

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005467.D
 Acq On : 22 Oct 2018 13:45
 Operator : JC/MD
 Sample : VX1022WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL01

Quant Time: Oct 23 01:25:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	273242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	388576	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	329611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149204	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	157681	52.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.00%	
35) Dibromofluoromethane	5.50	113	134819	52.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.76%	
50) Toluene-d8	8.71	98	407339	46.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.14	95	134082	40.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.80%	

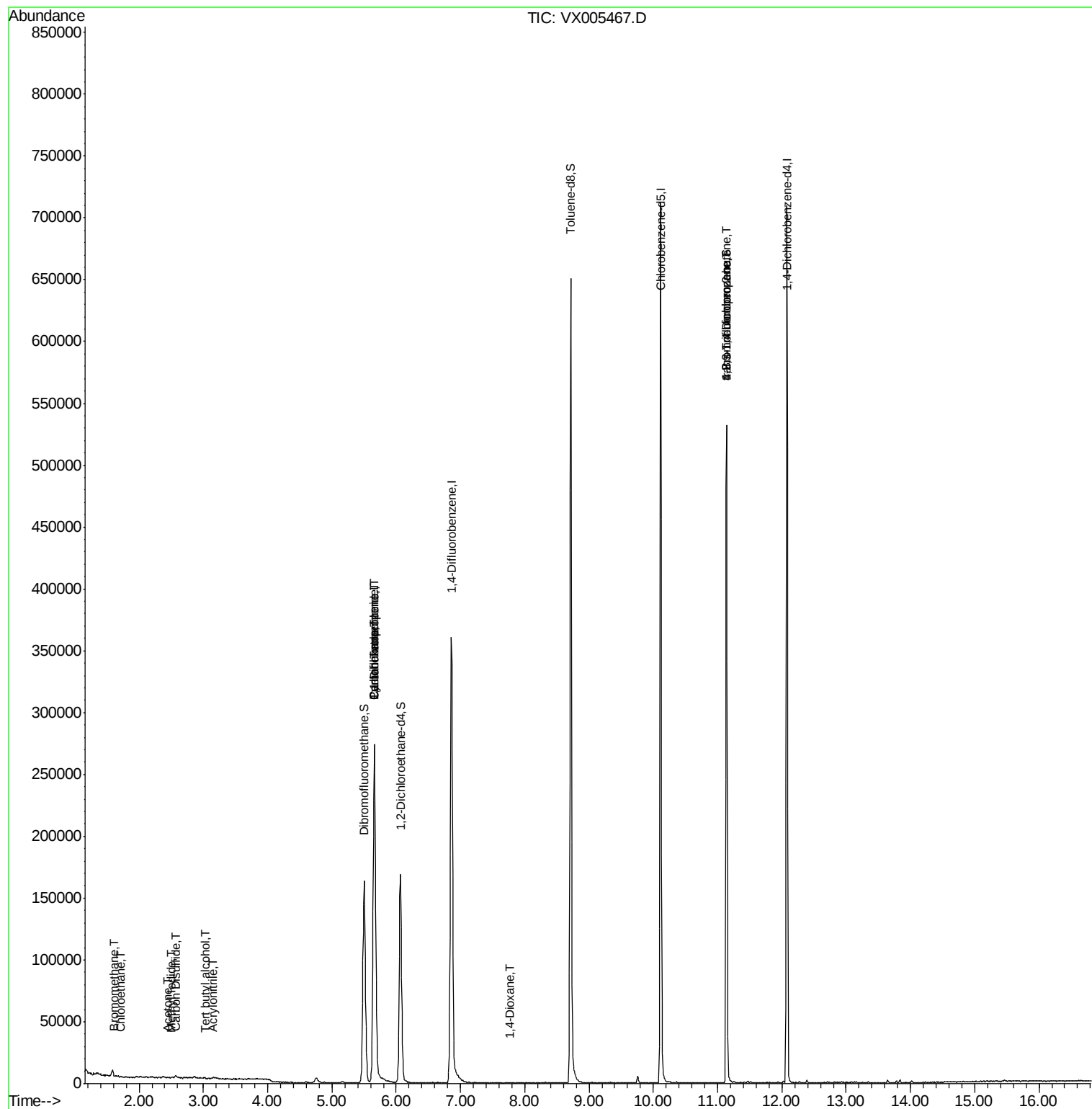
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	119	0.651	ug/l #	3
6) Chloroethane	1.71	64	60	0.364	ug/l #	75
10) Methyl Iodide	2.51	142	375	2.623	ug/l #	88
11) Tert butyl alcohol	3.03	59	416	0.486	ug/l #	89
13) Acrolein	2.29	56	312	Below Cal	#	33
15) Acrylonitrile	3.15	53	944	0.487	ug/l #	95
16) Acetone	2.44	43	683	0.390	ug/l #	93
17) Carbon Disulfide	2.57	76	1633	0.225	ug/l #	75
20) Methylene Chloride	2.85	84	667	Below Cal	#	61
31) Cyclohexane	5.66	56	5725	1.373	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18915	5.026	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24372	6.445	ug/l #	16
44) Trichloroethene	7.21	130	209	Below Cal		65
49) 1,4-Dioxane	7.77	88	26	0.337	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	66640	23.026	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	66640	69.964	ug/l #	10

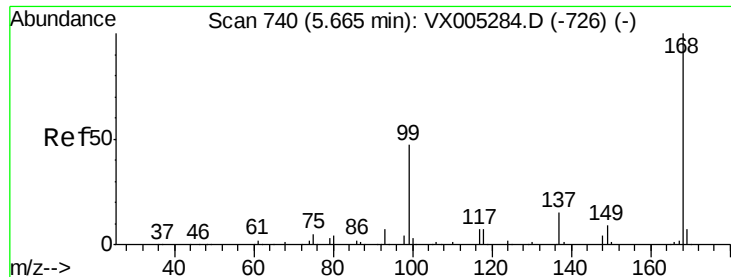
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005467.D
Acq On : 22 Oct 2018 13:45
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Sample : VX1022WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1022WBL01

Quant Time: Oct 23 01:25:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

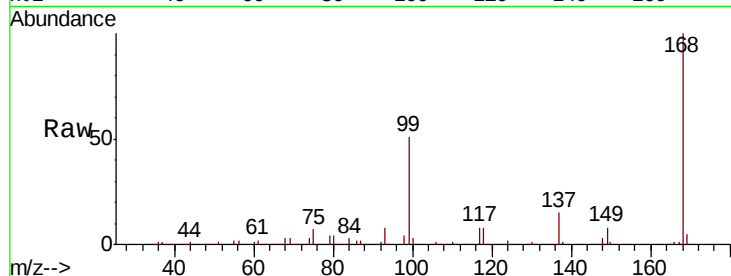
VX1022WBL01

Tot Ion:168 Resp: 273242

Ion Ratio Lower Upper

168 100

99 50.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

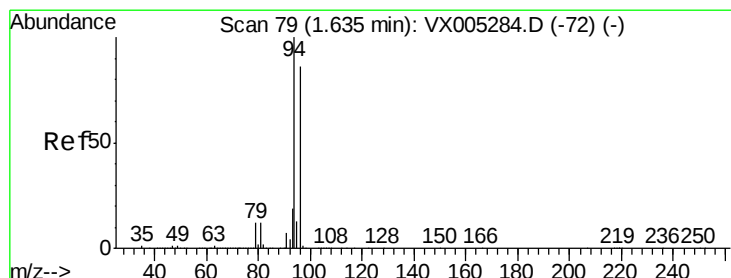
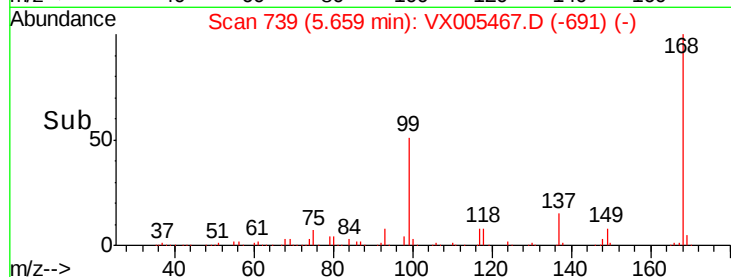
20000

0

Time-->

5.50 5.60 5.70 5.80

5.66



#5

Bromomethane

Concen: 0.651 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX005467.D

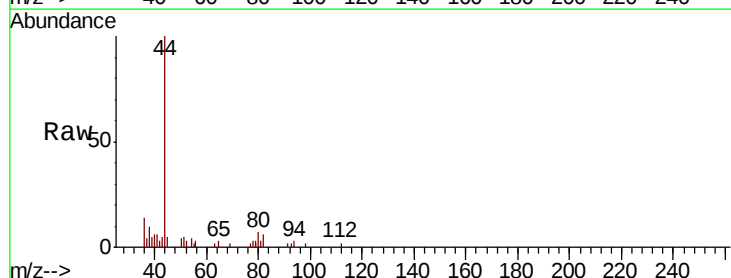
Acq: 22 Oct 2018 13:45

Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

94 100

96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

100

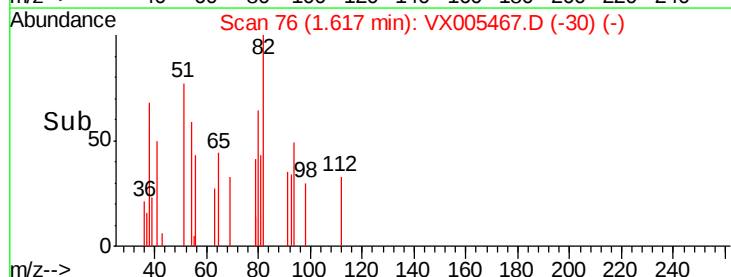
50

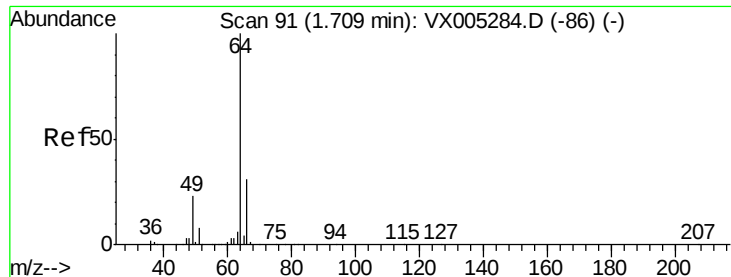
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Time-->

1.60 1.62 1.64

1.62





#6

Chloroethane

Concen: 0.364 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

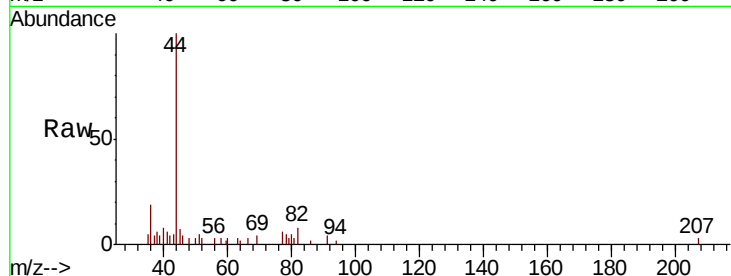
VX1022WBL01

Tot Ion: 64 Resp: 60

Ion Ratio Lower Upper

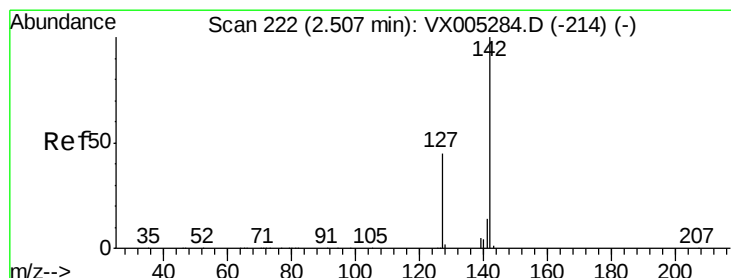
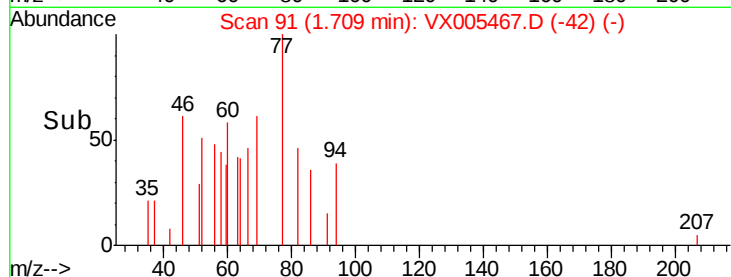
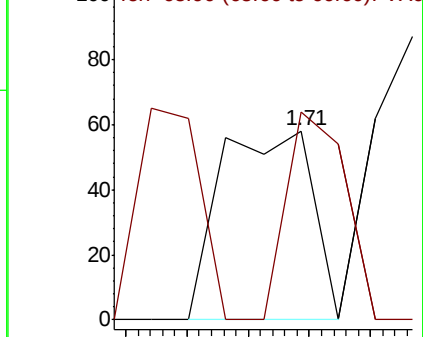
64 100

66 17.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.623 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

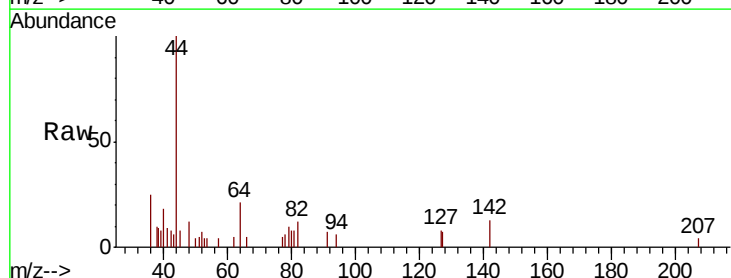
Tgt Ion: 142 Resp: 375

Ion Ratio Lower Upper

142 100

127 44.5 33.8 50.6

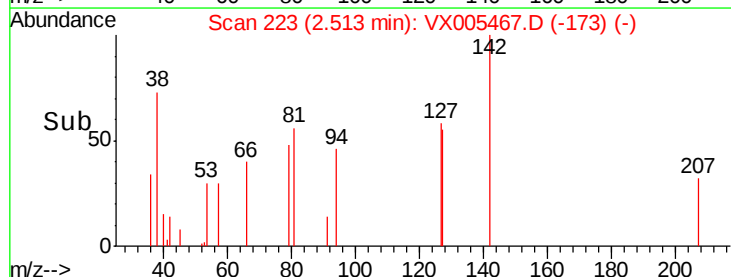
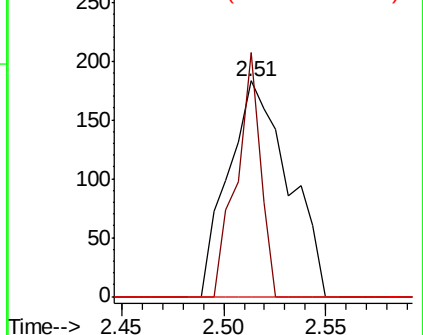
141 0.0 11.4 17.0#

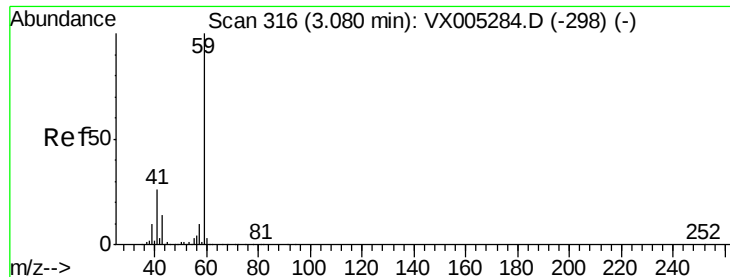


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

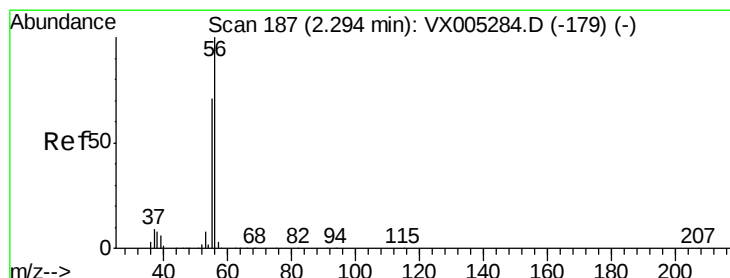
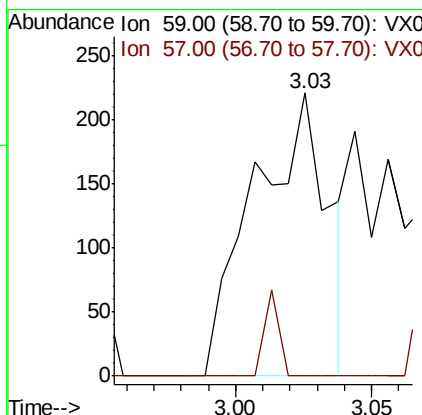
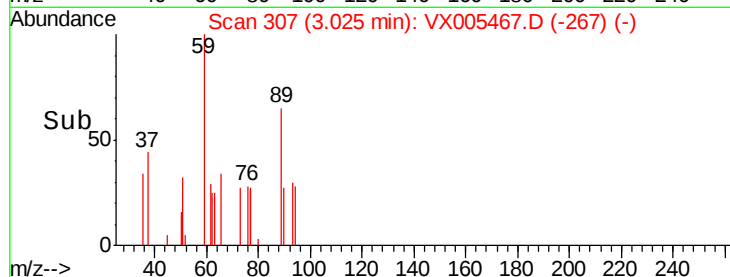
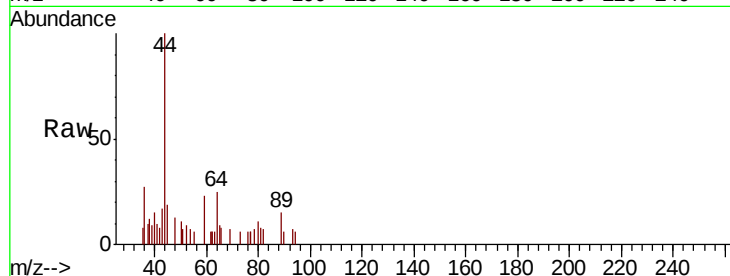




#11
Tert butvl alcohol
Concen: 0.486 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

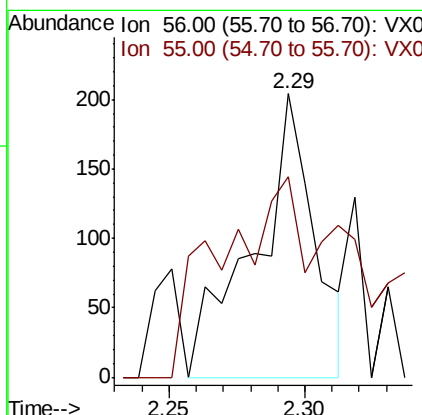
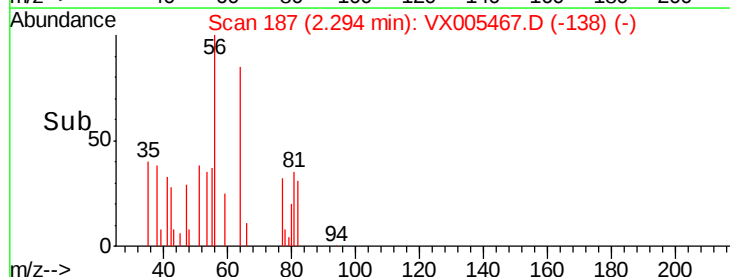
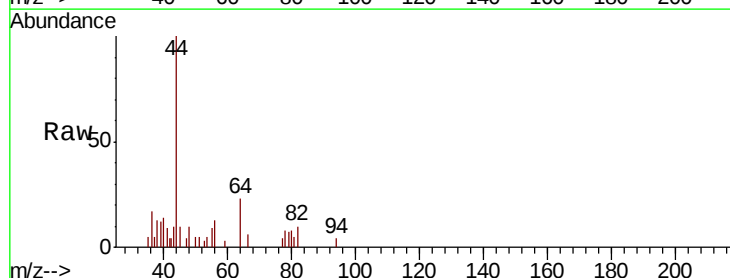
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

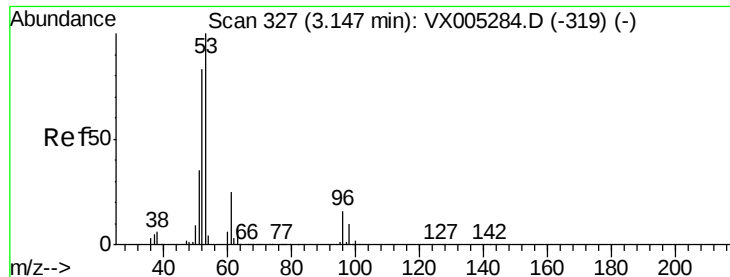
Tot Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 6.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

Tgt Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 14.1 54.7 82.1#





#15

Acrylonitrile

Concen: 0.487 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

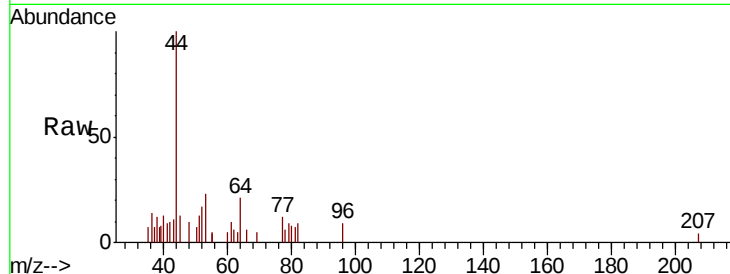
Tot Ion: 53 Resp: 944

Ion Ratio Lower Upper

53 100

52 80.3 65.2 97.8

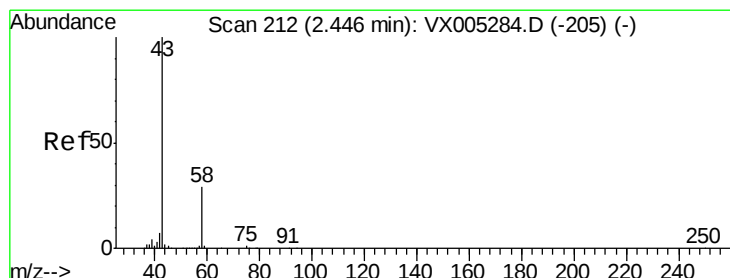
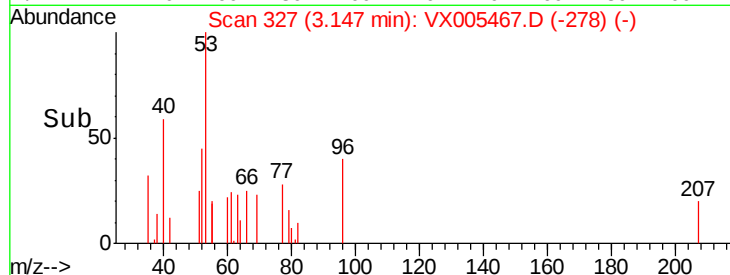
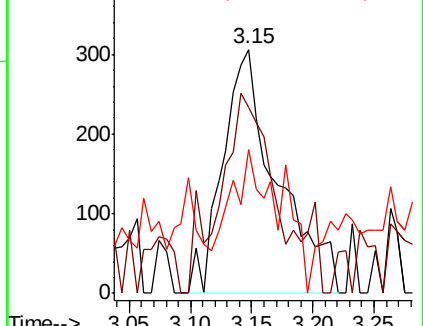
51 42.4 28.2 42.2#



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: 0.390 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005467.D

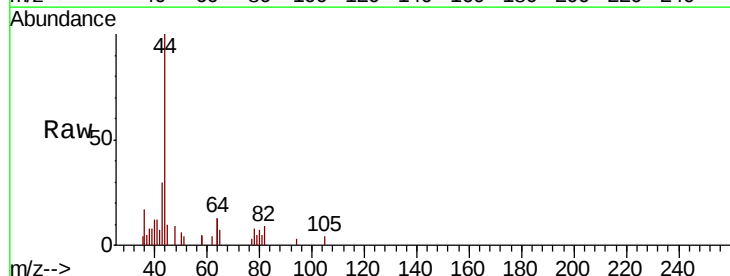
Acq: 22 Oct 2018 13:45

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

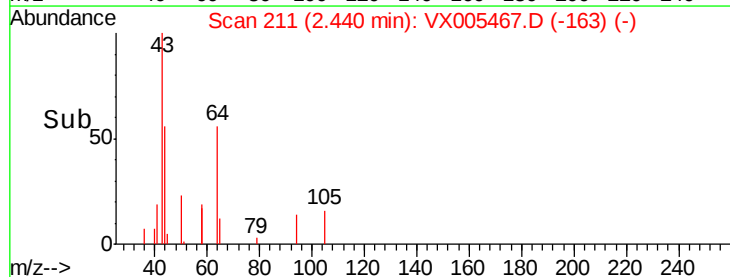
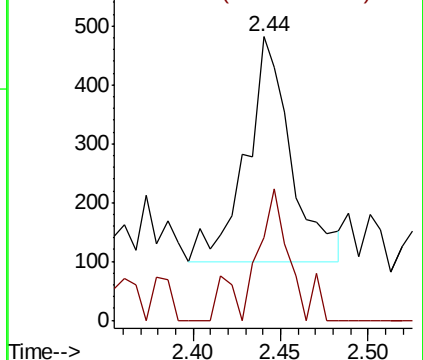
43 100

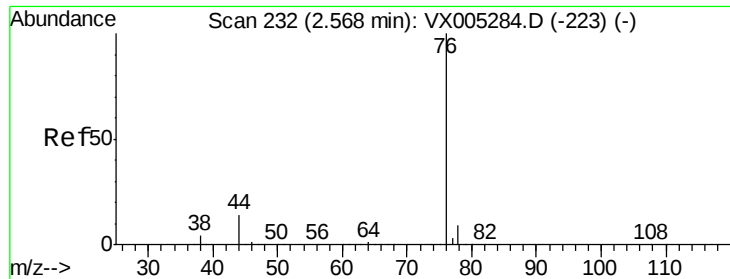
58 36.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.225 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

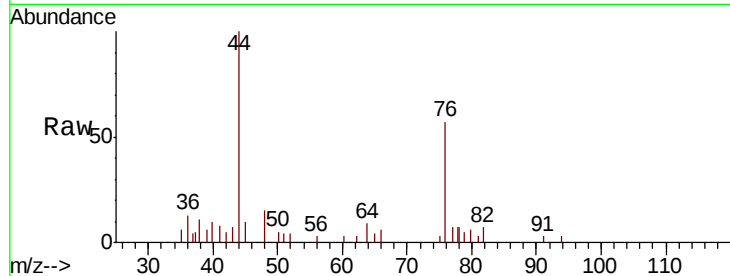
VX1022WBL01

Tot Ion: 76 Resp: 1633

Ion Ratio Lower Upper

76 100

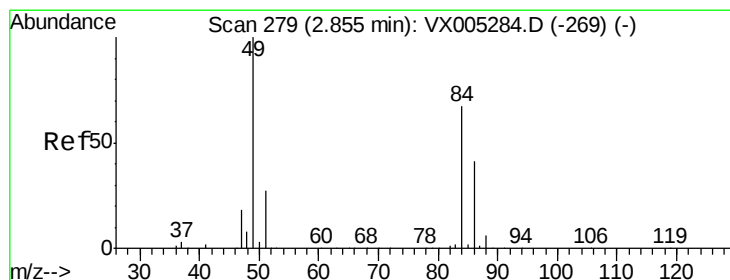
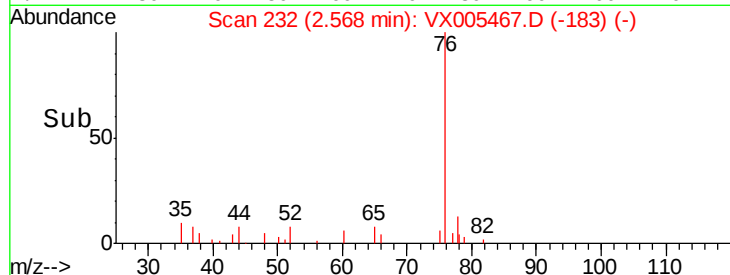
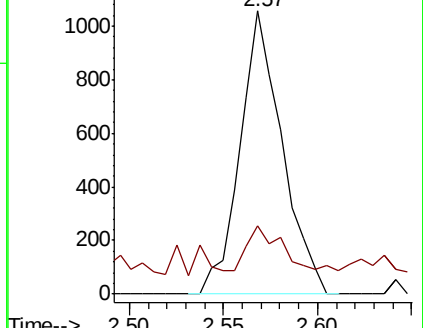
78 17.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Tgt Ion: 84 Resp: 667

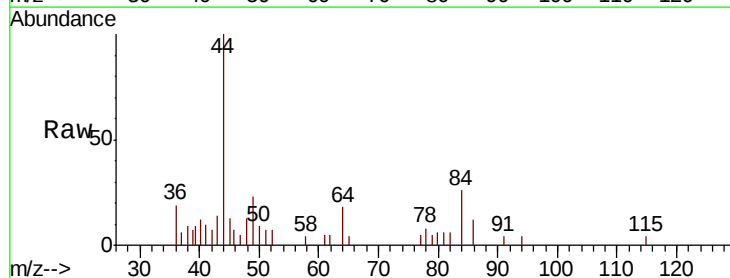
Ion Ratio Lower Upper

84 100

49 74.8 101.2 151.8#

51 7.7 29.5 44.3#

86 47.4 52.3 78.5#

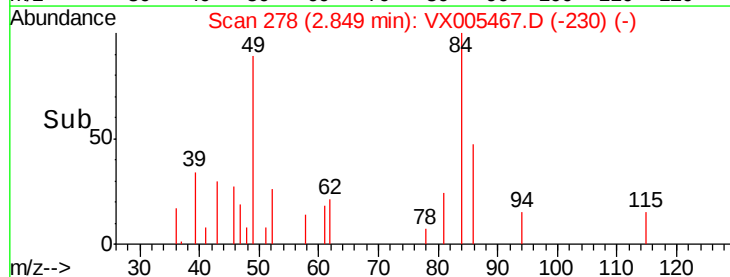
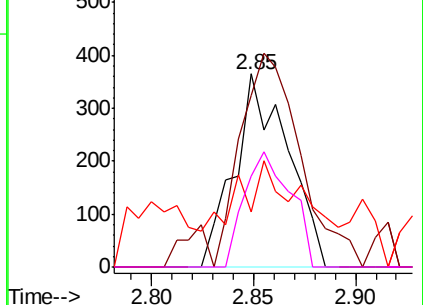


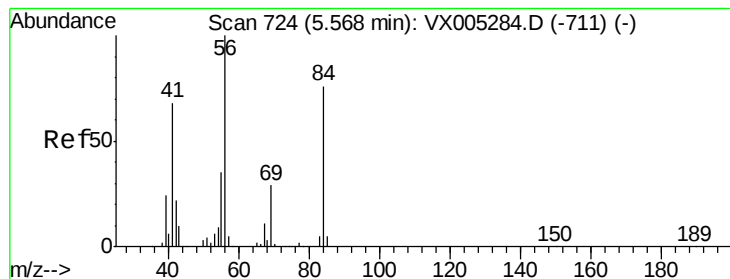
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 1.373 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

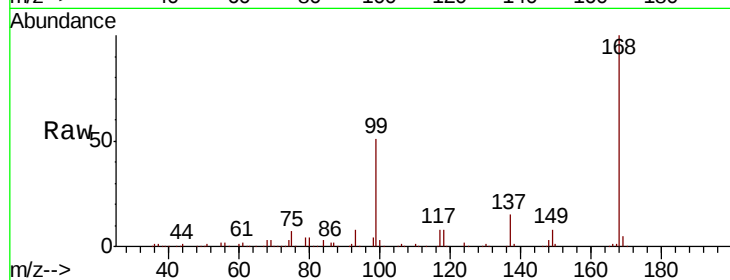
Tot Ion: 56 Resp: 5725

Ion Ratio Lower Upper

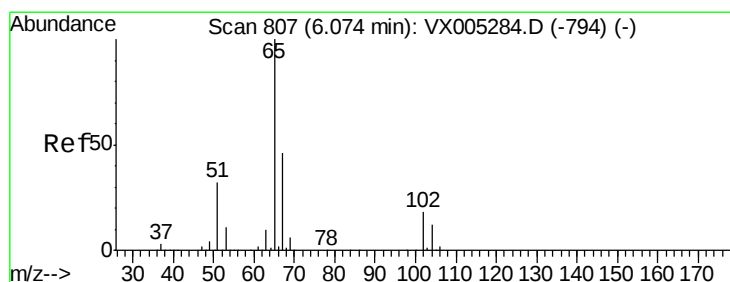
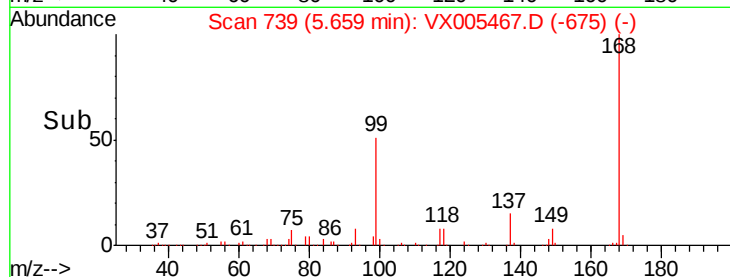
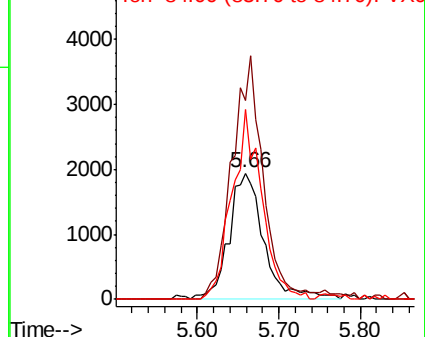
56 100

69 157.8 25.4 38.2#

84 149.9 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.996 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005467.D

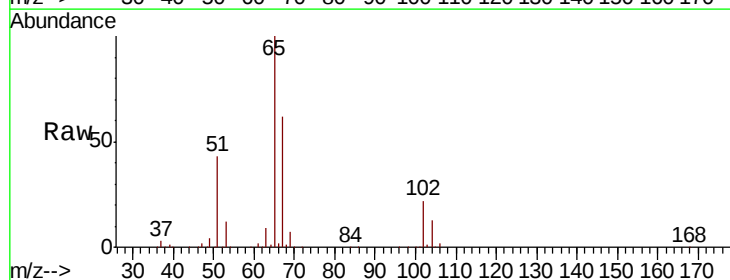
Acq: 22 Oct 2018 13:45

Tgt Ion: 65 Resp: 157681

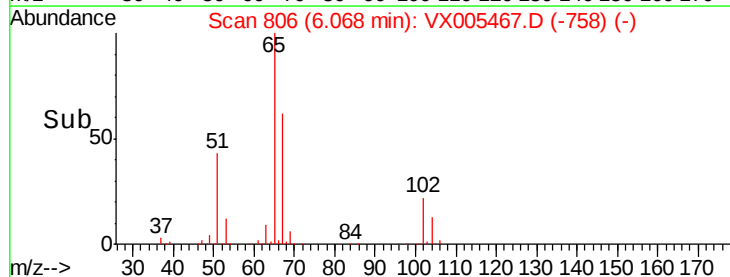
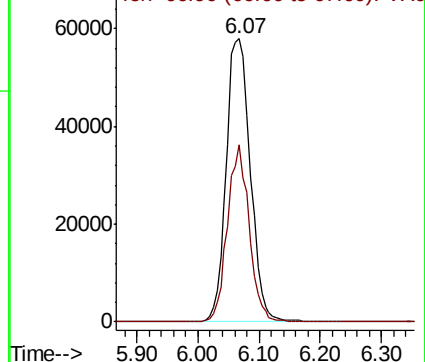
Ion Ratio Lower Upper

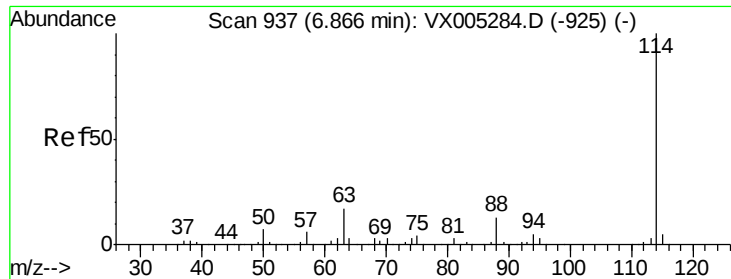
65 100

67 56.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

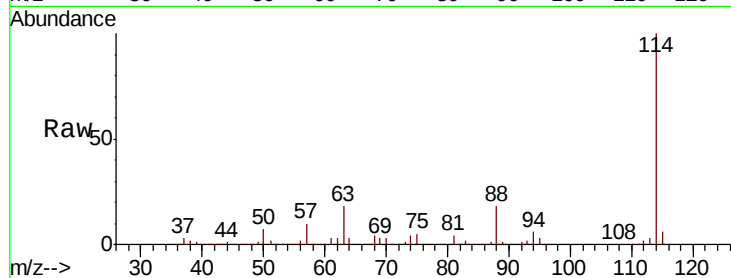




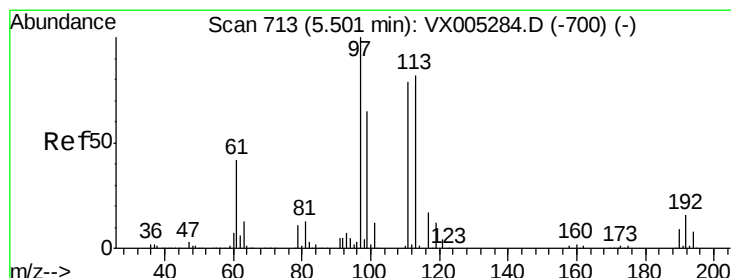
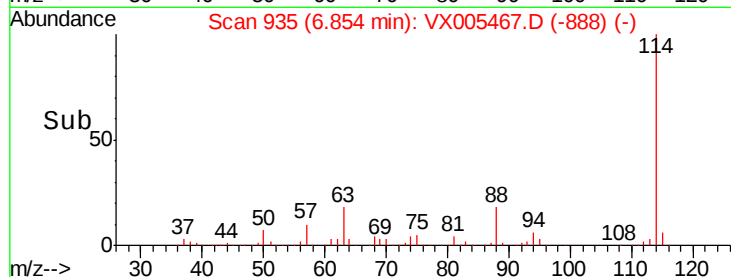
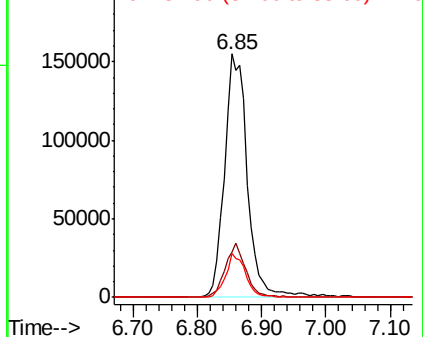
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

Tot Ion:114 Resp: 388576
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.0
88 18.0 0.0 30.4

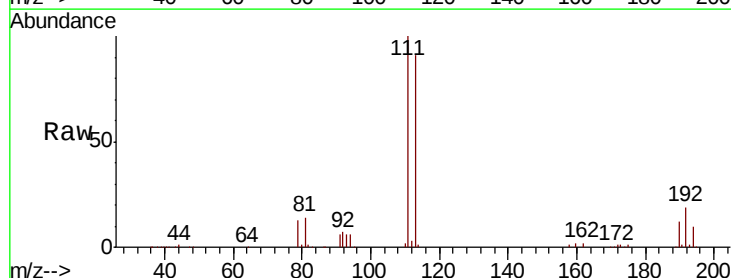


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

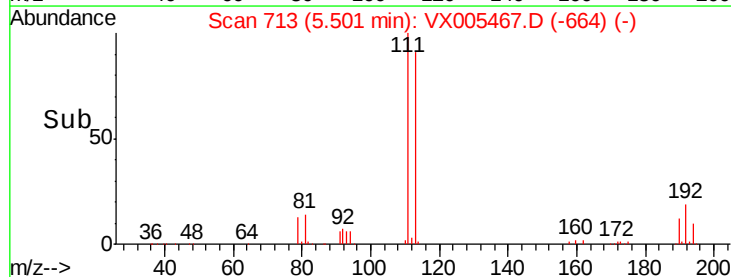
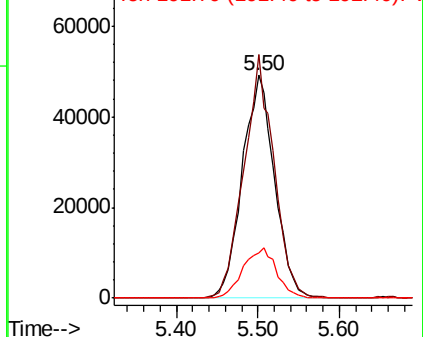


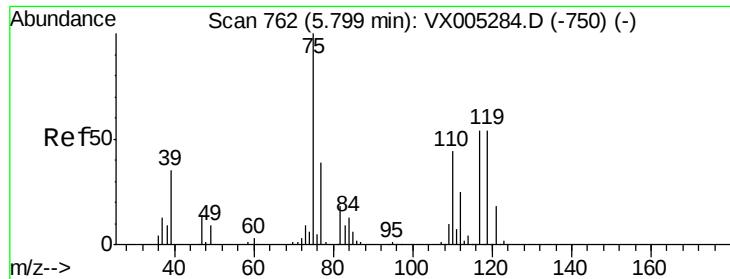
#35
Dibromofluoromethane
Concen: 52.385 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

Tgt Ion:113 Resp: 134819
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 23.4 19.4 29.2



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

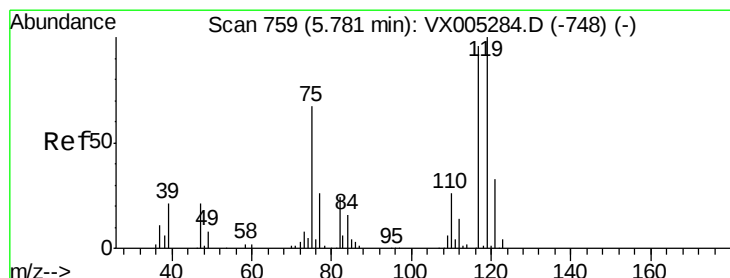
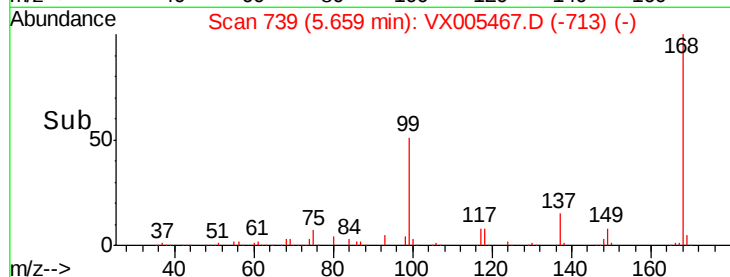
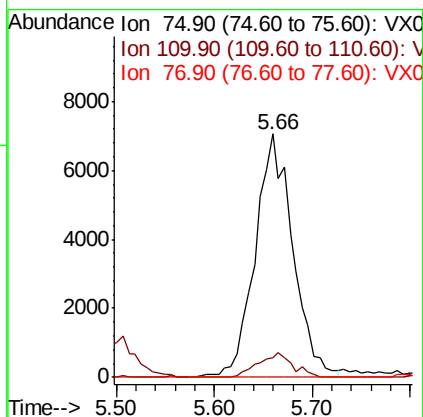
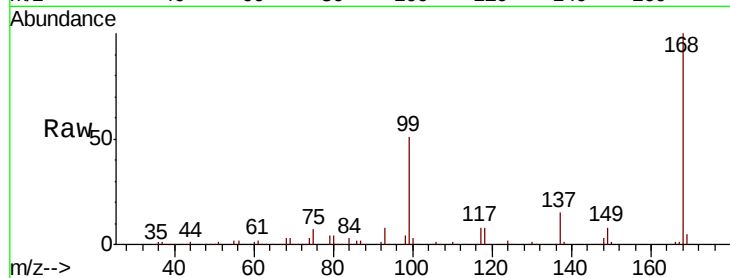




#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005467.D
 Acq: 22 Oct 2018 13:45

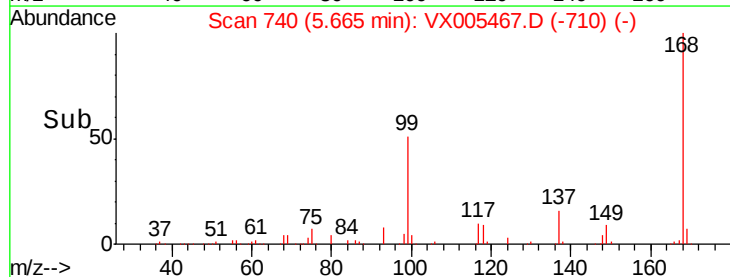
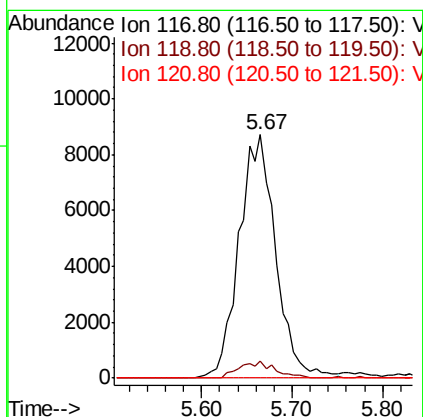
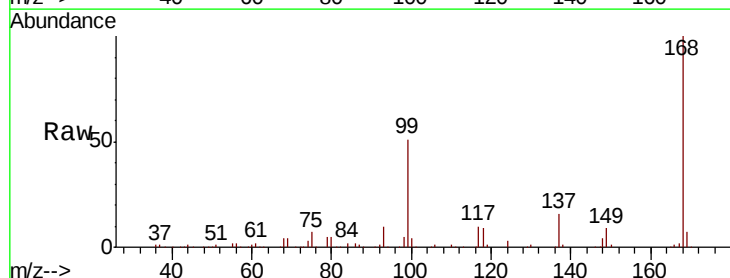
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL01

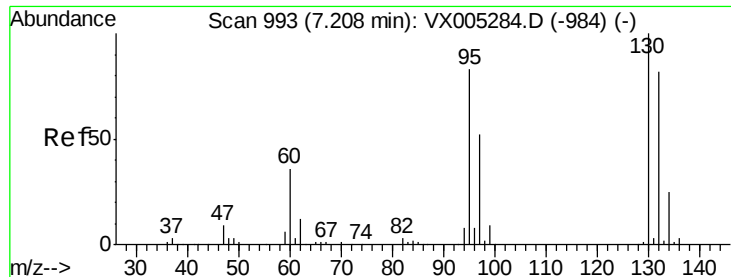
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.445 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005467.D
 Acq: 22 Oct 2018 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	78.8	118.2#
121	0.0	24.9	37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

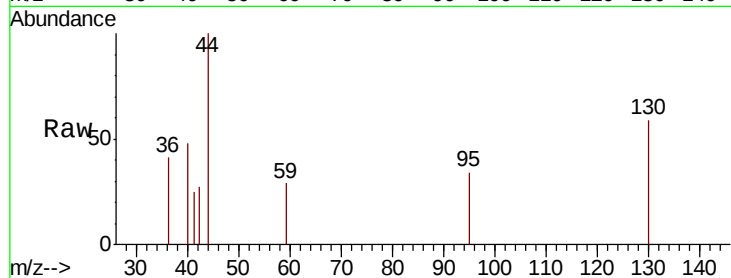
VX1022WBL01

Tot Ion:130 Resp: 209

Ion Ratio Lower Upper

130 100

95 57.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

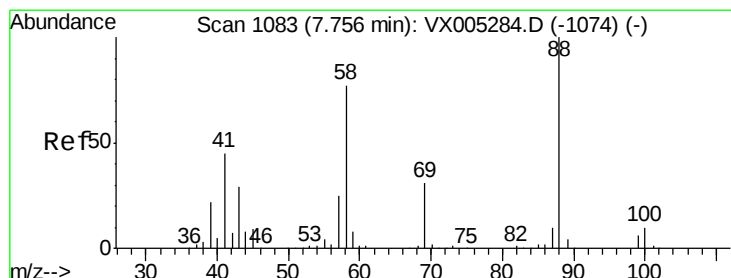
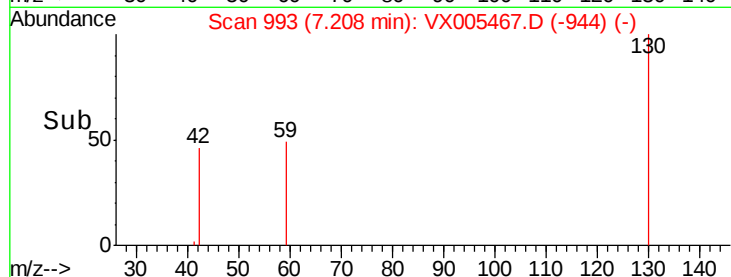
100

50

0

7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 0.337 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

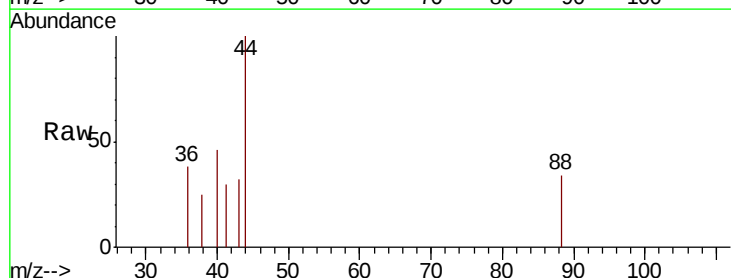
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 638.5 24.7 37.1#

58 0.0 55.3 82.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

100

80

60

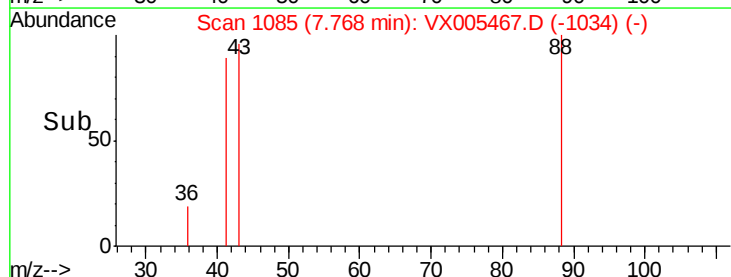
40

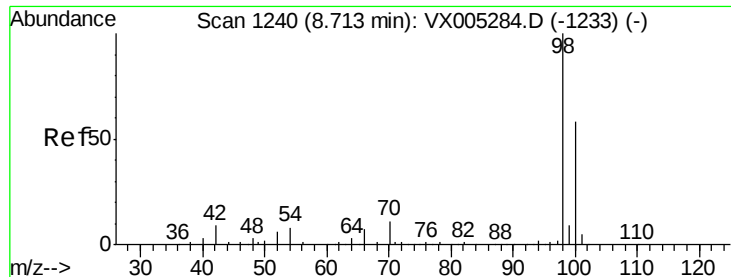
20

0

7.75 7.76 7.77 7.78

Time-->

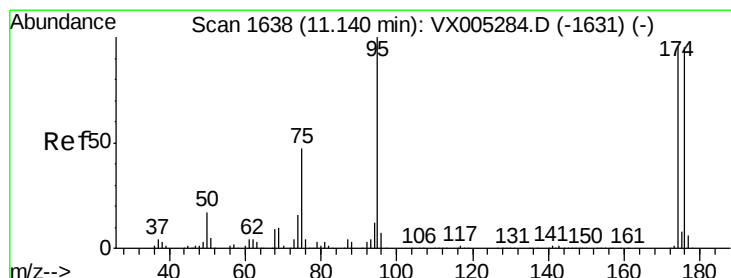
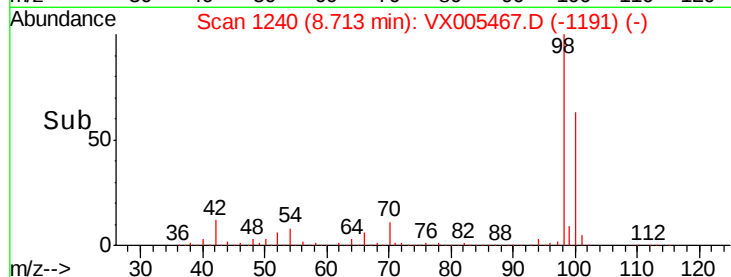
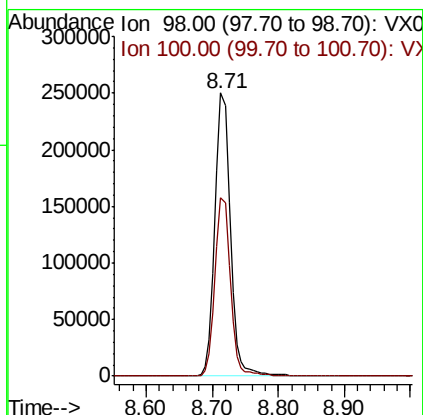
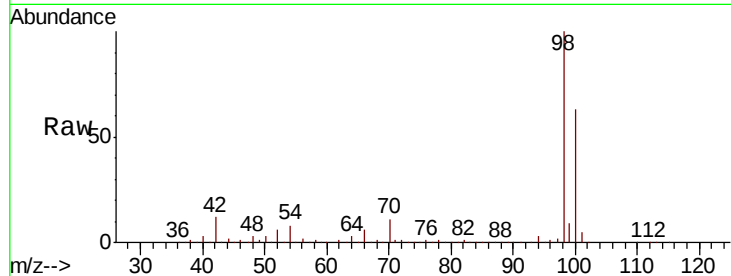




#50
Toluene-d8
Concen: 46.103 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

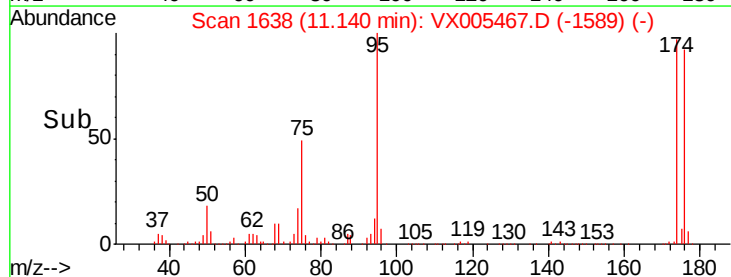
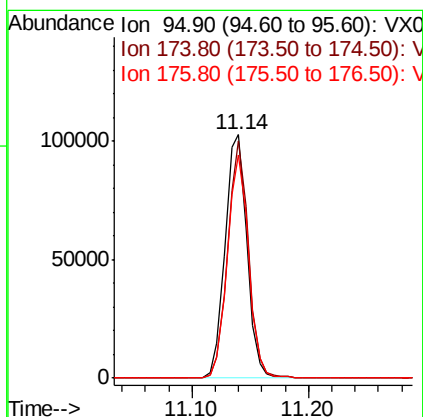
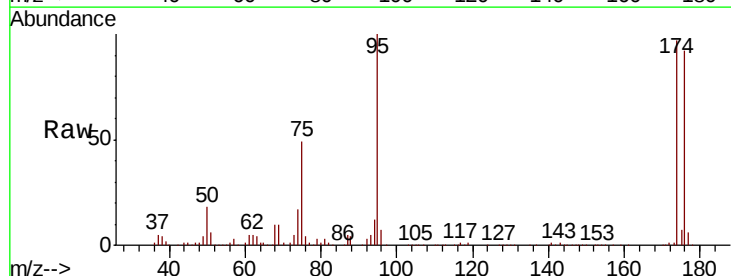
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

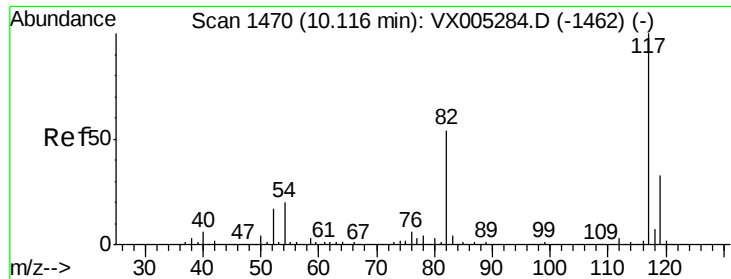
Tot Ion: 98 Resp: 407339
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 40.396 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

Tgt Ion: 95 Resp: 134082
Ion Ratio Lower Upper
95 100
174 92.9 0.0 185.2
176 89.2 0.0 178.6

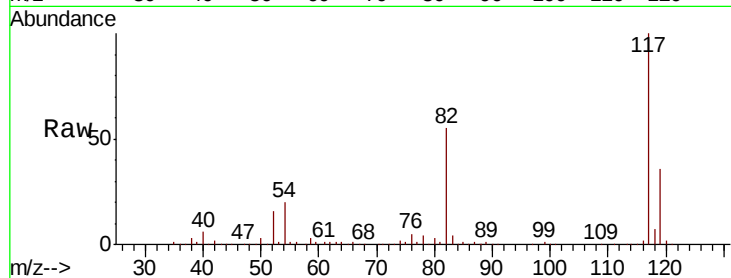




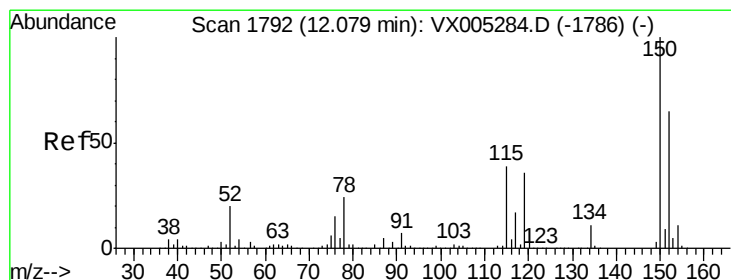
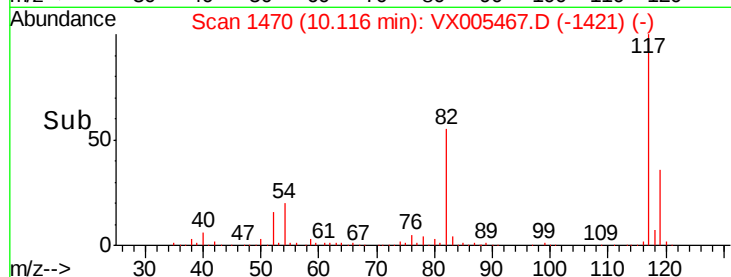
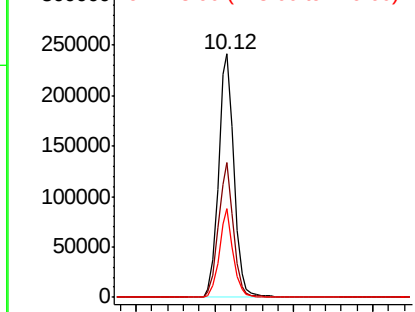
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

Tot Ion:117 Resp: 329611
Ion Ratio Lower Upper
117 100
82 55.4 47.8 71.6
119 36.2 29.3 43.9

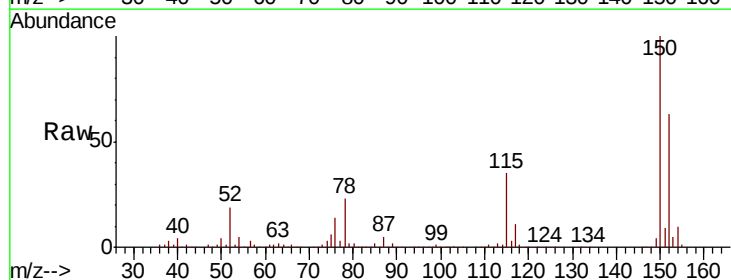


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

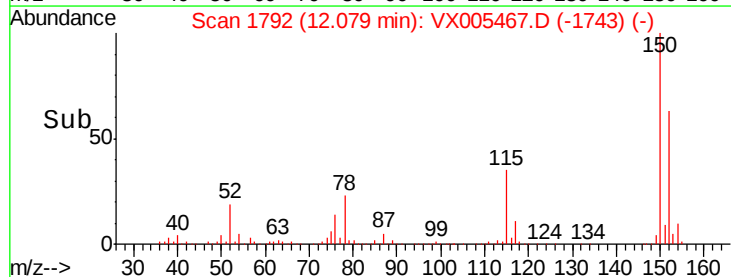
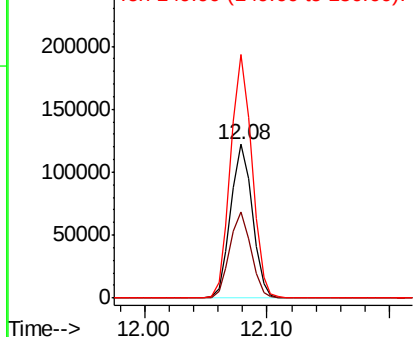


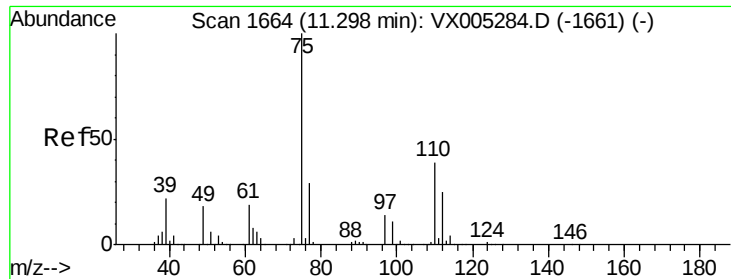
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005467.D
Acq: 22 Oct 2018 13:45

Tgt Ion:152 Resp: 149204
Ion Ratio Lower Upper
152 100
115 55.0 39.0 117.0
150 156.1 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.026 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

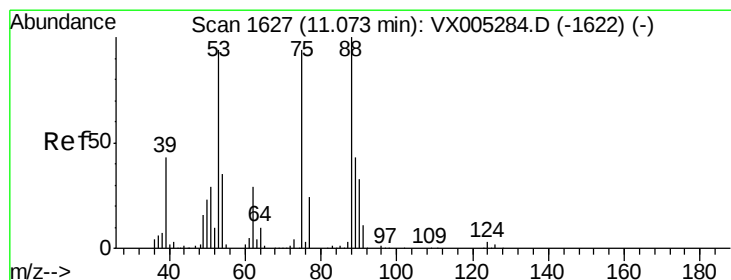
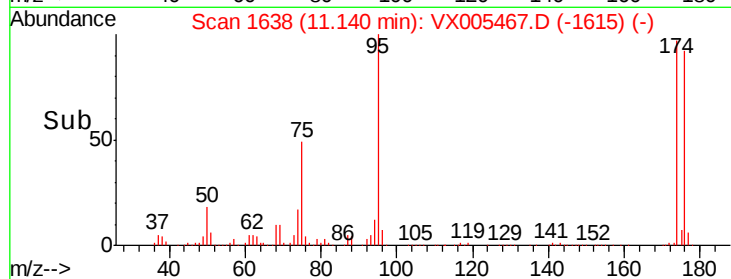
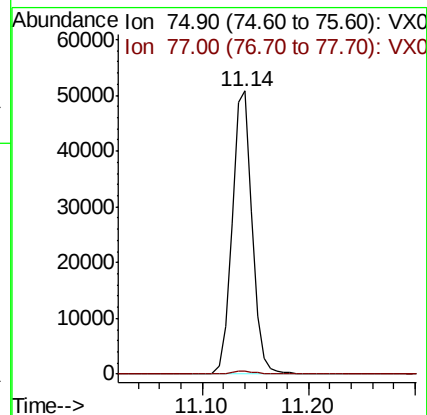
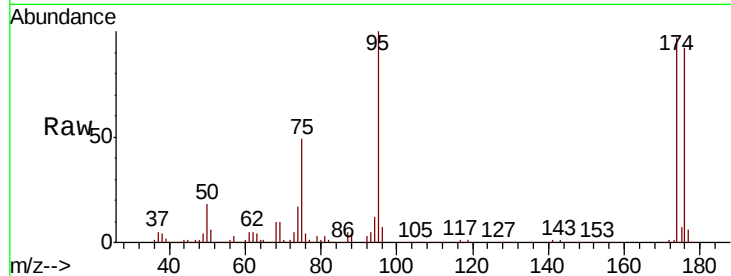
VX1022WBL01

Tot Ion: 75 Resp: 66640

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.964 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005467.D

Acq: 22 Oct 2018 13:45

Tgt Ion: 75 Resp: 66640

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

