

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052618\
 Data File : VX002047.D
 Acq On : 27 May 2018 04:44
 Operator : JC/MD
 Sample : J3104-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:46:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	29738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	45426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	41365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	19933	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	64258	120.88	ug/l	0.00
Spiked Amount			Recovery	=	241.76%	
35) Dibromofluoromethane	5.51	113	47710	105.03	ug/l	0.00
Spiked Amount			Recovery	=	210.06%	
50) Toluene-d8	8.72	98	165078	100.38	ug/l	0.00
Spiked Amount			Recovery	=	200.76%	
62) 4-Bromofluorobenzene	11.14	95	56400	87.65	ug/l	0.00
Spiked Amount			Recovery	=	175.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	202	Below Cal	#	41
3) Chloromethane	1.33	50	528	1.15	ug/l	91
4) Vinyl Chloride	1.42	62	206	0.47	ug/l	# 43
5) Bromomethane	1.65	94	1454	6.31	ug/l	# 80
6) Chloroethane	1.70	64	126	0.48	ug/l	# 45
7) Trichlorofluoromethane	1.94	101	168	0.25	ug/l	89
8) Diethyl Ether	2.19	74	487	2.02	ug/l	94
10) Methyl Iodide	2.53	142	1285	2.57	ug/l	# 82
11) Tert butyl alcohol	3.03	59	3878	37.17	ug/l	# 82
12) 1,1-Dichloroethene	2.37	96	85	0.25	ug/l	# 1
13) Acrolein	2.30	56	244	5.41	ug/l	# 82
14) Allyl chloride	2.73	41	407	0.56	ug/l	# 57
15) Acrylonitrile	3.15	53	310	1.44	ug/l	# 75
16) Acetone	2.45	43	15499	75.55	ug/l	98
17) Carbon Disulfide	2.57	76	1215	1.22	ug/l	# 92
18) Methyl Acetate	2.78	43	27949	56.71	ug/l	97
20) Methylene Chloride	2.86	84	6623	17.56	ug/l	88
21) trans-1,2-Dichloroethene	3.14	96	147	Below Cal	#	16
24) 1,1-Dichloroethane	3.70	63	179	0.25	ug/l	# 1
25) 2-Butanone	4.71	43	2807	7.47	ug/l	# 88
26) 2,2-Dichloropropane	4.59	77	176	0.25	ug/l	97
28) Bromochloromethane	5.04	49	70	Below Cal	#	14
29) Tetrahydrofuran	5.17	42	422	1.73	ug/l	# 32
30) Chloroform	5.22	83	2117	2.67	ug/l	96
31) Cyclohexane	5.56	56	271	0.37	ug/l	# 29
36) 1,1-Dichloropropene	5.80	75	186	0.29	ug/l	# 67
38) Carbon Tetrachloride	5.67	117	2824	3.83	ug/l	# 11
39) Methylcyclohexane	7.44	83	225	0.29	ug/l	# 40
40) Benzene	6.15	78	382	0.21	ug/l	# 51
41) Methacrylonitrile	5.09	41	154	Below Cal	#	49
44) Trichloroethene	7.21	130	172	0.32	ug/l	74
47) Bromodichloromethane	7.90	83	684	0.96	ug/l	# 82
51) 4-Methyl-2-Pentanone	8.66	43	1286	1.55	ug/l	96
52) Toluene	8.79	92	372	0.32	ug/l	# 3

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 Sample : J3104-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

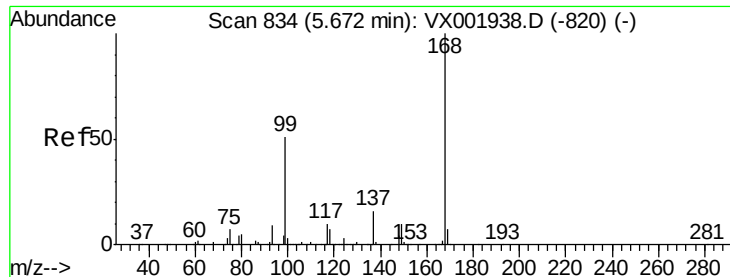
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:46:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

56) Ethyl methacrylate	9.18	69	385	0.45	ug/l #	70
59) 2-Hexanone	9.51	43	567	0.89	ug/l	85
64) Tetrachloroethene	9.34	164	226	0.38	ug/l #	79
65) Chlorobenzene	10.16	112	434	0.33	ug/l #	42
67) Ethyl Benzene	10.25	91	1640	0.72	ug/l #	78
68) m/p-Xylenes	10.37	106	1531	1.76	ug/l	89
69) o-Xylene	10.71	106	669	0.77	ug/l	88
70) Styrene	10.72	104	495	0.34	ug/l #	61
73) Isopropylbenzene	11.02	105	647	0.38	ug/l	92
74) N-amyl acetate	6.50	43	109	Below	Cal #	59
75) 1,1,2,2-Tetrachloroethane	11.27	83	95	Below	Cal #	81
76) 1,2,3-Trichloropropane	11.14	75	30415	63.53	ug/l #	33
77) Bromobenzene	11.26	156	128	0.29	ug/l #	15
78) n-propylbenzene	11.37	91	1509	0.80	ug/l	97
79) 2-Chlorotoluene	11.52	91	889	Below	Cal	84
80) 1,3,5-Trimethylbenzene	11.51	105	2739	1.90	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.14	75	30415	152.68	ug/l #	10
82) 4-Chlorotoluene	11.52	91	889	0.67	ug/l	91
83) tert-Butylbenzene	12.03	119	394	0.28	ug/l	85
84) 1,2,4-Trimethylbenzene	11.81	105	8829	5.92	ug/l	96
85) sec-Butylbenzene	11.95	105	683	0.40	ug/l	95
86) p-Isopropyltoluene	12.07	119	487	0.32	ug/l #	15
87) 1,3-Dichlorobenzene	12.04	146	372	0.46	ug/l	93
88) 1,4-Dichlorobenzene	12.04	146	372	0.46	ug/l	93
89) n-Butylbenzene	12.39	91	1137	0.88	ug/l #	51
90) Hexachloroethane	12.60	117	322	1.07	ug/l #	2
91) 1,2-Dichlorobenzene	12.40	146	172	0.21	ug/l #	39
93) 1,2,4-Trichlorobenzene	13.65	180	298	0.51	ug/l #	45
95) Naphthalene	13.84	128	22628	12.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.04	180	155	0.26	ug/l #	77

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

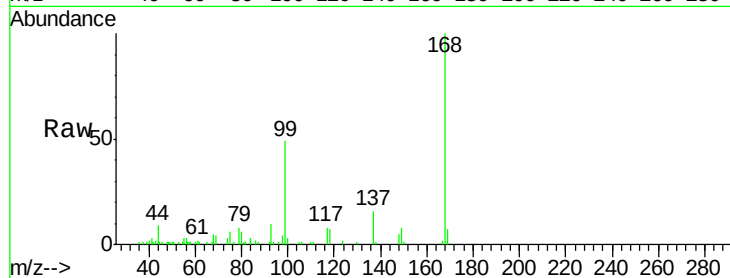
ClientSampled :

Tot Ion:168 Resp: 29738

Ion Ratio Lower Upper

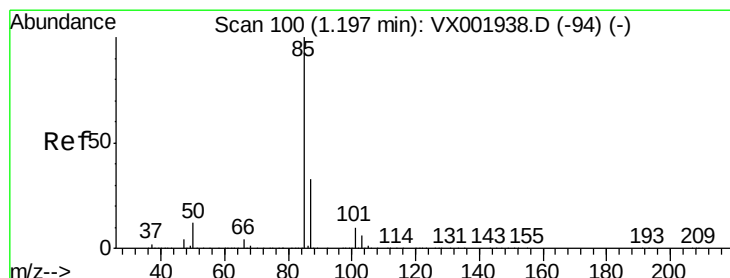
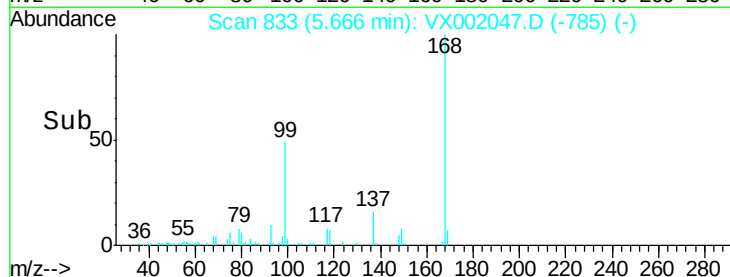
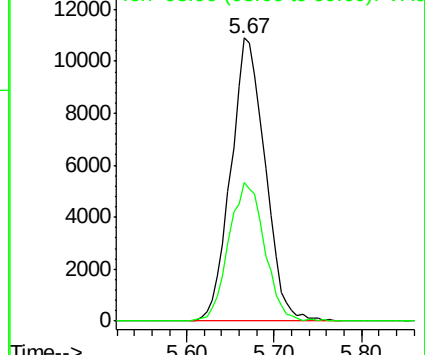
168 100

99 48.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002047.D

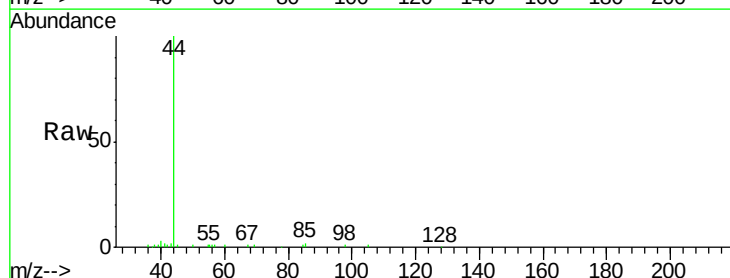
Acq: 27 May 2018 04:44

Tgt Ion: 85 Resp: 202

Ion Ratio Lower Upper

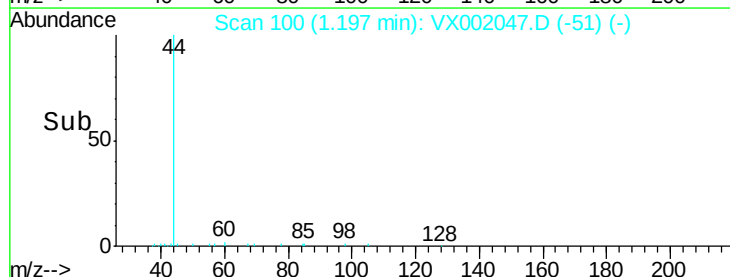
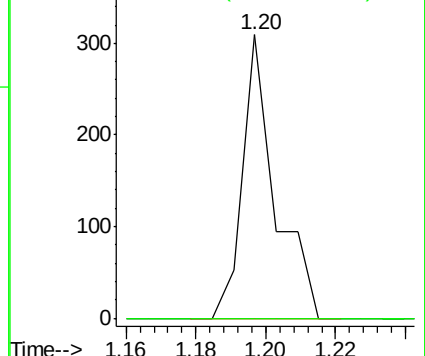
85 100

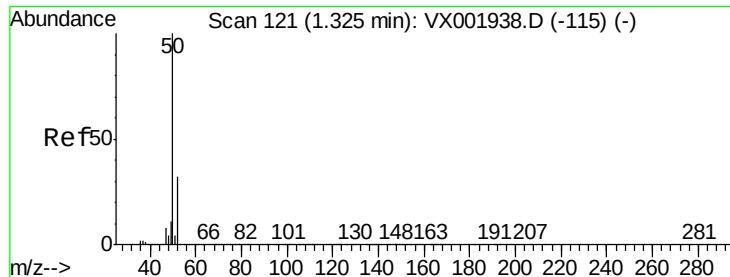
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.15 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

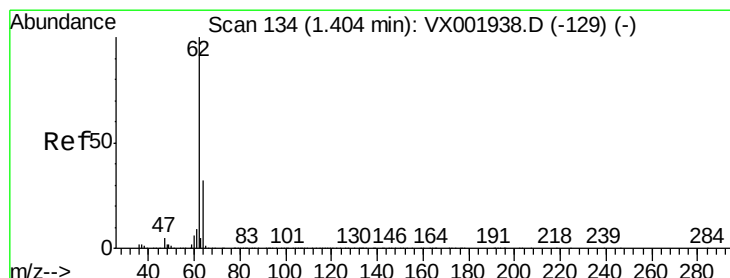
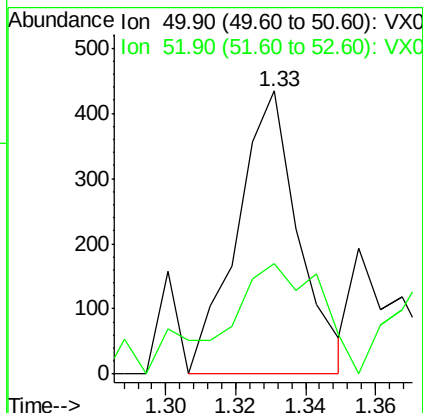
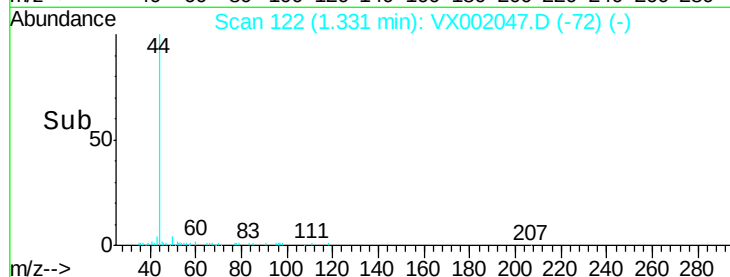
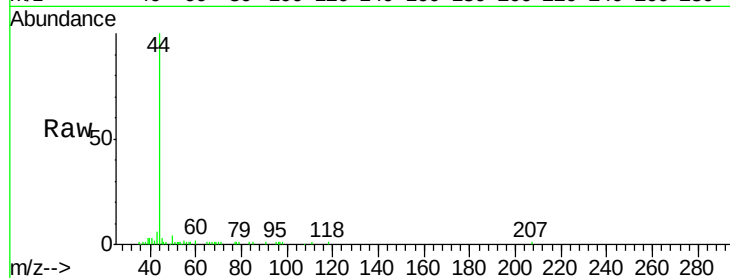
ClientSampleId :

Tot Ion: 50 Resp: 528

Ion Ratio Lower Upper

50 100

52 27.2 26.0 39.0



#4

Vinyl Chloride

Concen: 0.47 ug/l

RT: 1.42 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX002047.D

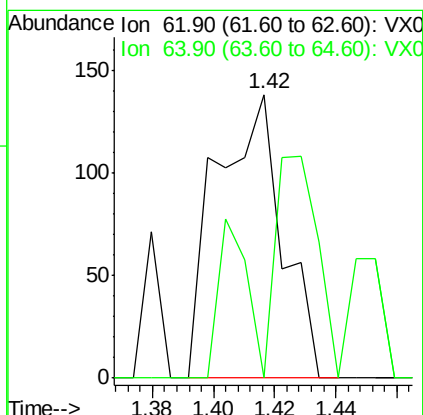
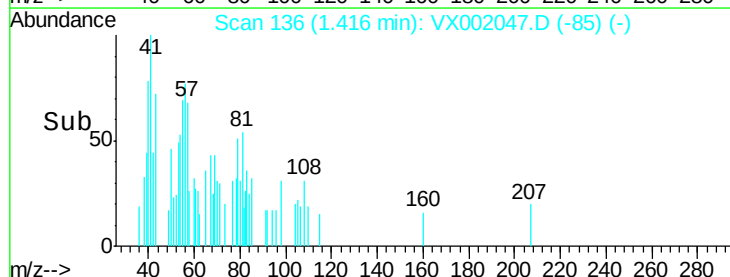
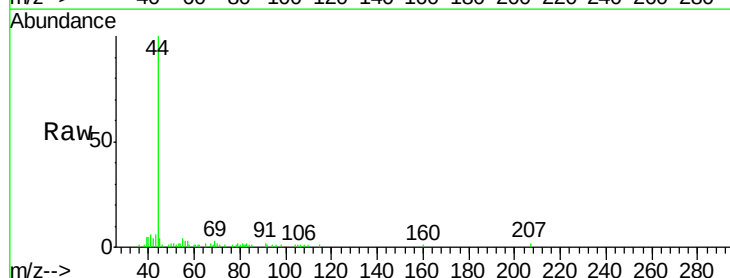
Acq: 27 May 2018 04:44

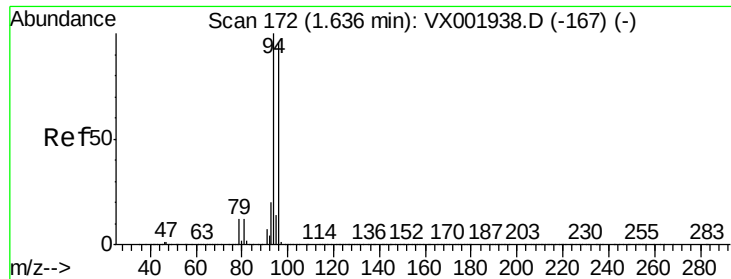
Tgt Ion: 62 Resp: 206

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#





#5

Bromomethane

Concen: 6.31 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

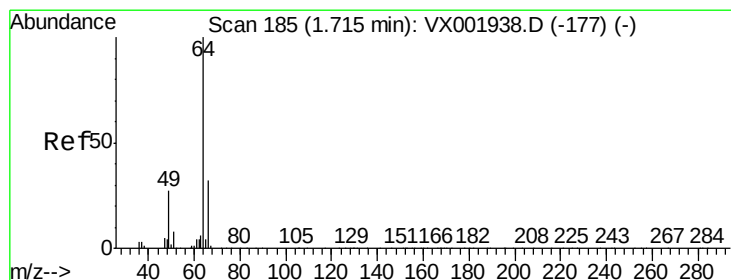
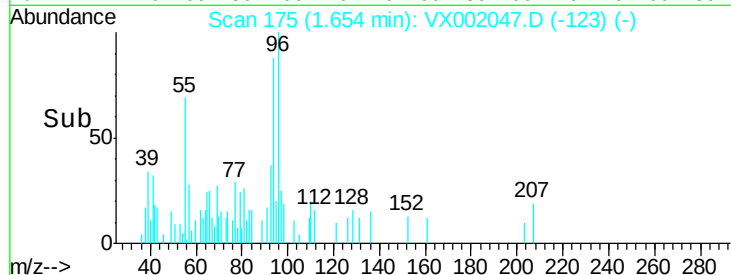
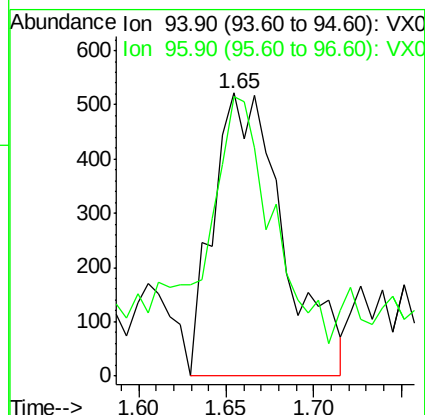
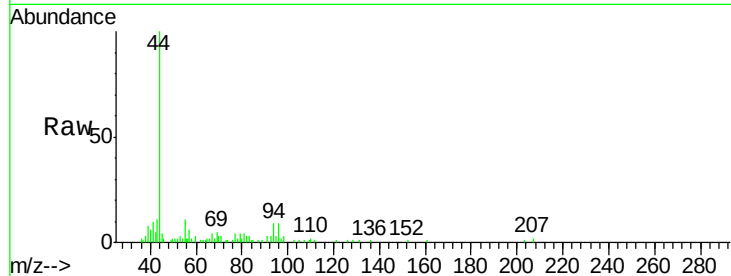
ClientSampleId :

Tot Ion: 94 Resp: 1454

Ion Ratio Lower Upper

94 100

96 75.3 75.9 113.9#



#6

Chloroethane

Concen: 0.48 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX002047.D

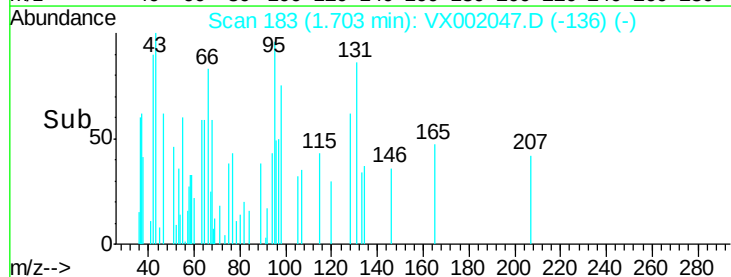
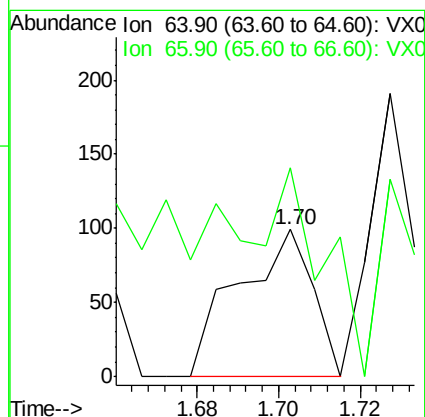
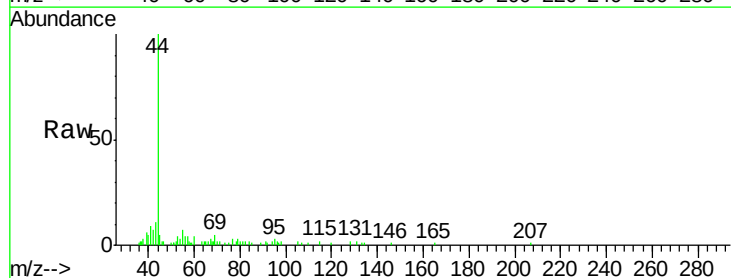
Acq: 27 May 2018 04:44

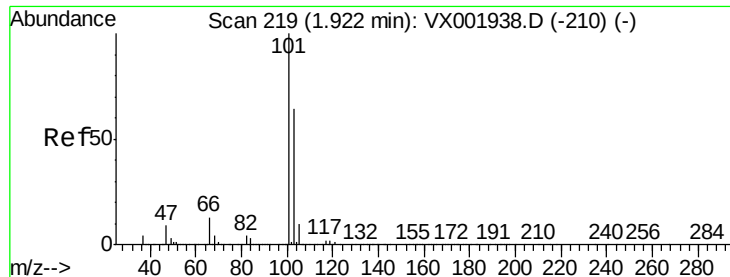
Tgt Ion: 64 Resp: 126

Ion Ratio Lower Upper

64 100

66 62.6 25.6 38.4#



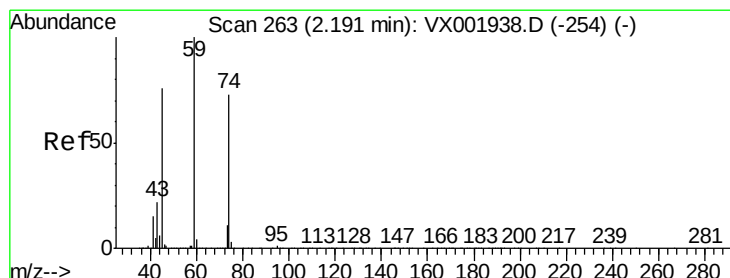
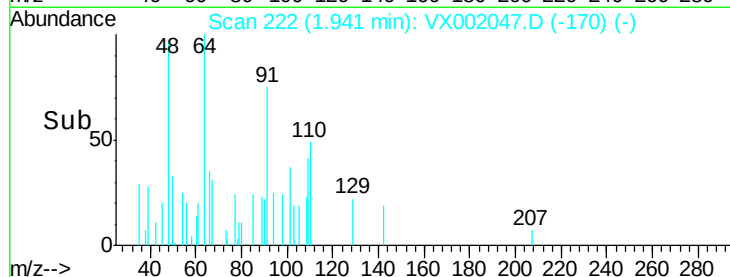
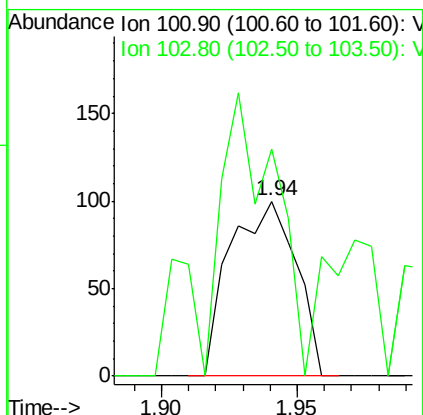
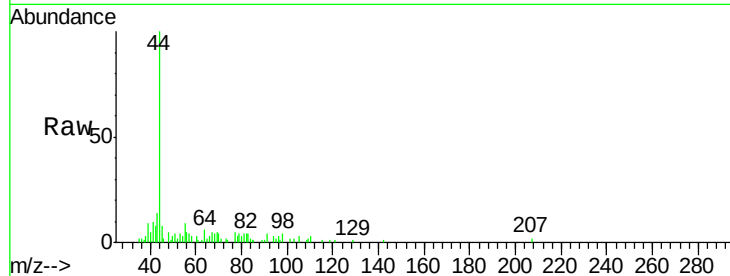


#7

Trichlorofluoromethane
 Concen: 0.25 ug/l
 RT: 1.94 min Scan# 222
 Delta R.T. 0.02 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :

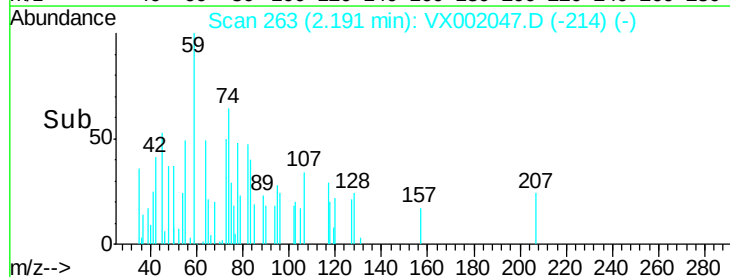
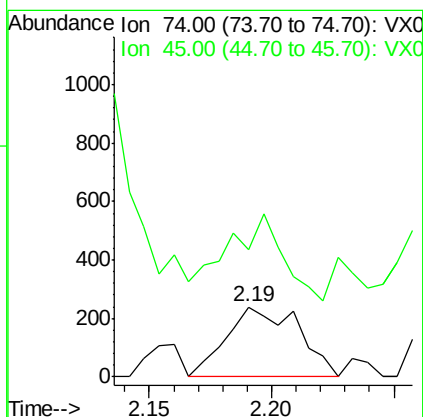
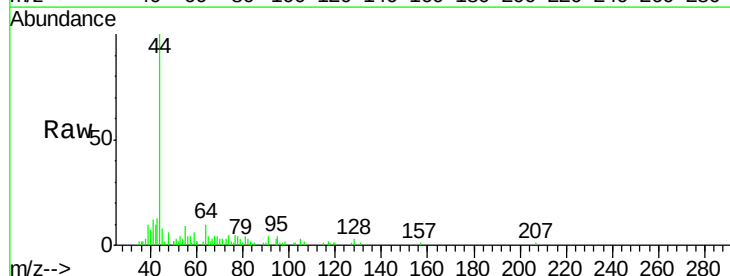
Tot Ion:101 Resp: 168
 Ion Ratio Lower Upper
 101 100
 103 73.0 51.4 77.0

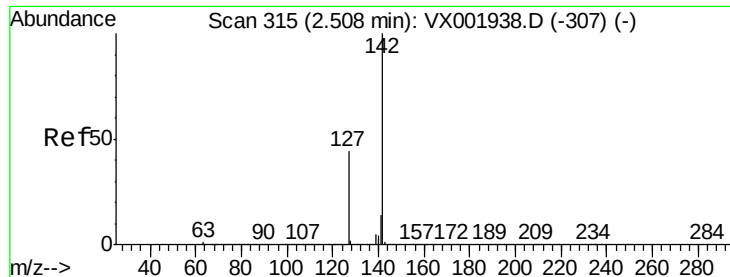


#8

Diethyl Ether
 Concen: 2.02 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

Tgt Ion: 74 Resp: 487
 Ion Ratio Lower Upper
 74 100
 45 97.3 51.5 154.7

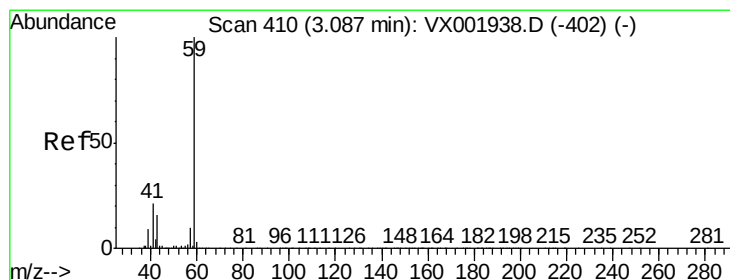
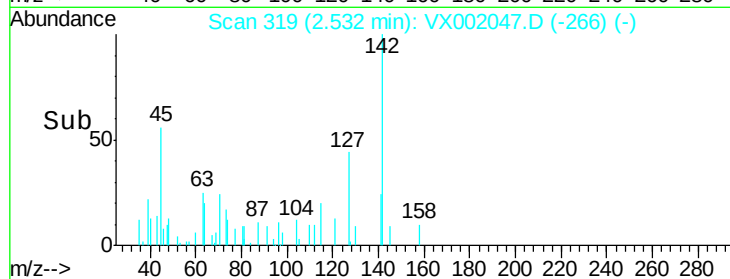
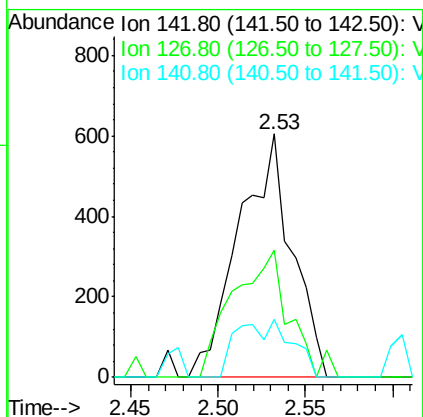
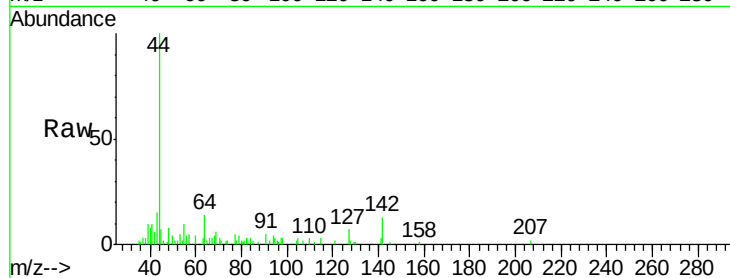




#10
Methvl Iodide
Concen: 2.57 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

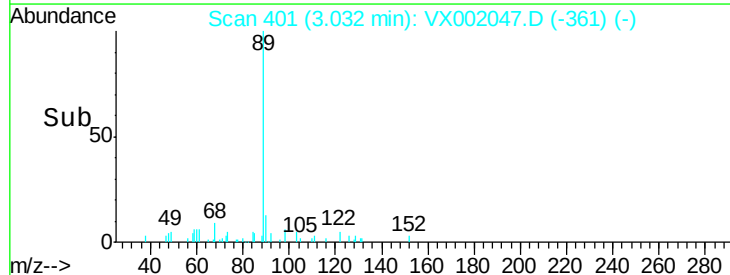
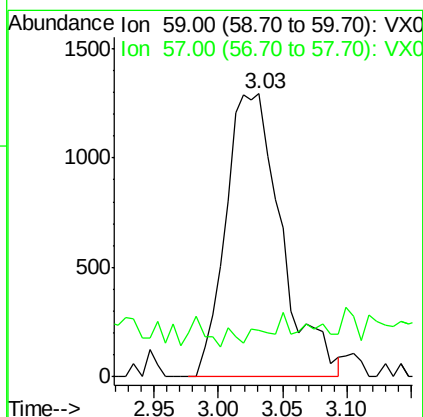
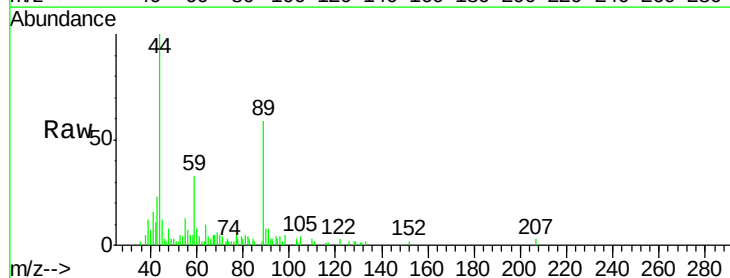
Instrument :
MSVOA_X
ClientSampleId :

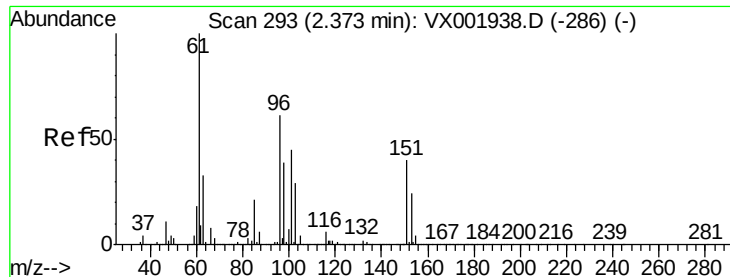
Tot Ion	Ratio	Lower	Upper
142	100		
127	55.2	35.5	53.3#
141	24.0	11.3	16.9#



#11
Tert butyl alcohol
Concen: 37.17 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.9	13.3#





#12

1,1-Dichloroethene

Concen: 0.25 ug/l

RT: 2.37 min Scan# 292

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

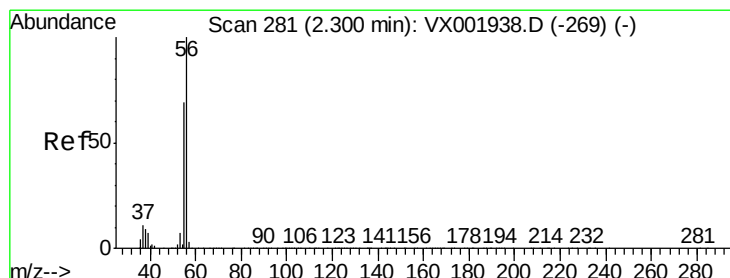
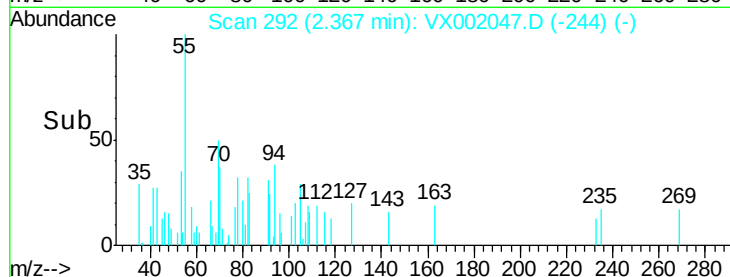
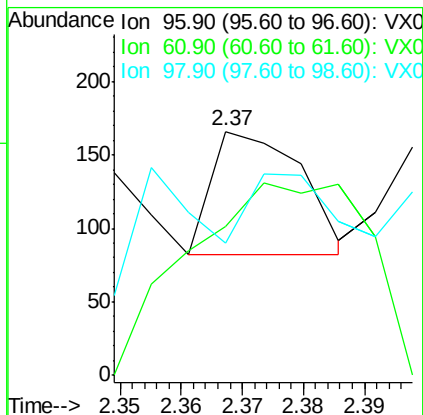
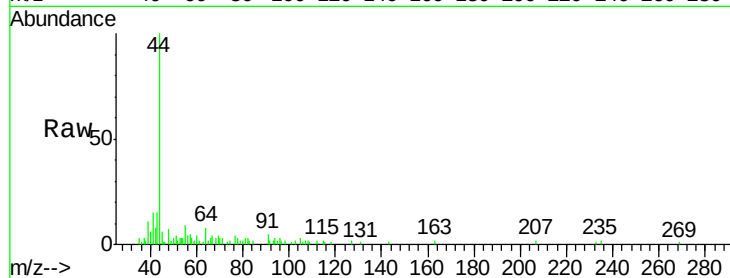
Tot Ion: 96 Resp: 85

Ion Ratio Lower Upper

96 100

61 19.0 131.7 197.5#

98 0.0 51.6 77.4#



#13

Acrolein

Concen: 5.41 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002047.D

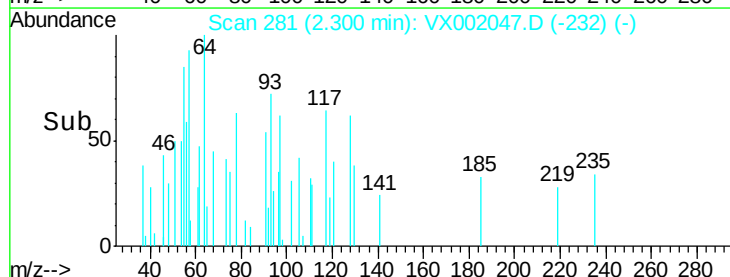
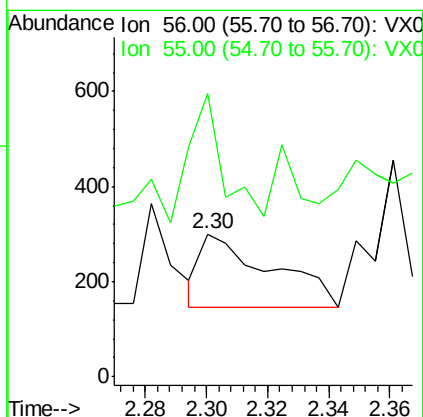
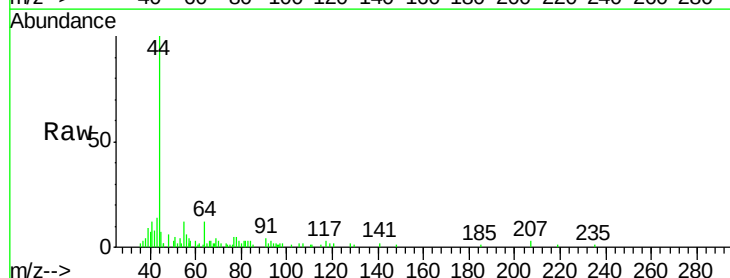
Acq: 27 May 2018 04:44

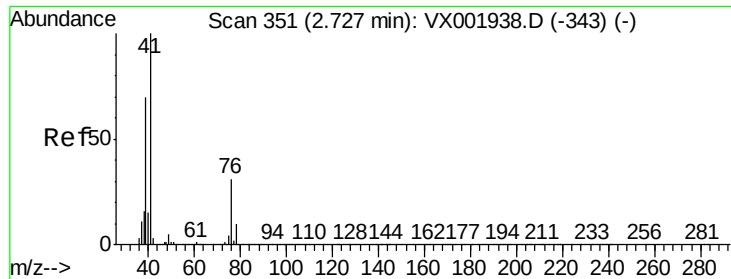
Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

56 100

55 86.1 56.8 85.2#





#14

Allvl chloride

Concen: 0.56 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002047.D

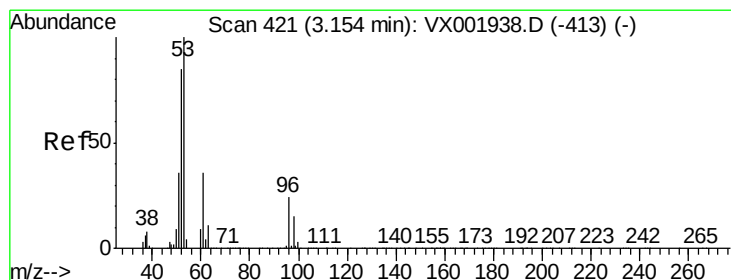
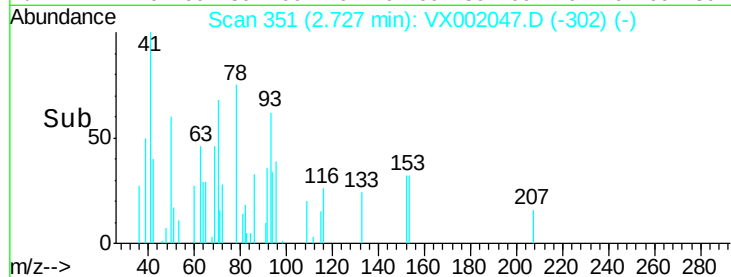
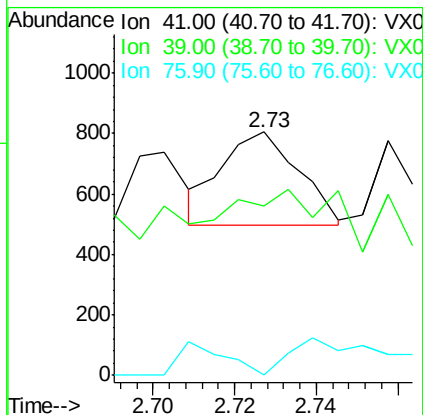
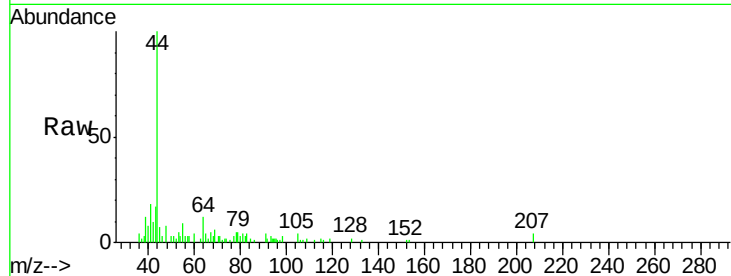
Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	41	Resp:	407
Ion	Ratio	Lower	Upper
41	100		
39	107.1	54.3	81.5#
76	46.9	24.2	36.4#



#15

Acrylonitrile

Concen: 1.44 ug/l

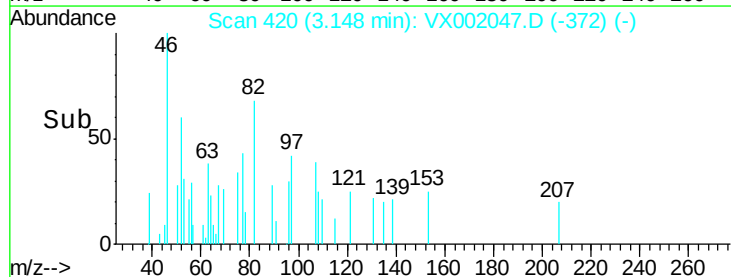
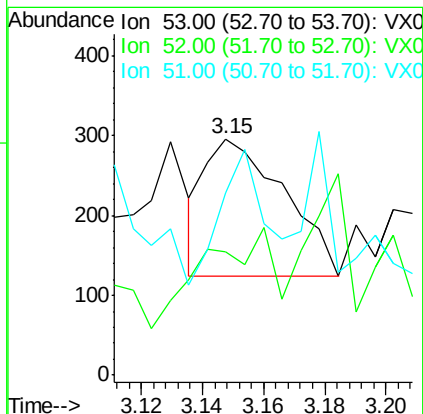
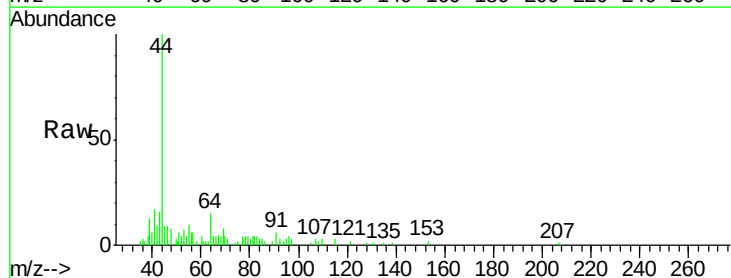
RT: 3.15 min Scan# 420

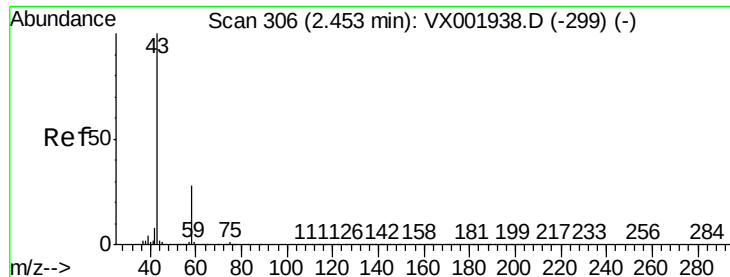
Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Tgt Ion:	53	Resp:	310
Ion	Ratio	Lower	Upper
53	100		
52	63.2	66.4	99.6#
51	54.8	29.3	43.9#





#16

Acetone

Concen: 75.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

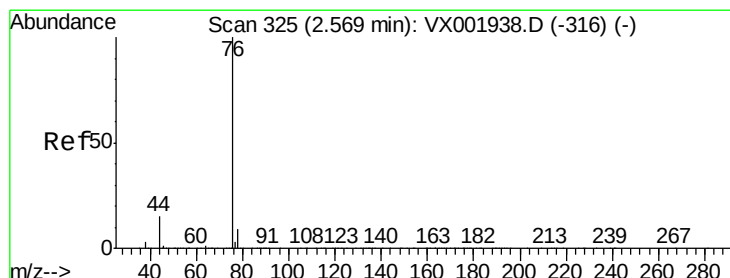
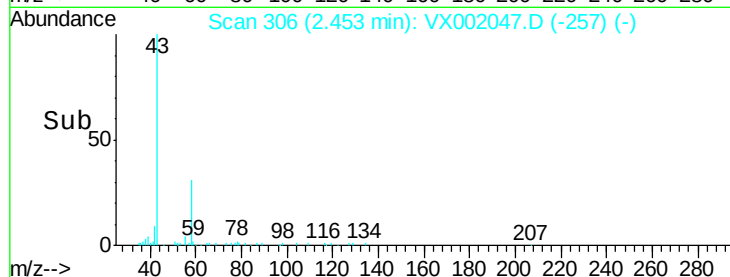
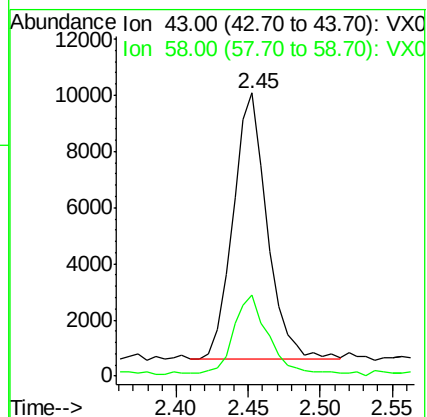
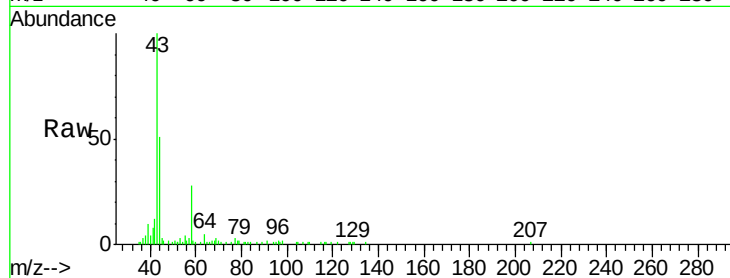
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 15499

Ion Ratio Lower Upper

43 100

58 29.1 22.3 33.5



#17

Carbon Disulfide

Concen: 1.22 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002047.D

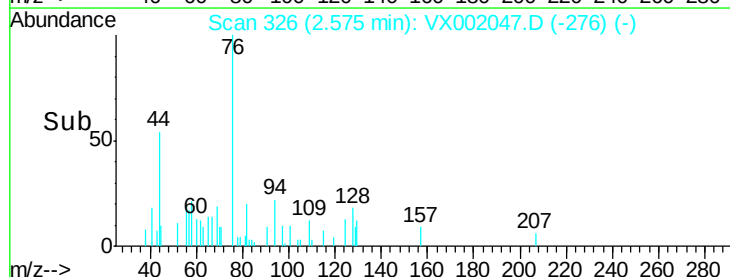
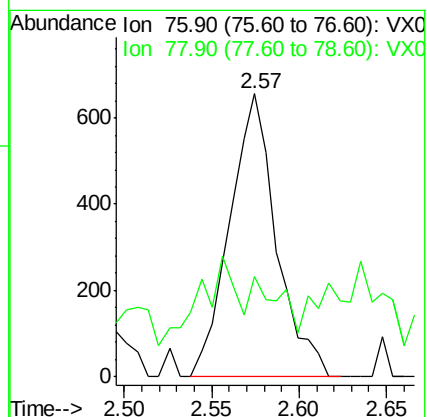
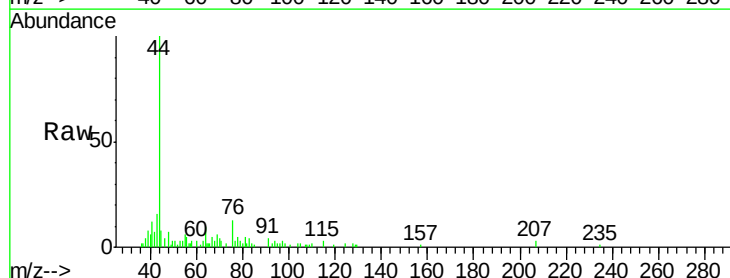
Acq: 27 May 2018 04:44

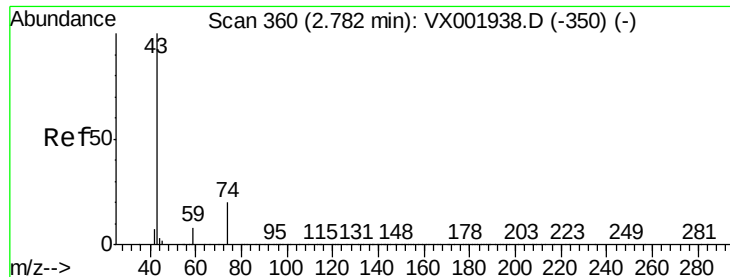
Tgt Ion: 76 Resp: 1215

Ion Ratio Lower Upper

76 100

78 12.3 7.4 11.2#

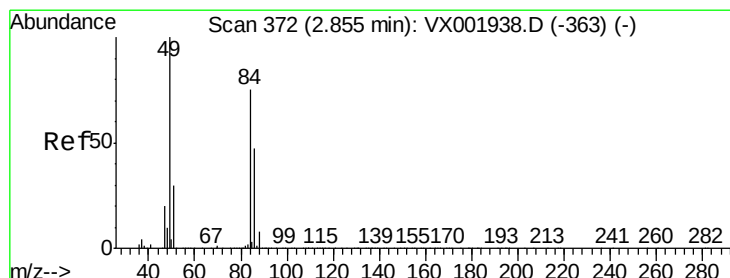
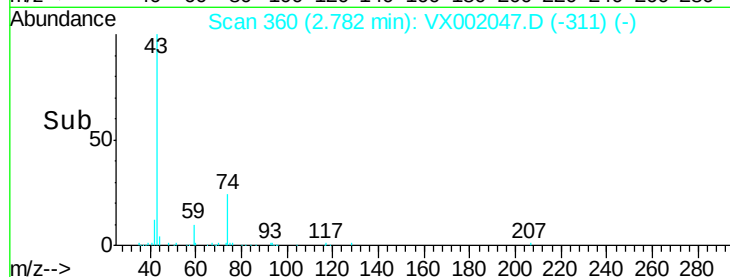
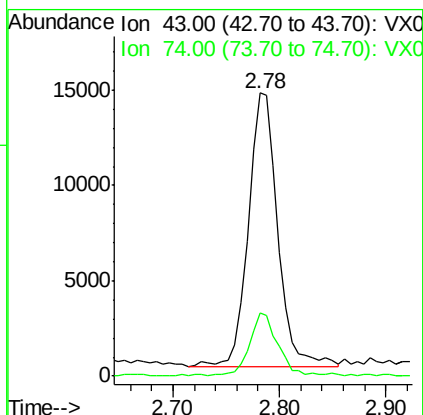
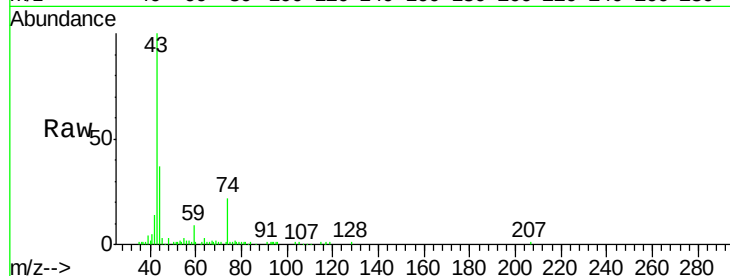




#18
Methvl Acetate
Concen: 56.71 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

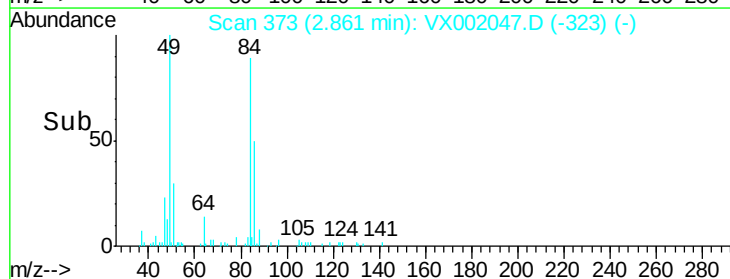
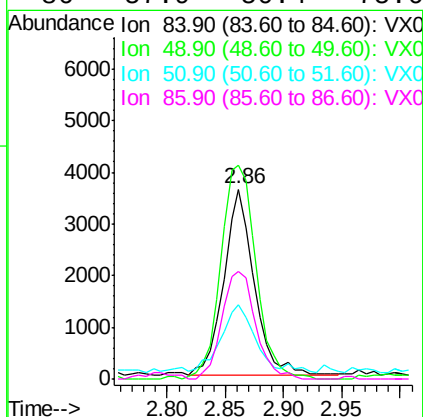
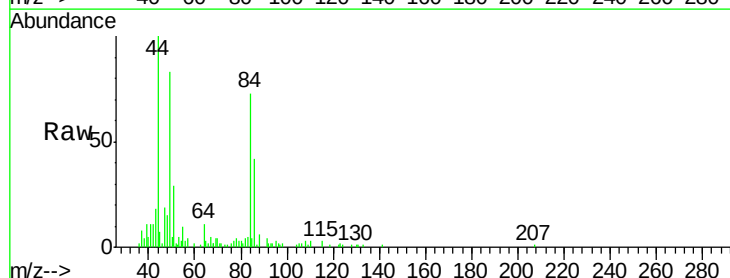
Instrument :
MSVOA_X
ClientSampleId :

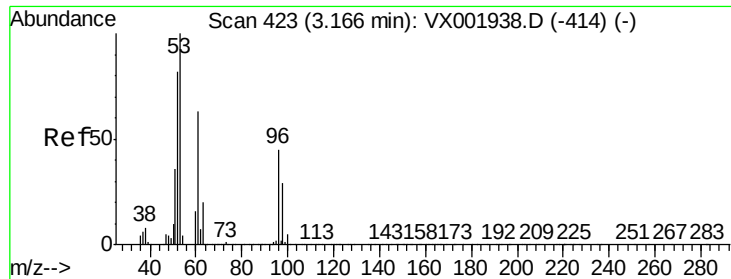
Tot Ion: 43 Resp: 27949
Ion Ratio Lower Upper
43 100
74 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 17.56 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 84 Resp: 6623
Ion Ratio Lower Upper
84 100
49 114.7 107.2 160.8
51 35.6 32.4 48.6
86 57.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.02 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

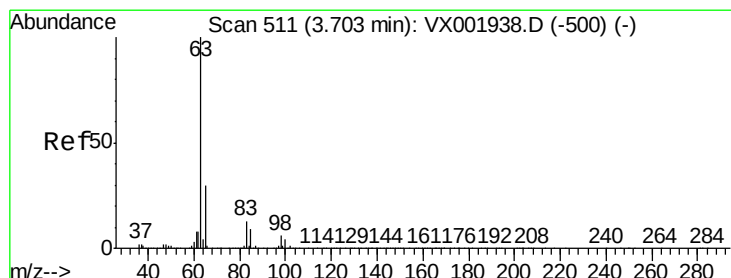
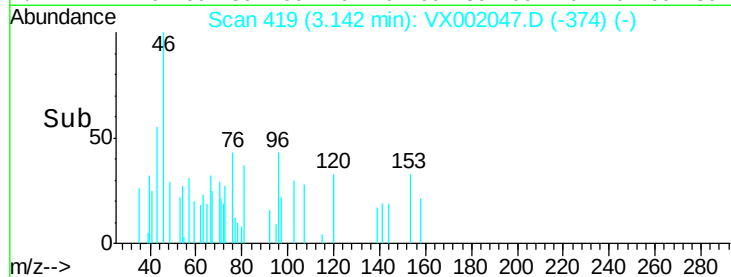
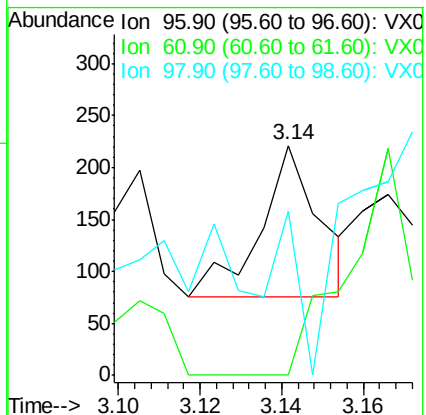
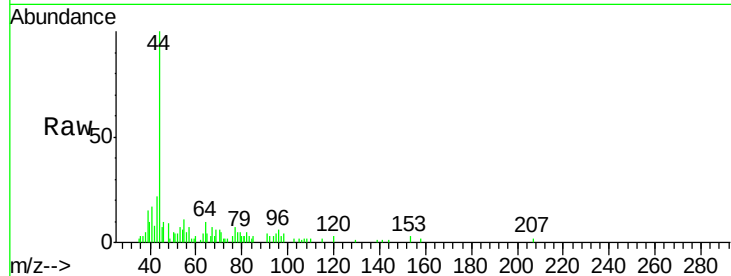
Tot Ion: 96 Resp: 147

Ion Ratio Lower Upper

96 100

61 0.0 113.3 169.9#

98 53.1 51.7 77.5



#24

1,1-Dichloroethane

Concen: 0.25 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

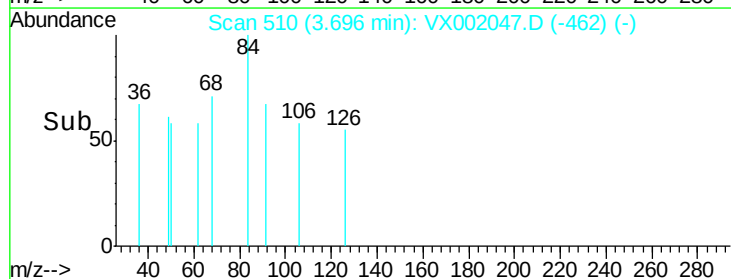
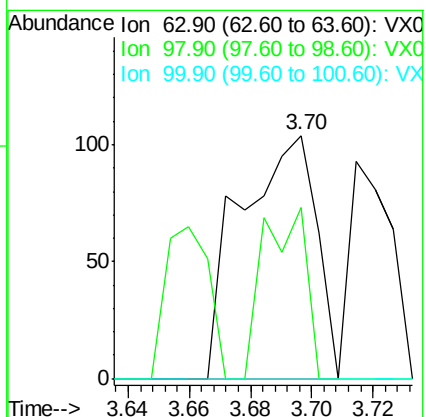
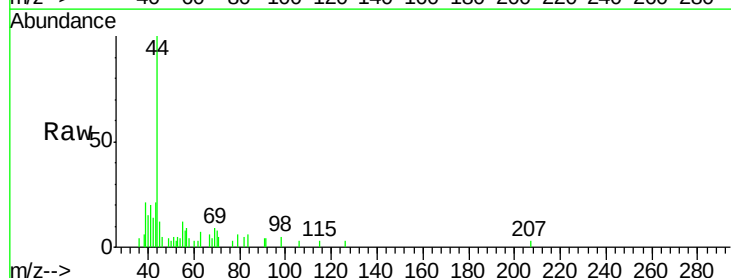
Tgt Ion: 63 Resp: 179

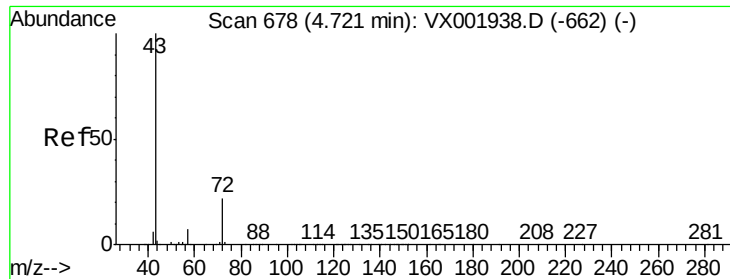
Ion Ratio Lower Upper

63 100

98 70.2 3.3 9.8#

100 0.0 2.1 6.5#





#25

2-Butanone

Concen: 7.47 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

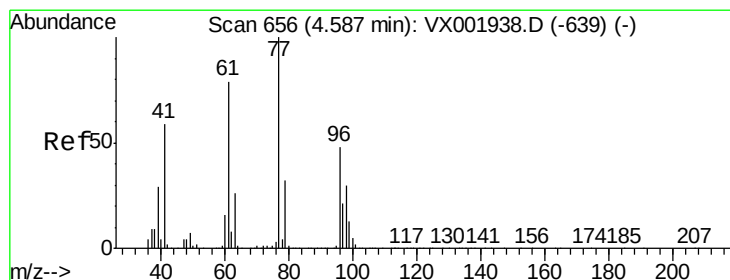
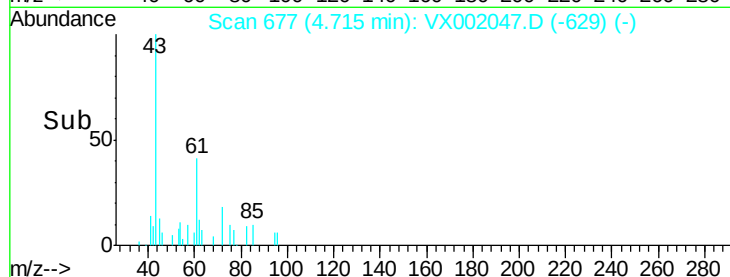
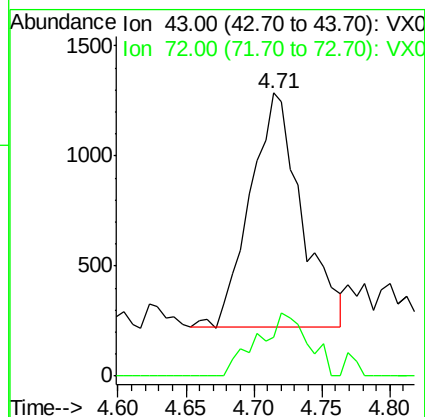
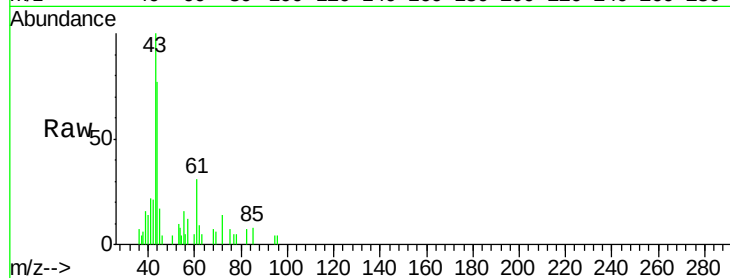
ClientSampled :

Tot Ion: 43 Resp: 2807

Ion Ratio Lower Upper

43 100

72 16.7 17.9 26.9#



#26

2,2-Dichloropropane

Concen: 0.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002047.D

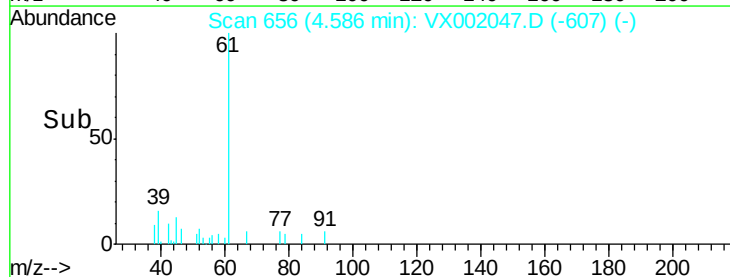
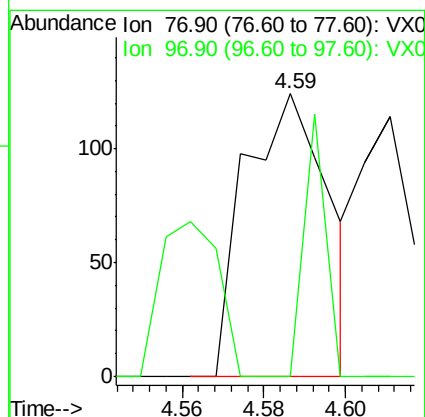
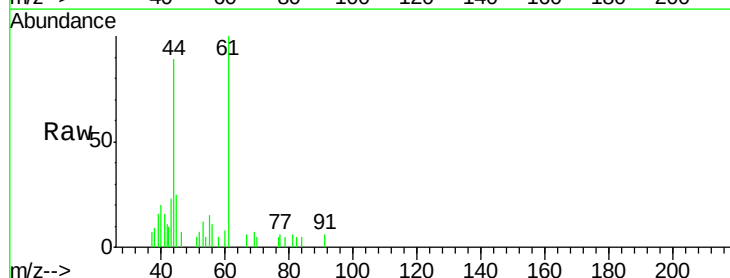
Acq: 27 May 2018 04:44

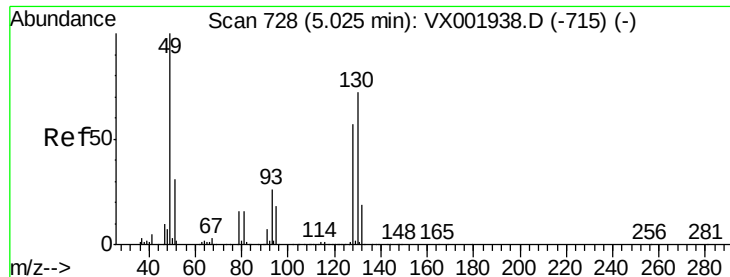
Tgt Ion: 77 Resp: 176

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.5





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 730

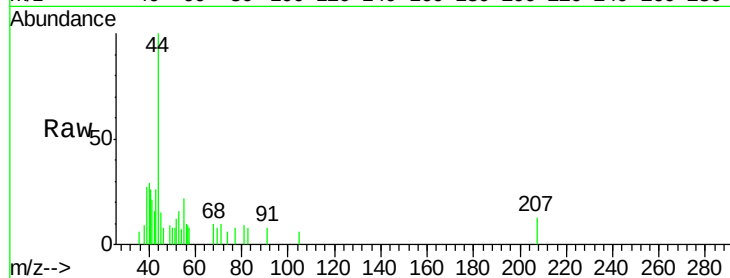
Delta R.T. 0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :
MSVOA_X
ClientSampled :

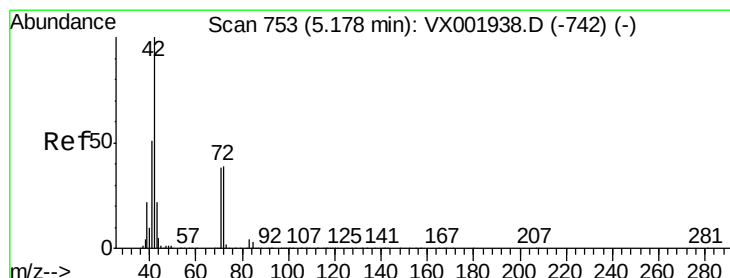
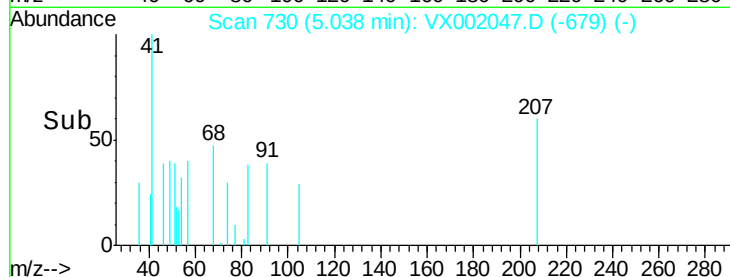
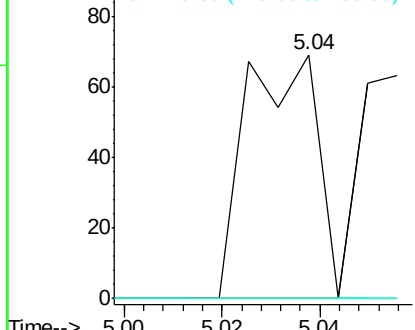
Tot Ion:	49	Resp:	70
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.73 ug/l

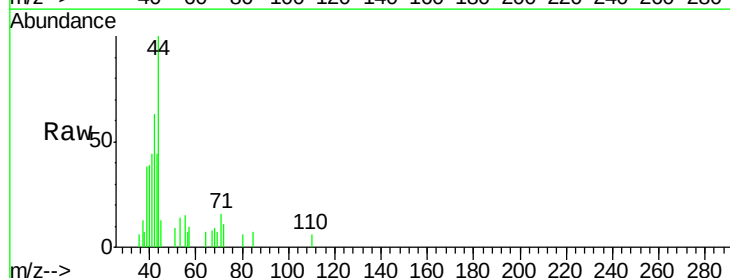
RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

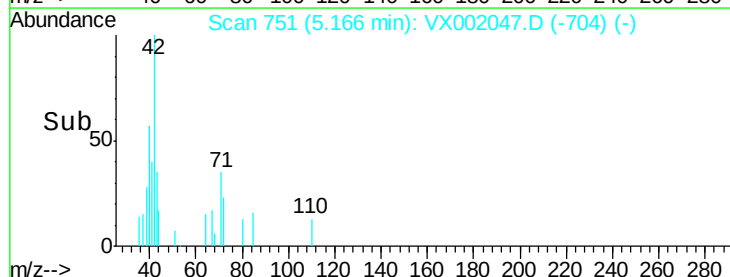
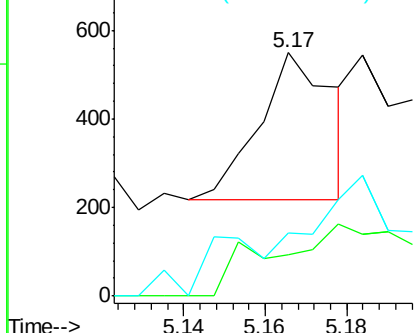
Tgt Ion:	42	Resp:	422
Ion	Ratio	Lower	Upper
42	100		
72	108.1	31.4	47.0#
71	49.1	29.5	44.3#

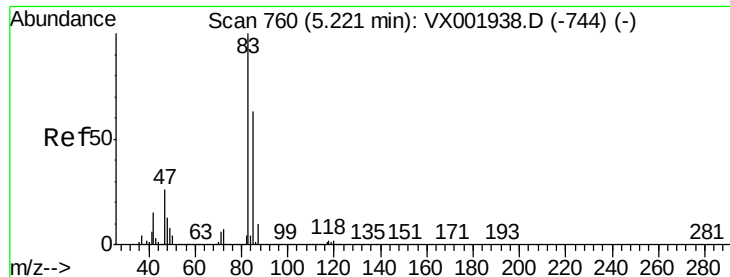


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

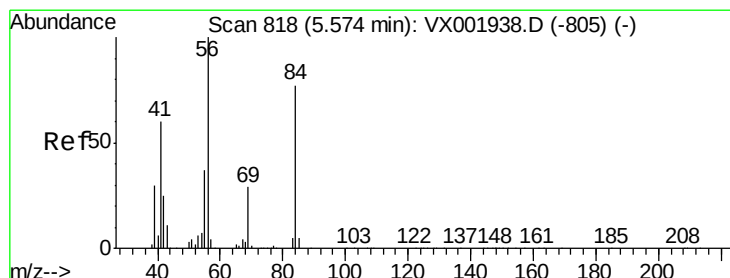
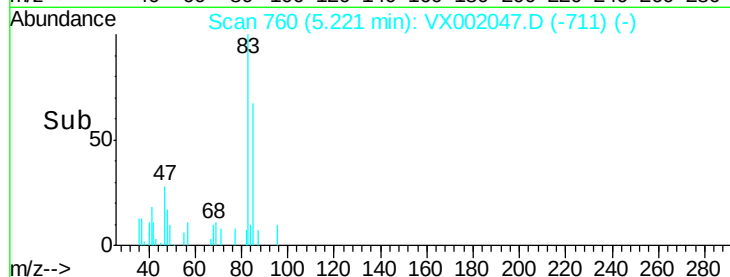
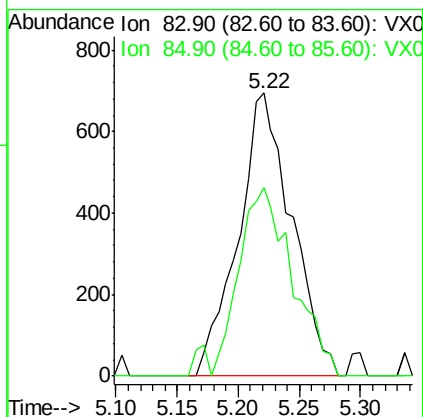
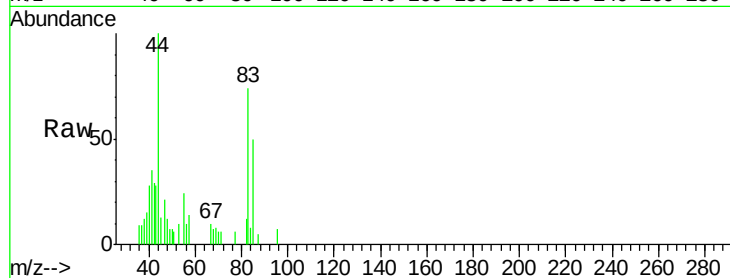




#30
Chloroform
Concen: 2.67 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

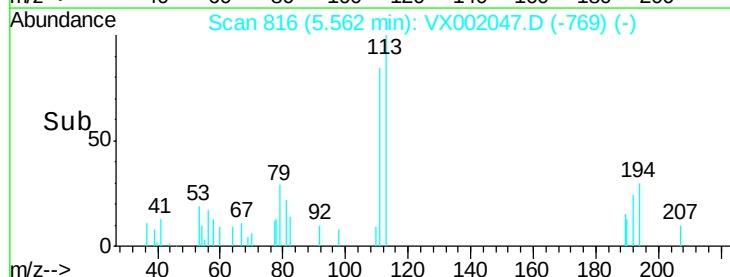
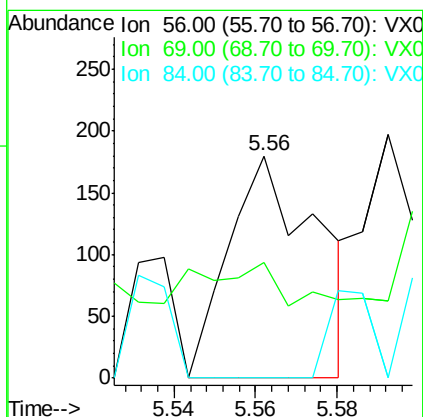
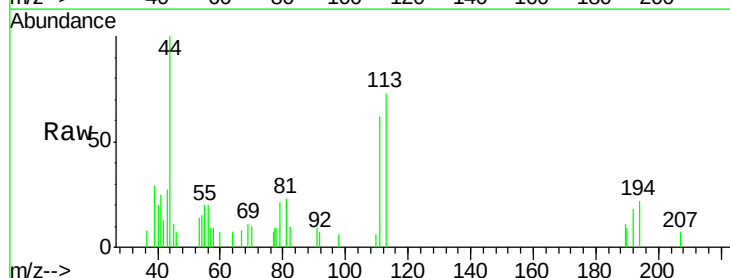
Instrument :
MSVOA_X
ClientSampleId :

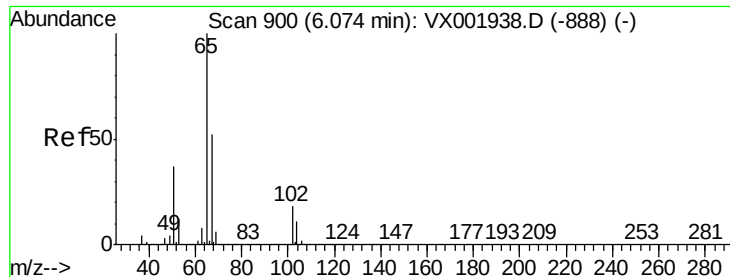
Tot Ion: 83 Resp: 2117
Ion Ratio Lower Upper
83 100
85 66.9 50.9 76.3



#31
Cyclohexane
Concen: 0.37 ug/l
RT: 5.56 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
69 17.2 23.1 34.7#
84 0.0 62.0 93.0#

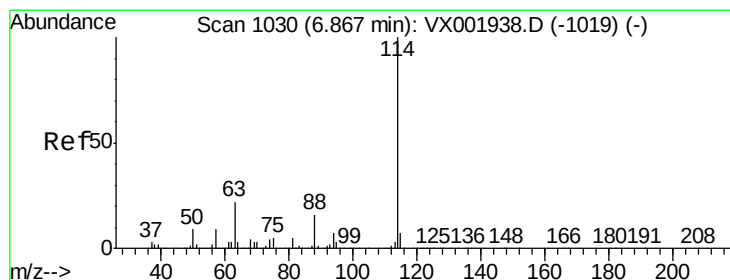
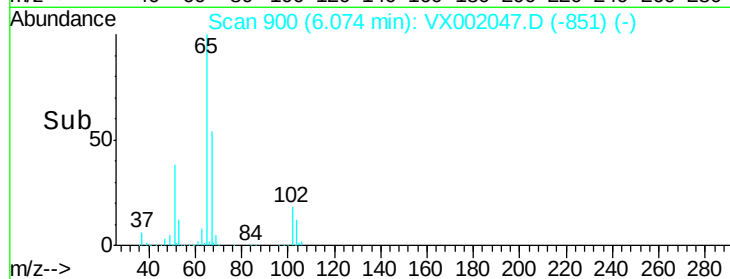
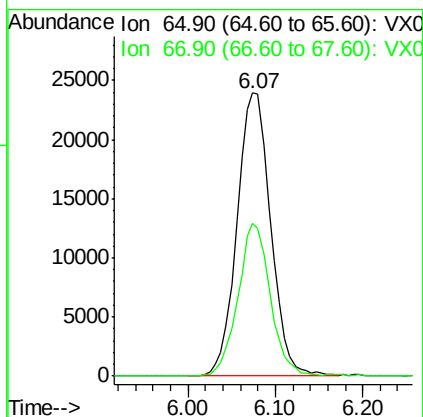
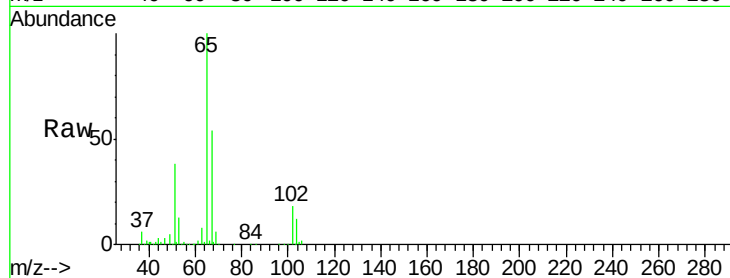




#33
 1,2-Dichloroethane-d4
 Concen: 120.88 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

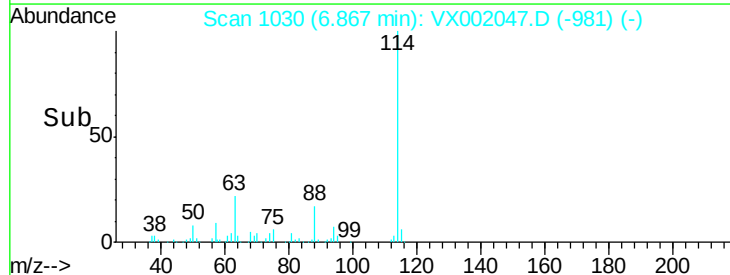
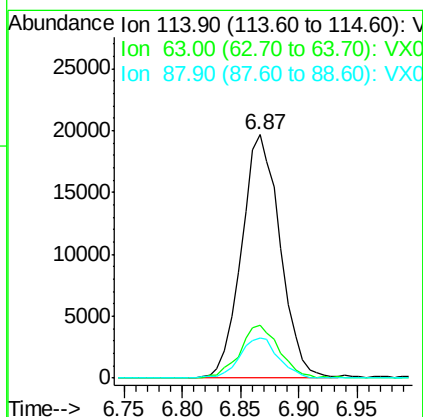
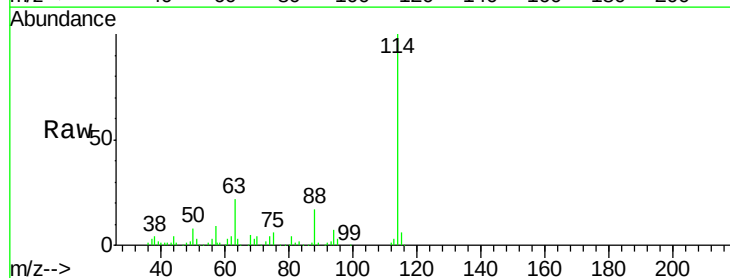
Instrument :
 MSVOA_X
 ClientSampleId :

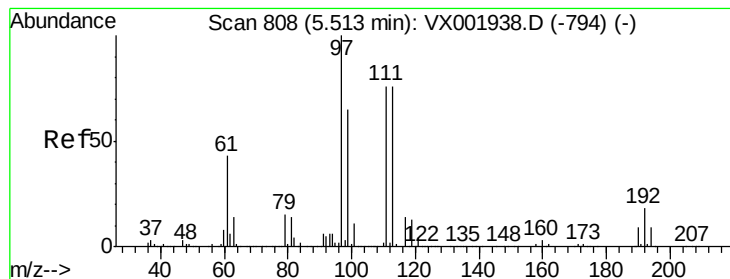
Tot Ion: 65 Resp: 64258
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

Tgt Ion: 114 Resp: 45426
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 105.03 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

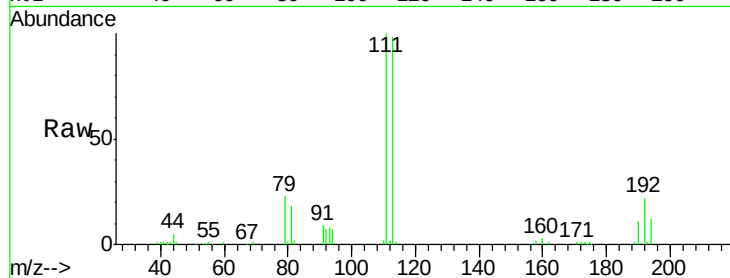
Tot Ion:113 Resp: 47710

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

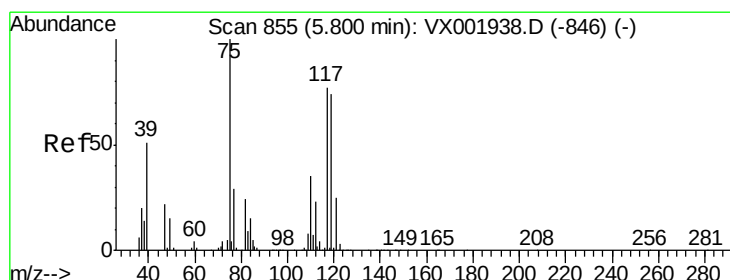
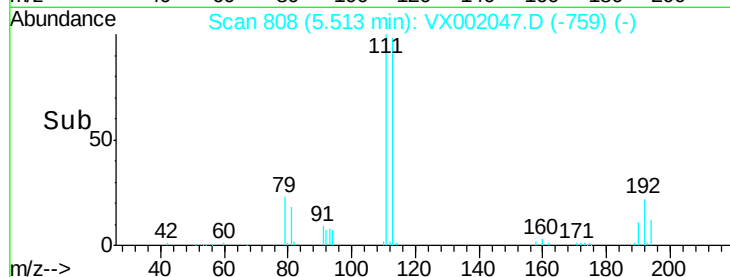
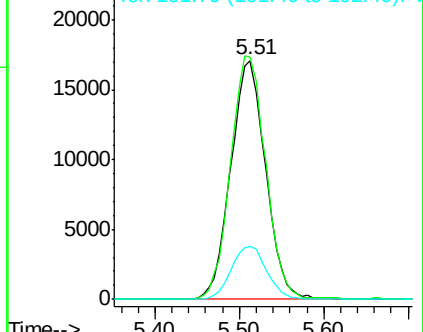
192 22.8 18.9 28.3



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: 0.29 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

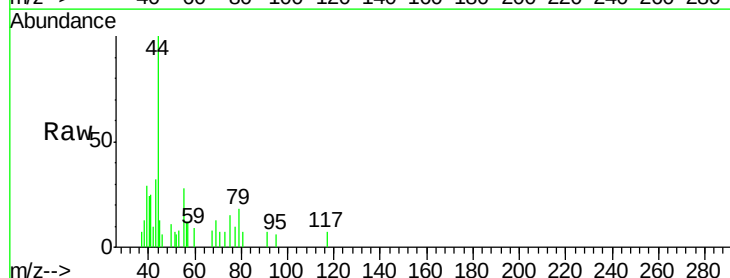
Tgt Ion: 75 Resp: 186

Ion Ratio Lower Upper

75 100

110 41.9 17.4 52.2

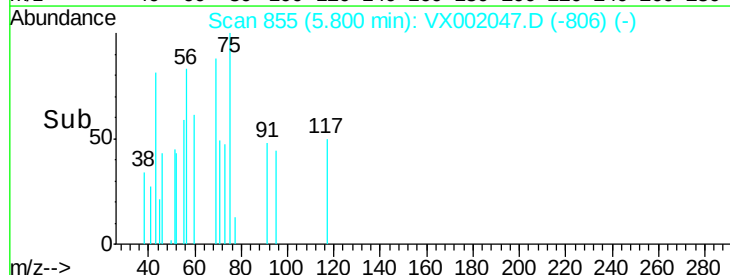
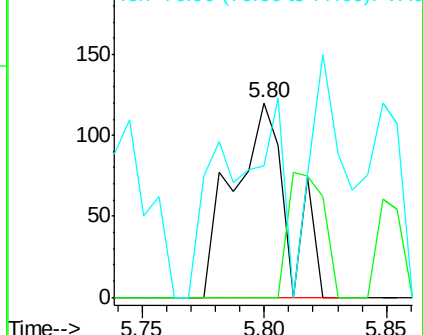
77 0.0 24.4 36.6#

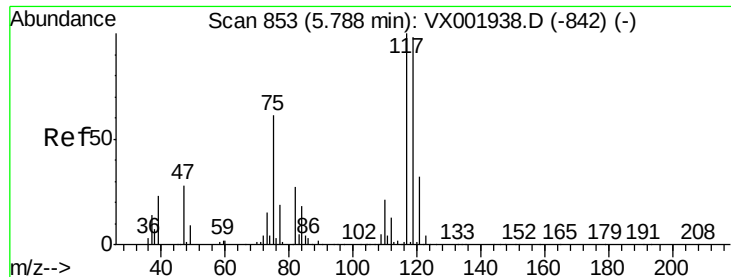


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

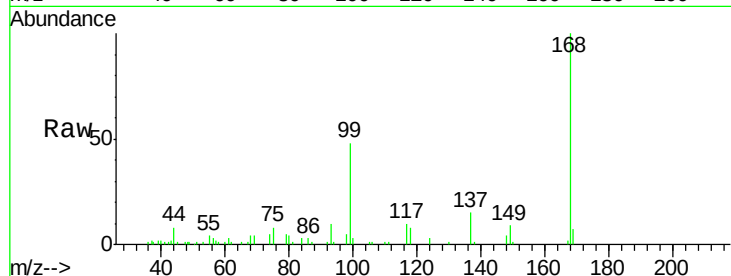
Tot Ion:117 Resp: 2824

Ion Ratio Lower Upper

117 100

119 0.0 78.5 117.7#

121 0.0 25.5 38.3#



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

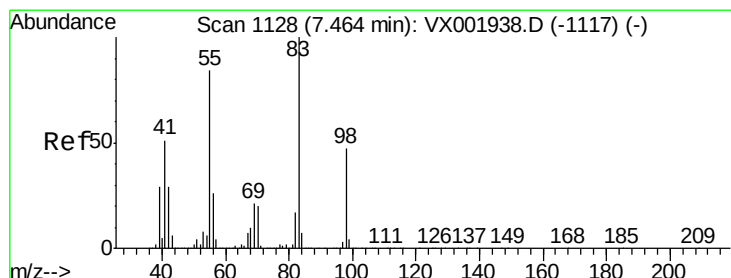
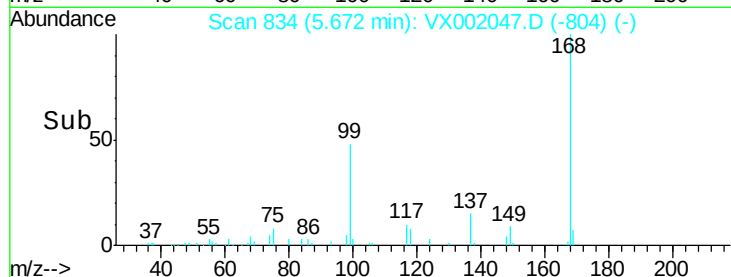
5.67

1000

500

0

Time-->



#39

Methylcyclohexane

Concen: 0.29 ug/l

RT: 7.44 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

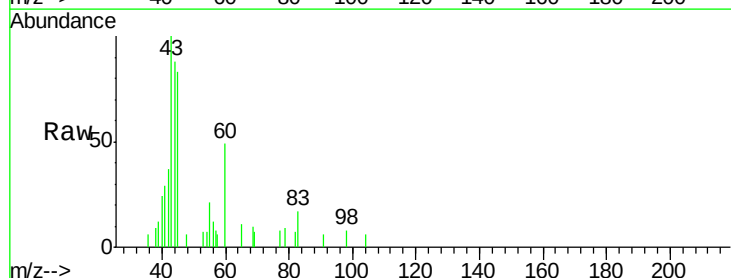
Tgt Ion: 83 Resp: 225

Ion Ratio Lower Upper

83 100

55 0.0 67.3 100.9#

98 46.8 37.5 56.3



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

300

250

200

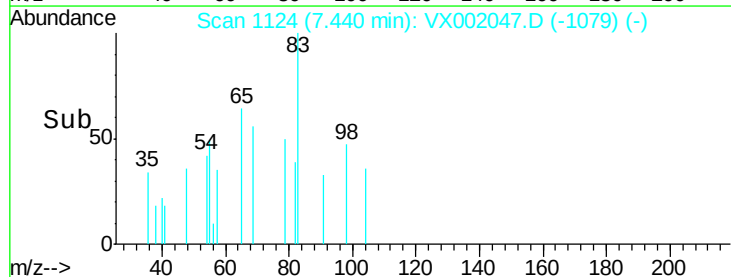
150

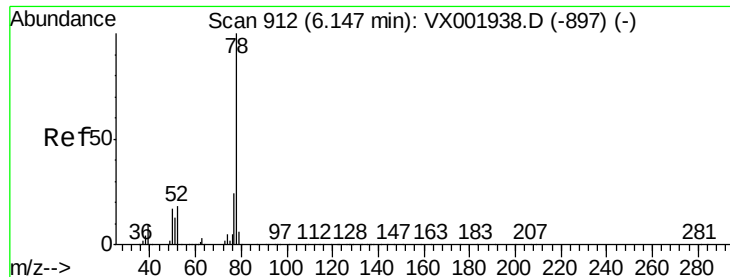
100

50

0

Time-->





#40

Benzene

Concen: 0.21 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

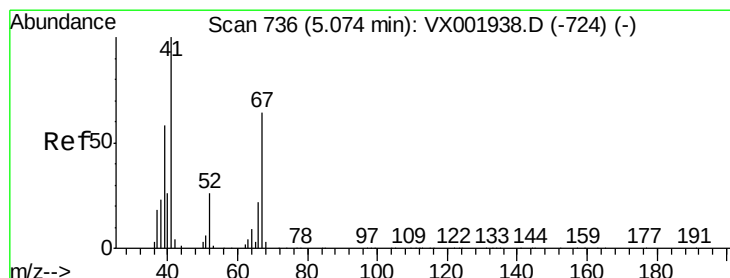
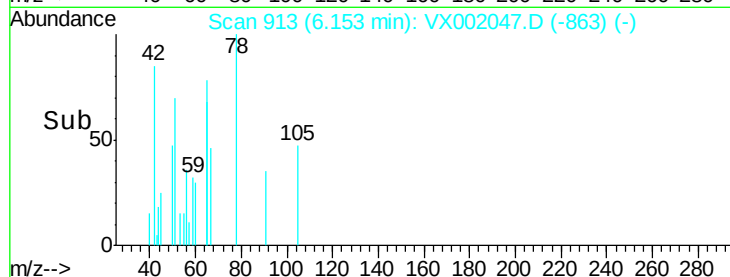
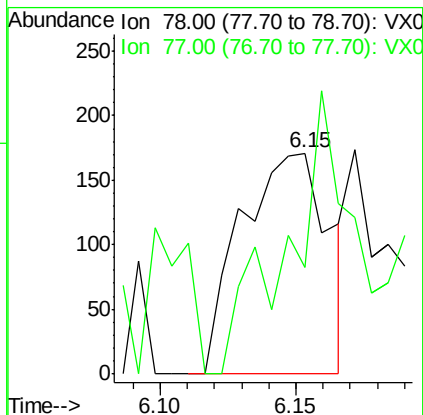
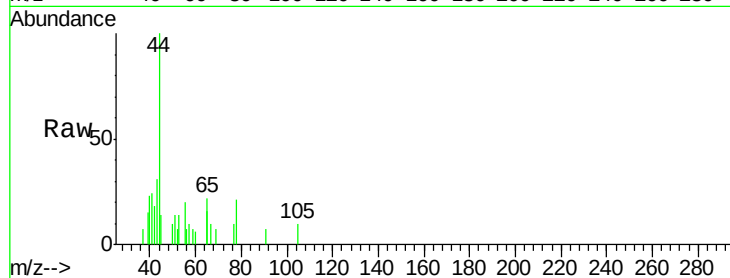
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 78 Resp: 382

Ion Ratio Lower Upper

78 100

77 0.0 19.1 28.7#



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.09 min Scan# 739

Delta R.T. 0.02 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Tgt Ion: 41 Resp: 154

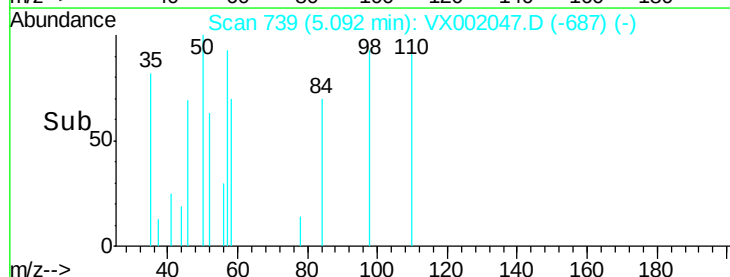
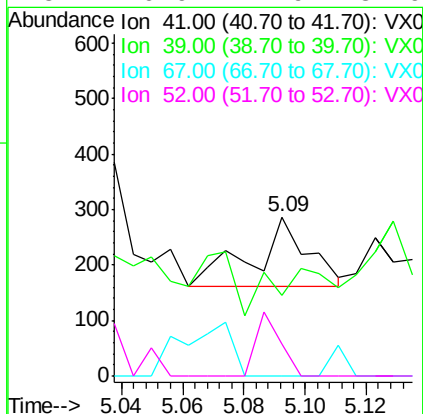
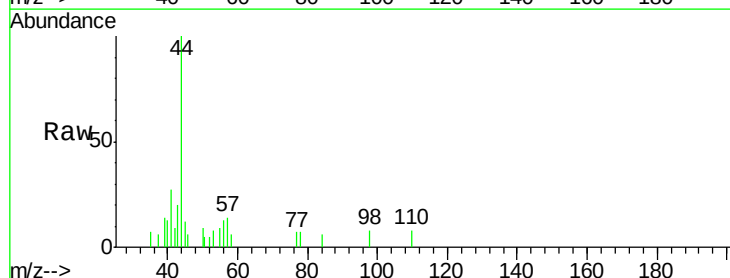
Ion Ratio Lower Upper

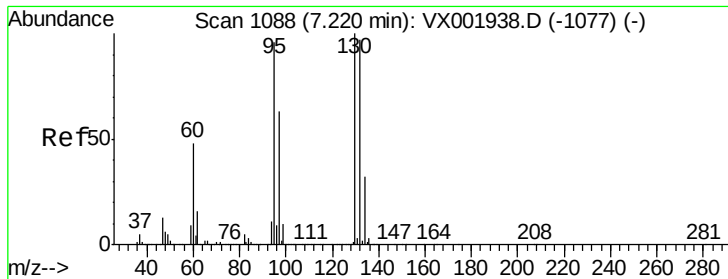
41 100

39 78.6 46.0 69.0#

67 0.0 50.6 75.8#

52 40.9 21.9 32.9#





#44

Trichloroethene

Concen: 0.32 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

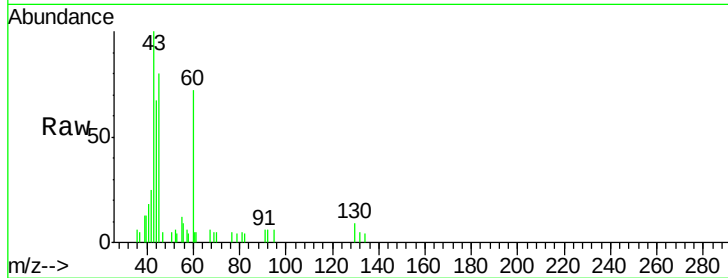
ClientSampled :

Tot Ion:130 Resp: 172

Ion Ratio Lower Upper

130 100

95 71.0 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

150

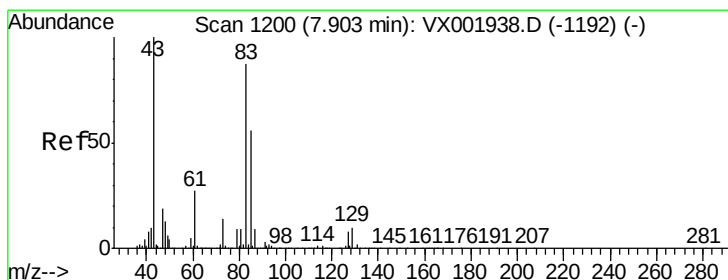
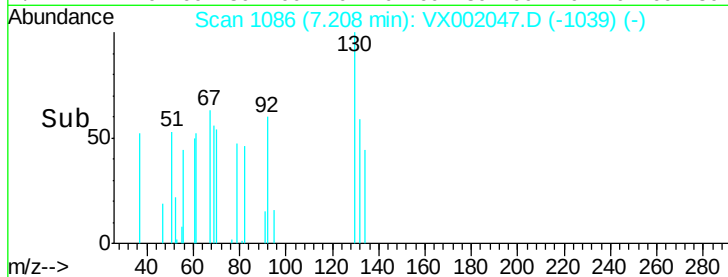
100

50

0

7.18 7.20 7.22 7.24

Time-->



#47

Bromodichloromethane

Concen: 0.96 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

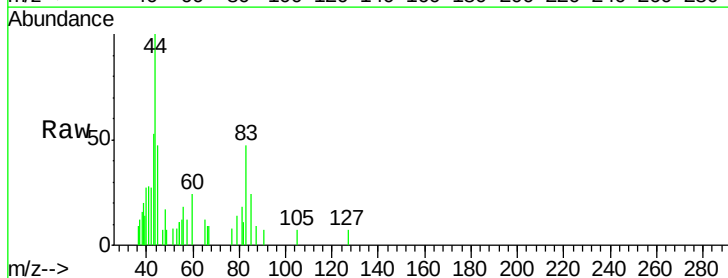
Tgt Ion: 83 Resp: 684

Ion Ratio Lower Upper

83 100

85 50.1 51.4 77.2#

127 14.6 7.1 10.7#



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

400

300

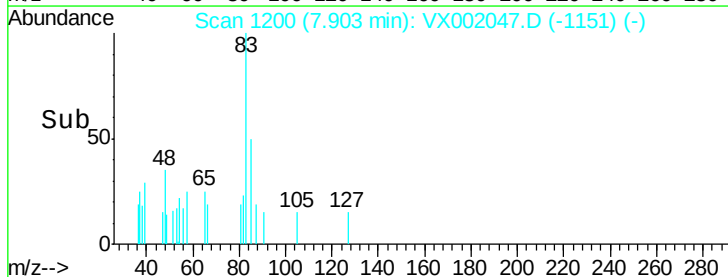
200

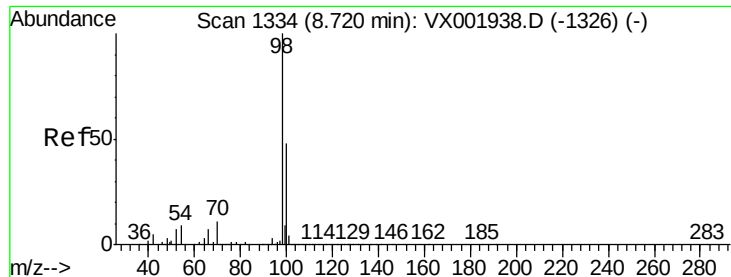
100

0

7.85 7.90 7.95

Time-->

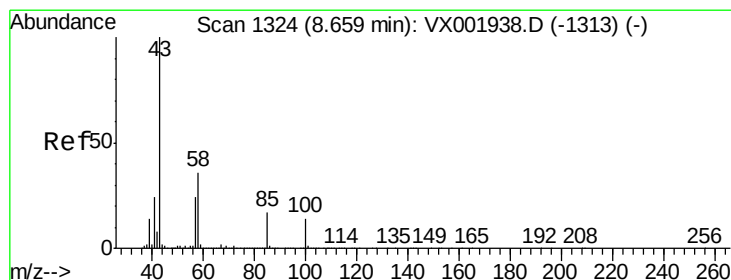
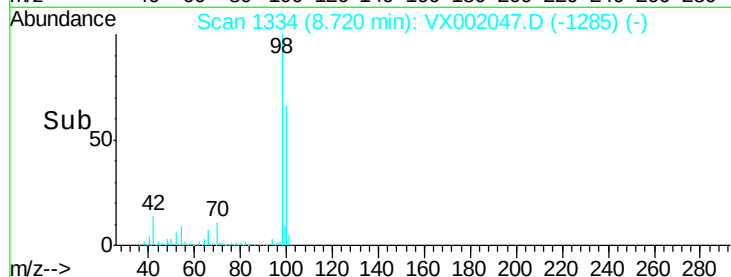
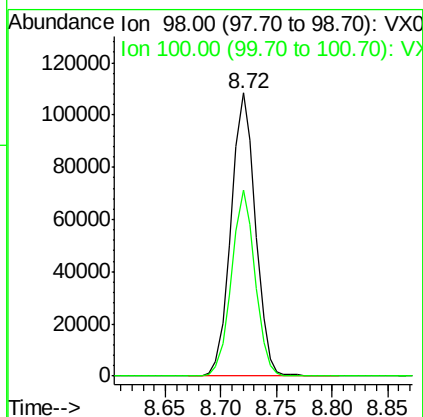
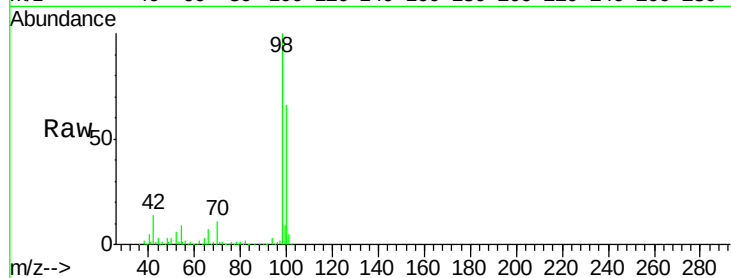




#50
Toluene-d8
Concen: 100.38 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

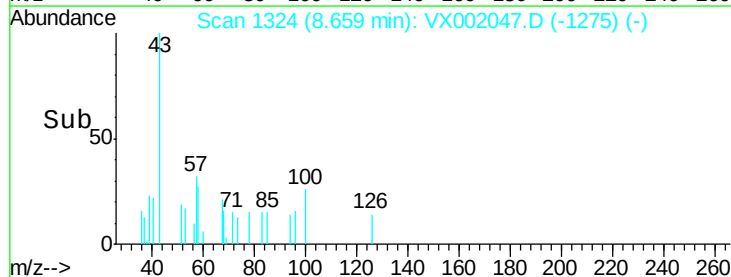
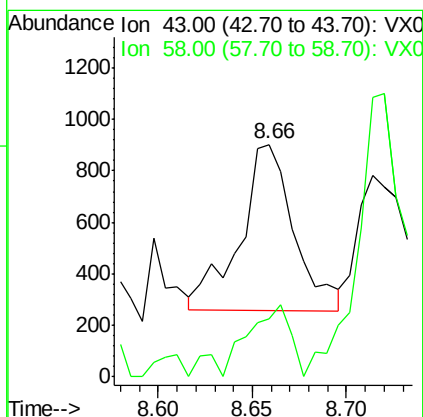
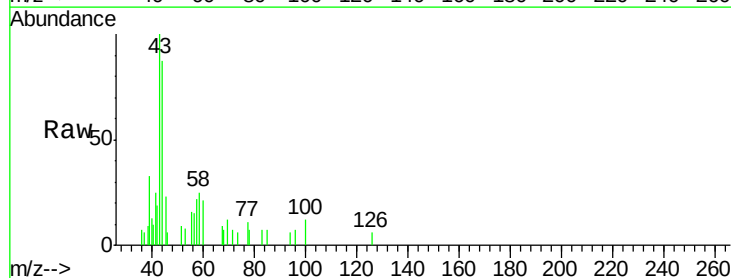
Instrument :
MSVOA_X
ClientSampled :

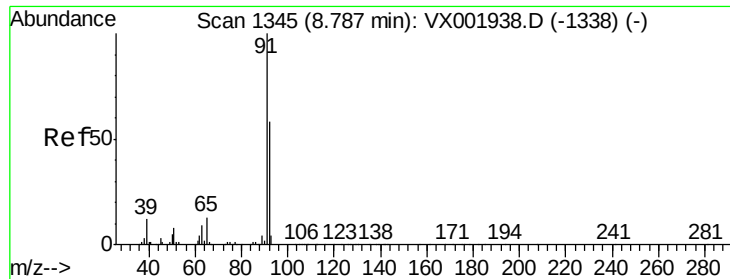
Tot Ion: 98 Resp: 165078
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 38.0 28.5 42.7





#52

Toluene

Concen: 0.32 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

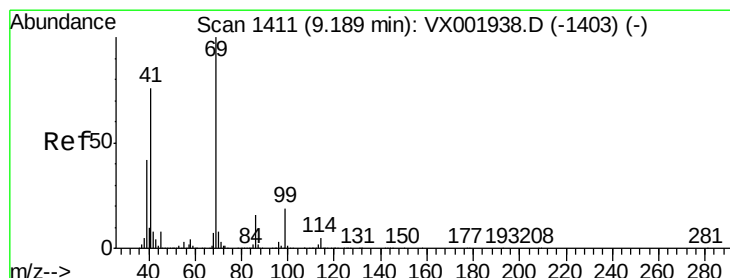
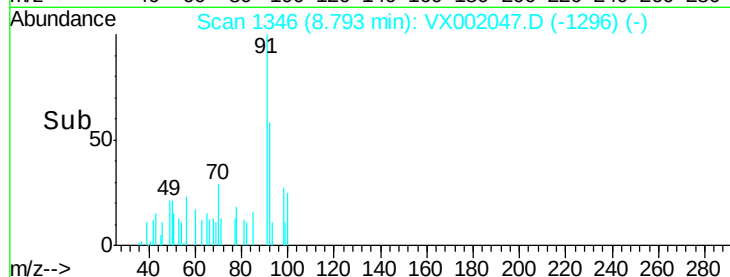
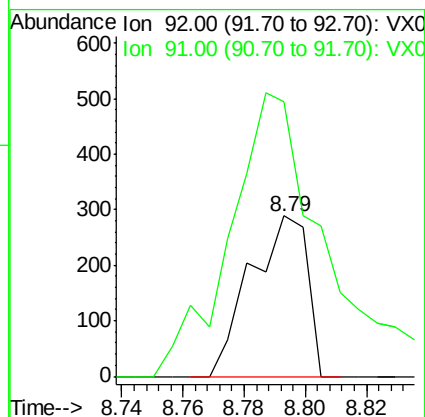
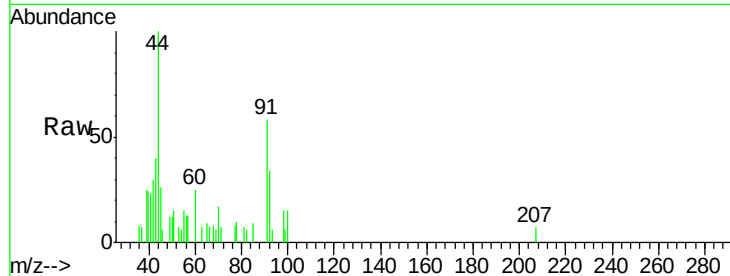
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 372

Ion Ratio Lower Upper

92 100

91 308.9 139.4 209.2#



#56

Ethyl methacrylate

Concen: 0.45 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

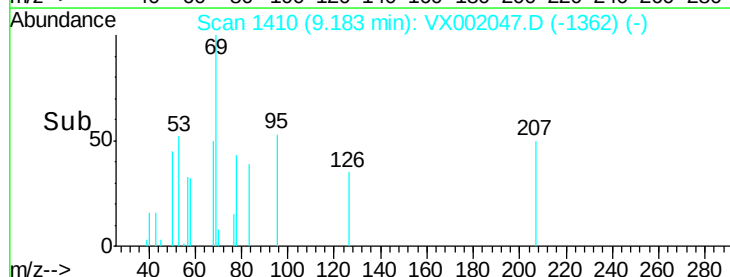
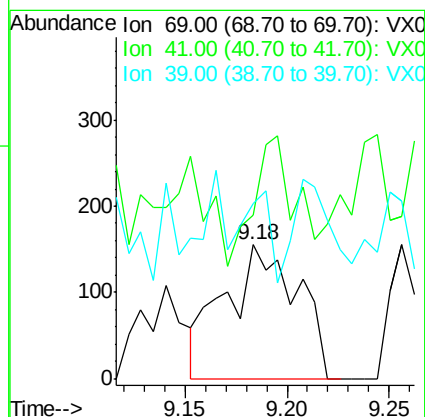
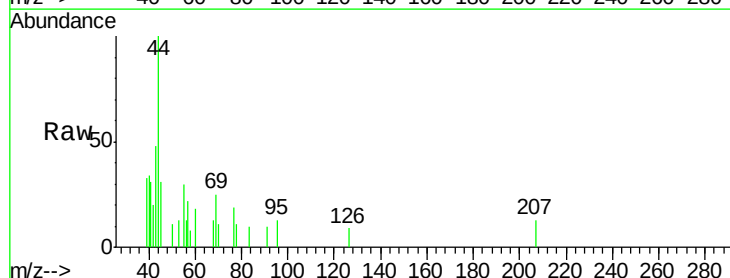
Tgt Ion: 69 Resp: 385

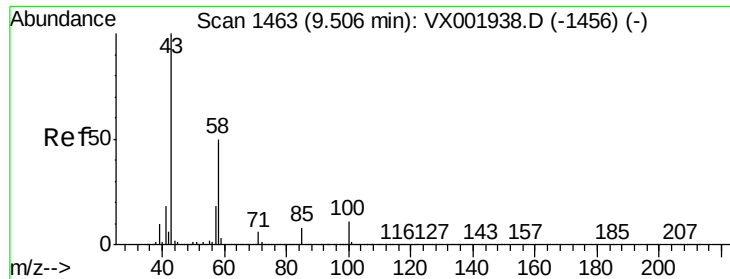
Ion Ratio Lower Upper

69 100

41 54.5 61.0 91.6#

39 19.0 34.4 51.6#

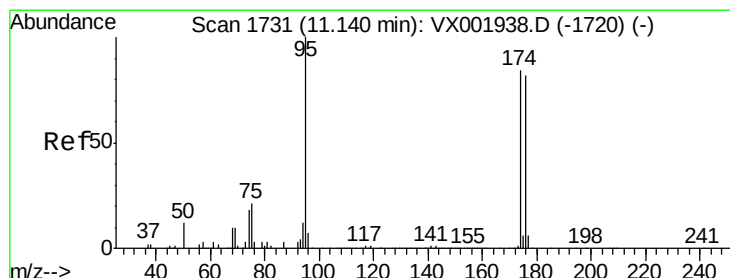
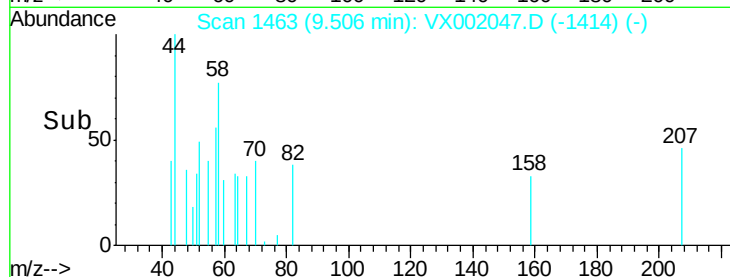
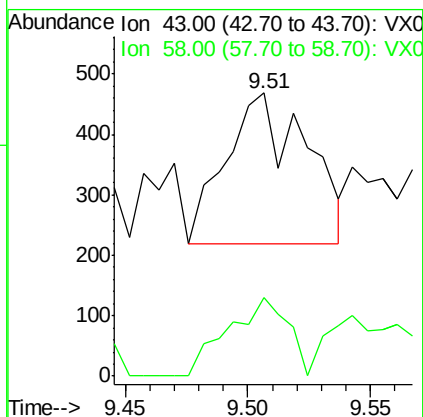
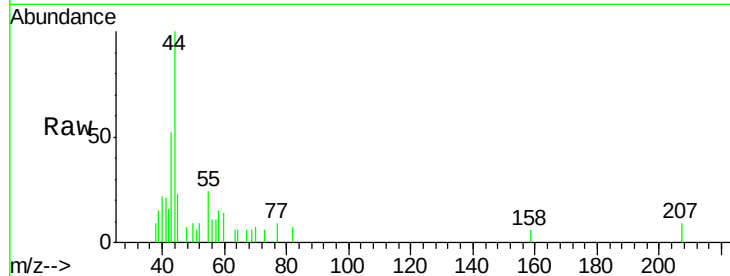




#59
2-Hexanone
Concen: 0.89 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

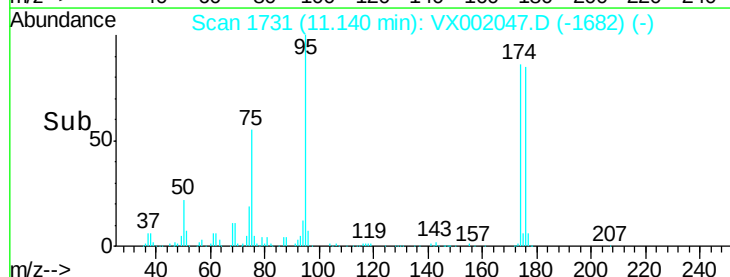
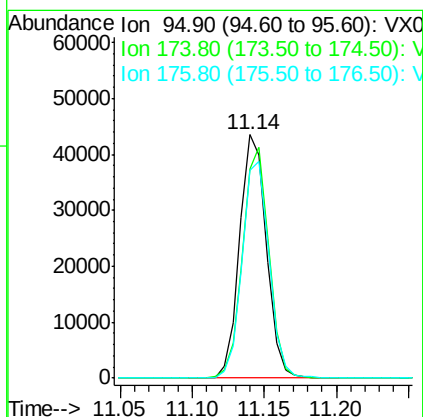
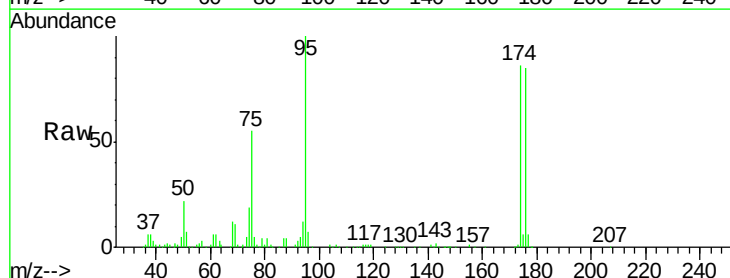
Instrument :
MSVOA_X
ClientSampleId :

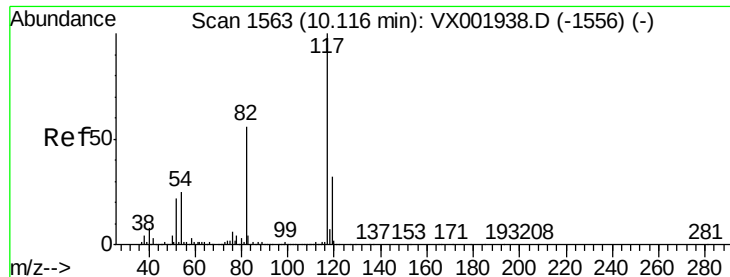
Tot Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 39.2 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 87.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 95 Resp: 56400
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.8
176 89.1 0.0 175.6

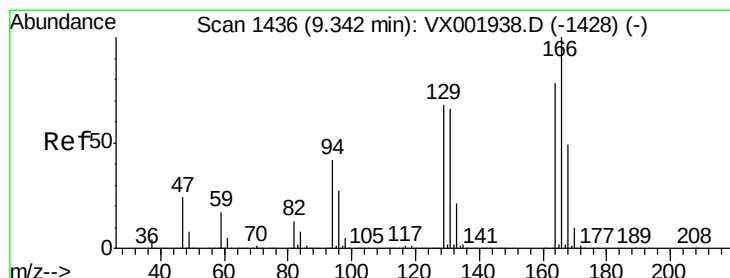
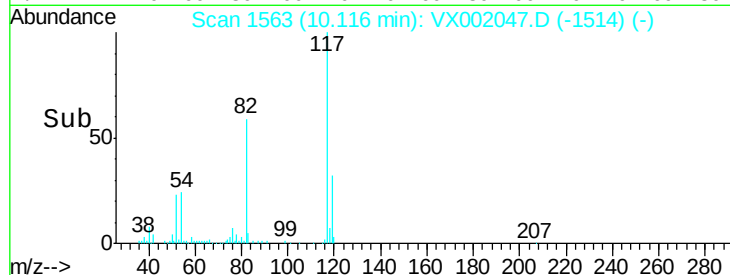
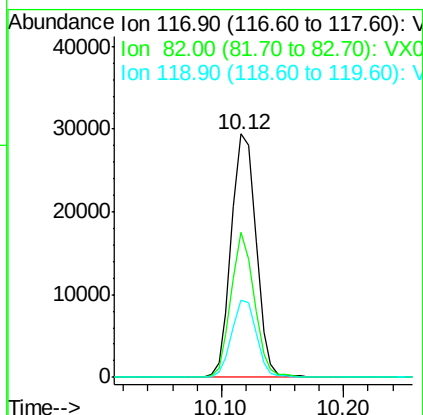
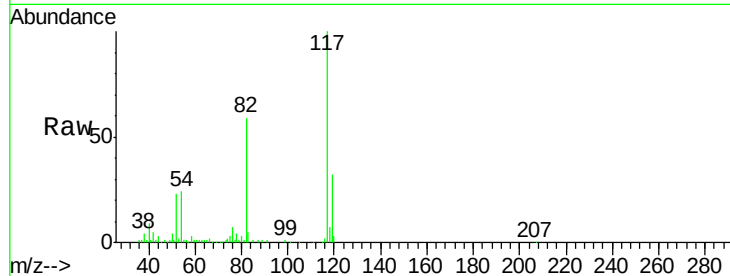




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

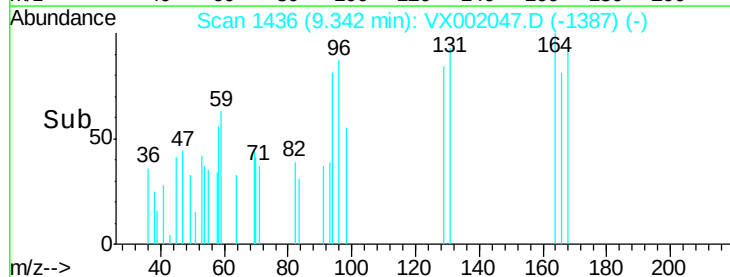
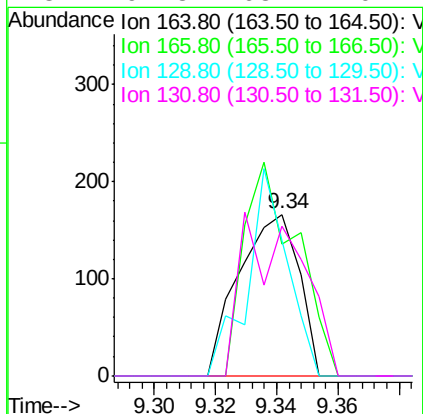
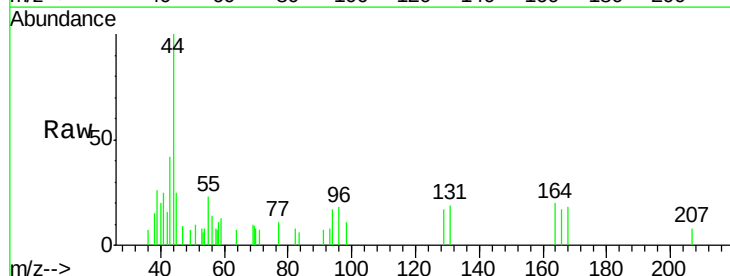
Instrument :
MSVOA_X
ClientSampleId :

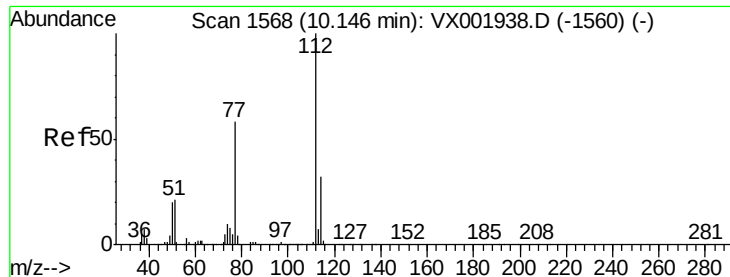
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	44.8	67.2
119	31.6	25.5	38.3



#64
Tetrachloroethene
Concen: 0.38 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	81.3	102.7	154.1#
129	83.7	70.3	105.5
131	92.8	68.2	102.4

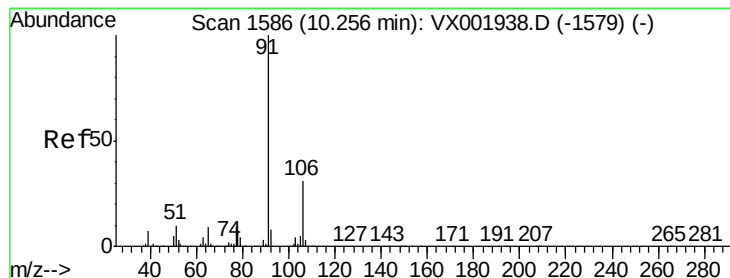
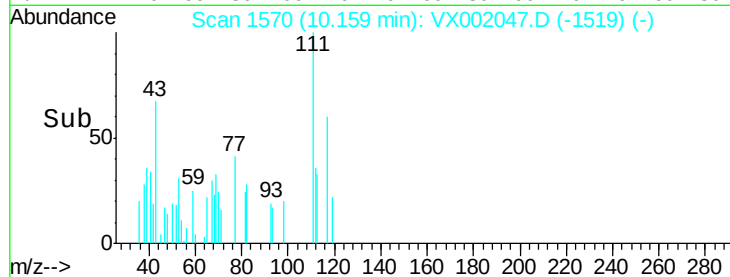
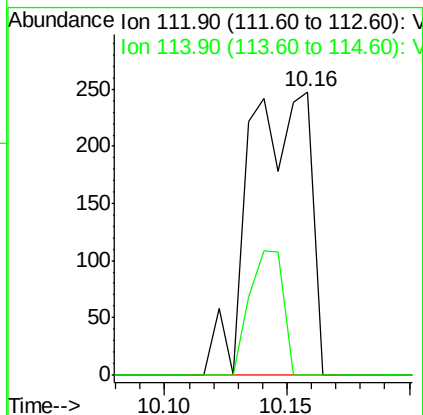
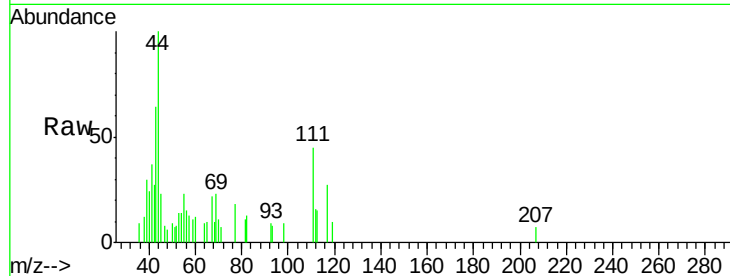




#65
Chlorobenzene
Concen: 0.33 ug/l
RT: 10.16 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

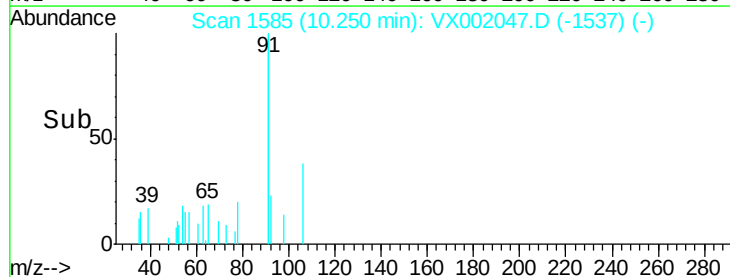
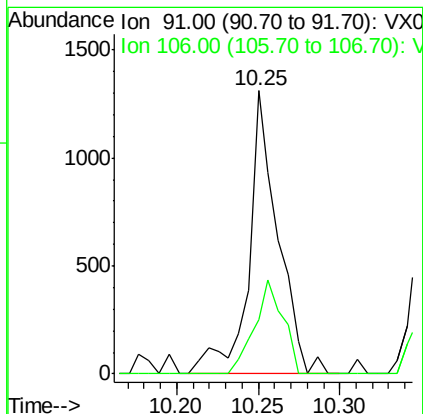
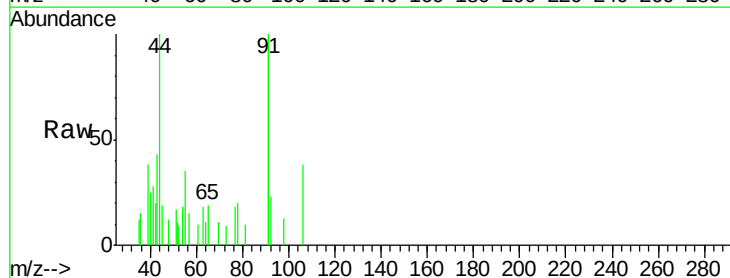
Instrument :
MSVOA_X
ClientSampled :

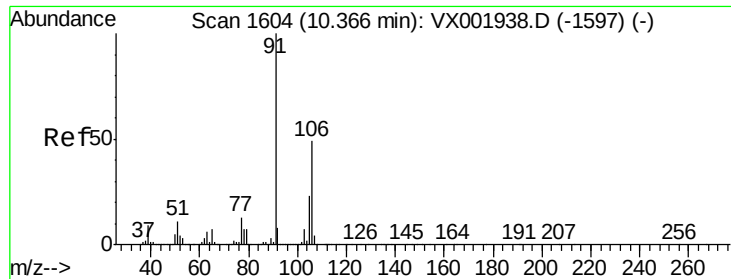
Tot Ion:112 Resp: 434
Ion Ratio Lower Upper
112 100
114 0.0 25.9 38.9#



#67
Ethyl Benzene
Concen: 0.72 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 91 Resp: 1640
Ion Ratio Lower Upper
91 100
106 19.3 25.0 37.6#

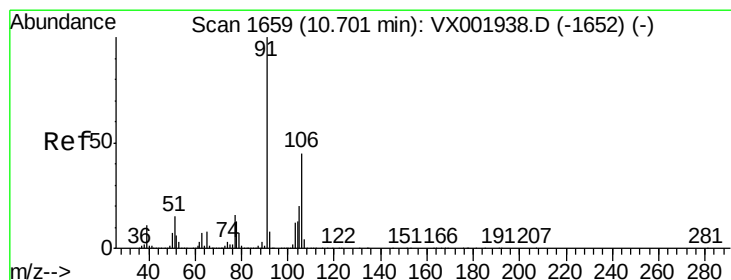
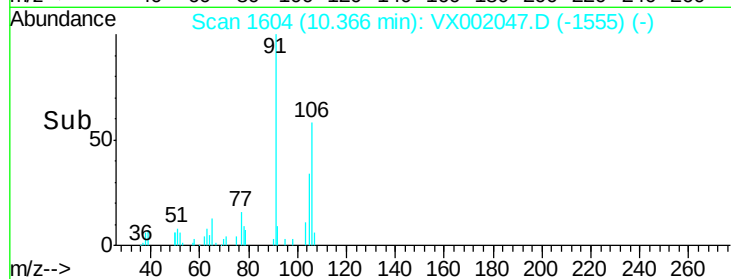
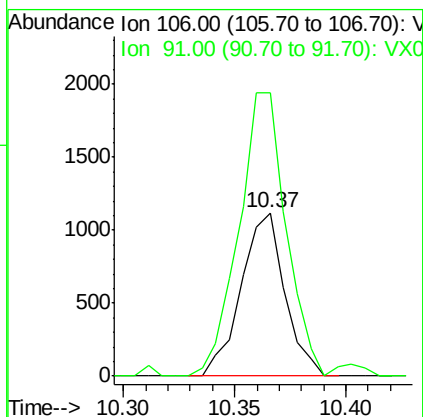
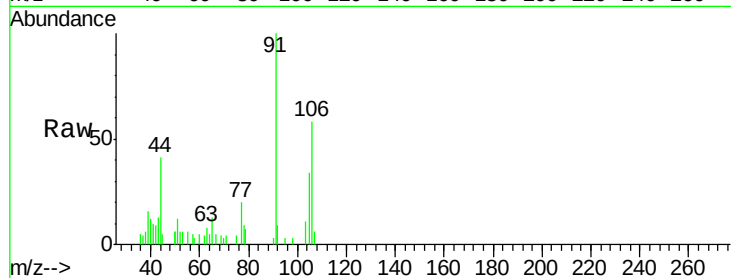




#68
m/p-Xylenes
Concen: 1.76 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

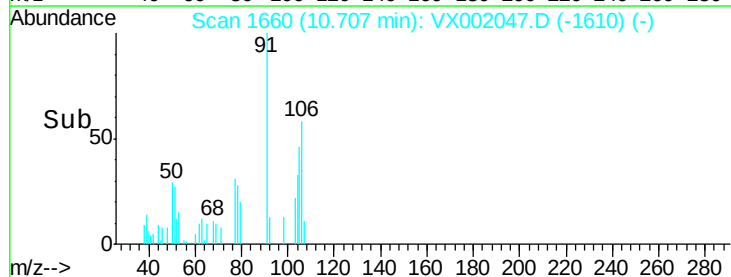
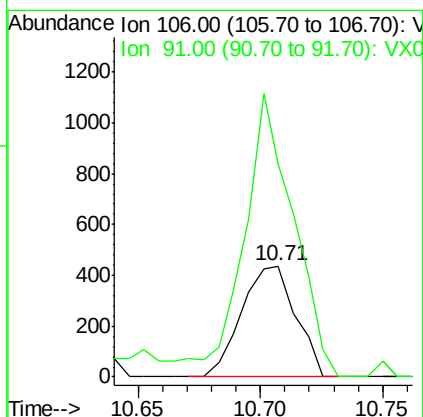
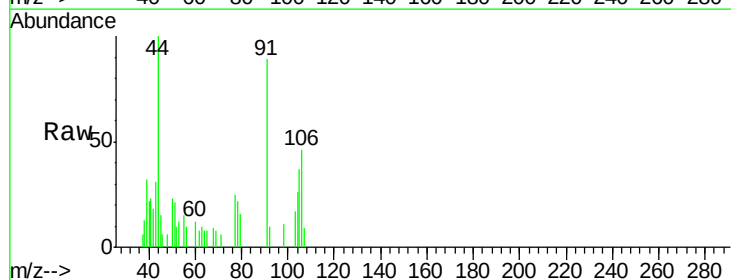
Instrument :
MSVOA_X
ClientSampleId :

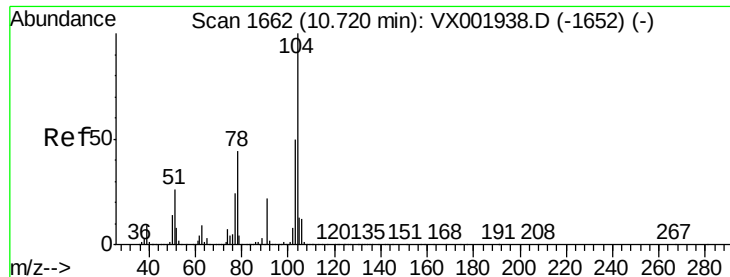
Tot Ion:106 Resp: 1531
Ion Ratio Lower Upper
106 100
91 189.9 165.0 247.6



#69
o-Xylene
Concen: 0.77 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion:106 Resp: 669
Ion Ratio Lower Upper
106 100
91 235.7 108.7 325.9





#70

Stvrene

Concen: 0.34 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

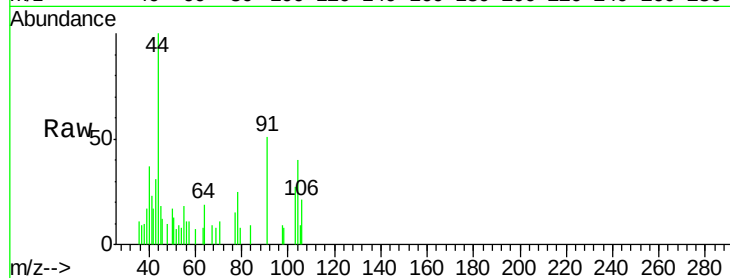
Tot Ion:104 Resp: 495

Ion Ratio Lower Upper

104 100

78 89.3 41.8 62.6#

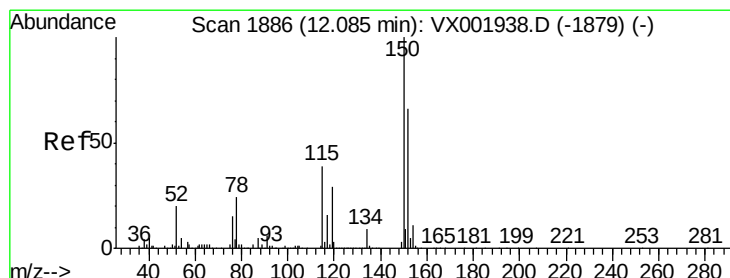
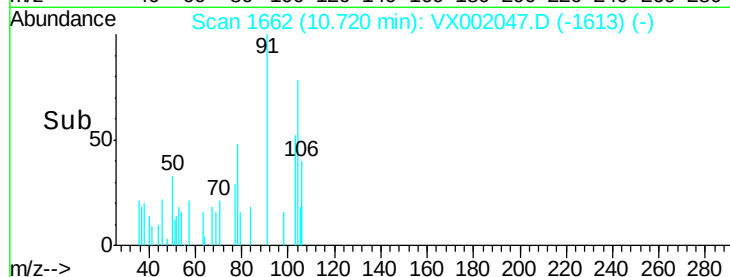
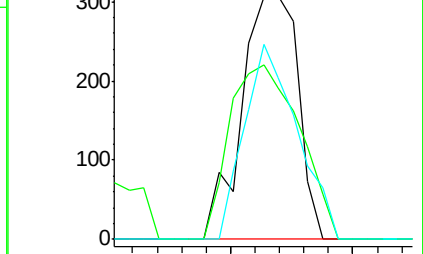
103 74.9 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

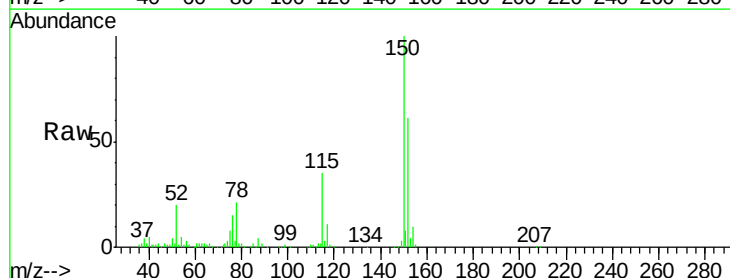
Tgt Ion:152 Resp: 19933

Ion Ratio Lower Upper

152 100

115 57.9 42.3 126.8

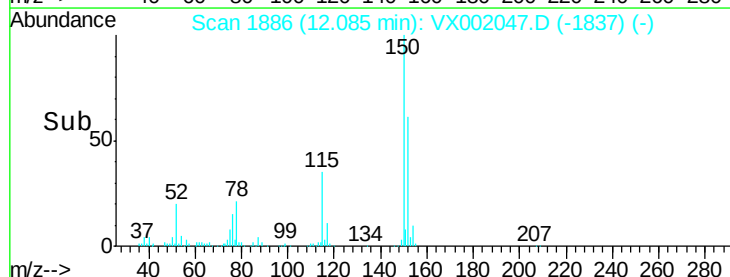
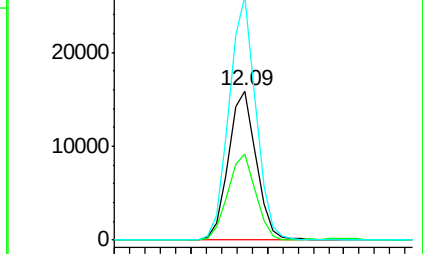
150 157.6 0.0 351.0

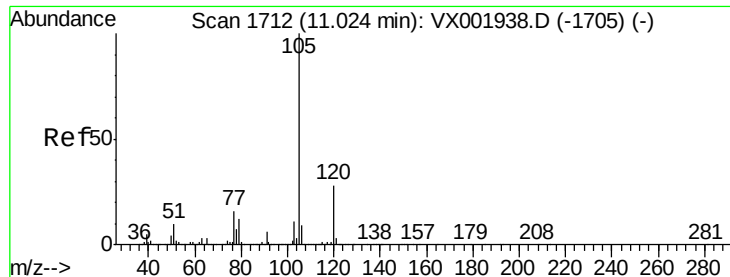


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

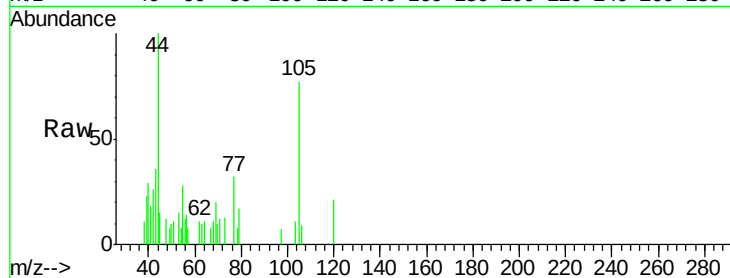
ClientSampleId :

Tot Ion:105 Resp: 647

Ion Ratio Lower Upper

105 100

120 23.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

600

500

400

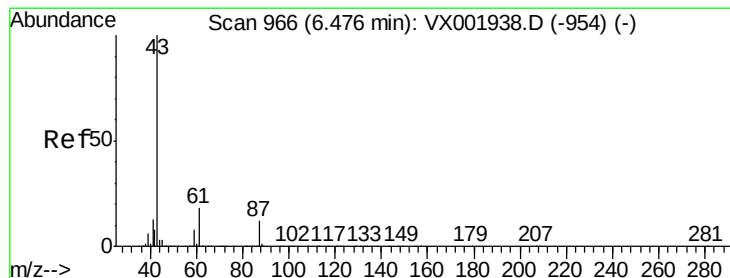
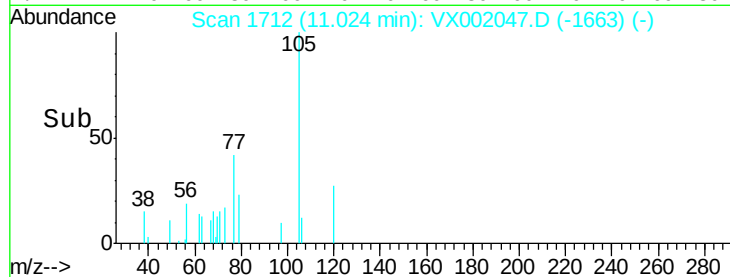
300

200

100

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.50 min Scan# 970

Delta R.T. 0.02 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Tgt Ion: 43 Resp: 109

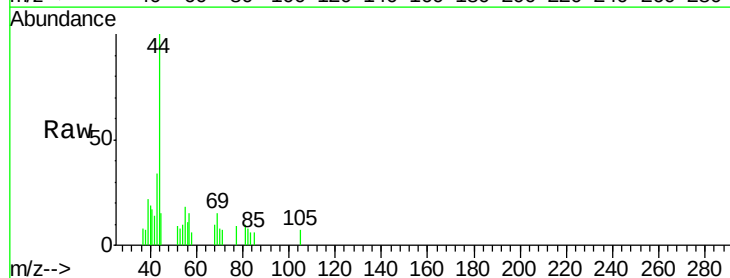
Ion Ratio Lower Upper

43 100

70 68.8 0.1 0.1#

55 56.0 0.1 0.1#

61 0.0 14.5 21.7#



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

400

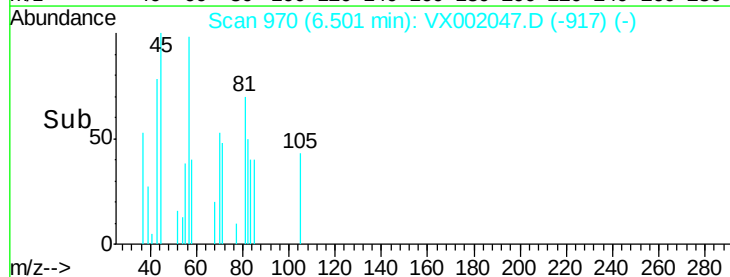
300

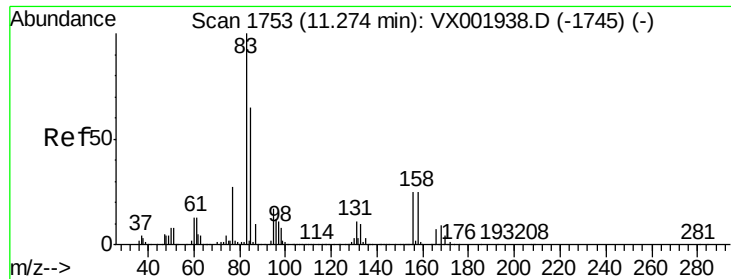
200

100

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

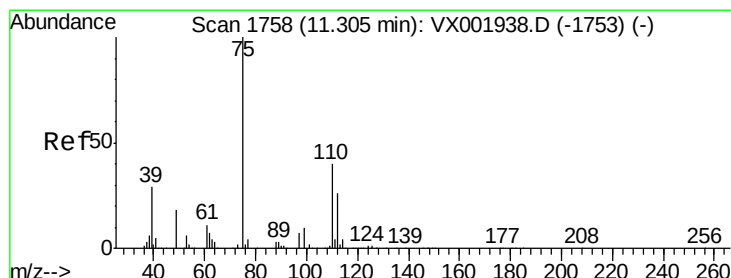
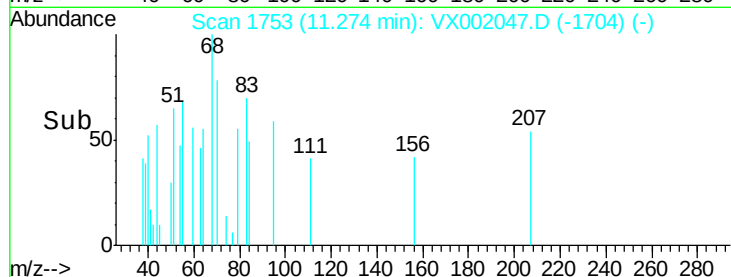
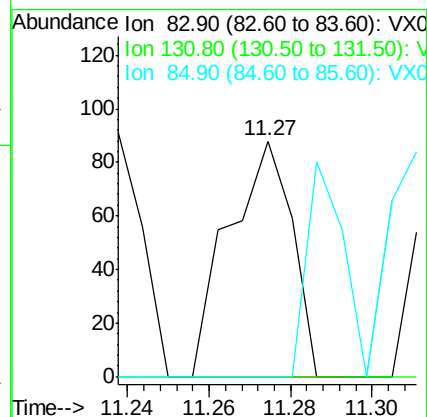
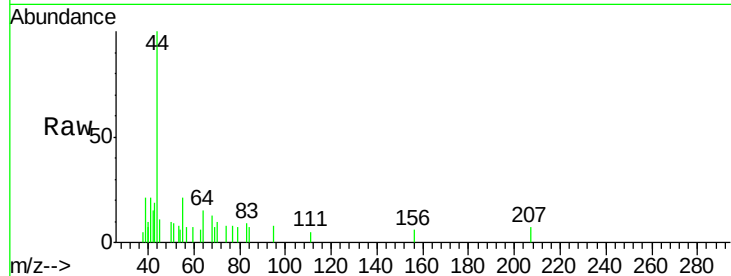
Tot Ion: 83 Resp: 95

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 51.6 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 63.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002047.D

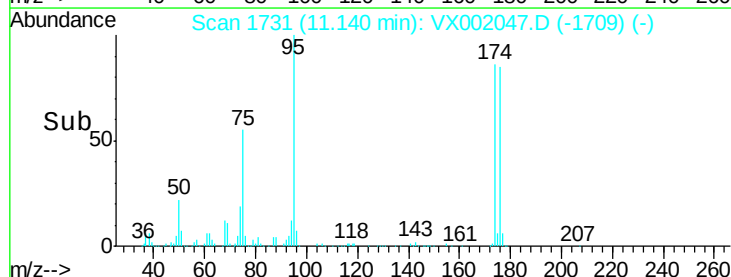
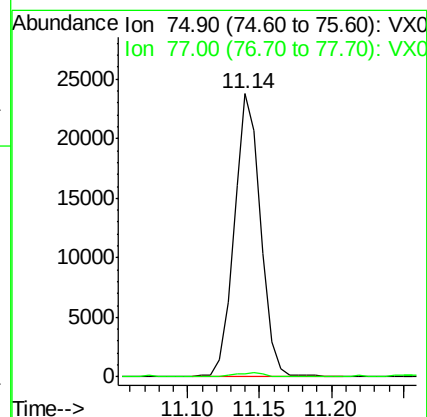
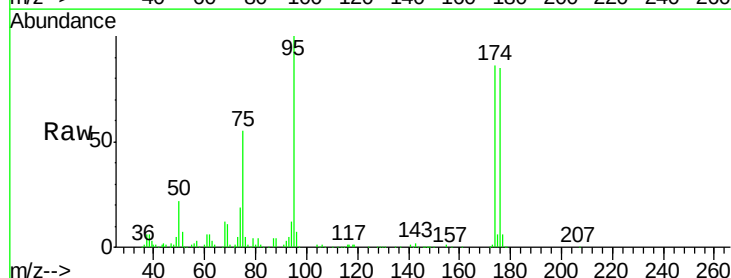
Acq: 27 May 2018 04:44

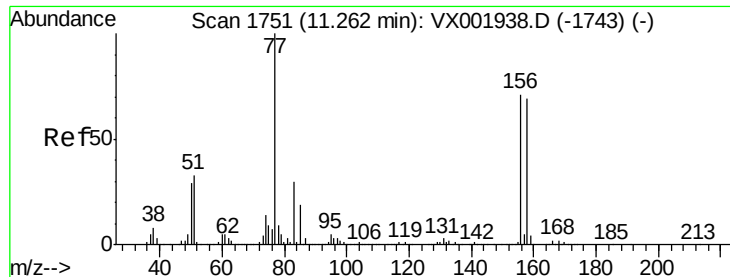
Tgt Ion: 75 Resp: 30415

Ion Ratio Lower Upper

75 100

77 1.8 22.8 68.3#





#77

Bromobenzene

Concen: 0.29 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

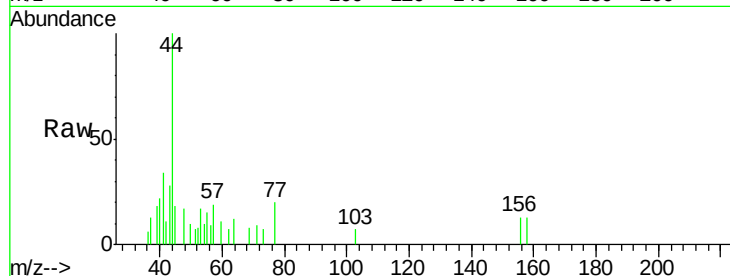
Tot Ion:156 Resp: 128

Ion Ratio Lower Upper

156 100

77 325.0 75.2 225.6#

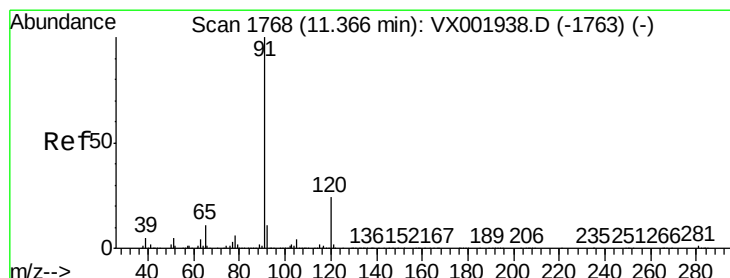
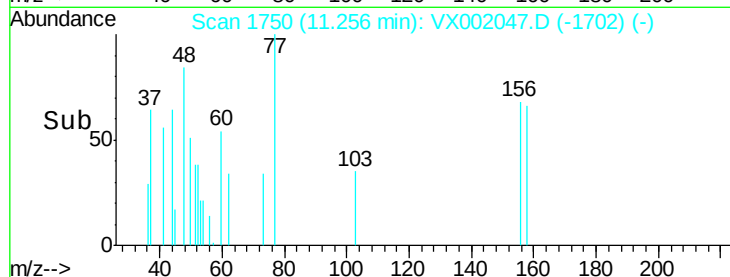
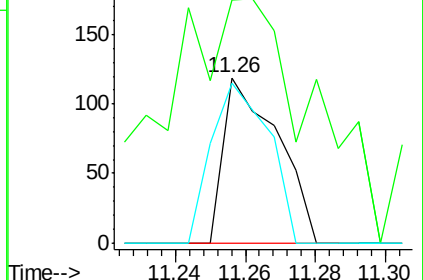
158 102.3 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.80 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002047.D

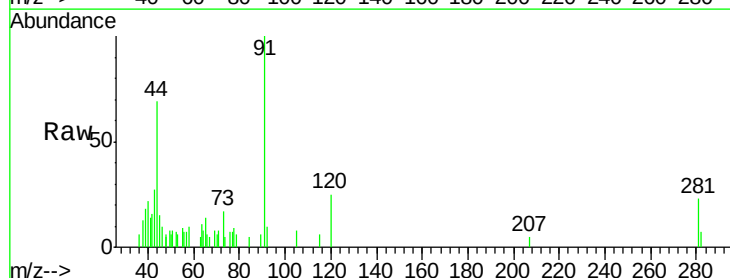
Acq: 27 May 2018 04:44

Tgt Ion: 91 Resp: 1509

Ion Ratio Lower Upper

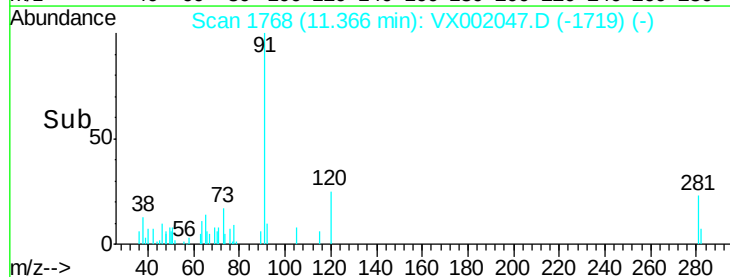
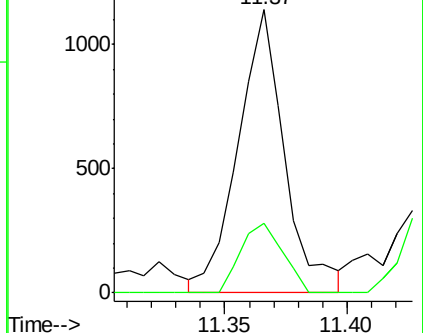
91 100

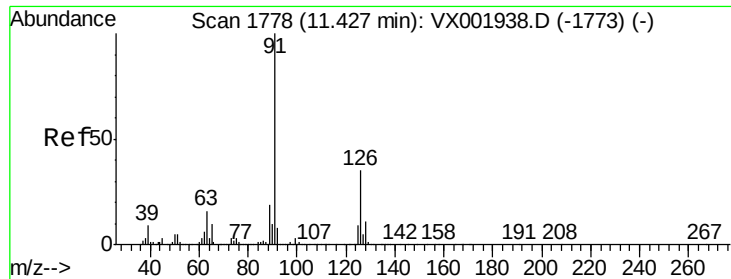
120 22.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

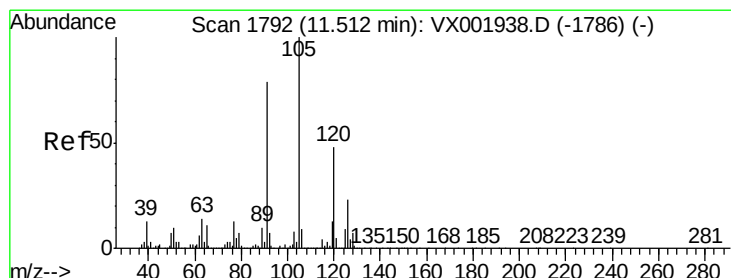
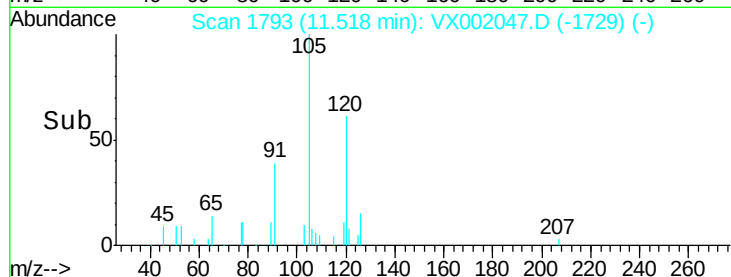
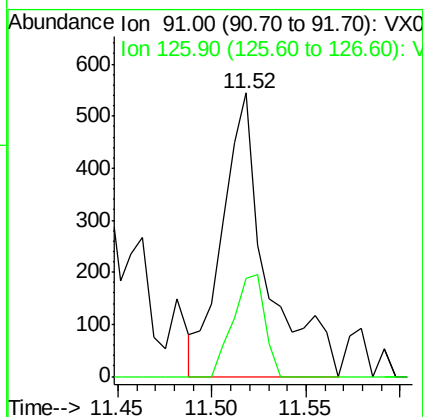
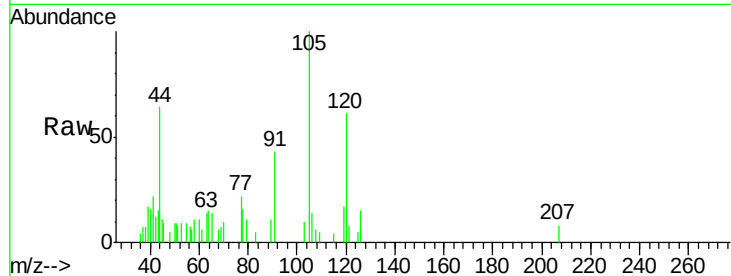




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.52 min Scan# 1793
Delta R.T. 0.09 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

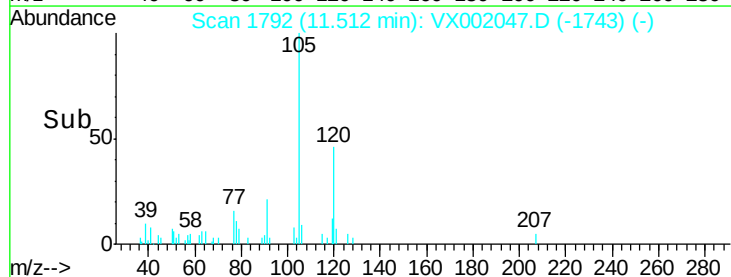
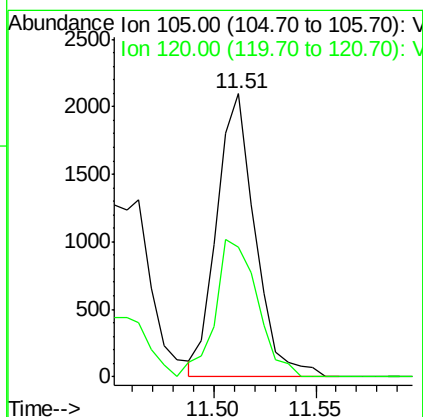
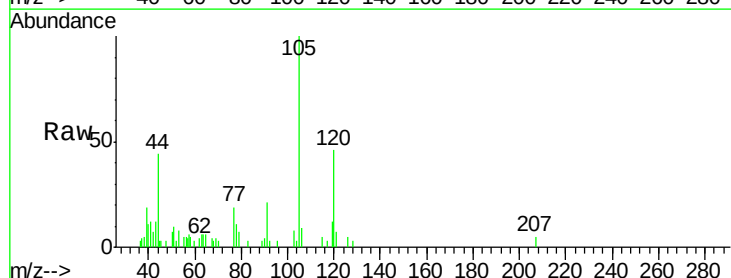
Instrument :
MSVOA_X
ClientSampleId :

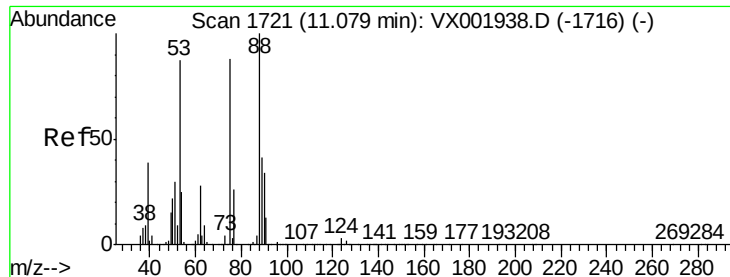
Tot Ion: 91 Resp: 889
Ion Ratio Lower Upper
91 100
126 25.4 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 1.90 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 105 Resp: 2739
Ion Ratio Lower Upper
105 100
120 53.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 152.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

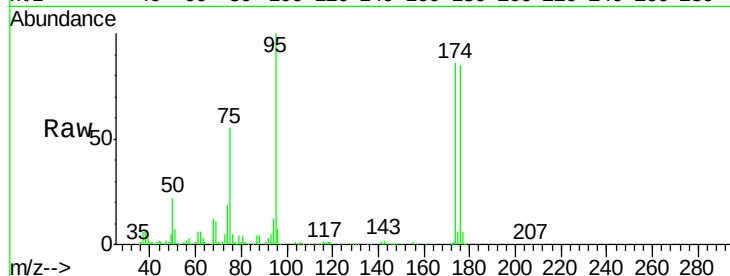
Tot Ion: 75 Resp: 30415

Ion Ratio Lower Upper

75 100

53 0.4 78.0 117.0#

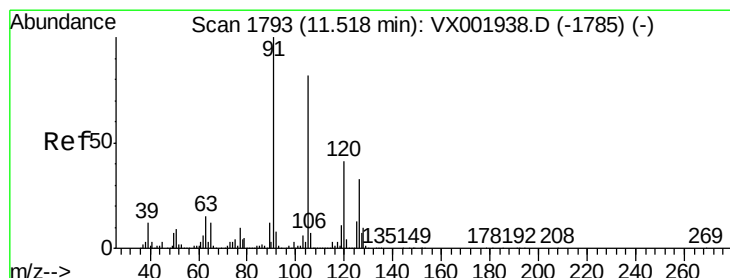
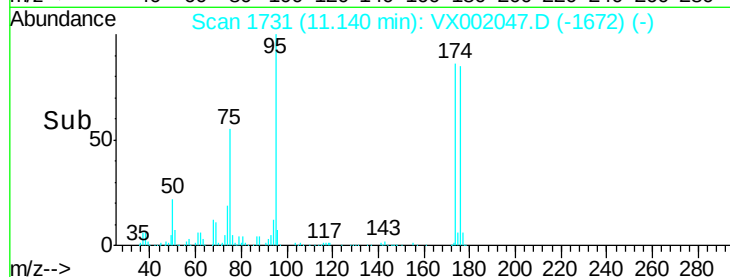
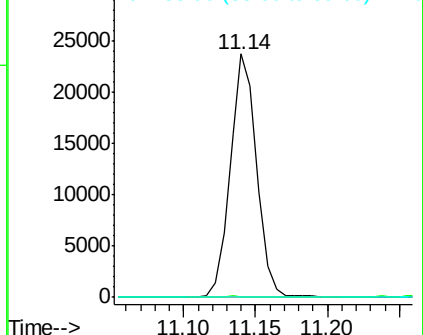
89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.67 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX002047.D

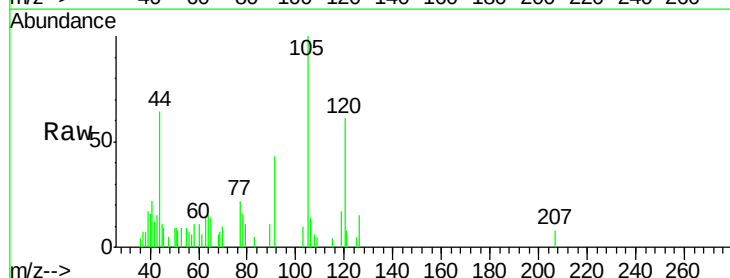
Acq: 27 May 2018 04:44

Tgt Ion: 91 Resp: 889

Ion Ratio Lower Upper

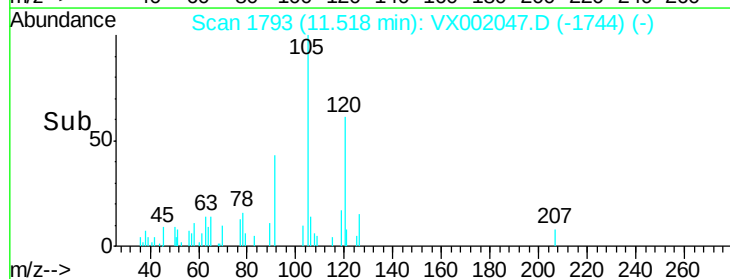
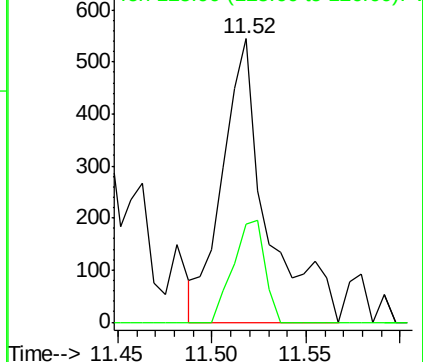
91 100

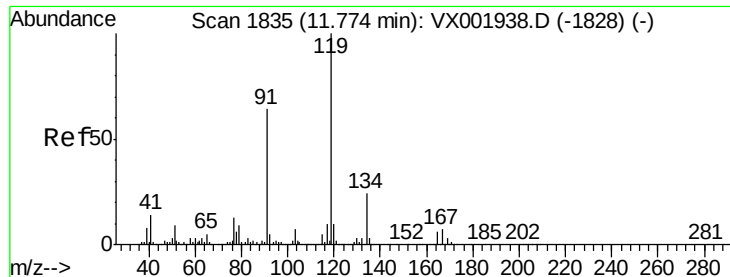
126 25.4 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.28 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.26 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

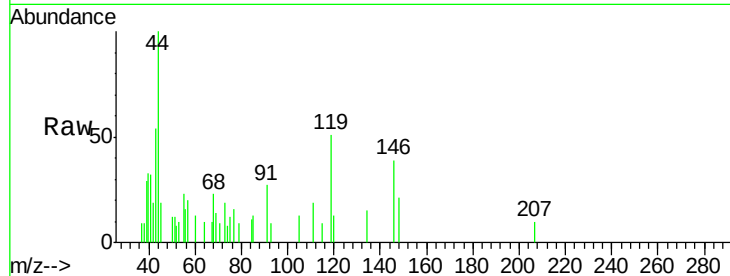
Tot Ion:119 Resp: 394

Ion Ratio Lower Upper

119 100

91 45.2 30.6 91.8

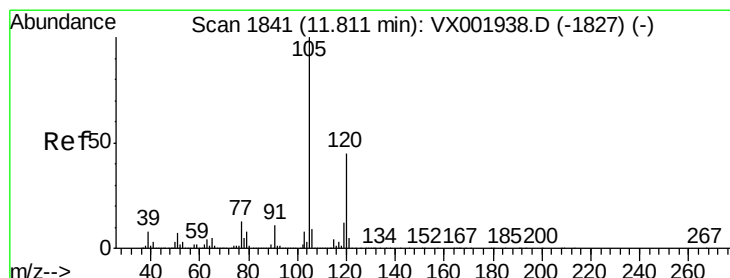
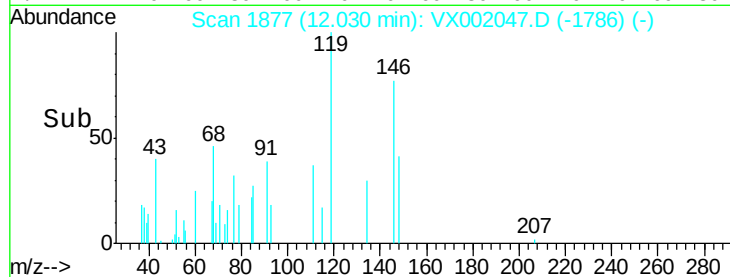
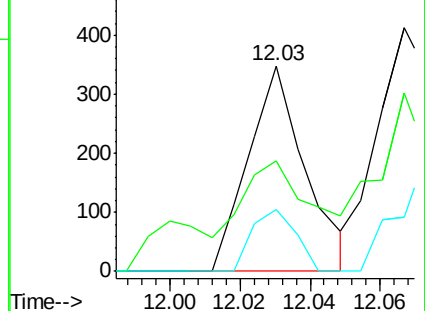
134 23.1 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.92 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002047.D

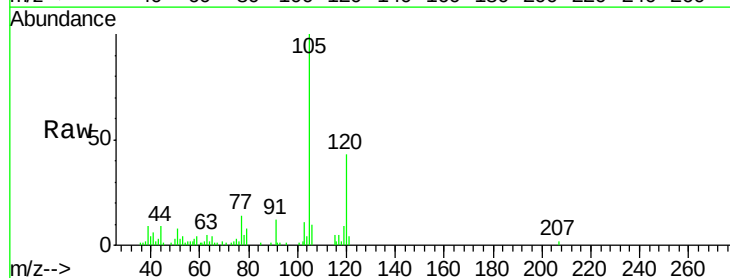
Acq: 27 May 2018 04:44

Tgt Ion:105 Resp: 8829

Ion Ratio Lower Upper

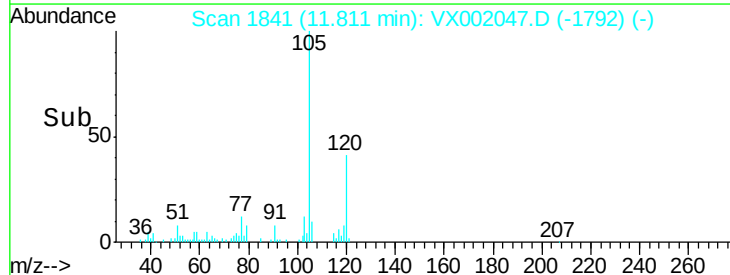
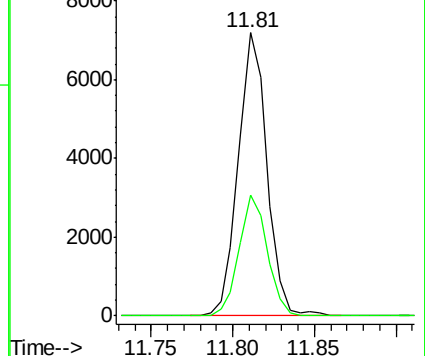
105 100

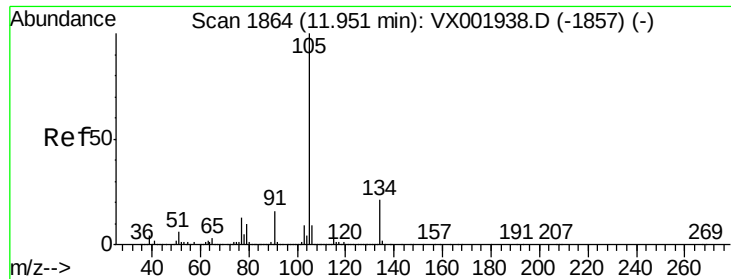
120 41.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.40 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

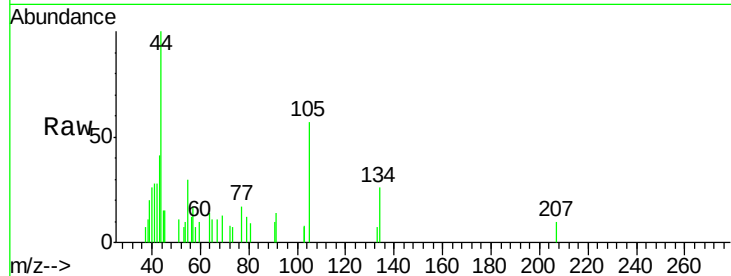
ClientSampleId :

Tot Ion:105 Resp: 683

Ion Ratio Lower Upper

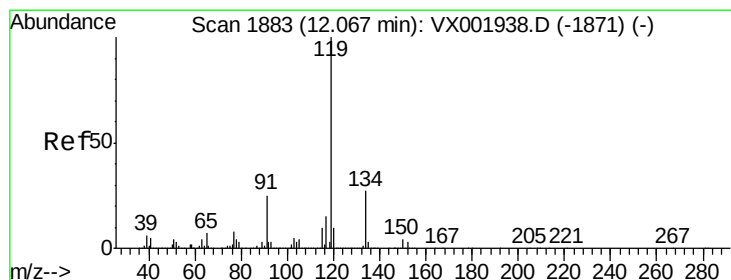
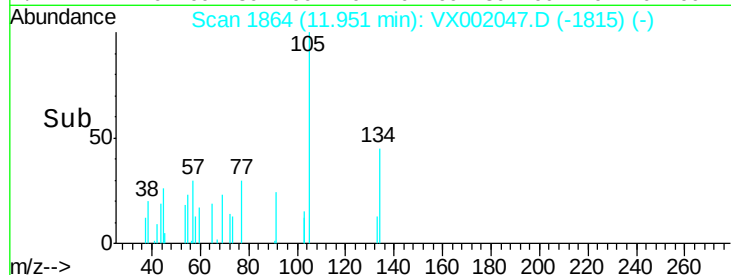
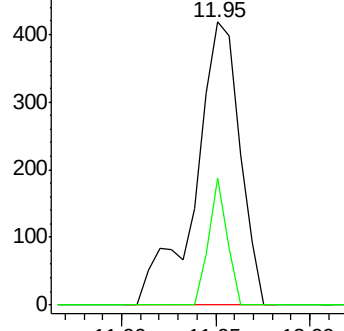
105 100

134 18.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.32 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

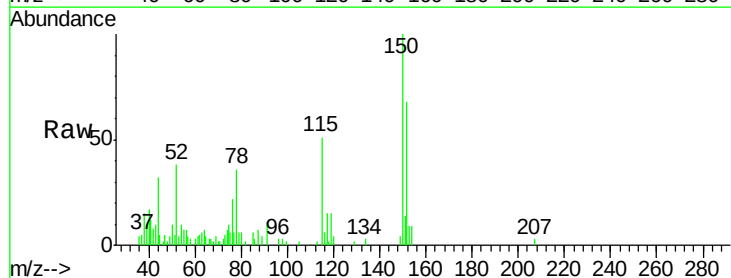
Tgt Ion:119 Resp: 487

Ion Ratio Lower Upper

119 100

134 45.4 13.6 40.8#

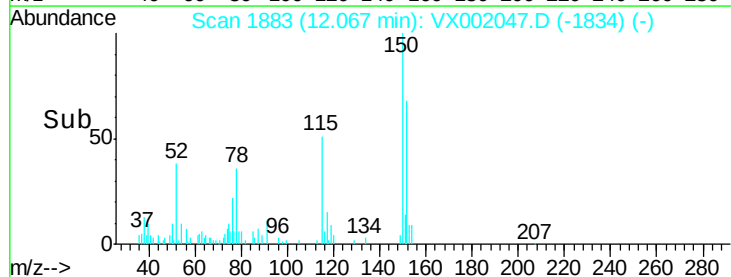
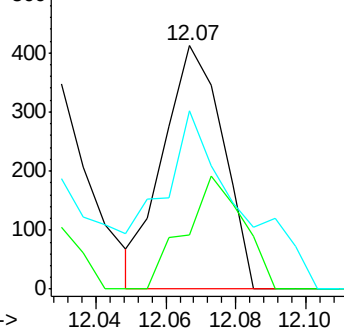
91 94.7 12.2 36.4#

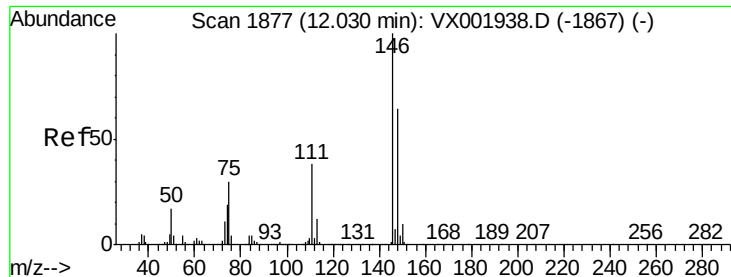


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

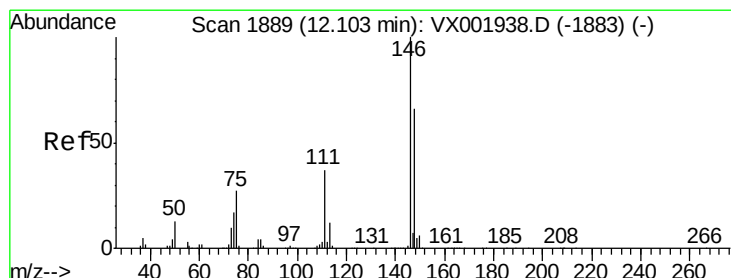
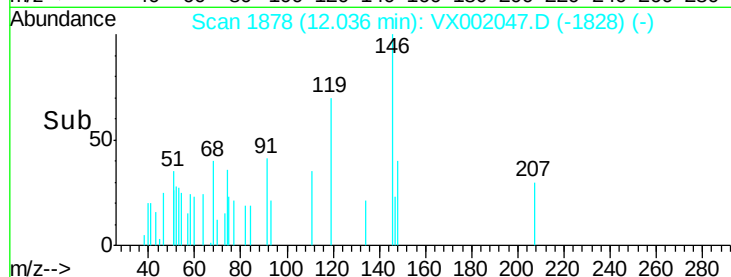
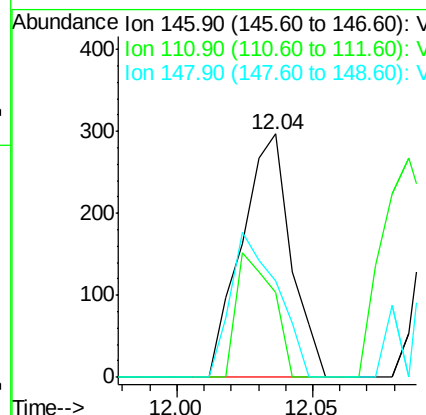
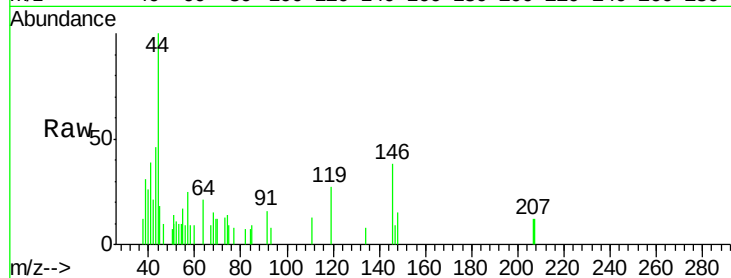




#87
 1,3-Dichlorobenzene
 Concen: 0.46 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

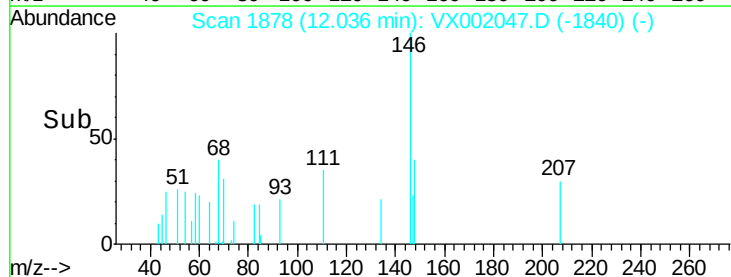
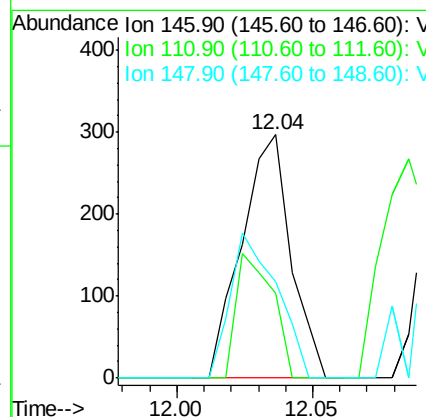
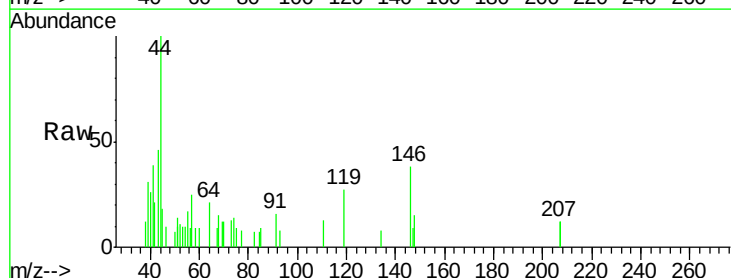
Instrument :
 MSVOA_X
 ClientSampleId :

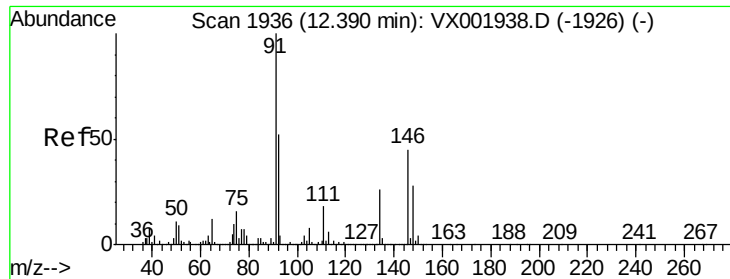
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.8
148	56.5	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 0.46 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.07 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	56.5	32.3	96.8

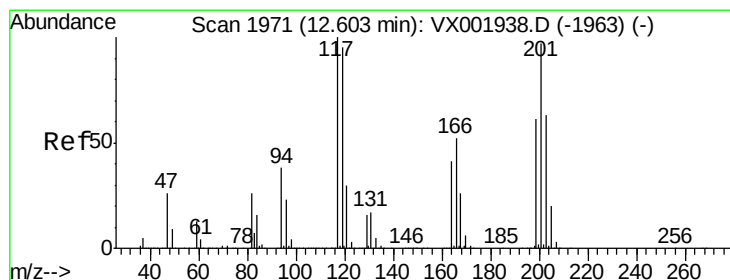
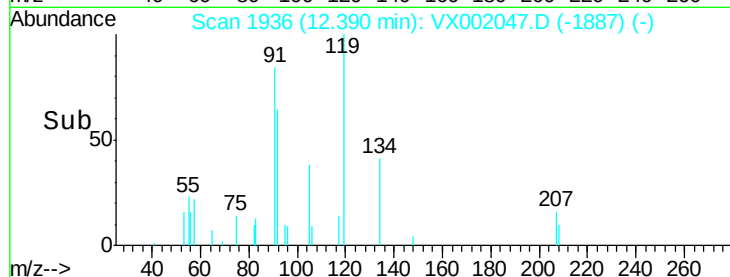
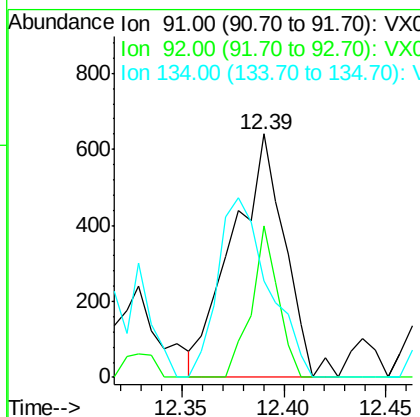
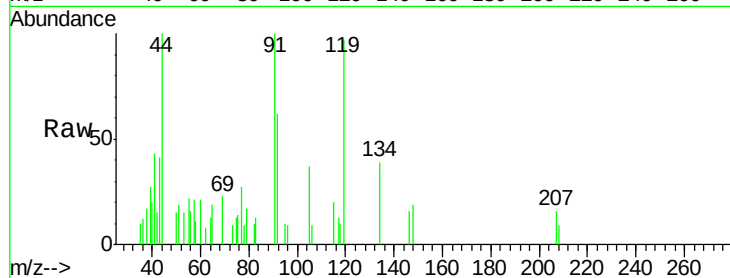




#89
n-Butylbenzene
Concen: 0.88 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

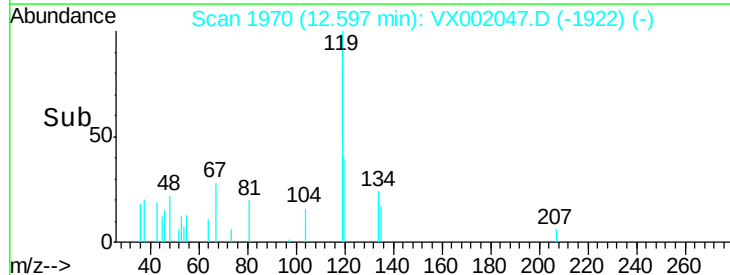
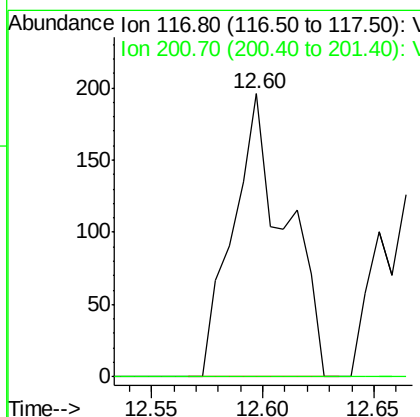
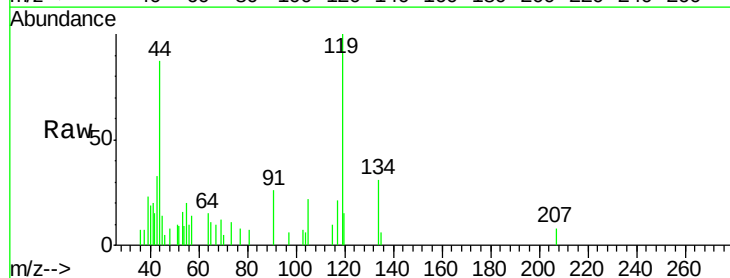
Instrument :
MSVOA_X
ClientSampled :

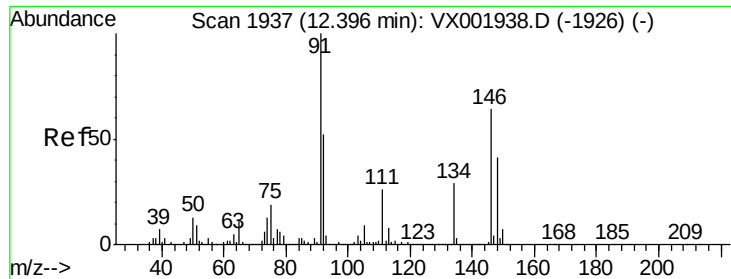
Tot Ion: 91 Resp: 1137
Ion Ratio Lower Upper
91 100
92 31.9 26.3 78.9
134 72.0 13.6 40.7#



#90
Hexachloroethane
Concen: 1.07 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002047.D
Acq: 27 May 2018 04:44

Tgt Ion: 117 Resp: 322
Ion Ratio Lower Upper
117 100
201 0.0 48.0 144.0#

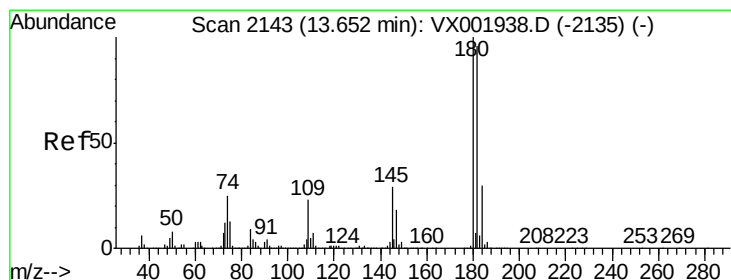
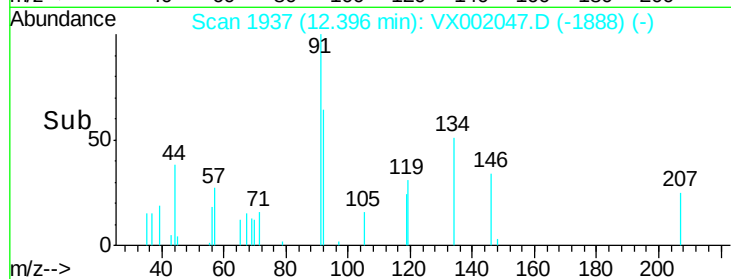
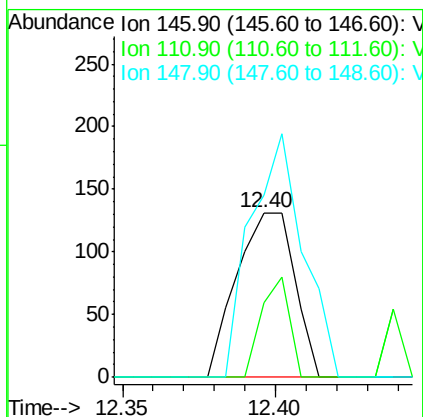
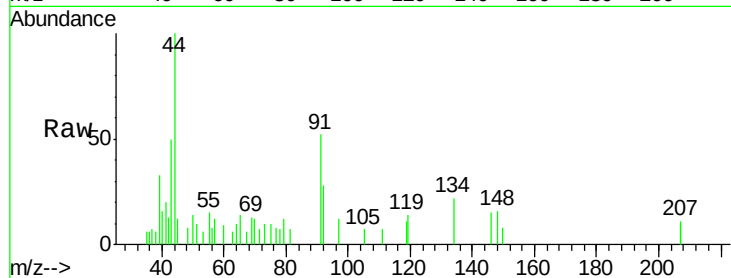




#91
 1,2-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

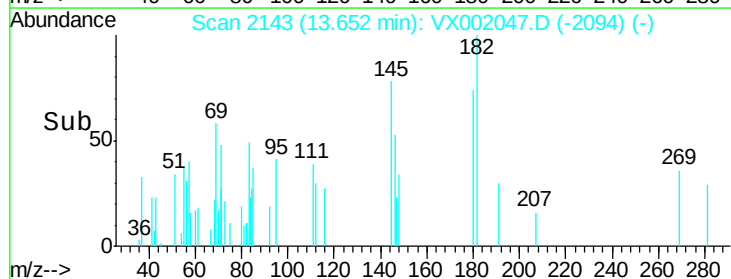
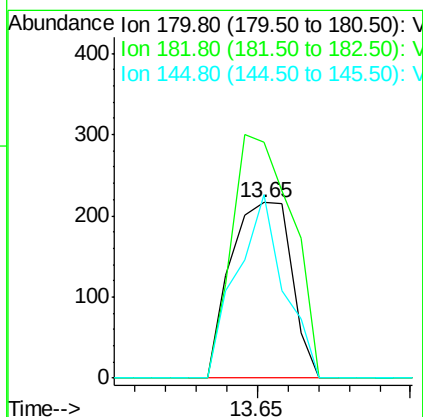
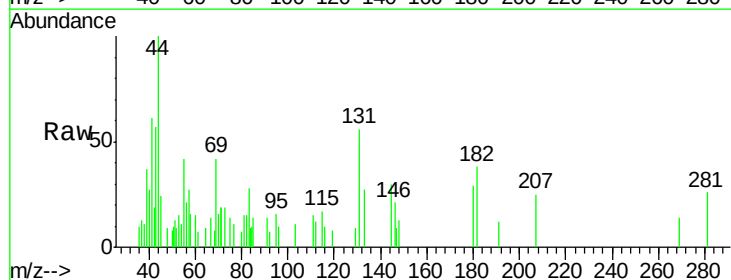
Instrument :
 MSVOA_X
 ClientSampleId :

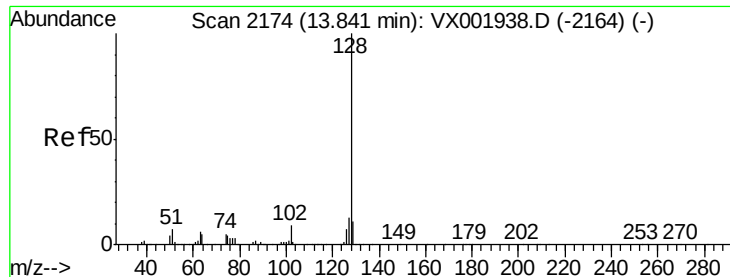
Tot Ion:146 Resp: 172
 Ion Ratio Lower Upper
 146 100
 111 29.7 19.8 59.3
 148 133.7 32.1 96.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.51 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002047.D
 Acq: 27 May 2018 04:44

Tgt Ion:180 Resp: 298
 Ion Ratio Lower Upper
 180 100
 182 136.2 47.7 143.1
 145 80.9 14.4 43.0#





#95

Naphthalene

Concen: 12.57 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

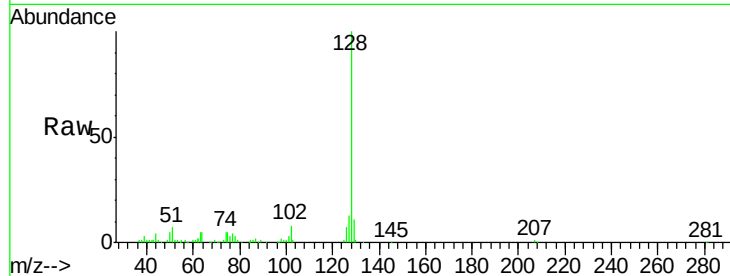
Tot Ion:128 Resp: 22628

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

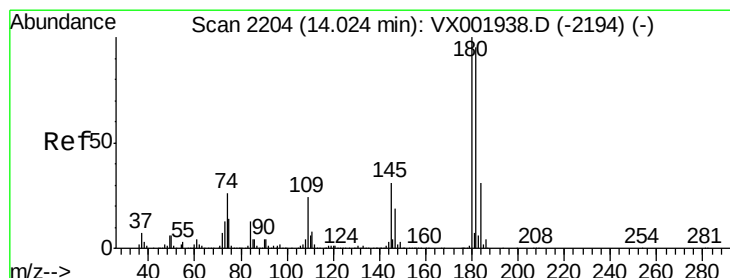
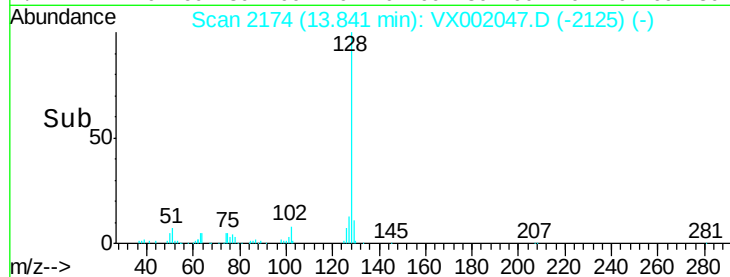
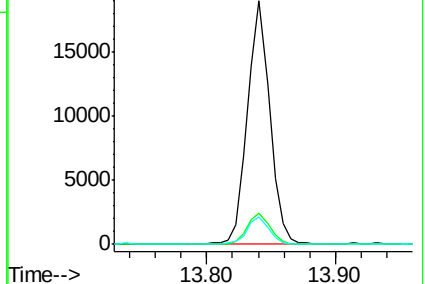
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.26 ug/l

RT: 14.04 min Scan# 2206

Delta R.T. 0.01 min

Lab File: VX002047.D

Acq: 27 May 2018 04:44

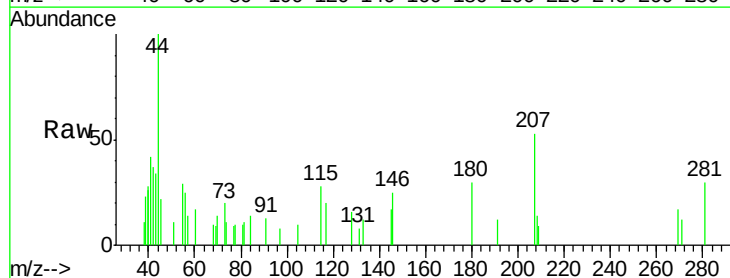
Tgt Ion:180 Resp: 155

Ion Ratio Lower Upper

180 100

182 116.8 47.9 143.6

145 45.8 15.1 45.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

