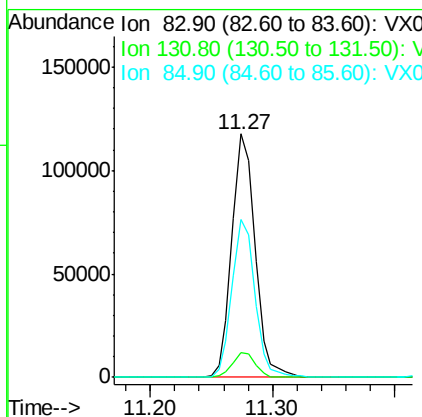
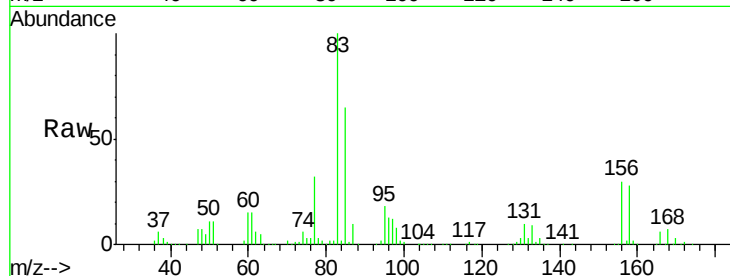
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	154663
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.5	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.09 ug/l m

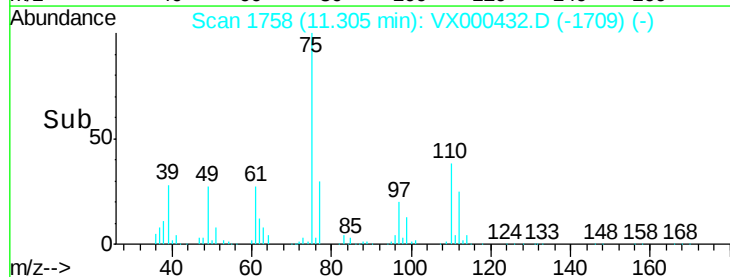
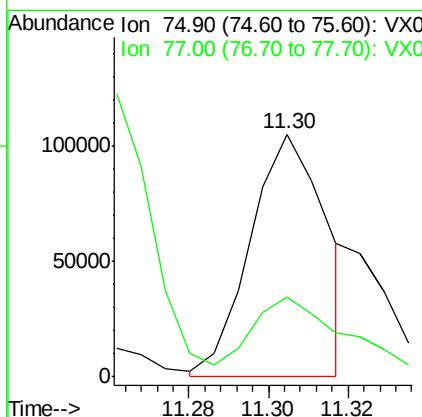
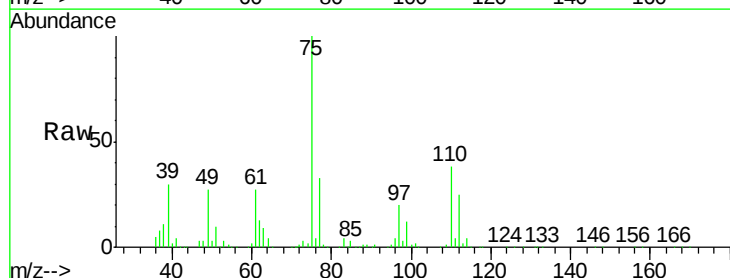
RT: 11.30 min Scan# 1758

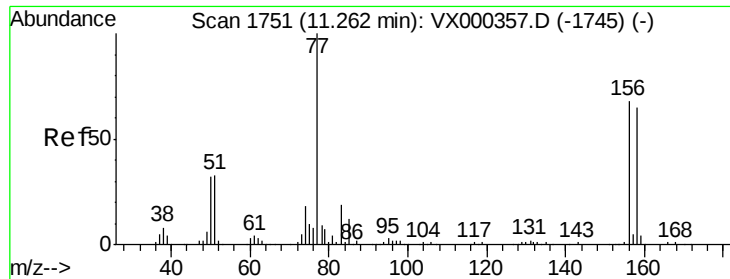
Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	75	Resp:	138002
Ion Ratio	Lower	Upper	
75	100		
77	42.0	21.4	64.2





#77

Bromobenzene

Concen: 45.64 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

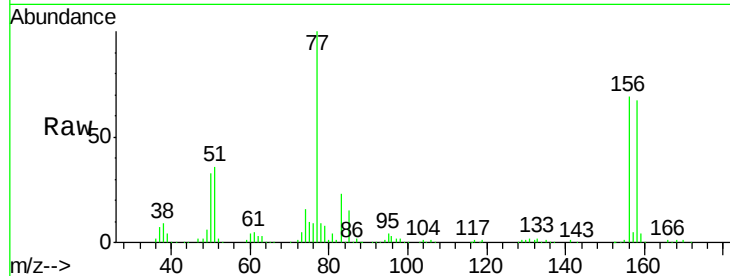
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	107552
Ion Ratio	Lower	Upper	
156	100		
77	143.9	73.4	220.2
158	97.4	48.5	145.6

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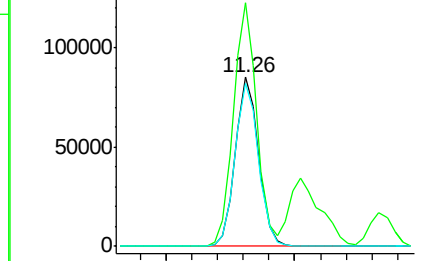
sam
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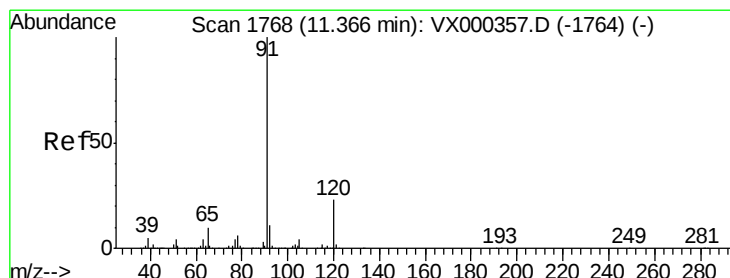
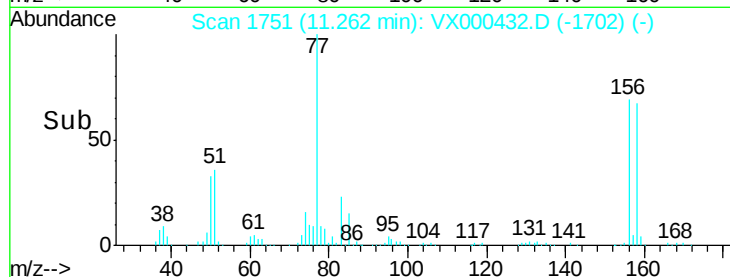
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 49.36 ug/l

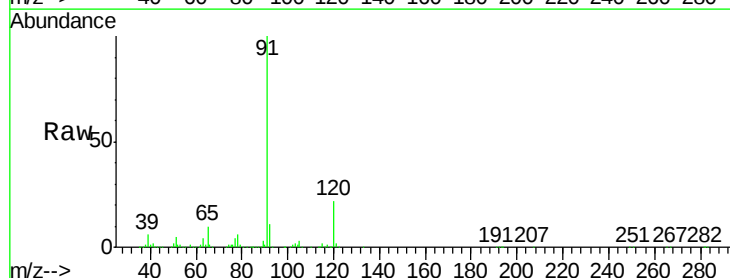
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000432.D

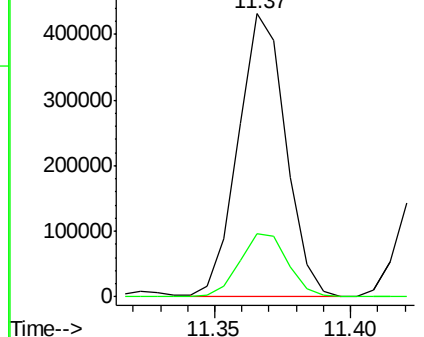
Acq: 23 Mar 2018 17:23

Tgt Ion:	91	Resp:	520656
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.8	35.3

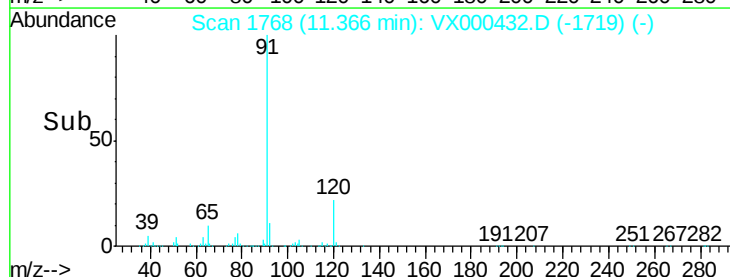


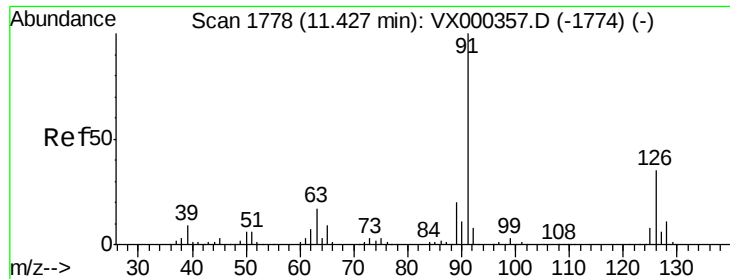
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 47.33 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 288389

Ion Ratio Lower Upper

91 100

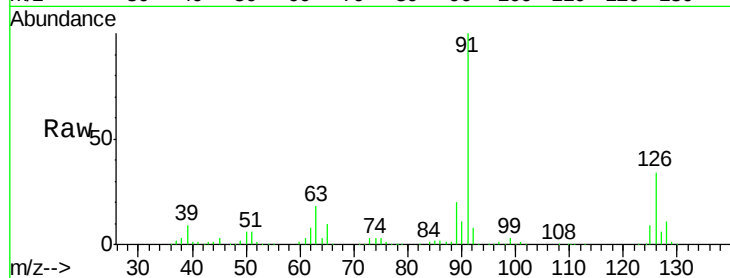
126 35.9 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX000432.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX000432.D (-1729) (-)

500000

400000

300000

200000

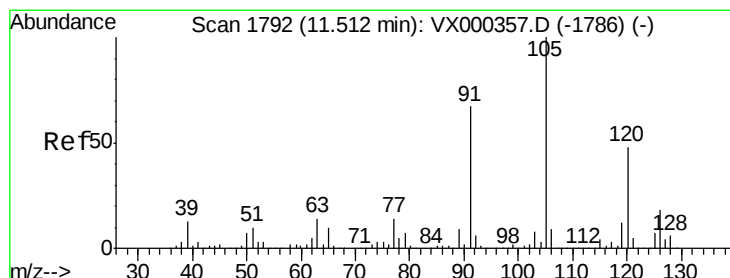
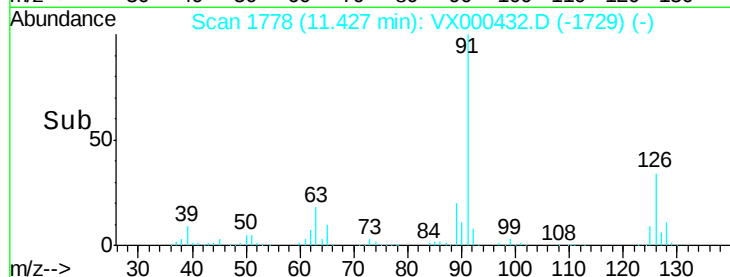
100000

0

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.96 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000432.D

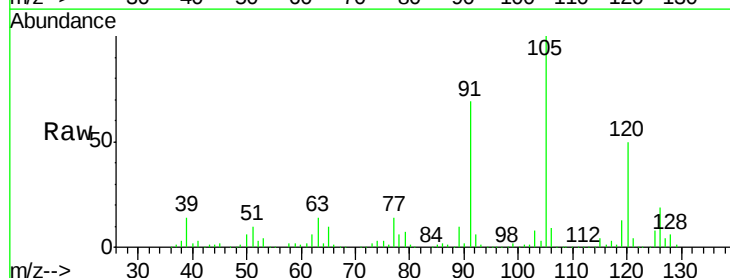
Acq: 23 Mar 2018 17:23

Tgt Ion: 105 Resp: 379077

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000432.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX000432.D (-1743) (-)

300000

200000

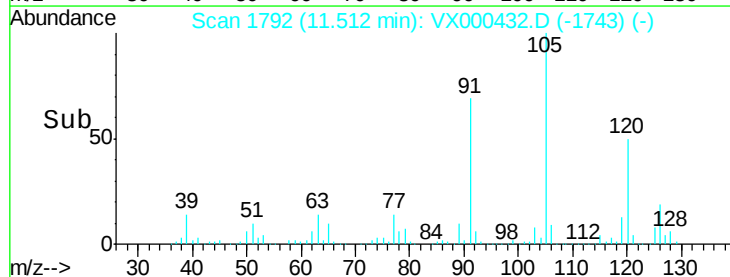
100000

0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.02 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 44332

Ion Ratio Lower Upper

75 100

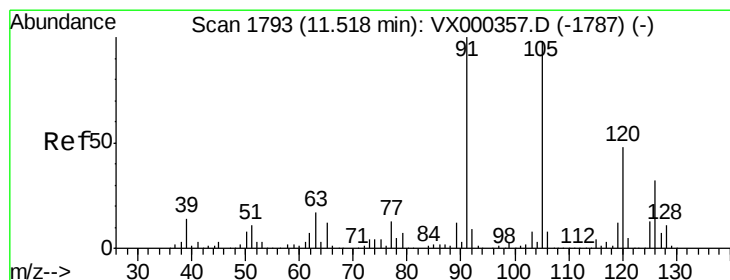
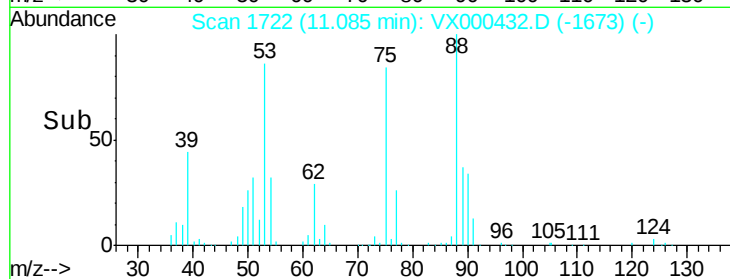
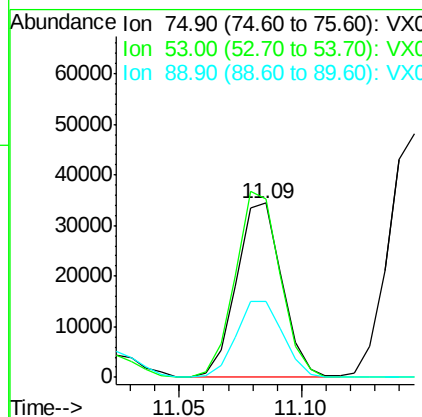
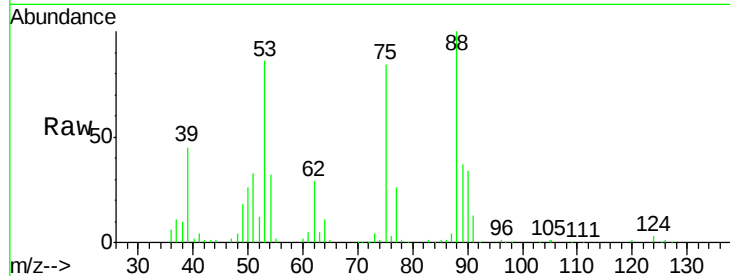
53 105.8 80.7 121.1

89 45.1 39.4 59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.55 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000432.D

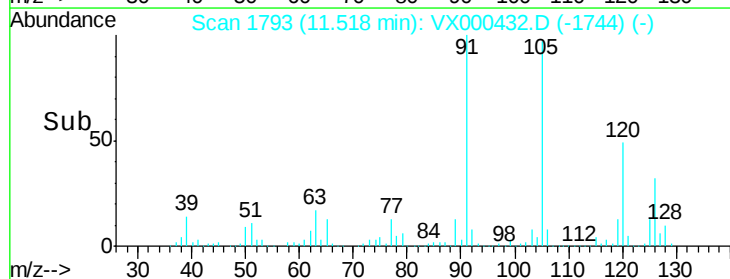
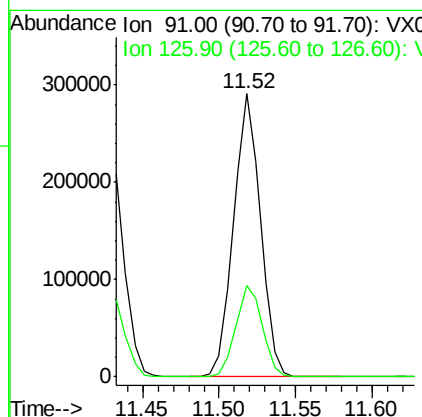
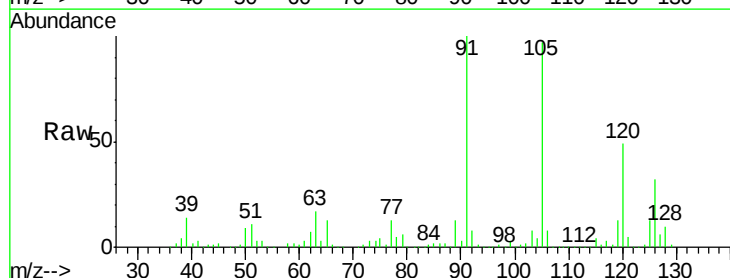
Acq: 23 Mar 2018 17:23

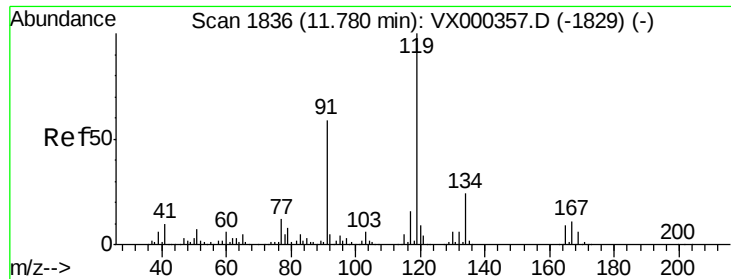
Tgt Ion: 91 Resp: 353221

Ion Ratio Lower Upper

91 100

126 32.1 15.4 46.1





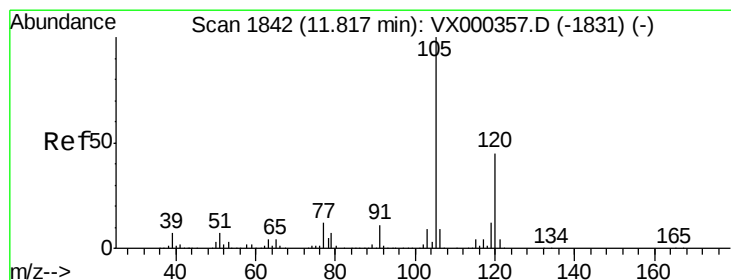
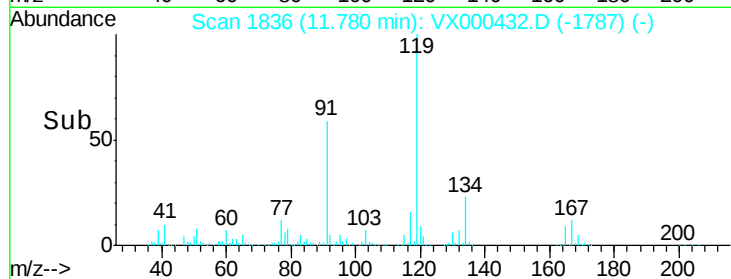
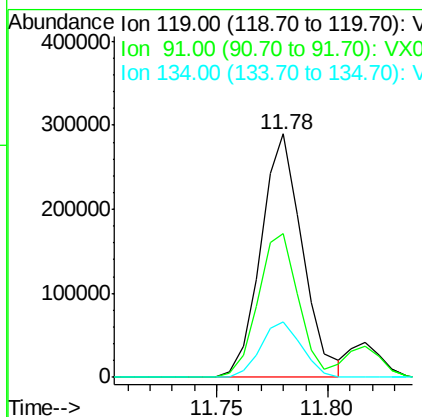
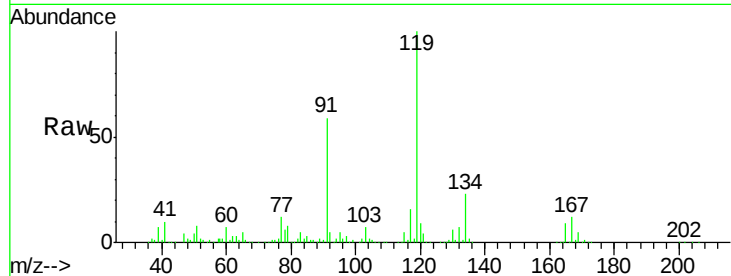
#83
 tert-Butylbenzene
 Concen: 49.94 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.8	86.4
134	22.9	11.4	34.1

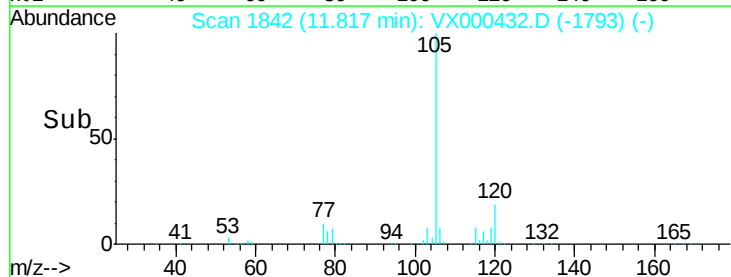
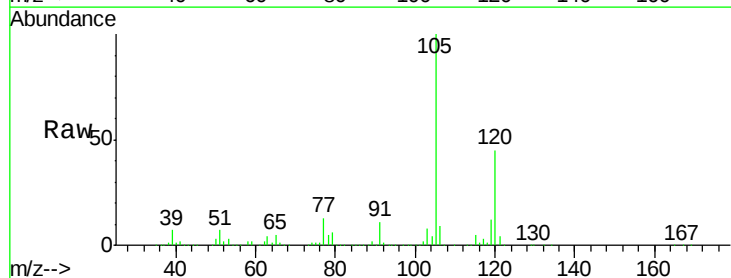
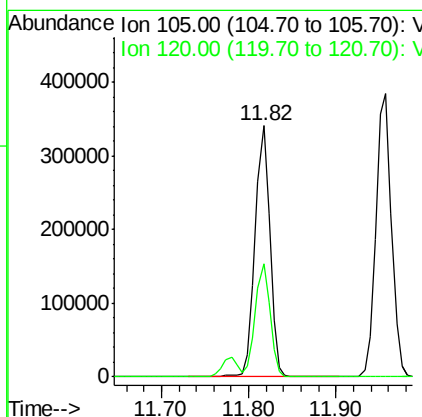
Manual Integrations
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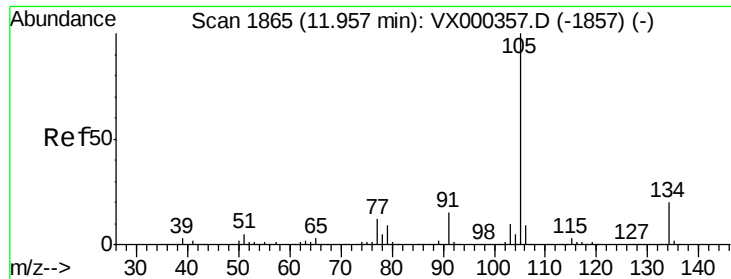
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.04 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 51.33 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 476493

Ion Ratio Lower Upper

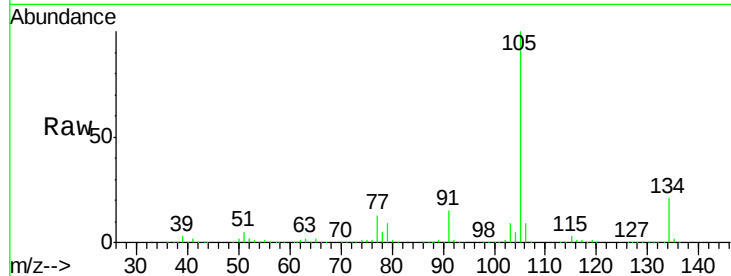
105 100

134 20.3 10.3 30.8

Manual Integrations
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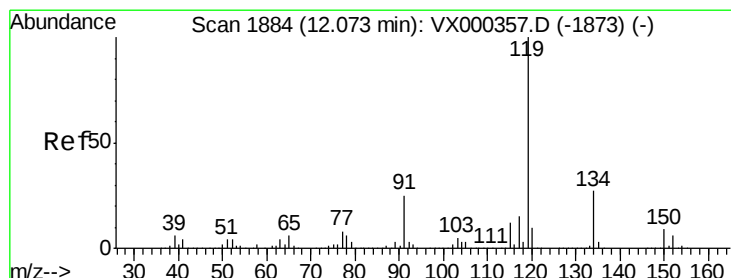
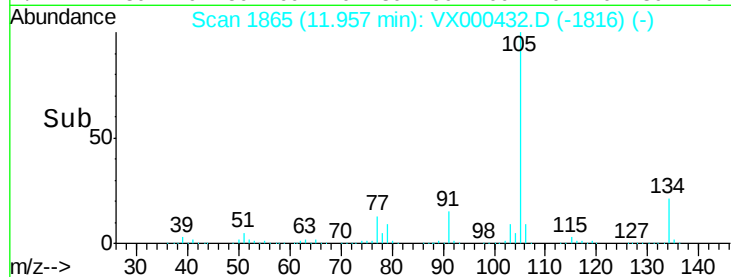
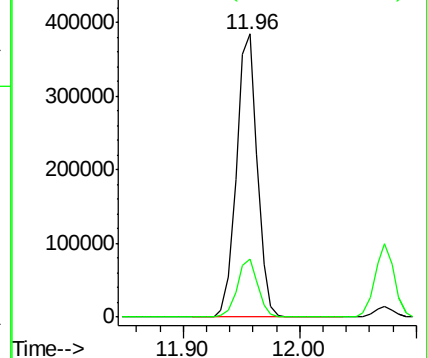
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.10 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

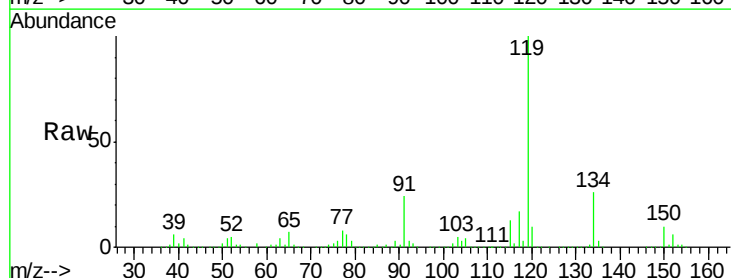
Tgt Ion:119 Resp: 429476

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

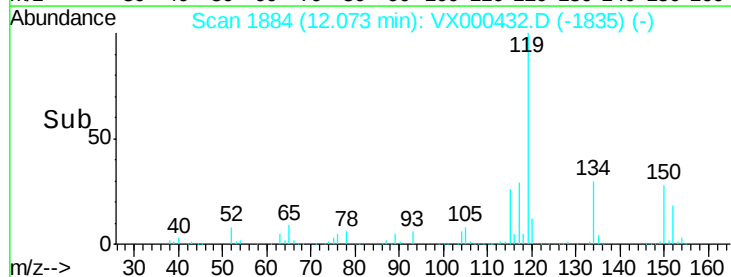
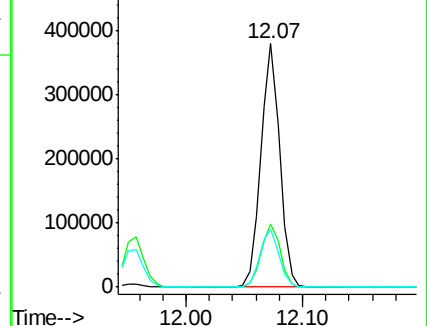
91 24.2 12.0 36.1

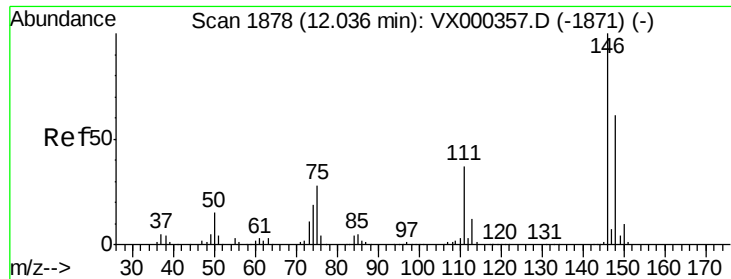


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





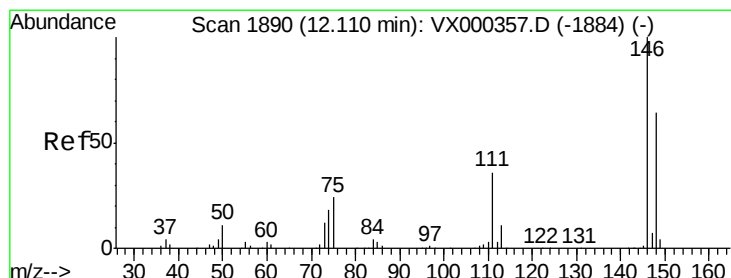
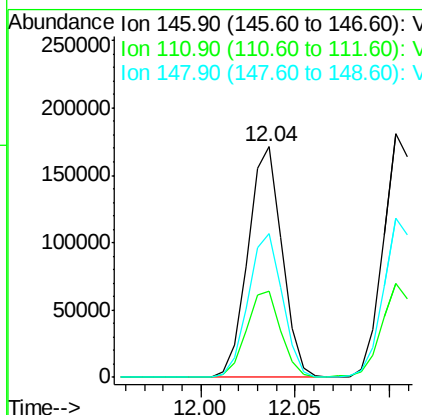
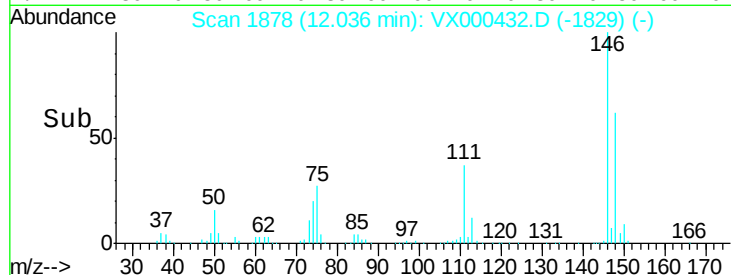
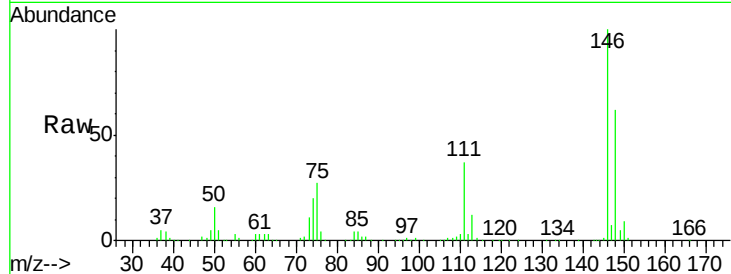
#87
 1,3-Dichlorobenzene
 Concen: 48.13 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.5	58.5
148	62.7	32.4	97.0

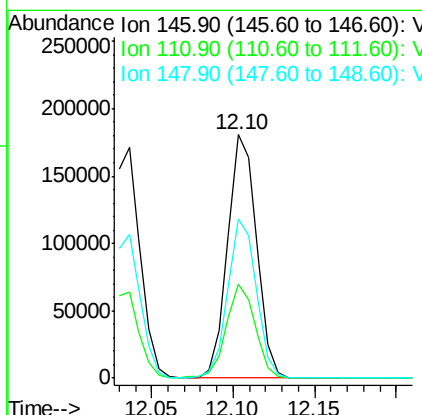
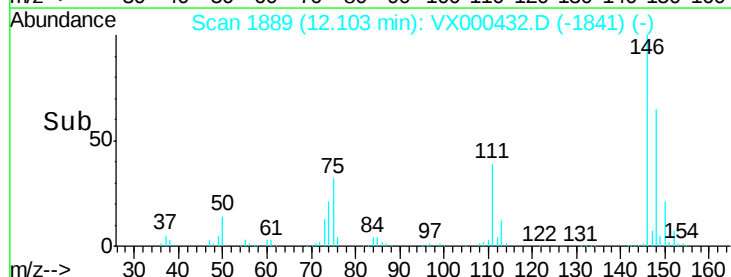
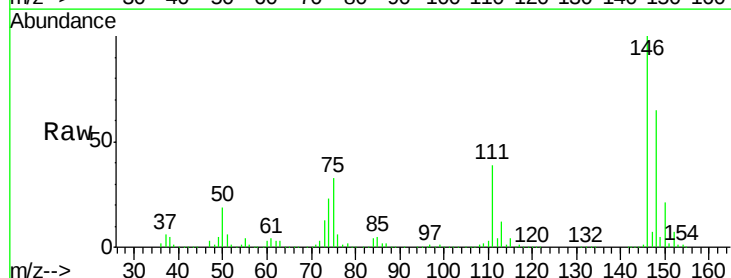
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 47.47 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	64.6	31.0	93.0





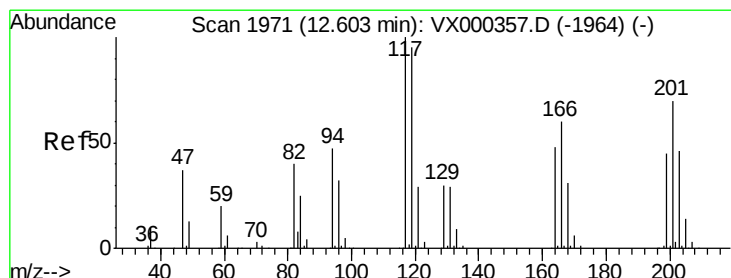
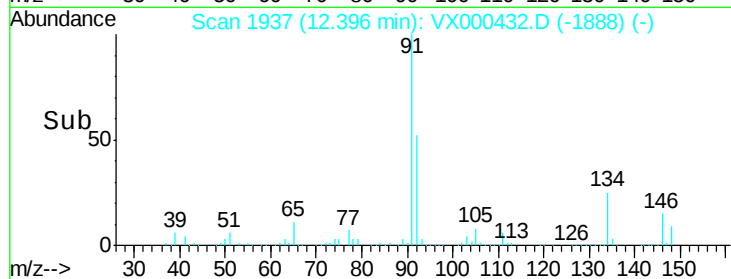
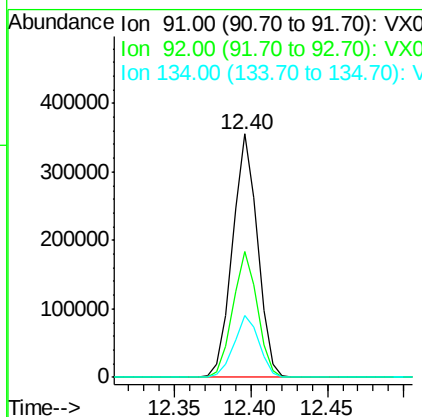
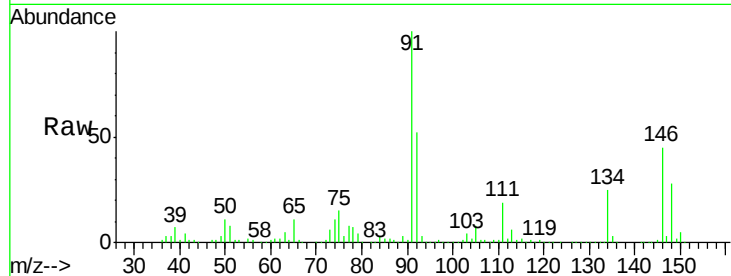
#89
n-Butylbenzene
Concen: 52.28 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.8
134	25.4	13.1	39.3

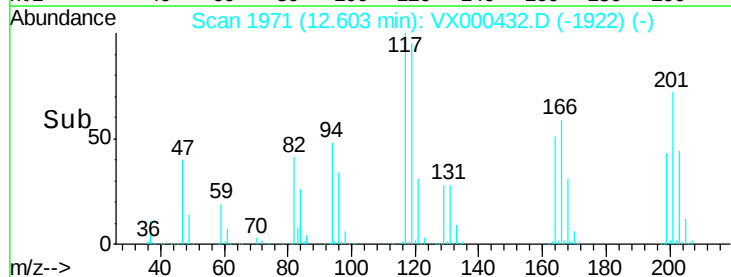
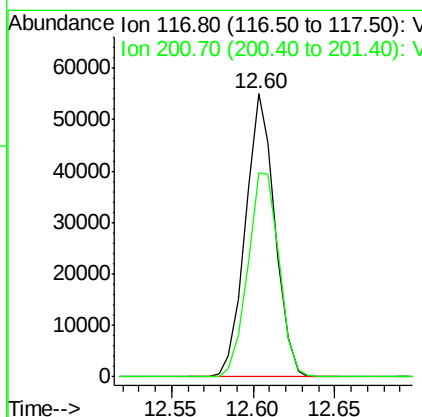
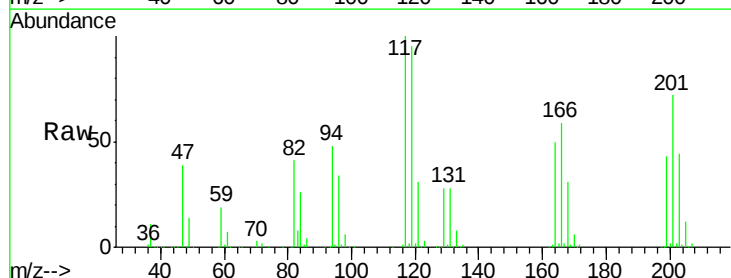
Manual Integrations
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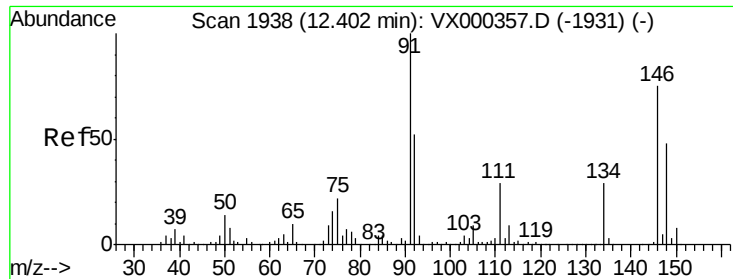
sam
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#90
Hexachloroethane
Concen: 53.37 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000432.D
Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 49.63 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

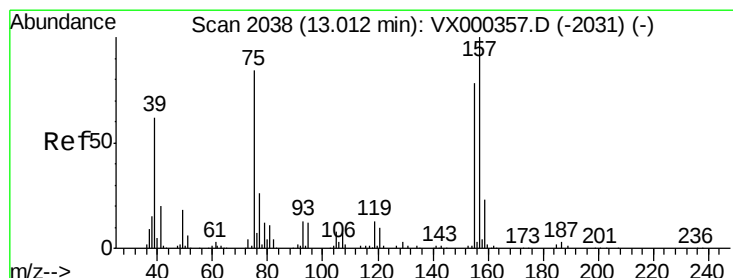
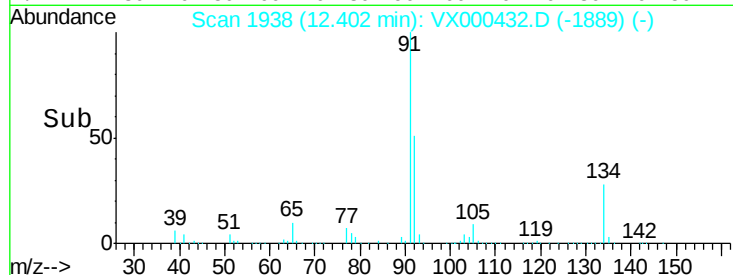
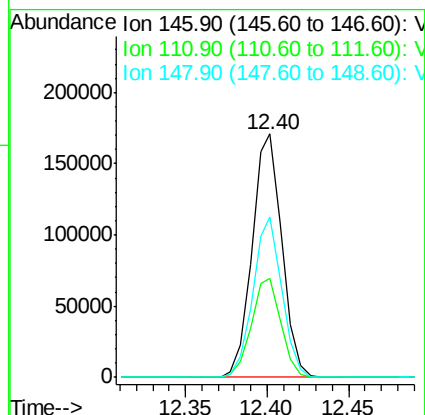
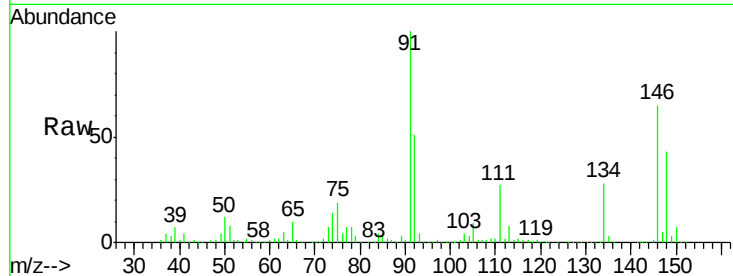
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	216810
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.1	60.2
148	63.9	31.2	93.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.61 ug/l

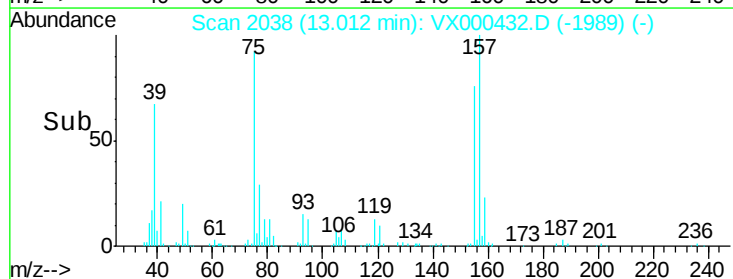
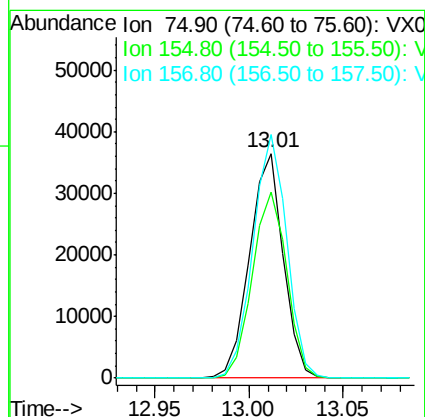
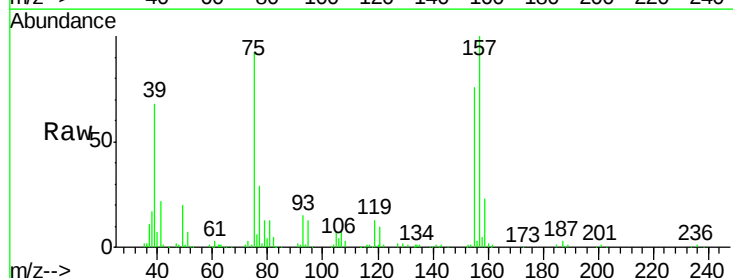
RT: 13.01 min Scan# 2038

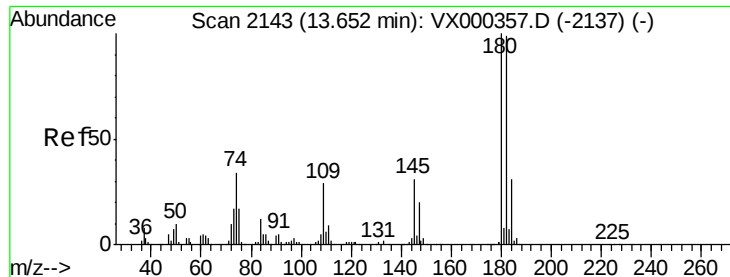
Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	75	Resp:	45034
Ion Ratio	Lower	Upper	
75	100		
155	84.7	45.0	134.8
157	108.9	58.1	174.2





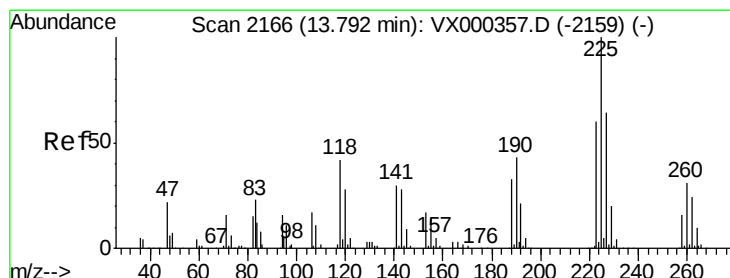
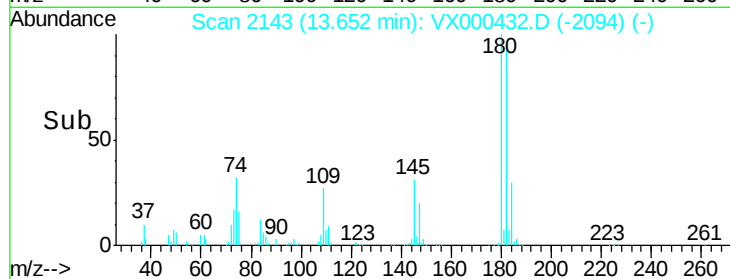
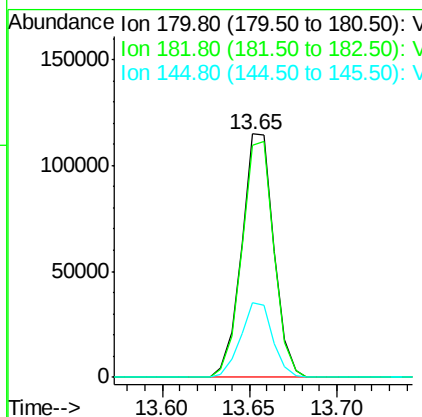
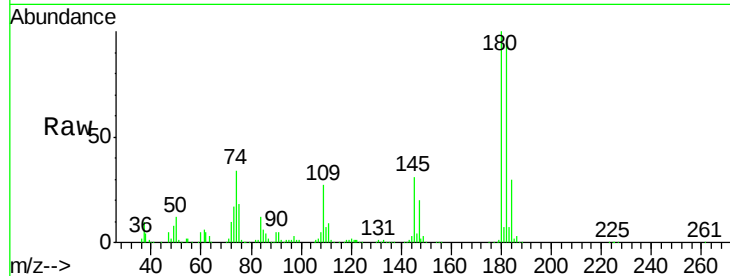
#93
 1,2,4-Trichlorobenzene
 Concen: 46.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146011		
182	96.4	47.6	142.9	
145	30.5	15.1	45.3	

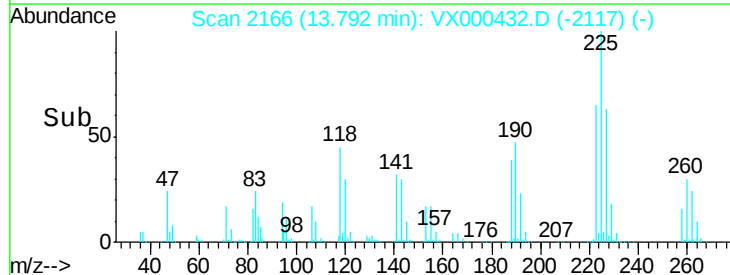
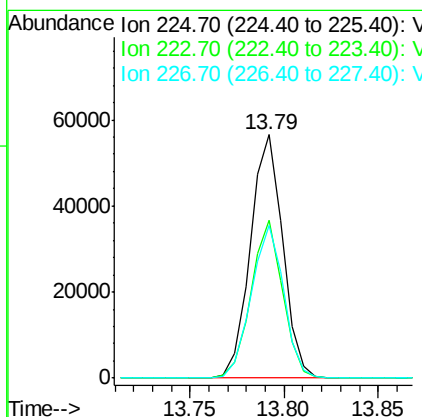
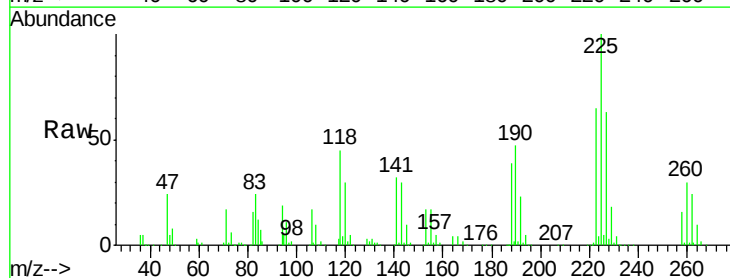
Manual Integrations
 APPROVED

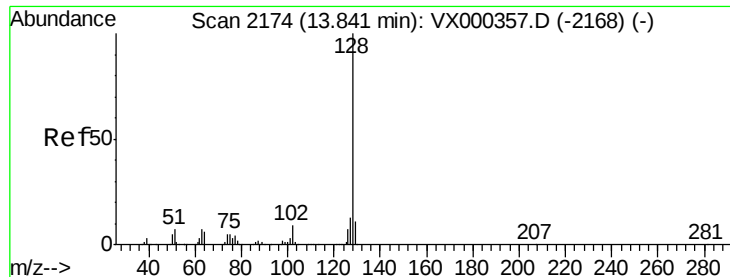
sam
 3/26/2018 2:36:37 PM



#94
 Hexachlorobutadiene
 Concen: 51.76 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000432.D
 Acq: 23 Mar 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67126		
223	63.3	32.0	96.0	
227	63.0	32.6	98.0	





#95

Naphthalene

Concen: 50.12 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Instrument :

MSVOA_X

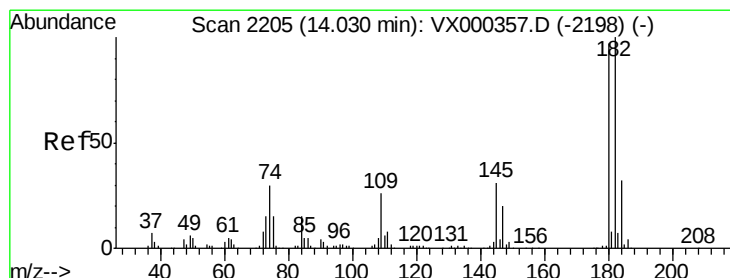
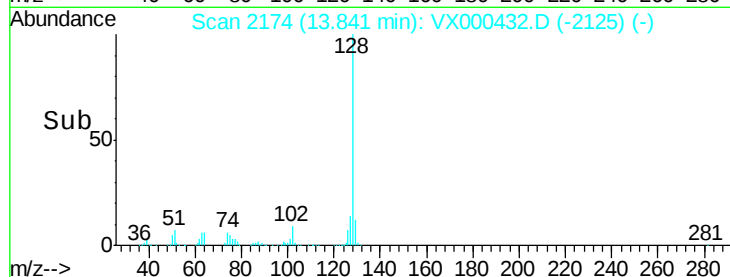
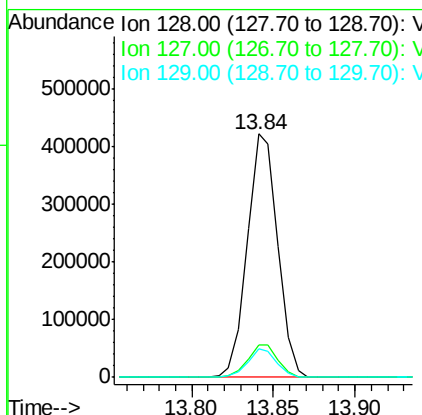
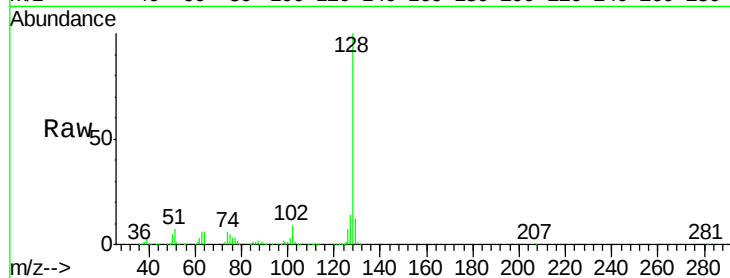
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	546818
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam
3/26/2018 2:36:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.35 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000432.D

Acq: 23 Mar 2018 17:23

Tgt Ion:	180	Resp:	152734
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.4	142.3
145	31.5	15.8	47.3

