

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
 Data File : VX005548.D
 Acq On : 24 Oct 2018 18:19
 Operator : JC/MD
 Sample : J5655-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0006

Quant Time: Oct 25 04:55:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132432	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	132749	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	5.51	113	106157	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	386712	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.14	95	123113	41.91	ug/l	0.00
Spiked Amount			Recovery	=	83.82%	

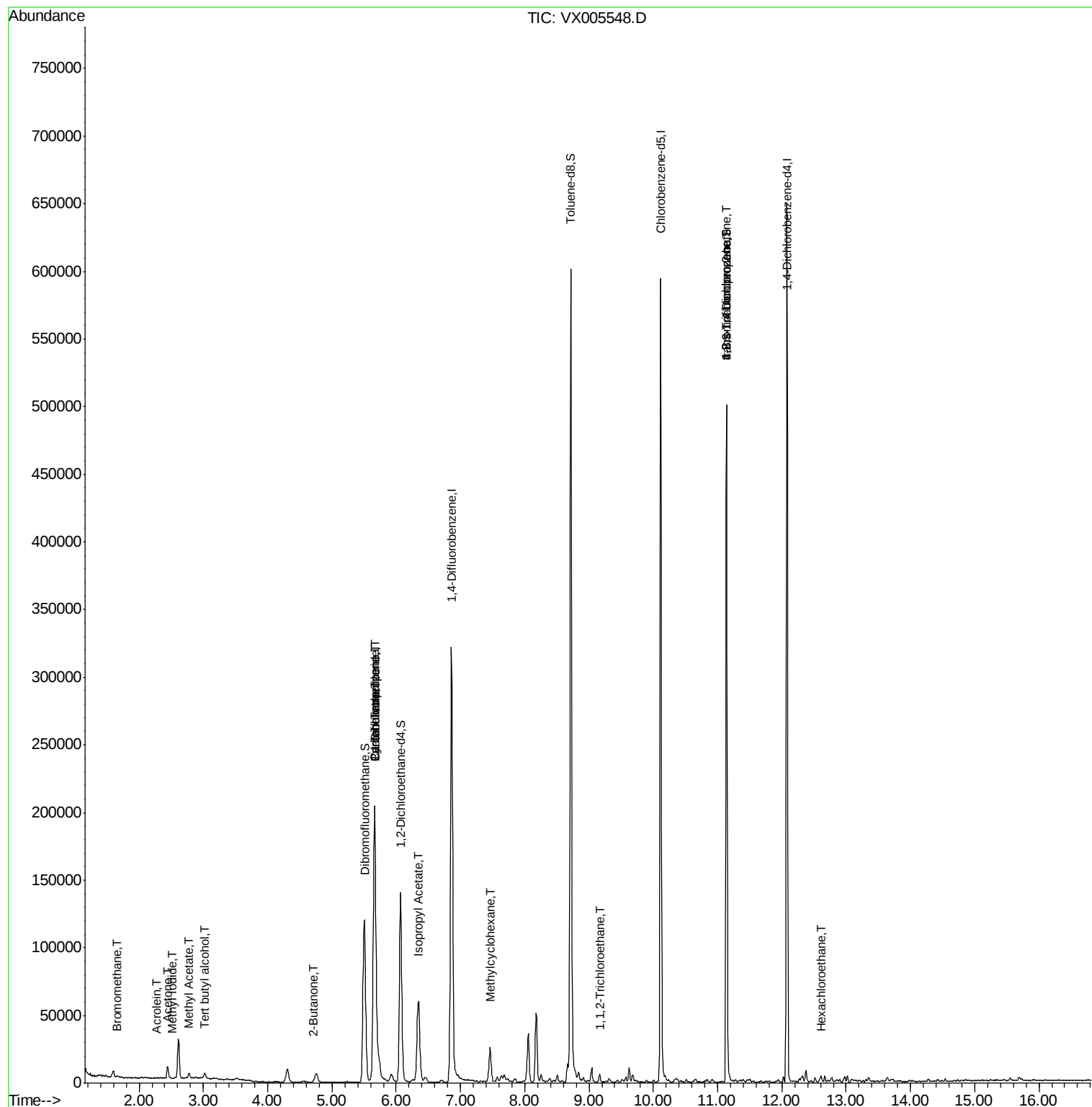
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	445	0.278	ug/l	91
10) Methyl Iodide	2.51	142	23	2.735	ug/l #	41
11) Tert butyl alcohol	3.02	59	3224	4.718	ug/l	96
13) Acrolein	2.28	56	188	0.539	ug/l #	66
16) Acetone	2.44	43	9985	7.442	ug/l	94
18) Methyl Acetate	2.78	43	5623	0.242	ug/l	91
25) 2-Butanone	4.71	43	1481	0.725	ug/l	99
31) Cyclohexane	5.66	56	4466	1.305	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14238	4.589	ug/l #	41
38) Carbon Tetrachloride	5.66	117	19830	6.068	ug/l #	16
39) Methylcyclohexane	7.46	83	9905	2.891	ug/l #	86
43) Isopropyl Acetate	6.34	43	15508	2.614	ug/l #	59
55) 1,1,2-Trichloroethane	9.16	97	1922	0.843	ug/l #	20
76) 1,2,3-Trichloropropane	11.14	75	61787	22.906	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	61787	71.952	ug/l #	10
90) Hexachloroethane	12.61	117	307	0.242	ug/l #	3

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

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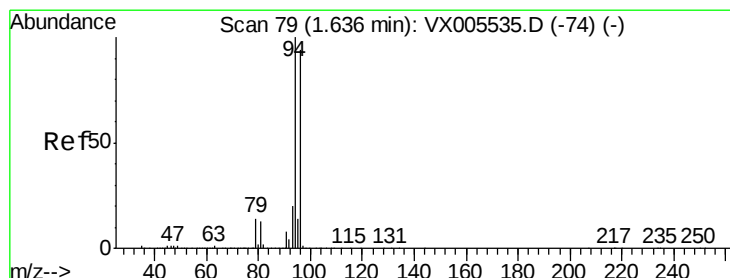
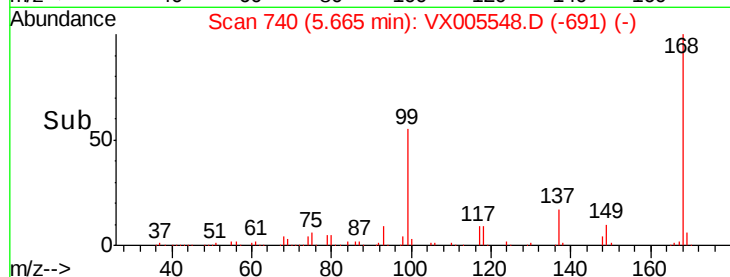
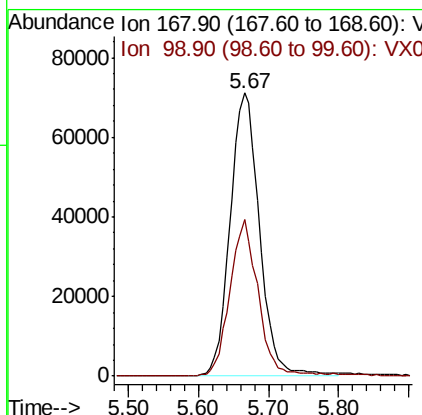
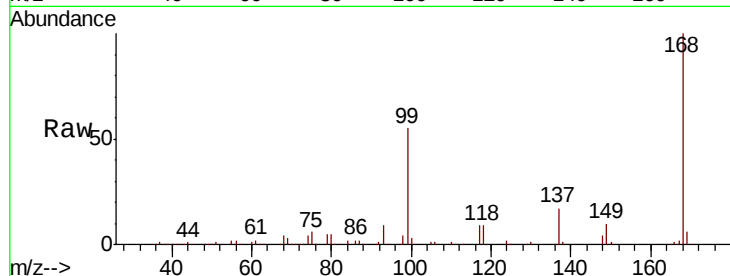




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

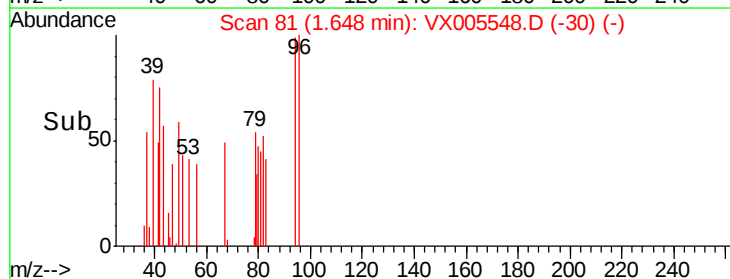
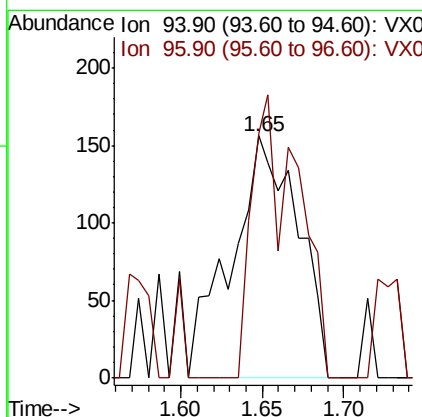
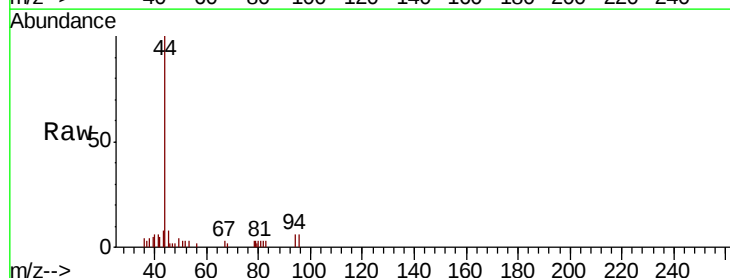
Instrument :
MSVOA_X
ClientSampleId :
S37-0006

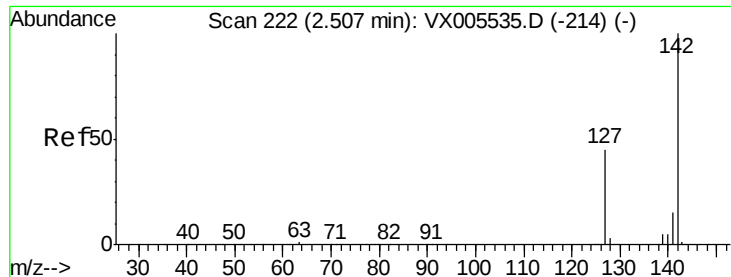
Tot Ion:168 Resp: 208007
Ion Ratio Lower Upper
168 100
99 55.3 39.9 59.9



#5
Bromomethane
Concen: 0.278 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 101.3 74.5 111.7

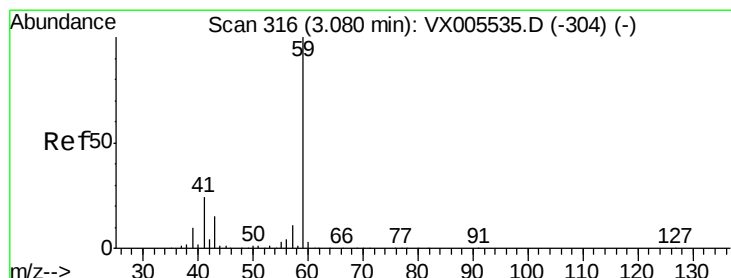
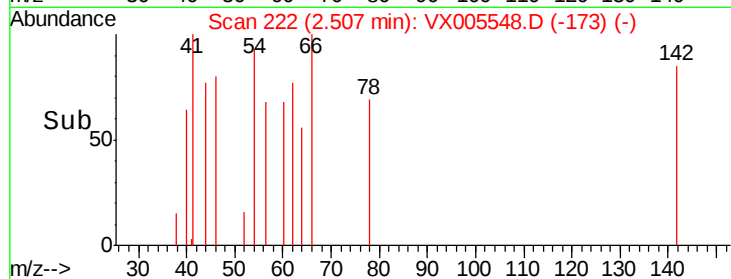
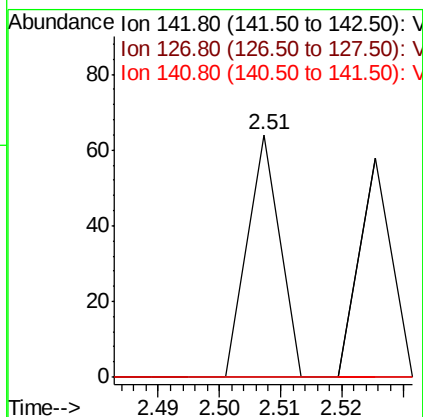
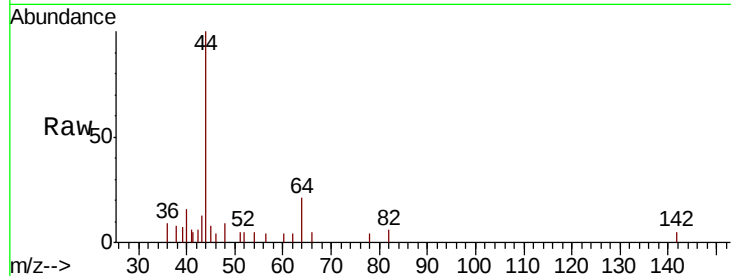




#10
Methvl Iodide
Concen: 2.735 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

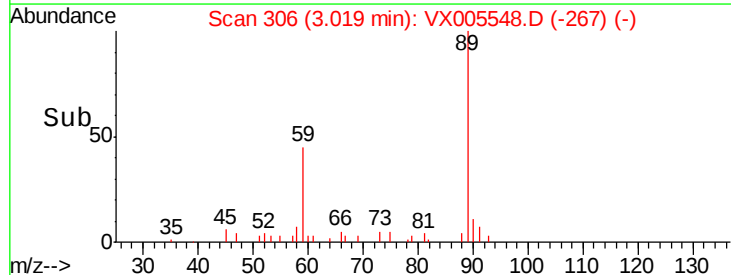
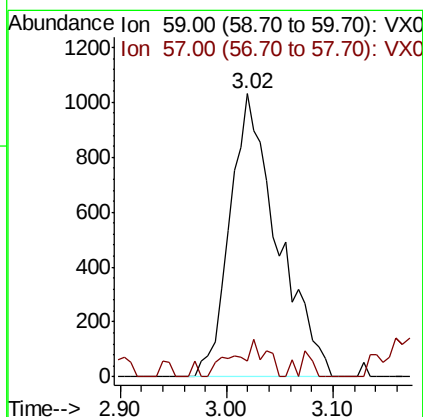
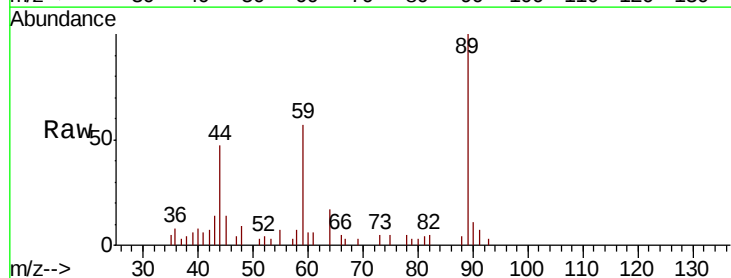
Instrument :
MSVOA_X
ClientSampleId :
S37-0006

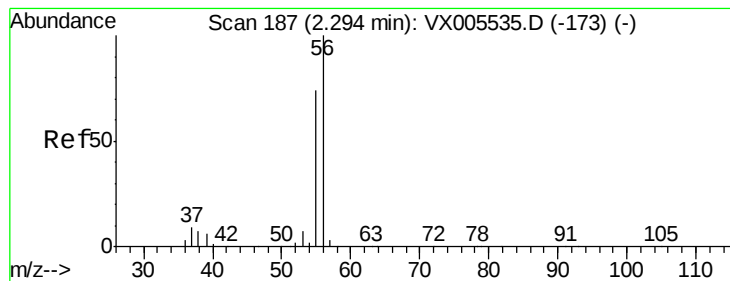
Tot Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 4.718 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion: 59 Resp: 3224
Ion Ratio Lower Upper
59 100
57 8.8 8.2 12.4





#13

Acrolein

Concen: 0.539 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

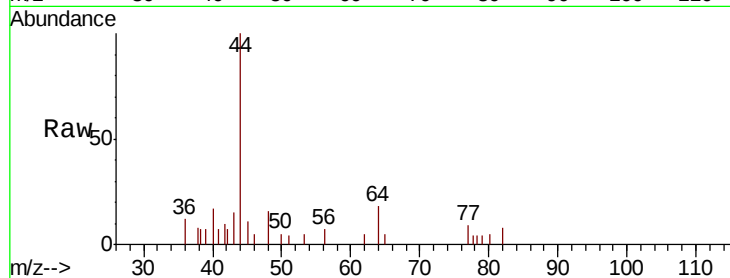
S37-0006

Tot Ion: 56 Resp: 188

Ion Ratio Lower Upper

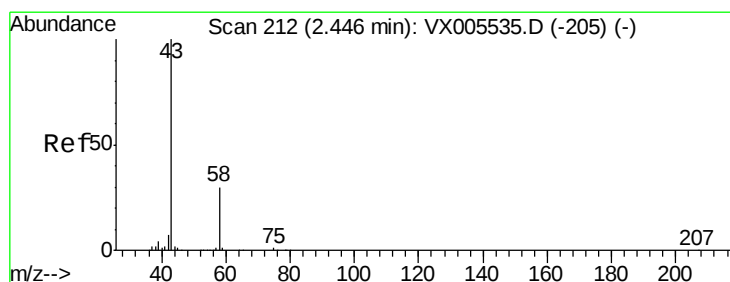
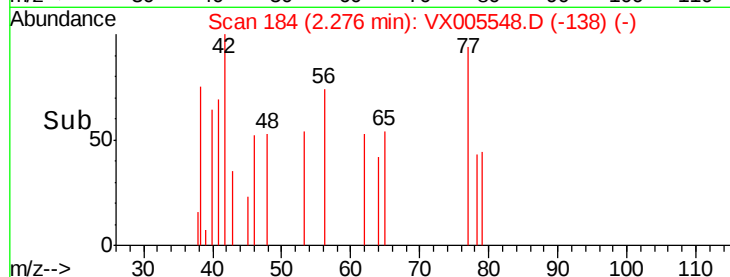
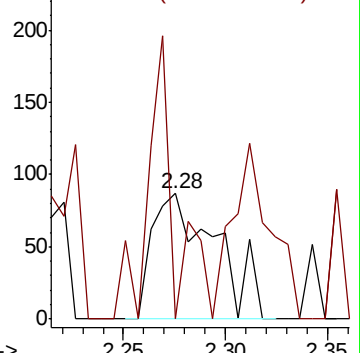
56 100

55 95.7 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 7.442 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005548.D

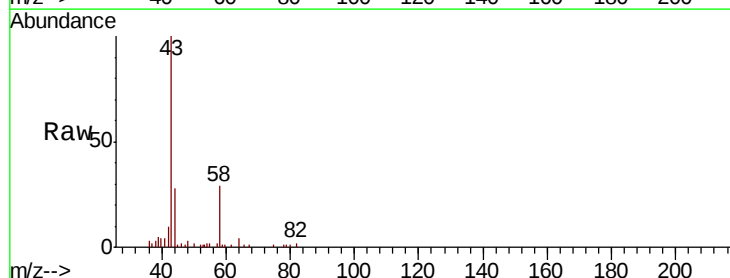
Acq: 24 Oct 2018 18:19

Tgt Ion: 43 Resp: 9985

Ion Ratio Lower Upper

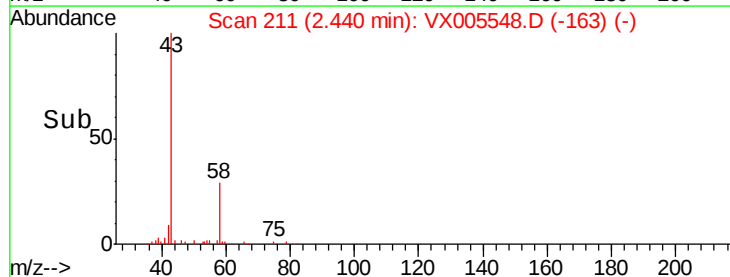
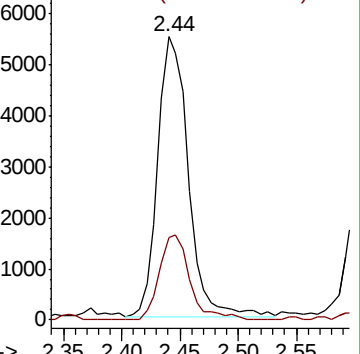
43 100

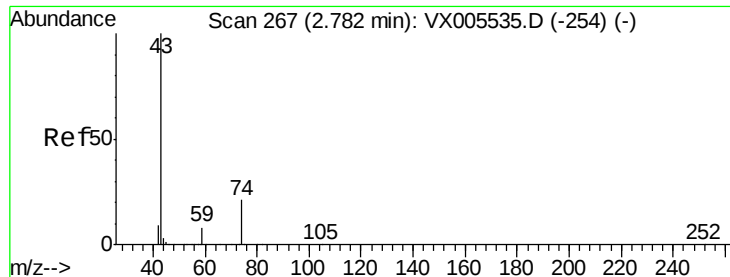
58 29.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

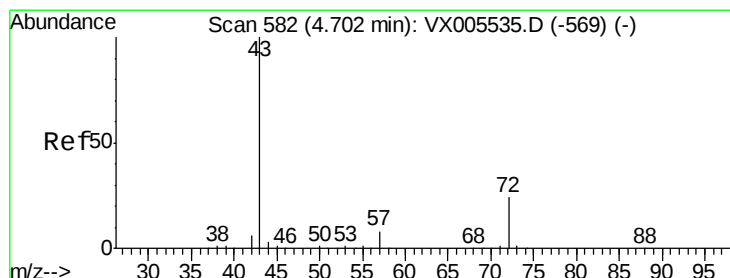
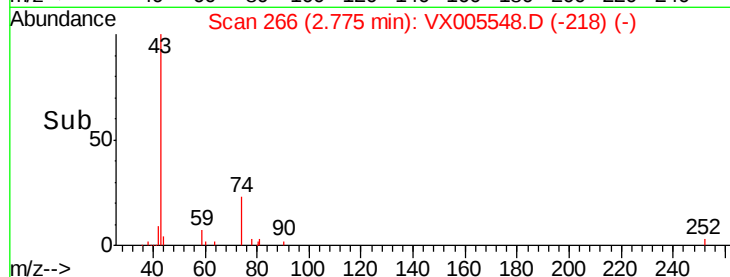
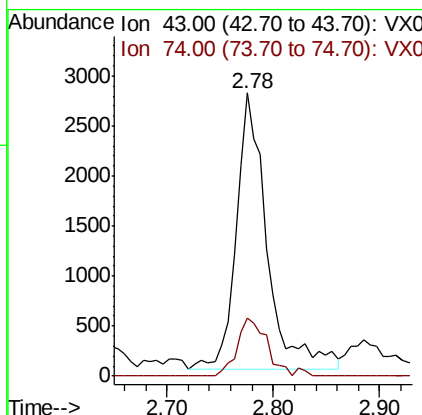
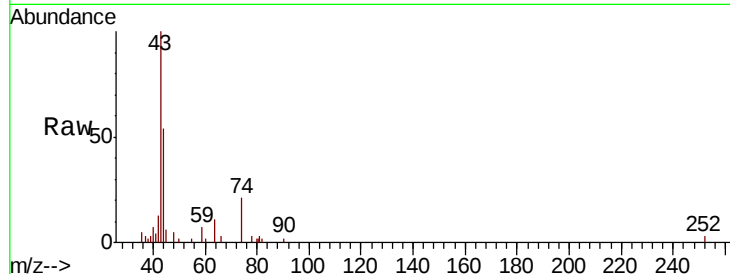




#18
Methvl Acetate
Concen: 0.242 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

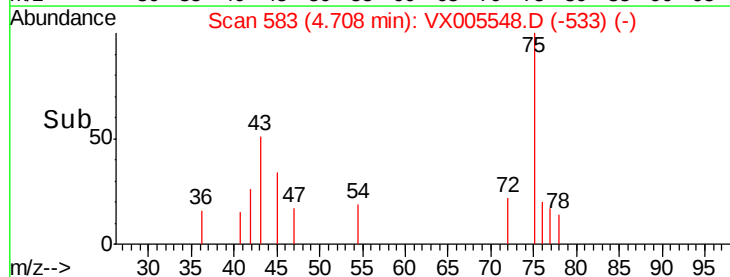
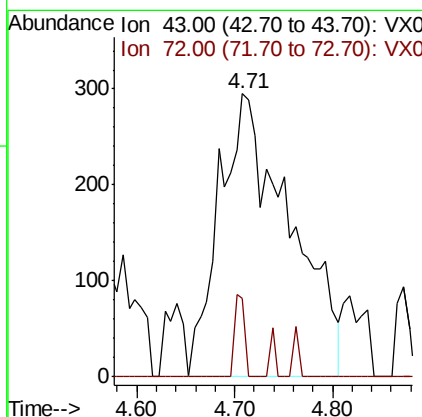
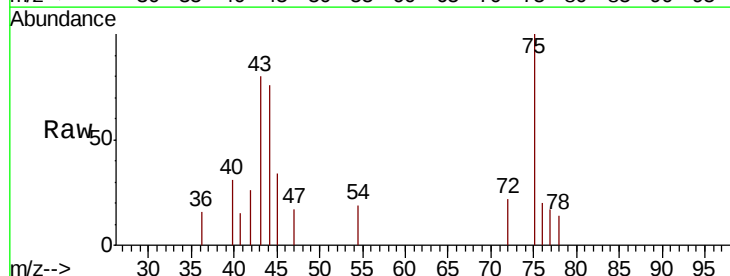
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ClientSampleId :
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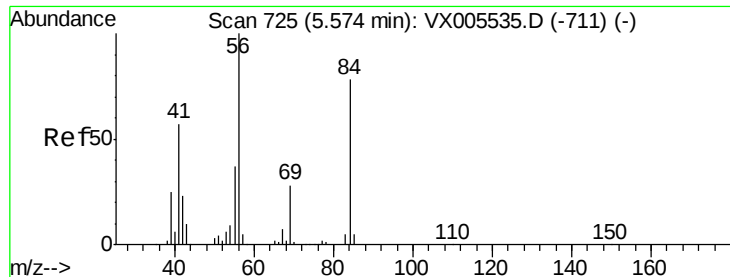
Tot Ion: 43 Resp: 5623
Ion Ratio Lower Upper
43 100
74 20.0 19.4 29.2



#25
2-Butanone
Concen: 0.725 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
72 27.8 22.0 33.0

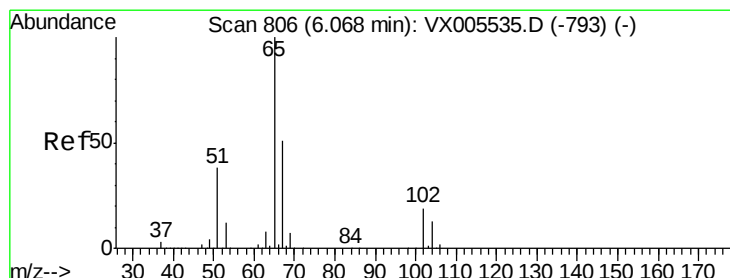
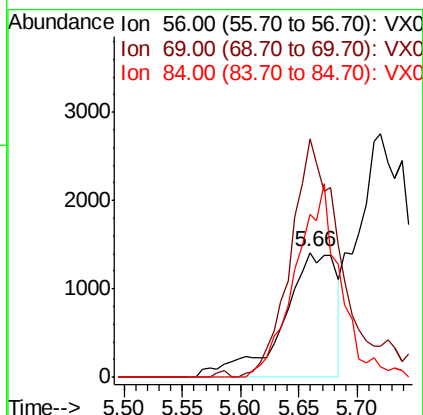
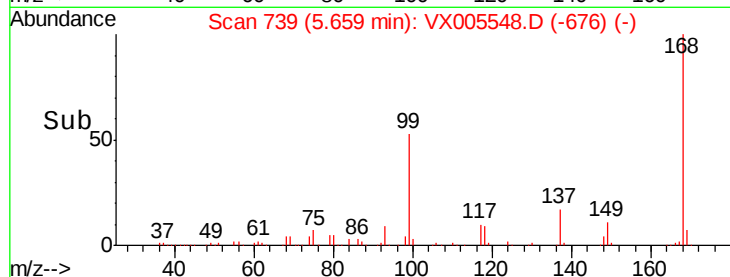
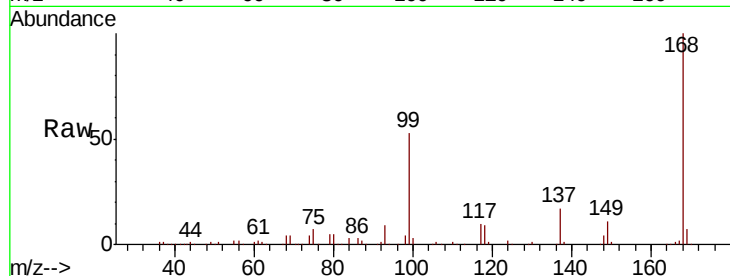




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

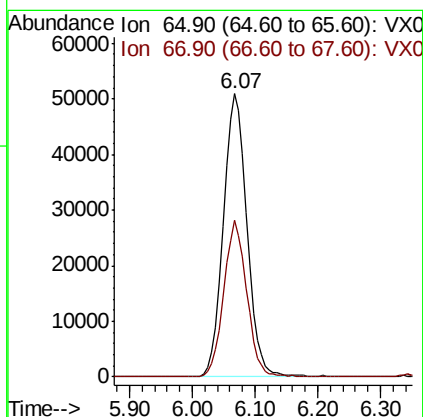
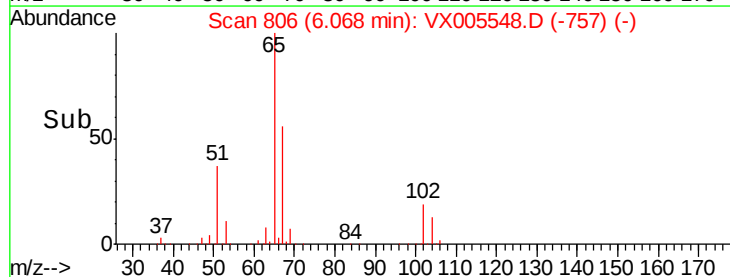
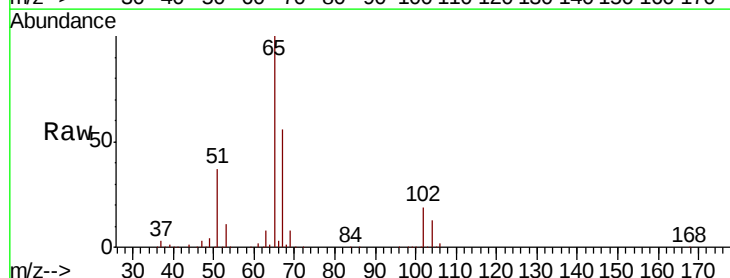
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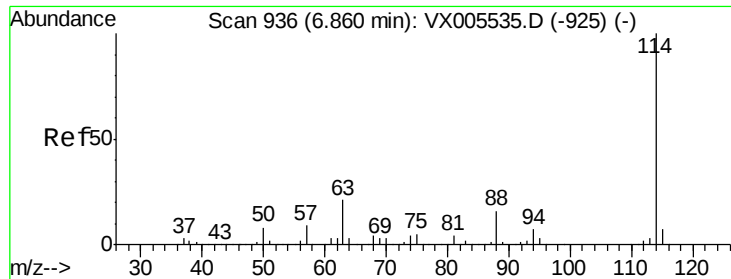
Tot Ion: 56 Resp: 4466
Ion Ratio Lower Upper
56 100
69 190.7 25.4 38.2#
84 130.7 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 52.281 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion: 65 Resp: 132749
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

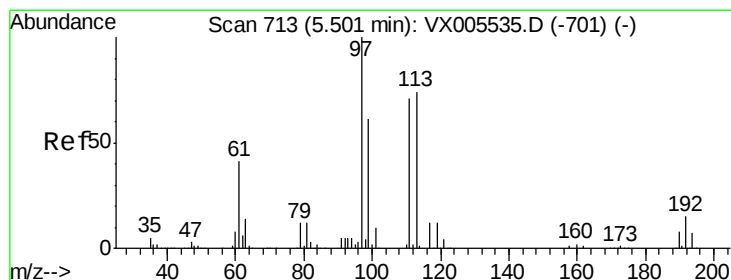
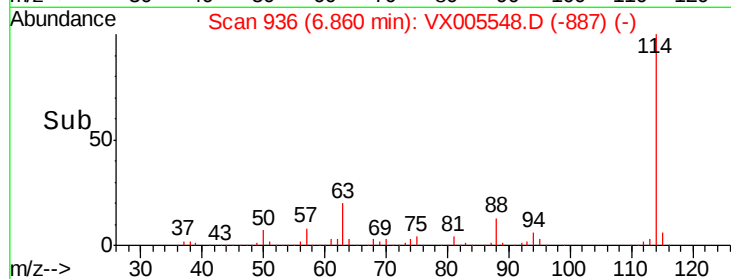
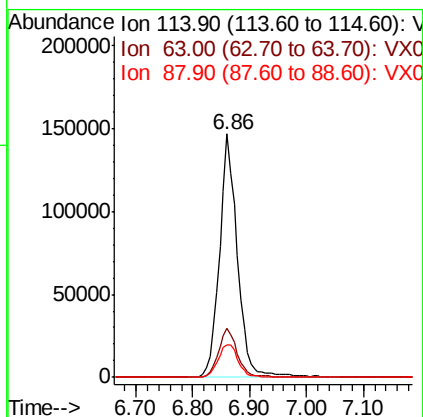
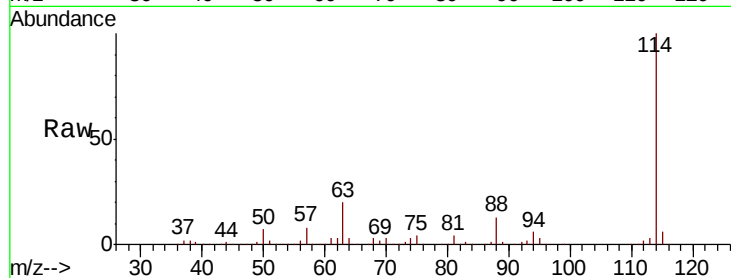




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

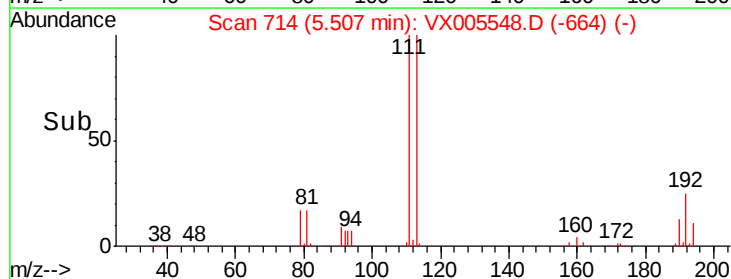
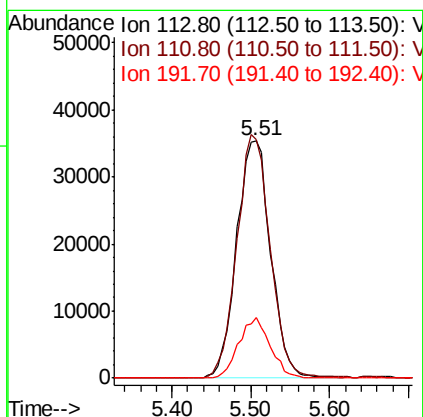
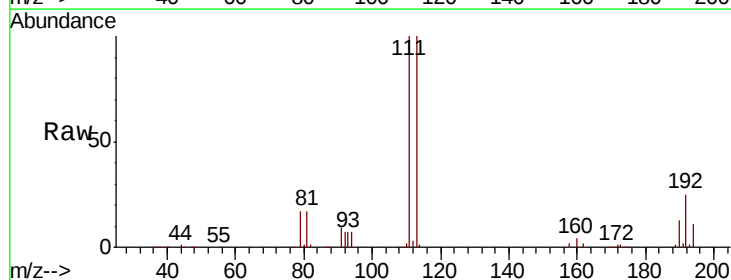
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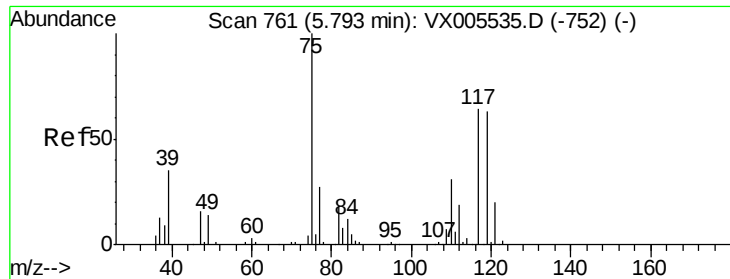
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	13.3	0.0	30.4



#35
Dibromofluoromethane
Concen: 49.034 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.4	123.6
192	23.5	19.4	29.2





#36

1,1-Dichloropropene

Concen: 4.589 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

S37-0006

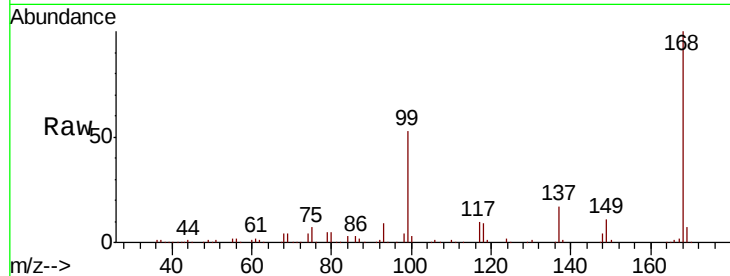
Tot Ion: 75 Resp: 14238

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

77 0.2 24.6 36.8#



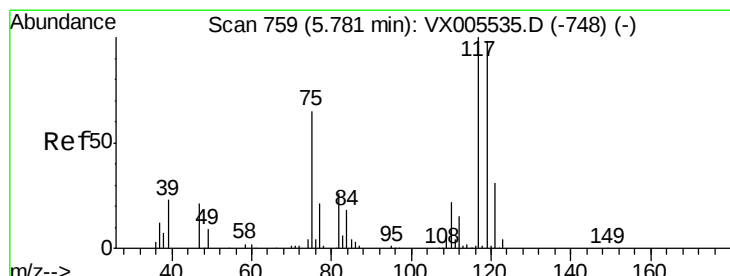
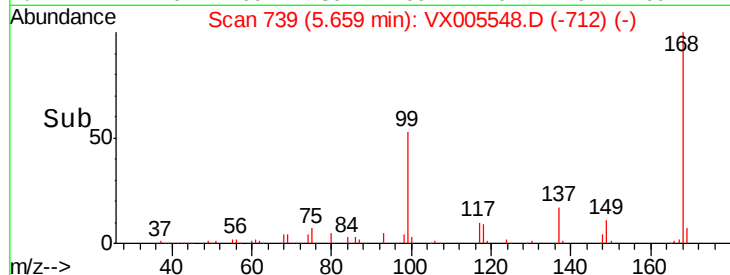
Abundance Ion 74.90 (74.60 to 75.60): VX005535.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX005535.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX005535.D (-752) (-)

5.66

Time-->



#38

Carbon Tetrachloride

Concen: 6.068 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

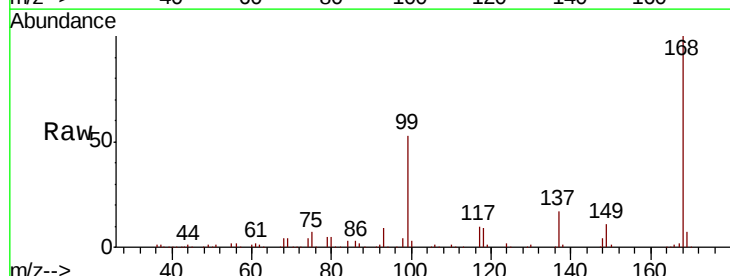
Tgt Ion: 117 Resp: 19830

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

121 0.0 24.9 37.3#



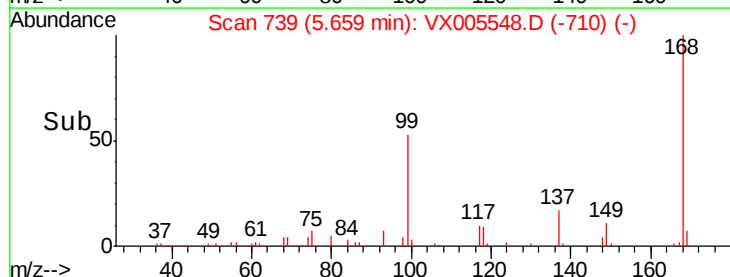
Abundance Ion 116.80 (116.50 to 117.50): VX005535.D (-748) (-)

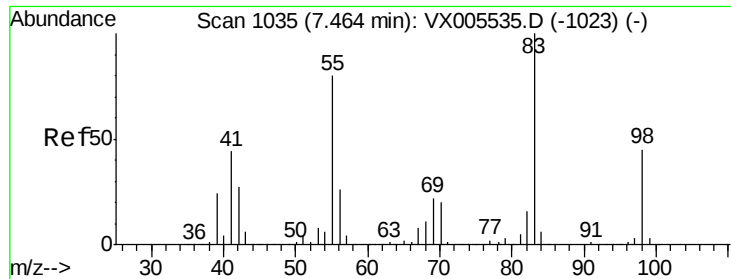
Ion 118.80 (118.50 to 119.50): VX005535.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005535.D (-748) (-)

5.66

Time-->

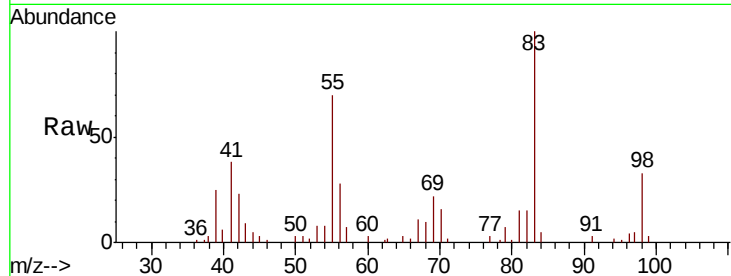




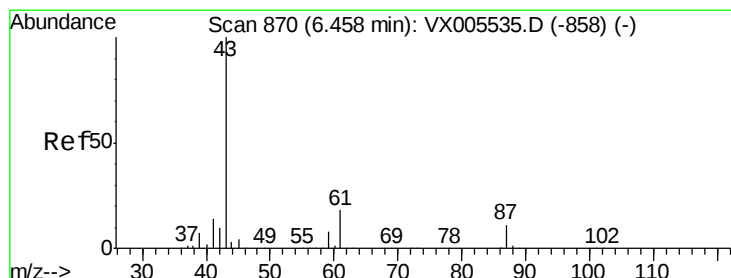
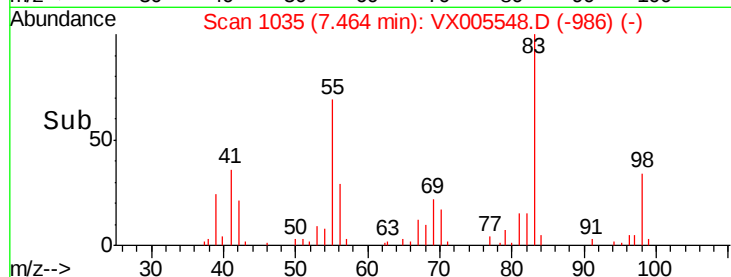
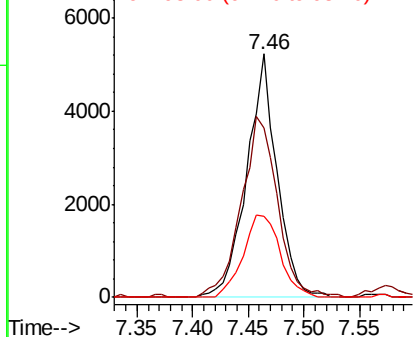
#39
Methvlcvclohexane
Concen: 2.891 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Instrument :
MSVOA_X
ClientSampleId :
S37-0006

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	61.0	91.4
98	33.1	39.6	59.4#

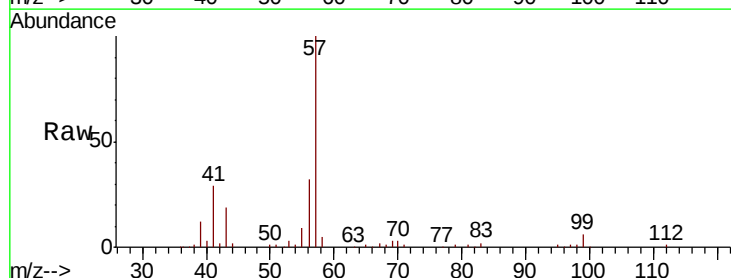


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

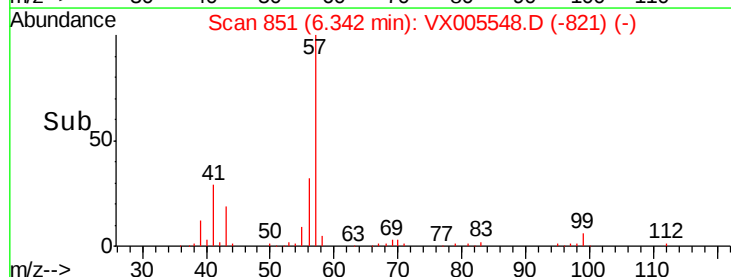
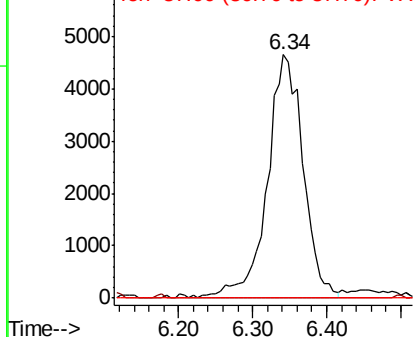


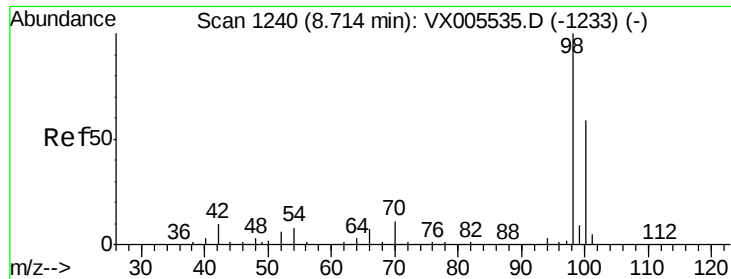
#43
Isopropyl Acetate
Concen: 2.614 ug/l
RT: 6.34 min Scan# 851
Delta R.T. -0.12 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.0	25.4#
87	0.0	11.4	17.2#



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: 49.711 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

Instrument :

MSVOA_X

ClientSampled :

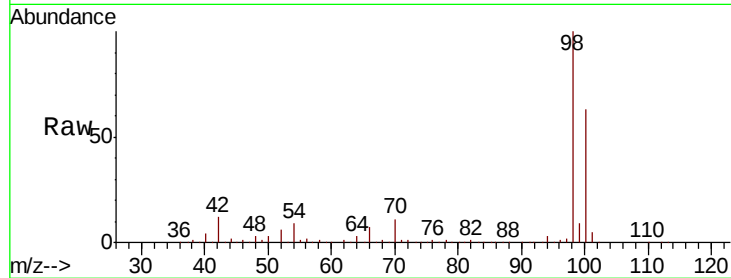
S37-0006

Tot Ion: 98 Resp: 386712

Ion Ratio Lower Upper

98 100

100 62.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

100000

50000

0

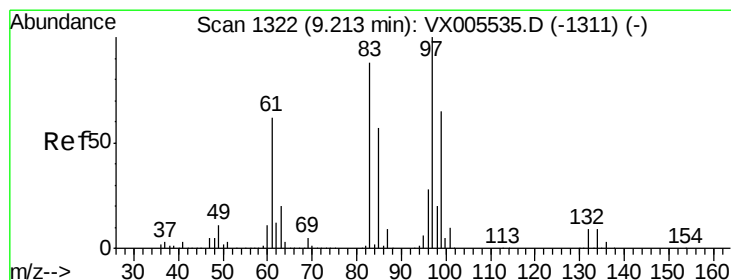
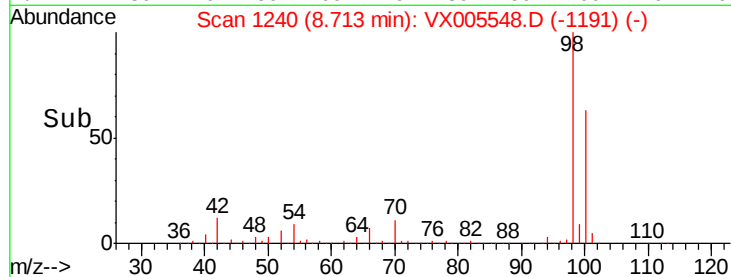
8.60

8.71

8.80

9.00

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.843 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

Tgt Ion: 97 Resp: 1922

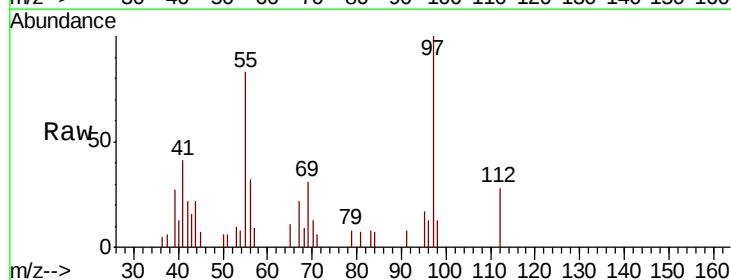
Ion Ratio Lower Upper

97 100

83 7.7 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

1500

1000

500

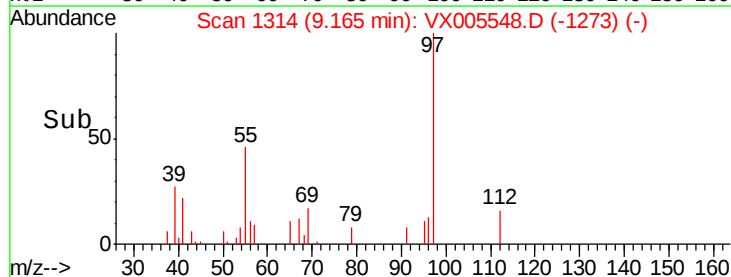
0

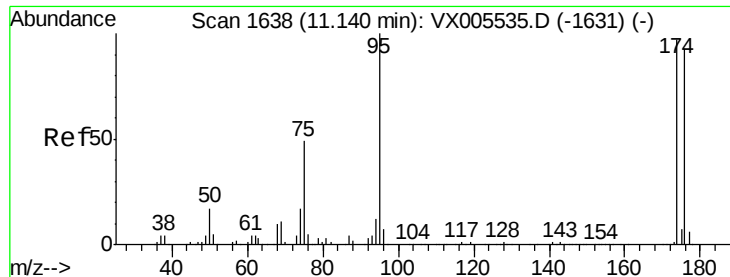
9.10

9.16

9.20

Time-->

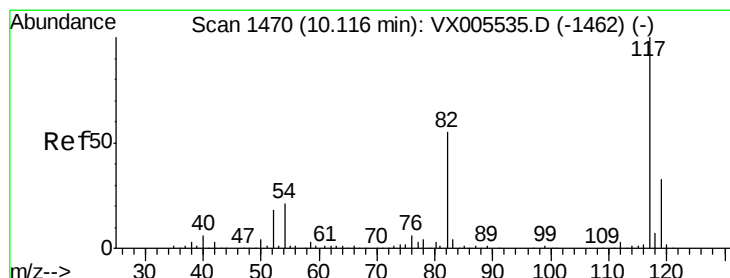
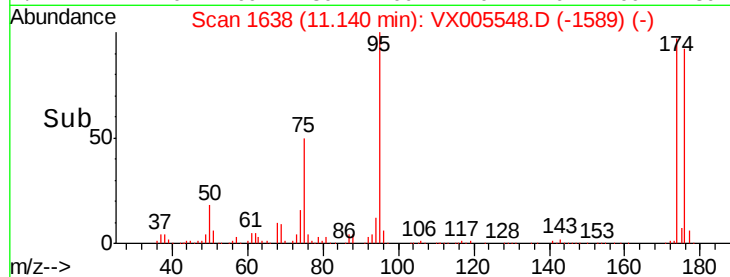
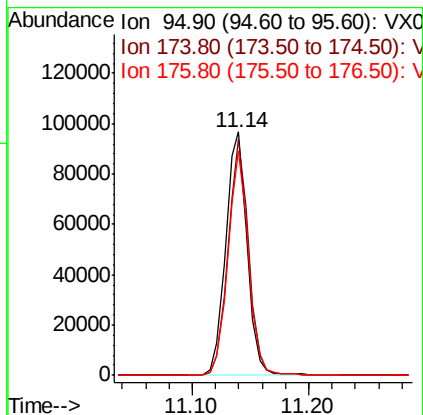
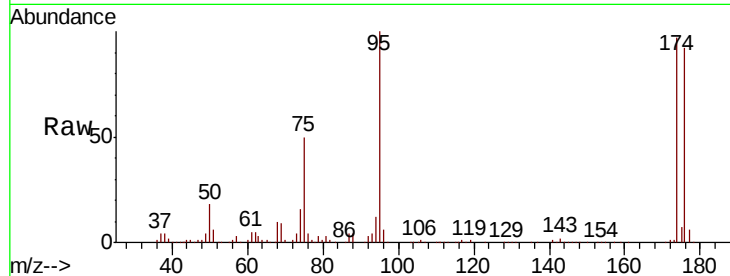




#62
4-Bromofluorobenzene
Concen: 41.906 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

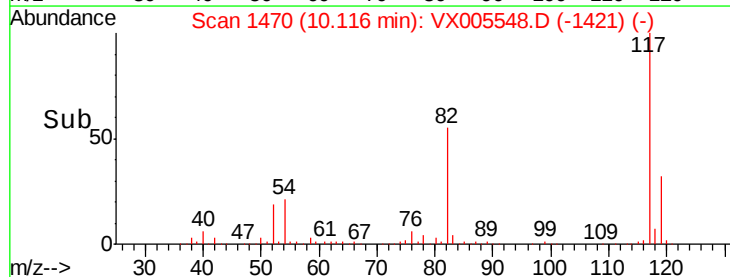
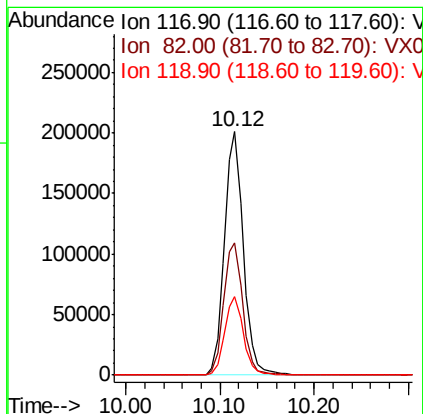
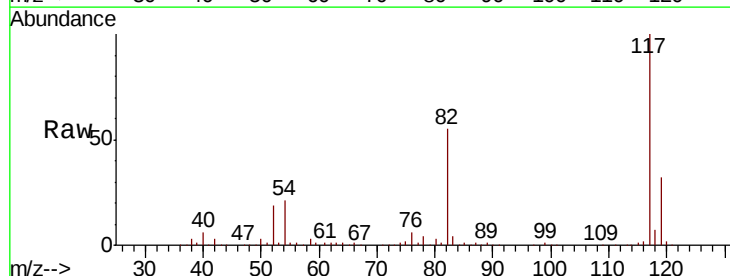
Instrument :
MSVOA_X
ClientSampleId :
S37-0006

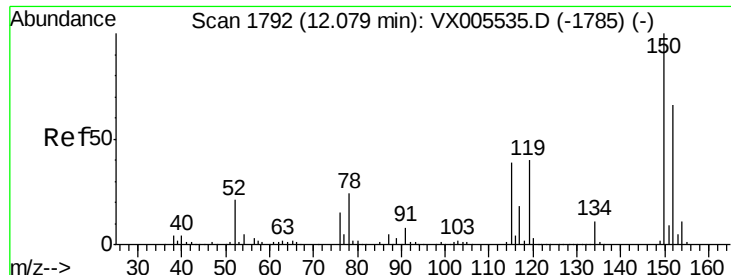
Tot Ion: 95 Resp: 123113
Ion Ratio Lower Upper
95 100
174 93.4 0.0 185.2
176 88.8 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005548.D
Acq: 24 Oct 2018 18:19

Tgt Ion: 117 Resp: 280253
Ion Ratio Lower Upper
117 100
82 54.6 47.8 71.6
119 32.5 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

S37-0006

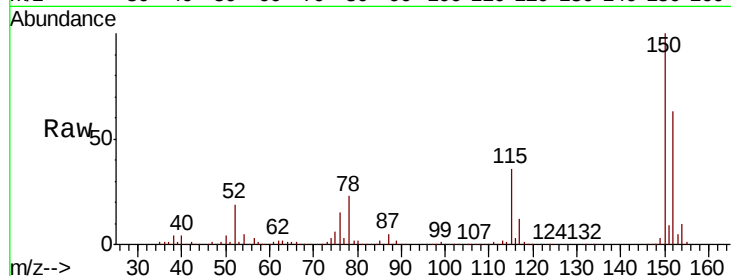
Tot Ion:152 Resp: 132432

Ion Ratio Lower Upper

152 100

115 55.4 39.0 117.0

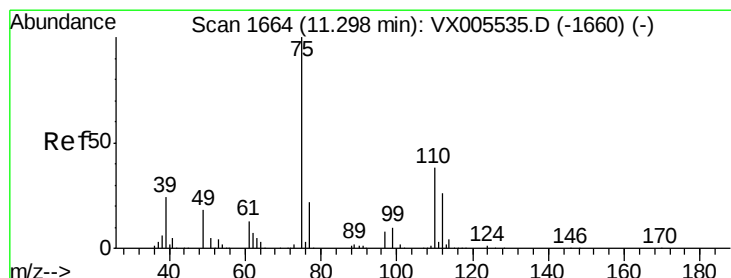
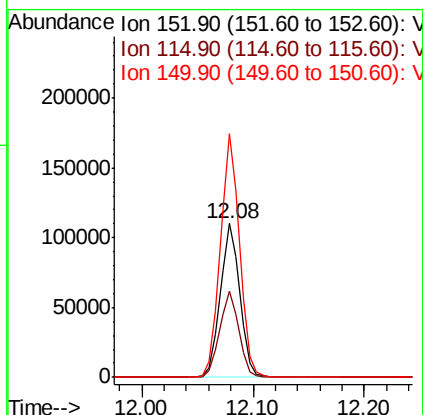
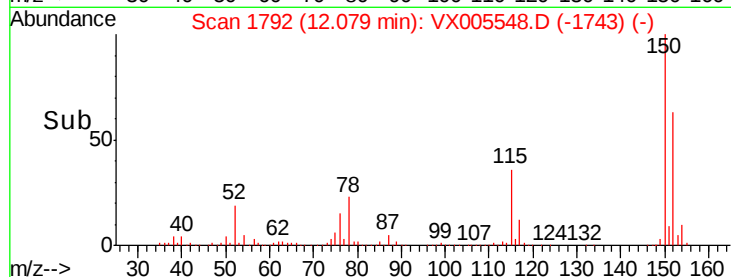
150 156.5 0.0 351.0



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: 22.906 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005548.D

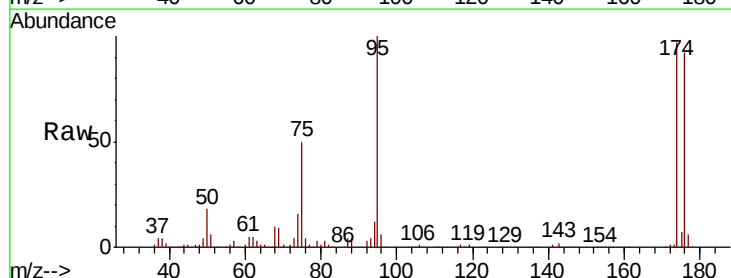
Acq: 24 Oct 2018 18:19

Tgt Ion: 75 Resp: 61787

Ion Ratio Lower Upper

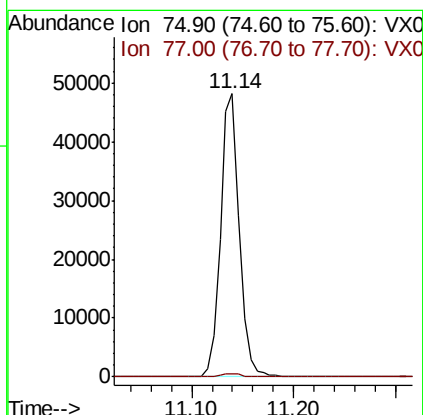
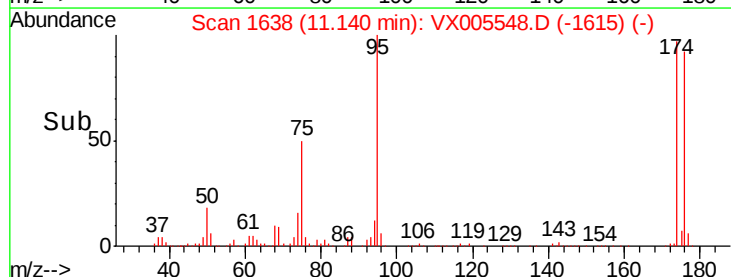
75 100

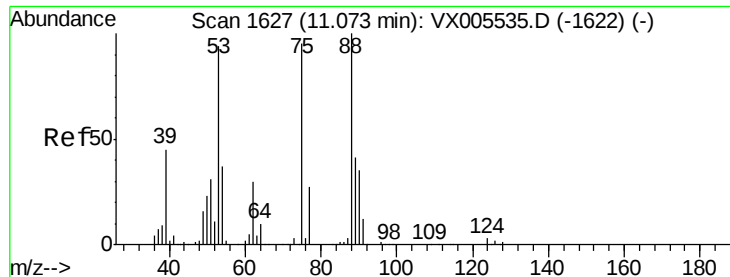
77 1.4 20.2 60.6#



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: 71.952 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005548.D

Acq: 24 Oct 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

S37-0006

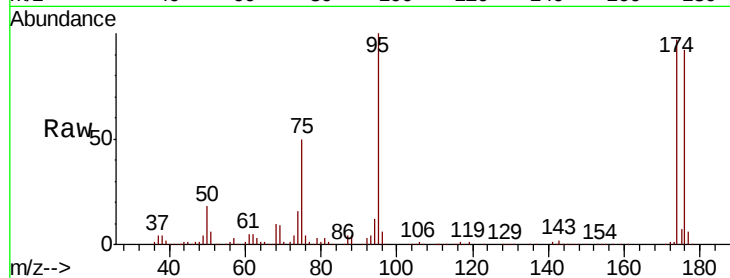
Tot Ion: 75 Resp: 61787

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

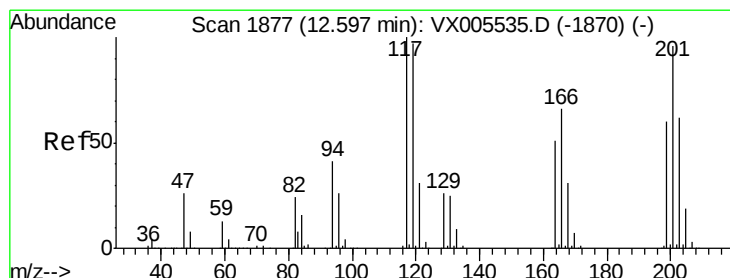
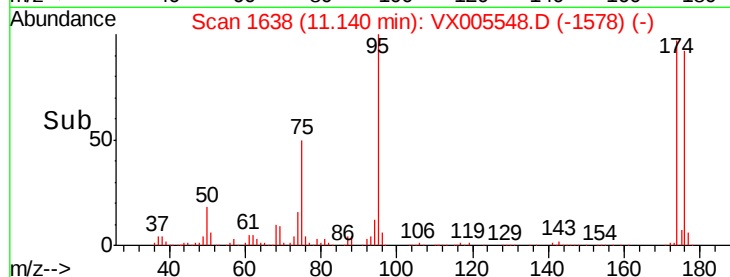
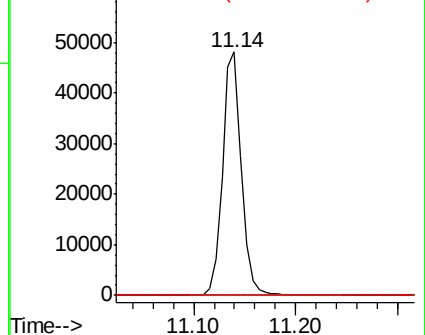
89 0.0 37.2 55.8#



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



#90

Hexachloroethane

Concen: 0.242 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX005548.D

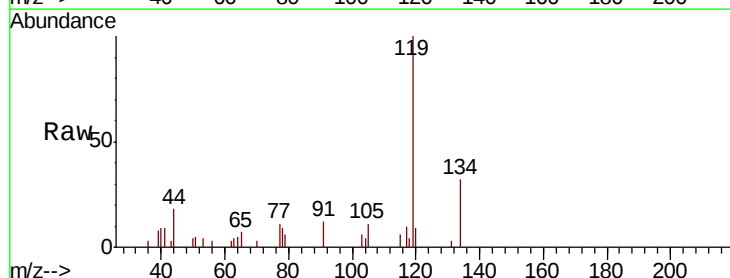
Acq: 24 Oct 2018 18:19

Tgt Ion: 117 Resp: 307

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

