

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
 Data File : VX003126.D
 Acq On : 02 Jul 2018 14:42
 Operator : JC/MD
 Sample : J3787-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-GMZ5-TB2

Quant Time: Jul 03 06:56:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195575	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	174302	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
35) Dibromofluoromethane	5.51	113	143716	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.72	98	528856	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.14	95	185132	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

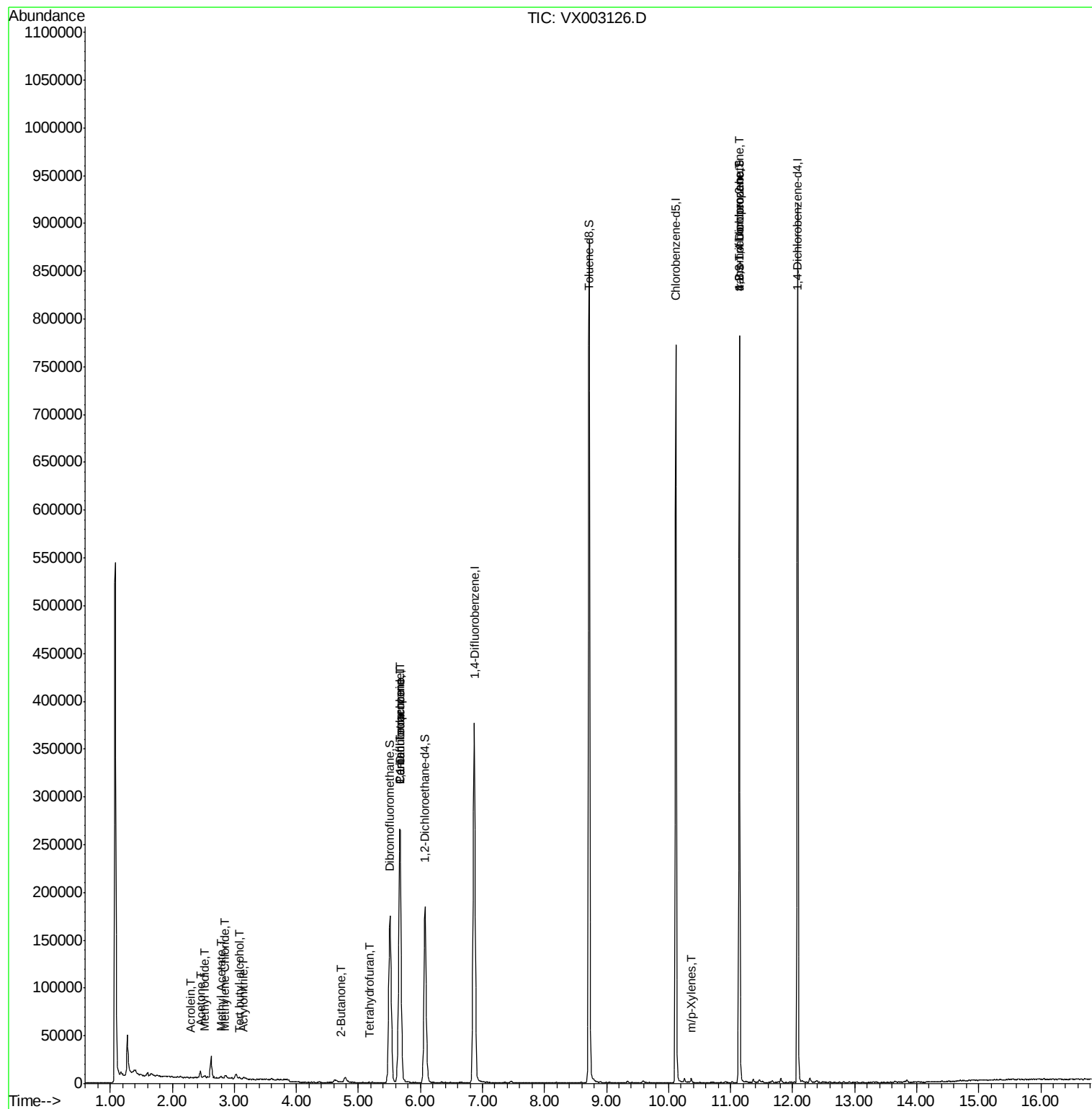
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	84	Below Cal	#	43
3) Chloromethane	1.32	50	1004	Below Cal	#	77
5) Bromomethane	1.61	94	106	Below Cal	#	3
6) Chloroethane	1.70	64	331	Below Cal		99
10) Methyl Iodide	2.52	142	2882	7.04	ug/l	# 93
11) Tert butyl alcohol	3.08	59	1267	1.67	ug/l	# 55
13) Acrolein	2.30	56	172	4.63	ug/l	# 1
15) Acrylonitrile	3.15	53	484	0.30	ug/l	91
16) Acetone	2.45	43	7417	4.71	ug/l	95
18) Methyl Acetate	2.78	43	1836	0.42	ug/l	# 84
20) Methylene Chloride	2.86	84	1205	0.39	ug/l	87
25) 2-Butanone	4.71	43	624	0.27	ug/l	94
29) Tetrahydrofuran	5.17	42	657	0.44	ug/l	# 55
36) 1,1-Dichloropropene	5.67	75	17897	4.30	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24669	5.40	ug/l	# 16
68) m/p-Xylenes	10.37	106	1195	0.21	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	94222	26.60	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	94222	75.34	ug/l	# 7

(#) = 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# 833

Delta R.T. -0.00 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

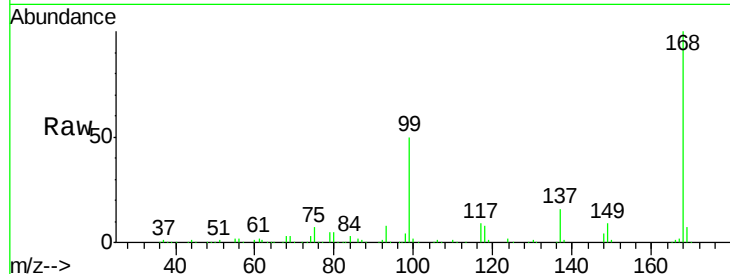
SP18-GMZ5-TB2

Tot Ion:168 Resp: 275216

Ion Ratio Lower Upper

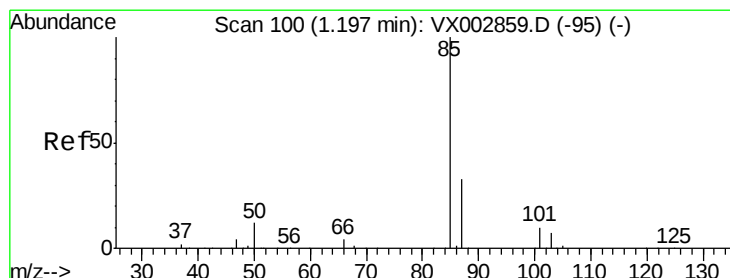
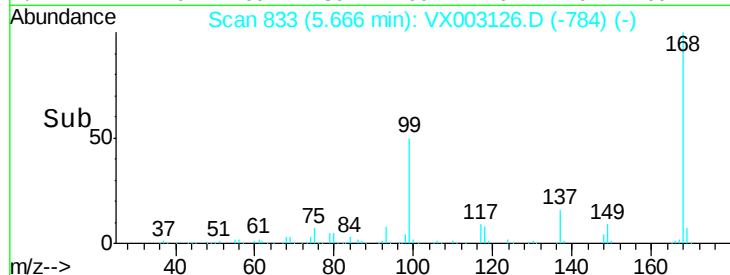
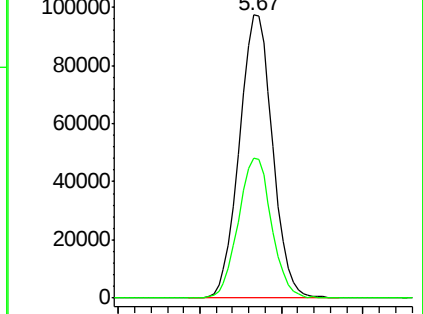
168 100

99 49.6 39.3 58.9



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: VX003126.D

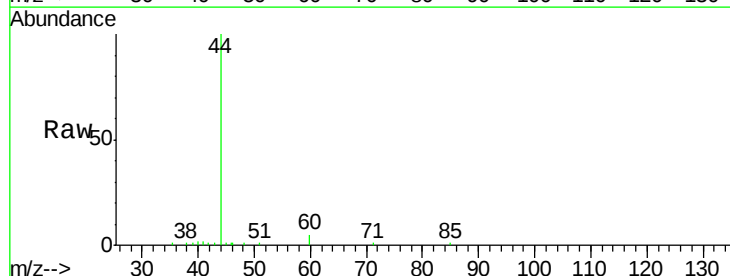
Acq: 02 Jul 2018 14:42

Tgt Ion: 85 Resp: 84

Ion Ratio Lower Upper

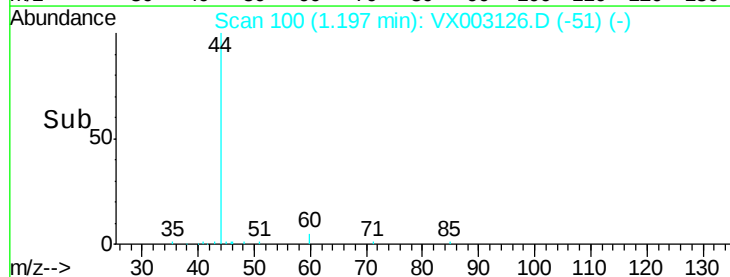
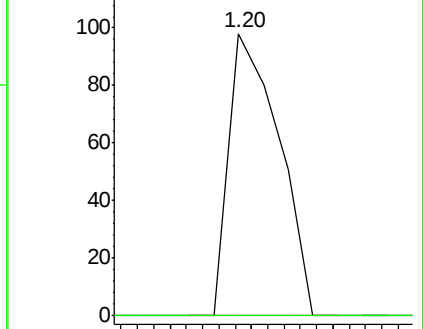
85 100

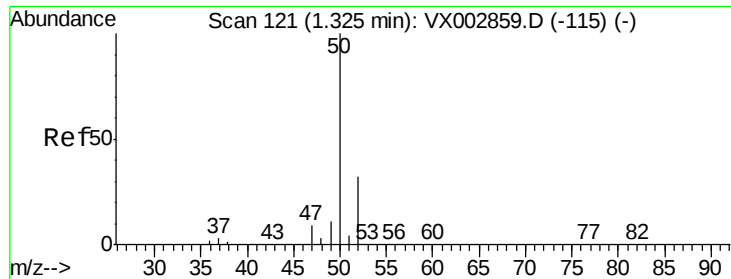
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

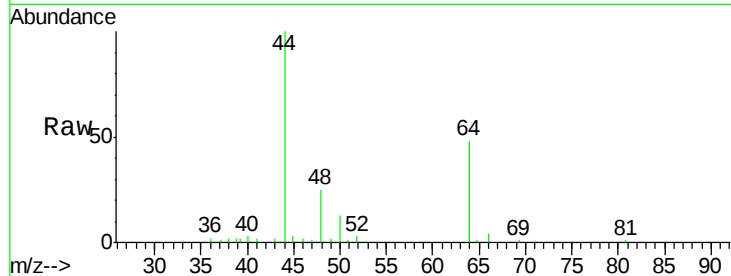
SP18-GMZ5-TB2

Tot Ion: 50 Resp: 1004

Ion Ratio Lower Upper

50 100

52 19.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

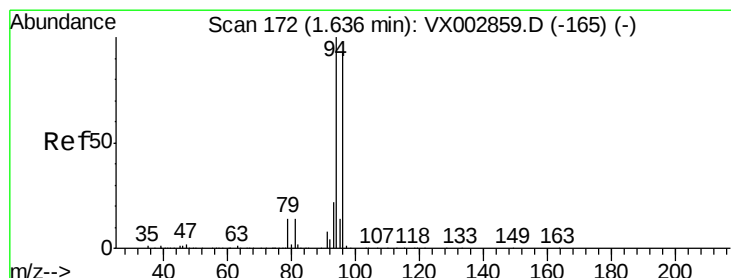
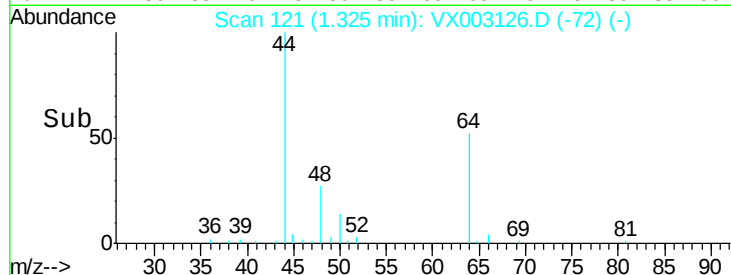
400

200

0

1.30 1.35

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX003126.D

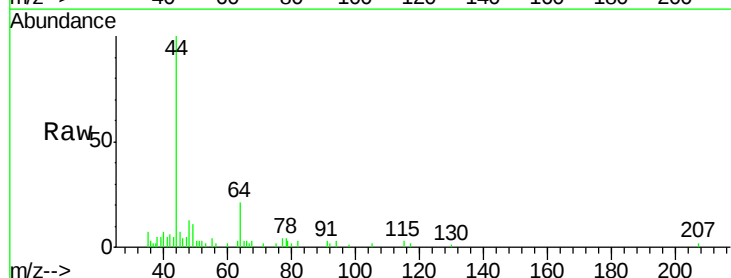
Acq: 02 Jul 2018 14:42

Tgt Ion: 94 Resp: 106

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

120

100

80

60

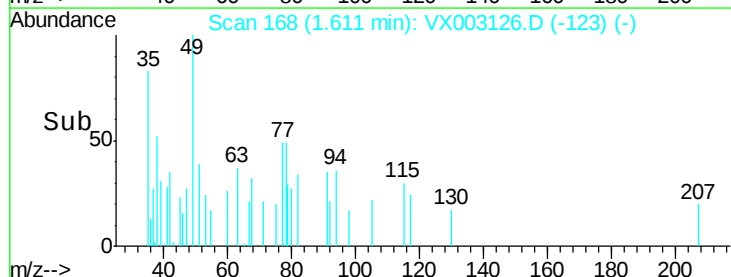
40

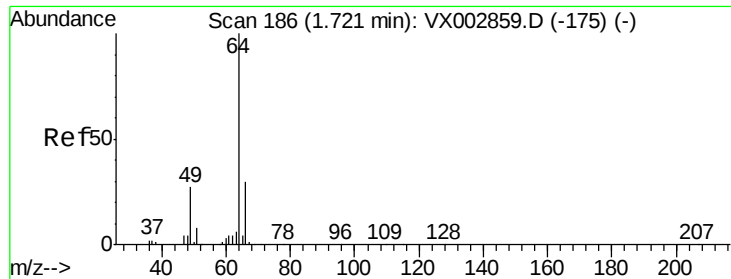
20

0

1.59 1.60 1.61 1.62

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

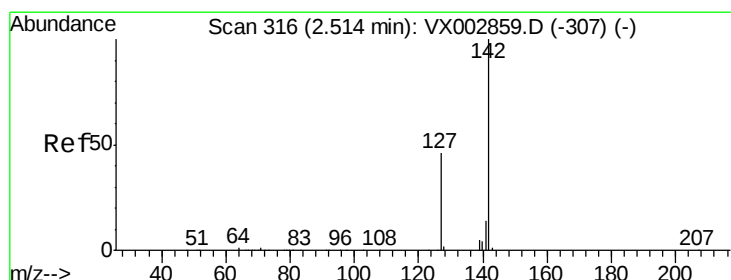
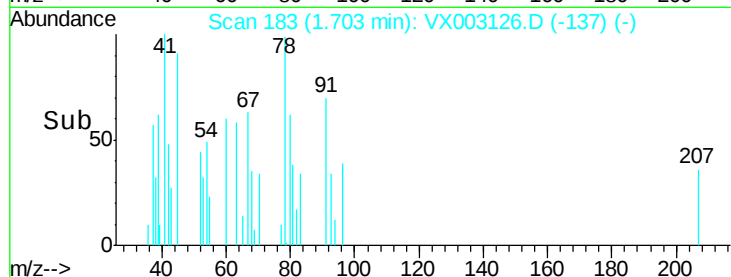
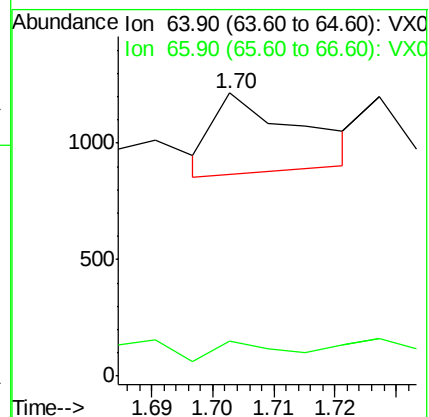
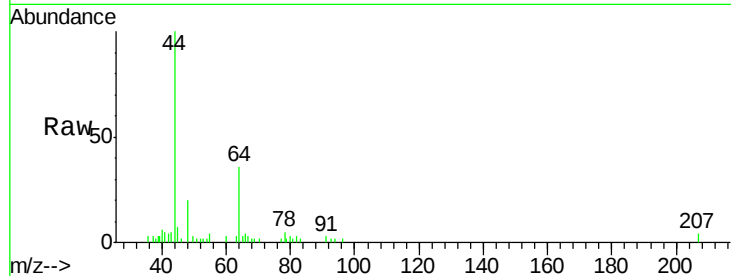
SP18-GMZ5-TB2

Tot Ion: 64 Resp: 331

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



#10

Methyl Iodide

Concen: 7.04 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

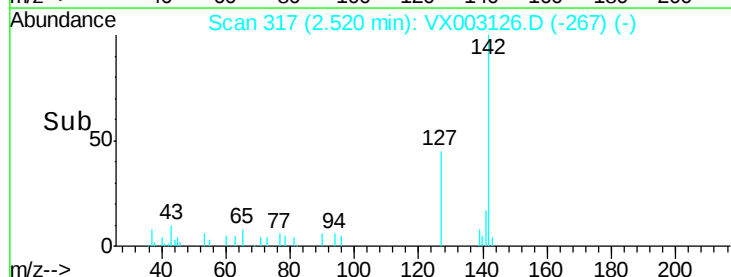
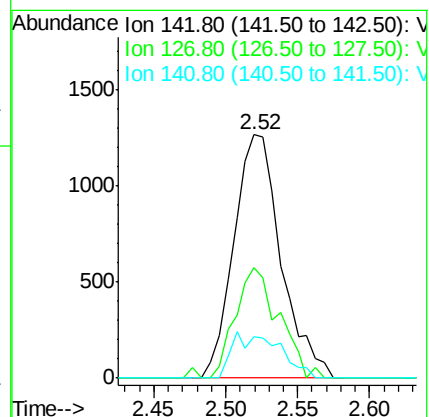
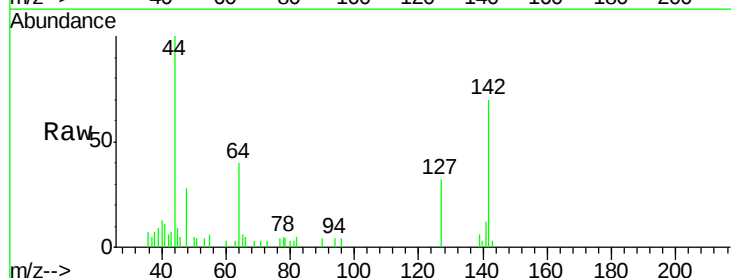
Tgt Ion: 142 Resp: 2882

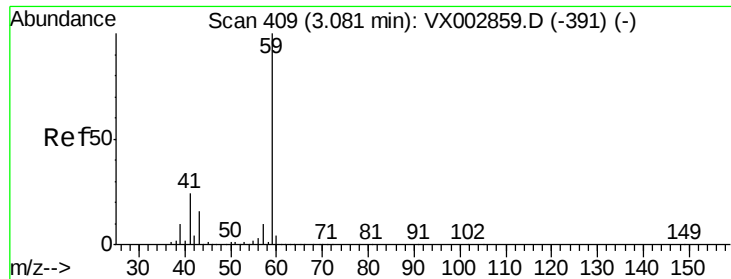
Ion Ratio Lower Upper

142 100

127 42.0 36.6 55.0

141 18.6 11.3 16.9#

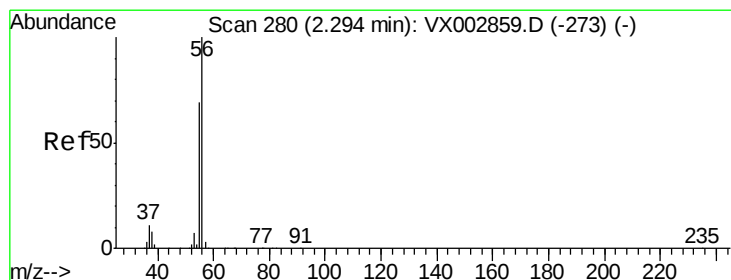
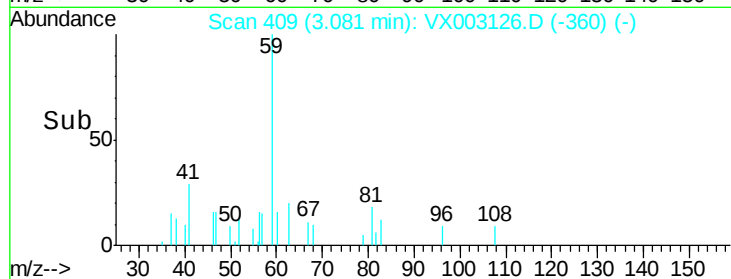
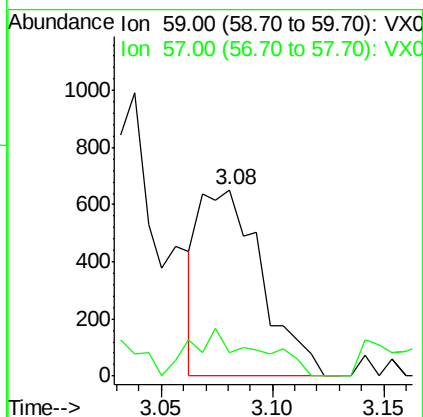
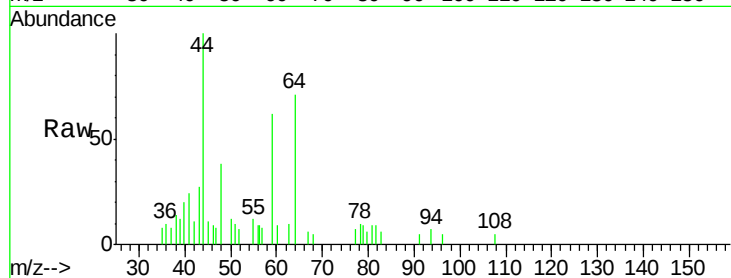




#11
Tert butyl alcohol
Concen: 1.67 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX003126.D
Acq: 02 Jul 2018 14:42

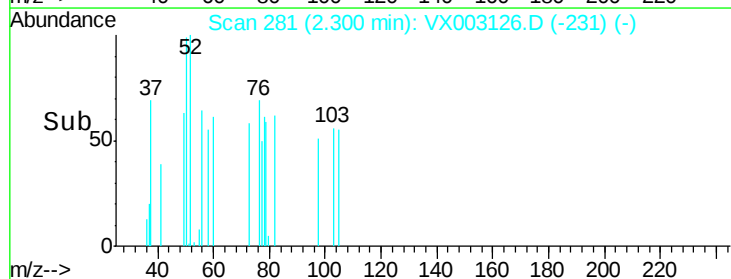
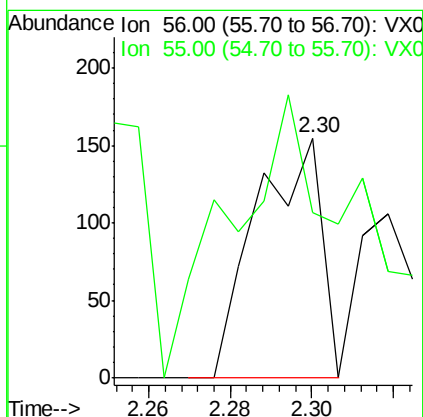
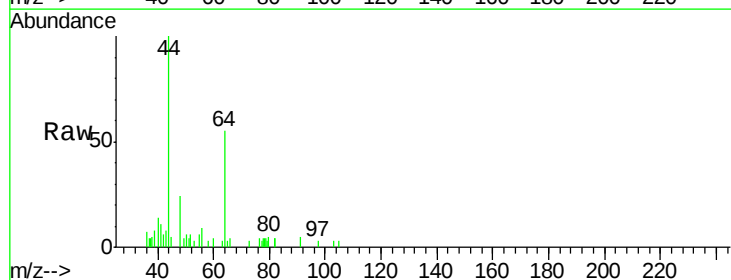
Instrument :
MSVOA_X
ClientSampleId :
SP18-GMZ5-TB2

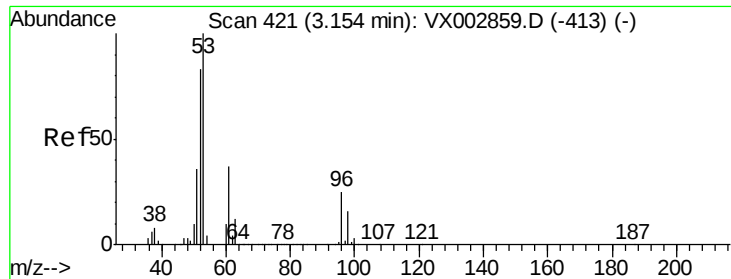
Tot Ion: 59 Resp: 1267
Ion Ratio Lower Upper
59 100
57 26.9 8.2 12.2#



#13
Acrolein
Concen: 4.63 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003126.D
Acq: 02 Jul 2018 14:42

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 220.9 57.0 85.4#





#15

Acrylonitrile

Concen: 0.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampled :

SP18-GMZ5-TB2

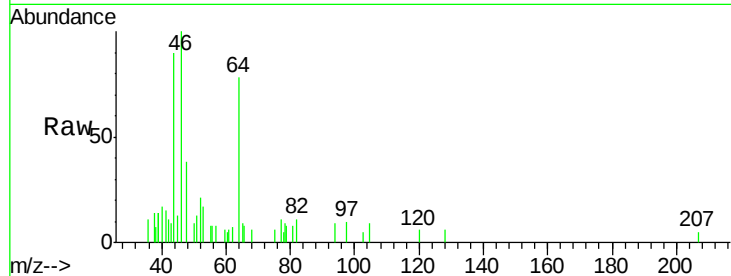
Tot Ion: 53 Resp: 484

Ion Ratio Lower Upper

53 100

52 74.4 66.7 100.1

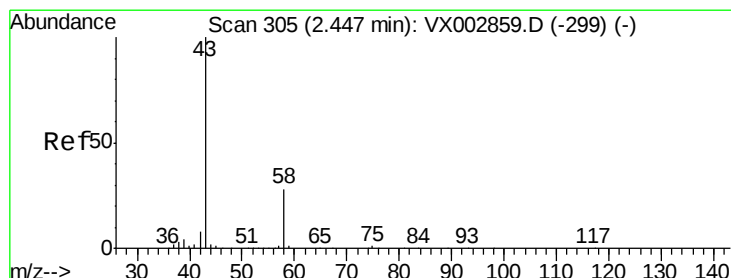
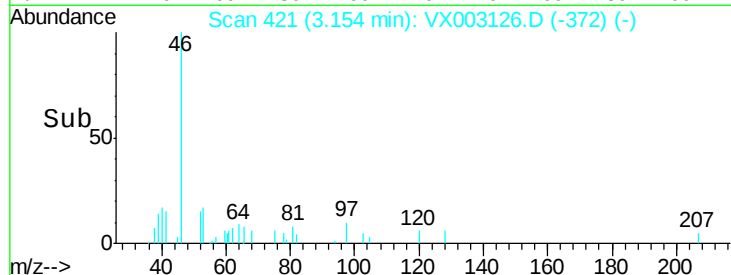
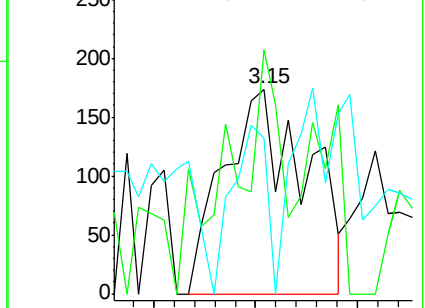
51 34.3 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.71 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003126.D

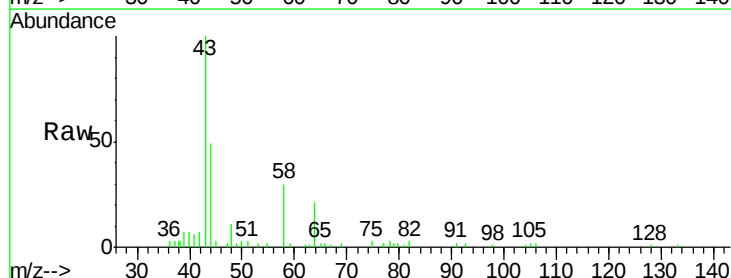
Acq: 02 Jul 2018 14:42

Tgt Ion: 43 Resp: 7417

Ion Ratio Lower Upper

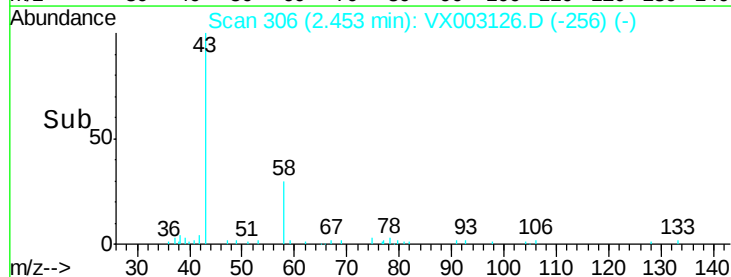
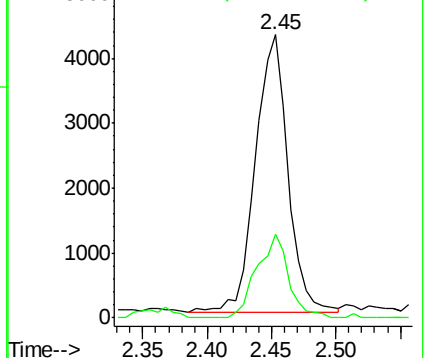
43 100

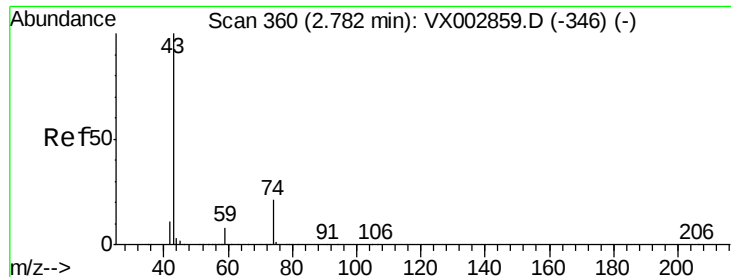
58 30.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 0.42 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

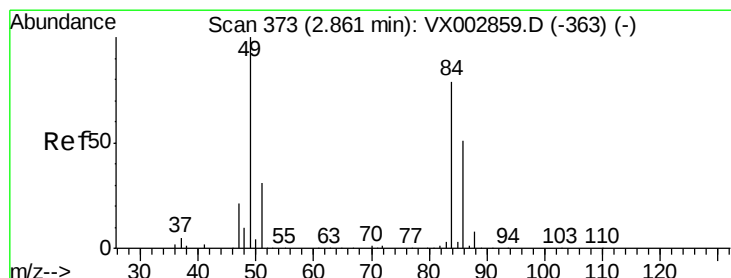
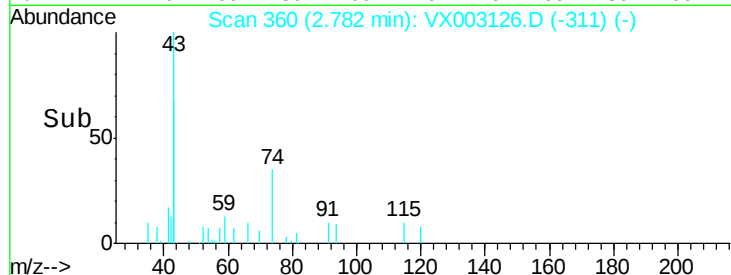
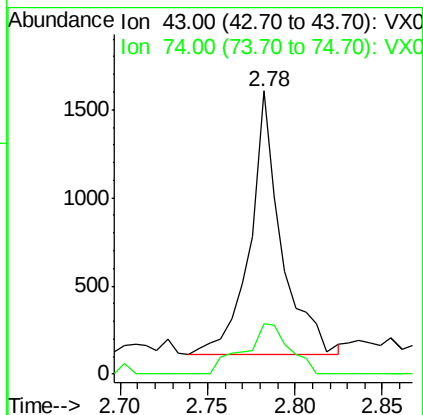
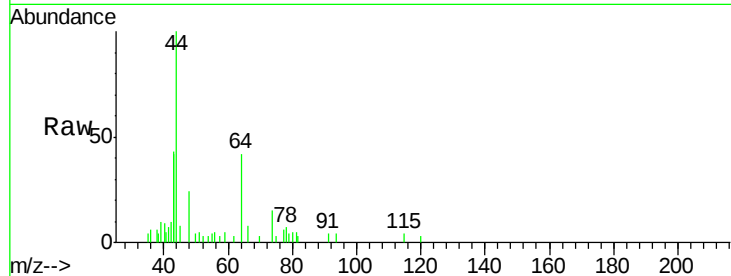
SP18-GMZ5-TB2

Tot Ion: 43 Resp: 1836

Ion Ratio Lower Upper

43 100

74 28.4 16.7 25.1#



#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Tgt Ion: 84 Resp: 1205

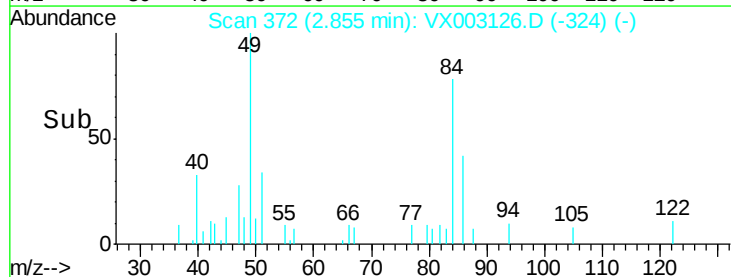
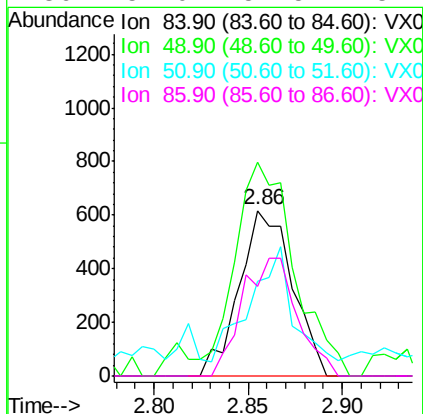
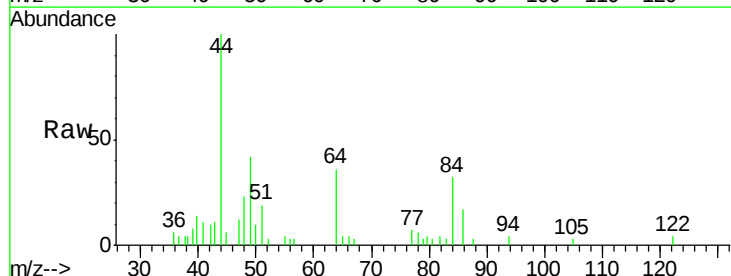
Ion Ratio Lower Upper

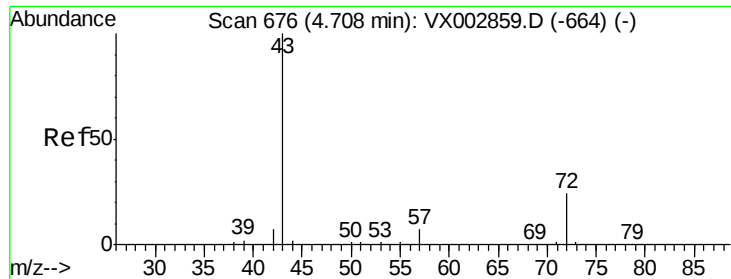
84 100

49 119.1 107.8 161.6

51 48.2 32.8 49.2

86 54.0 52.5 78.7





#25

2-Butanone

Concen: 0.27 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

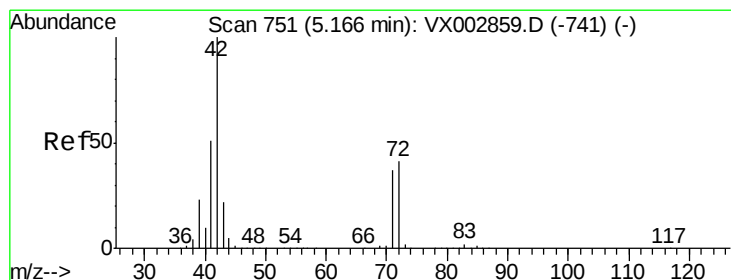
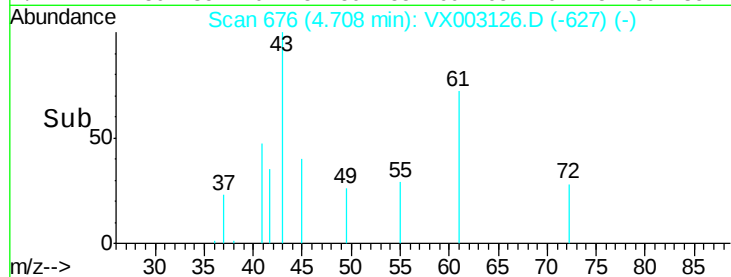
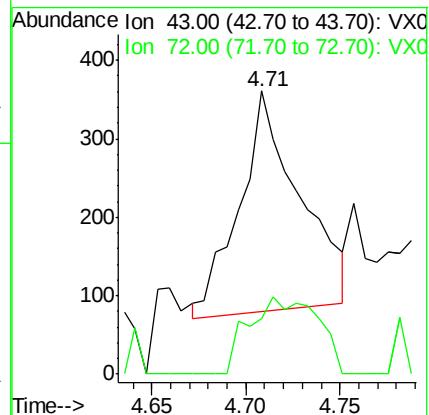
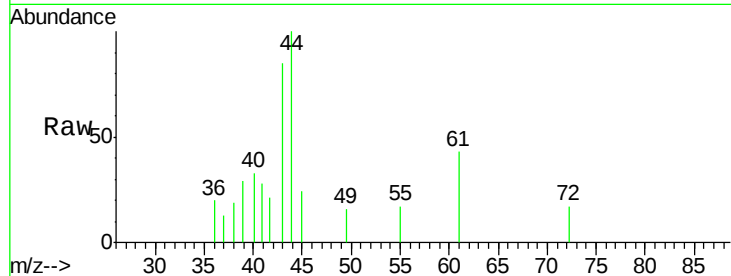
SP18-GMZ5-TB2

Tot Ion: 43 Resp: 624

Ion Ratio Lower Upper

43 100

72 26.2 18.5 27.7



#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

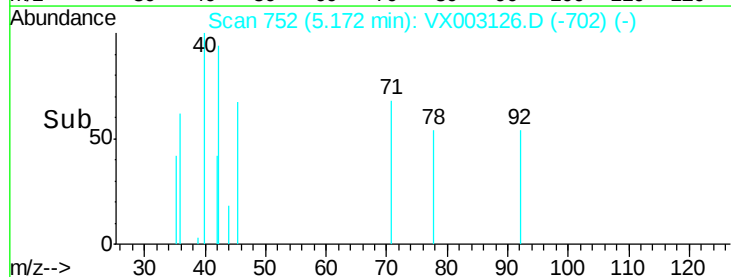
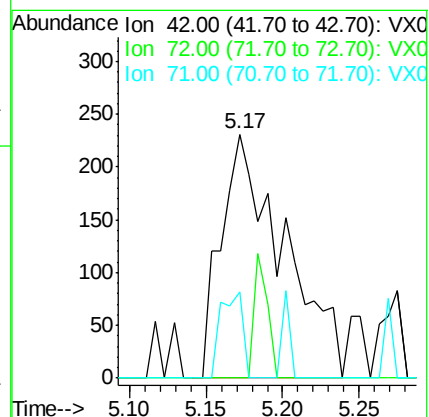
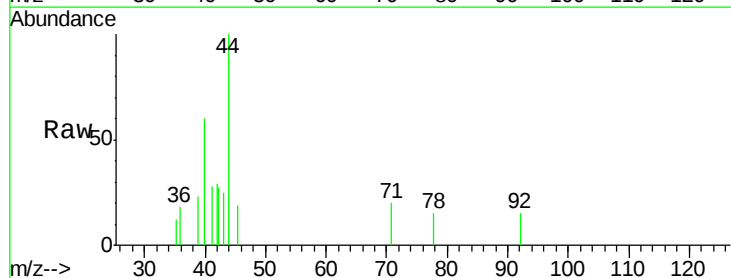
Tgt Ion: 42 Resp: 657

Ion Ratio Lower Upper

42 100

72 10.5 32.0 48.0#

71 12.3 30.1 45.1#

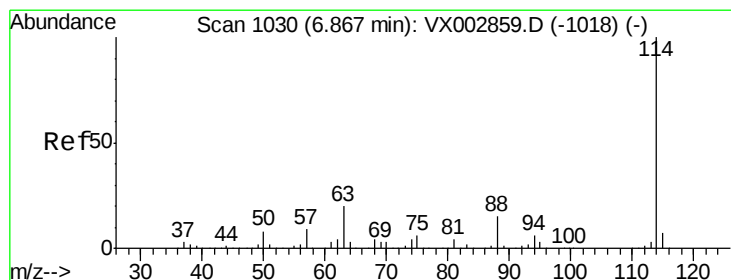
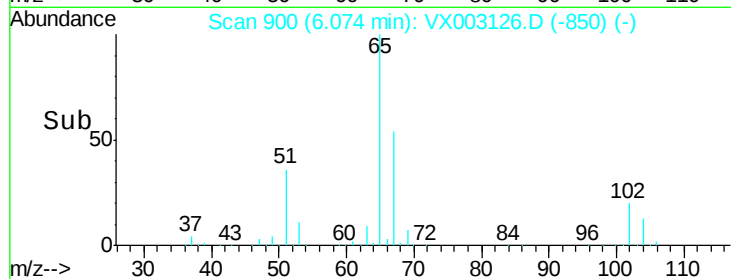
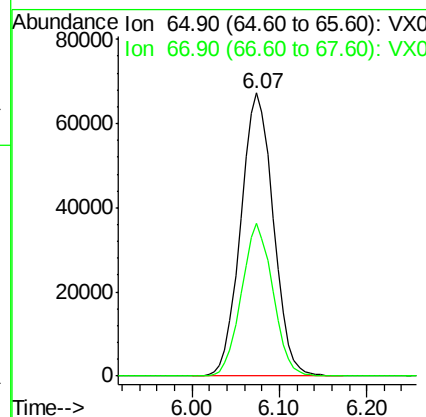
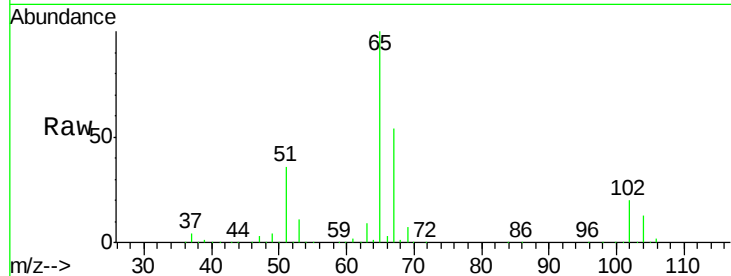




#33
 1,2-Dichloroethane-d4
 Concen: 45.82 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003126.D
 Acq: 02 Jul 2018 14:42

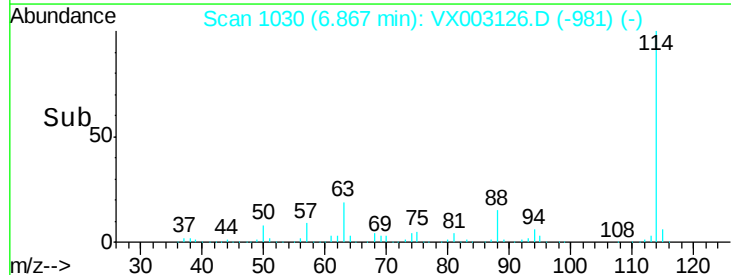
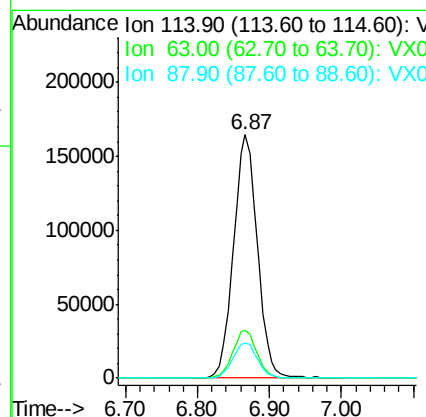
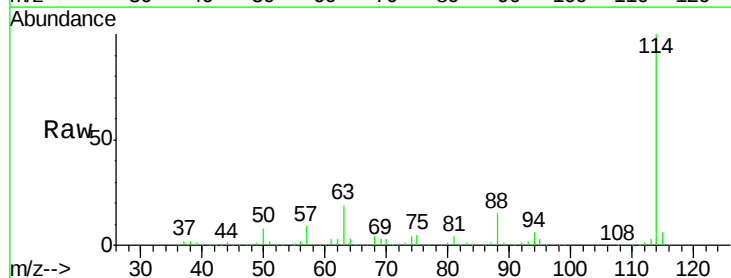
Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-GMZ5-TB2

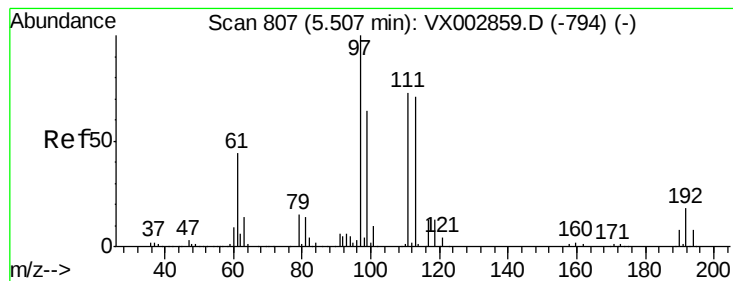
Tot Ion: 65 Resp: 174302
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003126.D
 Acq: 02 Jul 2018 14:42

Tgt Ion: 114 Resp: 379687
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.80 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

SP18-GMZ5-TB2

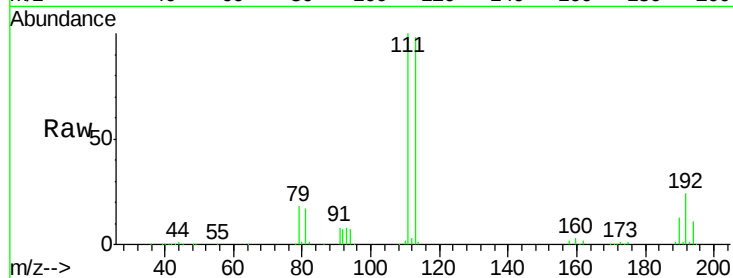
Tot Ion:113 Resp: 143716

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

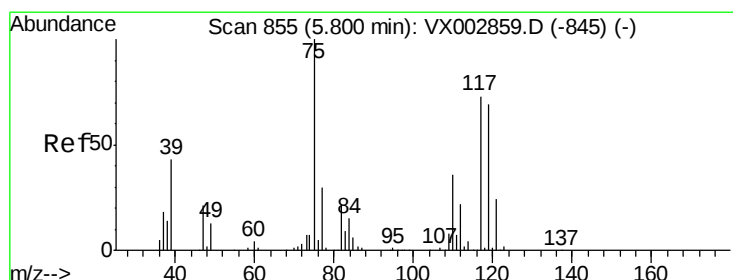
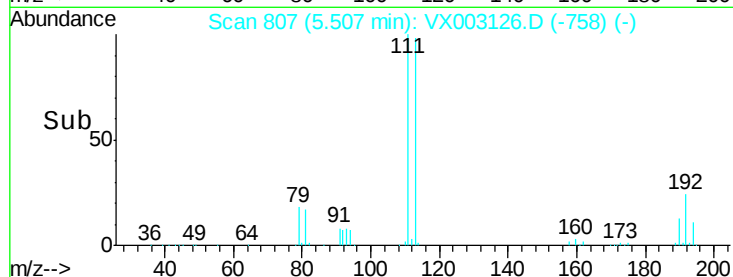
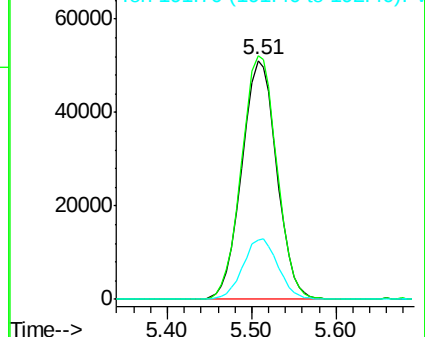
192 25.3 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.30 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

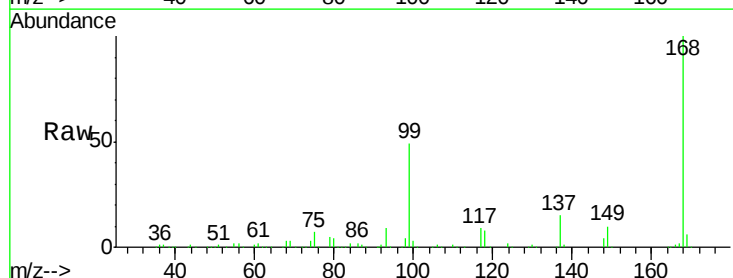
Tgt Ion: 75 Resp: 17897

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

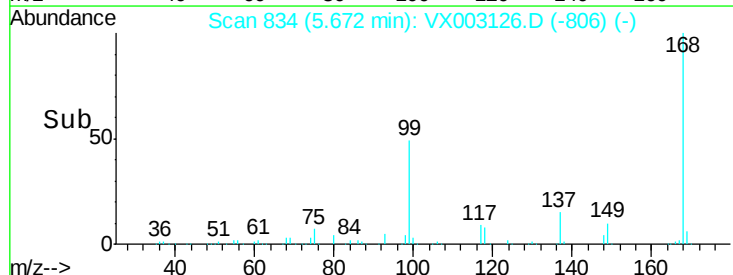
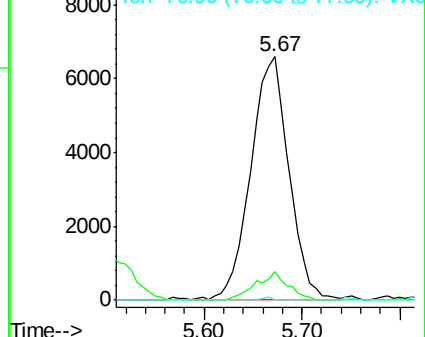
77 0.3 24.3 36.5#

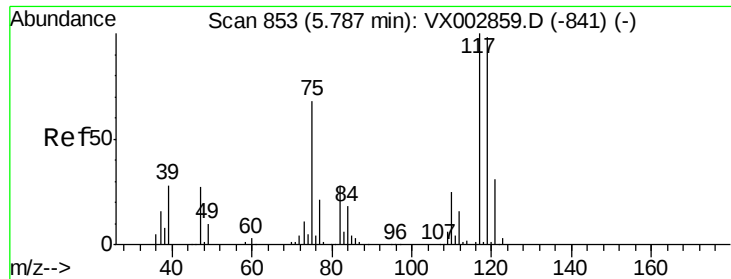


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

SP18-GMZ5-TB2

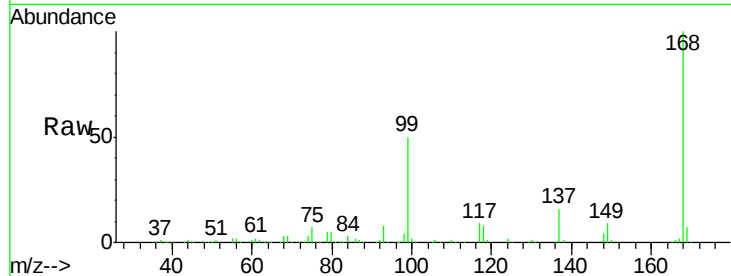
Tot Ion:117 Resp: 24669

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

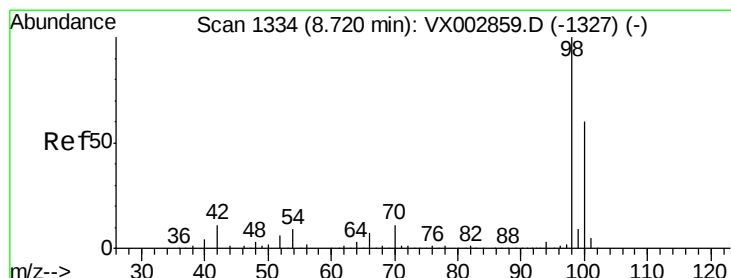
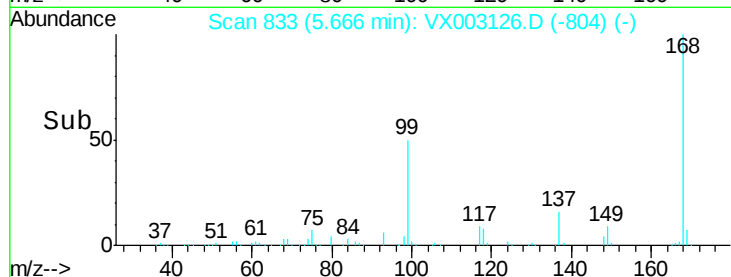
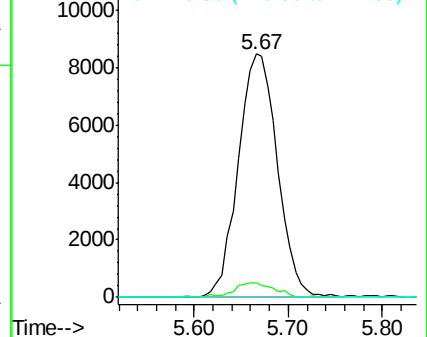
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 48.17 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003126.D

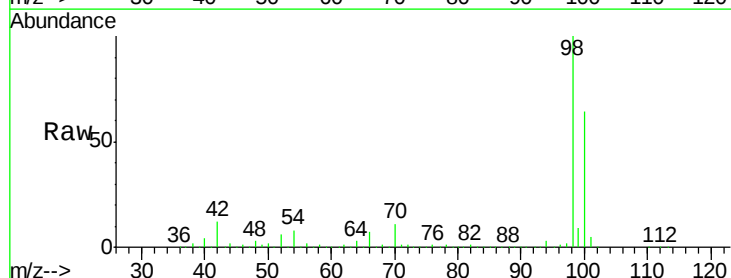
Acq: 02 Jul 2018 14:42

Tgt Ion: 98 Resp: 528856

Ion Ratio Lower Upper

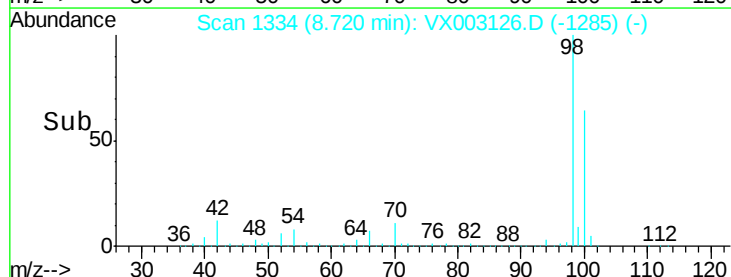
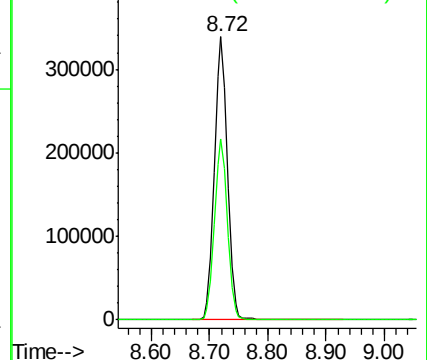
98 100

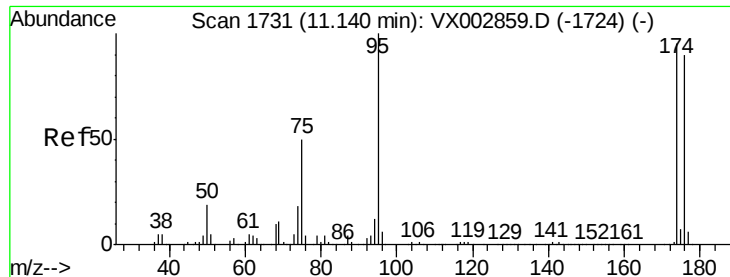
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

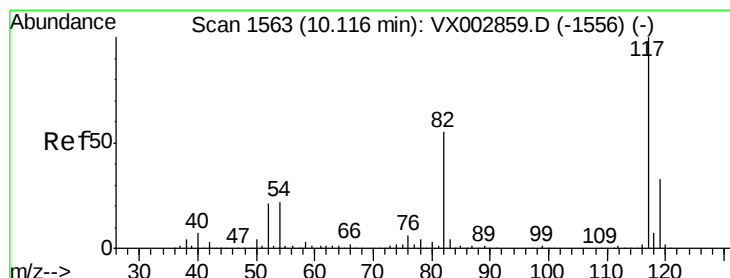
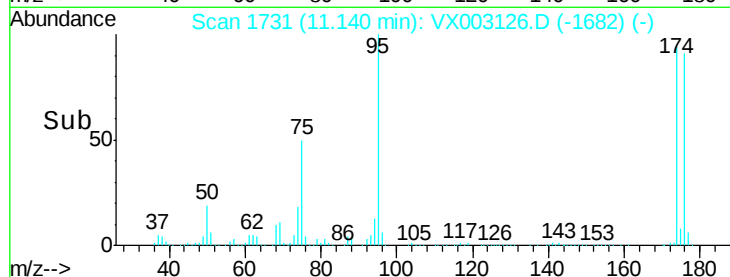
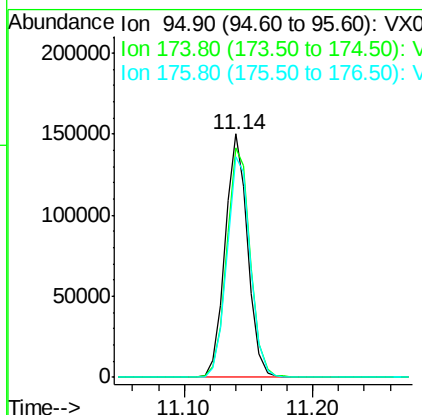
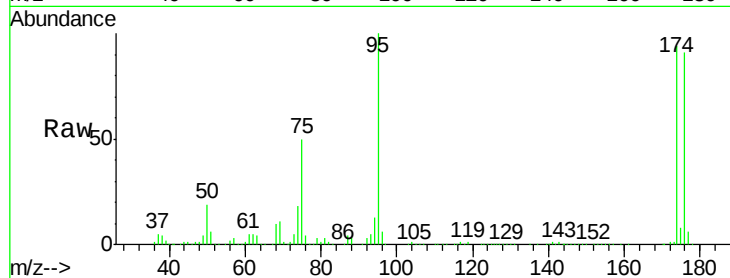




#62
4-Bromofluorobenzene
Concen: 43.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003126.D
Acq: 02 Jul 2018 14:42

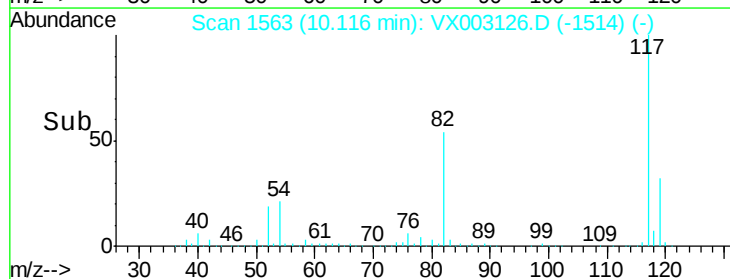
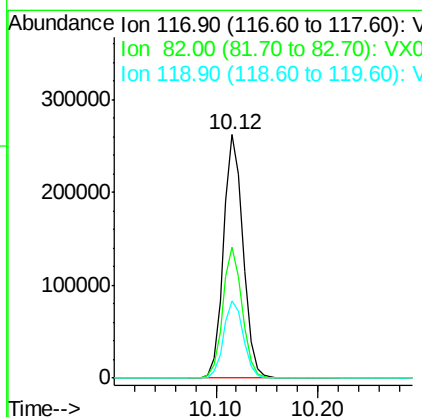
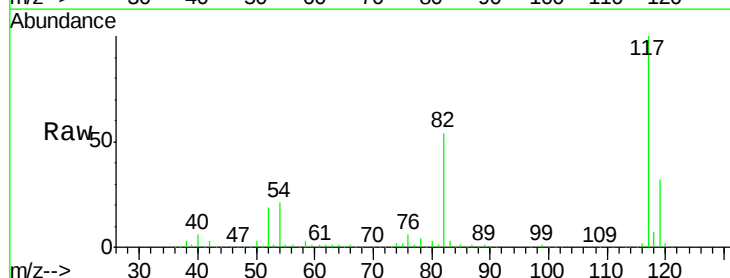
Instrument :
MSVOA_X
ClientSampleId :
SP18-GMZ5-TB2

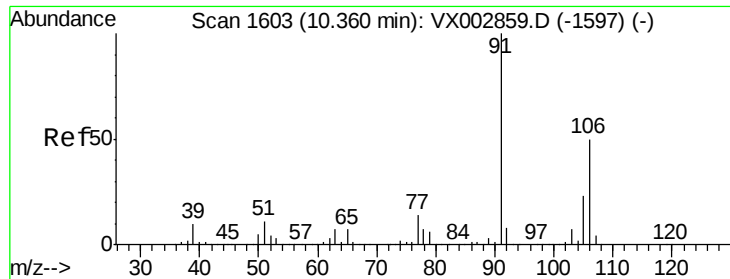
Tot Ion: 95 Resp: 185132
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 94.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003126.D
Acq: 02 Jul 2018 14:42

Tgt Ion: 117 Resp: 349082
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 31.9 25.8 38.6

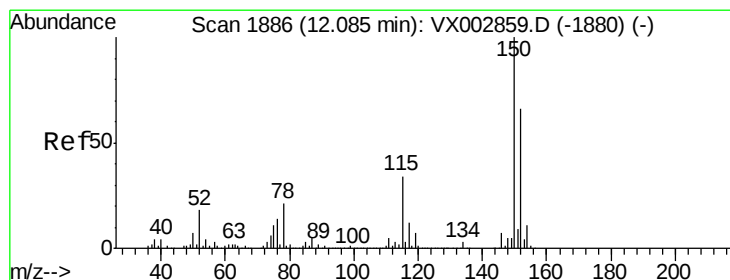
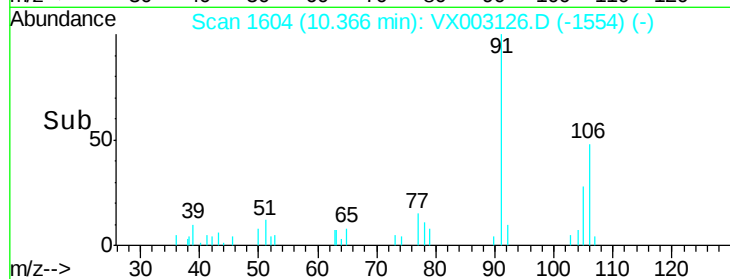
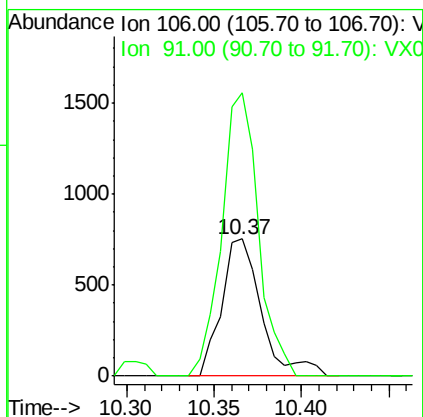
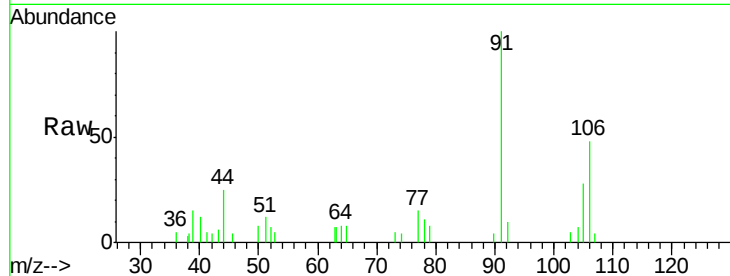




#68
m/p-Xvlenes
Concen: 0.21 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003126.D
Acq: 02 Jul 2018 14:42

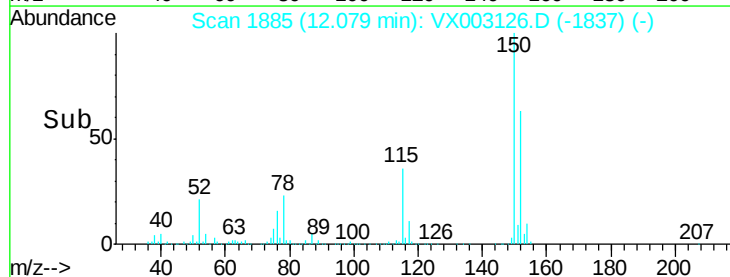
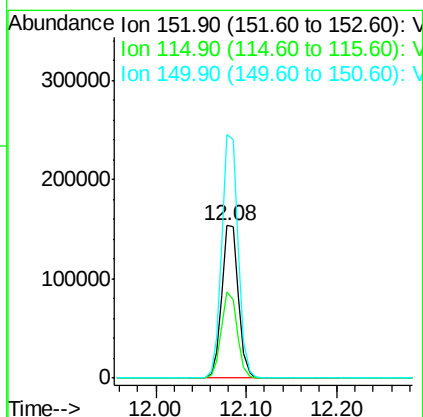
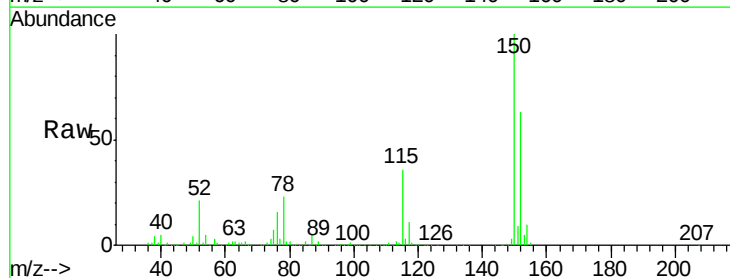
Instrument :
MSVOA_X
ClientSampleId :
SP18-GMZ5-TB2

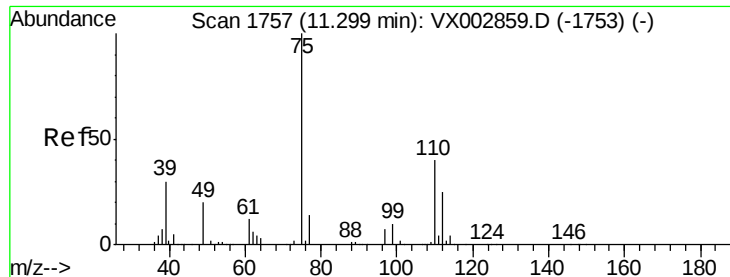
Tot Ion:106 Resp: 1195
Ion Ratio Lower Upper
106 100
91 189.5 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003126.D
Acq: 02 Jul 2018 14:42

Tgt Ion:152 Resp: 195575
Ion Ratio Lower Upper
152 100
115 54.7 40.1 120.2
150 157.9 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 26.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

Instrument :

MSVOA_X

ClientSampleId :

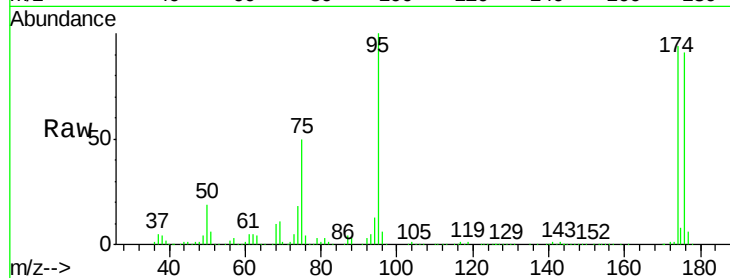
SP18-GMZ5-TB2

Tot Ion: 75 Resp: 94222

Ion Ratio Lower Upper

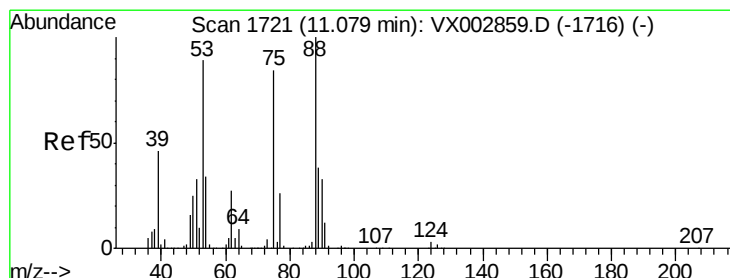
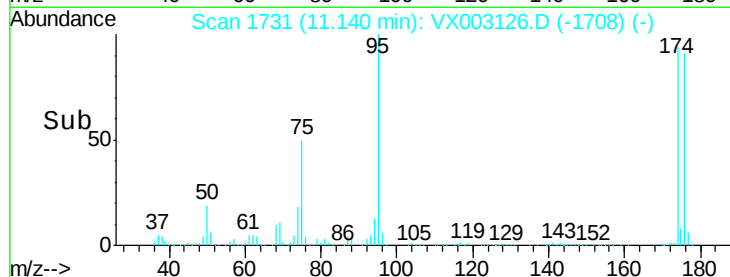
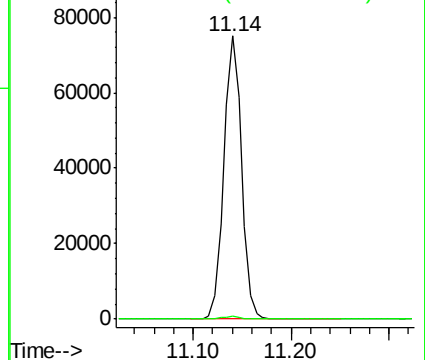
75 100

77 1.1 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: 75.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003126.D

Acq: 02 Jul 2018 14:42

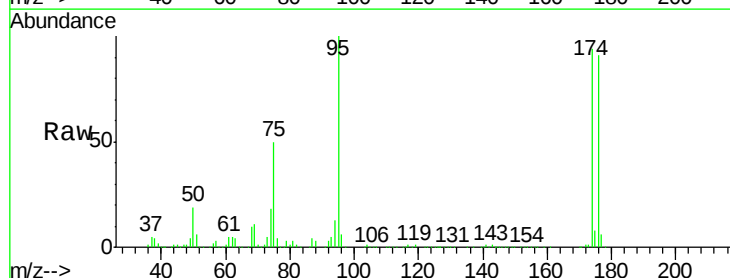
Tgt Ion: 75 Resp: 94222

Ion Ratio Lower Upper

75 100

53 0.2 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

