

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002507.D
 Acq On : 13 Jun 2018 13:29
 Operator : JC/MD
 Sample : PB110148ZHE#14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	198889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	287750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	153475	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	141783	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	5.51	113	106459	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	8.72	98	421079	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.14	95	146760	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	589	Below Cal		98
5) Bromomethane	1.65	94	1153	Below Cal		94
8) Diethyl Ether	2.20	74	244	Below Cal		97
10) Methyl Iodide	2.52	142	2293	0.76 ug/l	#	88
11) Tert butyl alcohol	3.03	59	3516	Below Cal	#	84
13) Acrolein	2.30	56	301	Below Cal	#	56
15) Acrylonitrile	3.15	53	982	Below Cal	#	92
16) Acetone	2.45	43	21202	Below Cal		99
17) Carbon Disulfide	2.57	76	1724	0.31 ug/l	#	77
18) Methyl Acetate	2.78	43	20266	4.67 ug/l		97
19) Methyl tert-butyl Ether	3.19	73	161	Below Cal	#	54
20) Methylene Chloride	2.86	84	5172	Below Cal		94
21) trans-1,2-Dichloroethene	3.17	96	667	0.29 ug/l	#	70
22) Diisopropyl ether	3.89	45	504	Below Cal	#	56
23) Vinyl Acetate	3.83	43	1491	0.20 ug/l	#	75
25) 2-Butanone	4.71	43	4872	2.50 ug/l		95
28) Bromochloromethane	5.03	49	371	Below Cal	#	55
29) Tetrahydrofuran	5.17	42	1665	1.32 ug/l		96
38) Carbon Tetrachloride	5.67	117	18532	5.86 ug/l	#	17
39) Methylcyclohexane	7.46	83	402	0.37 ug/l	#	40
49) 1,4-Dioxane	7.79	88	37	0.64 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.65	43	2798	0.73 ug/l		96
58) 2-Chloroethyl Vinyl ether	8.32	63	475	0.26 ug/l		95
59) 2-Hexanone	9.50	43	682	0.23 ug/l		97
64) Tetrachloroethene	9.34	164	646	0.23 ug/l	#	84
65) Chlorobenzene	10.14	112	5141	0.76 ug/l	#	85
68) m/p-Xylenes	10.36	106	1112	0.25 ug/l		100
76) 1,2,3-Trichloropropane	11.14	75	81352	24.16 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81352	84.68 ug/l	#	7
82) 4-Chlorotoluene	11.52	91	1831	0.21 ug/l		78
87) 1,3-Dichlorobenzene	12.03	146	1484	0.28 ug/l		89
88) 1,4-Dichlorobenzene	12.03	146	1484	0.27 ug/l		89
89) n-Butylbenzene	12.39	91	2164	0.27 ug/l		95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	225	0.31 ug/l	#	1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

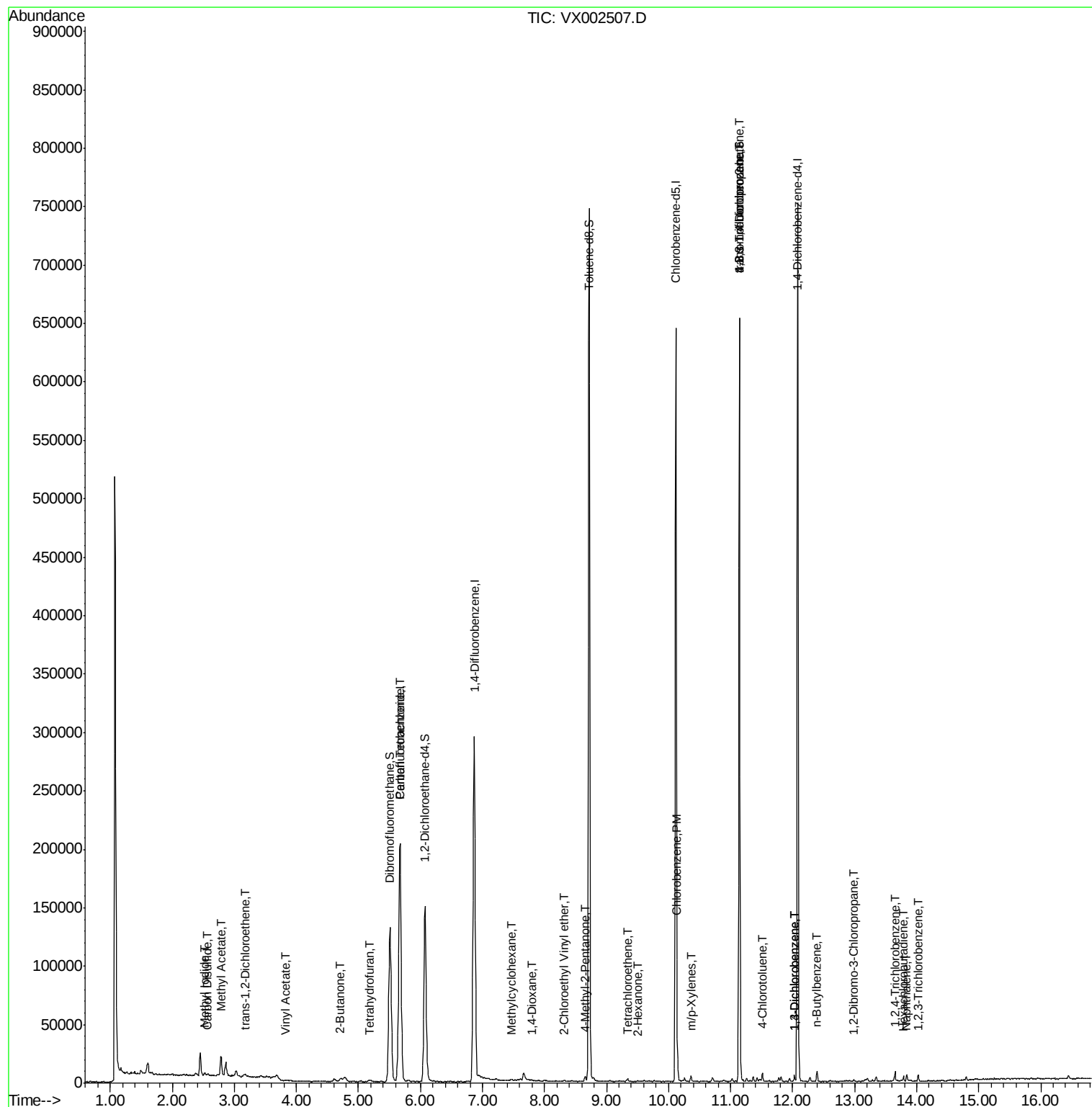
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1865	0.48	ug/l	97
94) Hexachlorobutadiene	13.79	225	676	0.35	ug/l	96
95) Naphthalene	13.84	128	2796	0.25	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.03	180	1532	0.39	ug/l	92

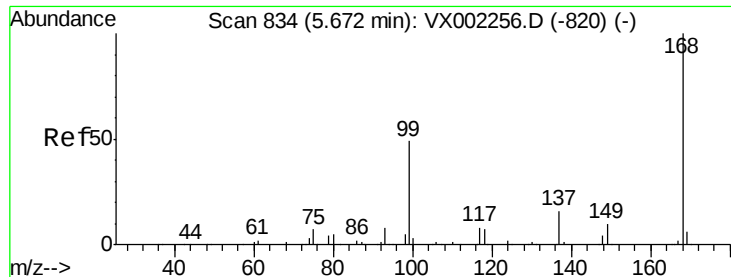
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

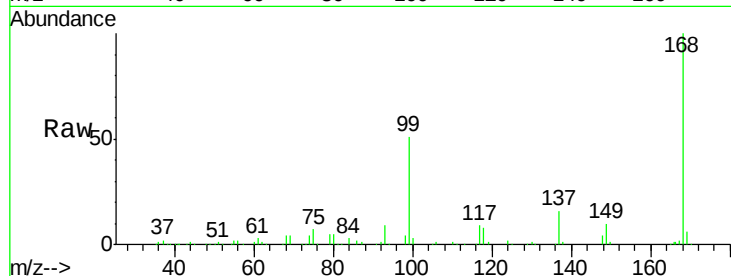
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 198889

Ion Ratio Lower Upper

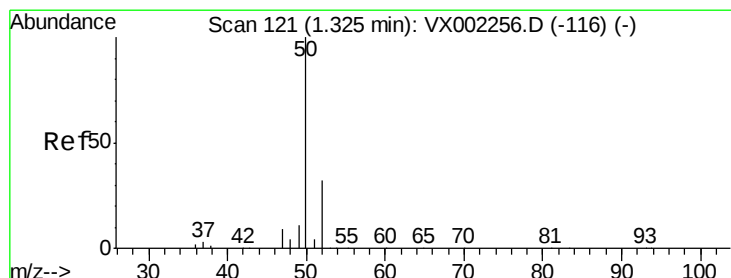
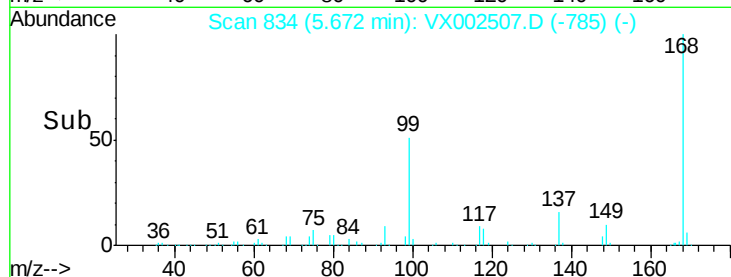
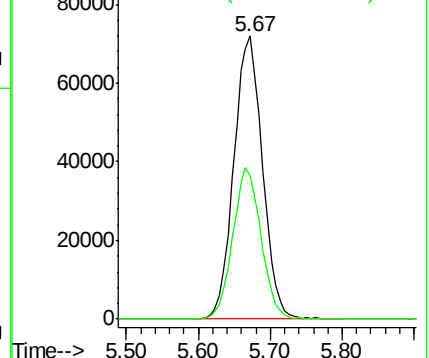
168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002507.D

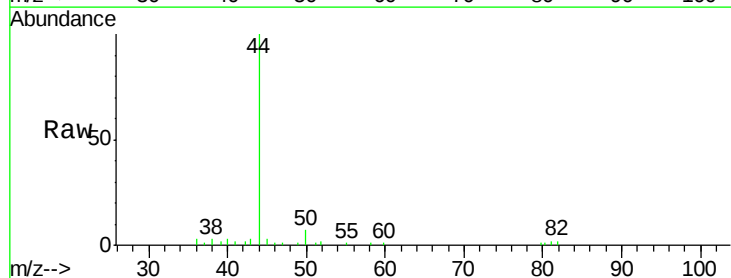
Acq: 13 Jun 2018 13:29

Tgt Ion: 50 Resp: 589

Ion Ratio Lower Upper

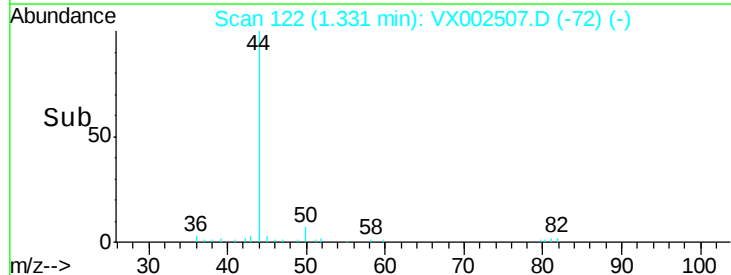
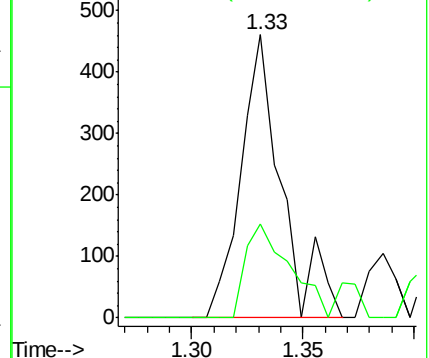
50 100

52 33.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

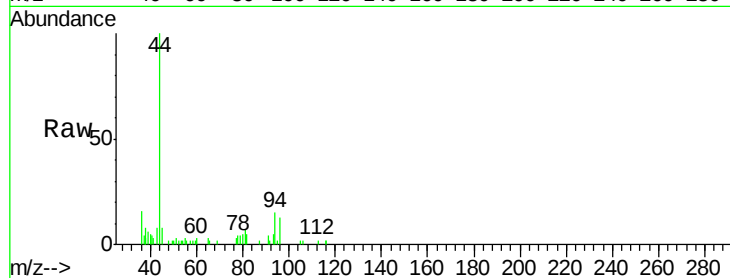
ClientSampled :

Tot Ion: 94 Resp: 1153

Ion Ratio Lower Upper

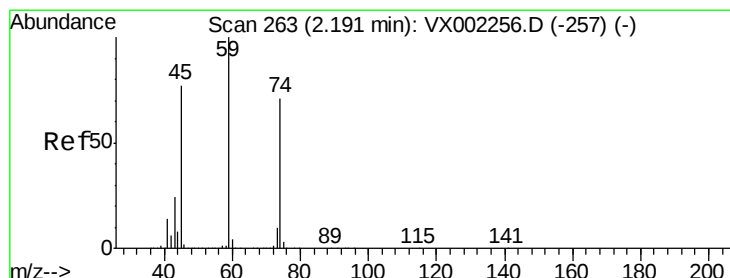
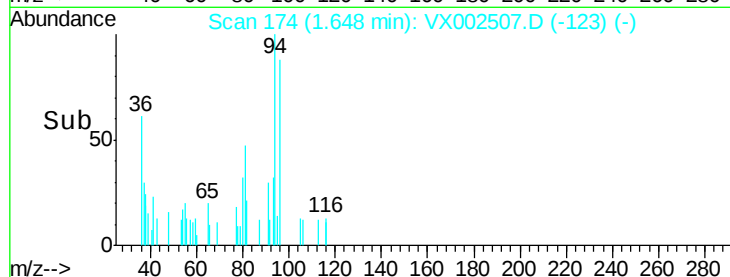
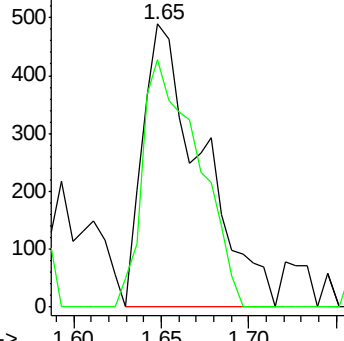
94 100

96 87.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX002507.D

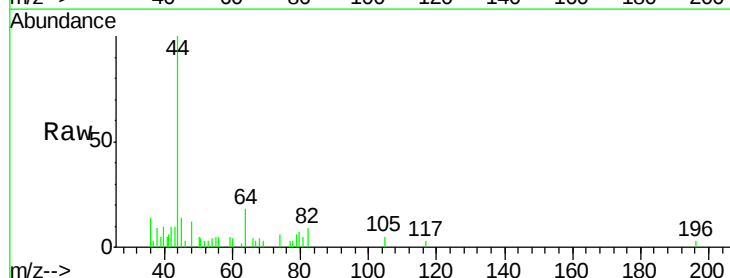
Acq: 13 Jun 2018 13:29

Tgt Ion: 74 Resp: 244

Ion Ratio Lower Upper

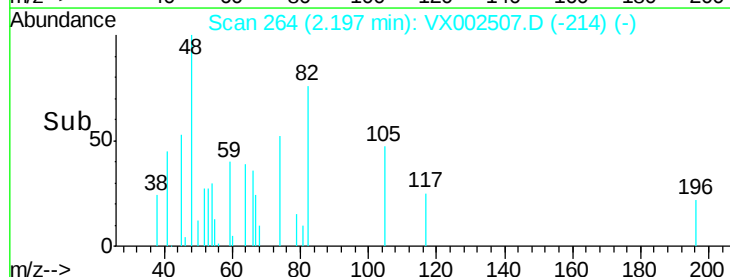
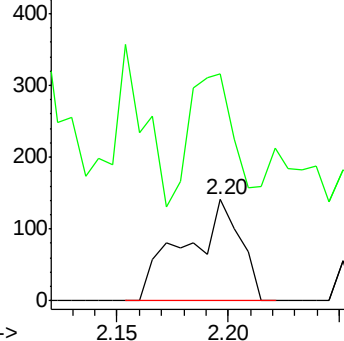
74 100

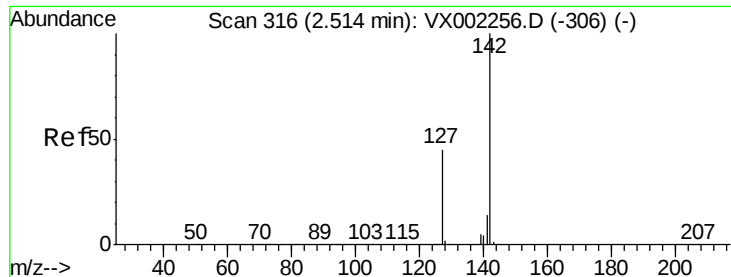
45 109.0 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

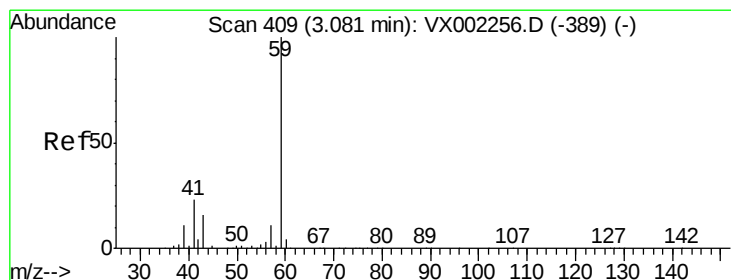
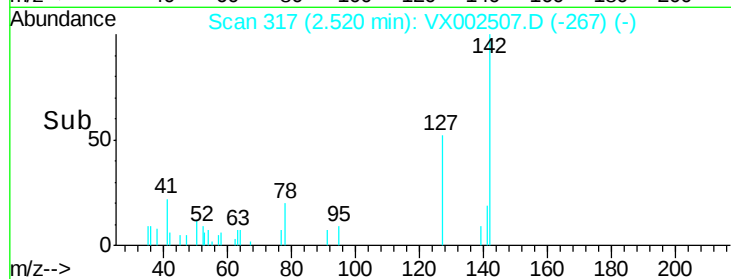
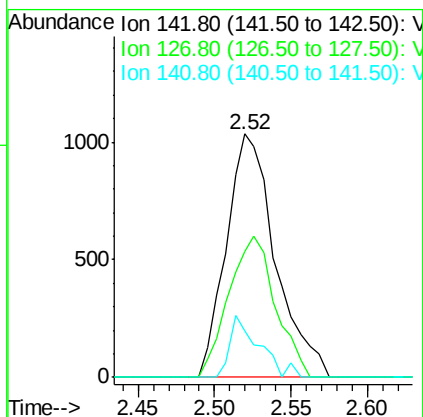
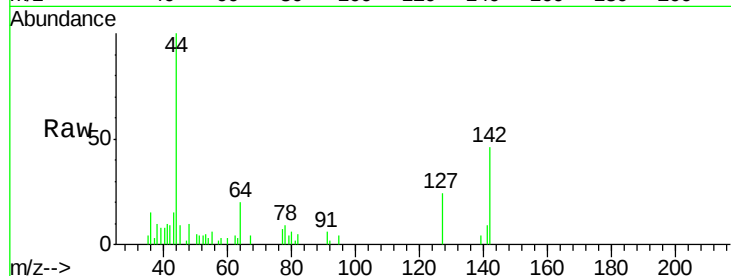




#10
Methyl Iodide
Concen: 0.76 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

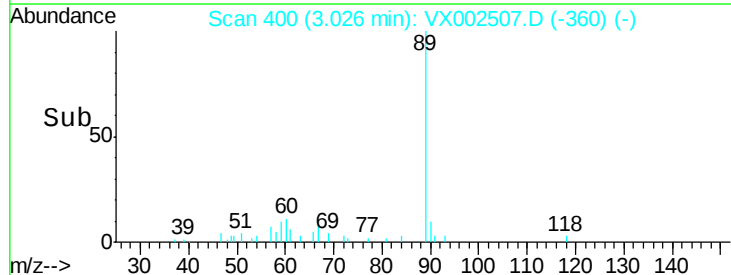
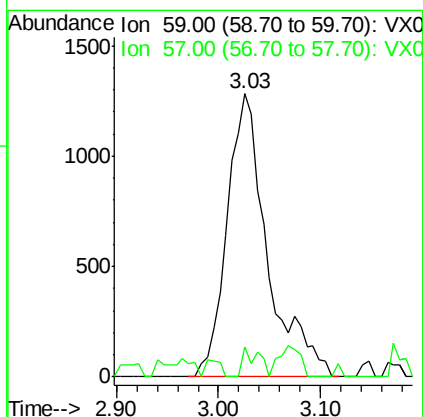
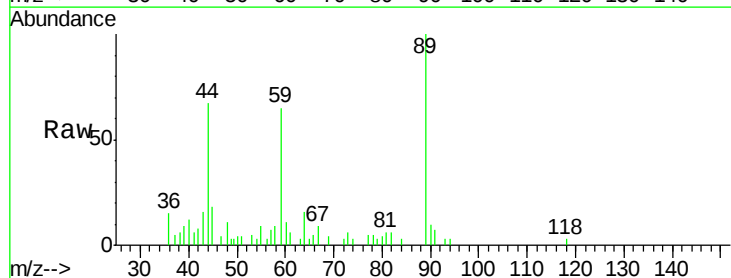
Instrument :
MSVOA_X
ClientSampled :

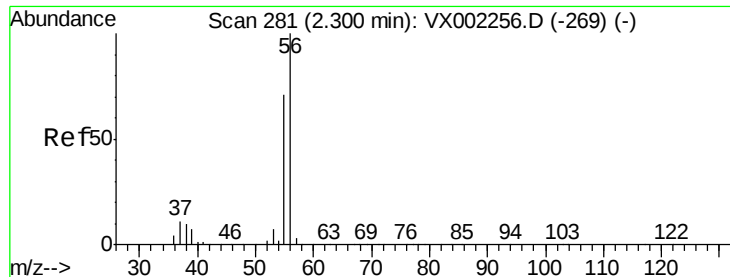
Tot Ion:142 Resp: 2293
Ion Ratio Lower Upper
142 100
127 55.3 36.6 55.0#
141 15.2 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion: 59 Resp: 3516
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

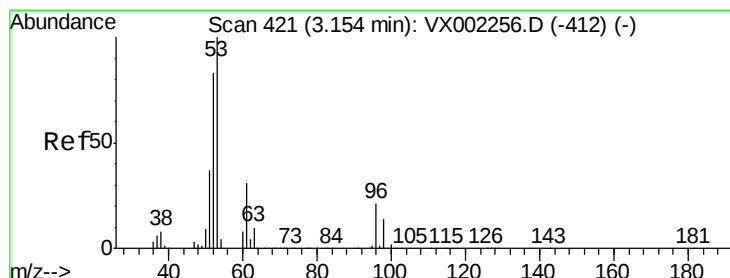
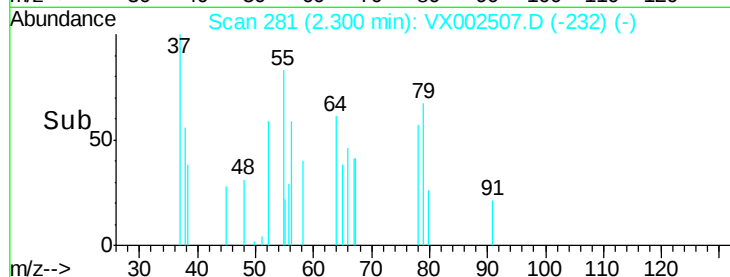
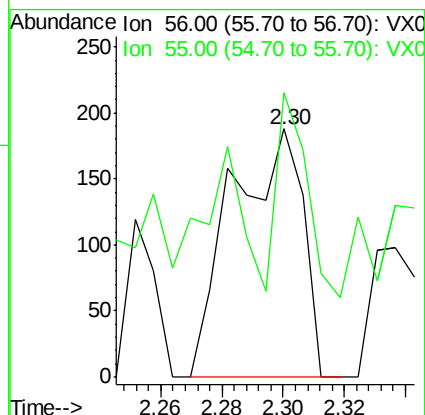
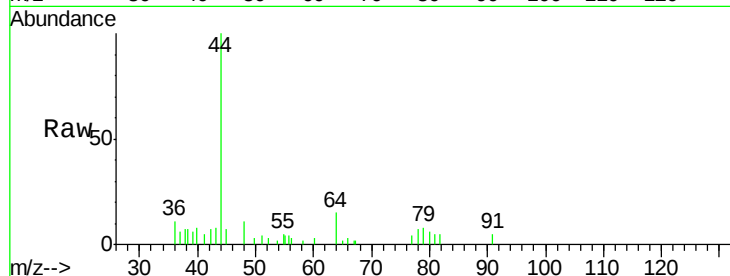
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 301

Ion Ratio Lower Upper

56 100

55 34.6 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

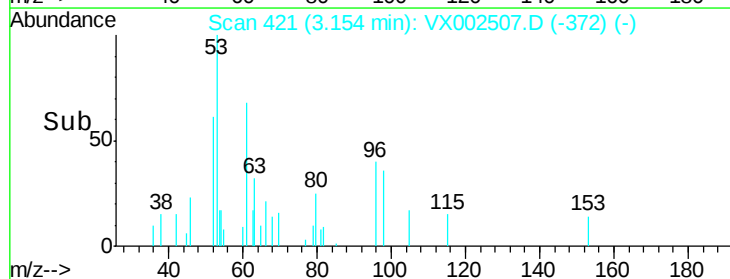
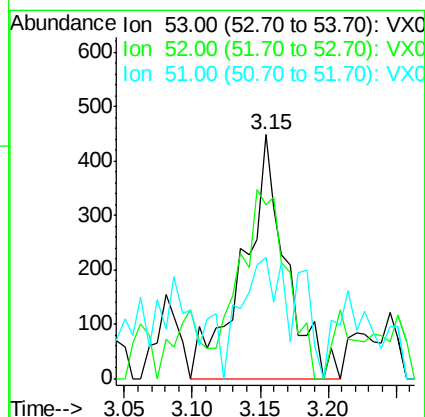
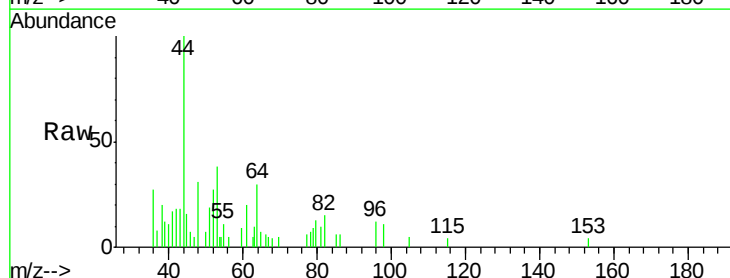
Tgt Ion: 53 Resp: 982

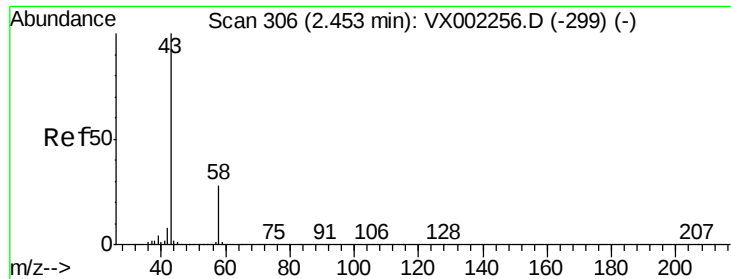
Ion Ratio Lower Upper

53 100

52 87.2 66.7 100.1

51 47.5 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

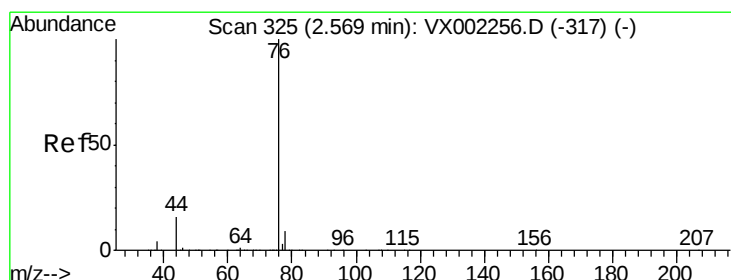
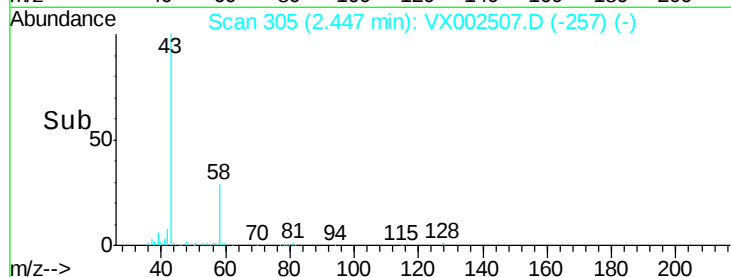
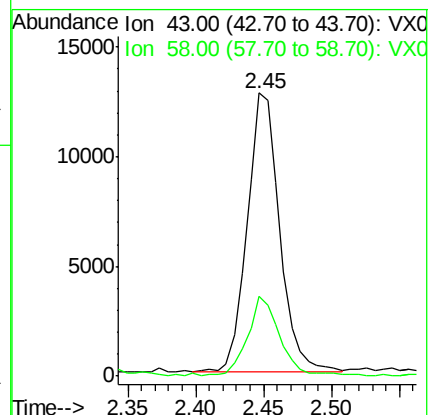
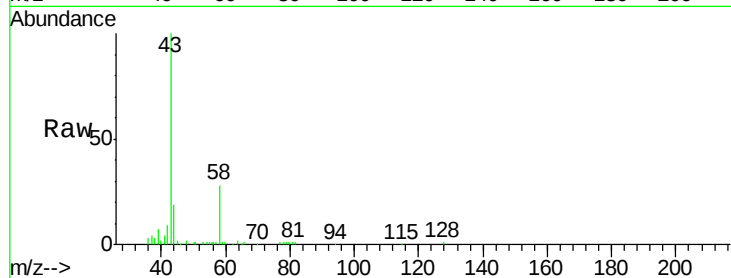
ClientSampleId :

Tot Ion: 43 Resp: 21202

Ion Ratio Lower Upper

43 100

58 27.9 22.1 33.1



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002507.D

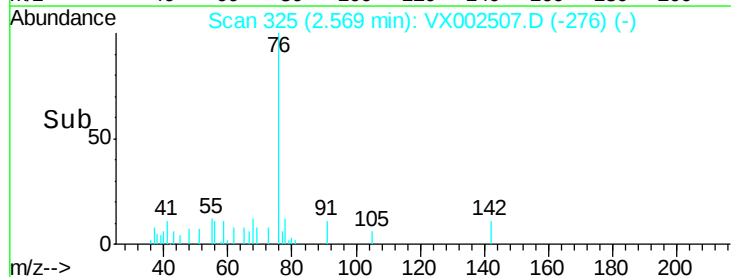
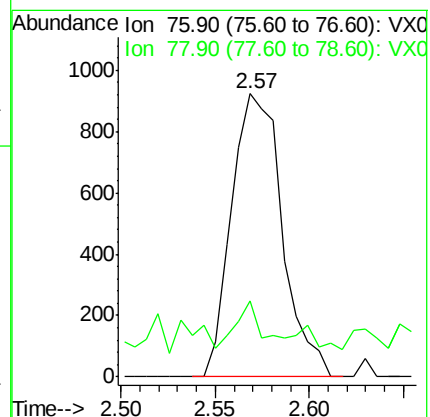
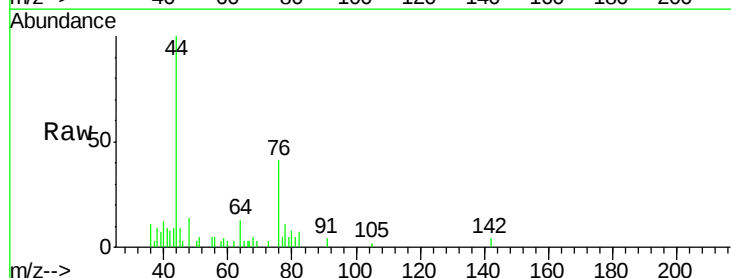
Acq: 13 Jun 2018 13:29

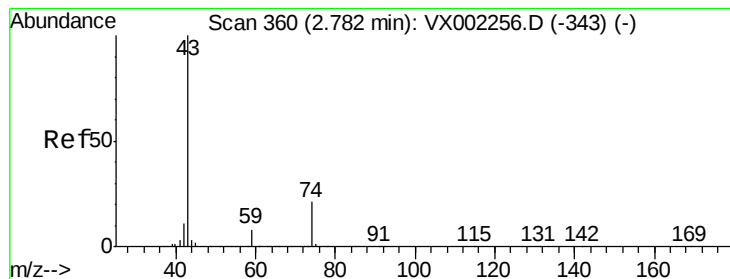
Tgt Ion: 76 Resp: 1724

Ion Ratio Lower Upper

76 100

78 16.9 6.9 10.3#





#18

Methyl Acetate

Concen: 4.67 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

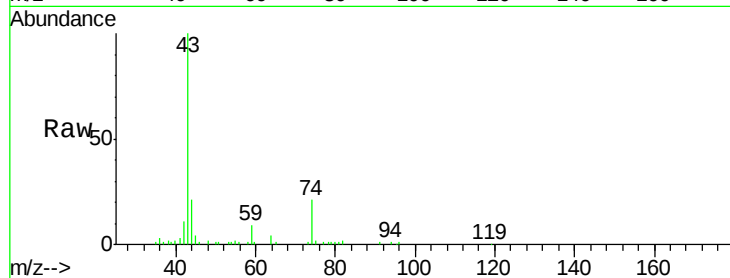
ClientSampled :

Tot Ion: 43 Resp: 20266

Ion Ratio Lower Upper

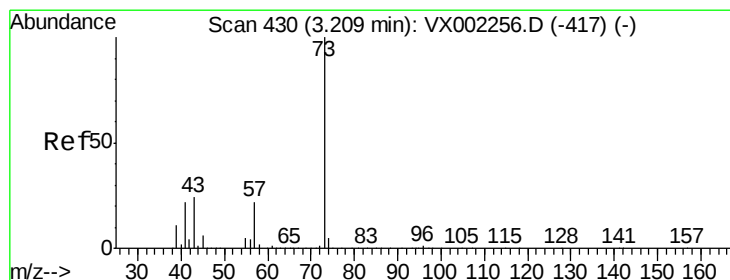
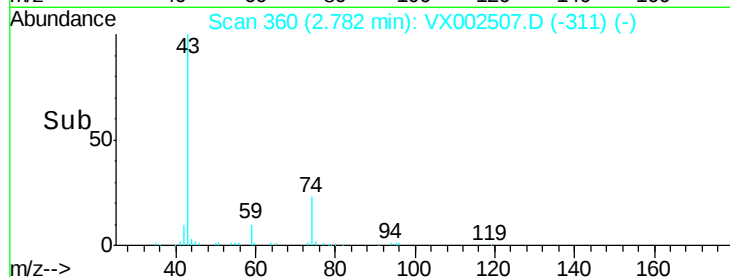
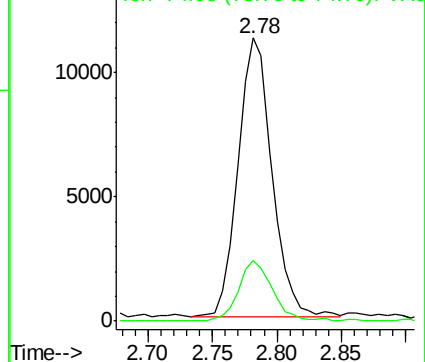
43 100

74 22.1 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#19

Methyl tert-butyl Ether

Concen: Below Cal

RT: 3.19 min Scan# 427

Delta R.T. -0.02 min

Lab File: VX002507.D

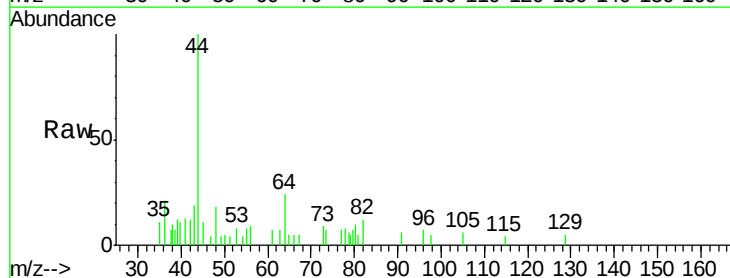
Acq: 13 Jun 2018 13:29

Tgt Ion: 73 Resp: 161

Ion Ratio Lower Upper

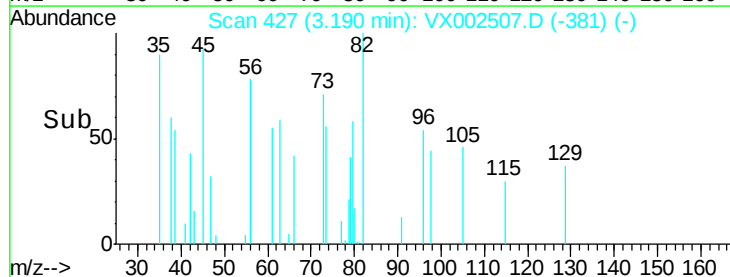
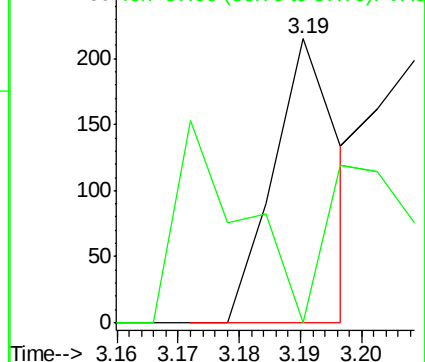
73 100

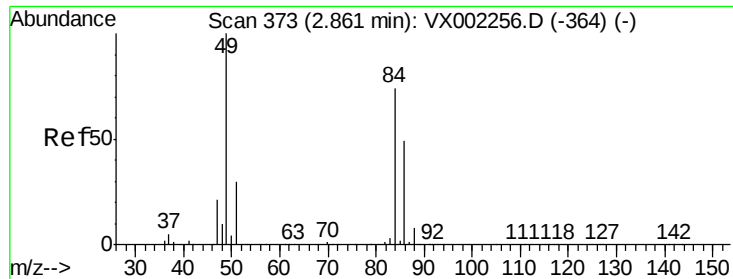
57 0.0 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

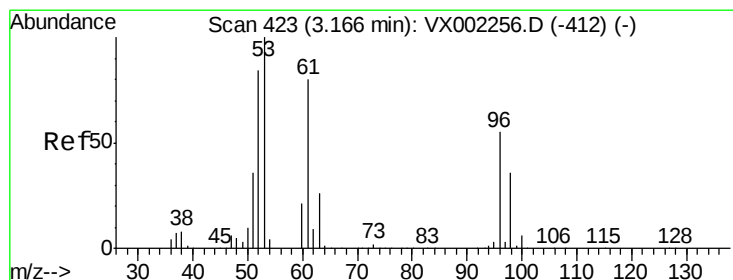
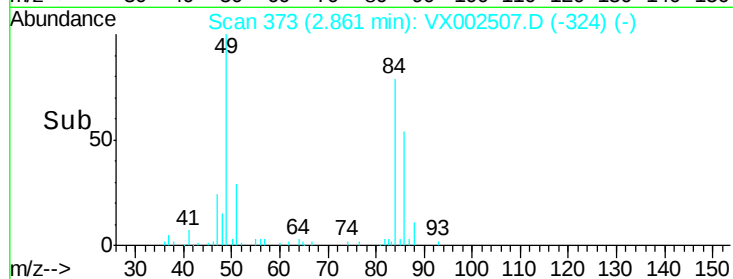
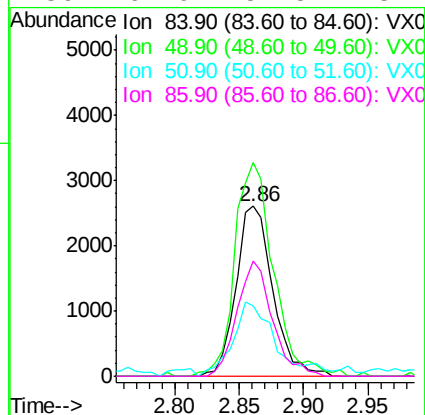
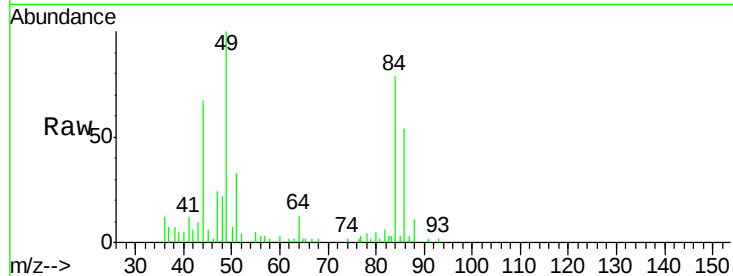




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

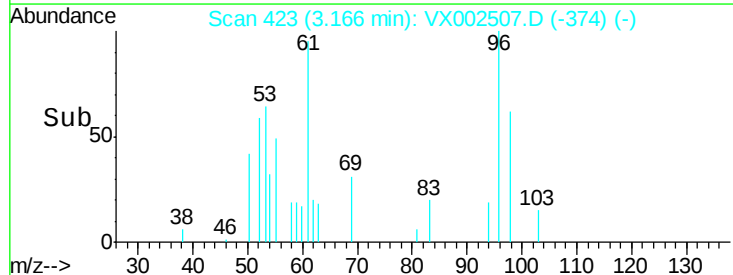
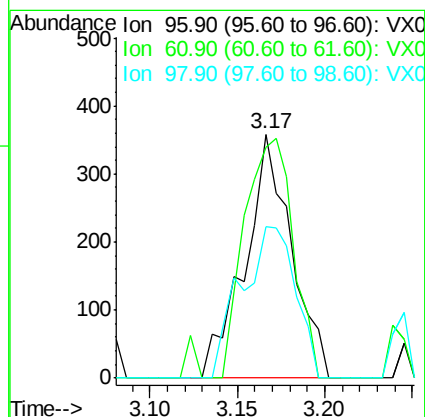
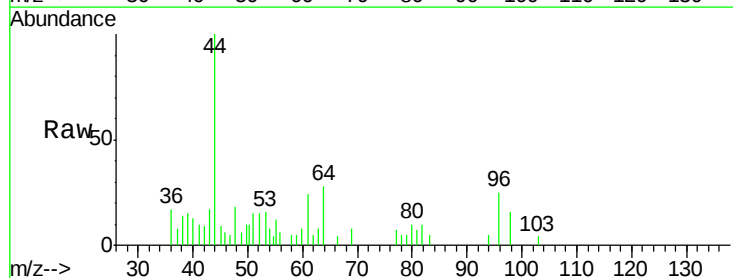
Instrument :
MSVOA_X
ClientSampleId :

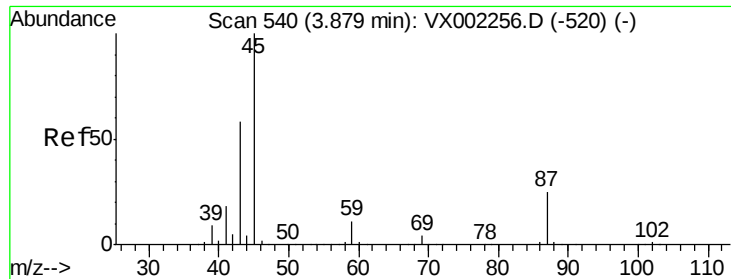
Tot Ion:	84	Resp:	5172
Ion	Ratio	Lower	Upper
84	100		
49	125.8	107.8	161.6
51	38.1	32.8	49.2
86	67.9	52.5	78.7



#21
trans-1,2-Dichloroethene
Concen: 0.29 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion:	96	Resp:	667
Ion	Ratio	Lower	Upper
96	100		
61	95.0	117.0	175.4#
98	62.3	52.4	78.6



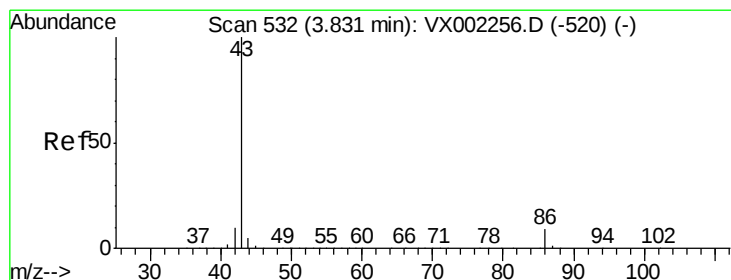
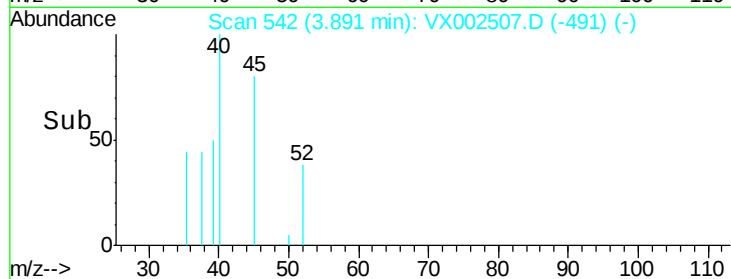
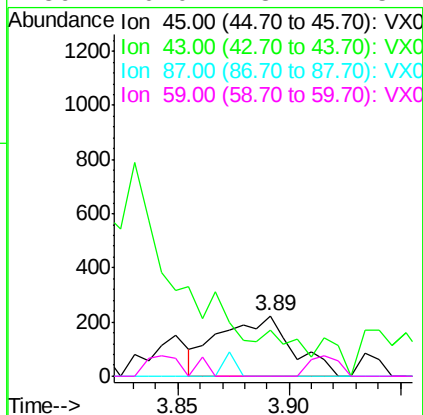
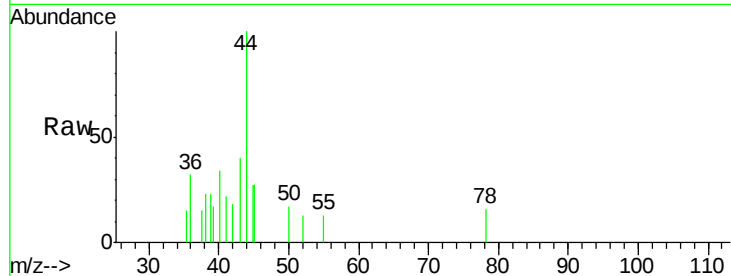


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.89 min Scan# 542
Delta R.T. 0.01 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampled :

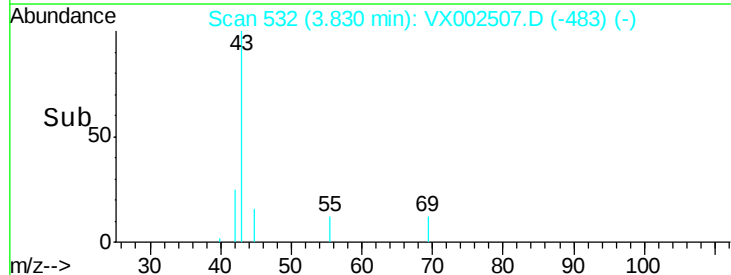
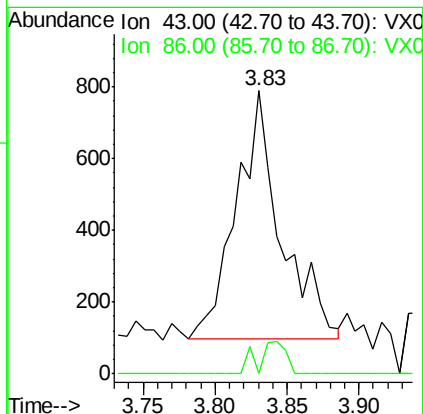
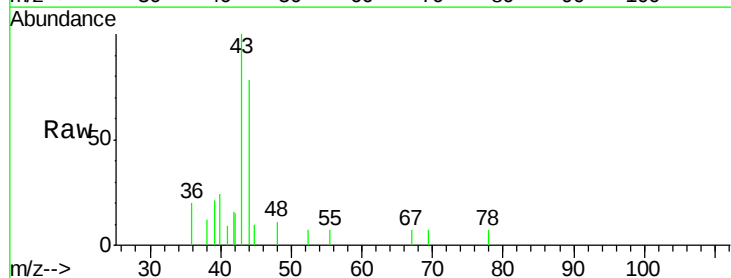
Tot Ion:	45	Resp:	504
Ion	Ratio	Lower	Upper
45	100		
43	25.6	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

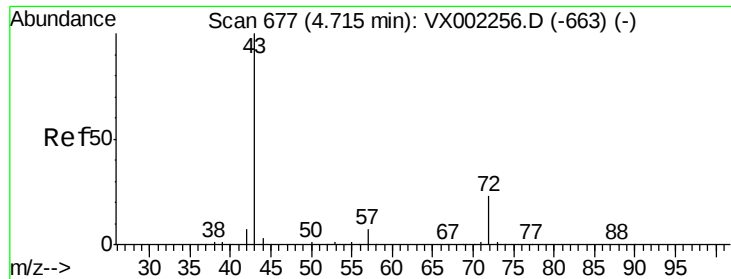


#23

Vinyl Acetate
Concen: 0.20 ug/l
RT: 3.83 min Scan# 532
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion:	43	Resp:	1491
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.4	11.0#





#25

2-Butanone

Concen: 2.50 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

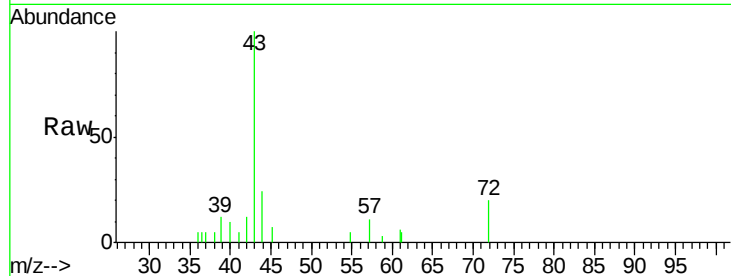
ClientSampleId :

Tot Ion: 43 Resp: 4872

Ion Ratio Lower Upper

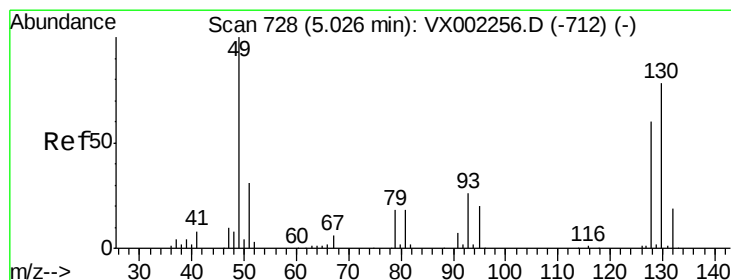
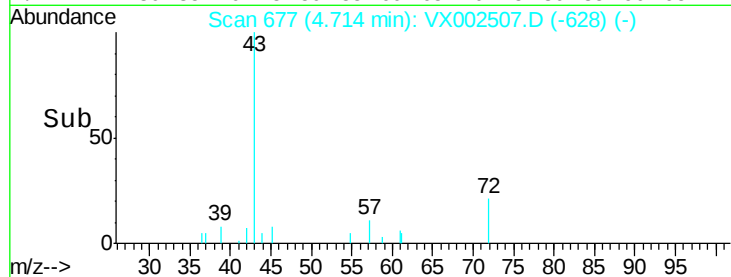
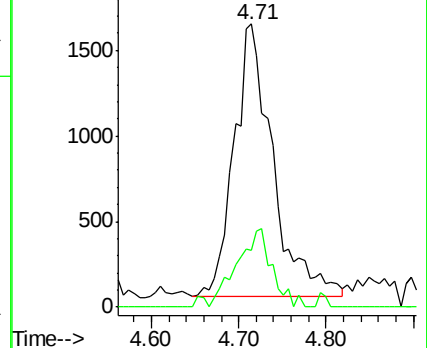
43 100

72 20.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

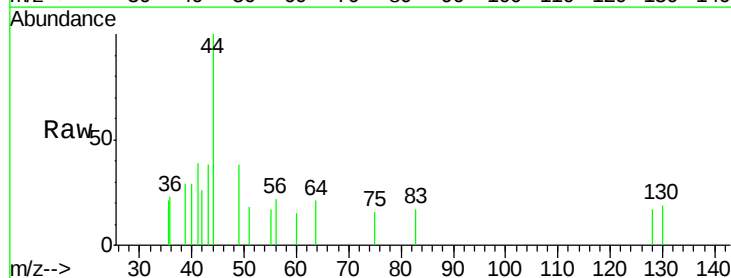
Tgt Ion: 49 Resp: 371

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

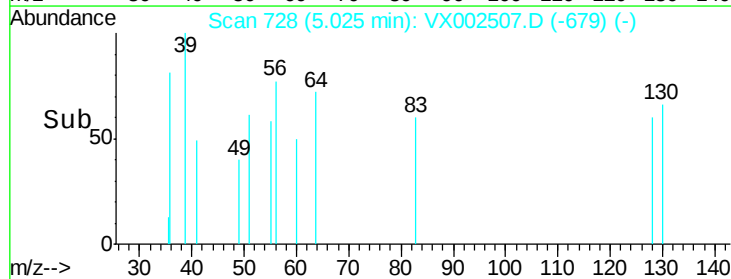
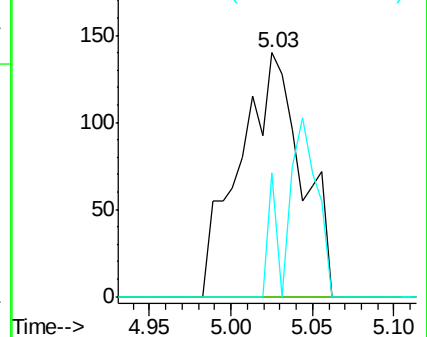
130 36.9 61.2 91.8#

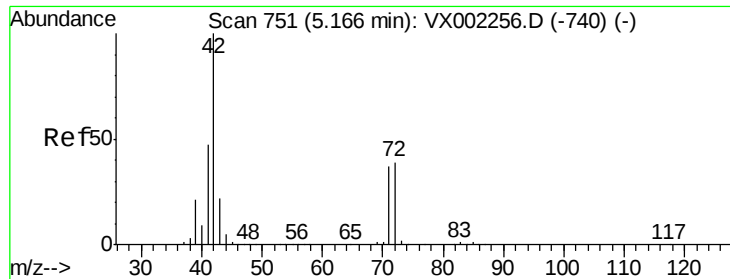


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

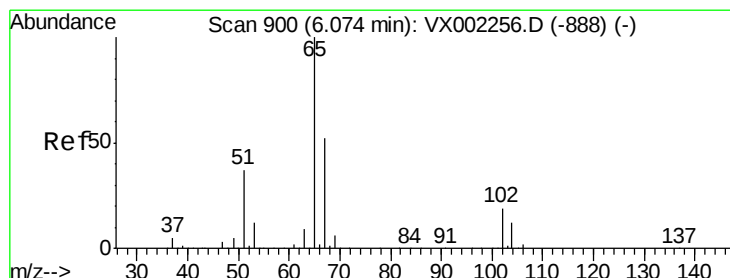
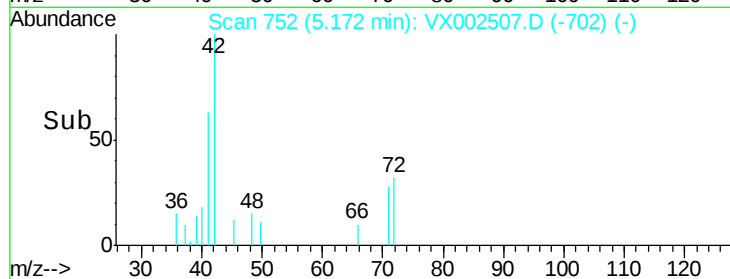
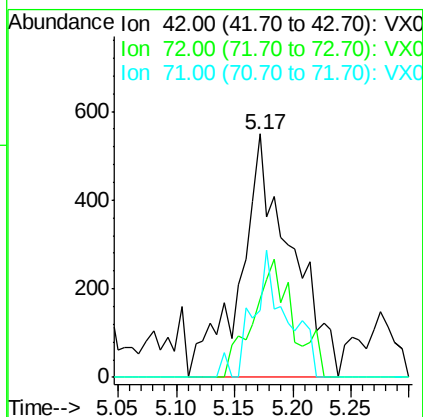
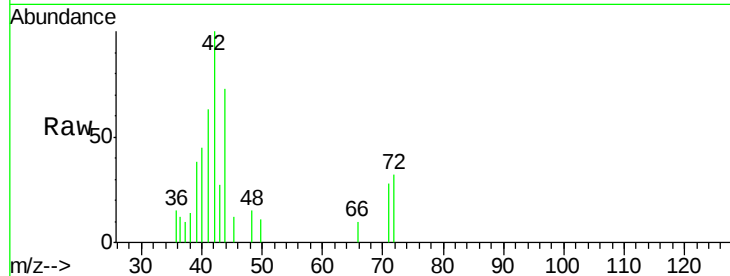




#29
Tetrahydrofuran
Concen: 1.32 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

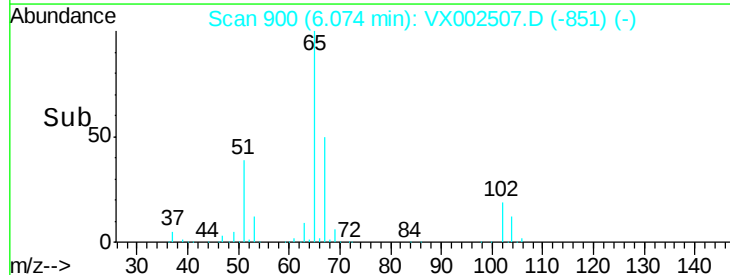
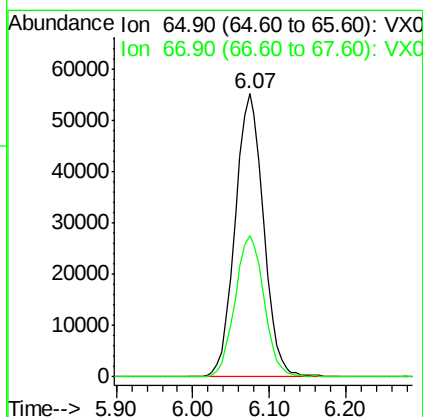
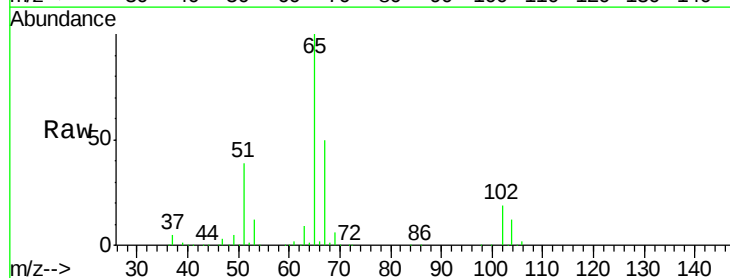
Instrument :
MSVOA_X
ClientSampleId :

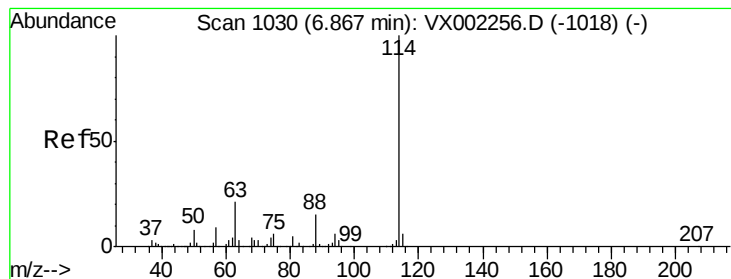
Tot Ion: 42 Resp: 1665
Ion Ratio Lower Upper
42 100
72 38.7 32.0 48.0
71 34.3 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 49.84 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion: 65 Resp: 141783
Ion Ratio Lower Upper
65 100
67 50.8 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: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

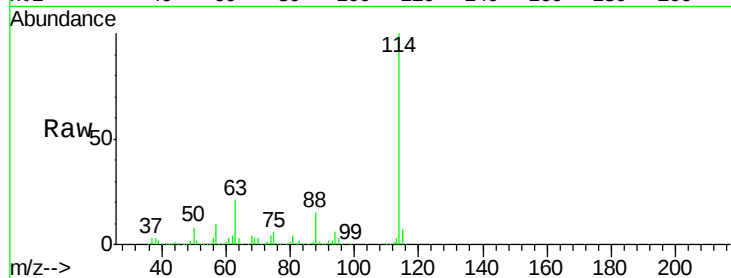
Tot Ion:114 Resp: 287750

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

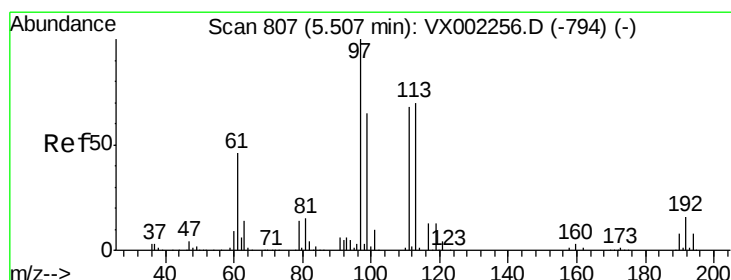
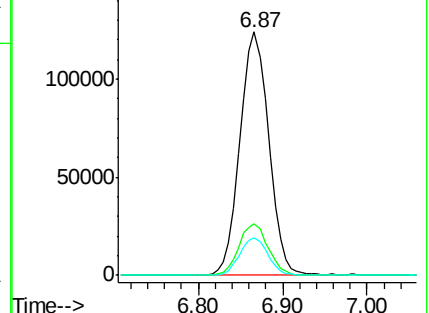
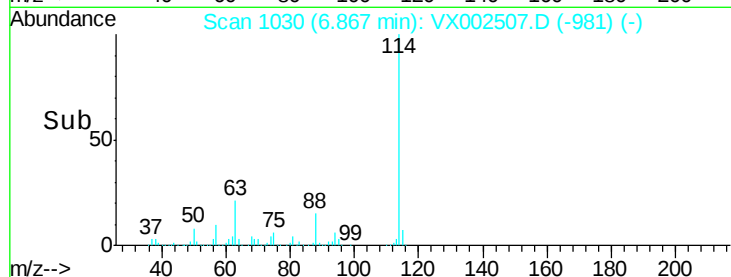
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.05 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

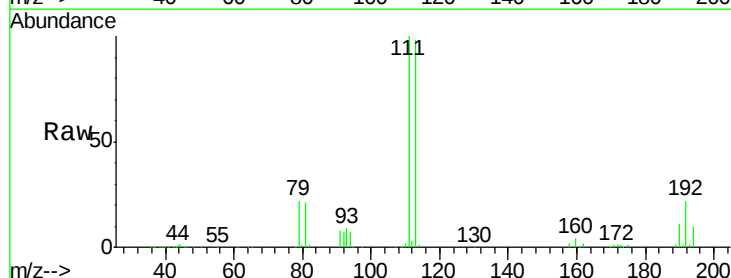
Tgt Ion:113 Resp: 106459

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

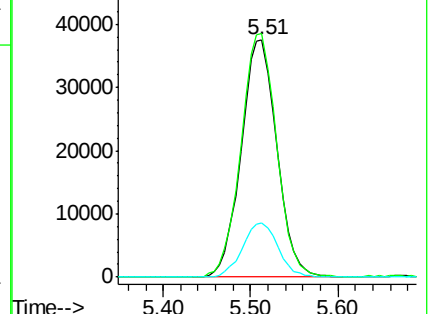
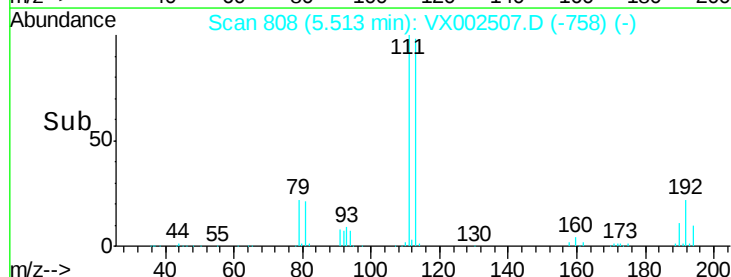
192 22.9 19.1 28.7

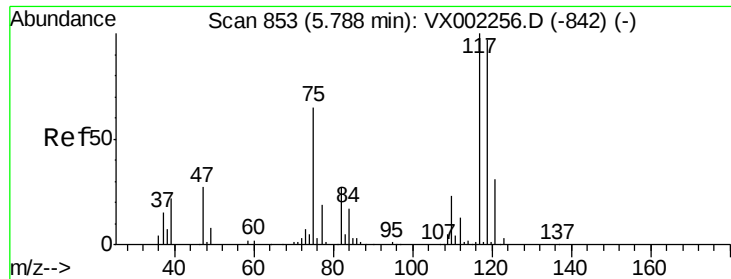


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

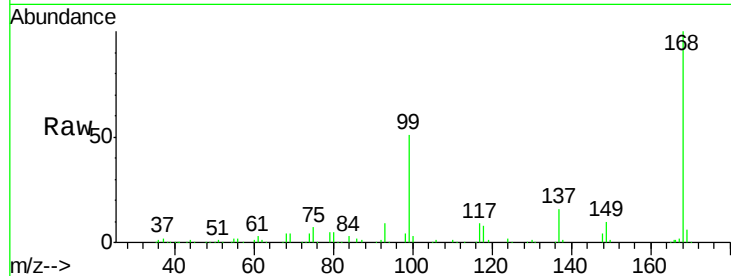




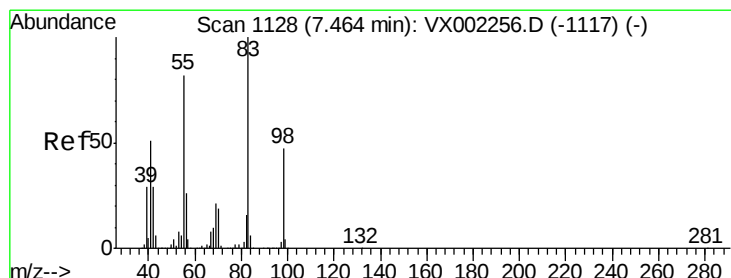
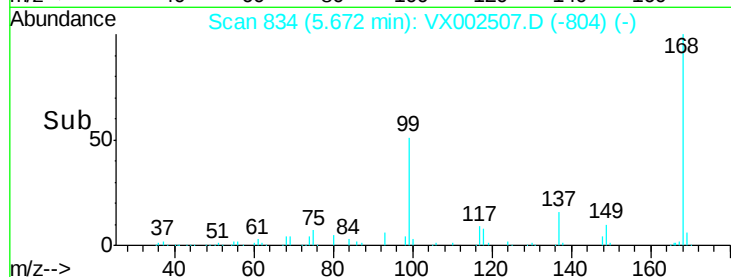
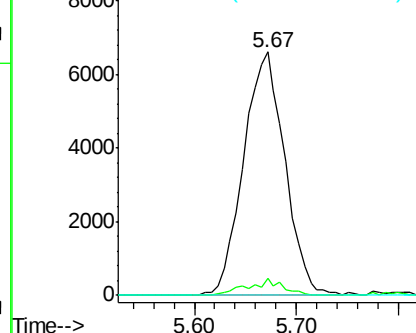
#38
Carbon Tetrachloride
Concen: 5.86 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 18532
Ion Ratio Lower Upper
117 100
119 7.1 77.4 116.0#
121 0.0 24.4 36.6#

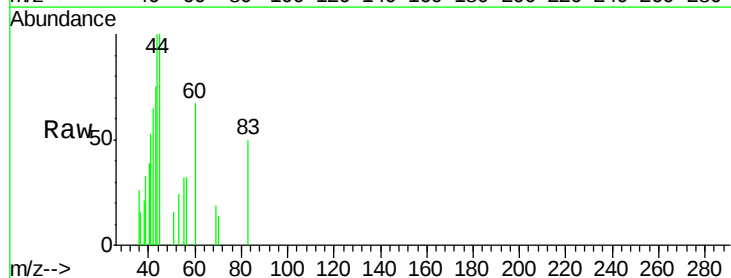


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

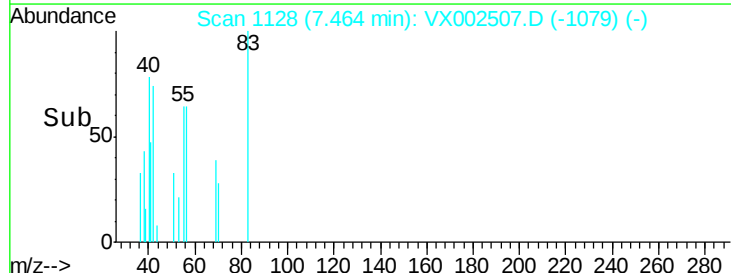
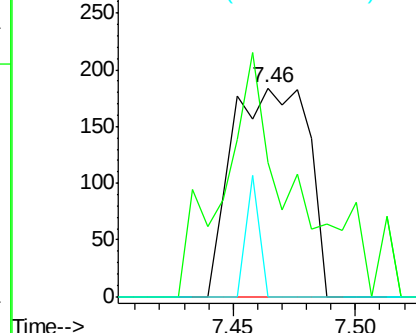


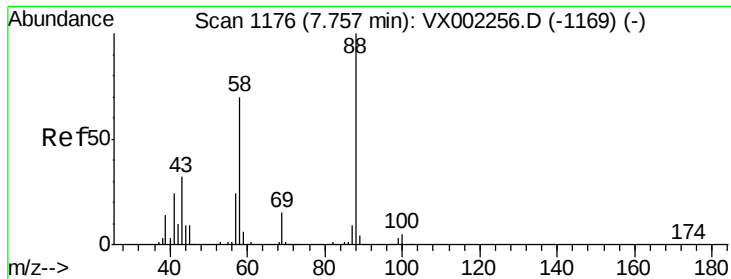
#39
Methylcyclohexane
Concen: 0.37 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion: 83 Resp: 402
Ion Ratio Lower Upper
83 100
55 32.6 65.4 98.0#
98 0.0 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





#49

1,4-Dioxane

Concen: 0.64 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.04 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :

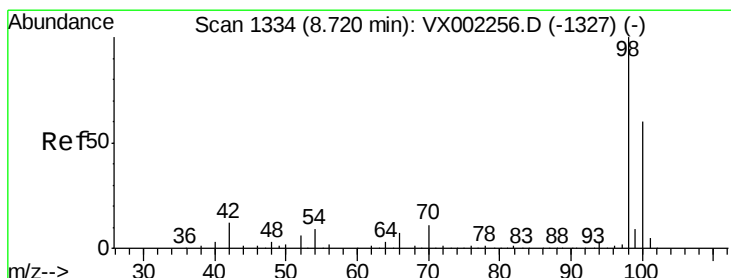
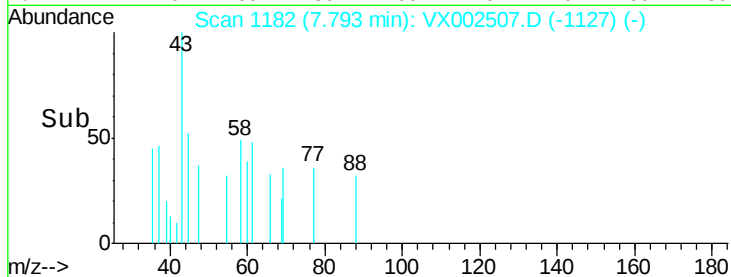
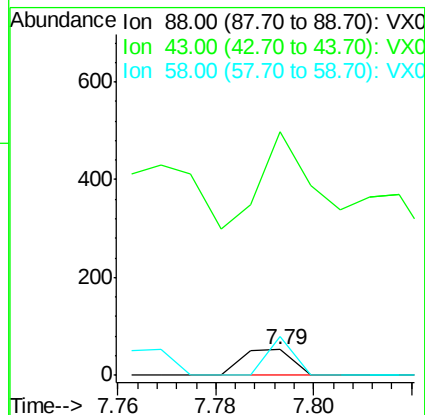
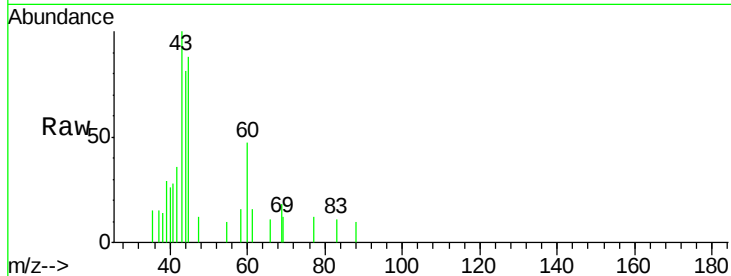
Tot Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 1097.3 29.8 44.6#

58 78.4 57.1 85.7



#50

Toluene-d8

Concen: 48.55 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002507.D

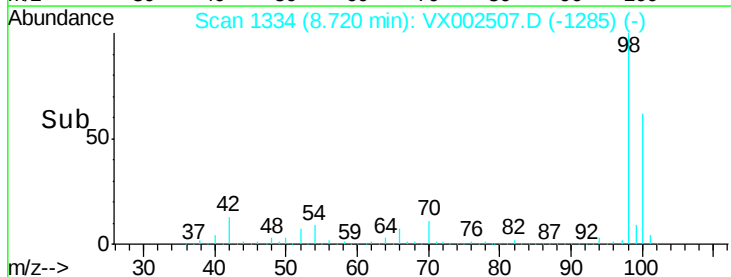
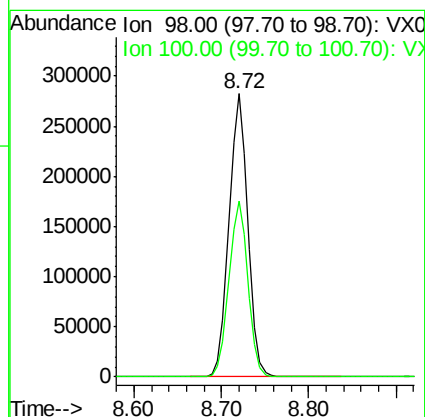
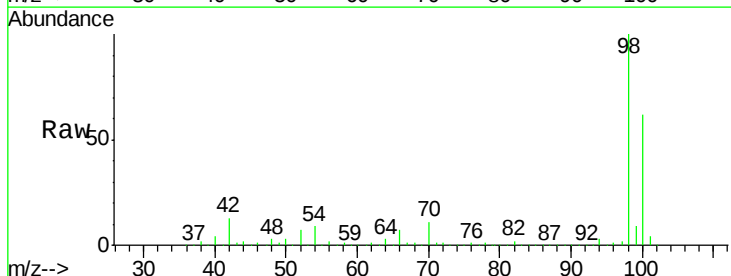
Acq: 13 Jun 2018 13:29

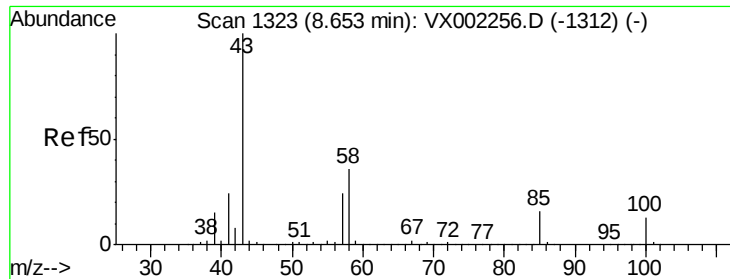
Tgt Ion: 98 Resp: 421079

Ion Ratio Lower Upper

98 100

100 62.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.73 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

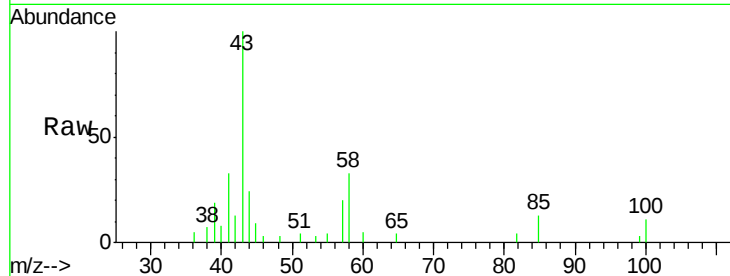
ClientSampled :

Tot Ion: 43 Resp: 2798

Ion Ratio Lower Upper

43 100

58 37.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

1500

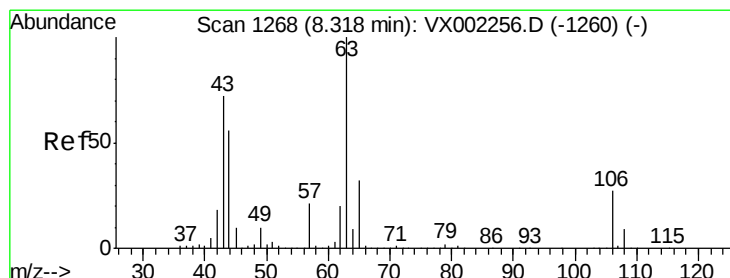
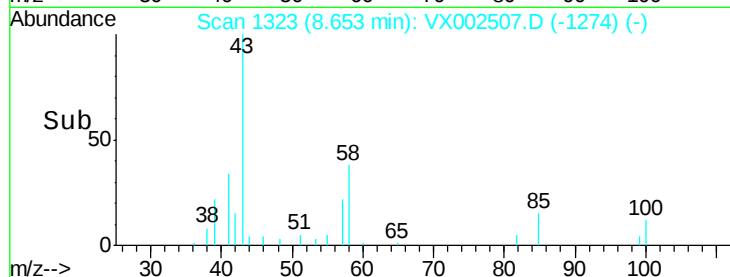
1000

500

0

8.60 8.65 8.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.26 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002507.D

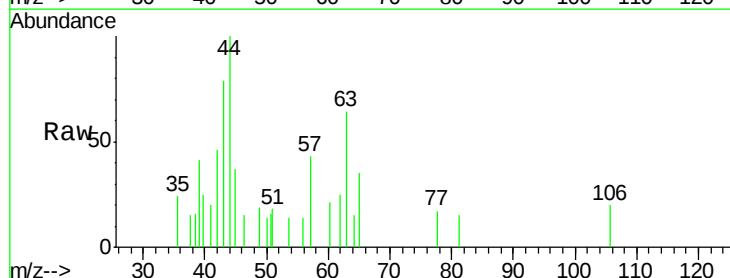
Acq: 13 Jun 2018 13:29

Tgt Ion: 63 Resp: 475

Ion Ratio Lower Upper

63 100

106 29.7 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

250

200

150

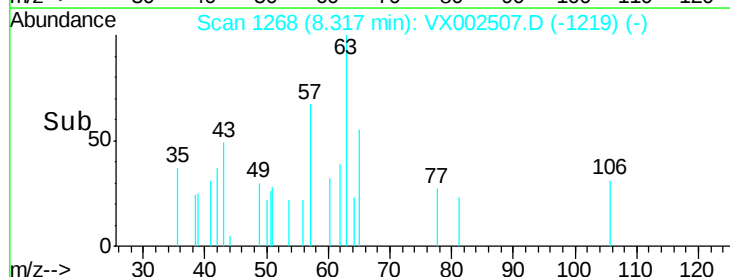
100

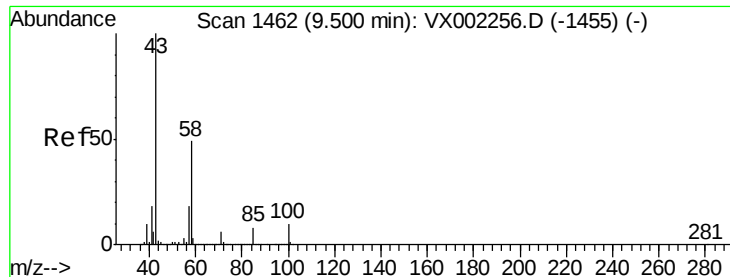
50

0

8.25 8.30 8.35

Time-->

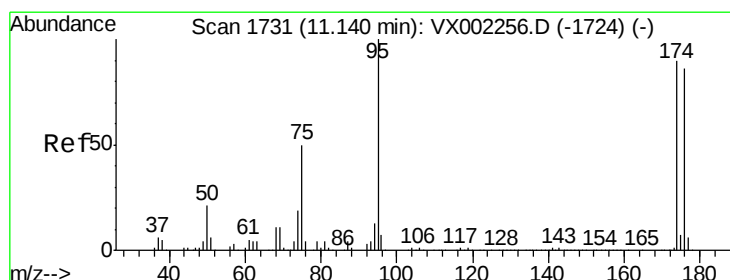
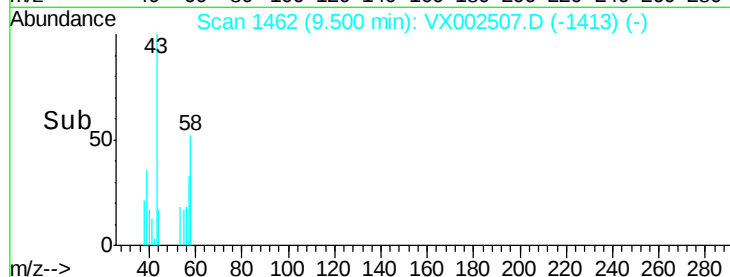
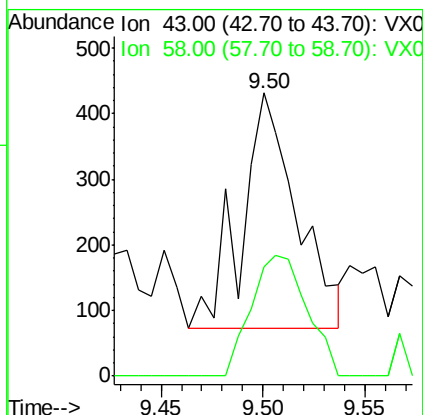
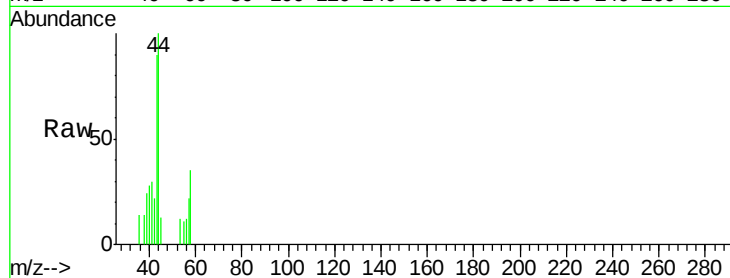




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

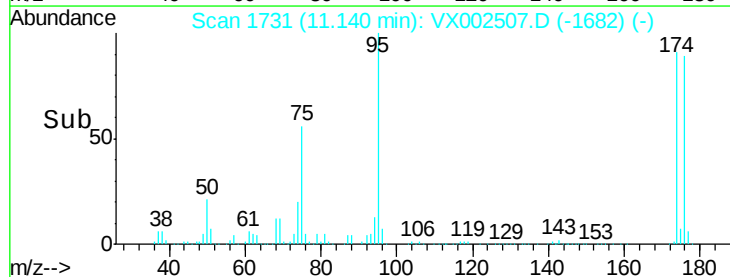
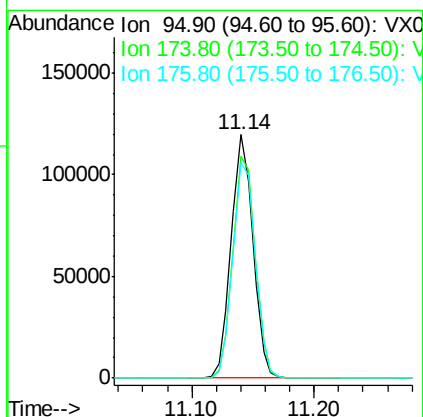
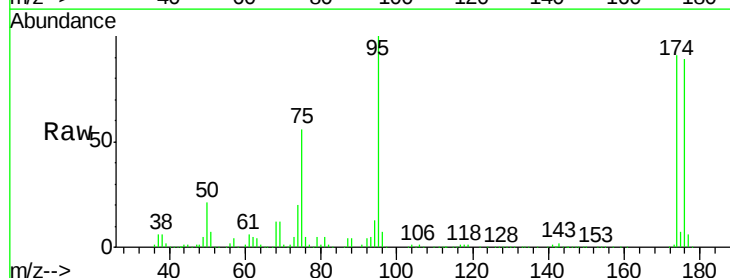
Instrument :
MSVOA_X
ClientSampled :

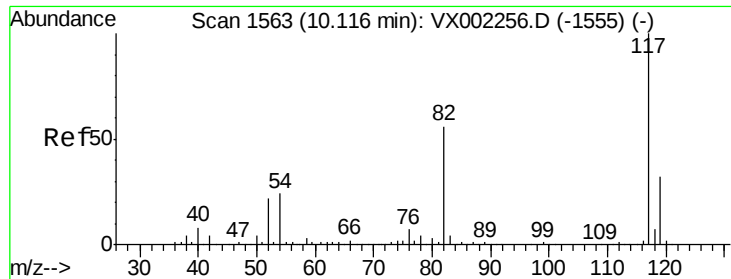
Tot Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
58 51.2 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 43.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion: 95 Resp: 146760
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 91.8 0.0 181.0

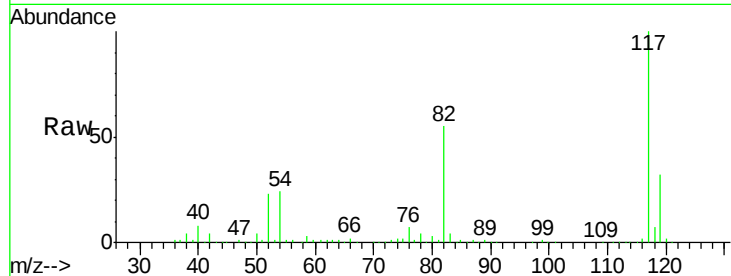




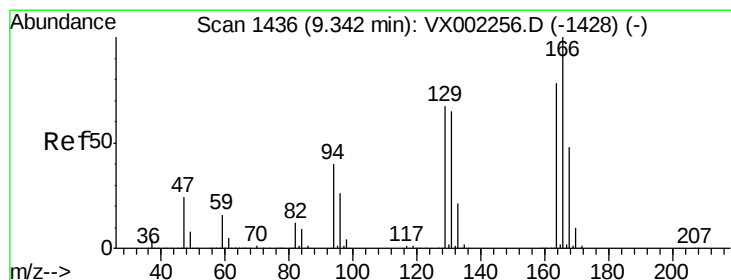
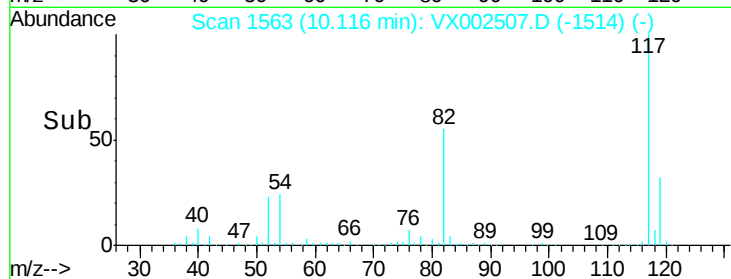
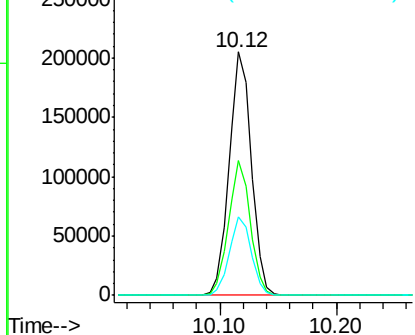
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 271866
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.1 25.8 38.6

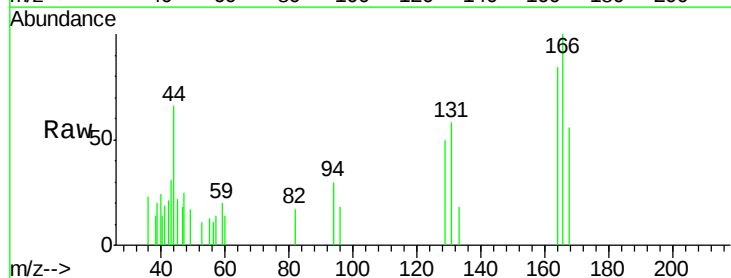


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

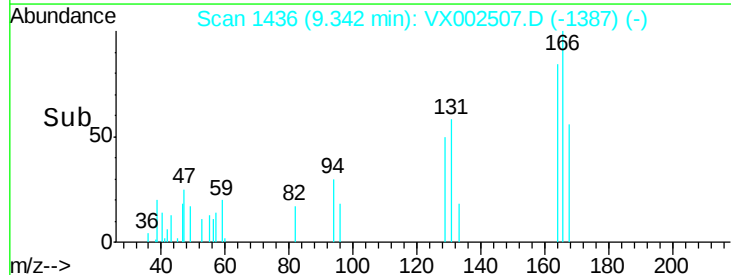
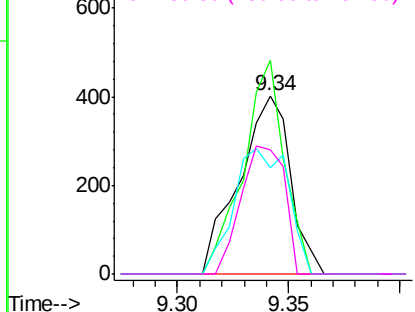


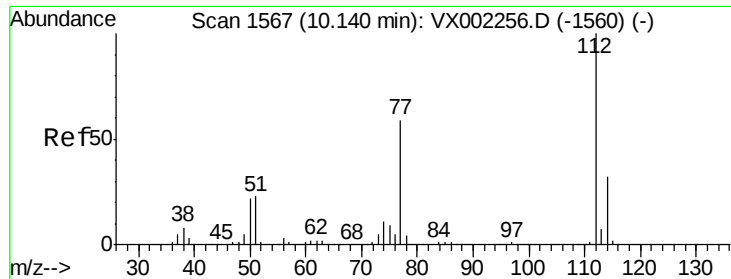
#64
Tetrachloroethene
Concen: 0.23 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion:164 Resp: 646
Ion Ratio Lower Upper
164 100
166 119.6 102.9 154.3
129 59.6 68.6 102.8#
131 69.7 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

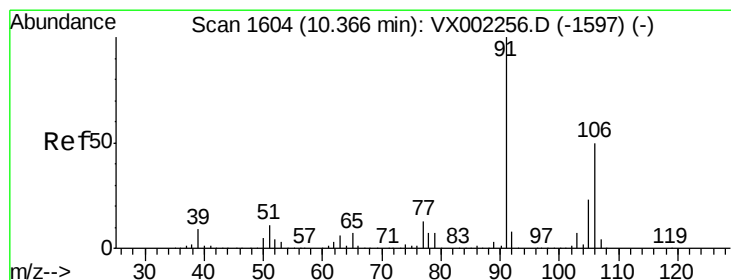
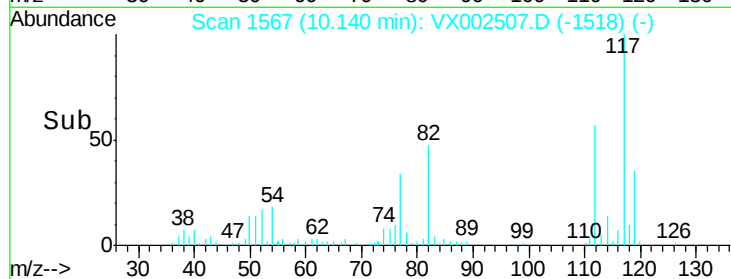
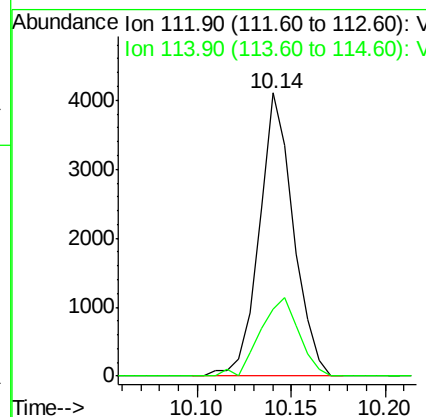
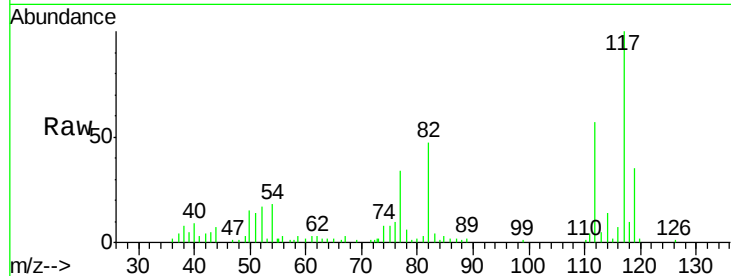




#65
Chlorobenzene
Concen: 0.76 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

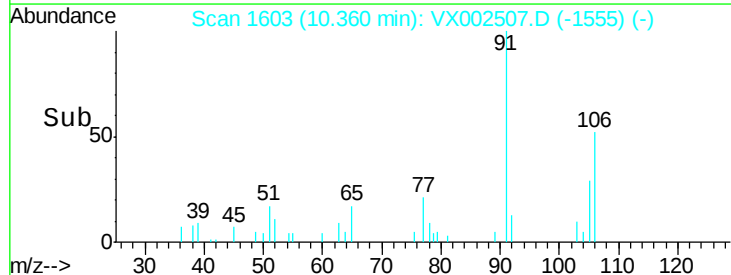
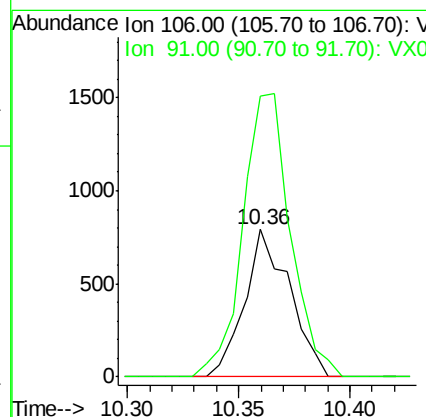
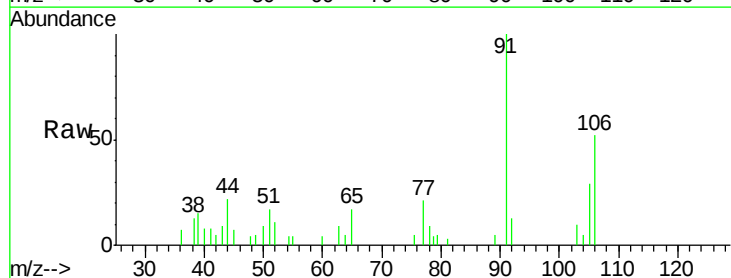
Instrument :
MSVOA_X
ClientSampleId :

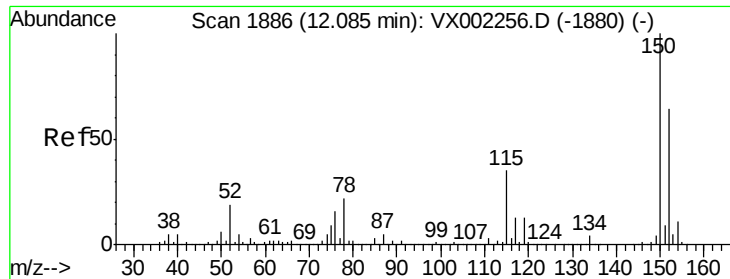
Tot Ion:112 Resp: 5141
Ion Ratio Lower Upper
112 100
114 23.5 25.3 37.9#



#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion:106 Resp: 1112
Ion Ratio Lower Upper
106 100
91 204.5 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampled :

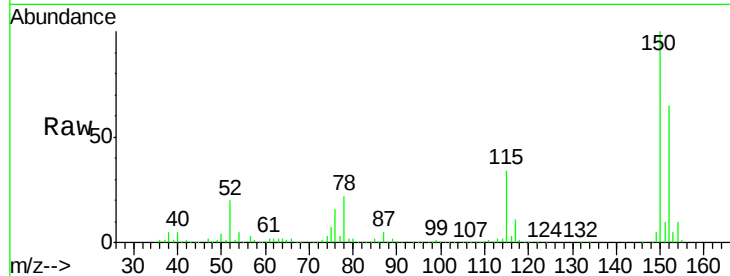
Tot Ion:152 Resp: 153475

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

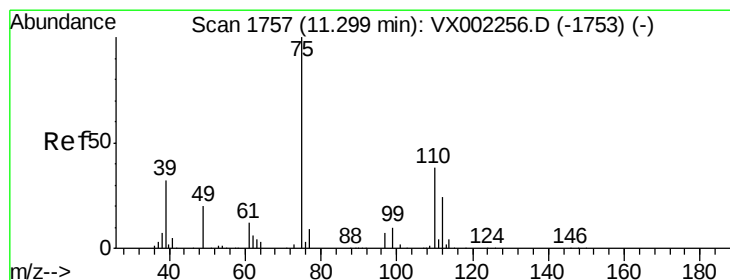
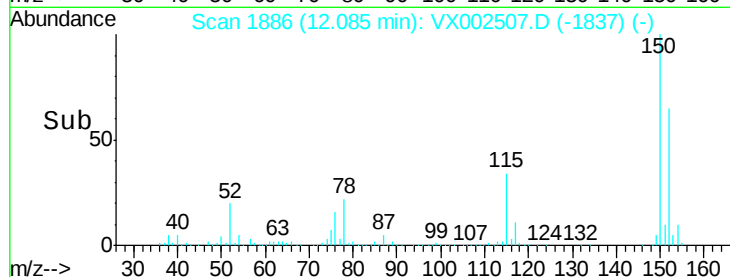
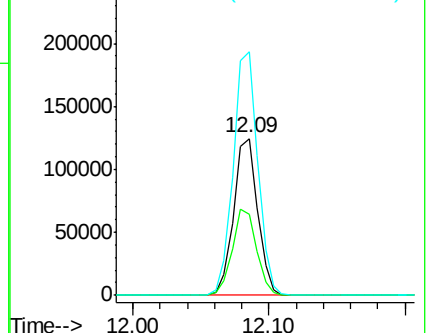
150 158.0 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 24.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002507.D

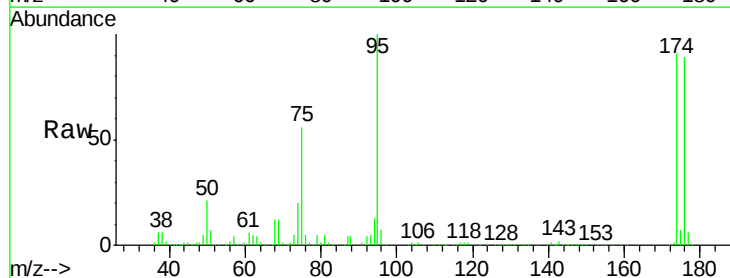
Acq: 13 Jun 2018 13:29

Tgt Ion: 75 Resp: 81352

Ion Ratio Lower Upper

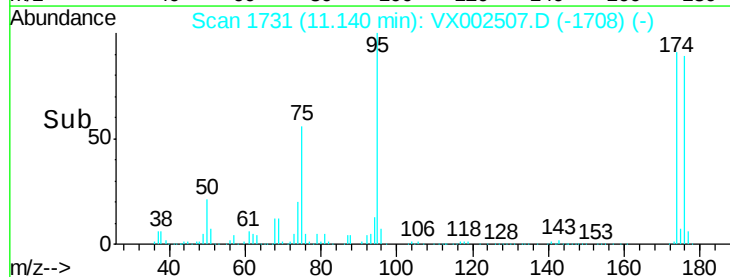
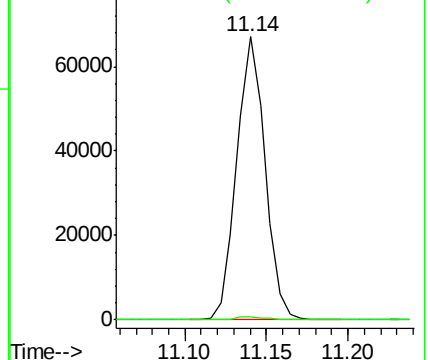
75 100

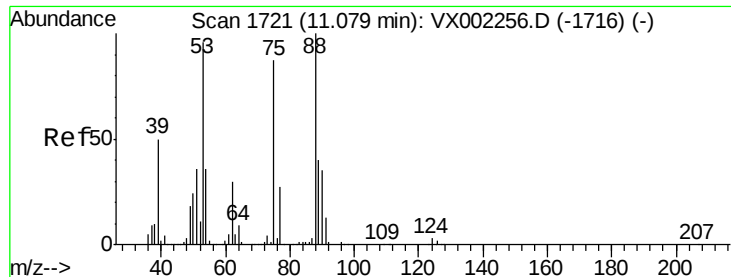
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 84.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002507.D

Acq: 13 Jun 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

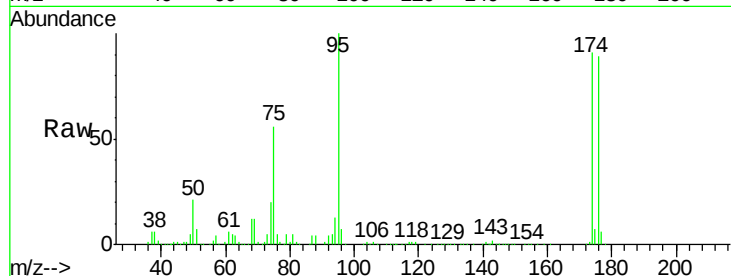
Tot Ion: 75 Resp: 81352

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

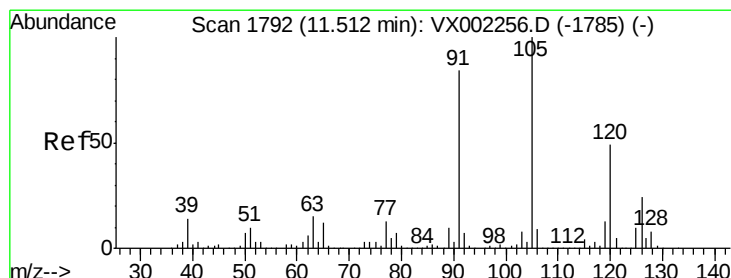
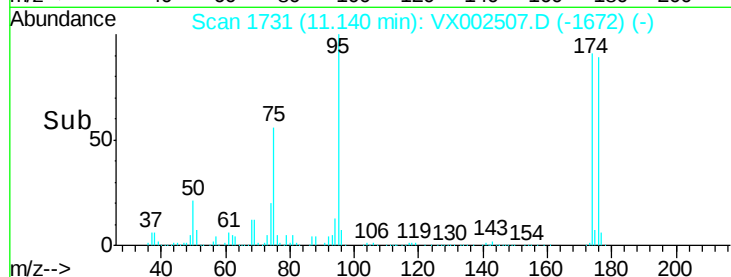
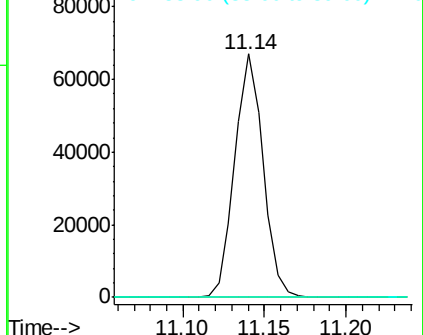
89 0.0 38.2 57.2#



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: 0.21 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX002507.D

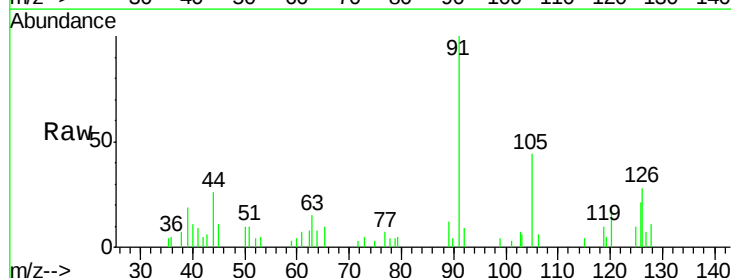
Acq: 13 Jun 2018 13:29

Tgt Ion: 91 Resp: 1831

Ion Ratio Lower Upper

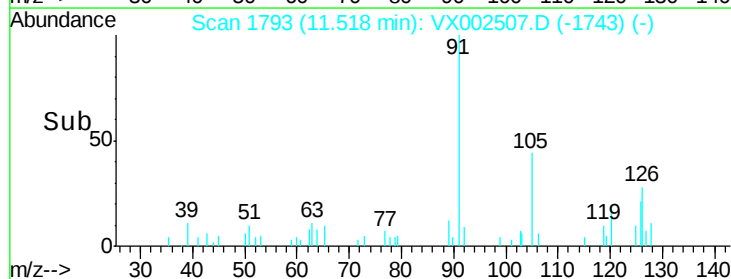
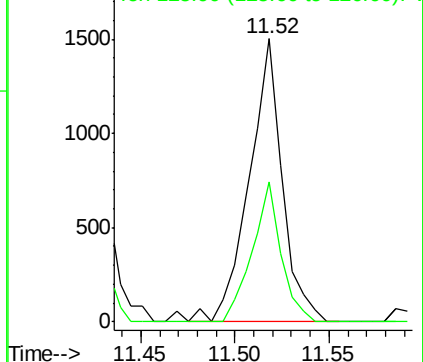
91 100

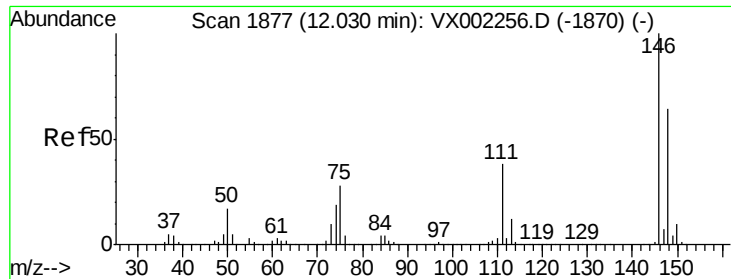
126 42.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

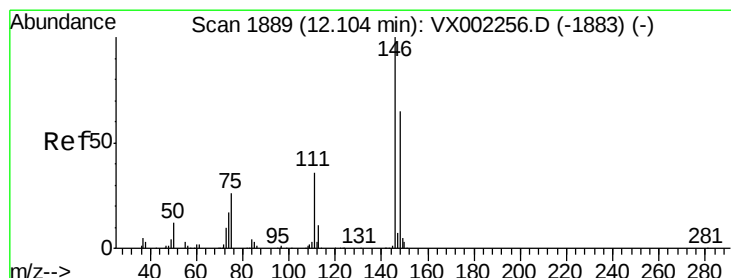
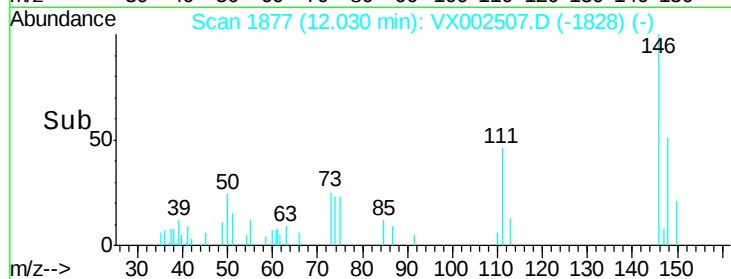
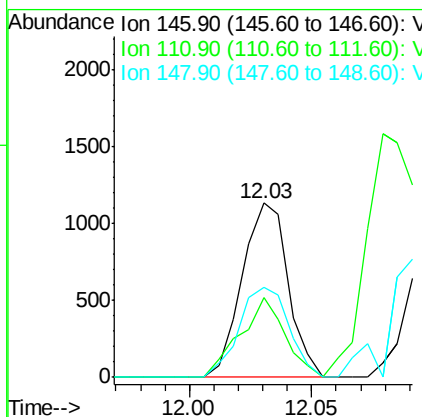
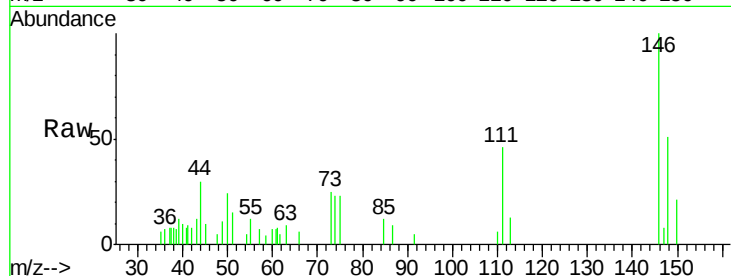




#87
 1,3-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002507.D
 Acq: 13 Jun 2018 13:29

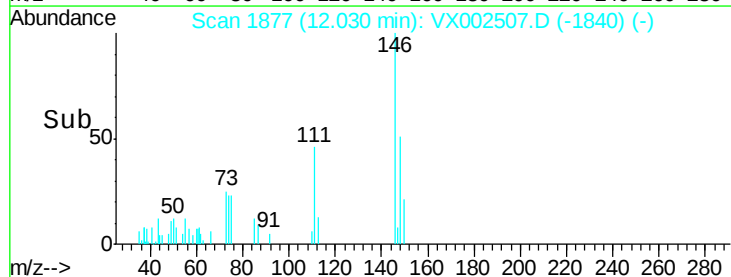
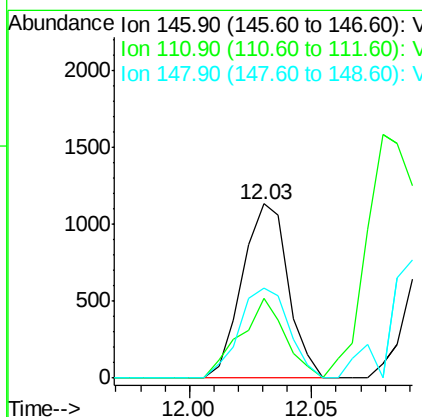
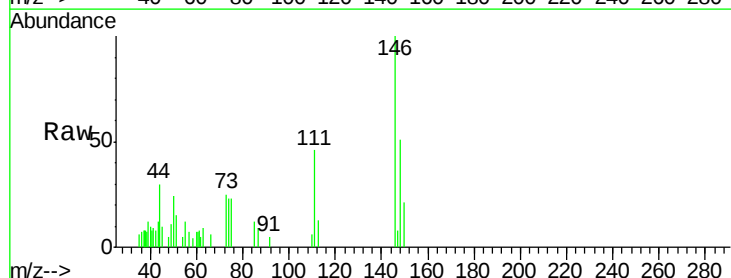
Instrument :
 MSVOA_X
 ClientSampleId :

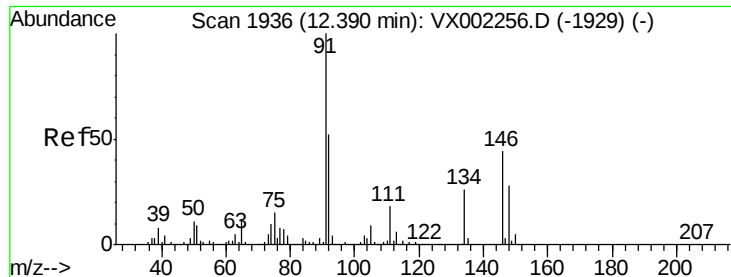
Tot Ion:146 Resp: 1484
 Ion Ratio Lower Upper
 146 100
 111 44.5 18.9 56.7
 148 55.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 0.27 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX002507.D
 Acq: 13 Jun 2018 13:29

Tgt Ion:146 Resp: 1484
 Ion Ratio Lower Upper
 146 100
 111 44.5 18.7 56.1
 148 55.9 32.4 97.0

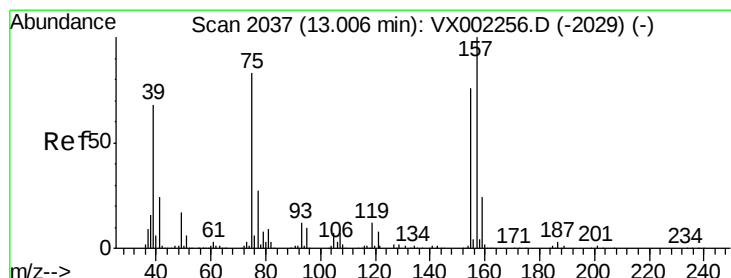
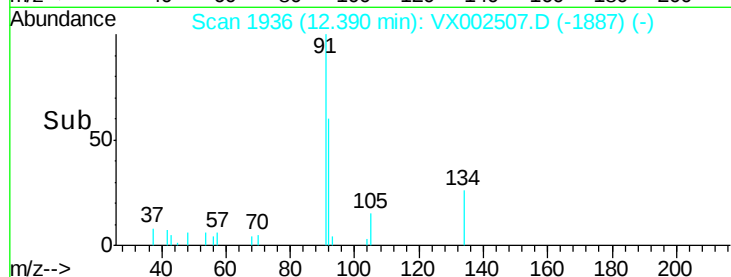
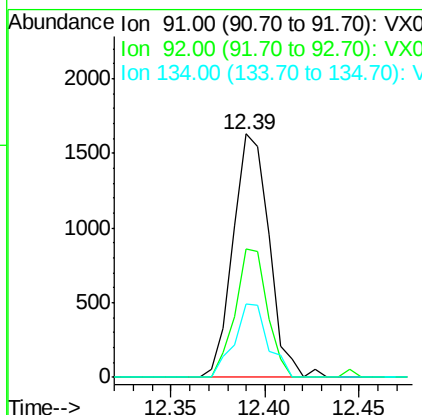
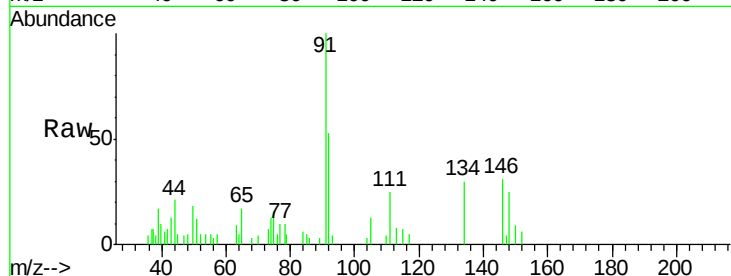




#89
n-Butylbenzene
Concen: 0.27 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

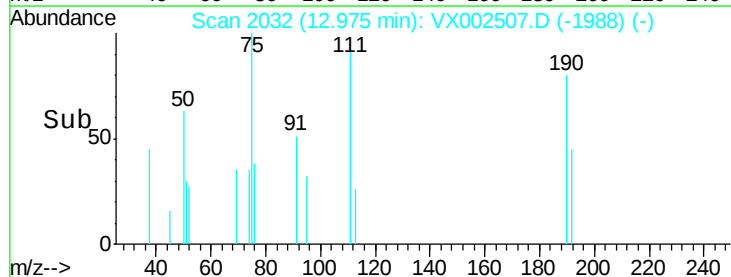
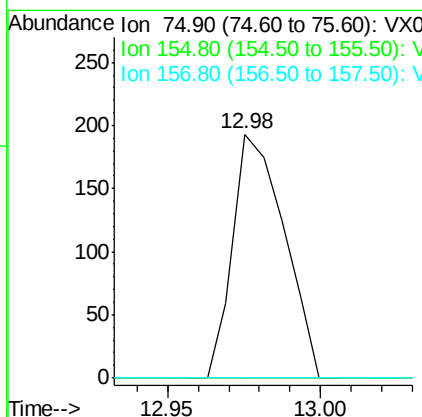
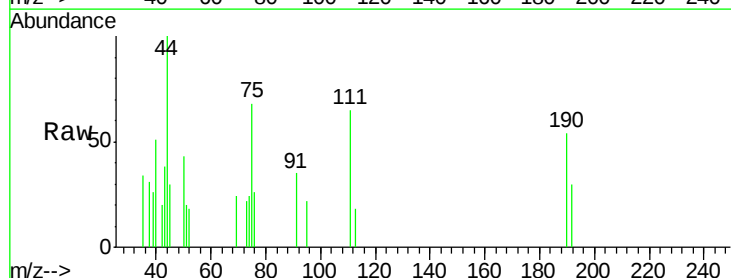
Instrument :
MSVOA_X
ClientSampled :

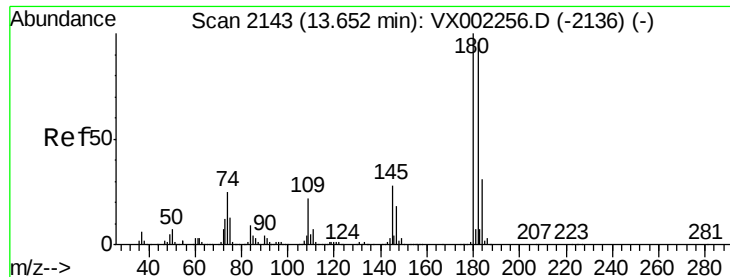
Tot Ion: 91 Resp: 2164
Ion Ratio Lower Upper
91 100
92 47.0 26.0 78.0
134 27.9 13.5 40.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.31 ug/l
RT: 12.98 min Scan# 2032
Delta R.T. -0.03 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion: 75 Resp: 225
Ion Ratio Lower Upper
75 100
155 0.0 45.8 137.4#
157 0.0 60.1 180.3#

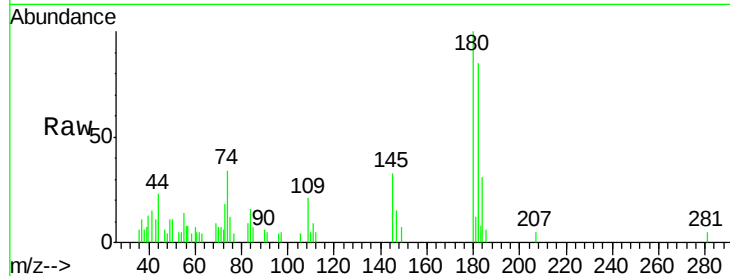




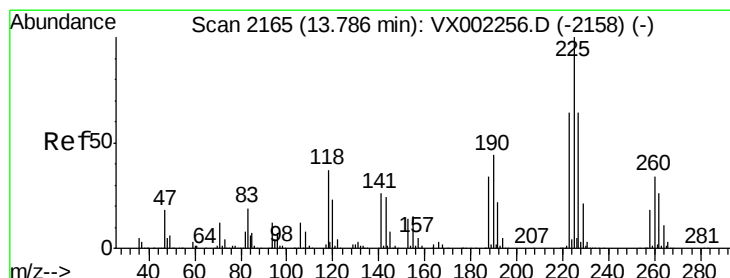
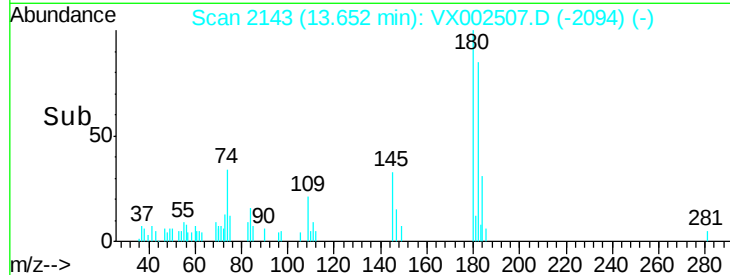
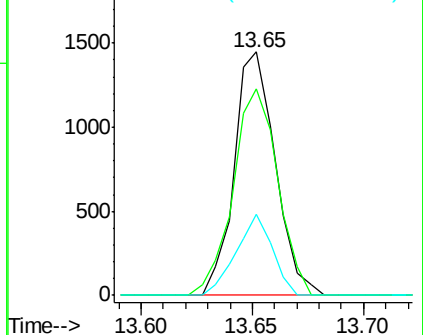
#93
 1,2,4-Trichlorobenzene
 Concen: 0.48 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002507.D
 Acq: 13 Jun 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1865
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.7 143.1
 145 29.3 14.1 42.4

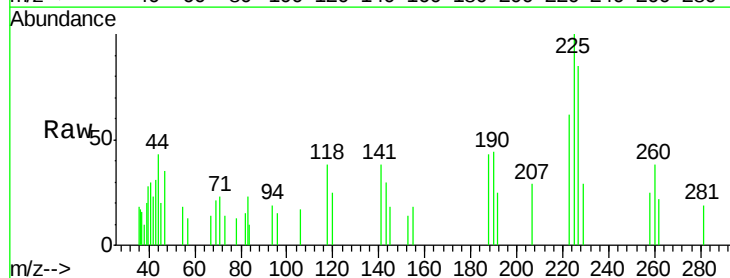


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

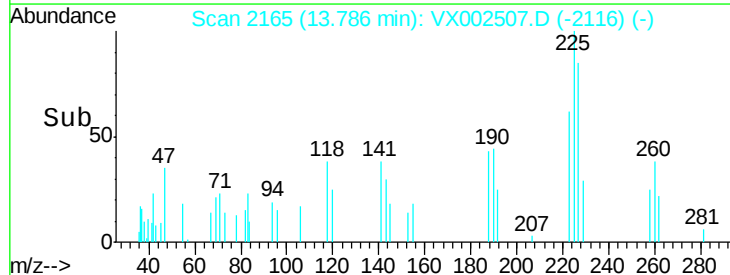
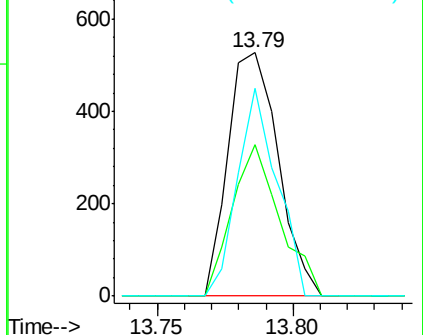


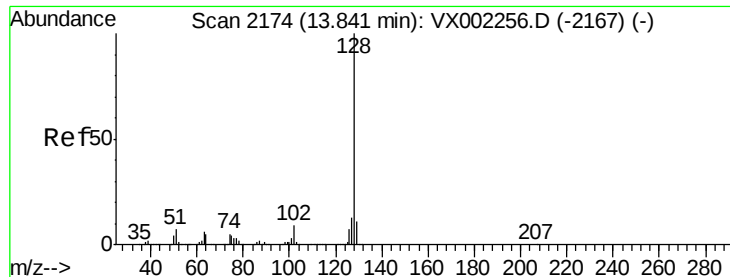
#94
 Hexachlorobutadiene
 Concen: 0.35 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002507.D
 Acq: 13 Jun 2018 13:29

Tgt Ion:225 Resp: 676
 Ion Ratio Lower Upper
 225 100
 223 58.7 31.6 95.0
 227 67.0 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

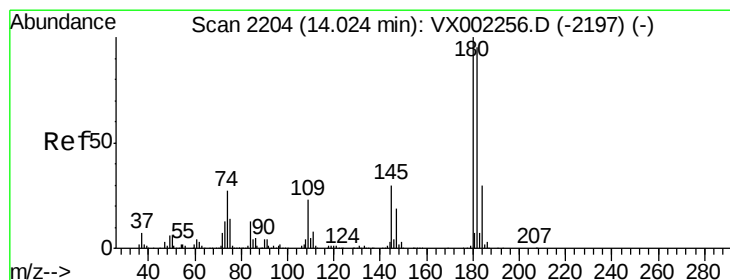
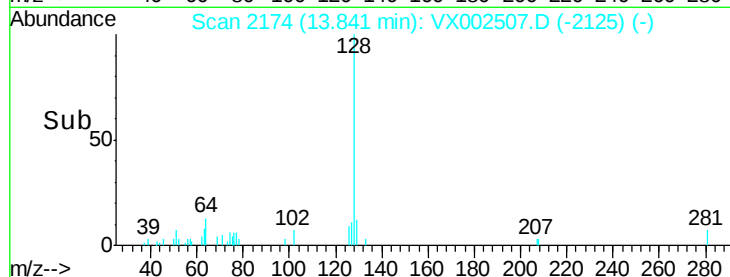
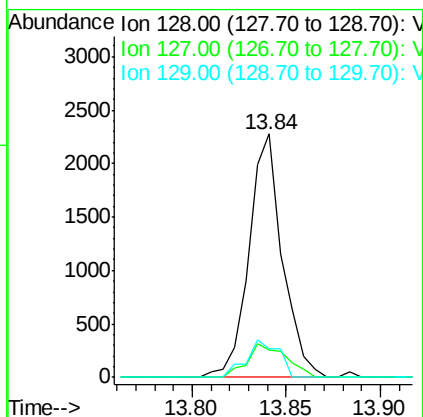
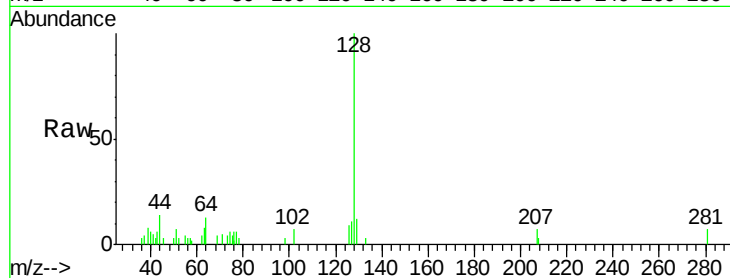




#95
Naphthalene
Concen: 0.25 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 2796
Ion Ratio Lower Upper
128 100
127 15.9 10.4 15.6#
129 14.8 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.39 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX002507.D
Acq: 13 Jun 2018 13:29

Tgt Ion:180 Resp: 1532
Ion Ratio Lower Upper
180 100
182 86.0 48.0 144.0
145 28.3 14.8 44.3

