

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015178.D
 Acq On : 10 Mar 2020 17:57
 Operator : JC/SP
 Sample : L1842-25DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:31:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	306337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	498367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	534141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	271622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	179525	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	152992	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	641788	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	11.14	95	242321	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	

Target Compounds

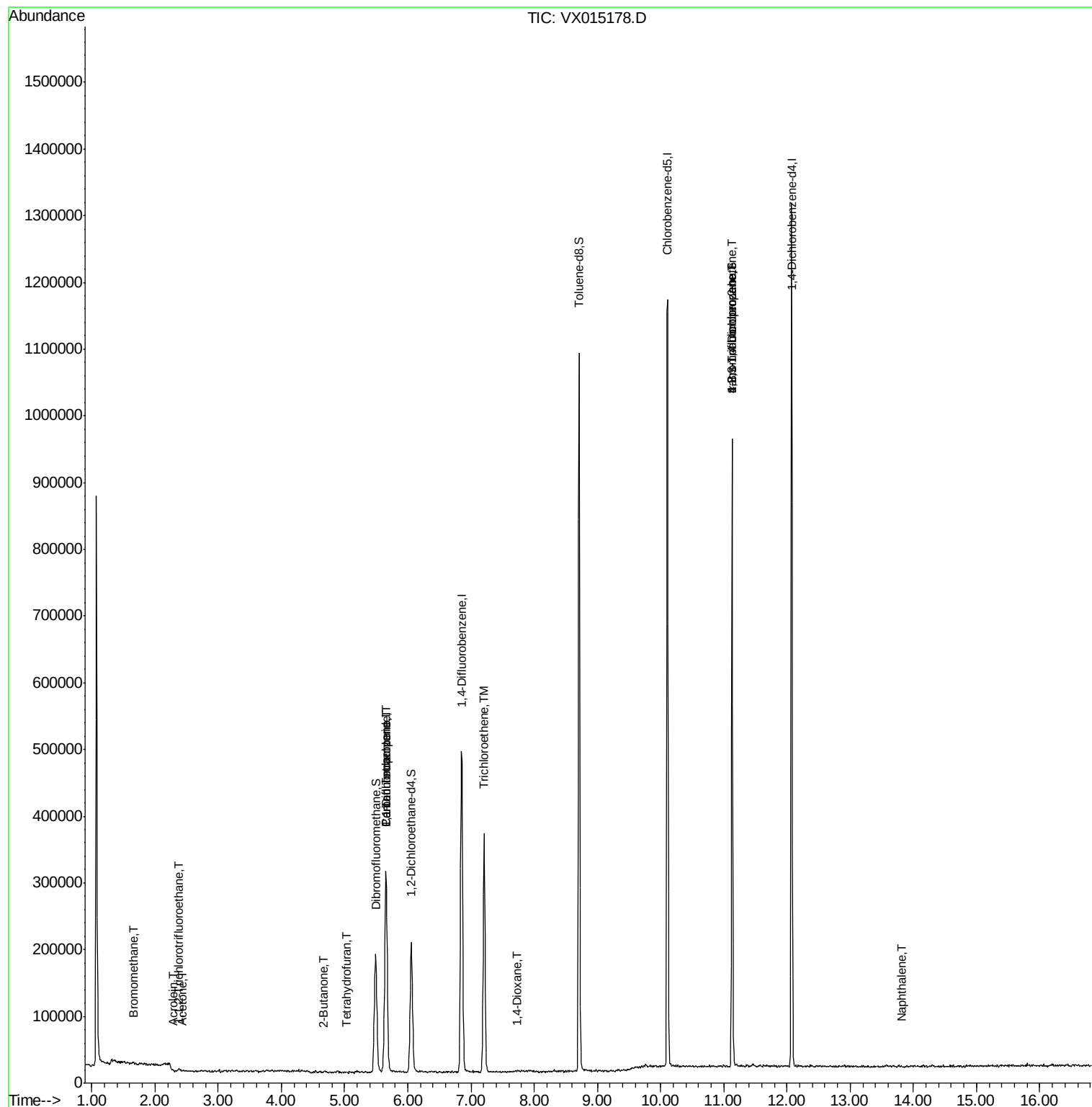
					Qvalue	
5) Bromomethane	1.66	94	866	0.366	ug/l #	39
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1786	0.619	ug/l #	89
13) Acrolein	2.29	56	198	0.334	ug/l #	1
16) Acetone	2.43	43	345	0.234	ug/l #	61
25) 2-Butanone	4.66	43	513	0.238	ug/l #	81
29) Tetrahydrofuran	5.03	42	644	0.464	ug/l	92
36) 1,1-Dichloropropene	5.65	75	20286	4.403	ug/l #	53
38) Carbon Tetrachloride	5.65	117	26228	6.031	ug/l #	19
44) Trichloroethene	7.21	130	141456	37.160	ug/l	95
49) 1,4-Dioxane	7.73	88	226	2.732	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	119757	22.103	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	119757	62.730	ug/l #	11
95) Naphthalene	13.82	128	843	1.465	ug/l #	83

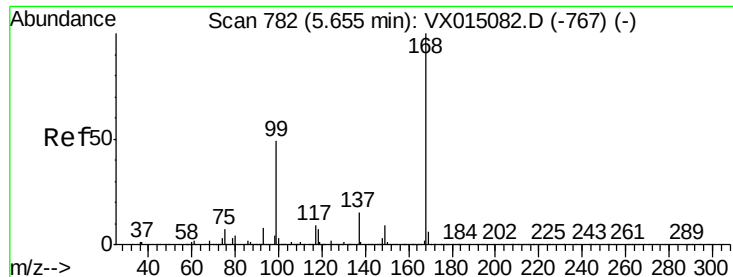
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
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QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

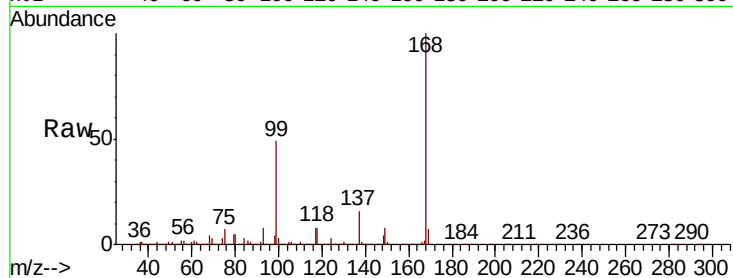
ClientSampleId :

Tot Ion:168 Resp: 306337

Ion Ratio Lower Upper

168 100

99 49.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

60000

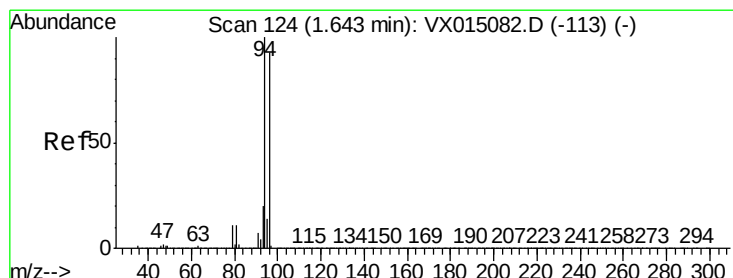
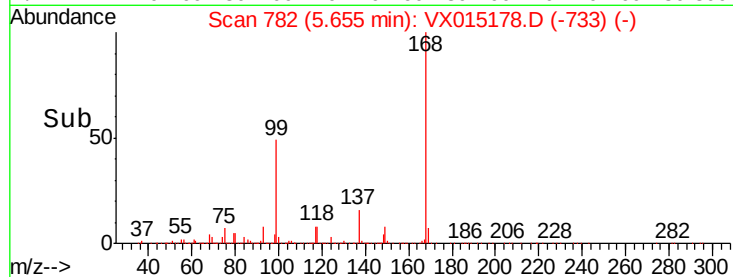
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015178.D

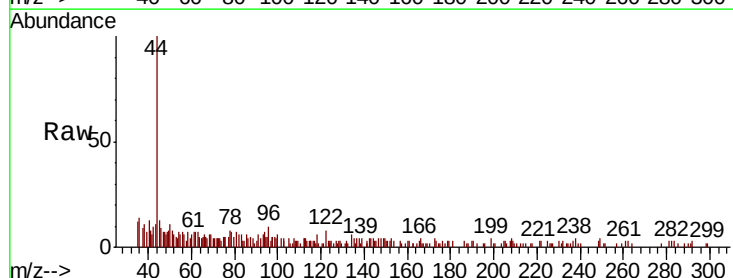
Acq: 10 Mar 2020 17:57

Tgt Ion: 94 Resp: 866

Ion Ratio Lower Upper

94 100

96 35.0 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

300

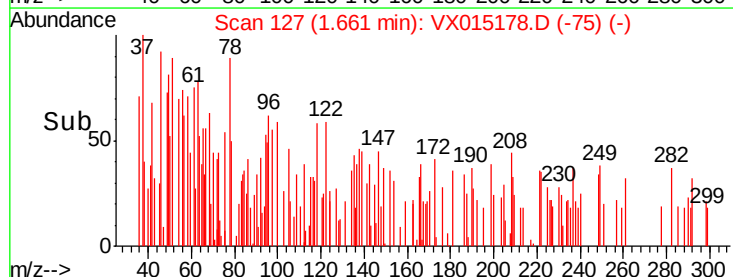
200

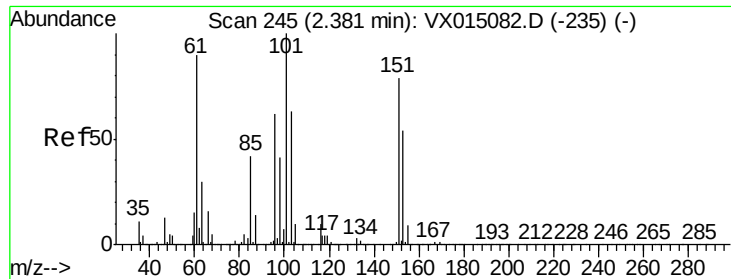
100

0

Time-->

1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.619 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

ClientSampled :

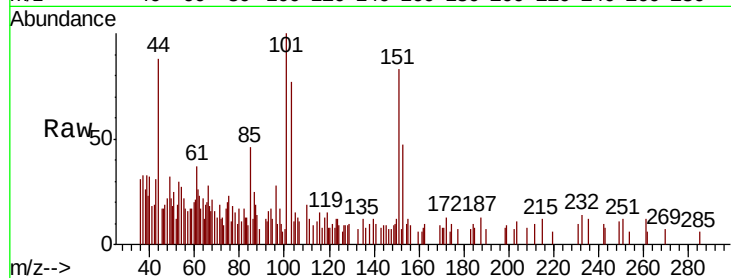
Tot Ion: 101 Resp: 1786

Ion Ratio Lower Upper

101 100

85 60.6 33.7 50.5#

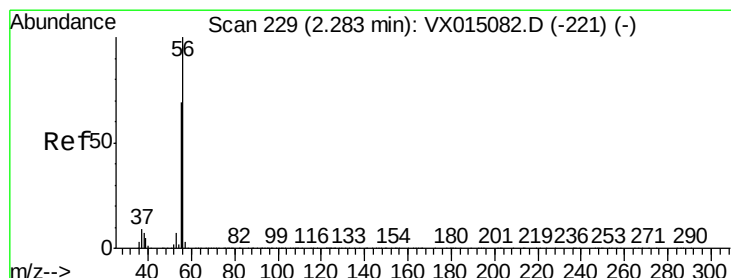
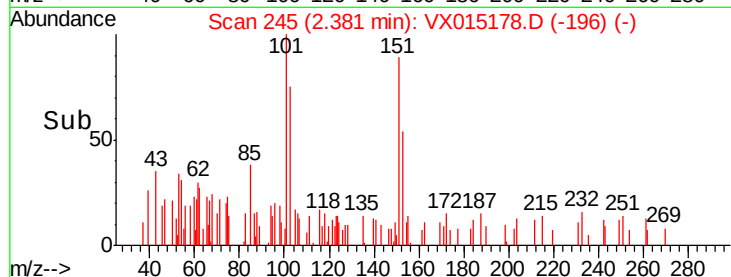
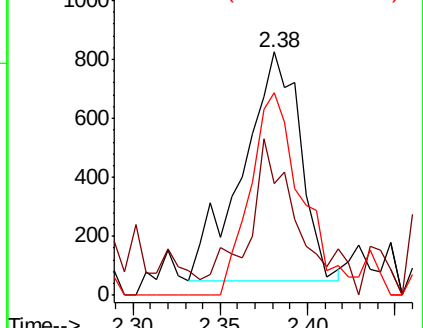
151 80.8 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#13

Acrolein

Concen: 0.334 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015178.D

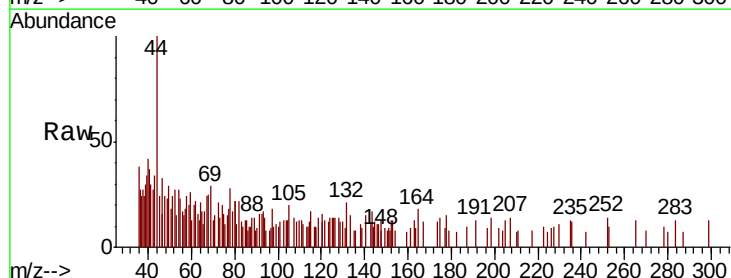
Acq: 10 Mar 2020 17:57

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

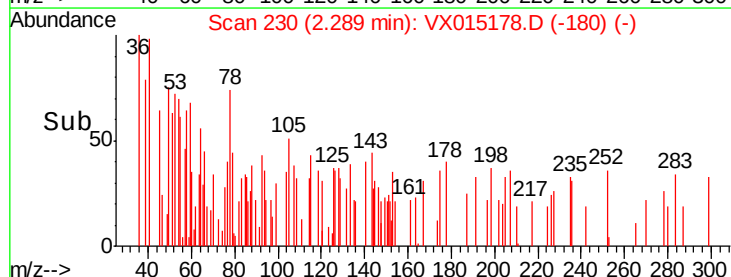
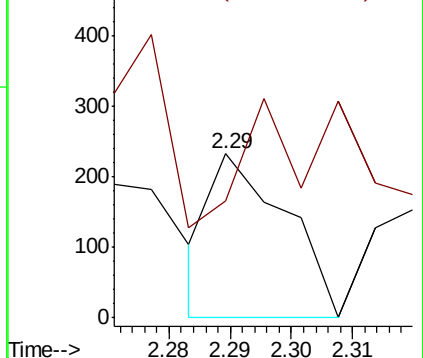
56 100

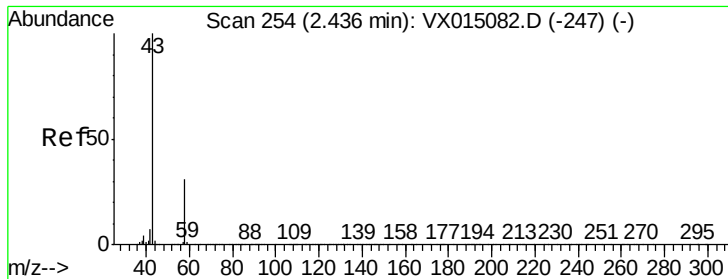
55 257.1 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

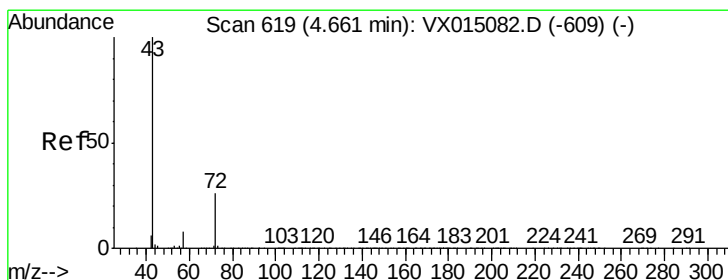
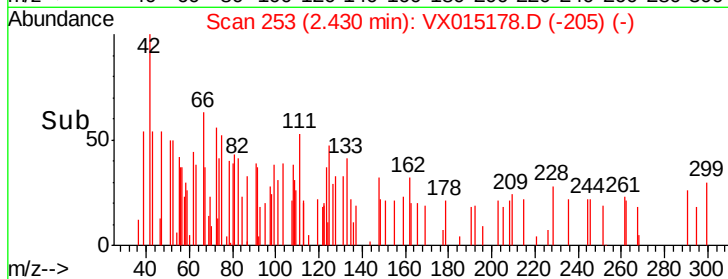
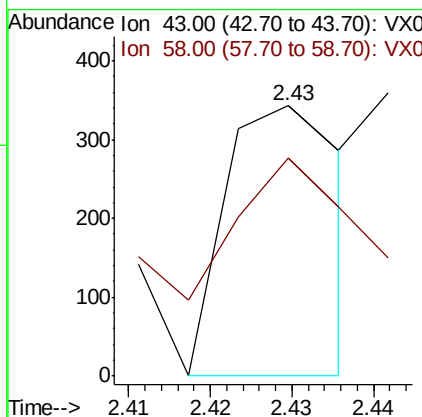
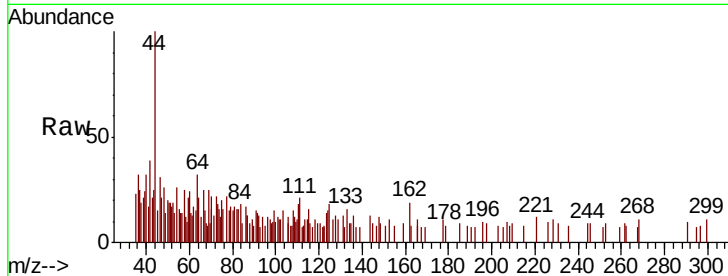




#16
Acetone
Concen: 0.234 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015178.D
Acq: 10 Mar 2020 17:57

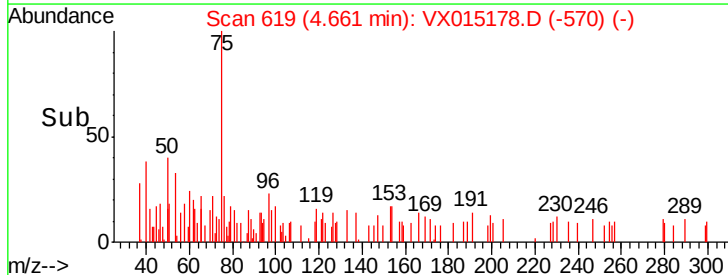
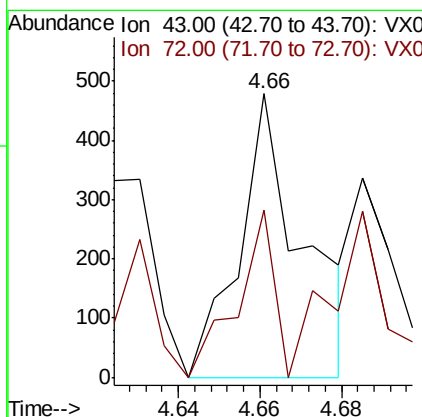
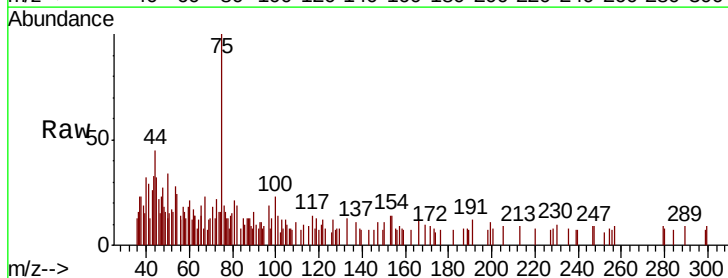
Instrument :
MSVOA_X
ClientSampleId :

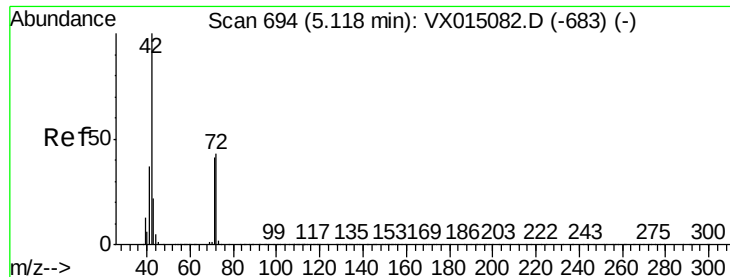
Tot Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
58 52.2 24.8 37.2#



#25
2-Butanone
Concen: 0.238 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX015178.D
Acq: 10 Mar 2020 17:57

Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
72 35.6 20.6 30.8#





#29

Tetrahydrofuran

Concen: 0.464 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.09 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

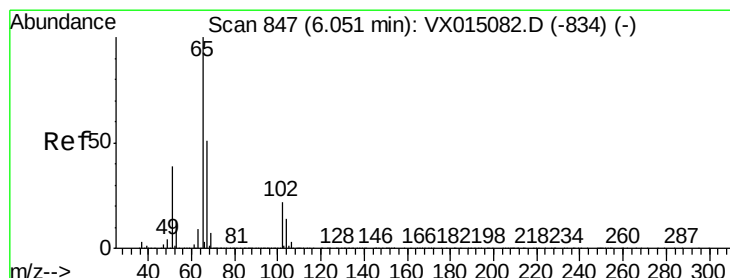
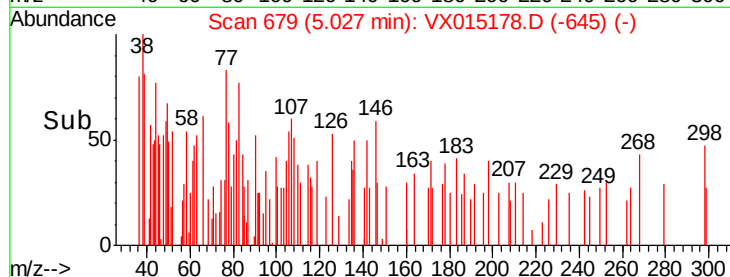
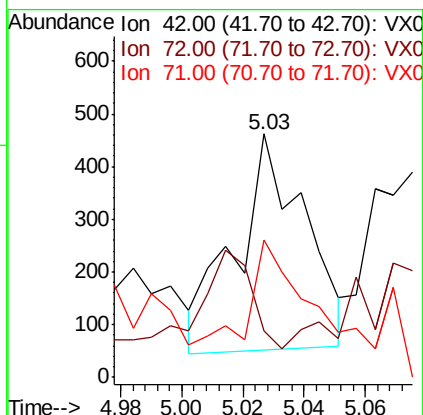
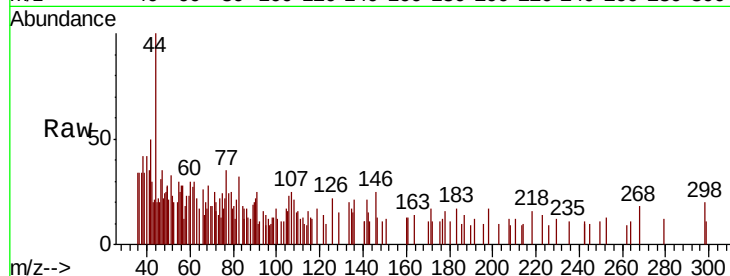
Tot Ion: 42 Resp: 644

Ion Ratio Lower Upper

42 100

72 39.4 36.4 54.6

71 37.3 33.3 49.9



#33

1,2-Dichloroethane-d4

Concen: 49.397 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015178.D

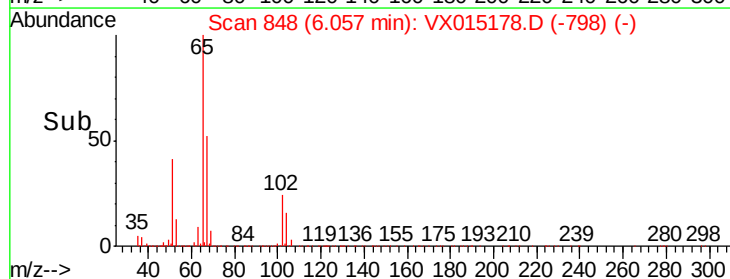
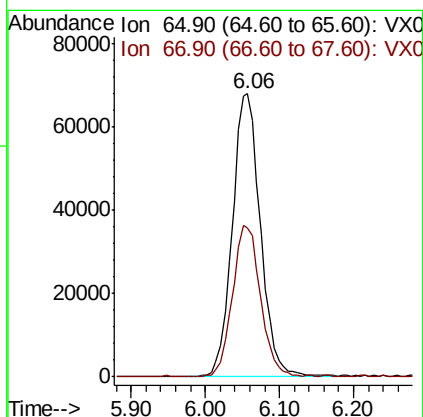
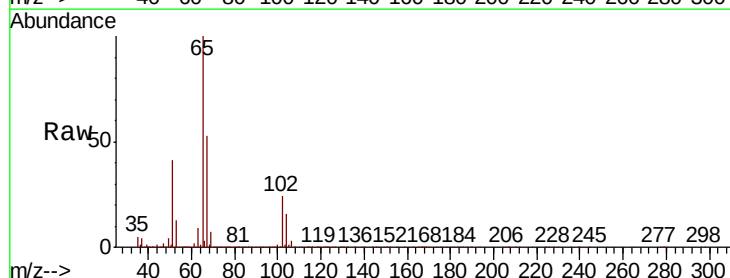
Acq: 10 Mar 2020 17:57

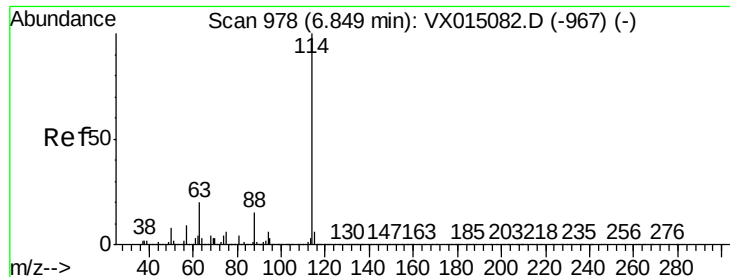
Tgt Ion: 65 Resp: 179525

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015178.D

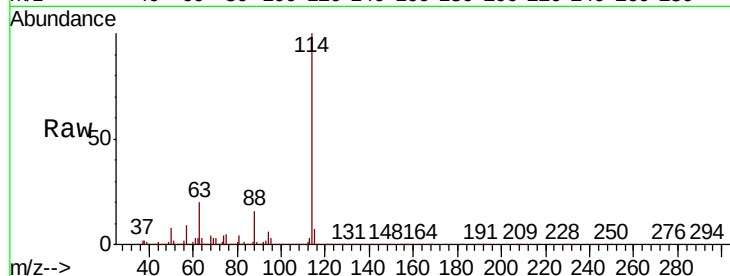
Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

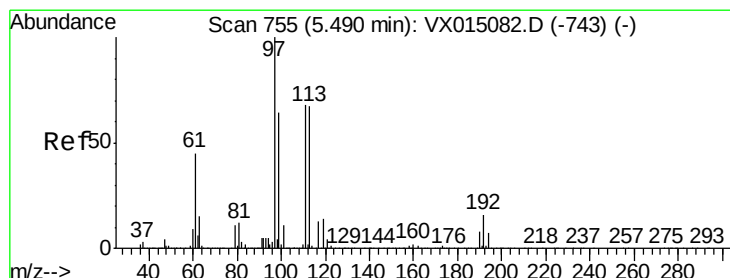
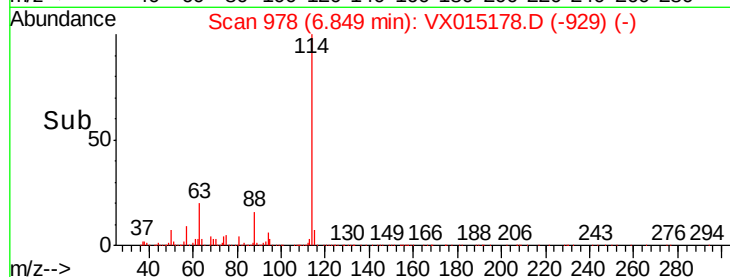
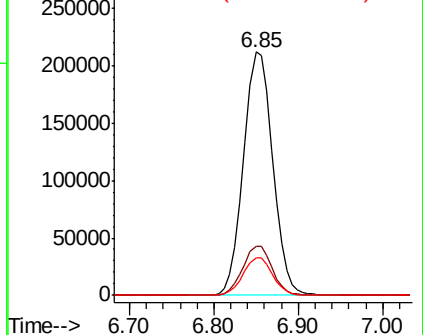
Tot Ion:	114	Resp:	498367
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.0
88	15.5	0.0	30.6



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: 48.661 ug/l

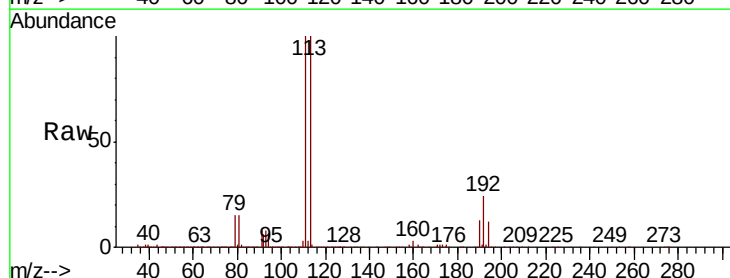
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

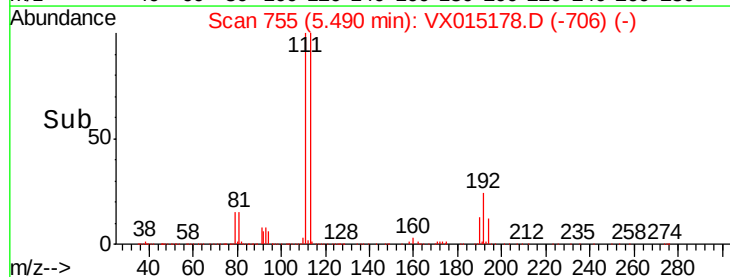
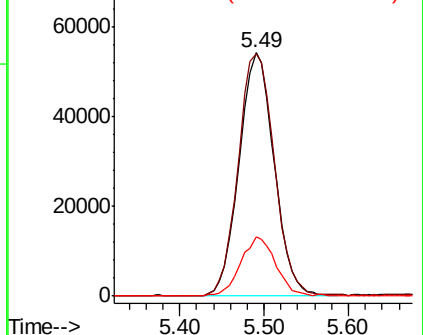
Tgt Ion:	113	Resp:	152992
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	24.5	18.6	28.0

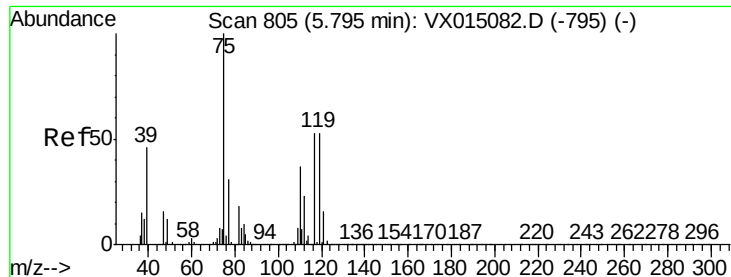


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

ClientSampled :

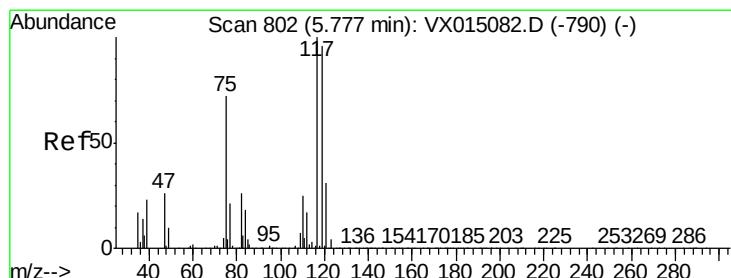
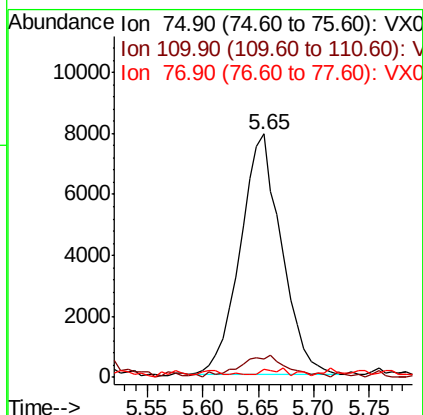
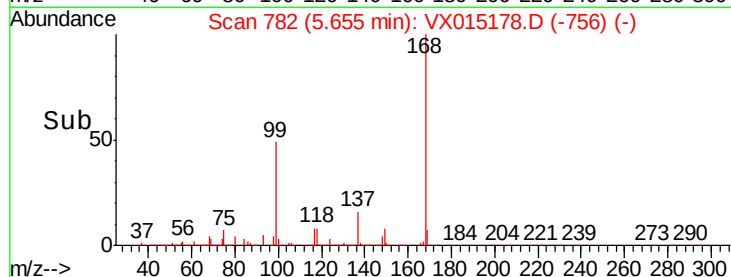
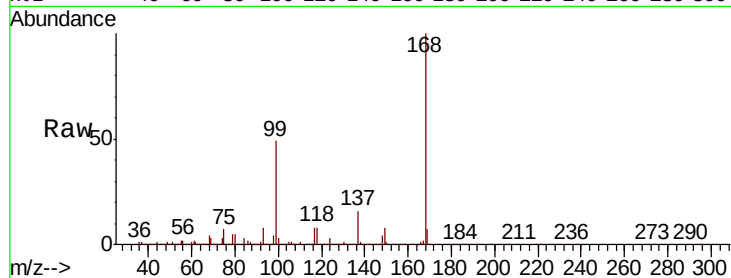
Tot Ion: 75 Resp: 20286

Ion Ratio Lower Upper

75 100

110 10.6 17.9 53.8#

77 2.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.031 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

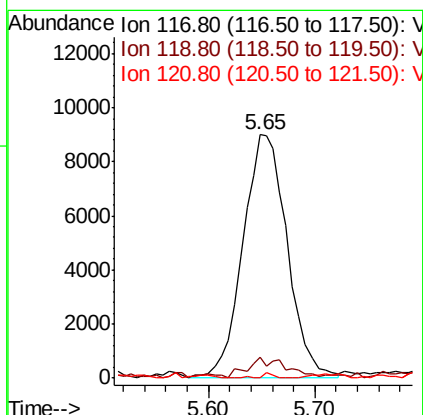
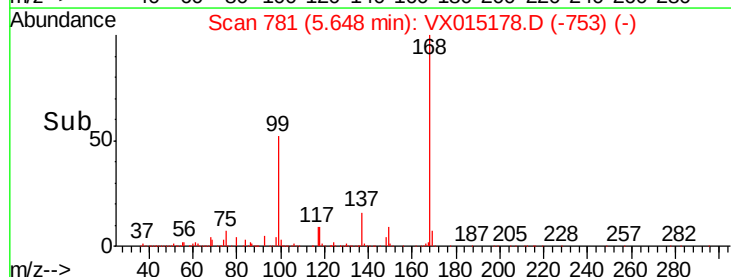
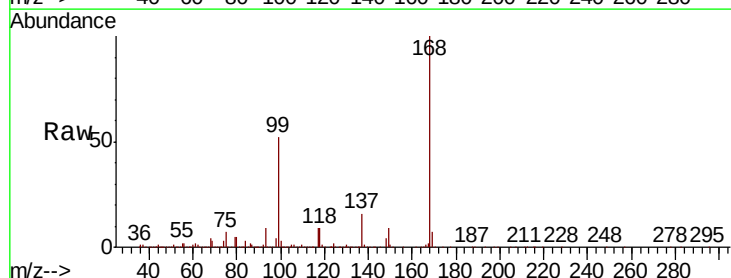
Tgt Ion: 117 Resp: 26228

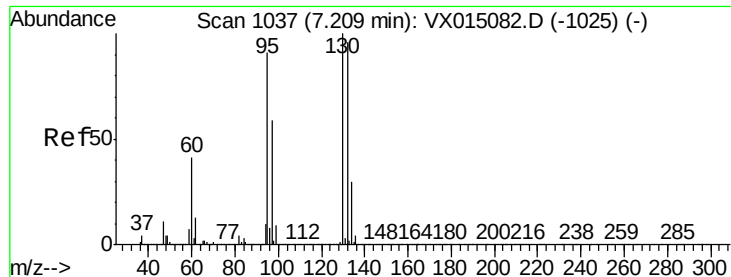
Ion Ratio Lower Upper

117 100

119 8.7 76.9 115.3#

121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 37.160 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

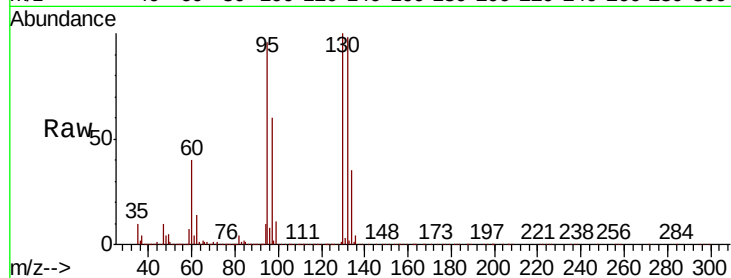
ClientSampleId :

Tot Ion:130 Resp: 141456

Ion Ratio Lower Upper

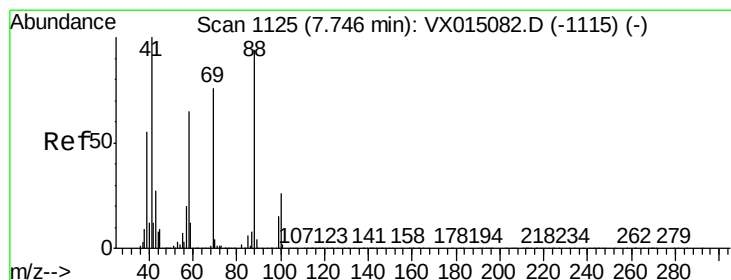
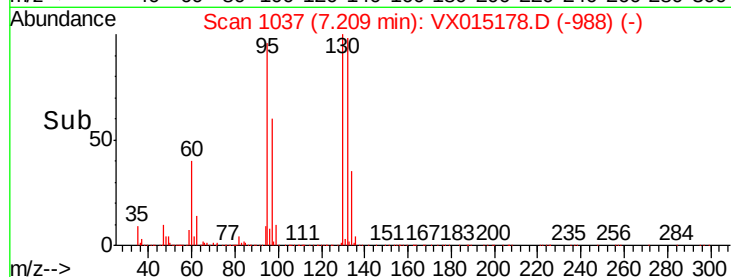
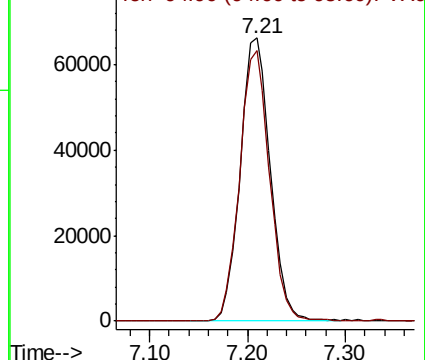
130 100

95 95.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.732 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

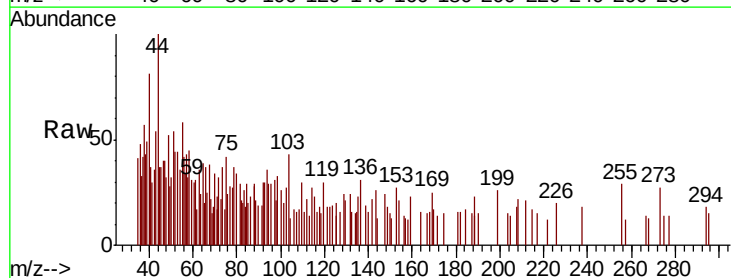
Tgt Ion: 88 Resp: 226

Ion Ratio Lower Upper

88 100

43 123.0 27.0 40.4#

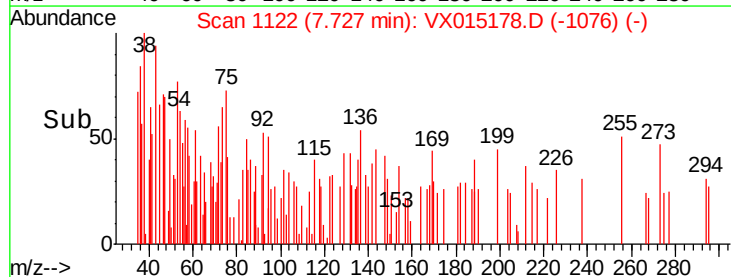
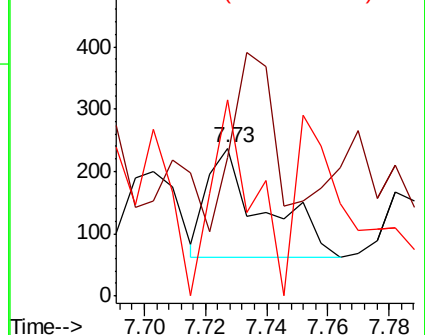
58 129.2 55.6 83.4#

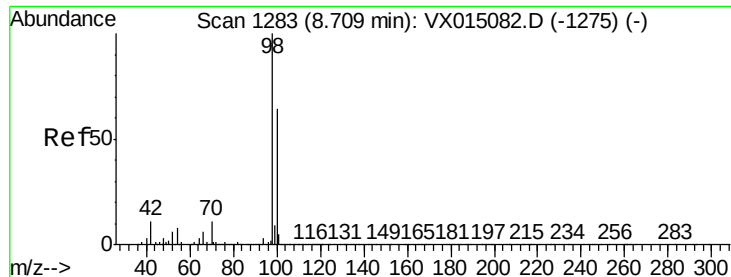


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

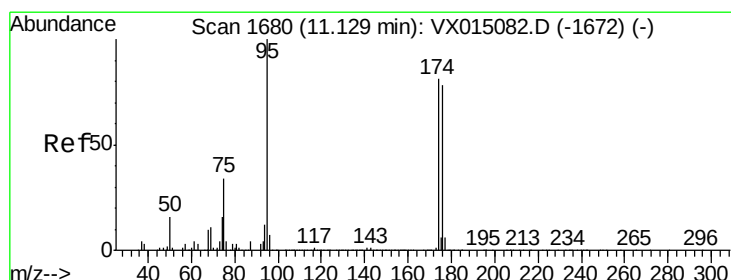
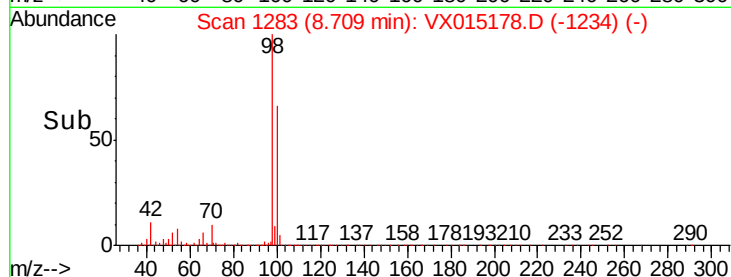
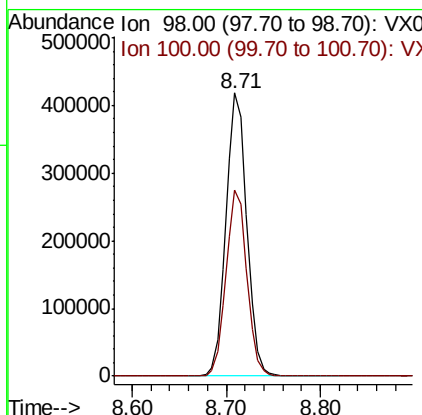
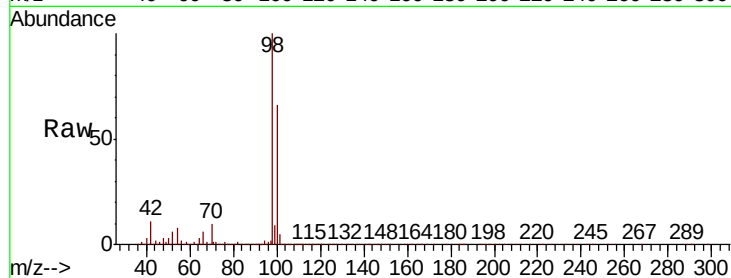




#50
Toluene-d8
Concen: 53.663 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015178.D
Acq: 10 Mar 2020 17:57

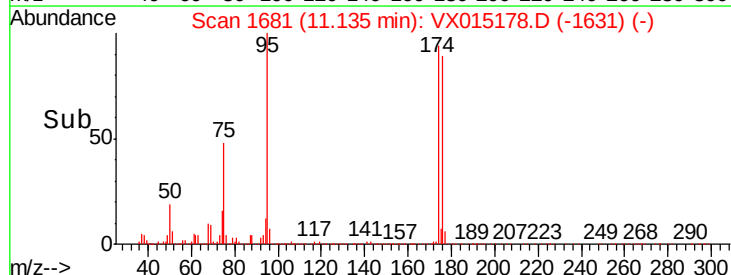
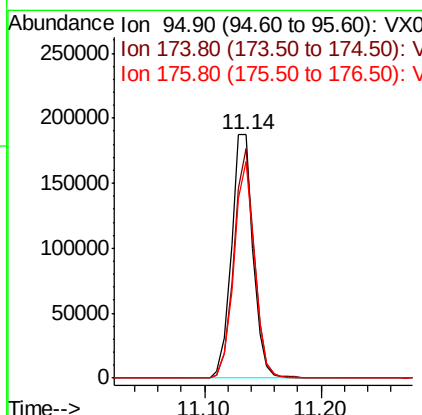
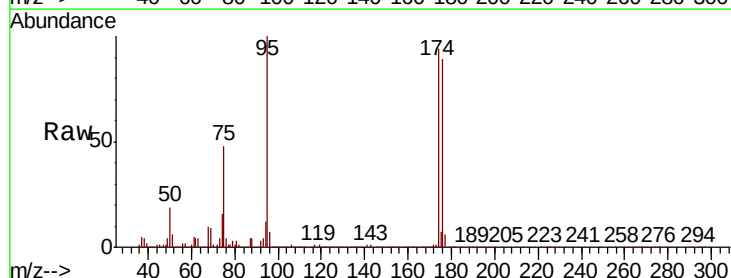
Instrument :
MSVOA_X
ClientSampleId :

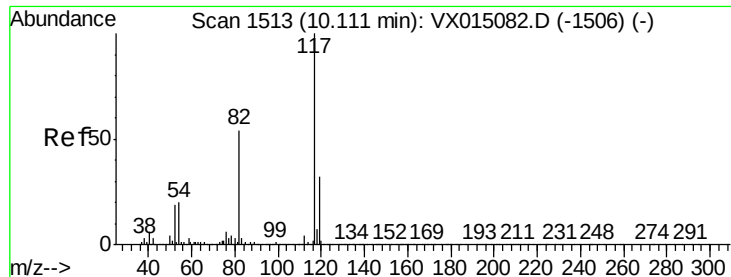
Tot Ion: 98 Resp: 641788
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 56.805 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015178.D
Acq: 10 Mar 2020 17:57

Tgt Ion: 95 Resp: 242321
Ion Ratio Lower Upper
95 100
174 89.4 0.0 177.6
176 85.3 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

ClientSampleId :

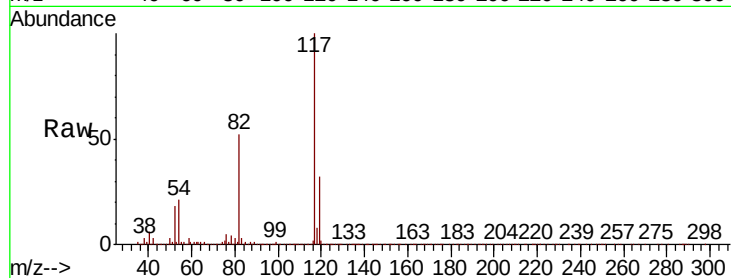
Tot Ion:117 Resp: 534141

Ion Ratio Lower Upper

117 100

82 51.7 43.3 64.9

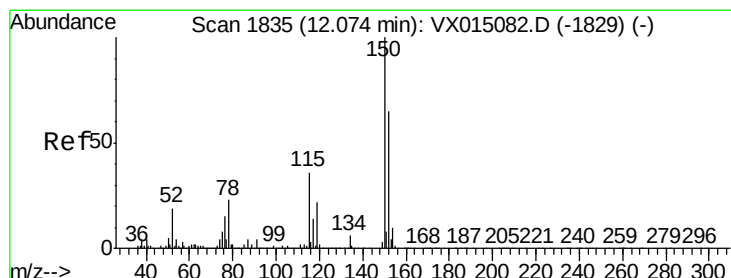
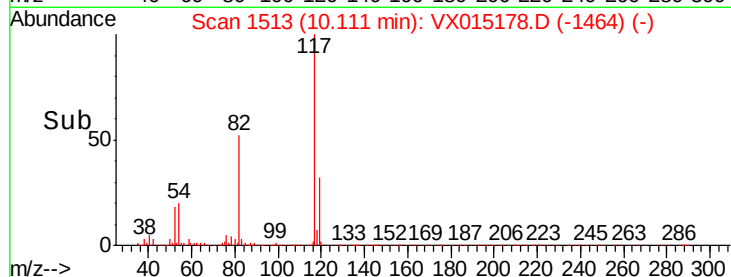
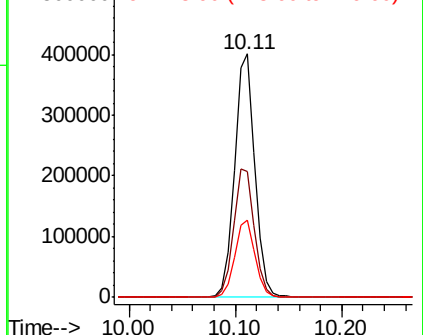
119 31.7 25.8 38.8



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

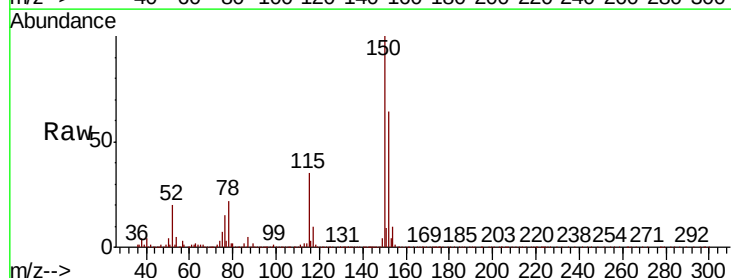
Tgt Ion:152 Resp: 271622

Ion Ratio Lower Upper

152 100

115 55.4 38.2 114.6

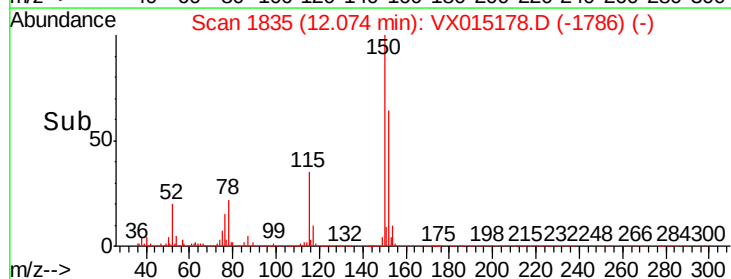
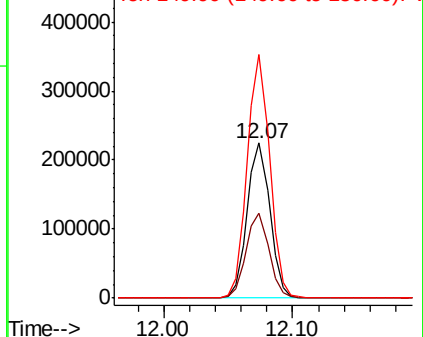
150 155.9 0.0 343.8

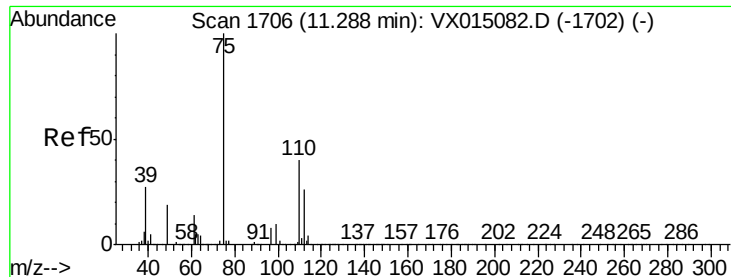


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.103 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

Instrument :

MSVOA_X

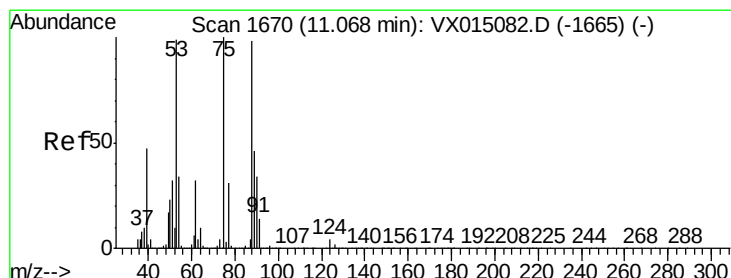
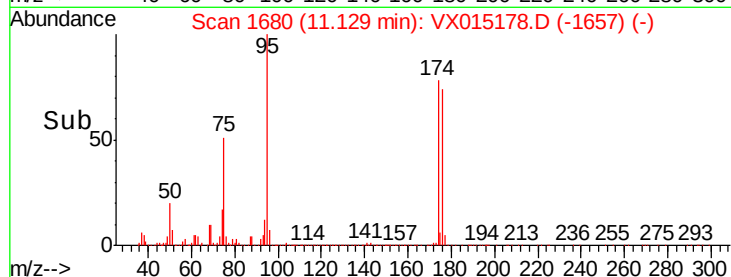
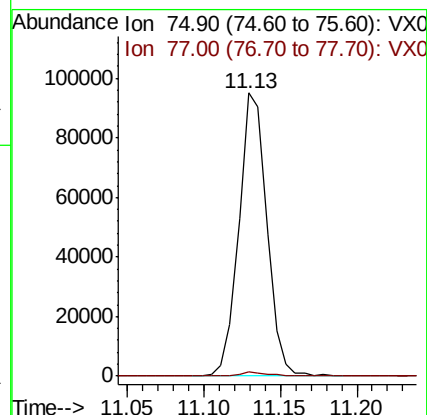
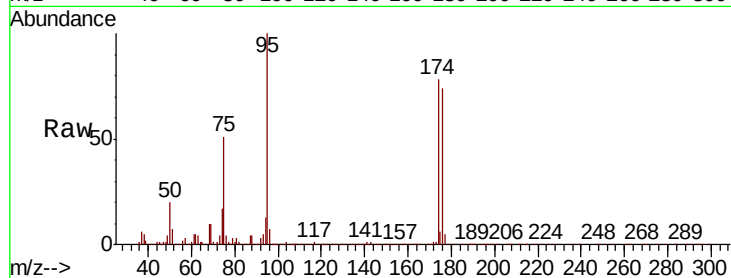
ClientSampleId :

Tot Ion: 75 Resp: 119757

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.730 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015178.D

Acq: 10 Mar 2020 17:57

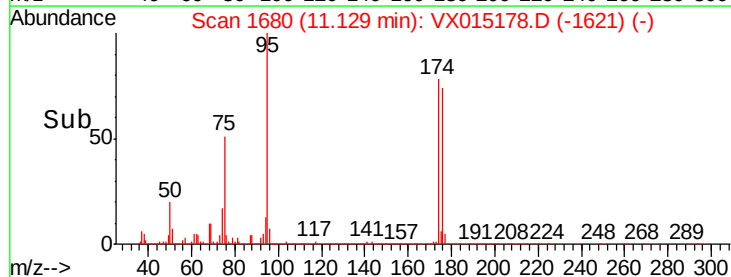
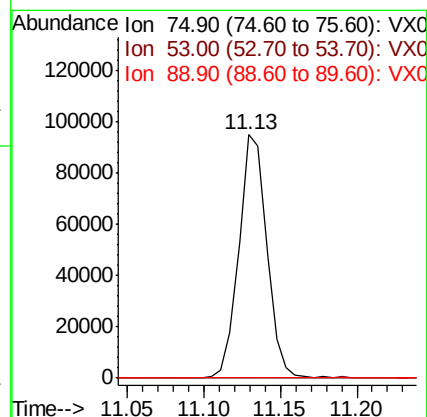
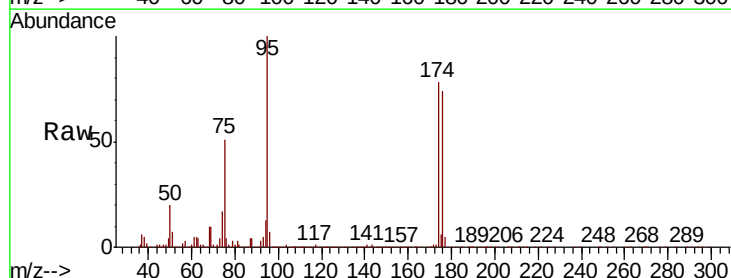
Tgt Ion: 75 Resp: 119757

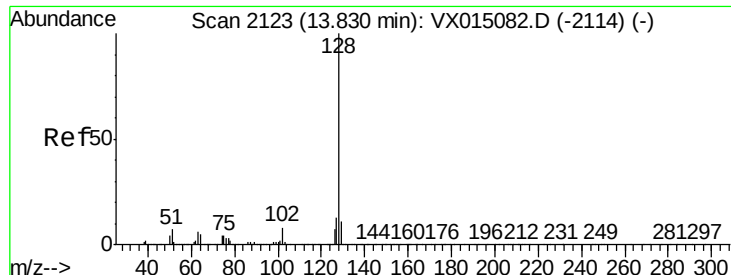
Ion Ratio Lower Upper

75 100

53 0.5 77.9 116.9#

89 0.1 36.2 54.2#





#95
Naphthalene
Concen: 1.465 ug/l
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX015178.D
Acq: 10 Mar 2020 17:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.3	15.5#
129	0.0	8.6	13.0#

