

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000236.D
 Acq On : 08 Mar 2018 22:17
 Operator : JC/MD
 Sample : J1819-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-10

Quant Time: Mar 09 10:57:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	100493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	88110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	66895	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	5.52	113	48931	43.19	ug/l	0.00
Spiked Amount			Recovery	=	86.38%	
50) Toluene-d8	8.73	98	188360	40.14	ug/l	0.00
Spiked Amount			Recovery	=	80.28%	
62) 4-Bromofluorobenzene	11.15	95	64661	35.31	ug/l	0.00
Spiked Amount			Recovery	=	70.62%	

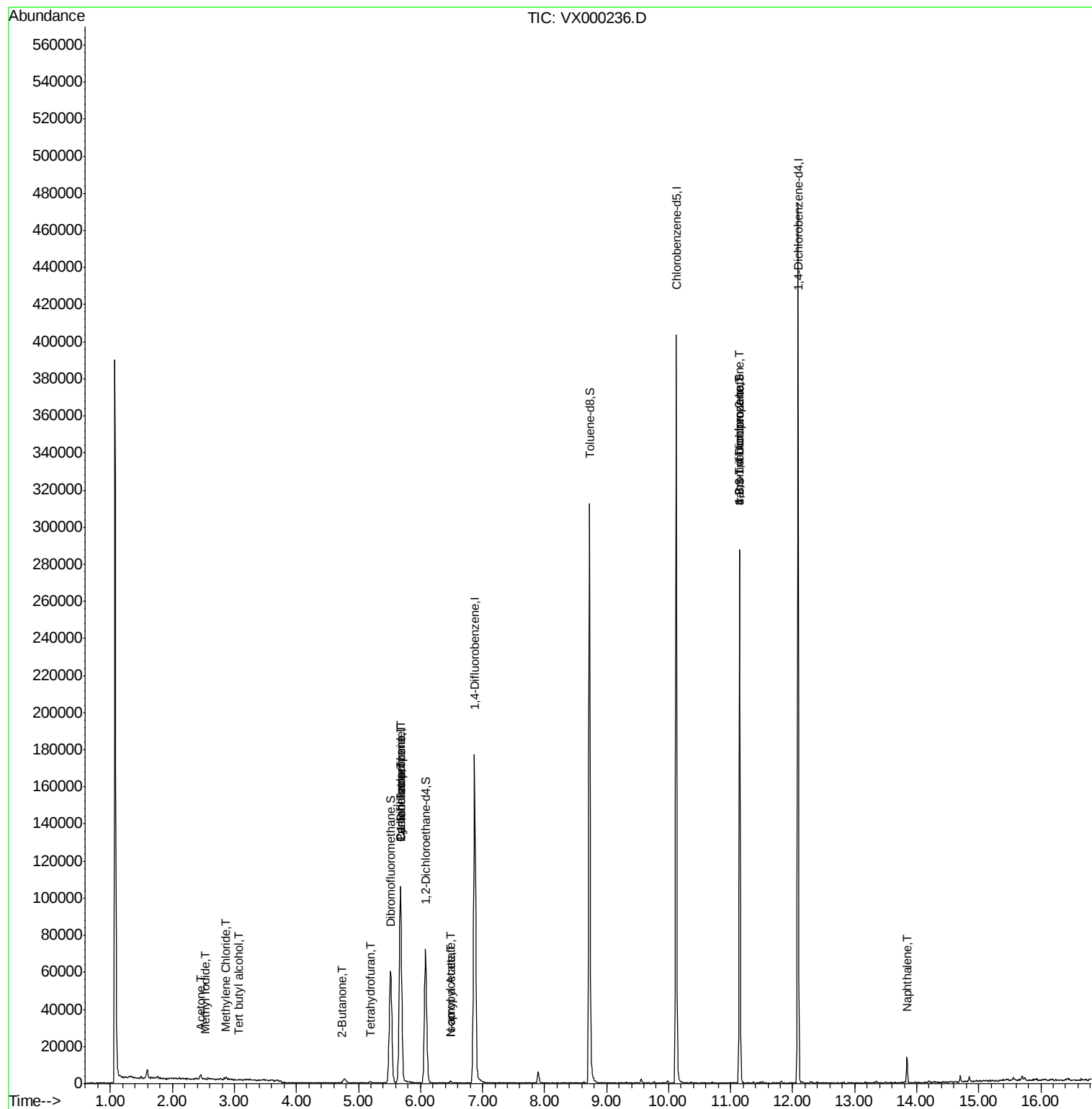
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	249	Below Cal	#	67
6) Chloroethane	1.70	64	175	Below Cal	#	42
10) Methyl Iodide	2.53	142	82	3.21	ug/l #	17
11) Tert butyl alcohol	3.07	59	139	0.27	ug/l #	72
16) Acetone	2.45	43	2537	2.54	ug/l	93
20) Methylene Chloride	2.86	84	518	0.43	ug/l #	61
25) 2-Butanone	4.73	43	457	0.37	ug/l #	50
29) Tetrahydrofuran	5.20	42	587	0.76	ug/l #	34
31) Cyclohexane	5.67	56	2578	1.69	ug/l #	63
36) 1,1-Dichloropropene	5.68	75	7877	4.91	ug/l #	50
38) Carbon Tetrachloride	5.68	117	10432	6.42	ug/l #	16
43) Isopropyl Acetate	6.48	43	1170	0.35	ug/l #	82
74) N-amyl acetate	6.48	43	1170	0.41	ug/l #	85
76) 1,2,3-Trichloropropane	11.15	75	37316	21.13	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	37316	64.70	ug/l #	10
95) Naphthalene	13.84	128	7621	1.12	ug/l	97

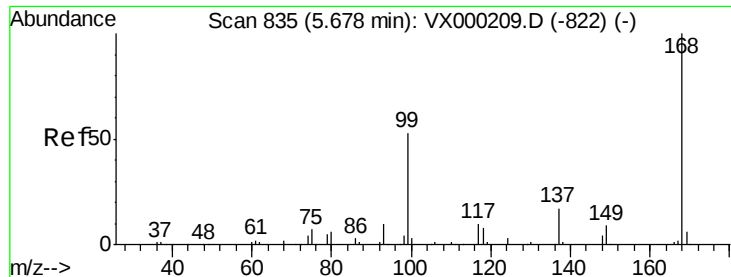
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampled :

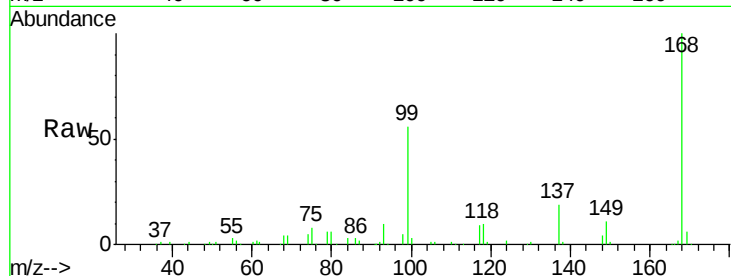
TP-10

Tot Ion:168 Resp: 100493

Ion Ratio Lower Upper

168 100

99 55.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

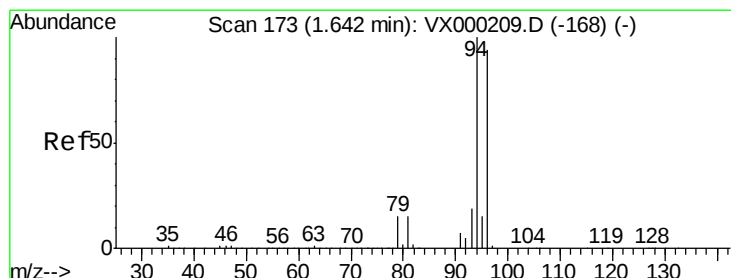
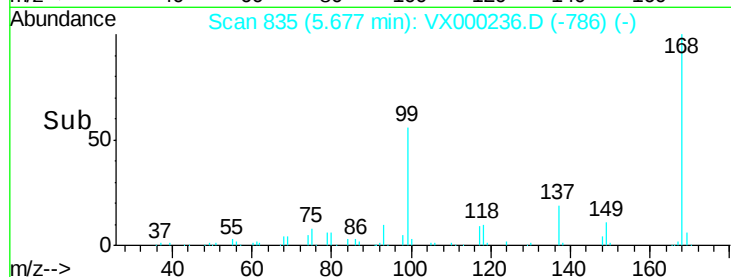
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 178

Delta R.T. 0.03 min

Lab File: VX000236.D

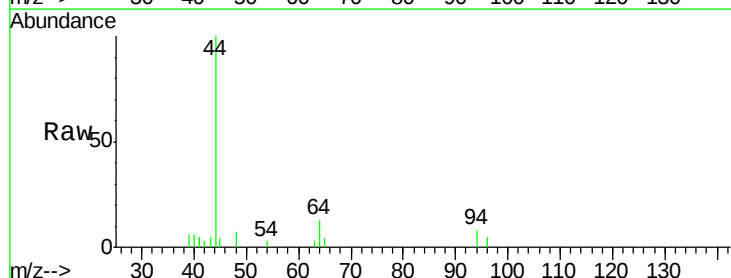
Acq: 08 Mar 2018 22:17

Tgt Ion: 94 Resp: 249

Ion Ratio Lower Upper

94 100

96 62.6 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

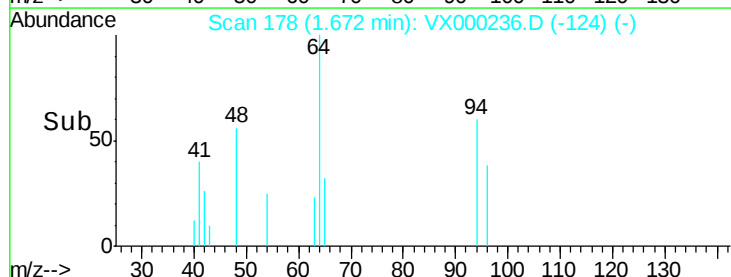
150

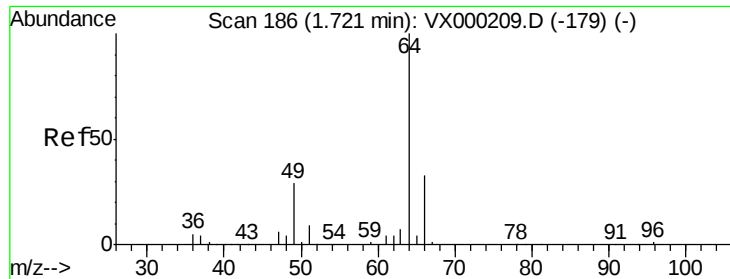
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

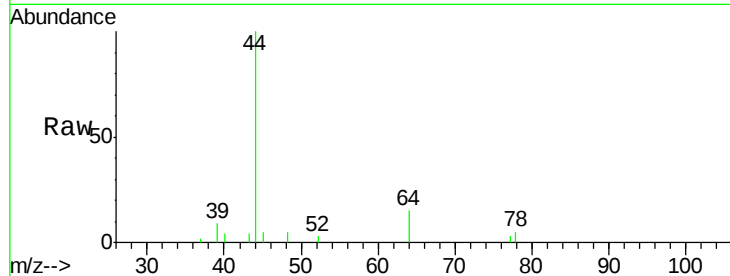
TP-10

Tot Ion: 64 Resp: 175

Ion Ratio Lower Upper

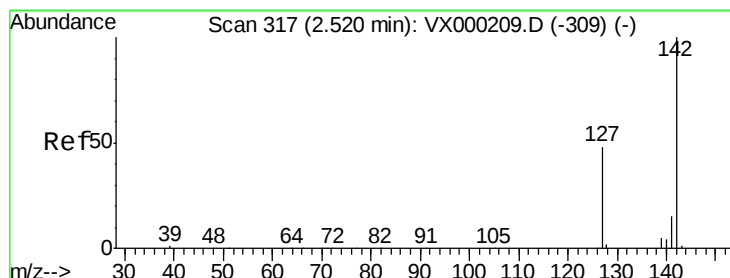
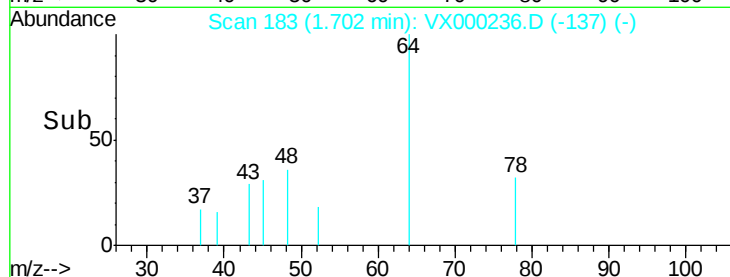
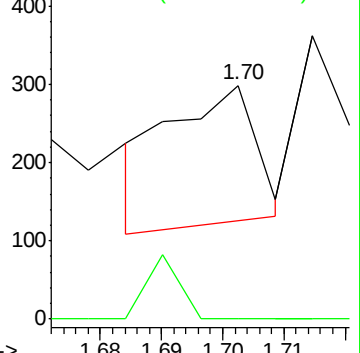
64 100

66 0.0 26.2 39.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 3.21 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

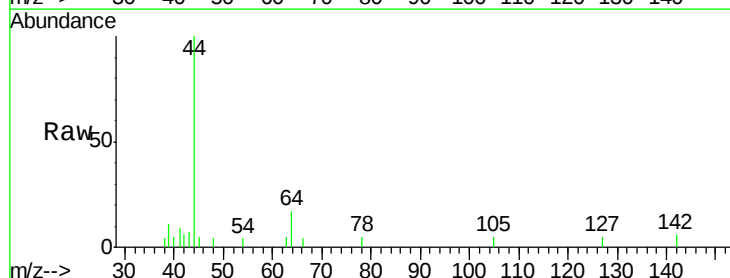
Tgt Ion: 142 Resp: 82

Ion Ratio Lower Upper

142 100

127 114.6 39.0 58.6#

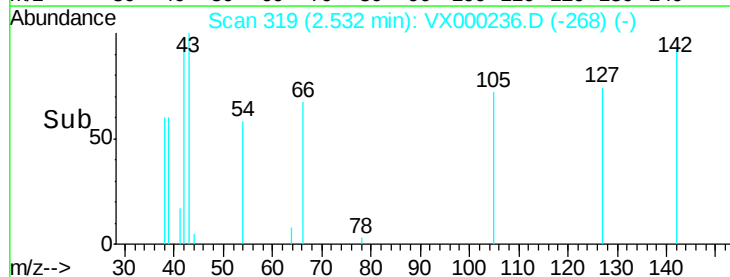
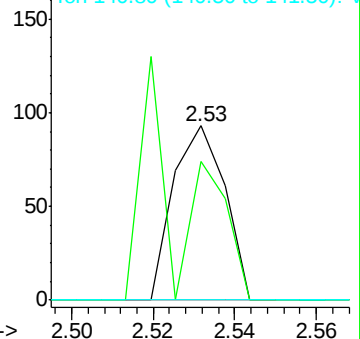
141 0.0 11.6 17.4#

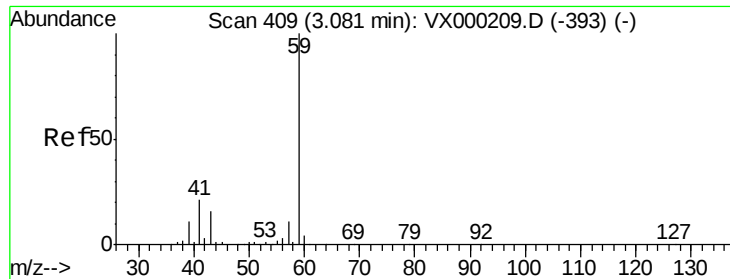


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

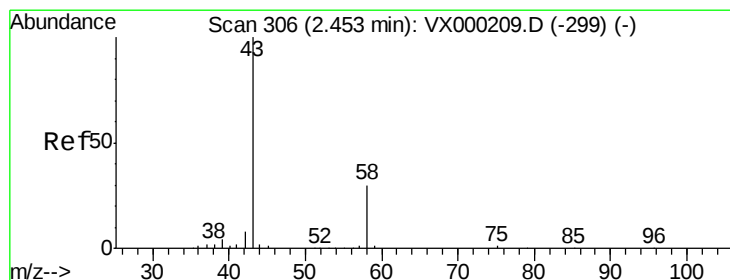
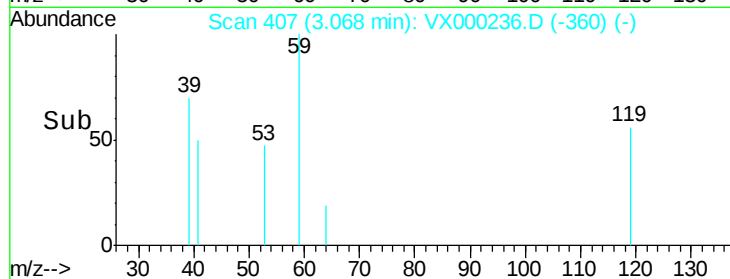
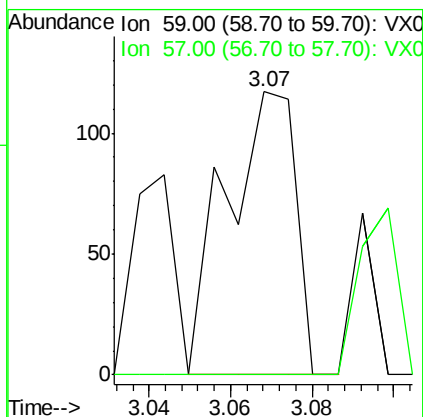
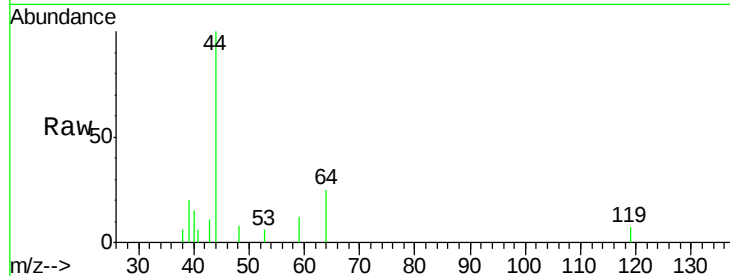




#11
Tert butyl alcohol
Concen: 0.27 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

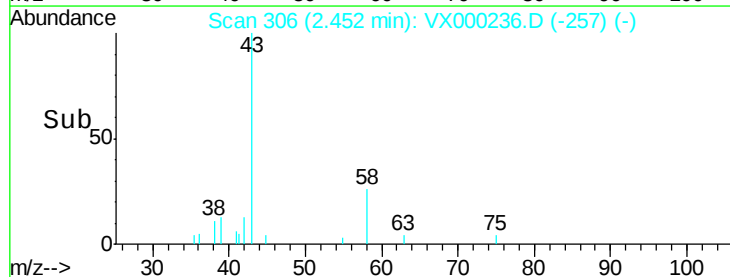
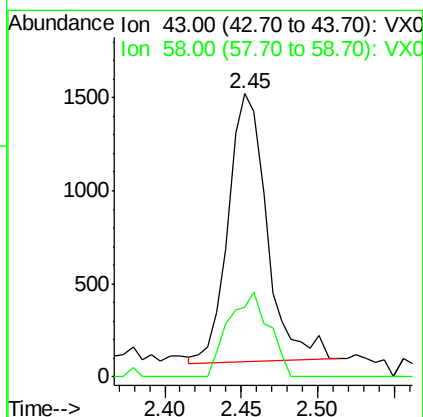
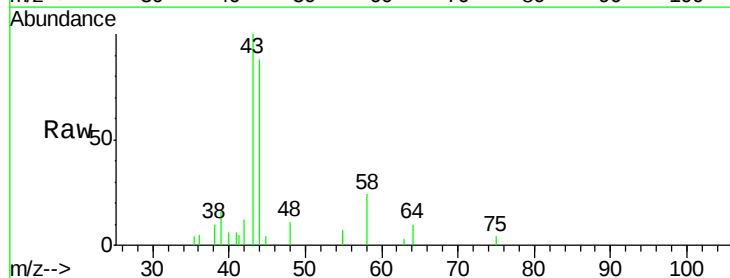
Instrument :
MSVOA_X
ClientSampled :
TP-10

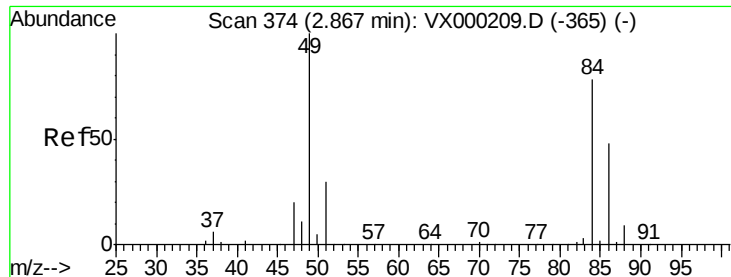
Tot Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 2.54 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

Tgt Ion: 43 Resp: 2537
Ion Ratio Lower Upper
43 100
58 26.1 23.8 35.6

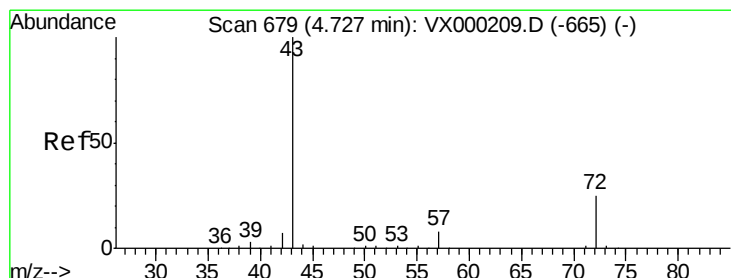
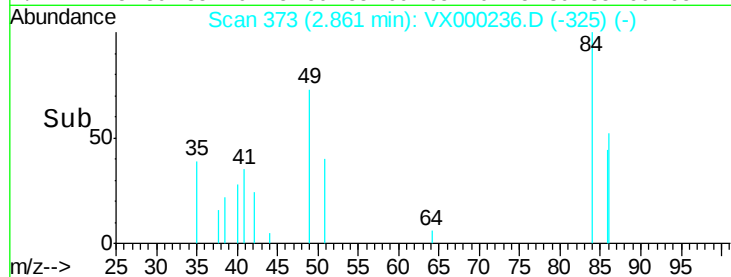
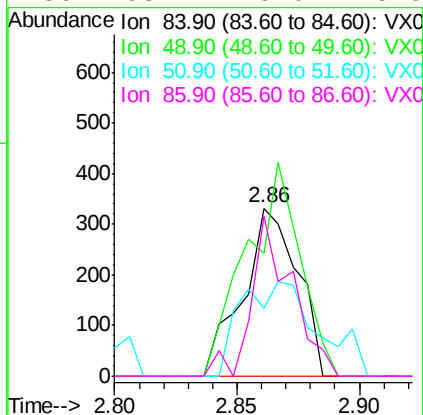
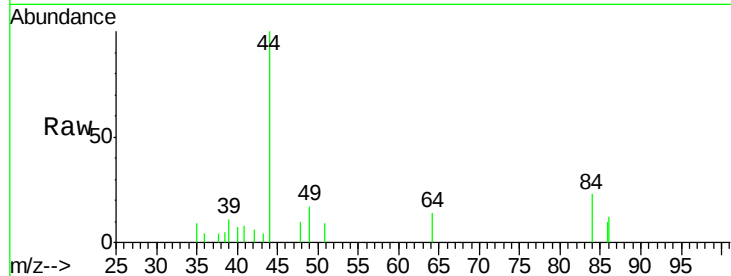




#20
Methvlene Chloride
Concen: 0.43 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

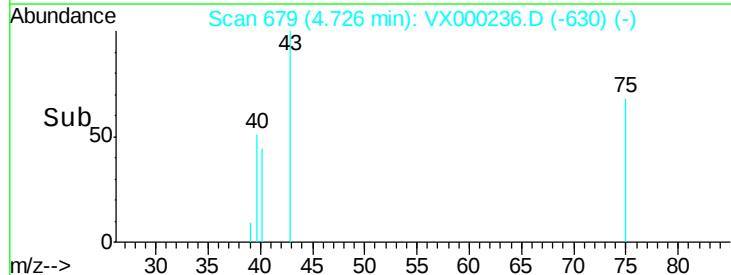
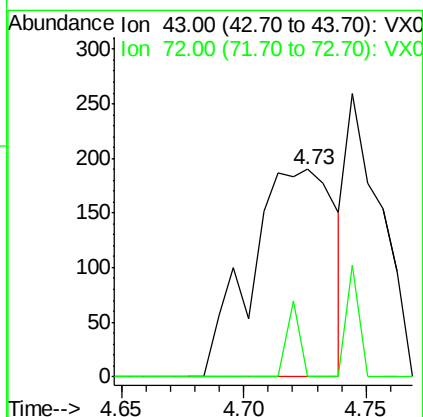
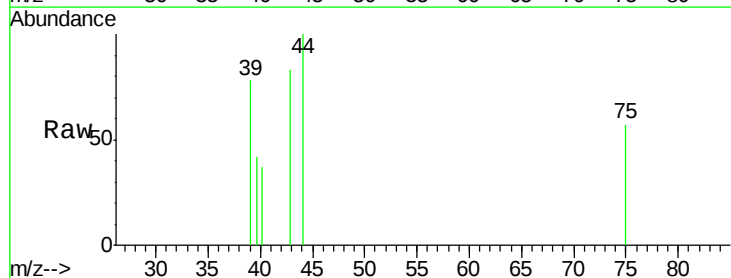
Instrument :
MSVOA_X
ClientSampled :
TP-10

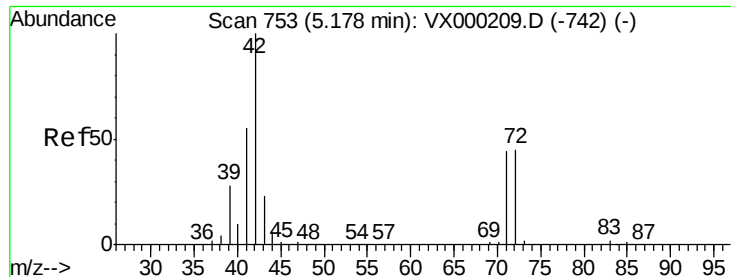
Tot Ion: 84 Resp: 518
Ion Ratio Lower Upper
84 100
49 72.9 102.1 153.1#
51 40.4 30.6 45.8
86 95.2 49.0 73.6#



#25
2-Butanone
Concen: 0.37 ug/l
RT: 4.73 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

Tgt Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 0.76 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampled :

TP-10

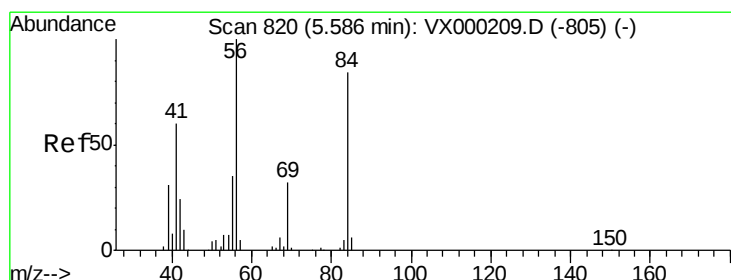
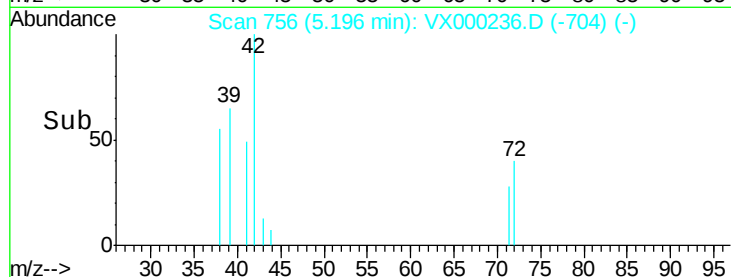
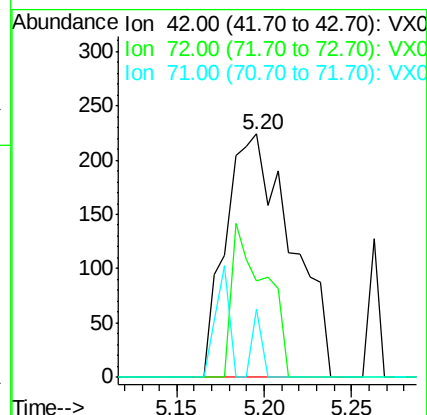
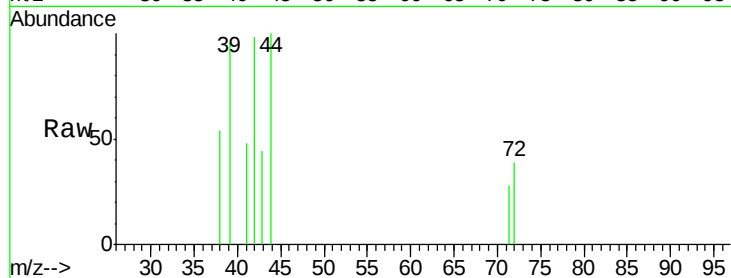
Tot Ion: 42 Resp: 587

Ion Ratio Lower Upper

42 100

72 0.0 37.3 55.9#

71 3.9 35.0 52.4#



#31

Cyclohexane

Concen: 1.69 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

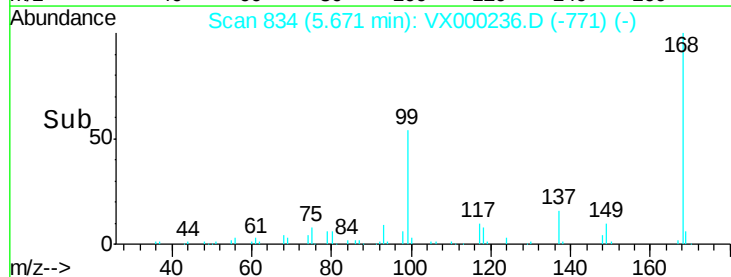
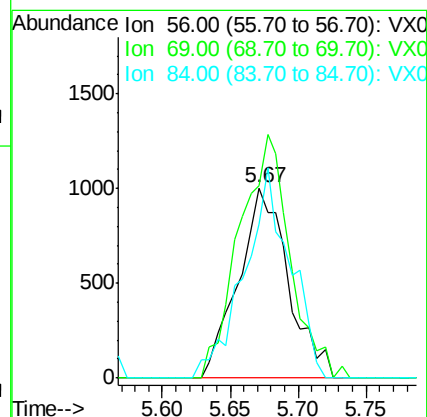
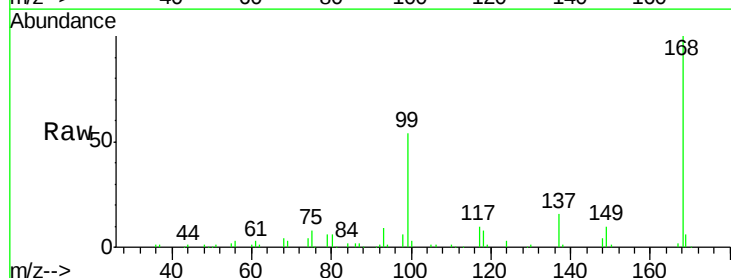
Tgt Ion: 56 Resp: 2578

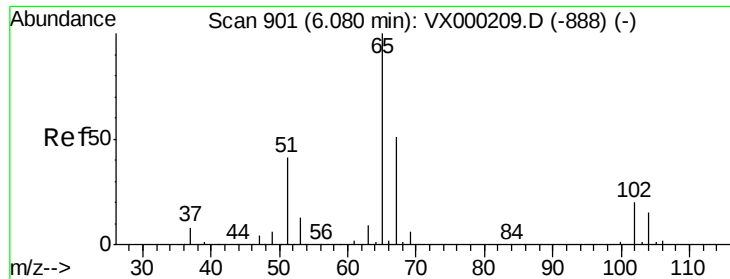
Ion Ratio Lower Upper

56 100

69 101.4 25.3 37.9#

84 81.3 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 48.02 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampled :

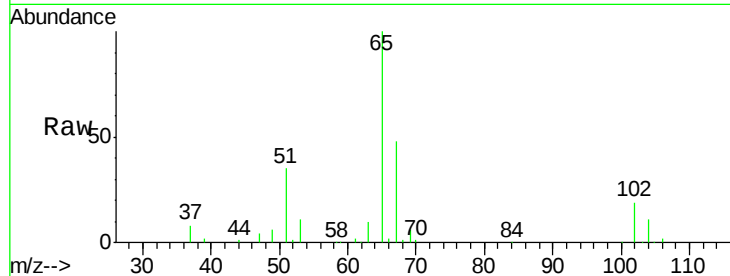
TP-10

Tot Ion: 65 Resp: 66895

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

30000

25000

20000

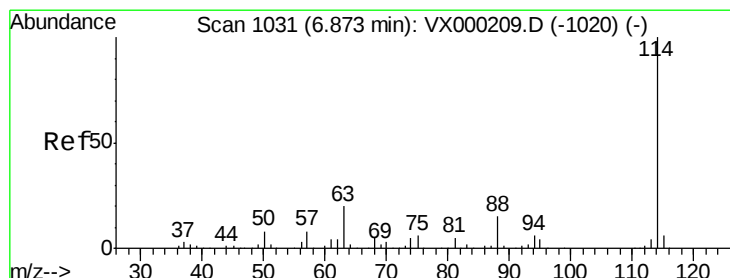
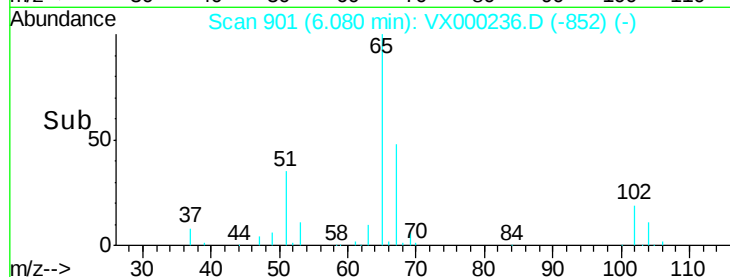
15000

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

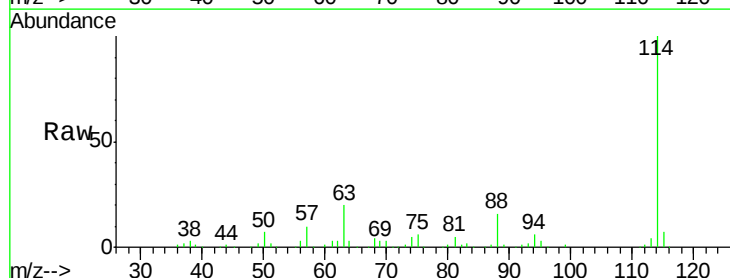
Tgt Ion: 114 Resp: 180360

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.1 0.0 29.8



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

100000

80000

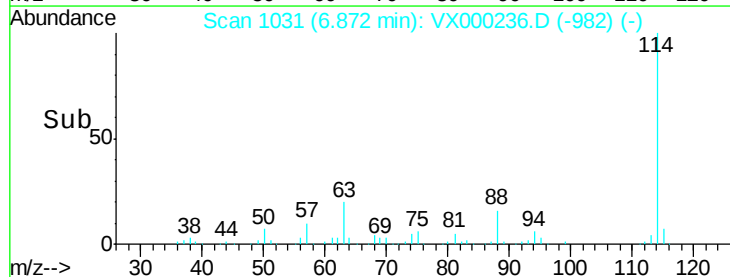
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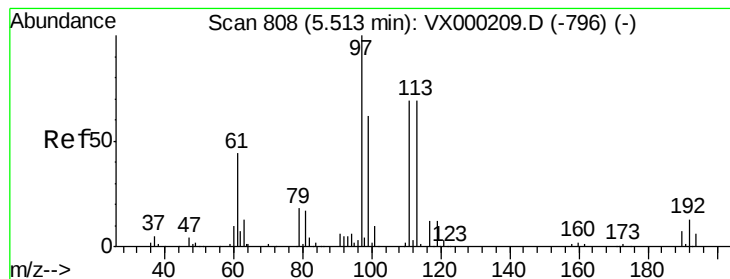
40000

20000

0

Time-->





#35

Dibromofluoromethane

Concen: 43.19 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

TP-10

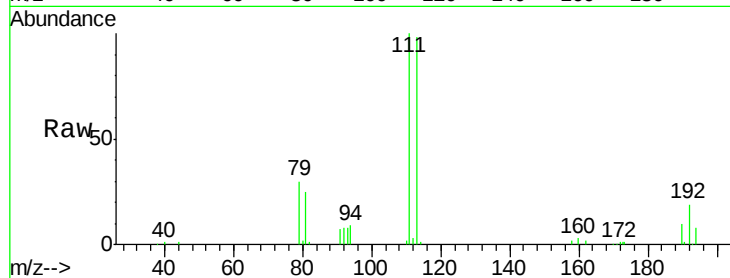
Tot Ion:113 Resp: 48931

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.6

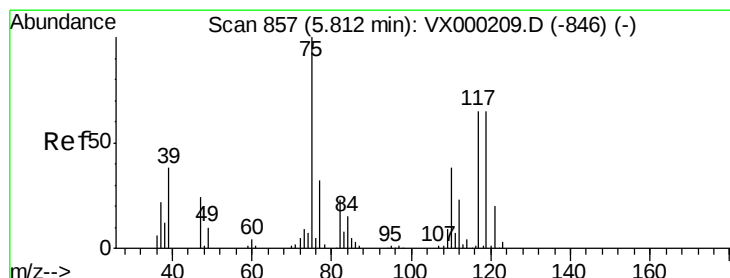
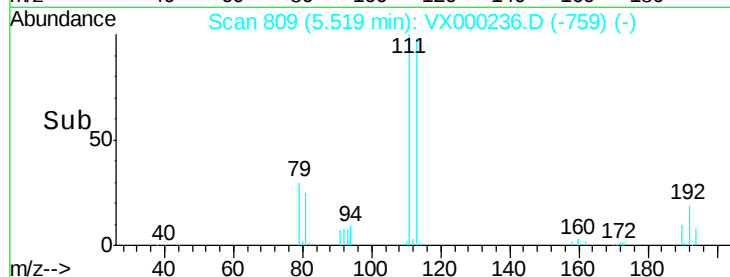
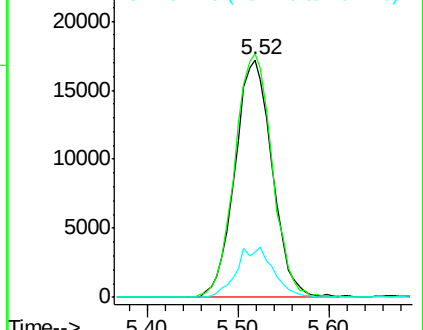
192 20.8 15.5 23.3



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: 4.91 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

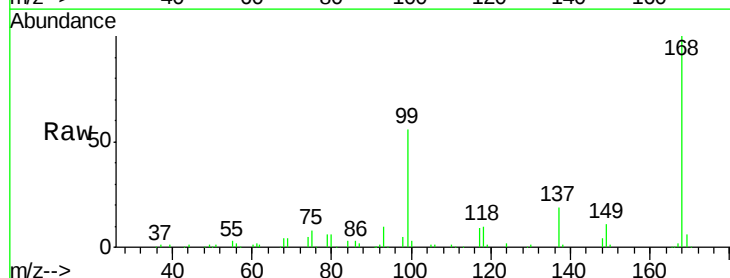
Tgt Ion: 75 Resp: 7877

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

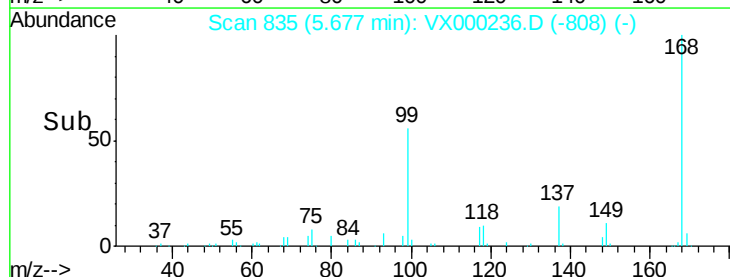
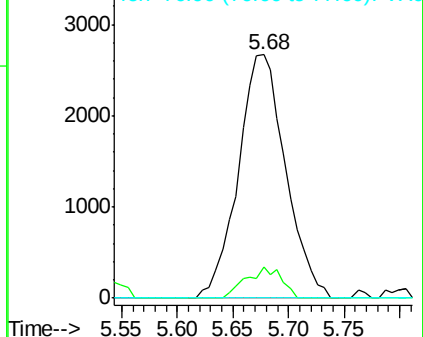
77 0.0 24.9 37.3#

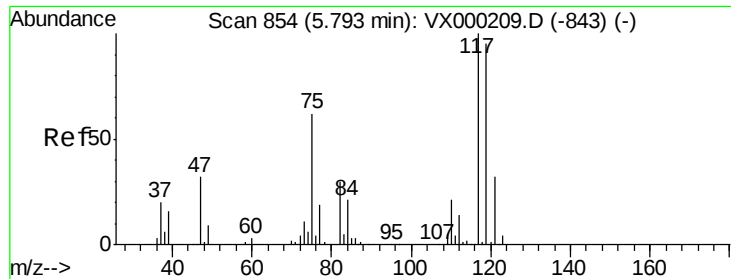


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

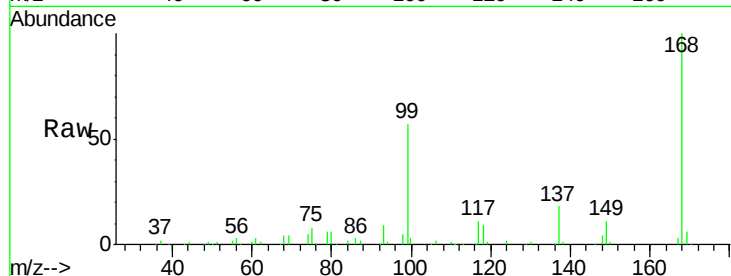




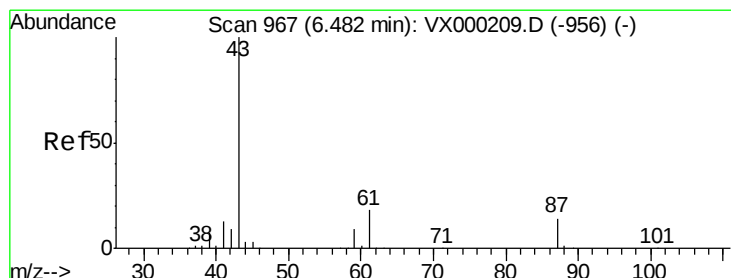
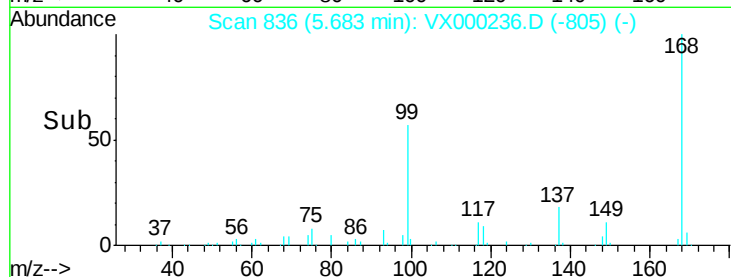
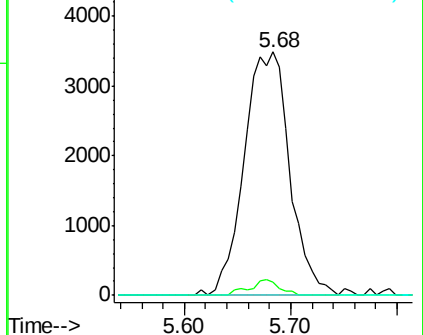
#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 5.68 min Scan# 836
Delta R.T. -0.11 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

Instrument :
MSVOA_X
ClientSampled :
TP-10

Tot Ion:117 Resp: 10432
Ion Ratio Lower Upper
117 100
119 5.2 75.9 113.9#
121 0.0 25.8 38.6#

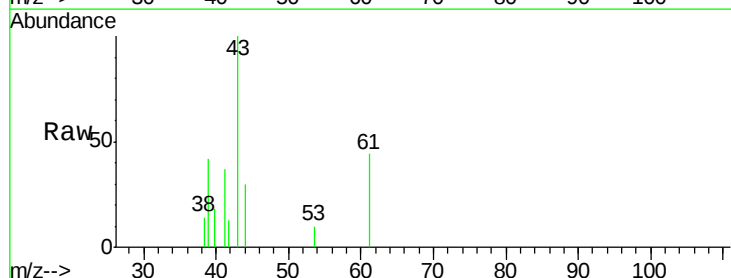


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

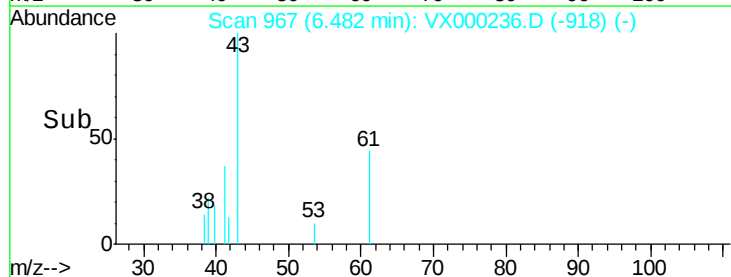
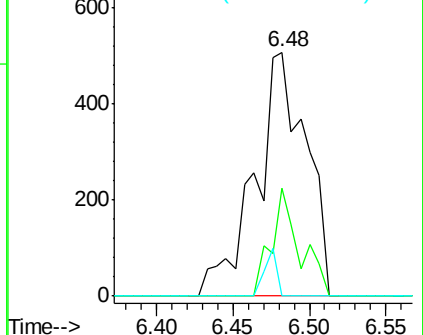


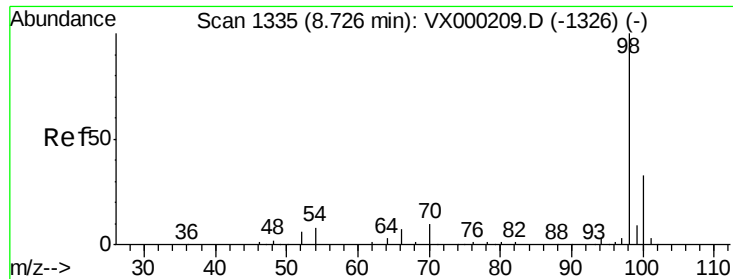
#43
Isopropyl Acetate
Concen: 0.35 ug/l
RT: 6.48 min Scan# 967
Delta R.T. -0.00 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
61 25.0 14.8 22.2#
87 4.7 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

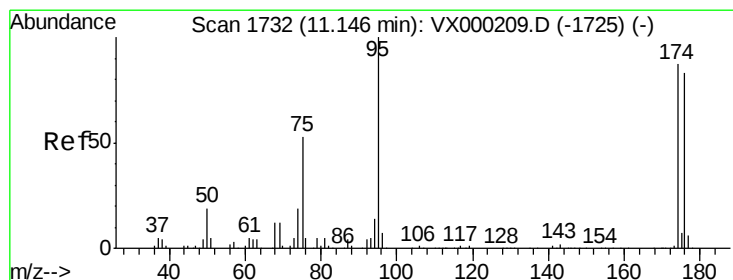
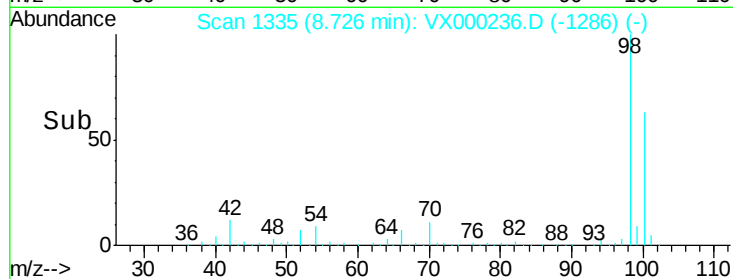
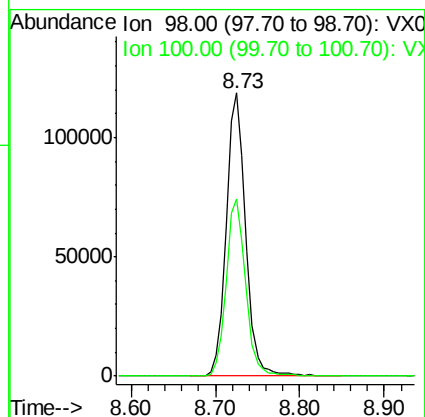
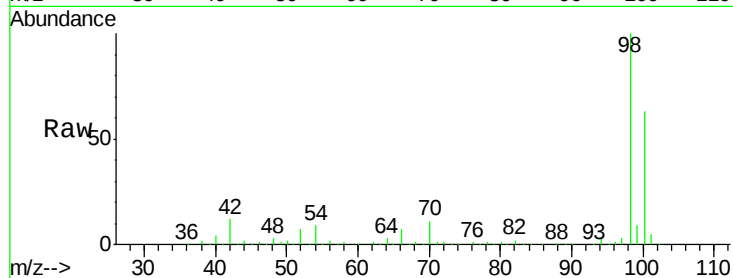




#50
Toluene-d8
Concen: 40.14 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

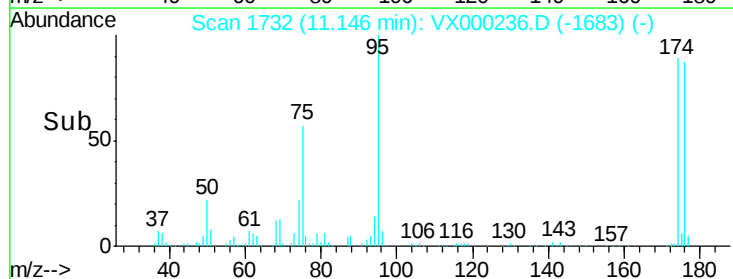
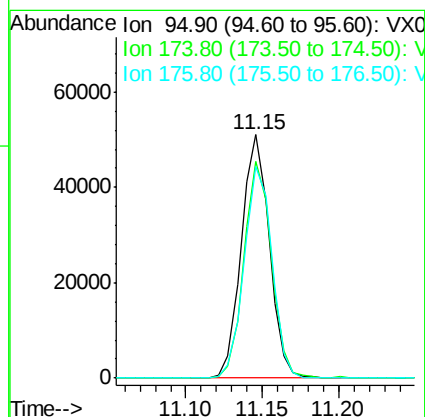
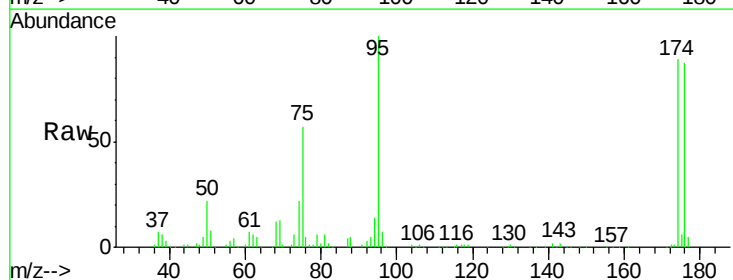
Instrument :
MSVOA_X
ClientSampled :
TP-10

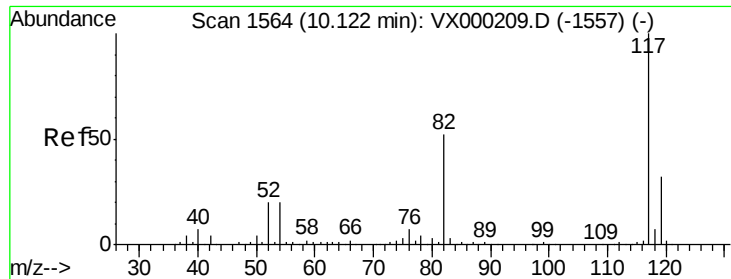
Tot Ion: 98 Resp: 188360
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 35.31 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

Tgt Ion: 95 Resp: 64661
Ion Ratio Lower Upper
95 100
174 87.9 0.0 175.6
176 86.8 0.0 171.0

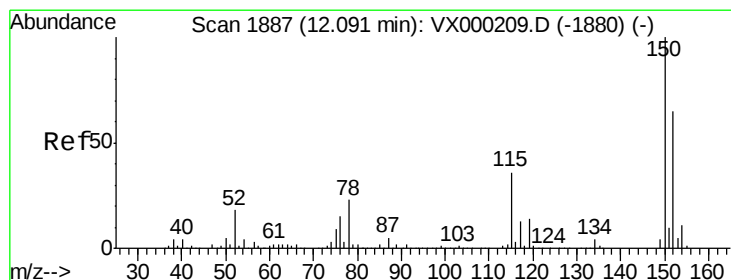
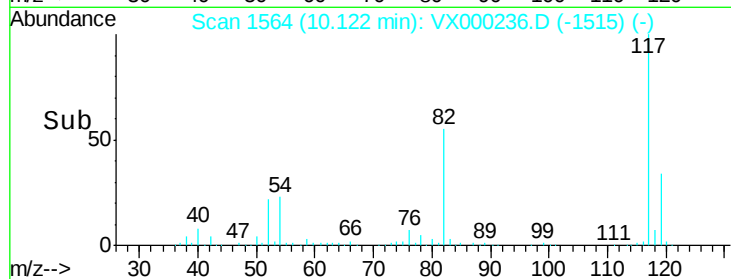
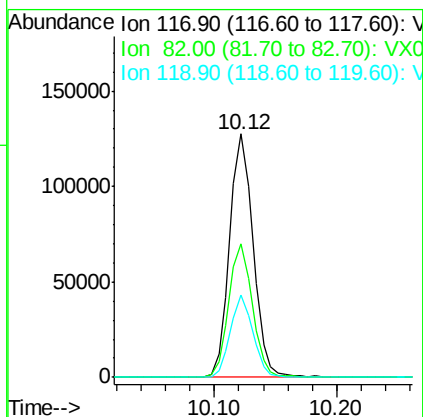
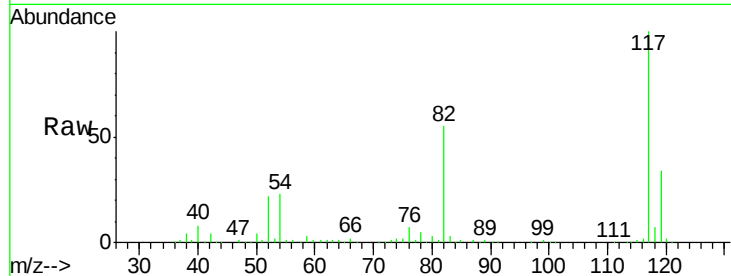




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

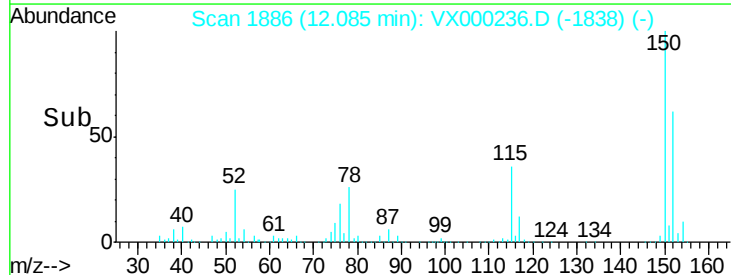
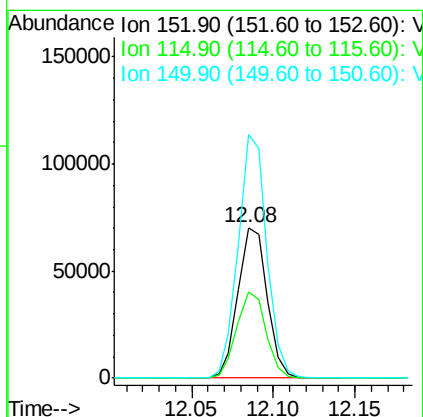
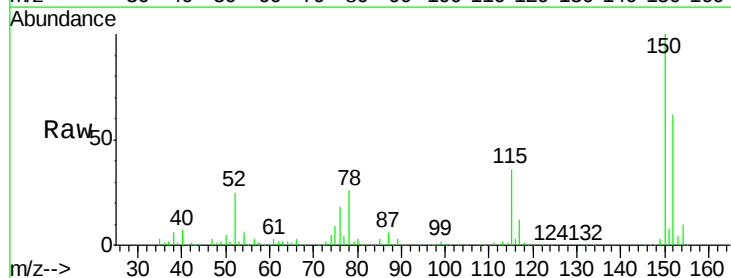
Instrument :
MSVOA_X
ClientSampleId :
TP-10

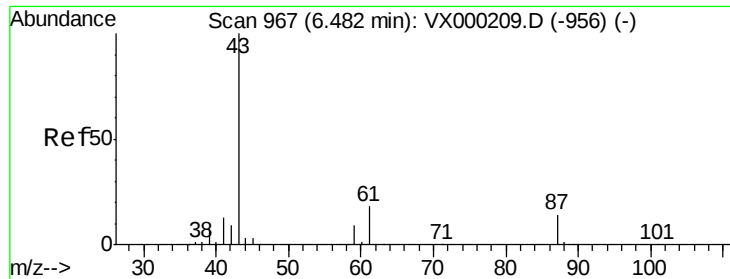
Tot Ion:117 Resp: 170325
Ion Ratio Lower Upper
117 100
82 55.1 42.0 63.0
119 33.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000236.D
Acq: 08 Mar 2018 22:17

Tgt Ion:152 Resp: 88110
Ion Ratio Lower Upper
152 100
115 57.6 39.8 119.3
150 157.5 0.0 345.0





#74

N-amvl acetate

Concen: 0.41 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

TP-10

Tot Ion: 43 Resp: 1170

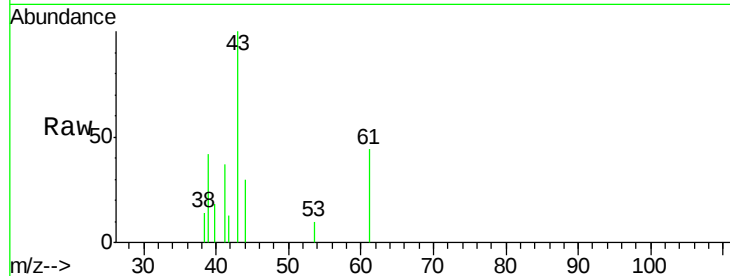
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 25.0 14.8 22.2#

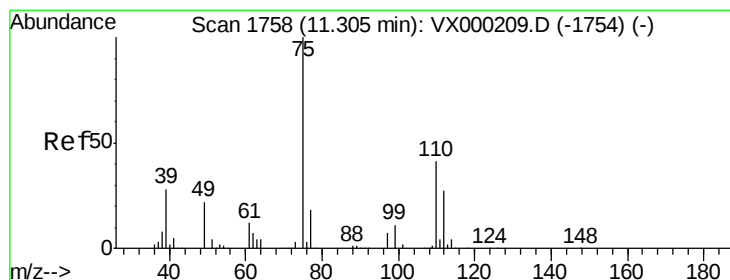
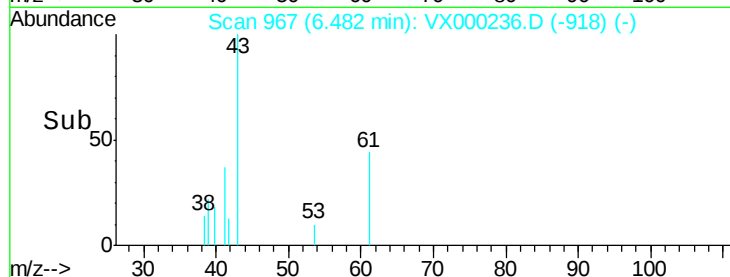
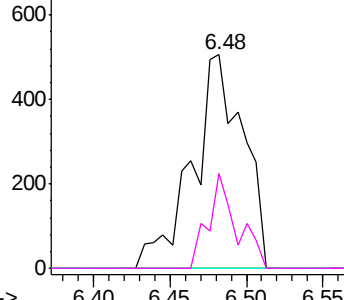


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 21.13 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000236.D

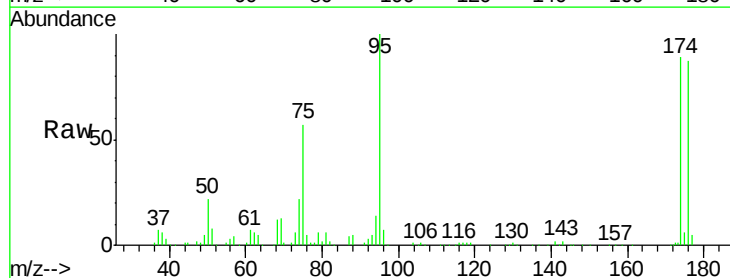
Acq: 08 Mar 2018 22:17

Tgt Ion: 75 Resp: 37316

Ion Ratio Lower Upper

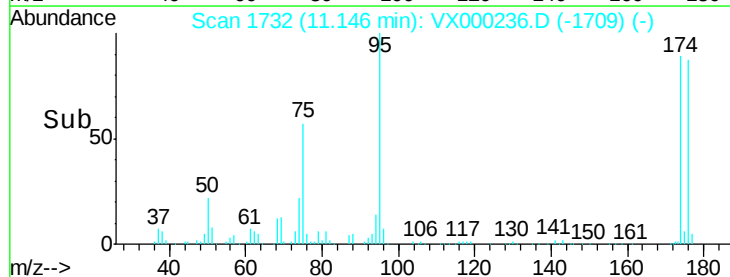
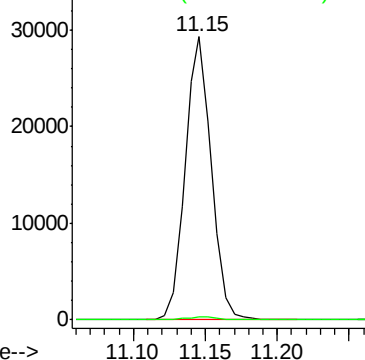
75 100

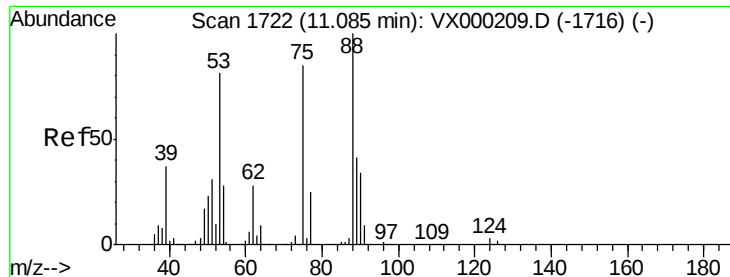
77 1.0 22.3 66.8#



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: 64.70 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

TP-10

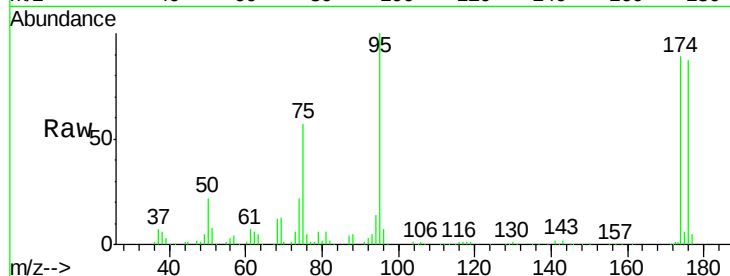
Tot Ion: 75 Resp: 37316

Ion Ratio Lower Upper

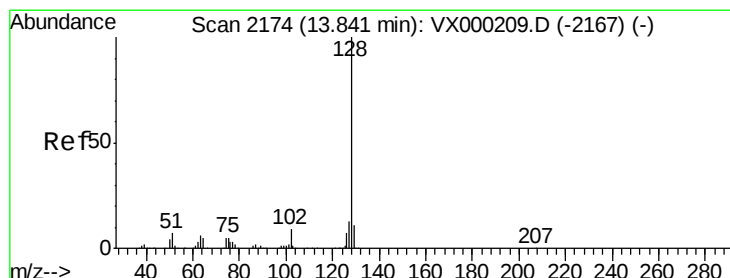
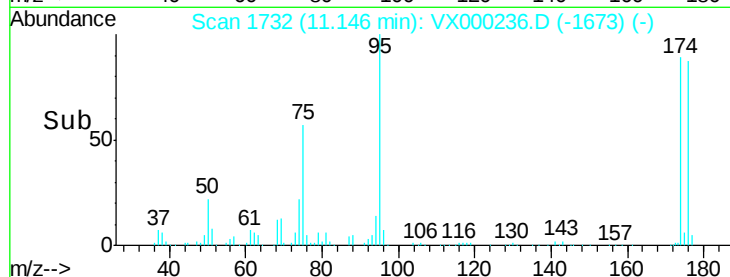
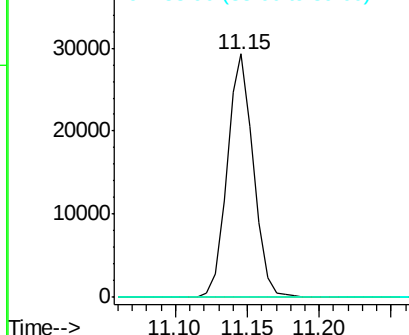
75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#



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



#95

Naphthalene

Concen: 1.12 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000236.D

Acq: 08 Mar 2018 22:17

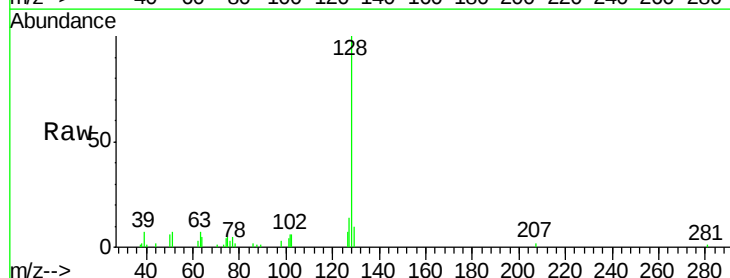
Tgt Ion: 128 Resp: 7621

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

129 10.1 8.6 13.0



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

