

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102518\
 Data File : VX005582.D
 Acq On : 25 Oct 2018 11:55
 Operator : JC/MD
 Sample : VX1025WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL01

Quant Time: Oct 26 05:20:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	283663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	258134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125209	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	122207	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.50	113	95228	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.71	98	343038	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	113560	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	

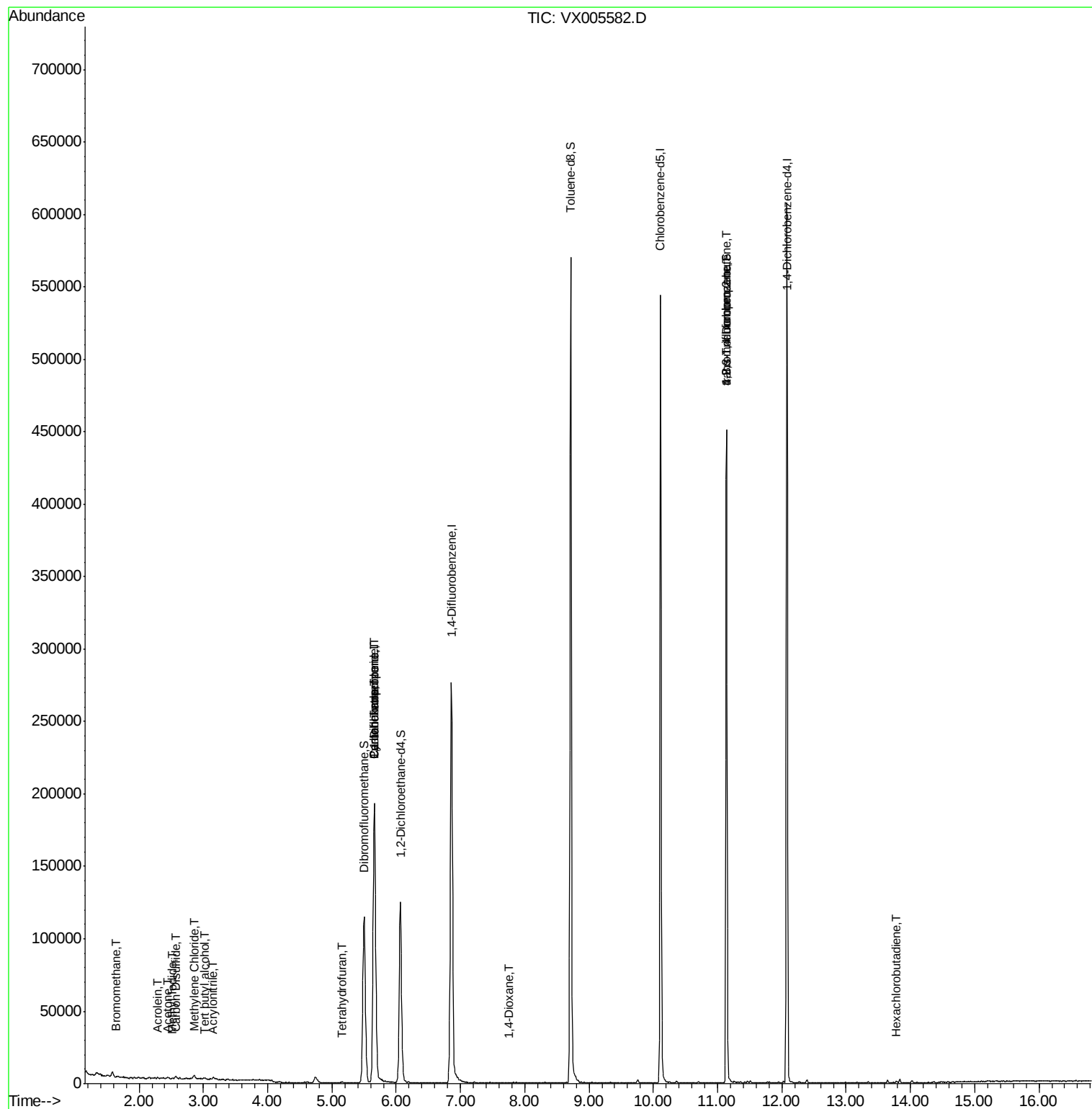
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	305	0.207	ug/l	100
10) Methyl Iodide	2.51	142	211	2.827	ug/l #	77
11) Tert butyl alcohol	3.03	59	597	0.949	ug/l #	72
13) Acrolein	2.29	56	260	0.810	ug/l #	54
15) Acrylonitrile	3.14	53	680	0.482	ug/l #	81
16) Acetone	2.44	43	694	0.562	ug/l #	88
17) Carbon Disulfide	2.57	76	1946	0.355	ug/l	96
18) Methyl Acetate	2.78	43	391	Below Cal	#	78
20) Methylene Chloride	2.86	84	1034	0.500	ug/l #	88
29) Tetrahydrofuran	5.15	42	763	0.623	ug/l #	52
31) Cyclohexane	5.65	56	3794	1.203	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13628	4.951	ug/l #	49
38) Carbon Tetrachloride	5.66	117	17431	6.012	ug/l #	16
49) 1,4-Dioxane	7.76	88	42	0.749	ug/l #	58
76) 1,2,3-Trichloropropane	11.13	75	57352	21.619	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	57352	70.640	ug/l #	9
94) Hexachlorobutadiene	13.78	225	318	0.209	ug/l	74

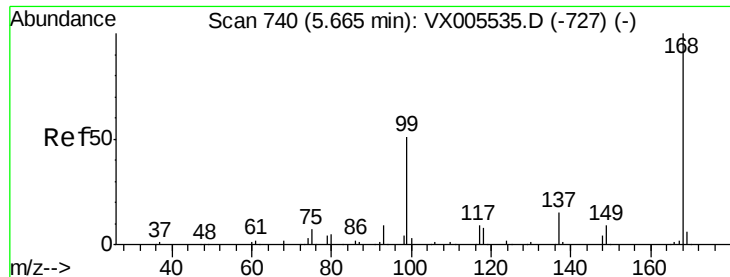
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 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: VX005582.D

Acq: 25 Oct 2018 11:55

Instrument :

MSVOA_X

ClientSampleId :

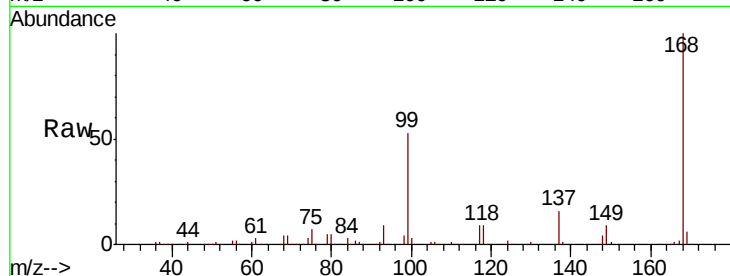
VX1025WBL01

Tot Ion:168 Resp: 191587

Ion Ratio Lower Upper

168 100

99 53.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

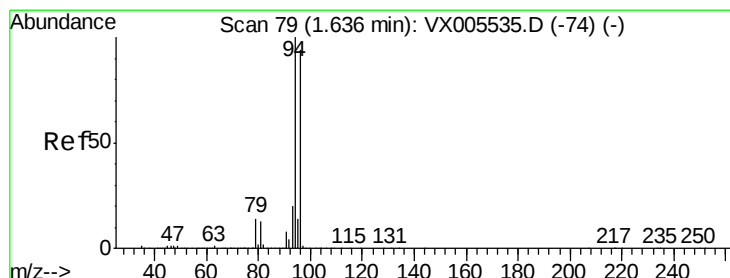
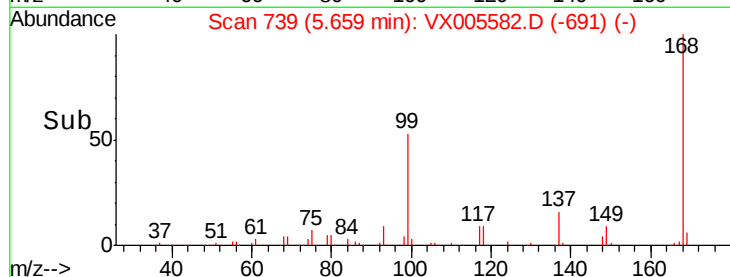
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.207 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005582.D

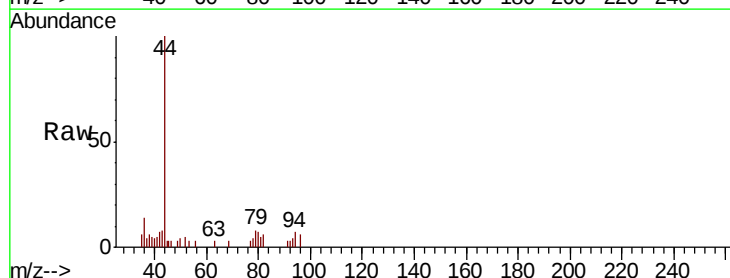
Acq: 25 Oct 2018 11:55

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 94.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

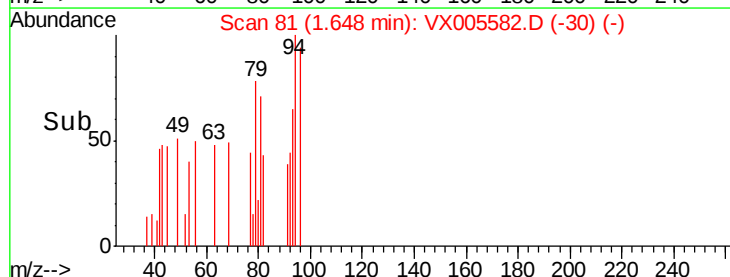
150

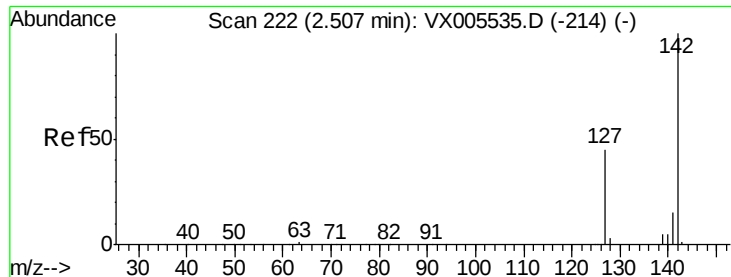
100

50

0

Time--> 1.60 1.65 1.70

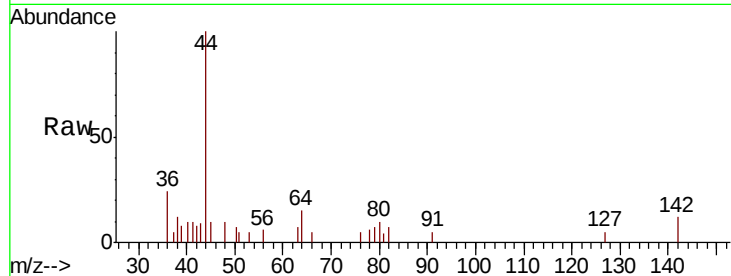




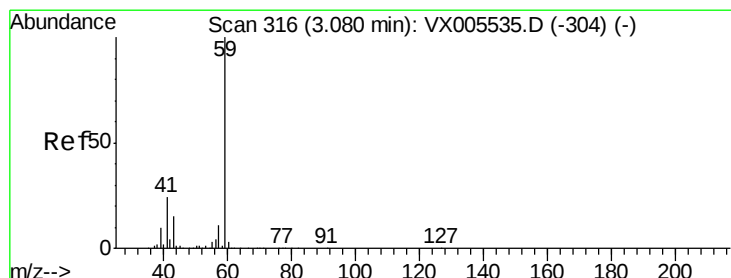
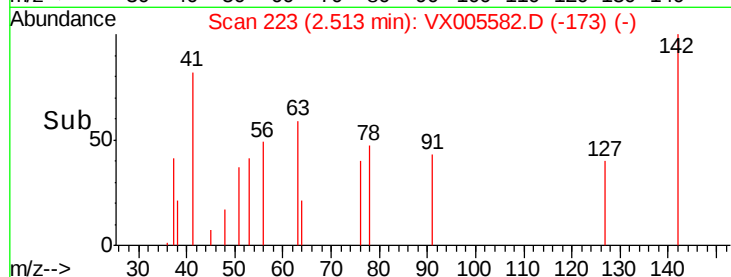
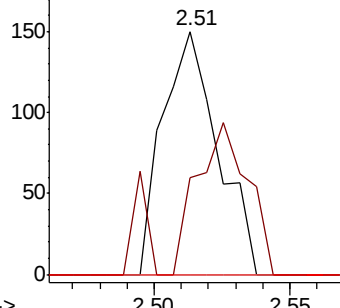
#10
Methyl Iodide
Concen: 2.827 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

Tot Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 57.8 36.0 54.0#
141 0.0 11.7 17.5#

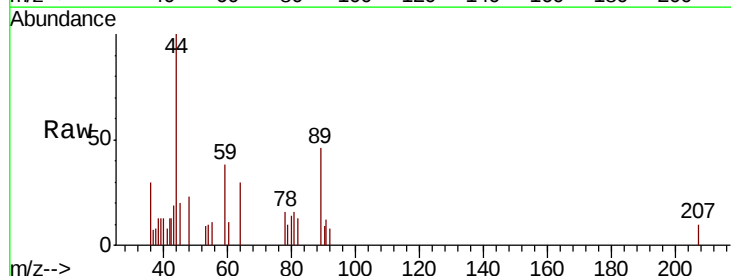


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

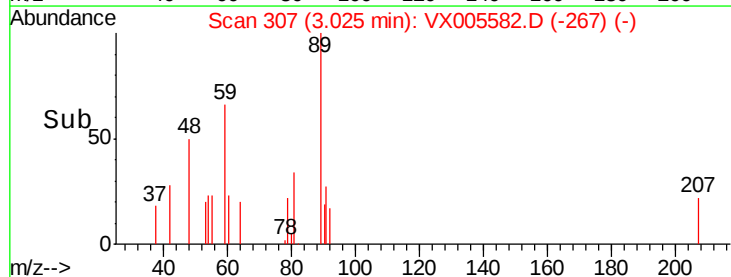
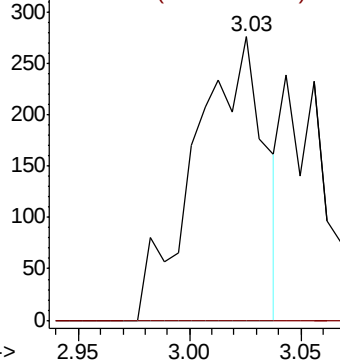


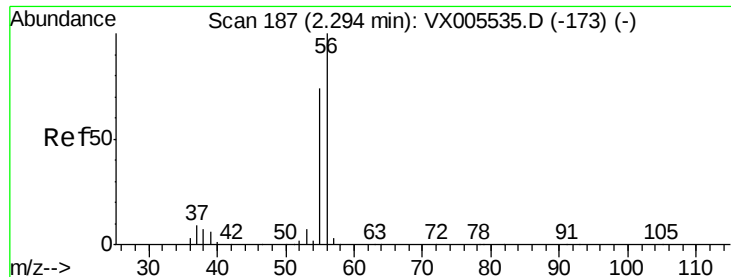
#11
Tert butyl alcohol
Concen: 0.949 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.06 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

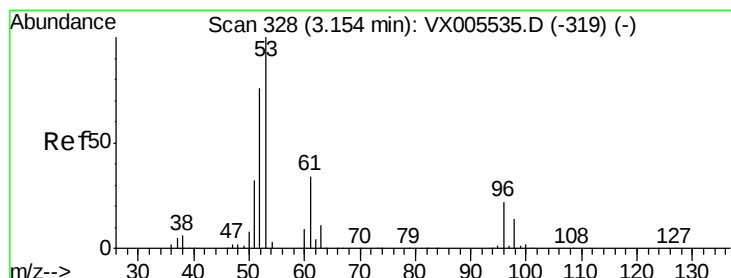
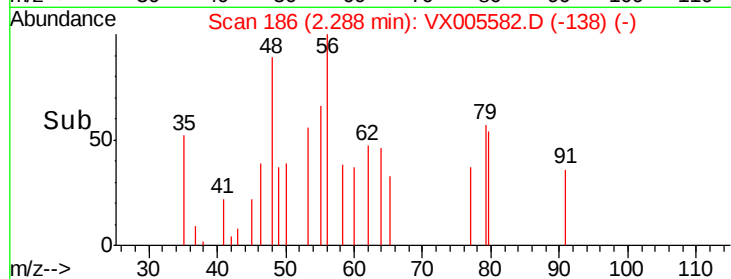
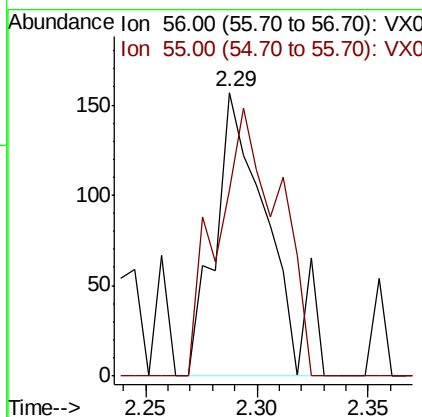
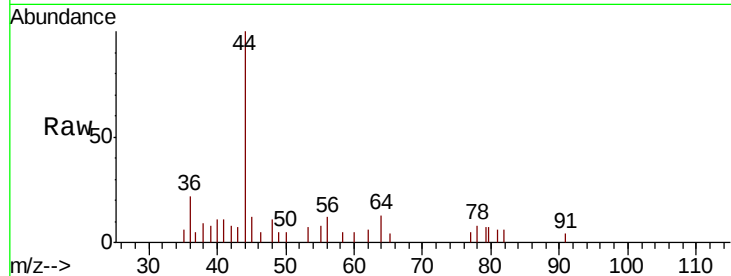




#13
Acrolein
Concen: 0.810 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

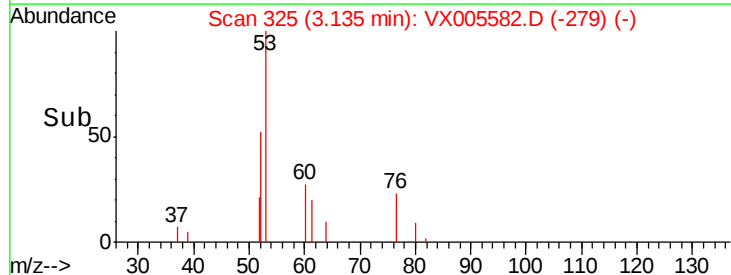
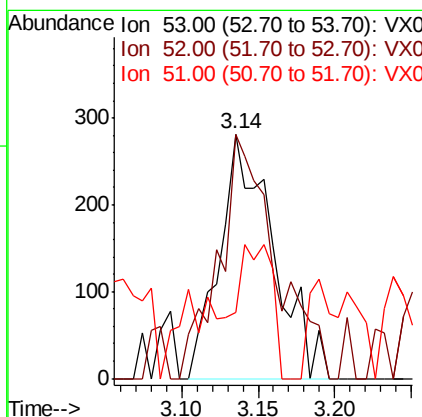
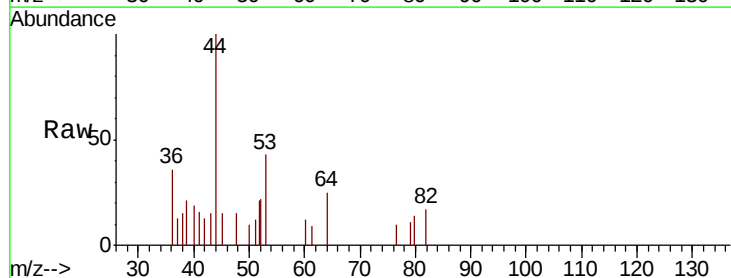
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

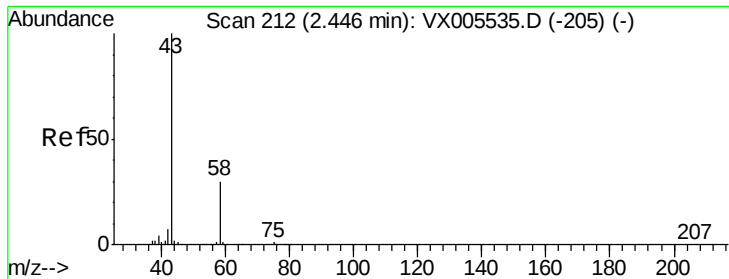
Tot Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 110.0 57.3 85.9#



#15
Acrylonitrile
Concen: 0.482 ug/l
RT: 3.14 min Scan# 325
Delta R.T. -0.02 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Tgt Ion: 53 Resp: 680
Ion Ratio Lower Upper
53 100
52 105.7 66.6 99.8#
51 38.5 28.4 42.6





#16

Acetone

Concen: 0.562 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

Instrument :

MSVOA_X

ClientSampled :

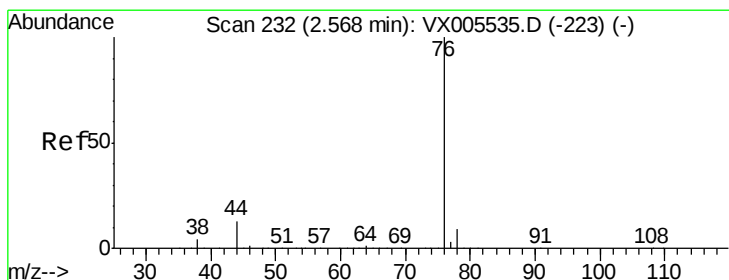
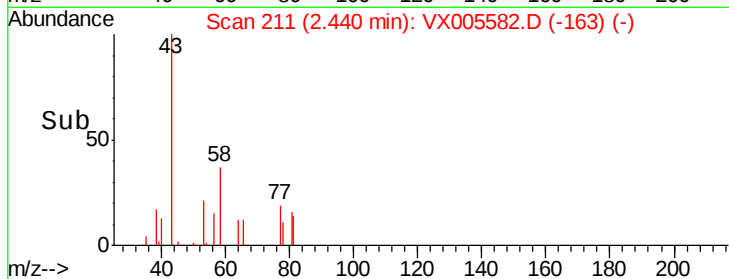
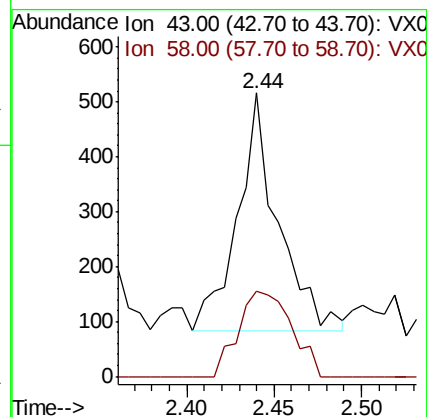
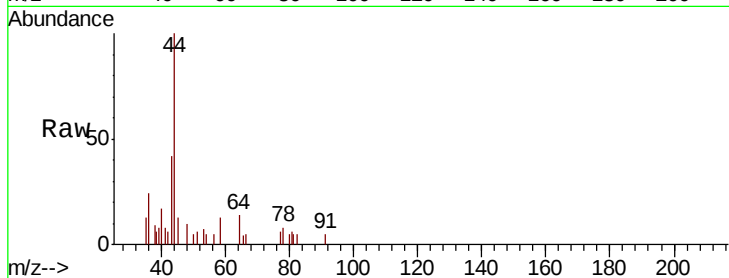
VX1025WBL01

Tot Ion: 43 Resp: 694

Ion Ratio Lower Upper

43 100

58 36.0 23.8 35.6#



#17

Carbon Disulfide

Concen: 0.355 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005582.D

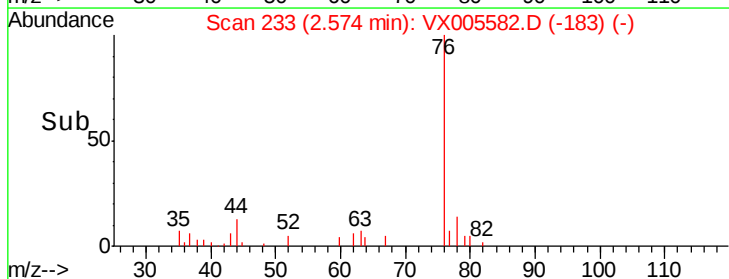
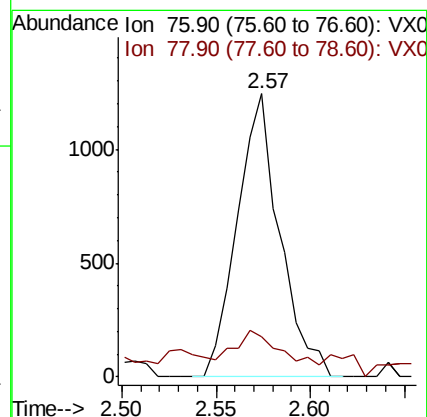
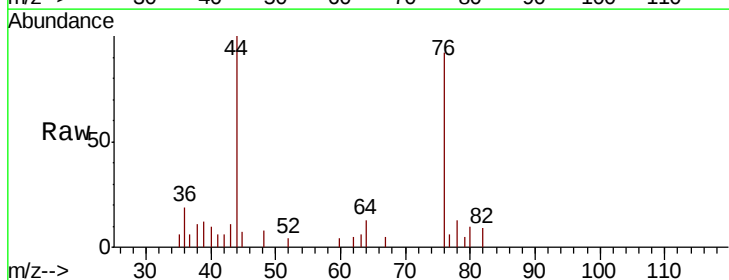
Acq: 25 Oct 2018 11:55

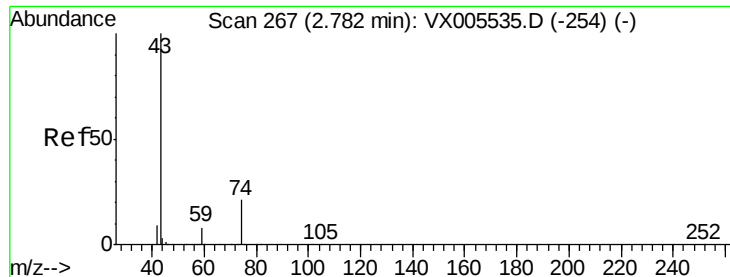
Tgt Ion: 76 Resp: 1946

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9

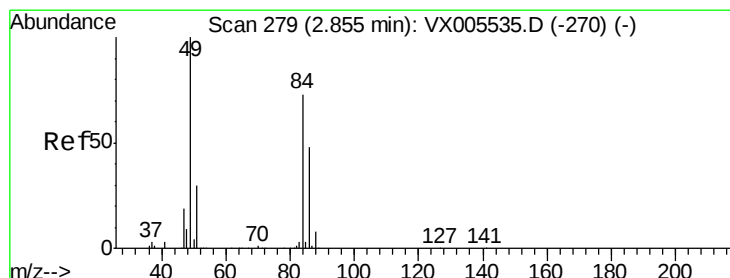
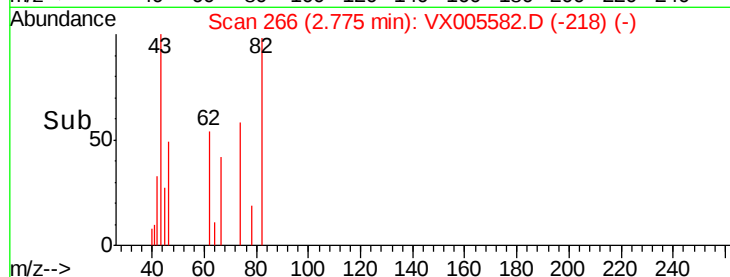
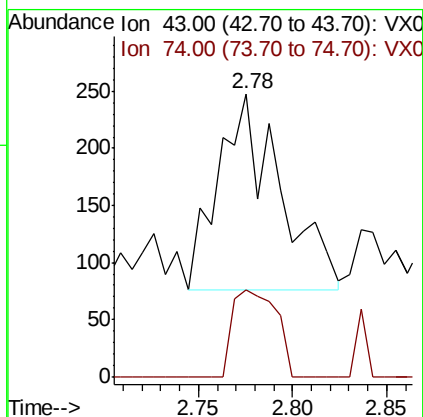
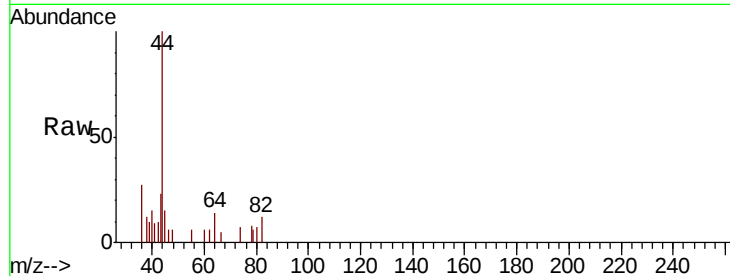




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

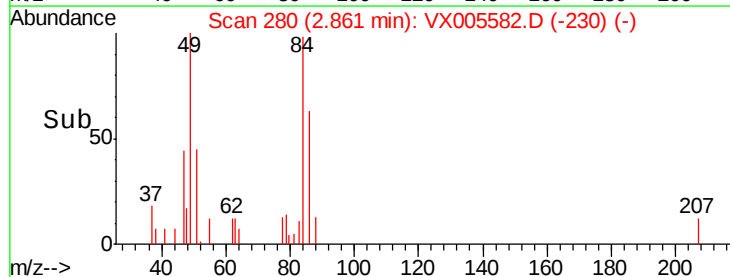
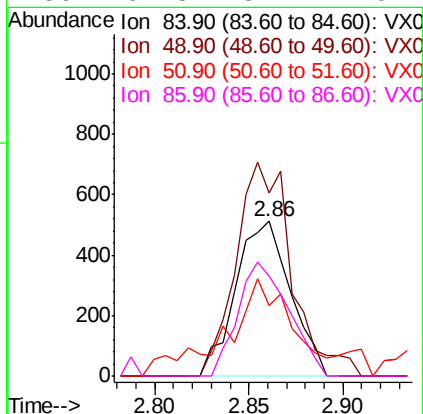
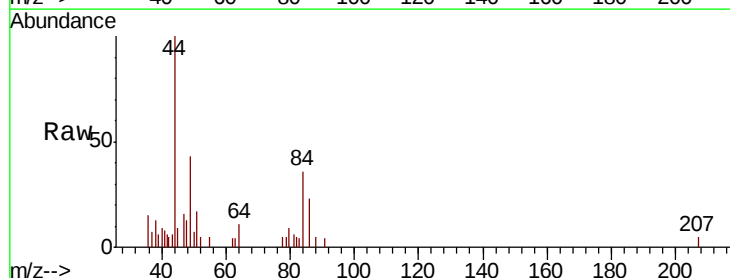
Instrument :
MSVOA_X
ClientSampled :
VX1025WBL01

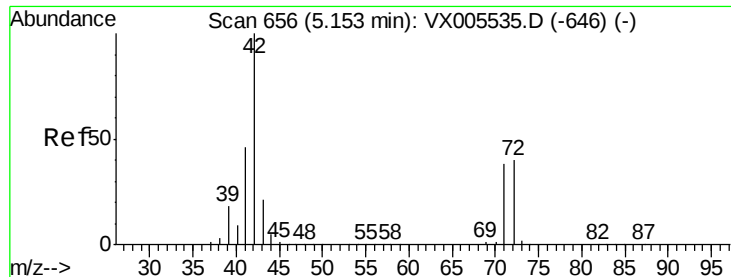
Tot Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
74 31.2 16.8 25.2#



#20
Methylene Chloride
Concen: 0.500 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Tgt Ion: 84 Resp: 1034
Ion Ratio Lower Upper
84 100
49 118.4 109.5 164.3
51 32.2 33.3 49.9#
86 64.3 52.7 79.1

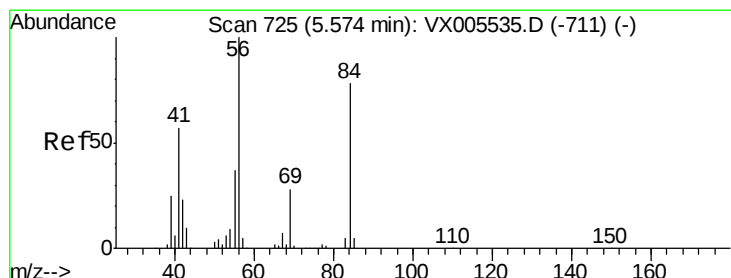
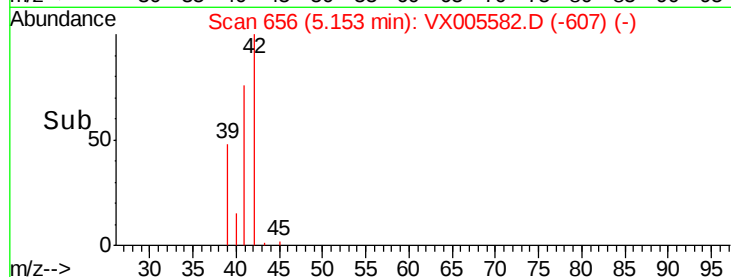
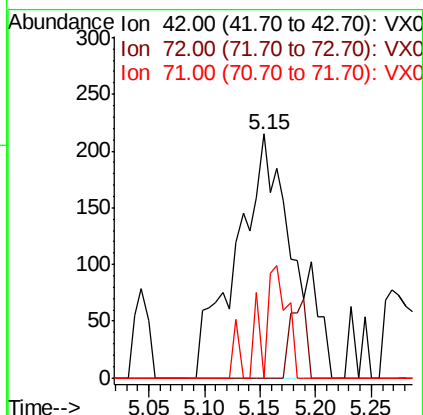
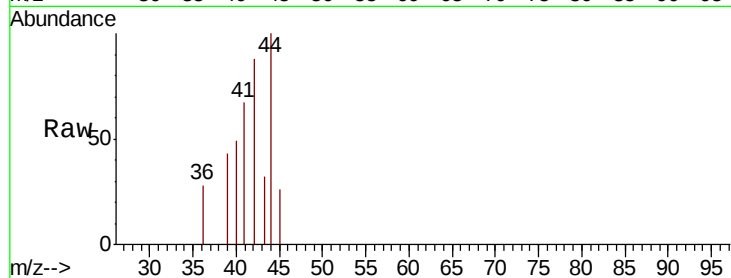




#29
Tetrahydrofuran
Concen: 0.623 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

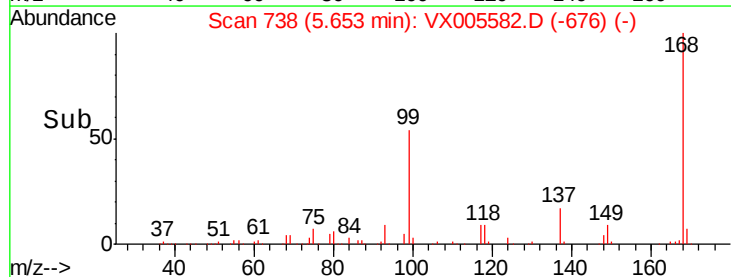
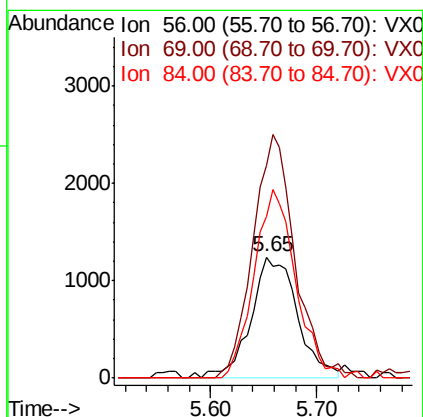
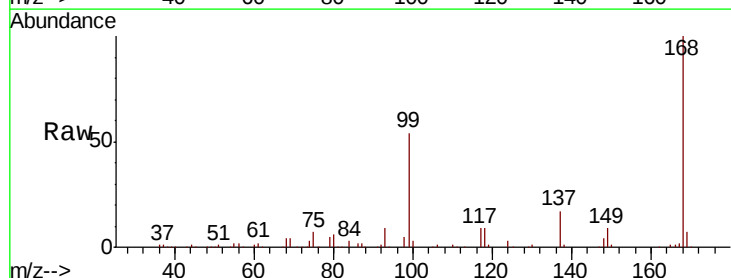
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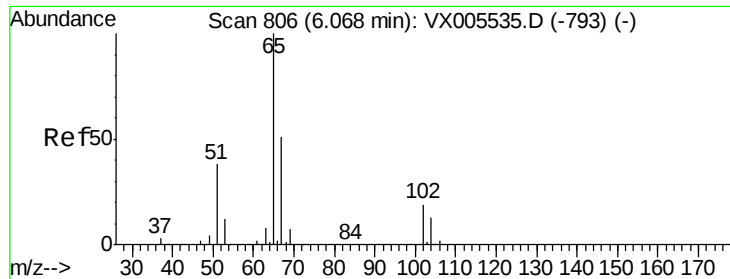
Tot Ion: 42 Resp: 763
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 18.7 29.8 44.8#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Tgt Ion: 56 Resp: 3794
Ion Ratio Lower Upper
56 100
69 176.1 22.6 34.0#
84 133.0 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 52.255 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

Instrument :

MSVOA_X

ClientSampled :

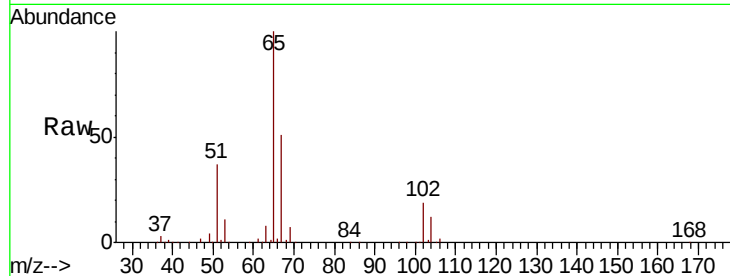
VX1025WBL01

Tot Ion: 65 Resp: 122207

Ion Ratio Lower Upper

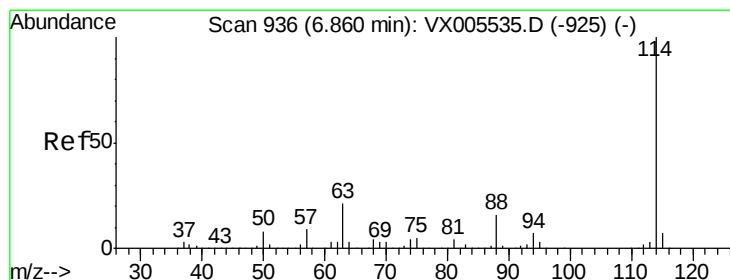
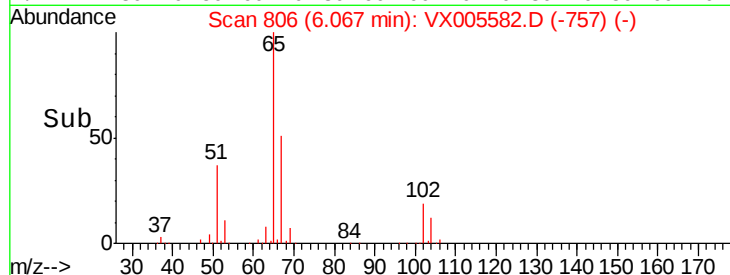
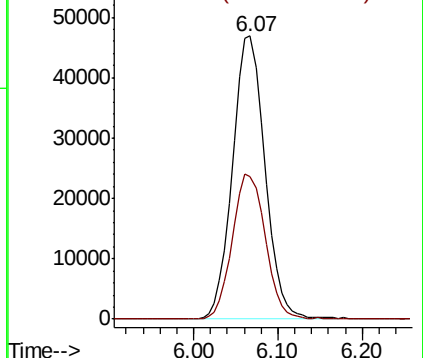
65 100

67 52.3 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

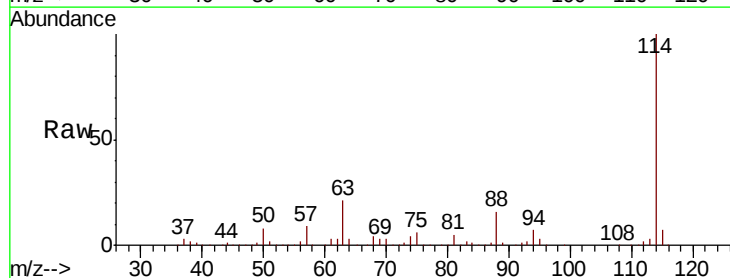
Tgt Ion: 114 Resp: 283663

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

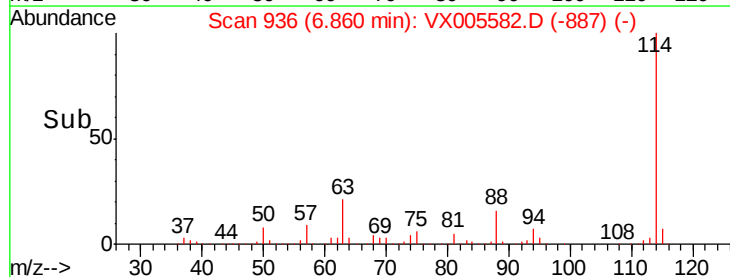
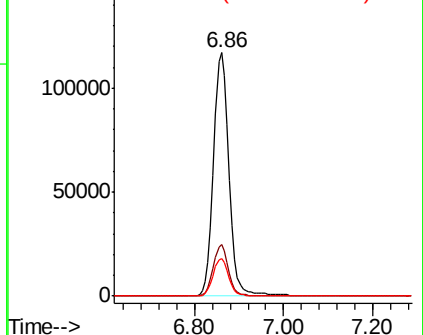
88 15.6 0.0 31.2

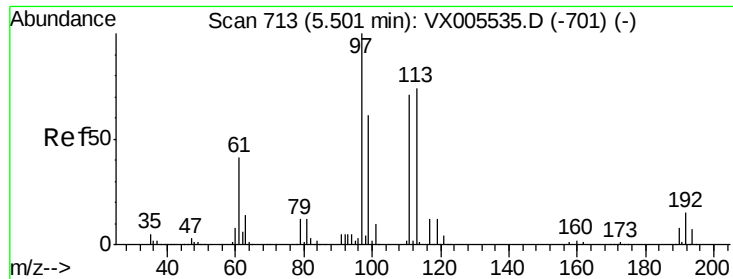


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.579 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBL01

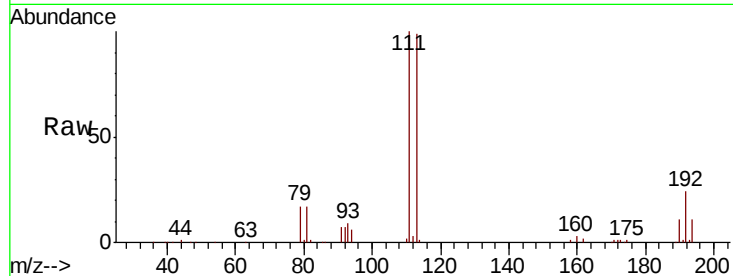
Tot Ion:113 Resp: 95228

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

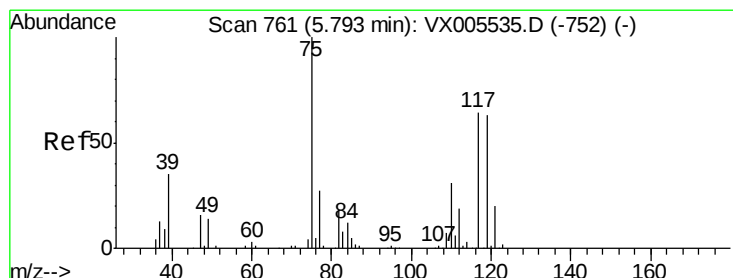
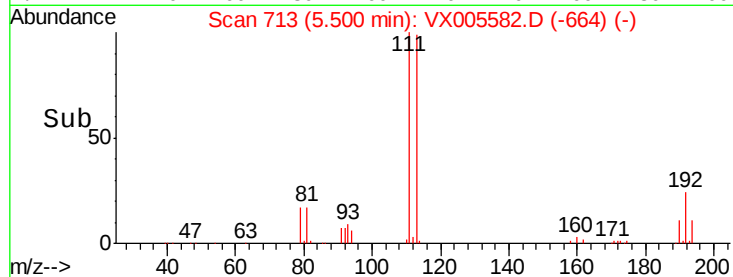
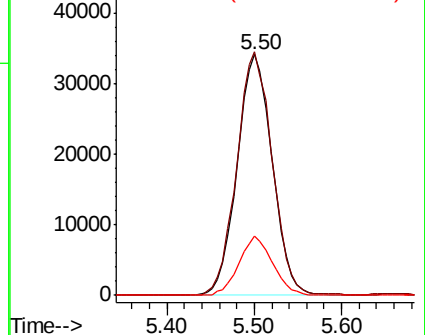
192 23.5 17.9 26.9



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: 4.951 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

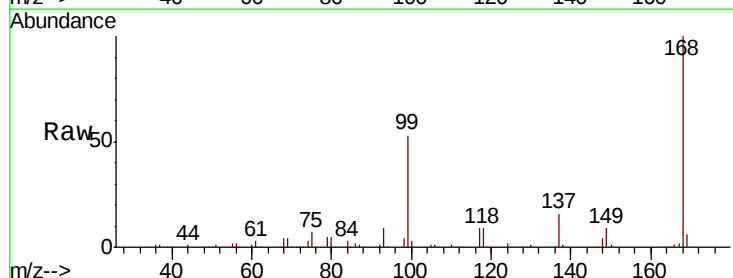
Tgt Ion: 75 Resp: 13628

Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.2#

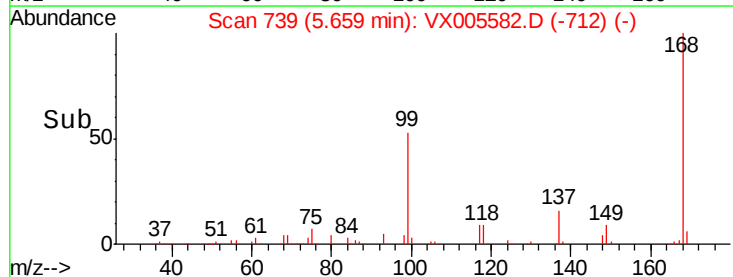
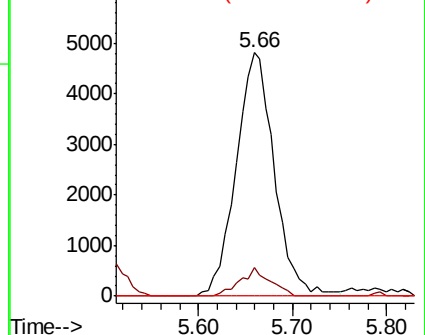
77 0.0 25.8 38.6#

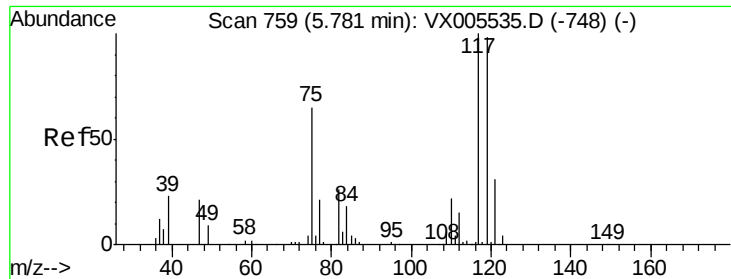


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.012 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBL01

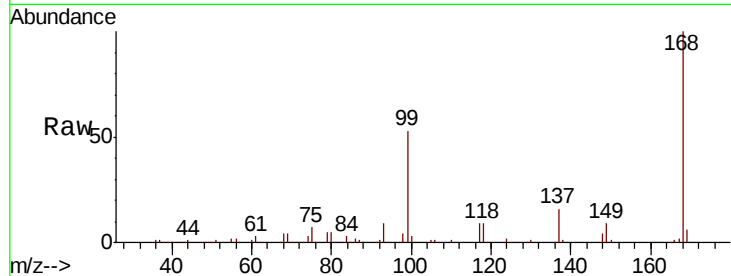
Tot Ion:117 Resp: 17431

Ion Ratio Lower Upper

117 100

119 5.6 78.1 117.1#

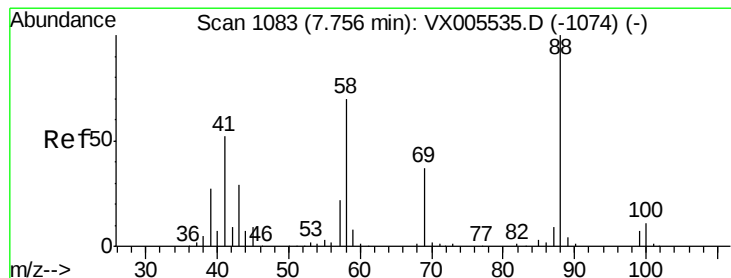
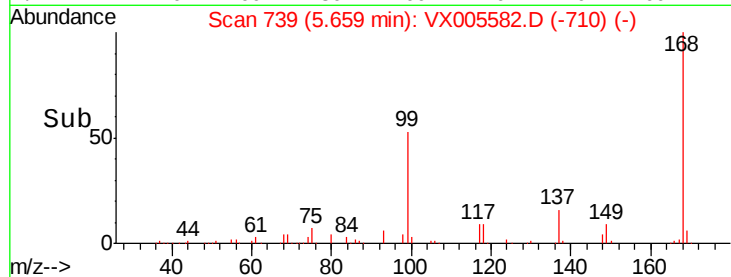
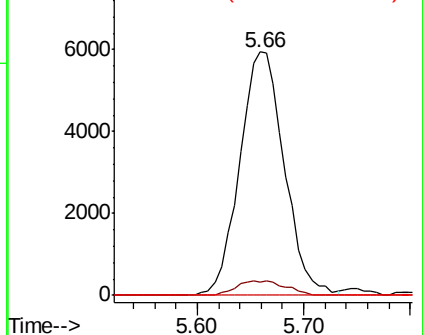
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.749 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

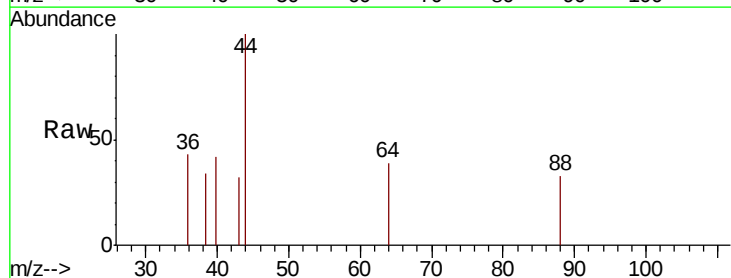
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

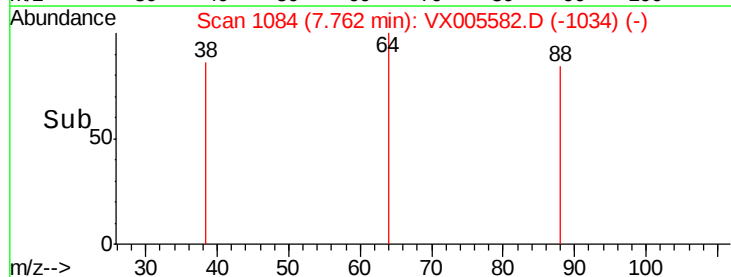
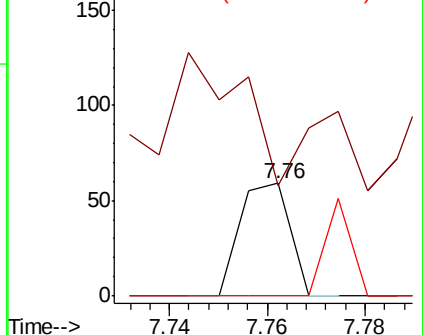
58 45.2 59.4 89.2#

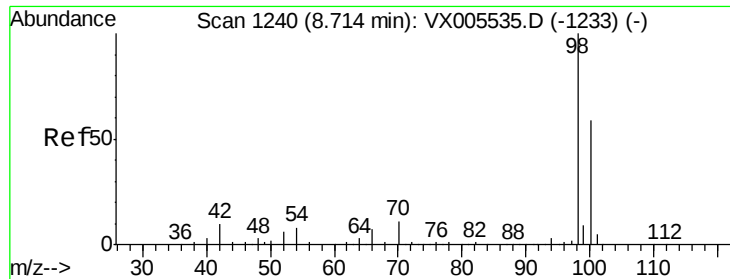


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

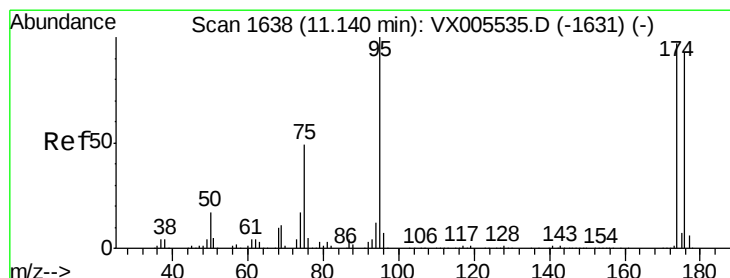
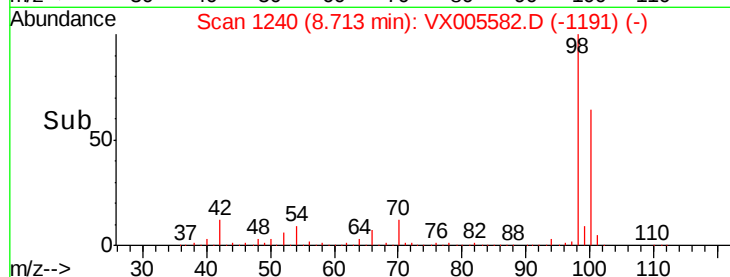
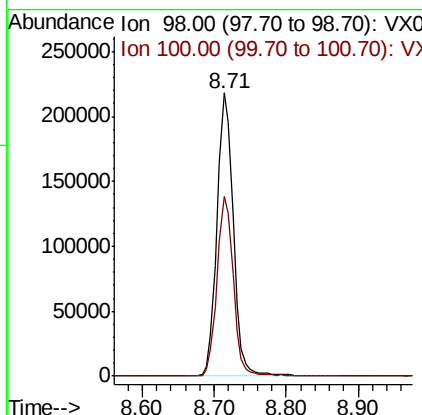
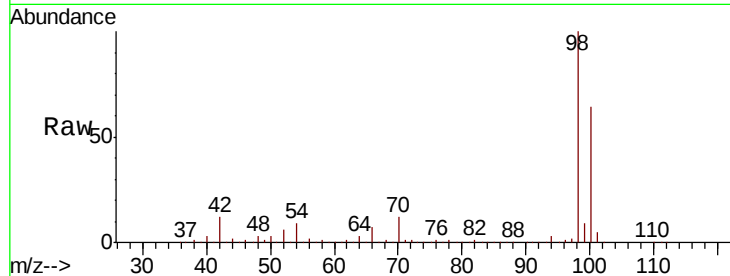




#50
Toluene-d8
Concen: 49.704 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

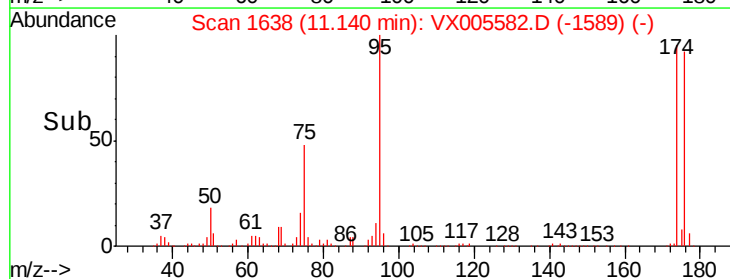
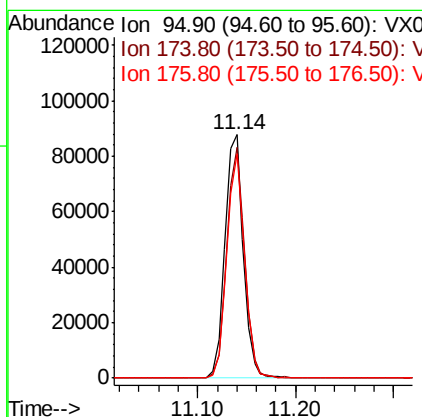
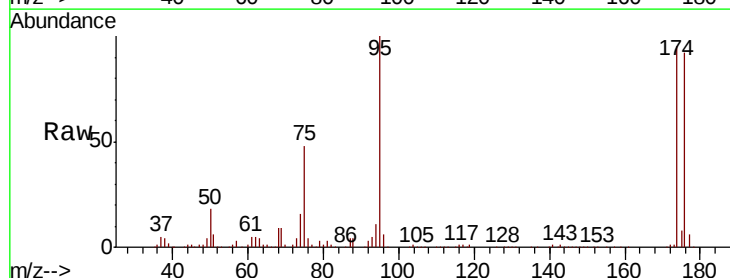
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

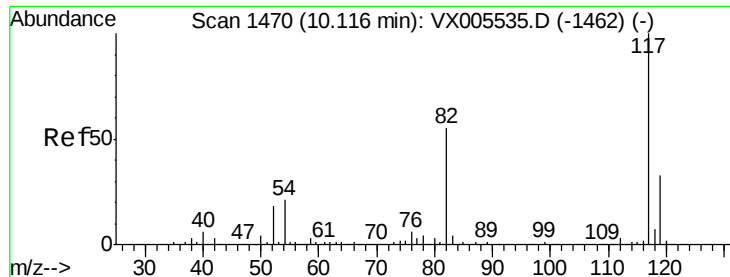
Tot Ion: 98 Resp: 343038
Ion Ratio Lower Upper
98 100
100 63.4 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 43.570 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Tgt Ion: 95 Resp: 113560
Ion Ratio Lower Upper
95 100
174 93.0 0.0 184.4
176 90.0 0.0 177.4

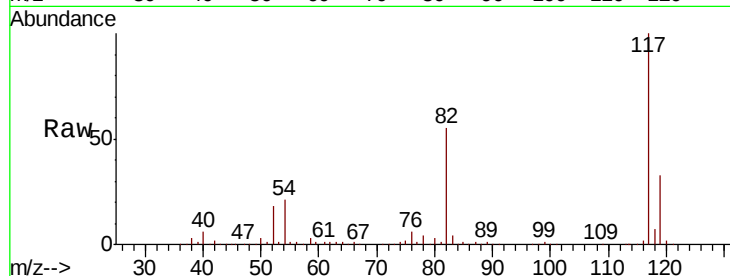




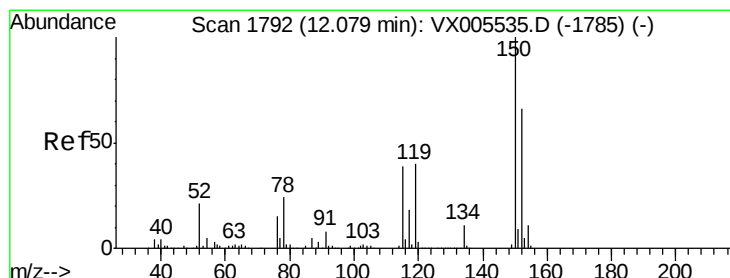
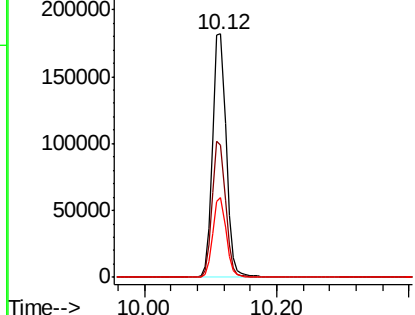
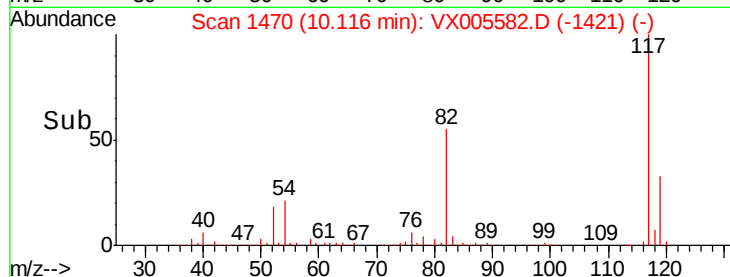
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

Tot Ion:117 Resp: 258134
Ion Ratio Lower Upper
117 100
82 54.5 44.1 66.1
119 32.8 26.2 39.2

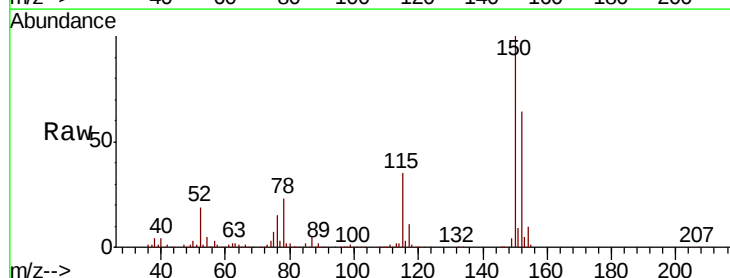


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

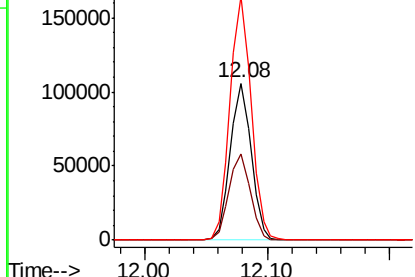
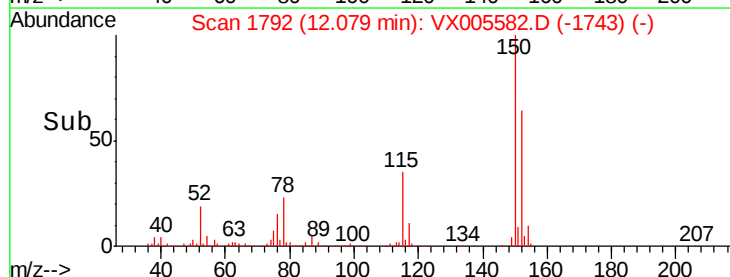


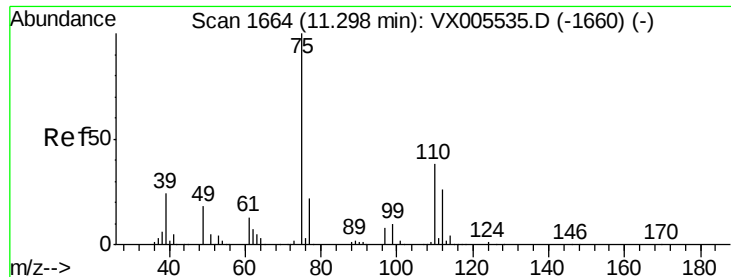
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005582.D
Acq: 25 Oct 2018 11:55

Tgt Ion:152 Resp: 125209
Ion Ratio Lower Upper
152 100
115 56.1 39.4 118.1
150 157.0 0.0 346.4



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: 21.619 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

Instrument :

MSVOA_X

ClientSampleId :

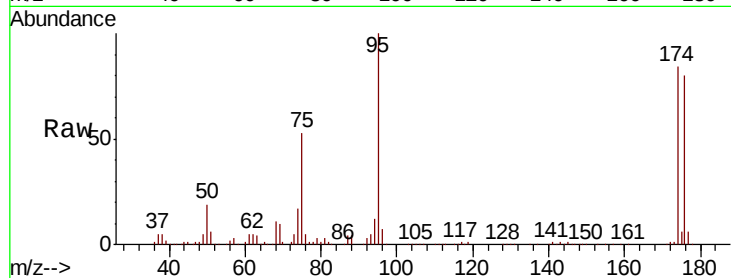
VX1025WBL01

Tot Ion: 75 Resp: 57352

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

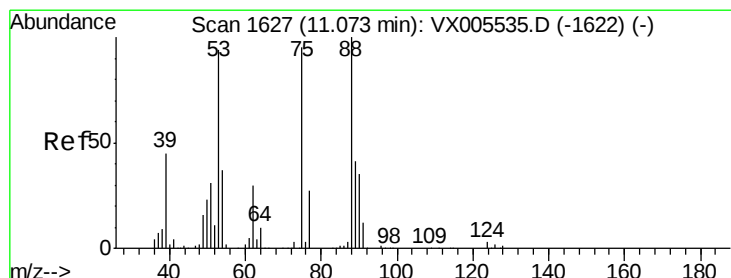
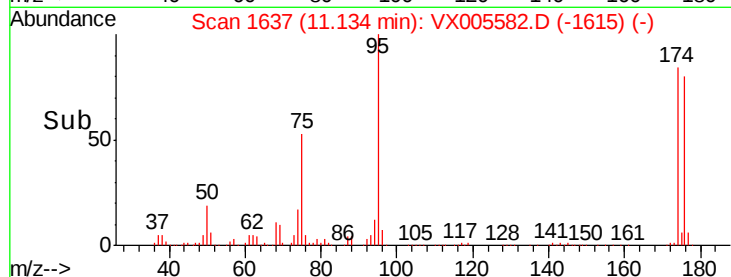
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 70.640 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005582.D

Acq: 25 Oct 2018 11:55

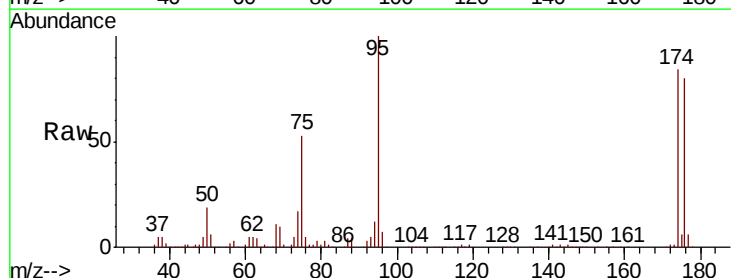
Tgt Ion: 75 Resp: 57352

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



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

60000

50000

40000

30000

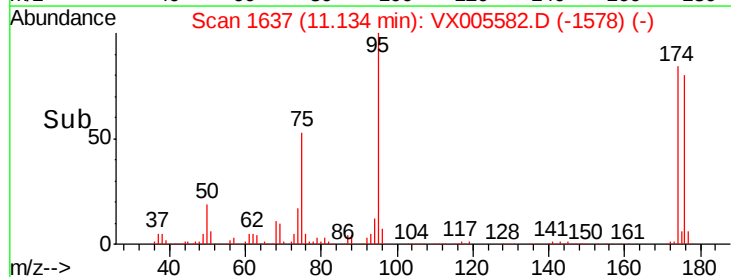
20000

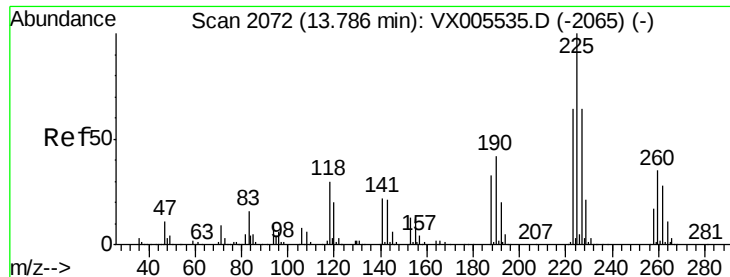
10000

0

Time-->

11.10 11.20





#94
 Hexachlorobutadiene
 Concen: 0.209 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005582.D
 Acq: 25 Oct 2018 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL01

Tot Ion	Ratio	Lower	Upper
225	100		
223	33.3	31.7	95.1
227	53.8	32.3	96.9

