

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003087.D
 Acq On : 30 Jun 2018 18:56
 Operator : JC/MD
 Sample : J3738-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0042

Quant Time: Jul 02 02:44:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	290579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	410866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	386691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225590	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	190263	47.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.74%	
35) Dibromofluoromethane	5.51	113	155413	47.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.54%	
50) Toluene-d8	8.72	98	577435	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.14	95	212540	46.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	23	Below Cal	#	43
3) Chloromethane	1.32	50	3099	Below Cal		89
5) Bromomethane	1.66	94	1443	Below Cal		92
6) Chloroethane	1.92	64	713	Below Cal	#	43
10) Methyl Iodide	2.52	142	1209	6.55	ug/l	# 91
11) Tert butyl alcohol	3.07	59	628	0.78	ug/l	# 47
13) Acrolein	2.29	56	131	4.52	ug/l	# 14
16) Acetone	2.45	43	7531	4.53	ug/l	94
17) Carbon Disulfide	2.58	76	1790	0.23	ug/l	# 68
25) 2-Butanone	4.72	43	1629	0.66	ug/l	100
36) 1,1-Dichloropropene	5.67	75	19446	4.32	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25801	5.22	ug/l	# 15
39) Methylcyclohexane	7.46	83	2297	0.44	ug/l	# 75
43) Isopropyl Acetate	6.35	43	10823	1.33	ug/l	# 63
48) Methyl methacrylate	7.85	41	2681	0.64	ug/l	92
49) 1,4-Dioxane	7.91	88	23	0.28	ug/l	# 22
51) 4-Methyl-2-Pentanone	8.68	43	1988	0.39	ug/l	# 39
55) 1,1,2-Trichloroethane	9.16	97	9180	2.66	ug/l	# 18
56) Ethyl methacrylate	9.16	69	2437	0.48	ug/l	# 14
67) Ethyl Benzene	10.26	91	112537	6.94	ug/l	98
68) m/p-Xylenes	10.37	106	15881	2.54	ug/l	96
73) Isopropylbenzene	11.02	105	110806	7.30	ug/l	100
74) N-amyl acetate	6.35	43	10823	1.46	ug/l	# 59
75) 1,1,2,2-Tetrachloroethane	11.28	83	1802	0.39	ug/l	# 39
76) 1,2,3-Trichloropropane	11.14	75	107586	26.33	ug/l	# 33
78) n-propylbenzene	11.37	91	124277	7.19	ug/l	100
79) 2-Chlorotoluene	11.46	91	4358	0.42	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.46	105	33022	2.58	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.14	75	107586	74.62	ug/l	# 7
82) 4-Chlorotoluene	11.46	91	4358	0.35	ug/l	# 45
83) tert-Butylbenzene	11.77	119	2964	0.24	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	24699	1.86	ug/l	95
85) sec-Butylbenzene	11.95	105	11354	0.74	ug/l	87
86) p-Isopropyltoluene	12.07	119	8029	0.58	ug/l	86

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QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

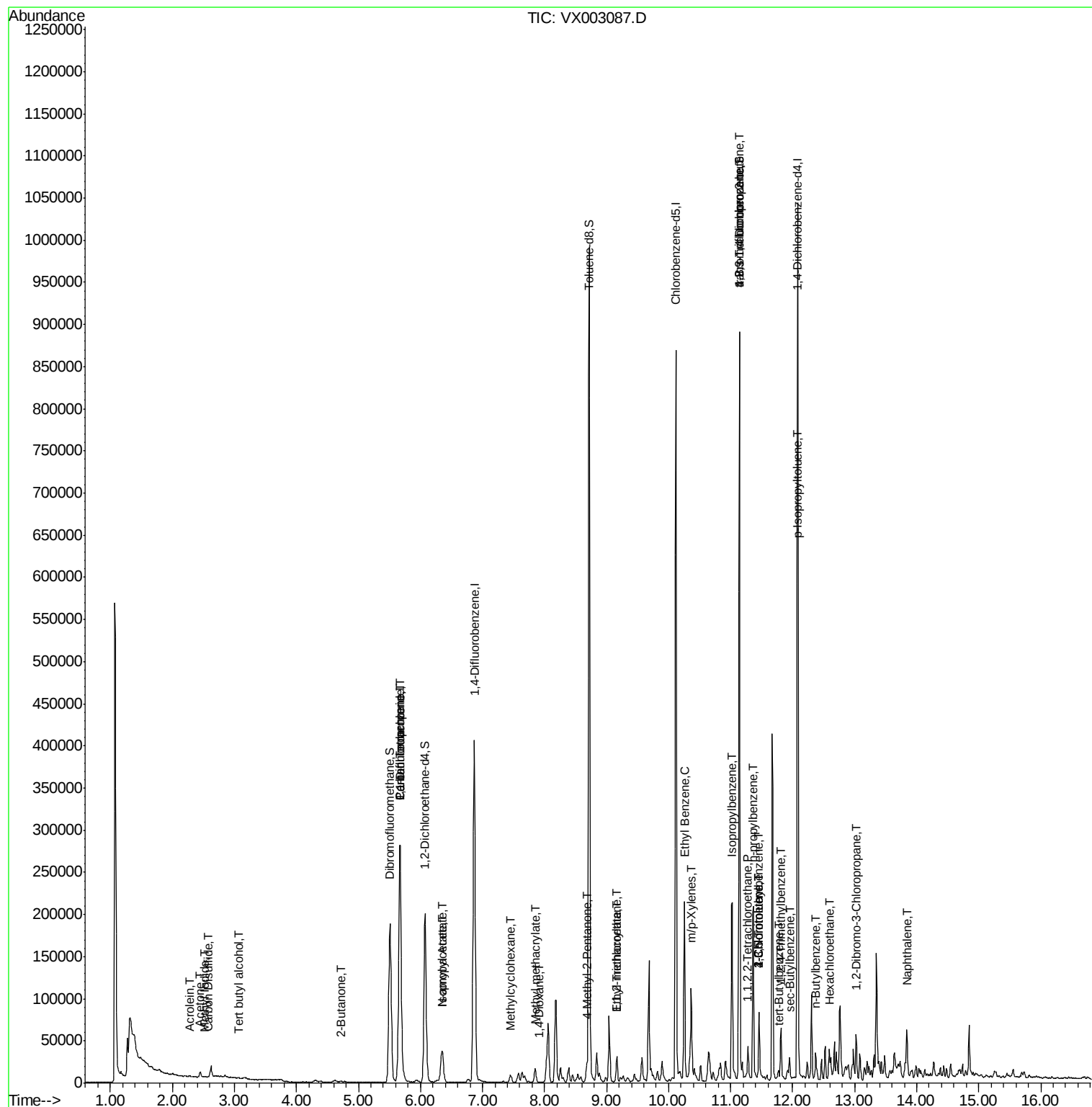
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.38	91	2705	0.23	ug/l #	45
90) Hexachloroethane	12.59	117	1723	0.84	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	331	0.31	ug/l #	1
95) Naphthalene	13.84	128	35130	2.27	ug/l #	93

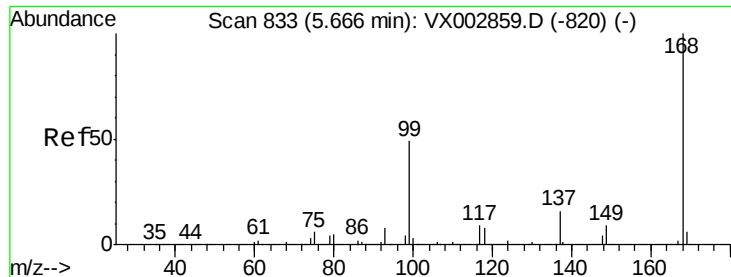
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

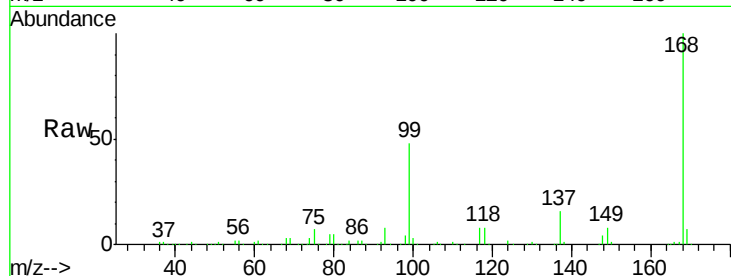
S22-0042

Tot Ion:168 Resp: 290579

Ion Ratio Lower Upper

168 100

99 47.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

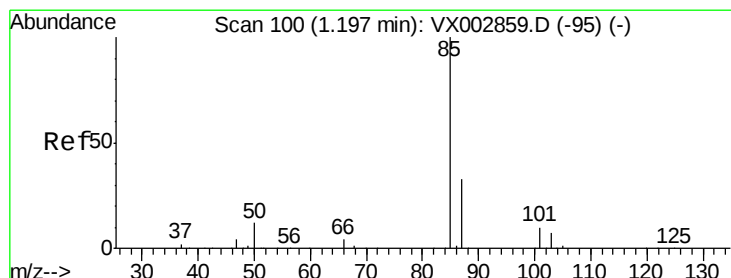
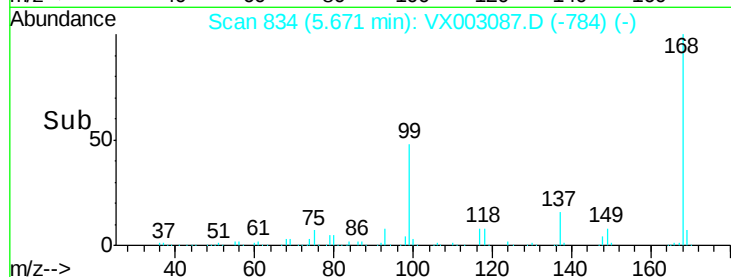
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003087.D

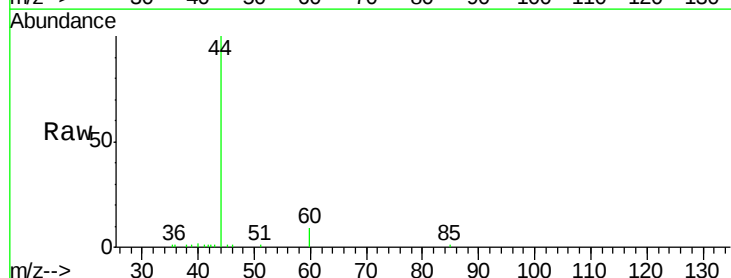
Acq: 30 Jun 2018 18:56

Tgt Ion: 85 Resp: 23

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

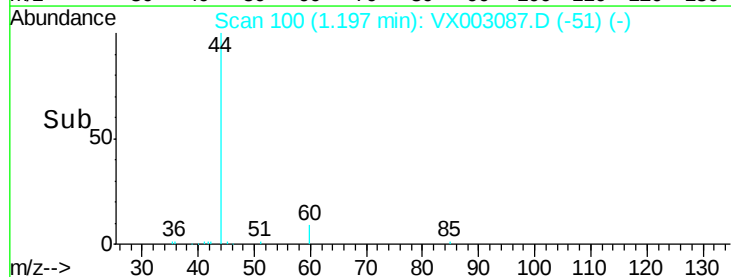
60

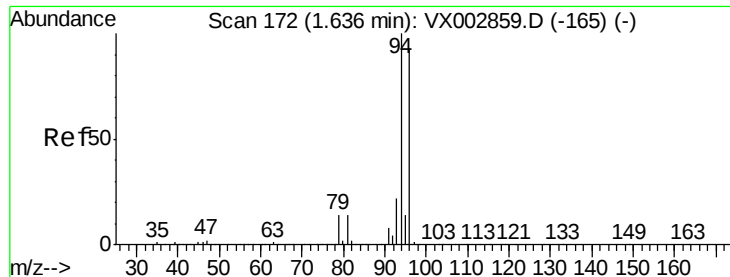
40

20

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

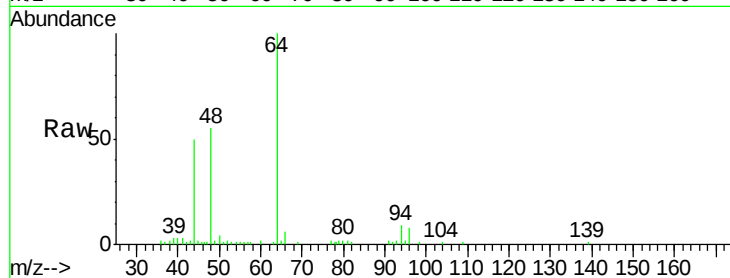
S22-0042

Tot Ion: 94 Resp: 1443

Ion Ratio Lower Upper

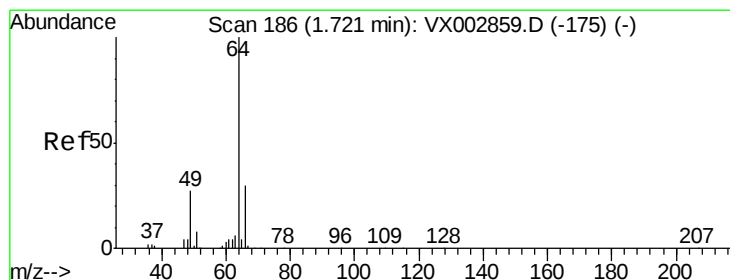
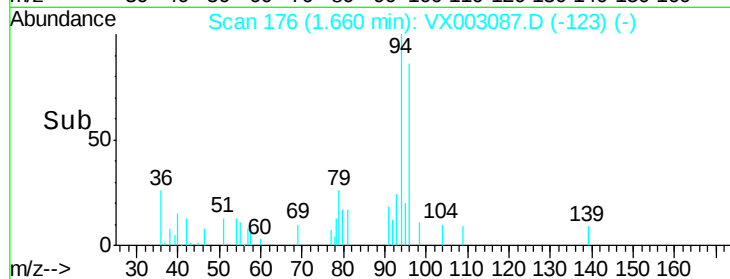
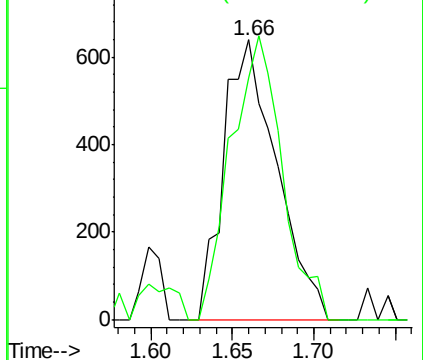
94 100

96 86.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.92 min Scan# 219

Delta R.T. 0.20 min

Lab File: VX003087.D

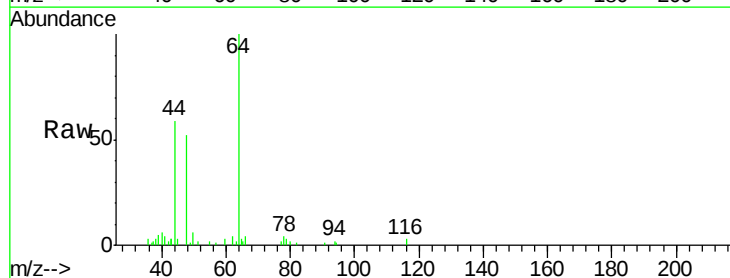
Acq: 30 Jun 2018 18:56

Tgt Ion: 64 Resp: 713

Ion Ratio Lower Upper

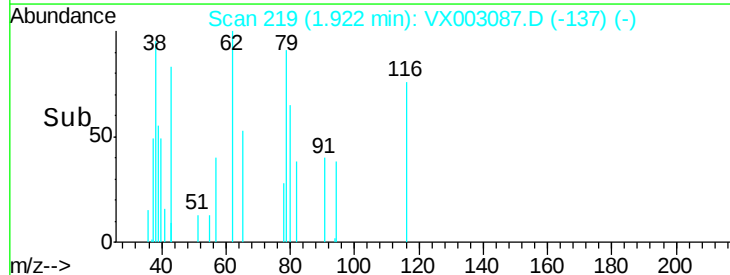
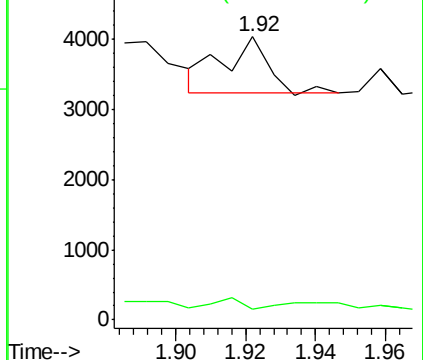
64 100

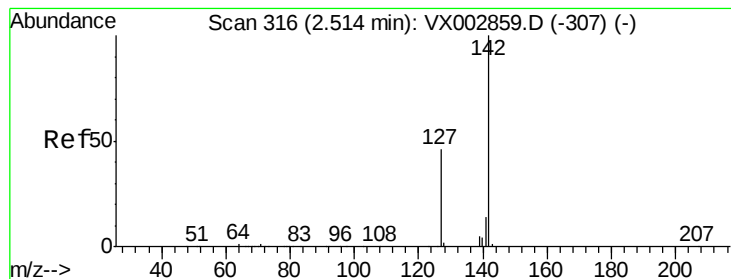
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 6.55 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampled :

S22-0042

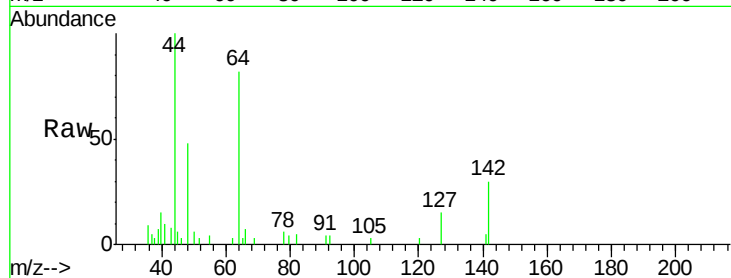
Tot Ion:142 Resp: 1209

Ion Ratio Lower Upper

142 100

127 40.0 36.6 55.0

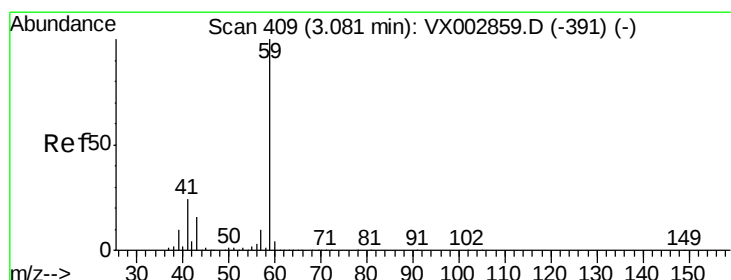
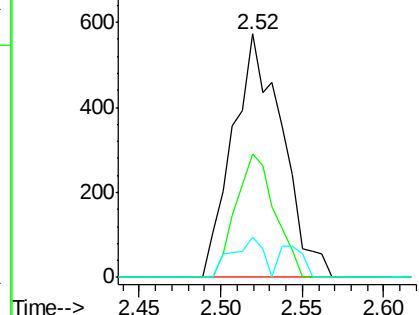
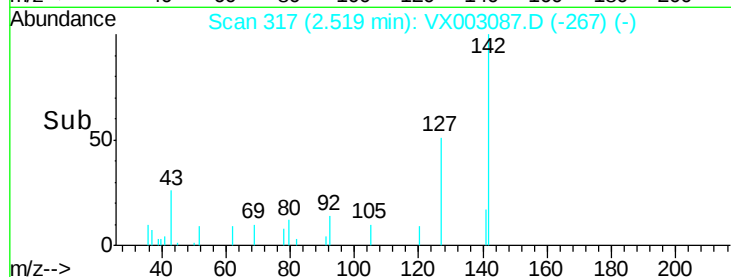
141 10.3 11.3 16.9#



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: 0.78 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX003087.D

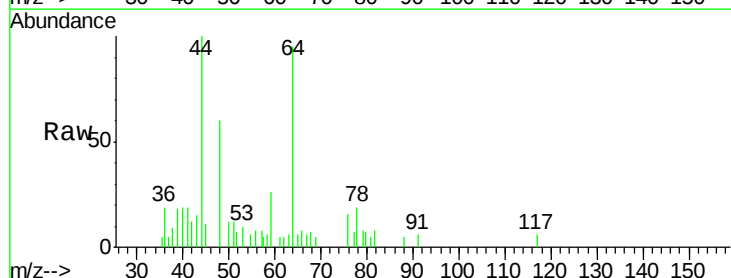
Acq: 30 Jun 2018 18:56

Tgt Ion: 59 Resp: 628

Ion Ratio Lower Upper

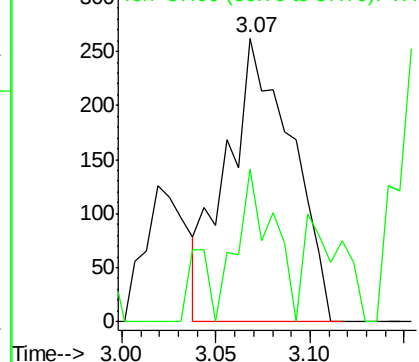
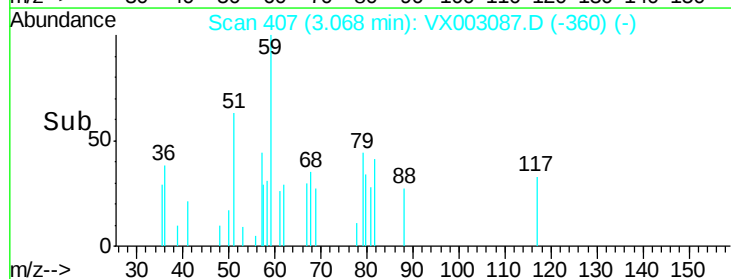
59 100

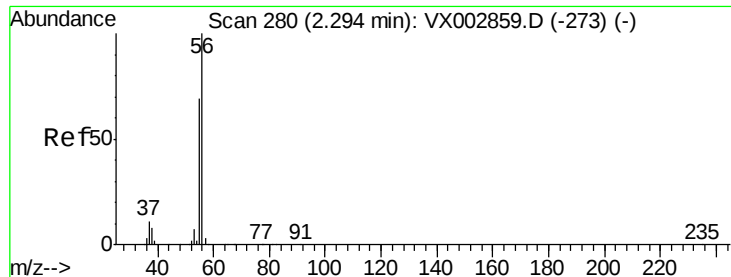
57 30.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.52 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampled :

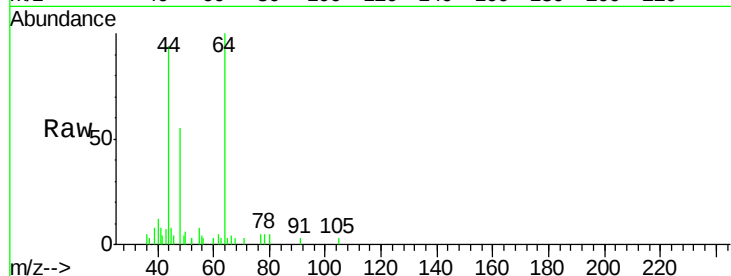
S22-0042

Tot Ion: 56 Resp: 131

Ion Ratio Lower Upper

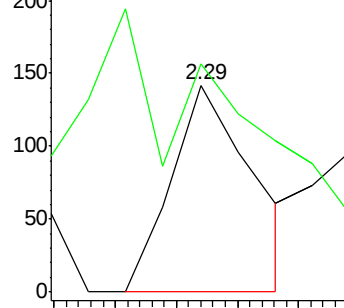
56 100

55 0.0 57.0 85.4#

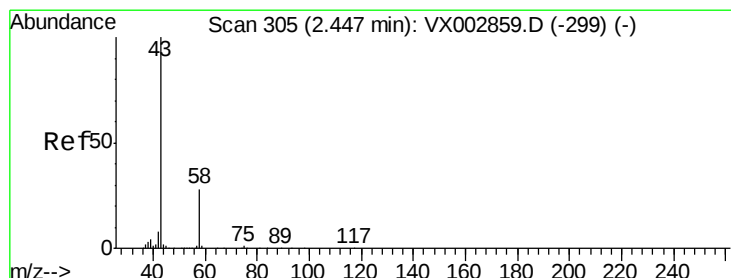
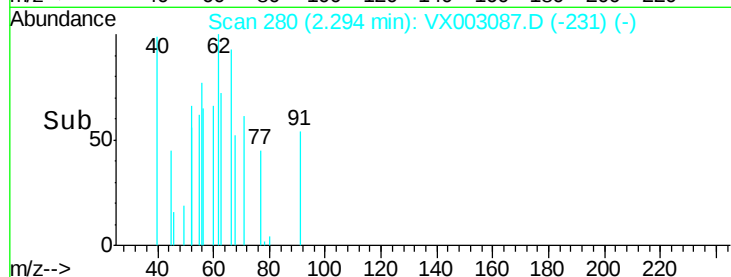


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 4.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003087.D

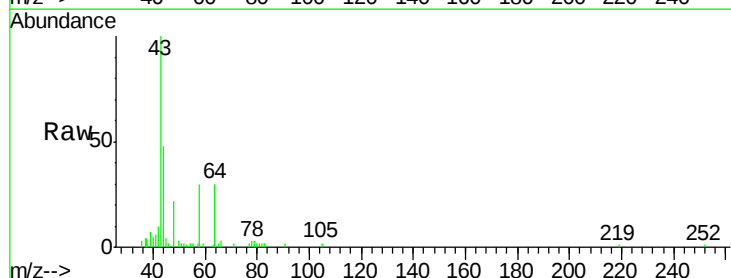
Acq: 30 Jun 2018 18:56

Tgt Ion: 43 Resp: 7531

Ion Ratio Lower Upper

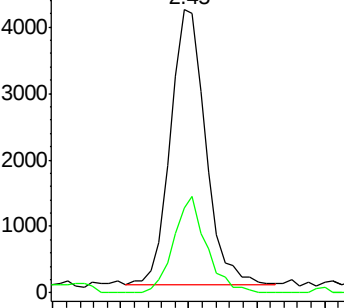
43 100

58 30.7 22.1 33.1

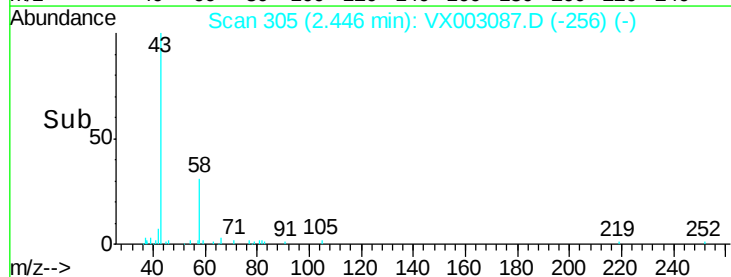


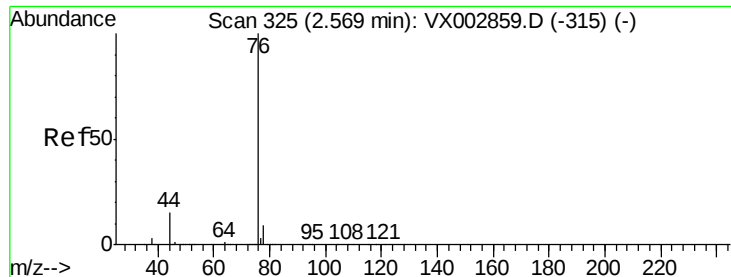
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

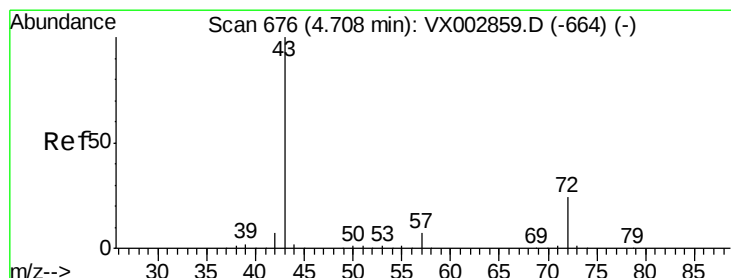
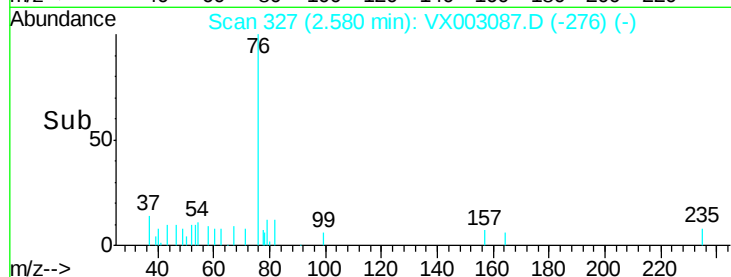
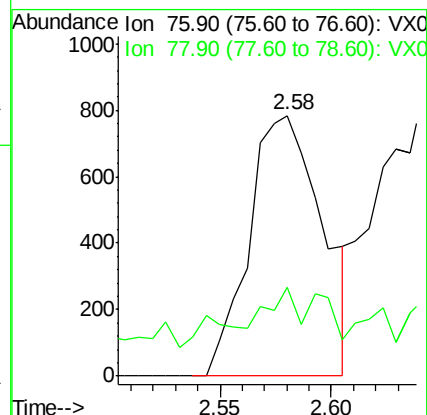
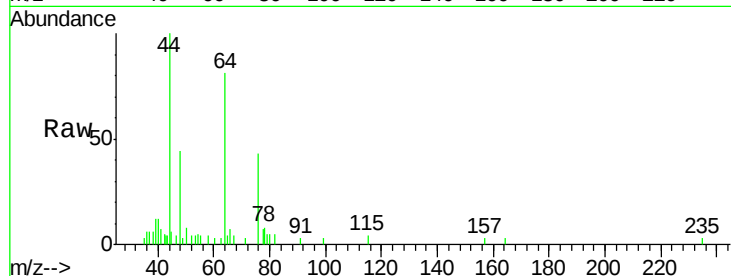
S22-0042

Tot Ion: 76 Resp: 1790

Ion Ratio Lower Upper

76 100

78 20.1 6.9 10.3#



#25

2-Butanone

Concen: 0.66 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003087.D

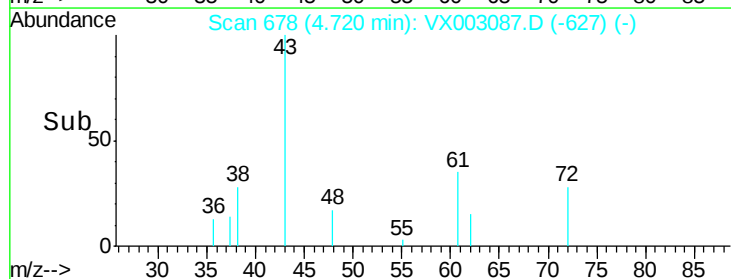
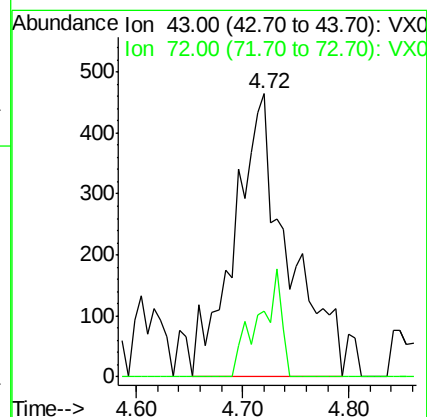
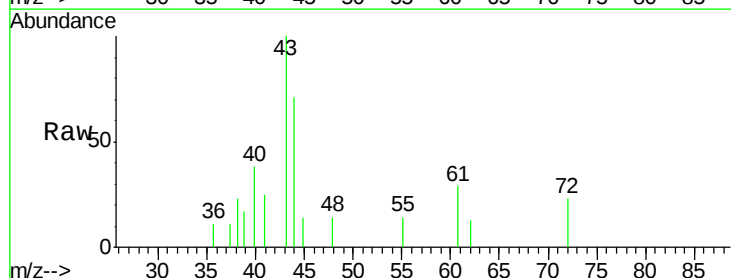
Acq: 30 Jun 2018 18:56

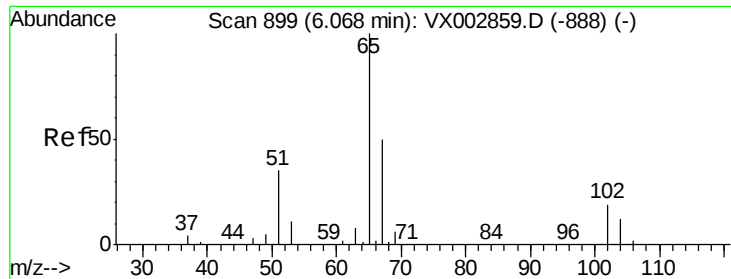
Tgt Ion: 43 Resp: 1629

Ion Ratio Lower Upper

43 100

72 23.3 18.5 27.7

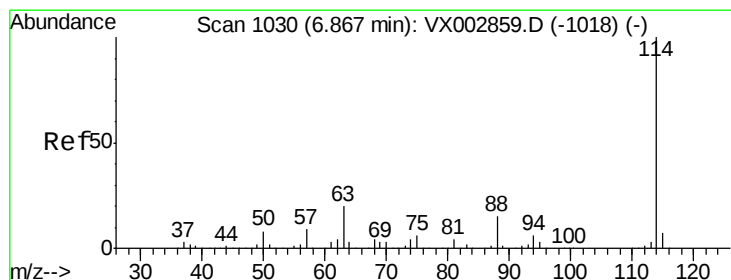
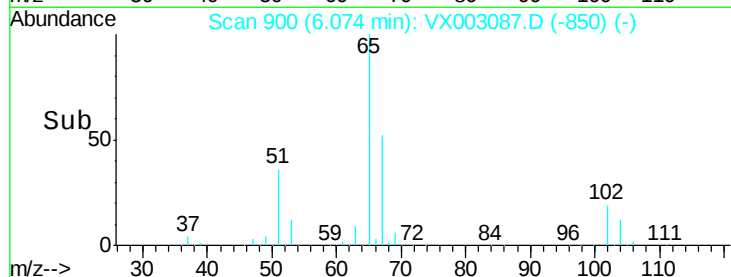
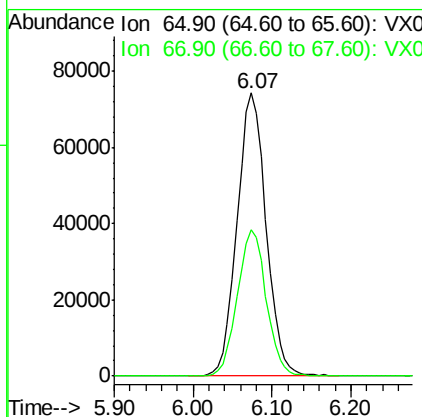
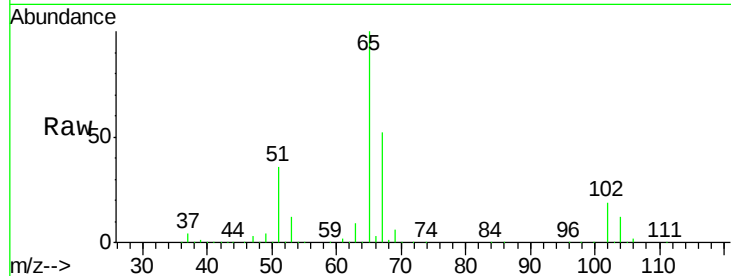




#33
 1,2-Dichloroethane-d4
 Concen: 47.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

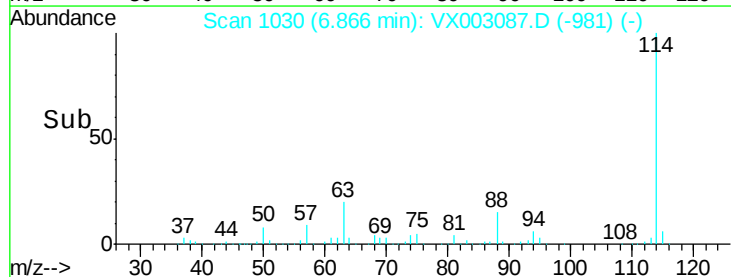
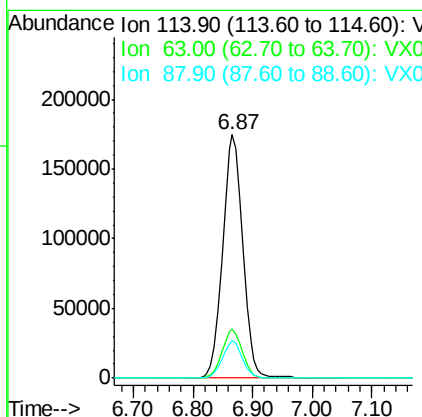
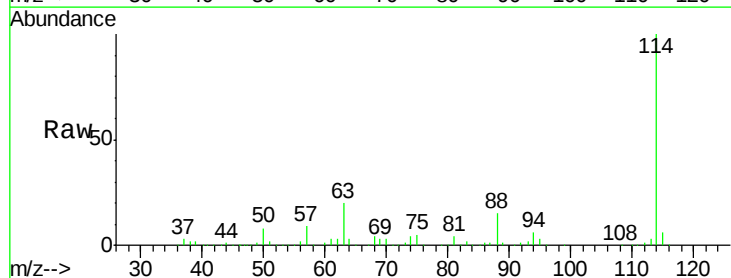
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0042

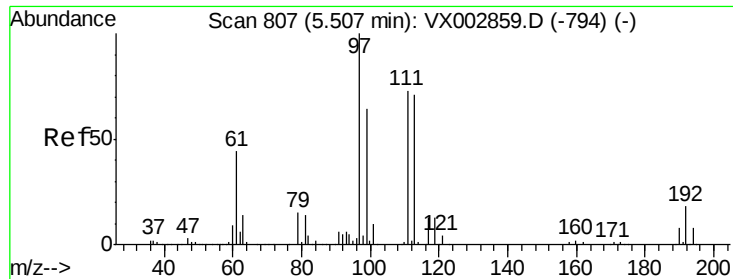
Tot Ion: 65 Resp: 190263
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

Tgt Ion: 114 Resp: 410866
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.77 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

S22-0042

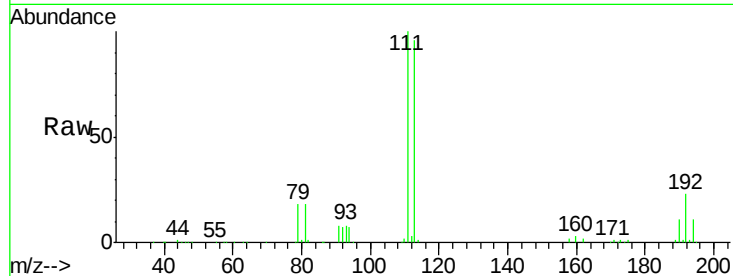
Tot Ion:113 Resp: 155413

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

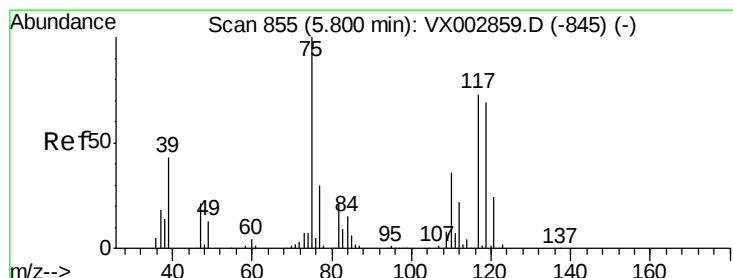
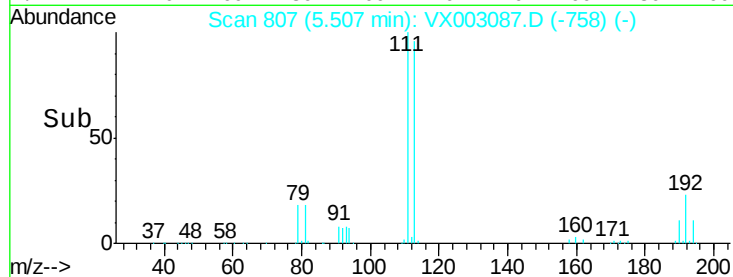
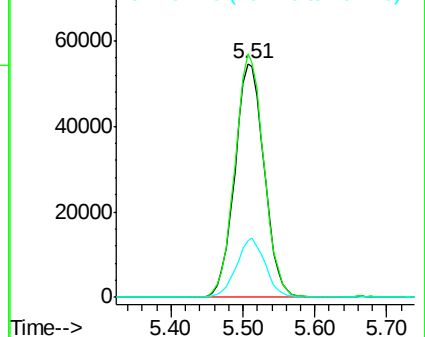
192 24.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.32 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

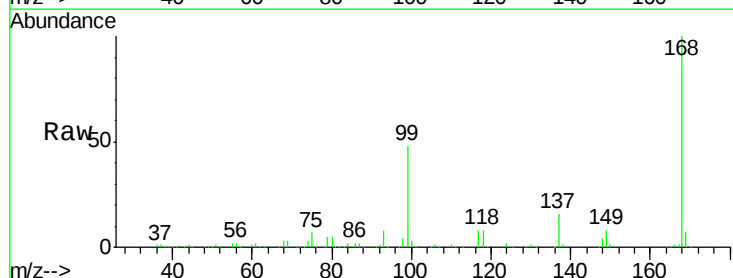
Tgt Ion: 75 Resp: 19446

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

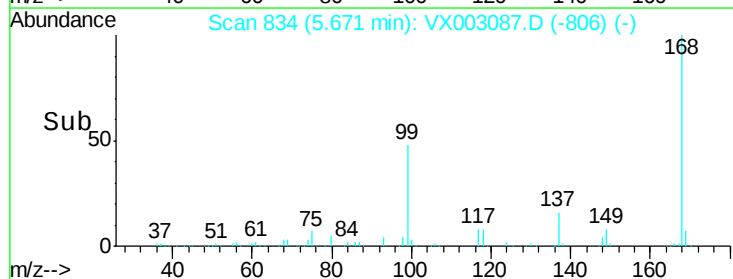
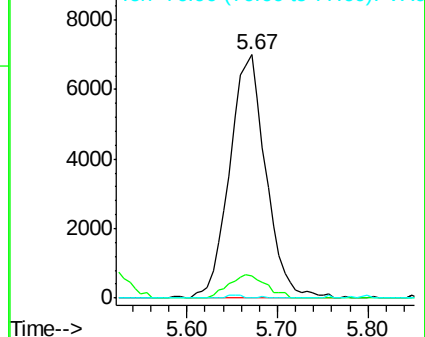
77 0.1 24.3 36.5#

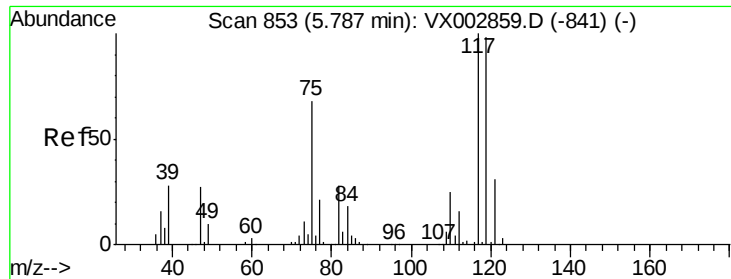


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

S22-0042

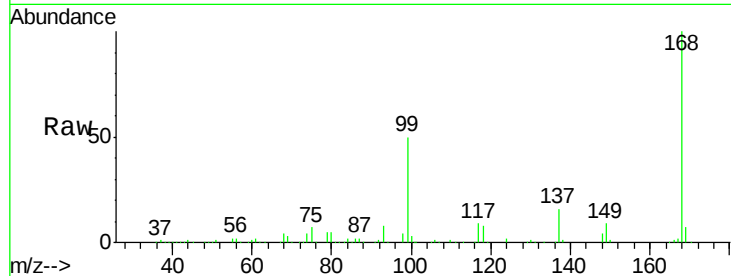
Tot Ion:117 Resp: 25801

Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.0#

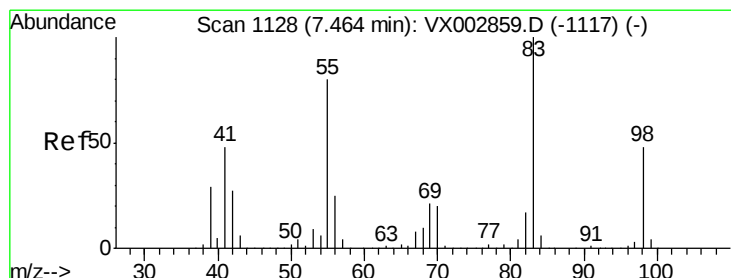
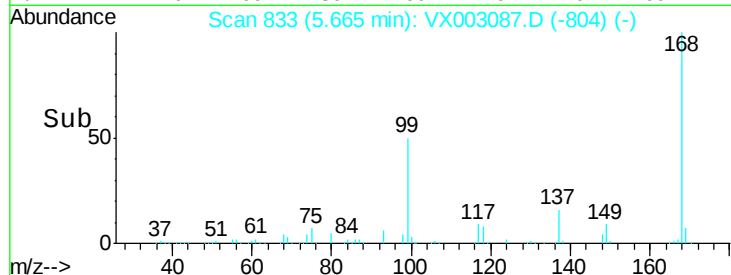
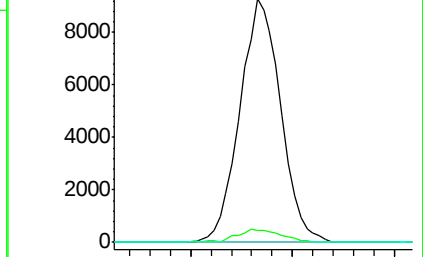
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.44 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

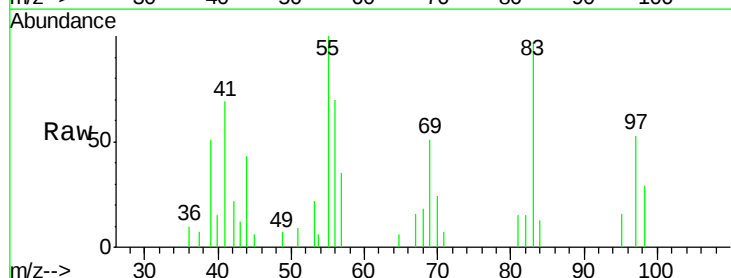
Tgt Ion: 83 Resp: 2297

Ion Ratio Lower Upper

83 100

55 103.0 65.4 98.0#

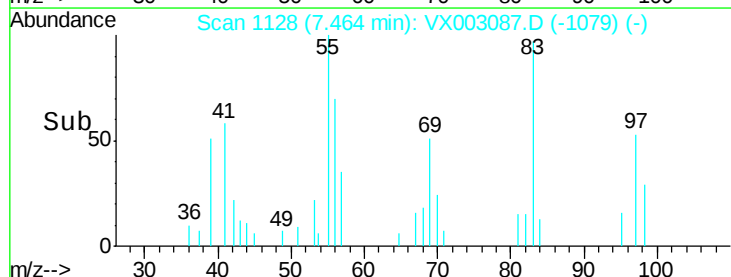
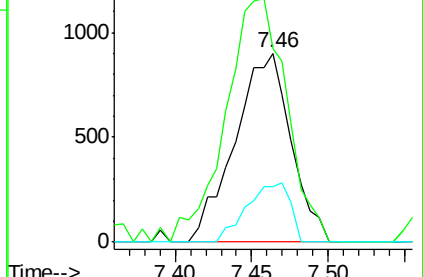
98 29.6 37.4 56.0#

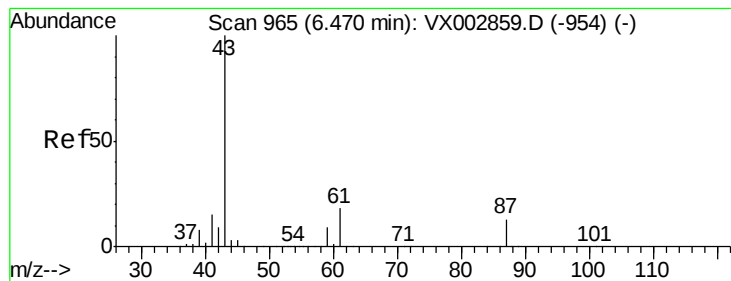


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



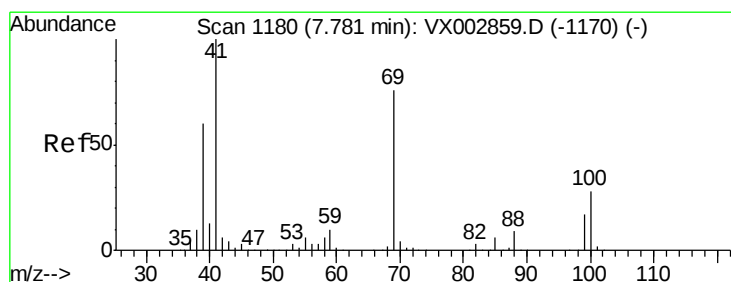
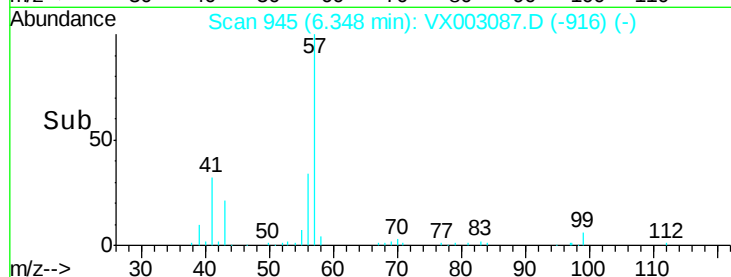
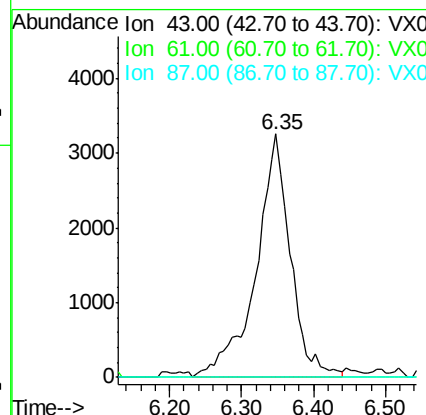
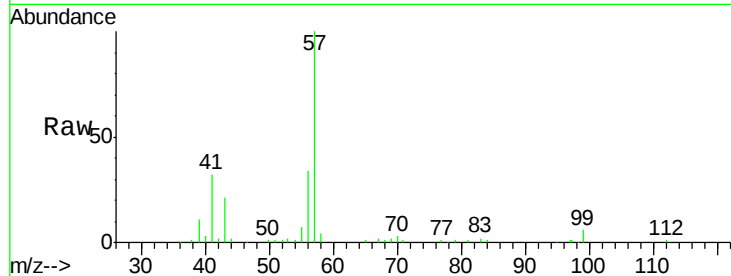


#43

Isopropyl Acetate
 Concen: 1.33 ug/l
 RT: 6.35 min Scan# 945
 Delta R.T. -0.12 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0042

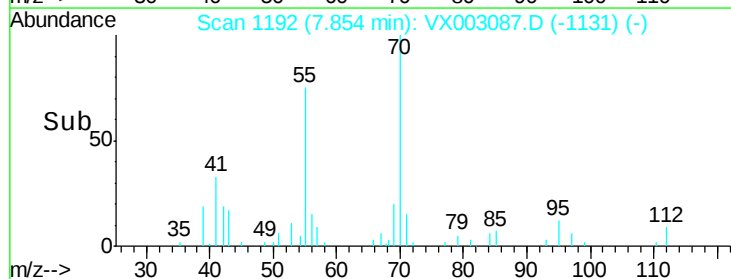
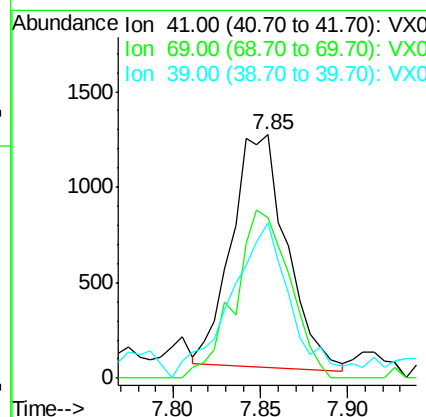
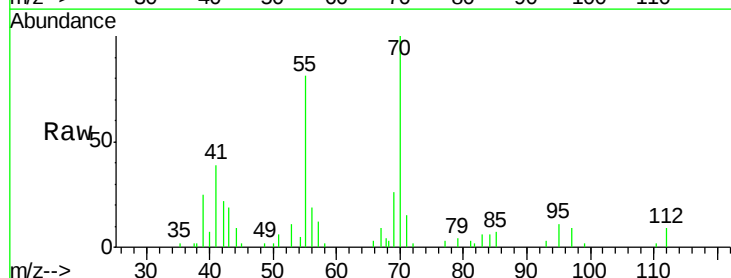
Tot Ion	43	Resp	10823
Ion Ratio	Lower	Upper	
43	100		
61	0.0	14.4	21.6#
87	0.0	9.5	14.3#

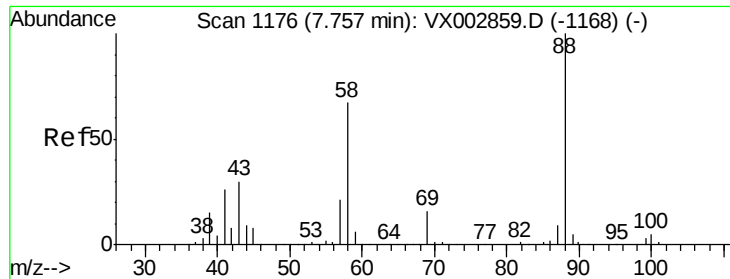


#48

Methyl methacrylate
 Concen: 0.64 ug/l
 RT: 7.85 min Scan# 1192
 Delta R.T. 0.07 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

Tgt Ion	41	Resp	2681
Ion Ratio	Lower	Upper	
41	100		
69	71.8	59.1	88.7
39	71.6	48.9	73.3

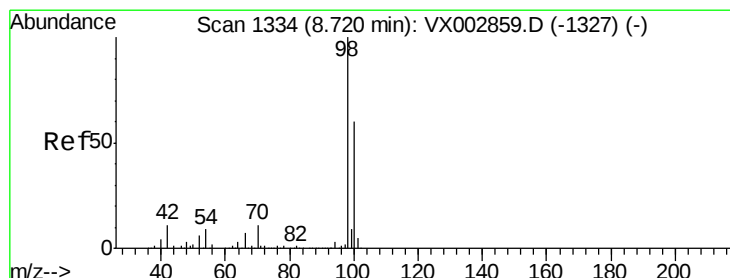
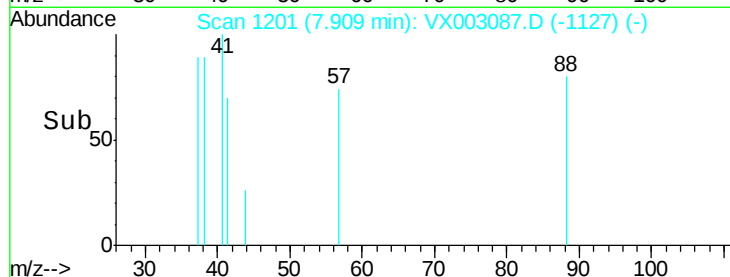
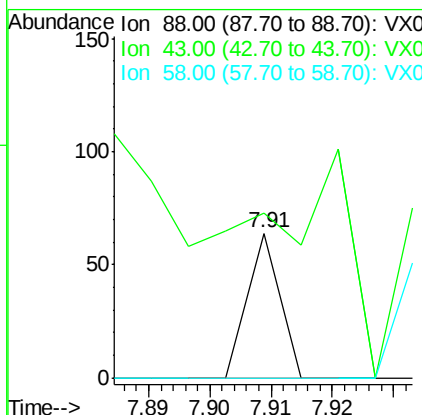
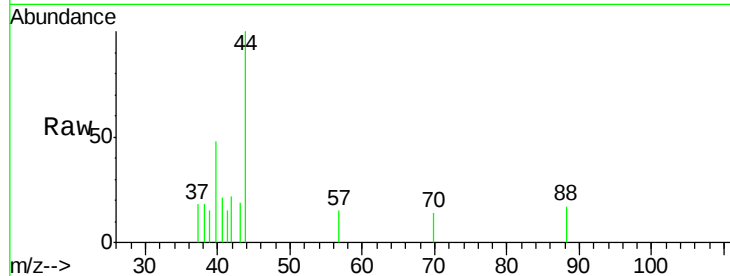




#49
 1,4-Dioxane
 Concen: 0.28 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. 0.15 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

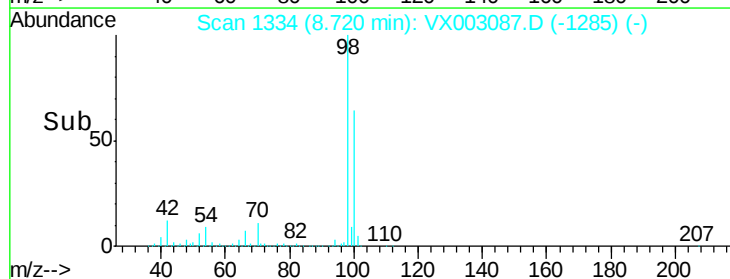
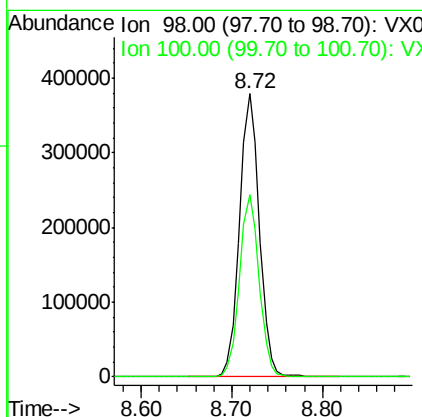
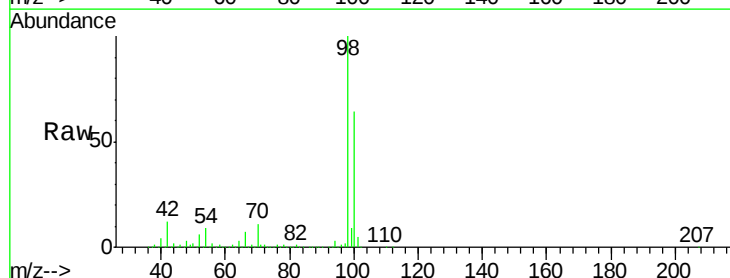
Instrument :
 MSVOA_X
 ClientSampled :
 S22-0042

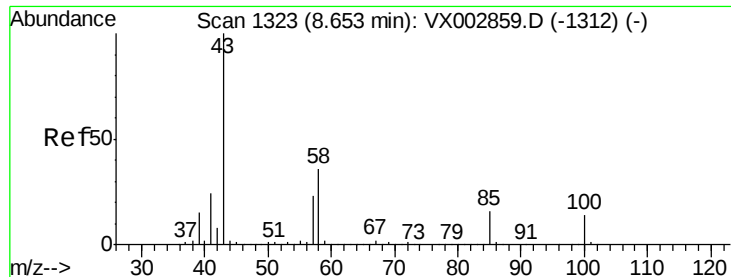
Tot Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.8 44.6#
 58 0.0 57.1 85.7#



#50
 Toluene-d8
 Concen: 48.60 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

Tgt Ion: 98 Resp: 577435
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 8.68 min Scan# 1327

Delta R.T. 0.02 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

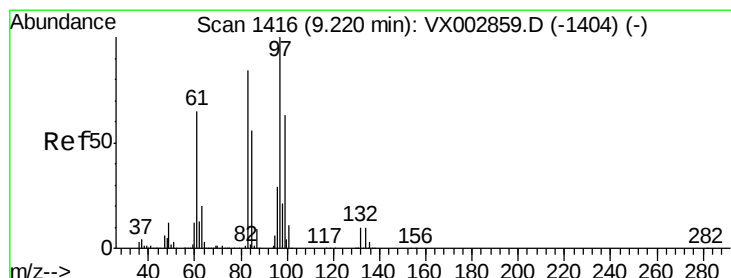
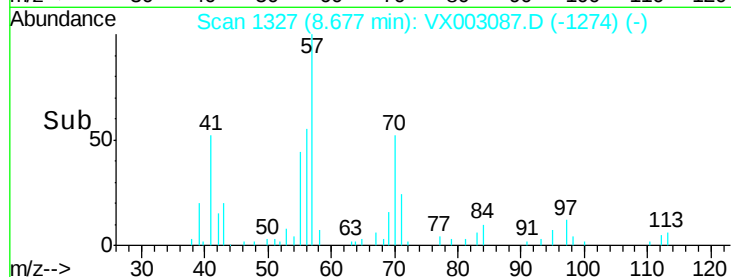
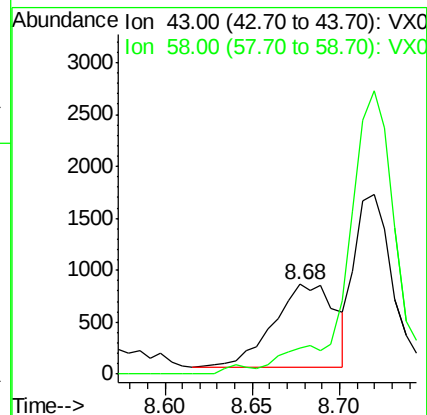
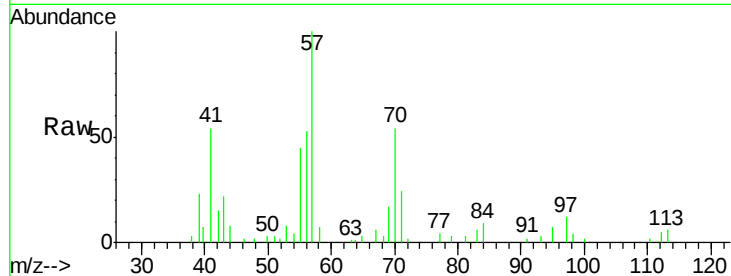
S22-0042

Tot Ion: 43 Resp: 1988

Ion Ratio Lower Upper

43 100

58 0.0 28.6 42.8#



#55

1,1,2-Trichloroethane

Concen: 2.66 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.06 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Tgt Ion: 97 Resp: 9180

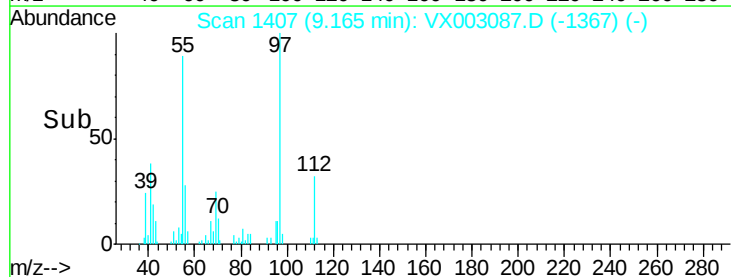
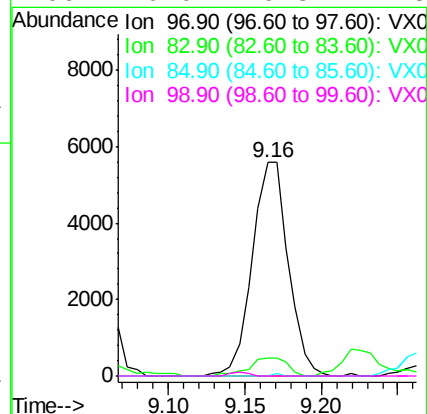
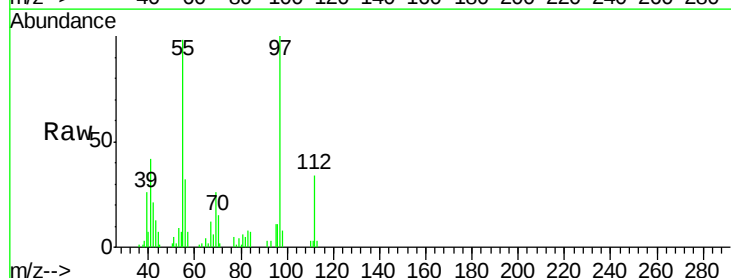
Ion Ratio Lower Upper

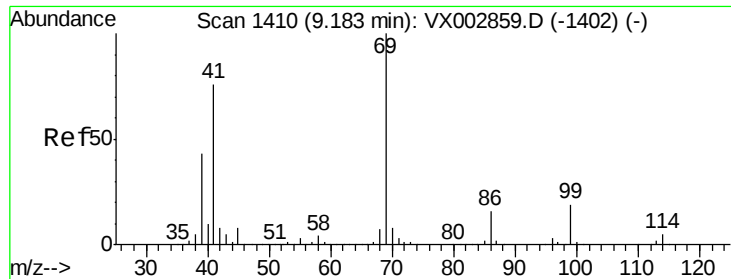
97 100

83 8.2 70.2 105.2#

85 0.0 44.9 67.3#

99 0.0 49.8 74.8#

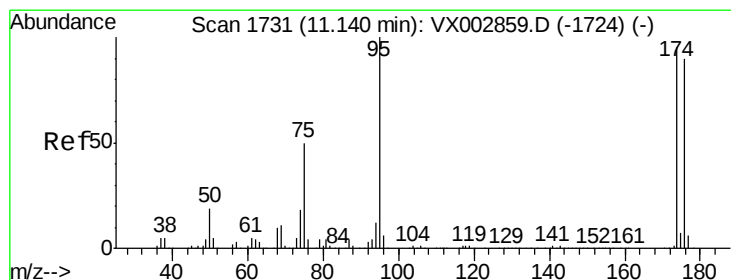
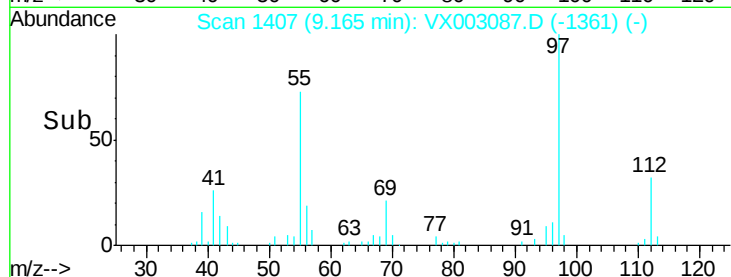
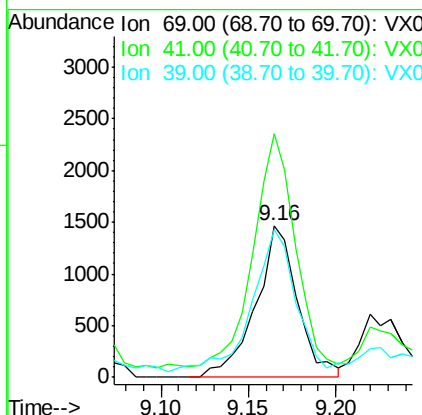
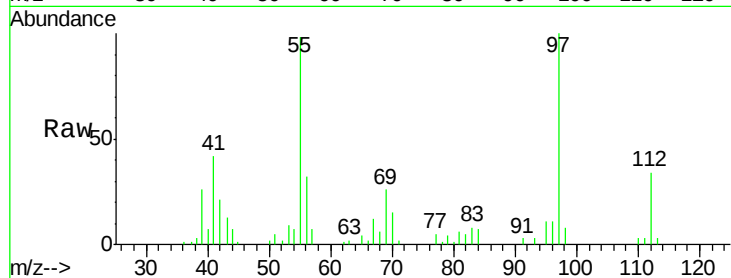




#56
Ethyl methacrylate
Concen: 0.48 ug/l
RT: 9.16 min Scan# 1407
Delta R.T. -0.02 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

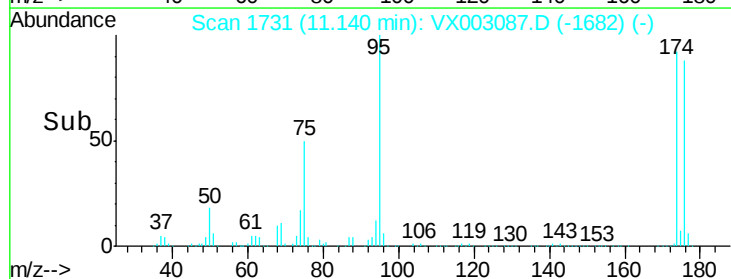
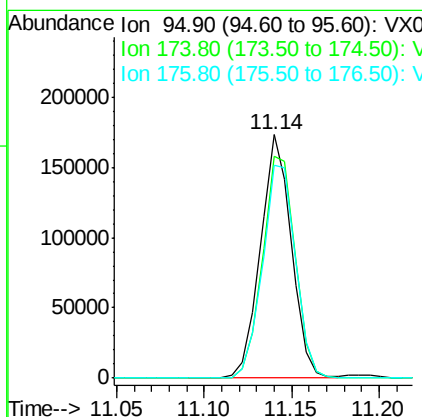
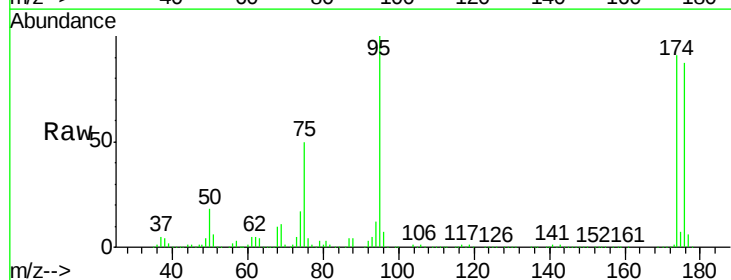
Instrument :
MSVOA_X
ClientSampleId :
S22-0042

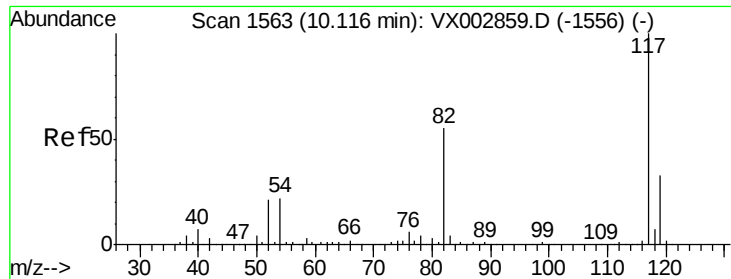
Tot Ion: 69 Resp: 2437
Ion Ratio Lower Upper
69 100
41 151.3 60.3 90.5#
39 97.2 35.8 53.8#



#62
4-Bromofluorobenzene
Concen: 46.38 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

Tgt Ion: 95 Resp: 212540
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 93.5 0.0 181.0

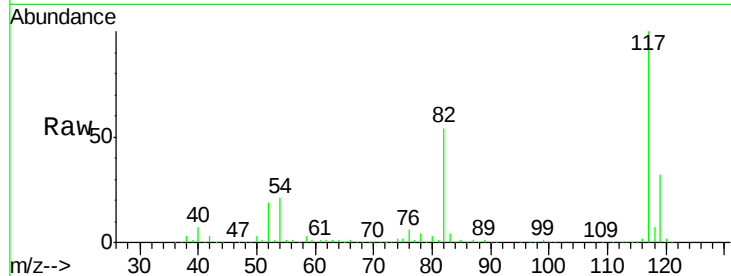




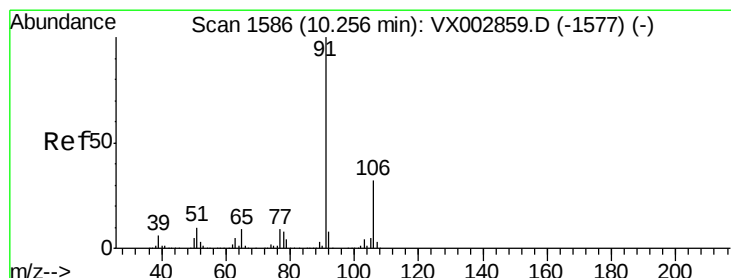
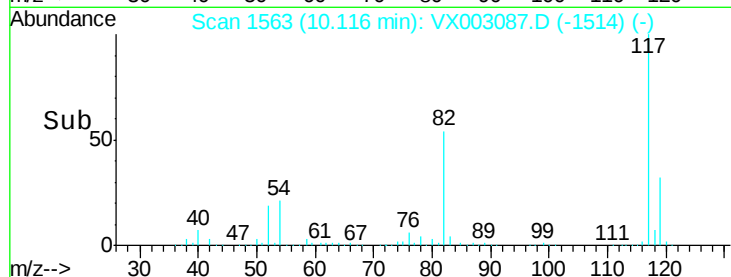
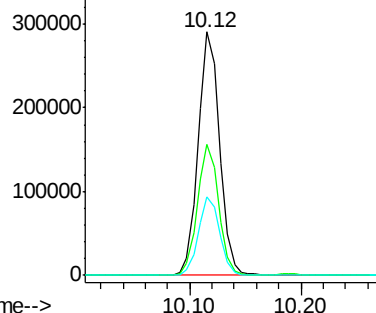
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

Instrument :
MSVOA_X
ClientSampled :
S22-0042

Tot Ion:117 Resp: 386691
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 32.1 25.8 38.6

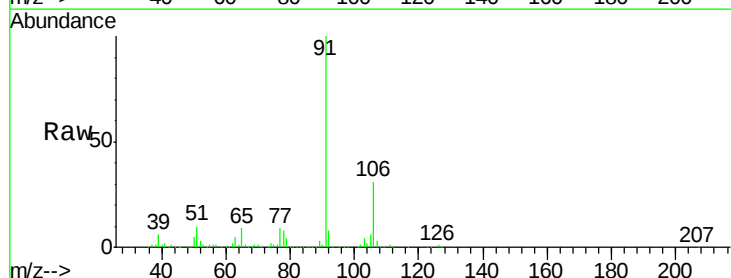


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

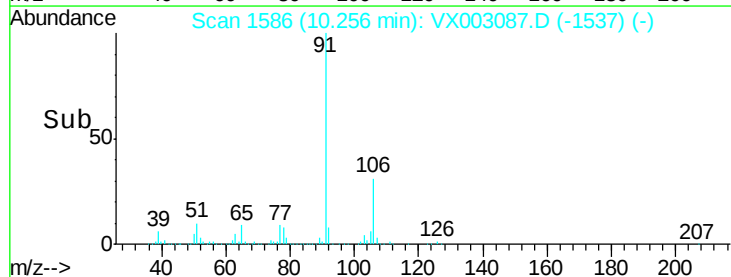
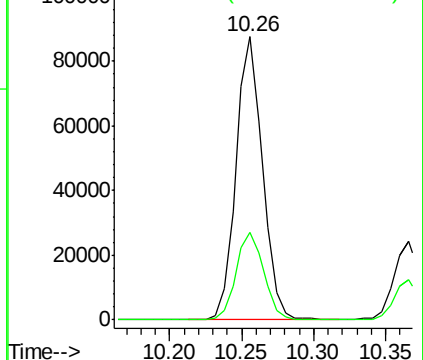


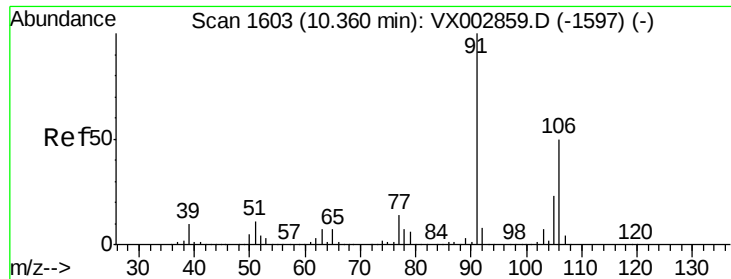
#67
Ethyl Benzene
Concen: 6.94 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

Tgt Ion: 91 Resp: 112537
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

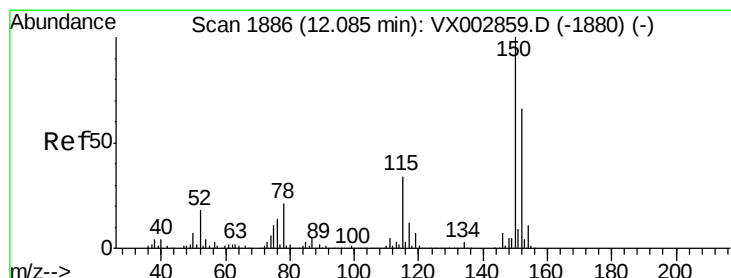
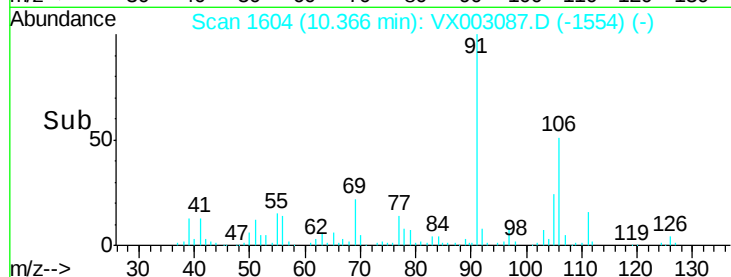
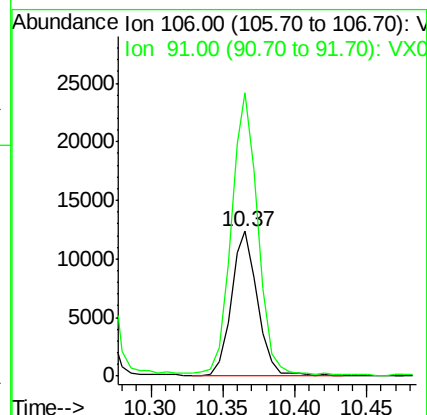
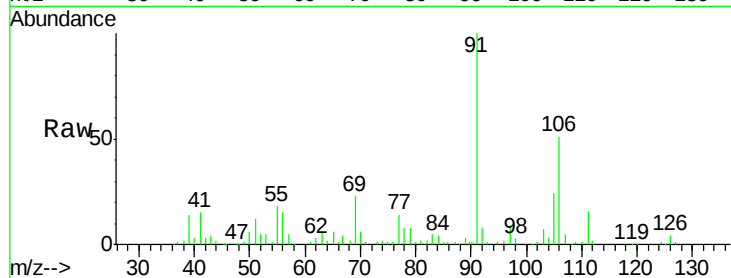




#68
m/p-Xvlenes
Concen: 2.54 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

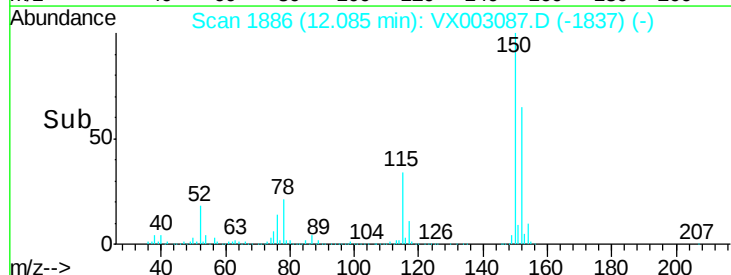
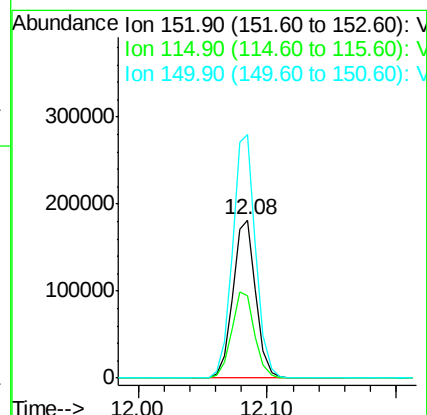
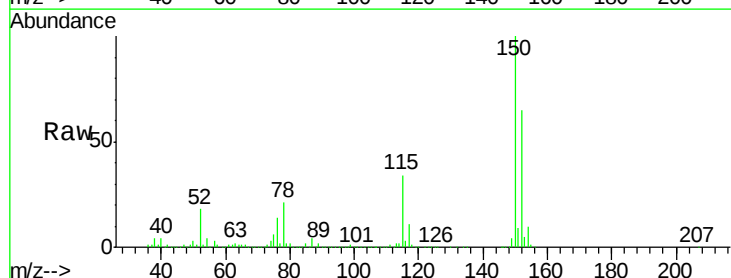
Instrument :
MSVOA_X
ClientSampled :
S22-0042

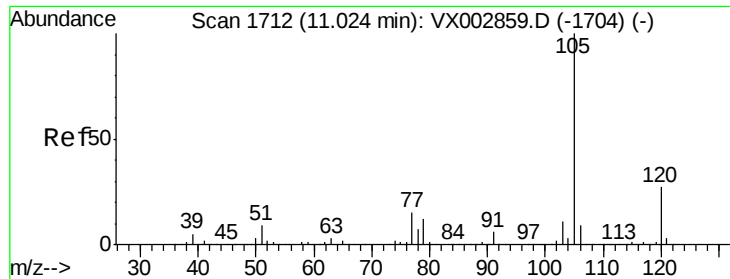
Tot Ion:106 Resp: 15881
Ion Ratio Lower Upper
106 100
91 198.3 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

Tgt Ion:152 Resp: 225590
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 155.7 0.0 347.2





#73

Isopropylbenzene

Concen: 7.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

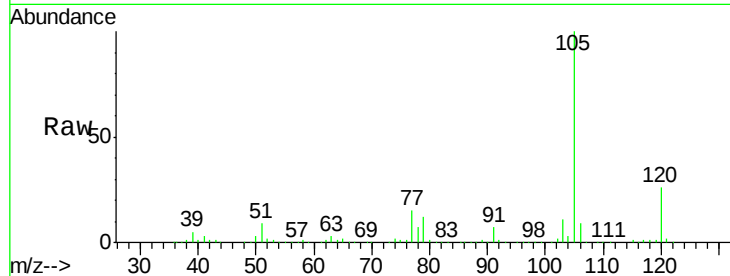
S22-0042

Tot Ion:105 Resp: 110806

Ion Ratio Lower Upper

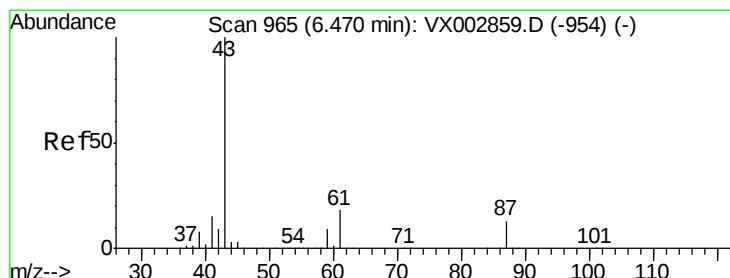
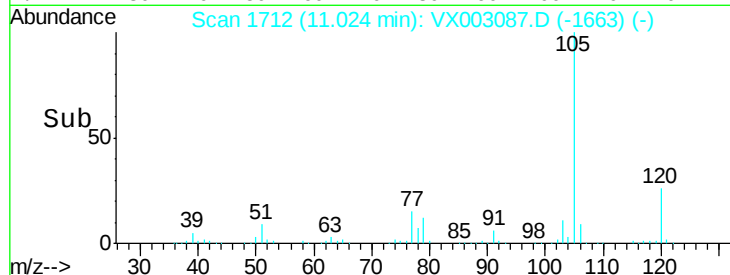
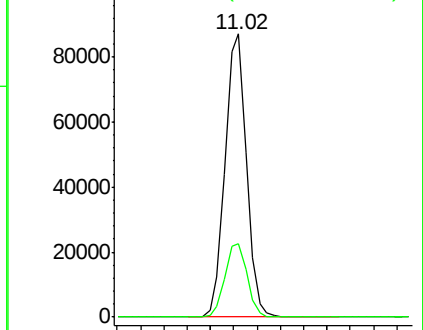
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.46 ug/l

RT: 6.35 min Scan# 945

Delta R.T. -0.12 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Tgt Ion: 43 Resp: 10823

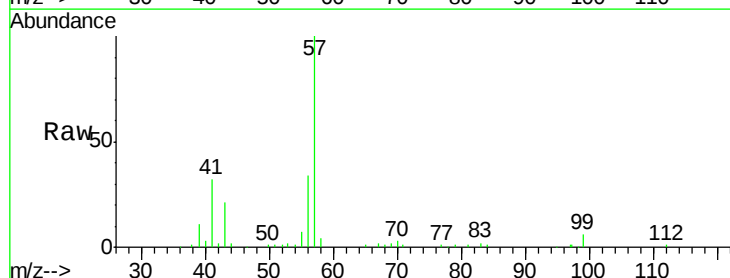
Ion Ratio Lower Upper

43 100

70 12.2 0.0 0.0#

55 38.2 0.0 0.0#

61 0.0 14.4 21.6#

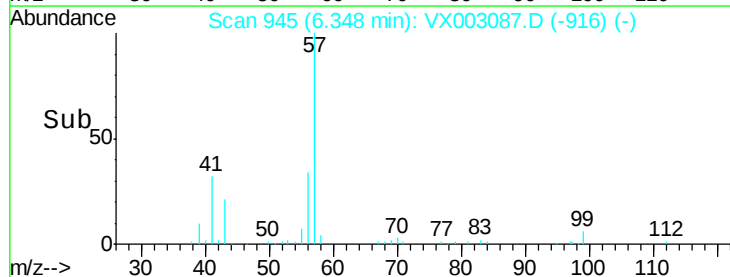
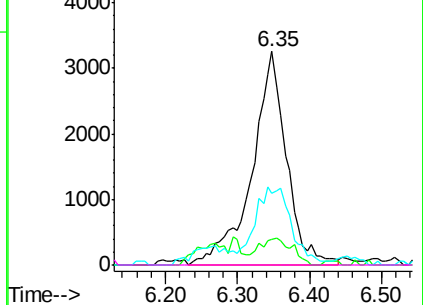


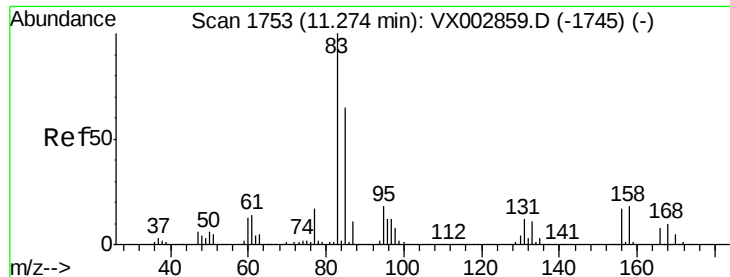
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.39 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampled :

S22-0042

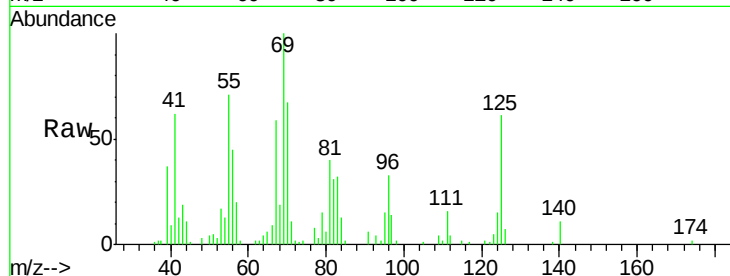
Tot Ion: 83 Resp: 1802

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

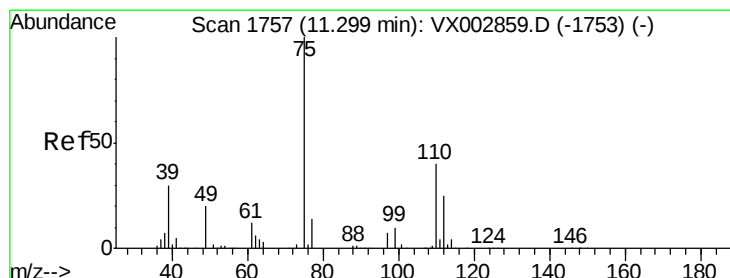
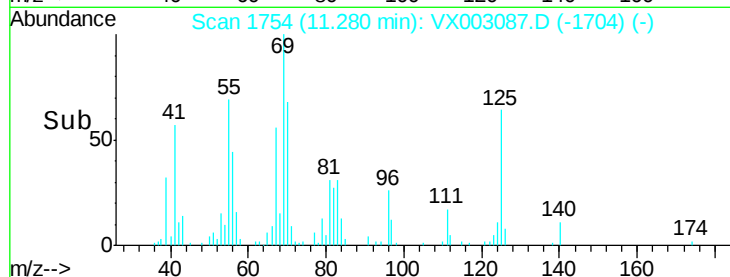
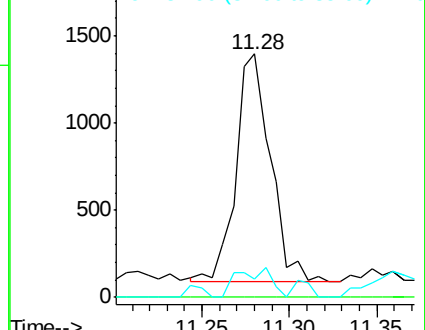
85 12.7 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003087.D

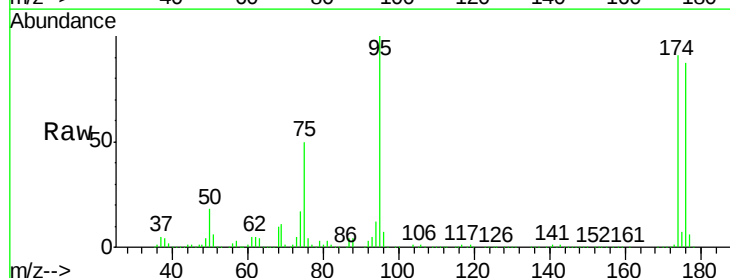
Acq: 30 Jun 2018 18:56

Tgt Ion: 75 Resp: 107586

Ion Ratio Lower Upper

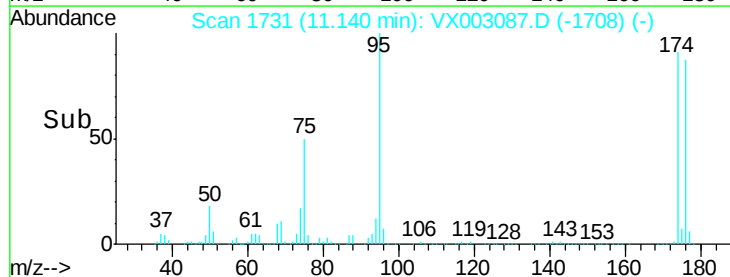
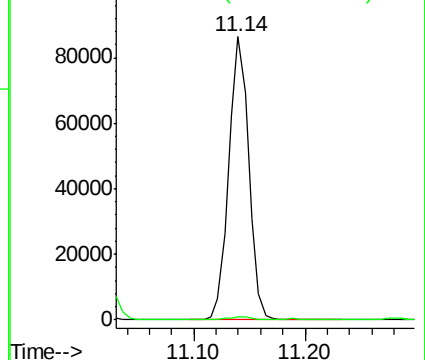
75 100

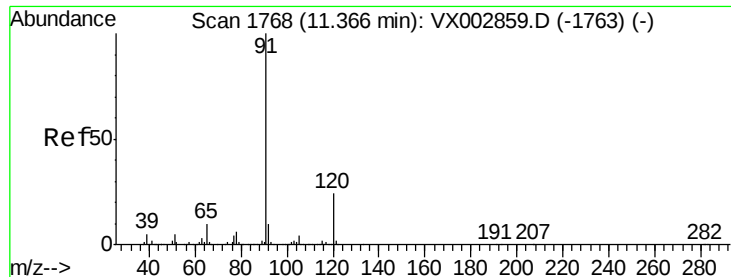
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 7.19 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampled :

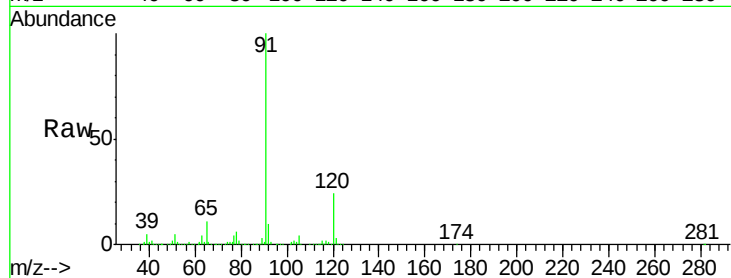
S22-0042

Tot Ion: 91 Resp: 124277

Ion Ratio Lower Upper

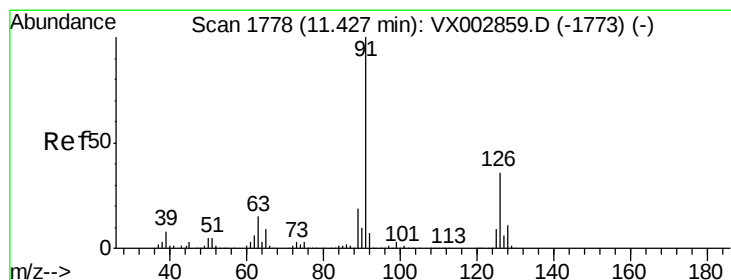
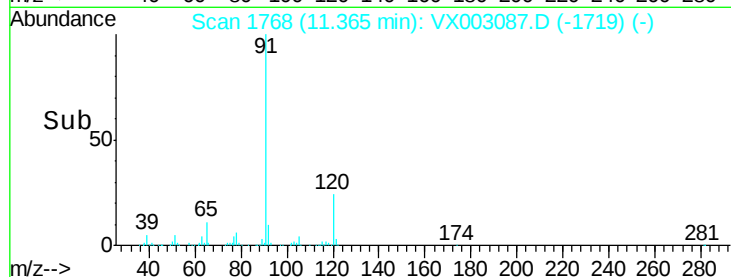
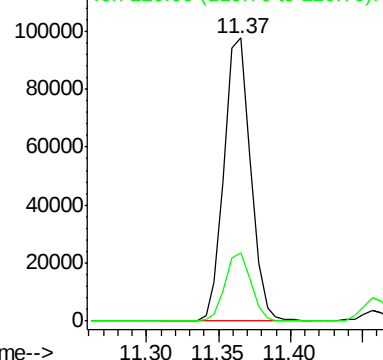
91 100

120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.42 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. 0.03 min

Lab File: VX003087.D

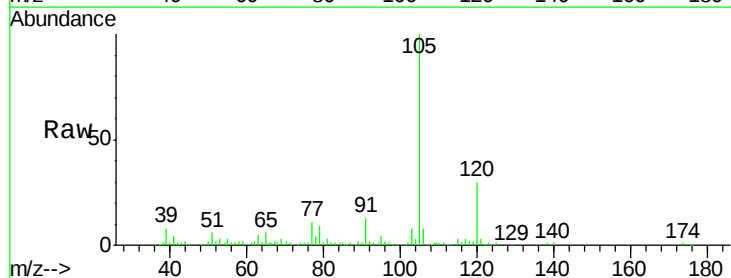
Acq: 30 Jun 2018 18:56

Tgt Ion: 91 Resp: 4358

Ion Ratio Lower Upper

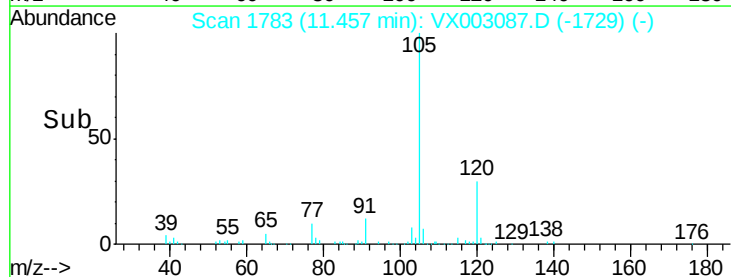
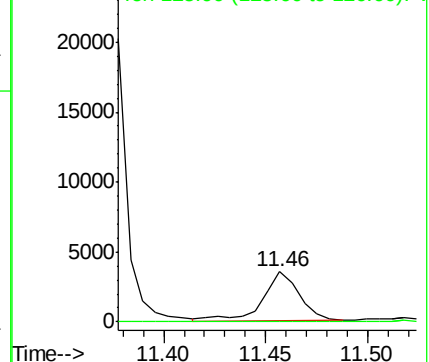
91 100

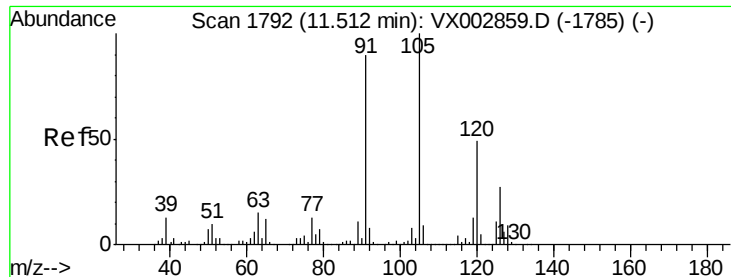
126 0.4 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

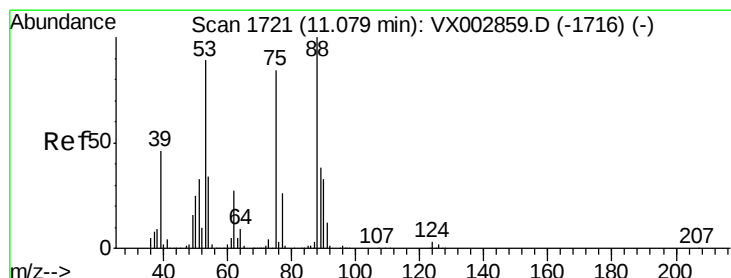
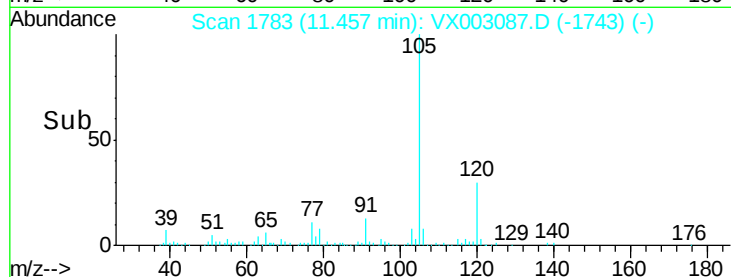
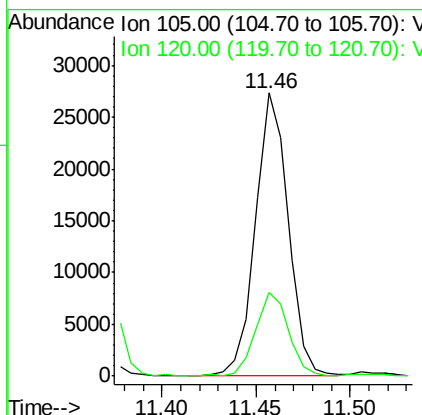
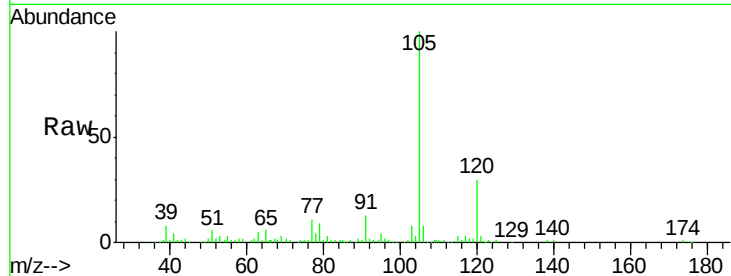




#80
 1,3,5-Trimethylbenzene
 Concen: 2.58 ug/l
 RT: 11.46 min Scan# 1783
 Delta R.T. -0.06 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

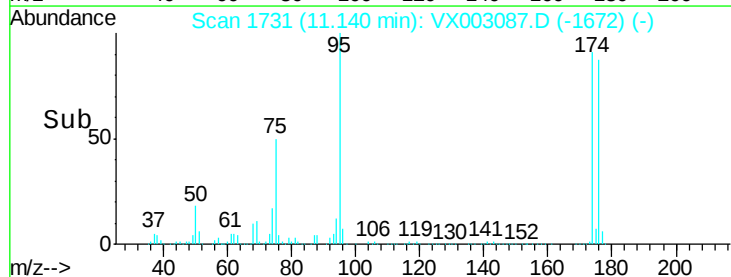
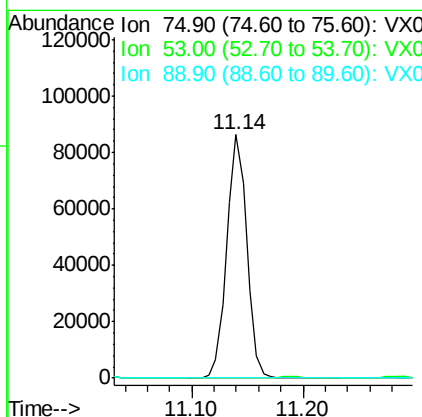
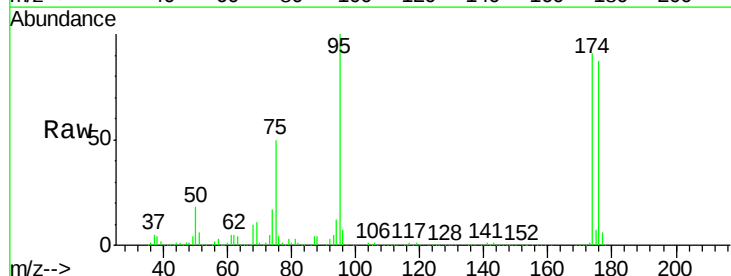
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0042

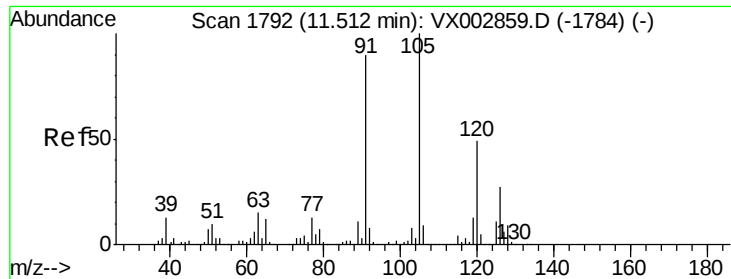
Tot Ion:105 Resp: 33022
 Ion Ratio Lower Upper
 105 100
 120 30.1 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.62 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003087.D
 Acq: 30 Jun 2018 18:56

Tgt Ion: 75 Resp: 107586
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.8 130.2#
 89 0.0 38.2 57.2#





#82

4-Chlorotoluene

Concen: 0.35 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.06 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

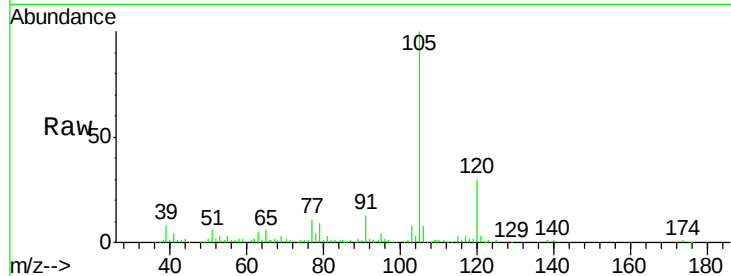
S22-0042

Tot Ion: 91 Resp: 4358

Ion Ratio Lower Upper

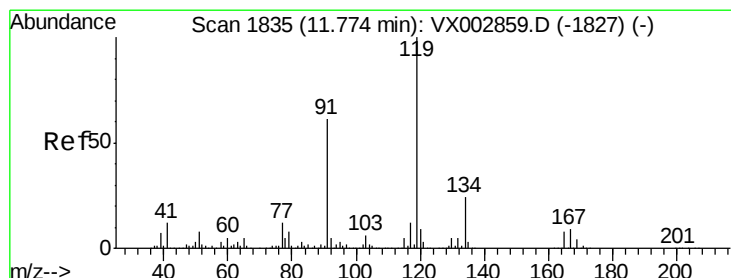
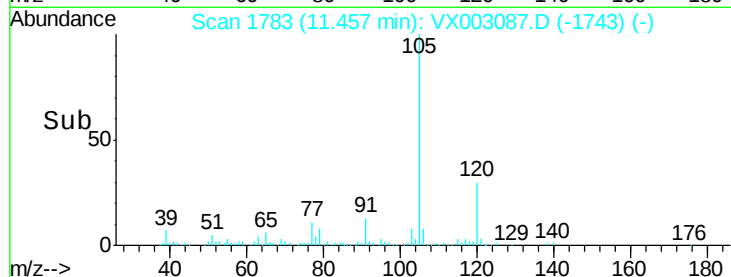
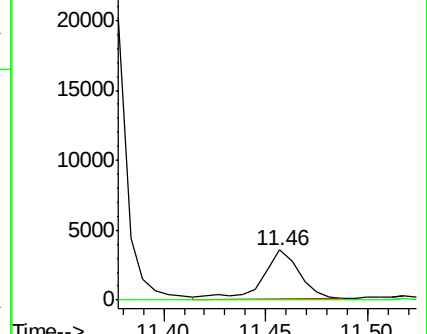
91 100

126 0.4 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 0.24 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

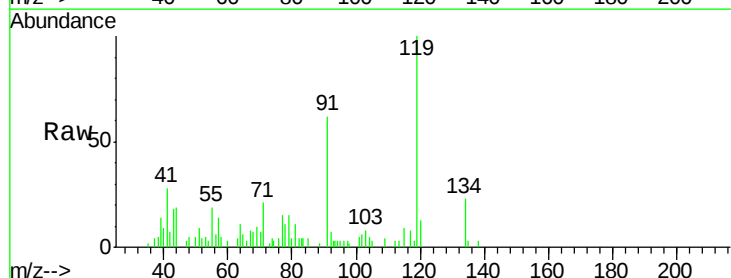
Tgt Ion: 119 Resp: 2964

Ion Ratio Lower Upper

119 100

91 63.1 30.3 90.9

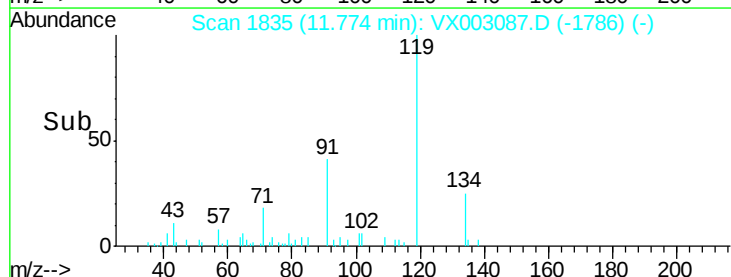
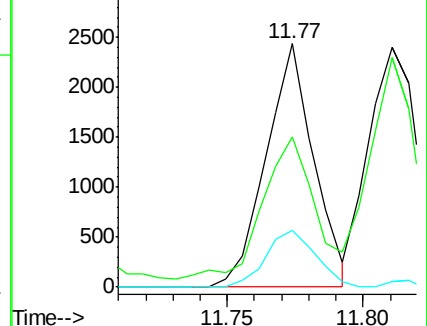
134 24.3 11.7 35.1

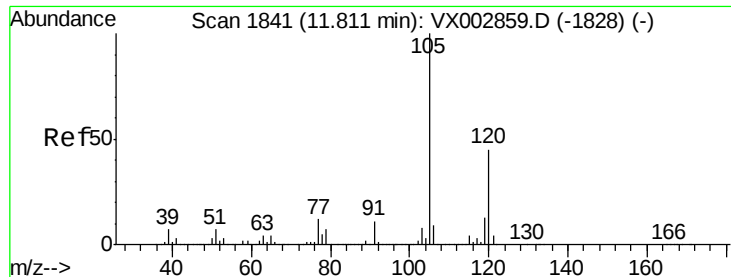


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.86 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

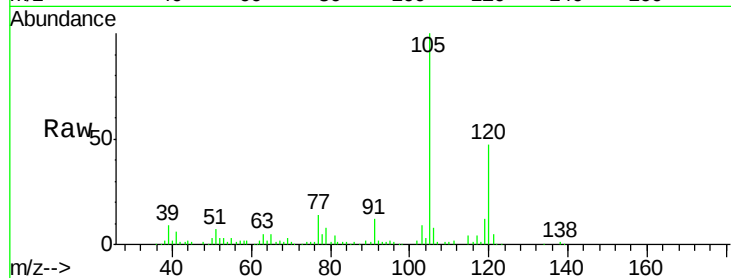
S22-0042

Tot Ion:105 Resp: 24699

Ion Ratio Lower Upper

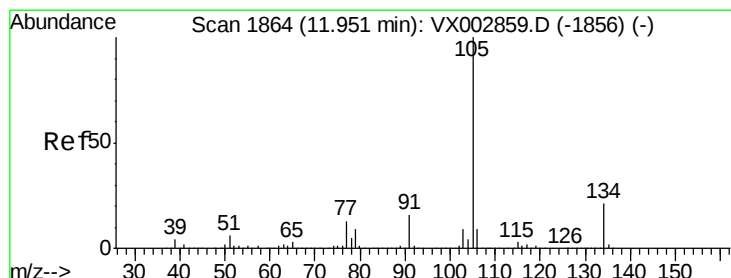
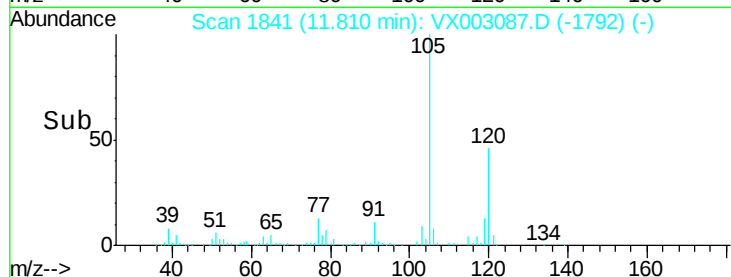
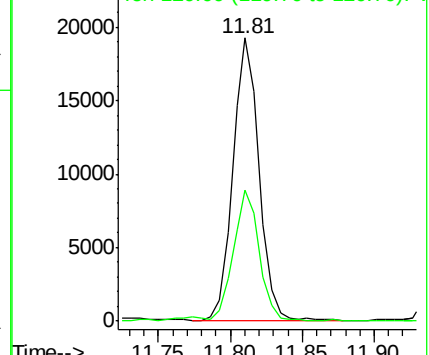
105 100

120 47.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.74 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003087.D

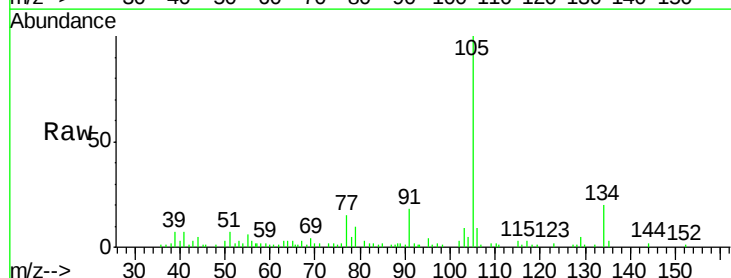
Acq: 30 Jun 2018 18:56

Tgt Ion:105 Resp: 11354

Ion Ratio Lower Upper

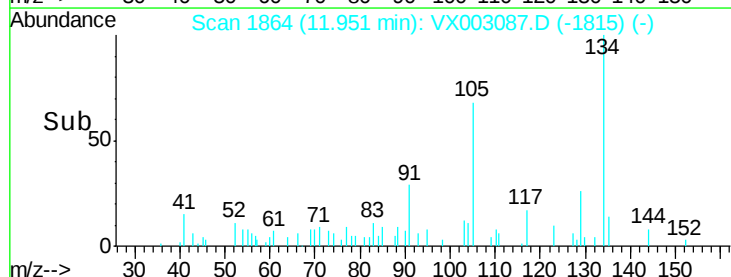
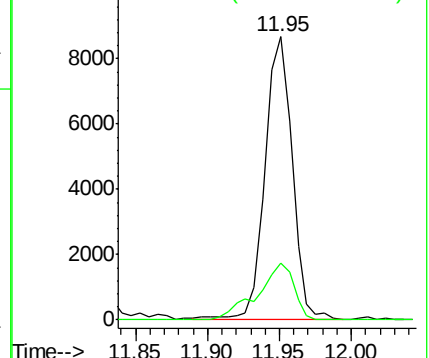
105 100

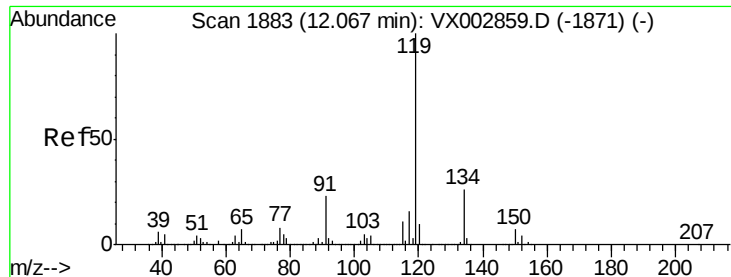
134 26.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

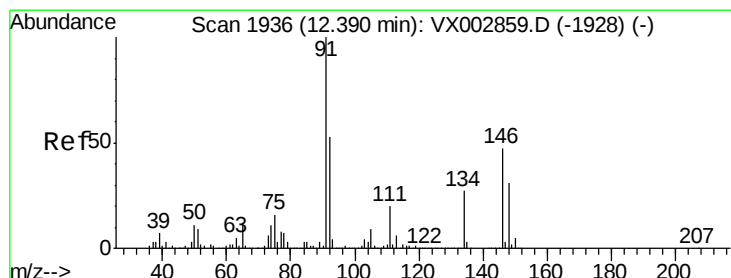
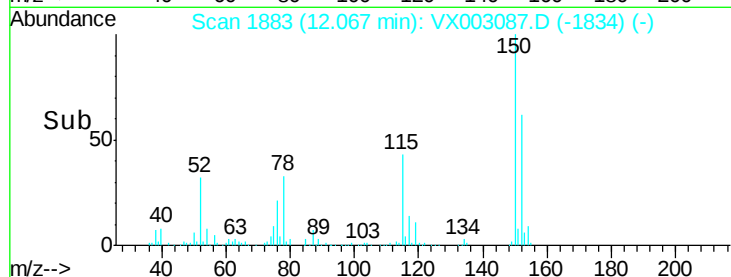
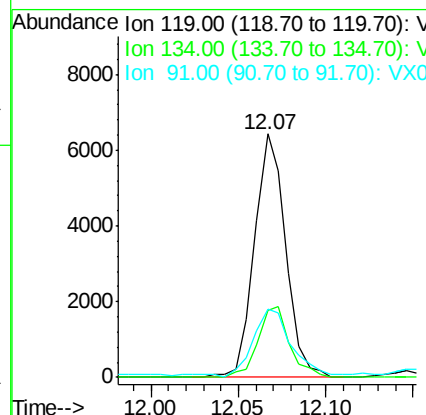
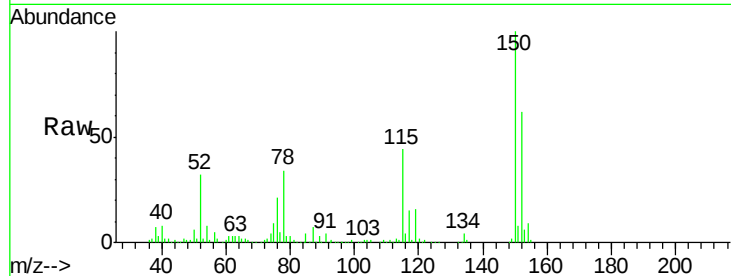




#86
p-Isopropyltoluene
Concen: 0.58 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

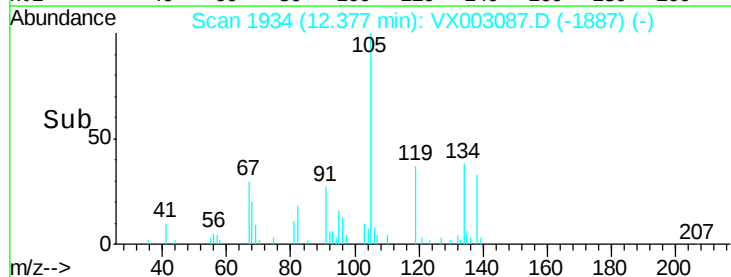
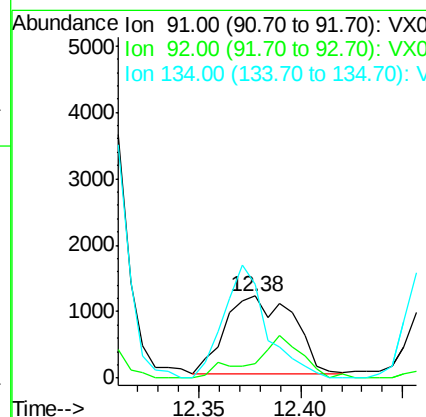
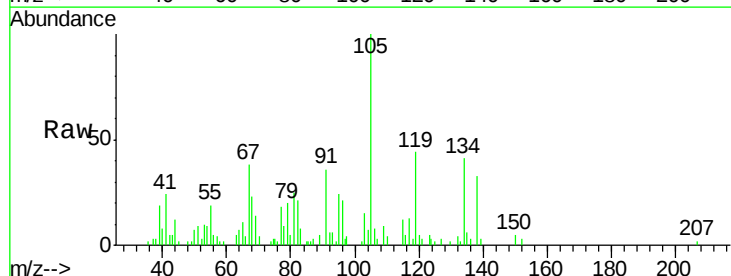
Instrument :
MSVOA_X
ClientSampleId :
S22-0042

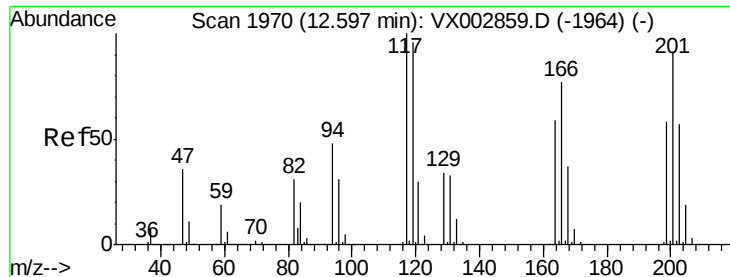
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	13.4	40.1
91	34.9	11.9	35.7



#89
n-Butylbenzene
Concen: 0.23 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.4	26.0	78.0
134	92.7	13.5	40.5





#90

Hexachloroethane

Concen: 0.84 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

Instrument :

MSVOA_X

ClientSampleId :

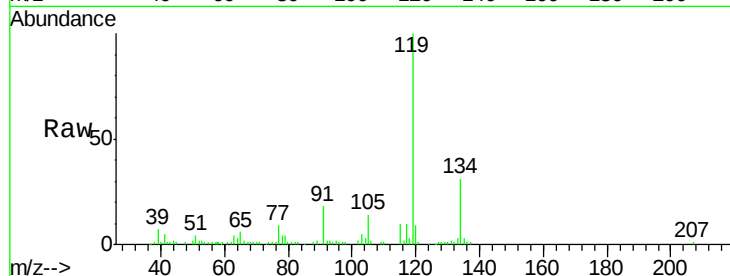
S22-0042

Tot Ion:117 Resp: 1723

Ion Ratio Lower Upper

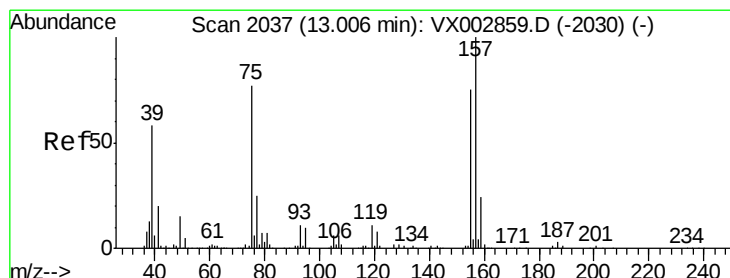
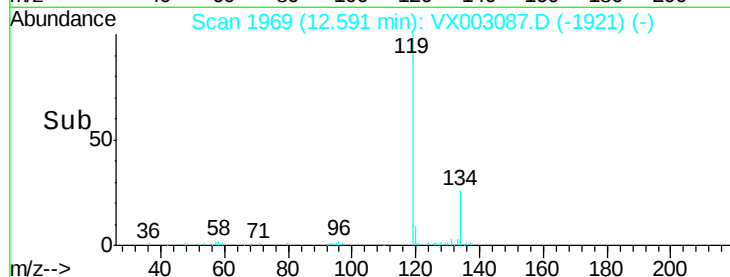
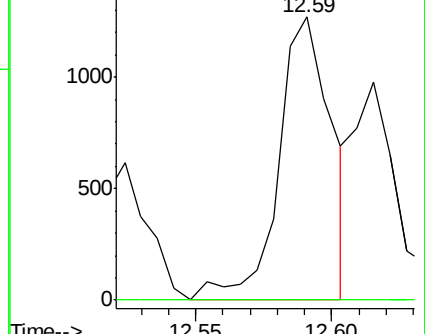
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.31 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.02 min

Lab File: VX003087.D

Acq: 30 Jun 2018 18:56

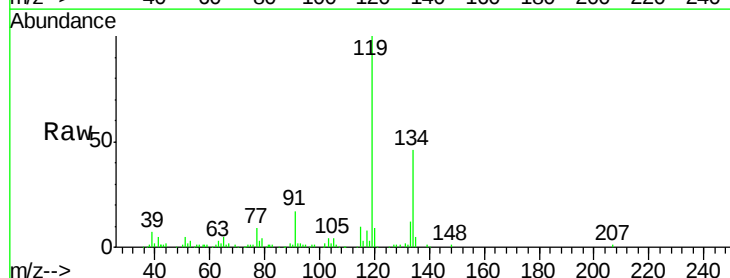
Tgt Ion: 75 Resp: 331

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

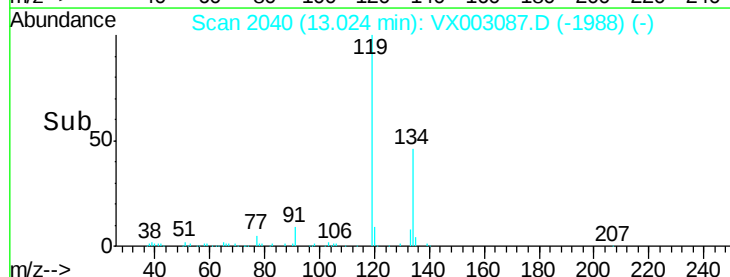
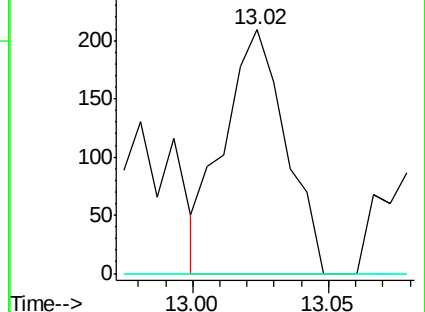
157 0.0 60.1 180.3#

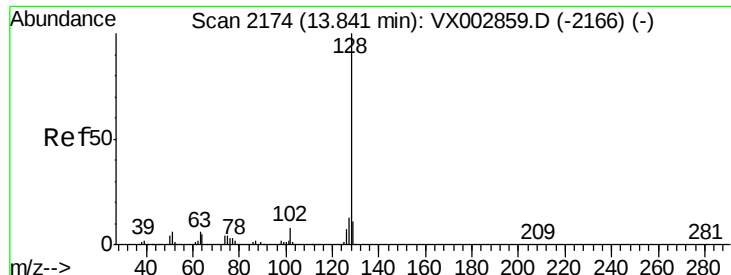


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

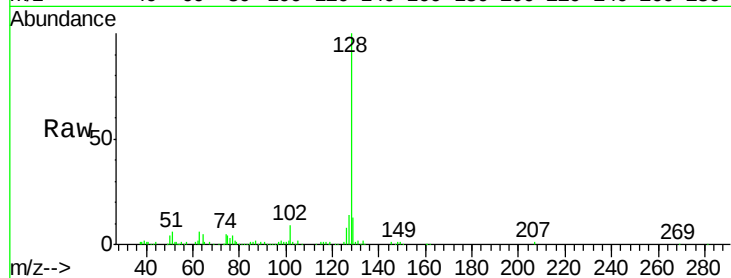




#95
Naphthalene
Concen: 2.27 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003087.D
Acq: 30 Jun 2018 18:56

Instrument :
MSVOA_X
ClientSampleId :
S22-0042

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	15.0	8.6	13.0



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

