

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082120\
 Data File : VX018062.D
 Acq On : 21 Aug 2020 16:31
 Operator : JC/SP
 Sample : L3692-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 23:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	508926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	857683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	726629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	329782	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	340687	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	5.47	113	279413	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	8.70	98	1022844	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.12	95	369225	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

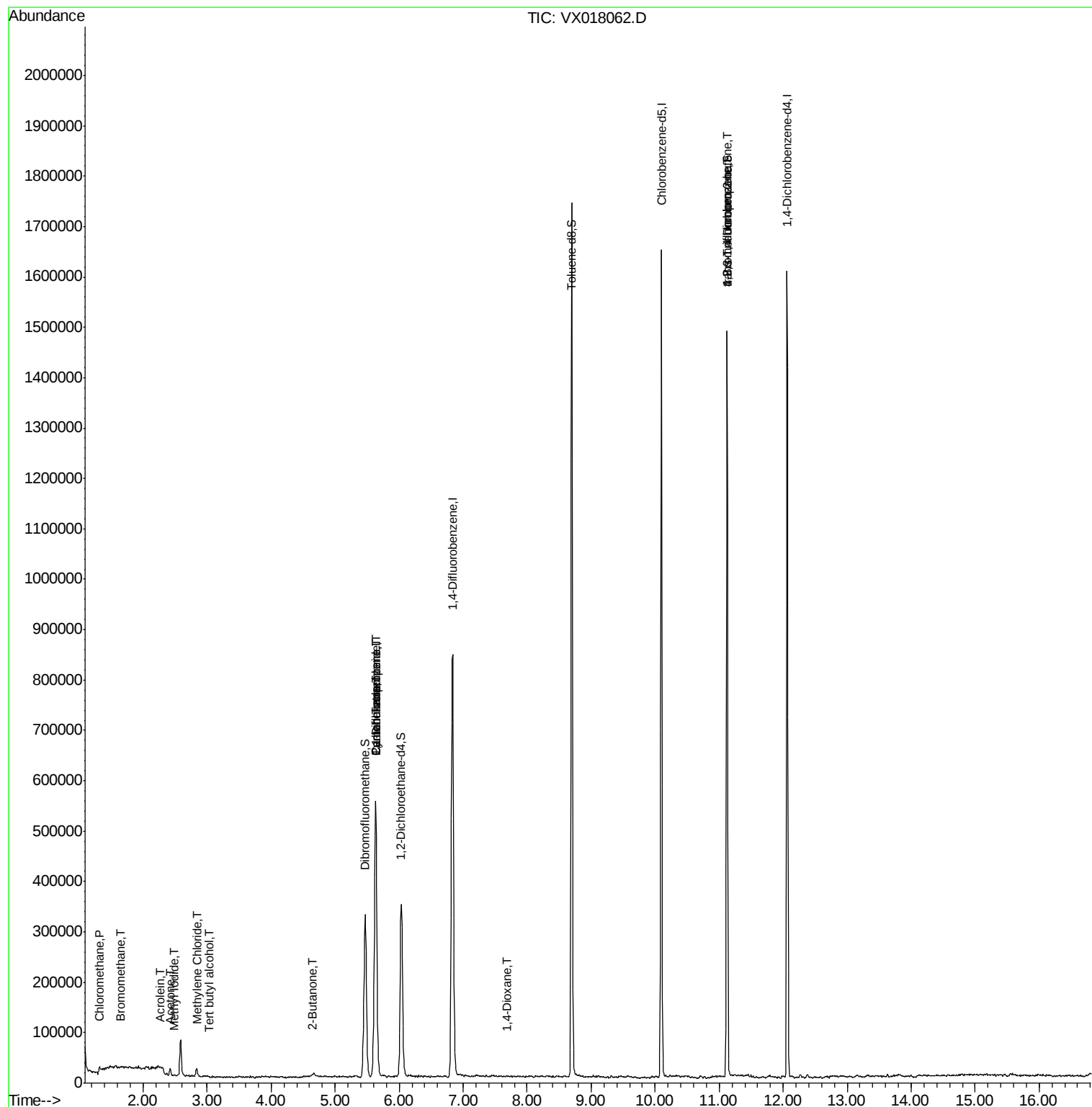
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6323	0.968	ug/l	98
5) Bromomethane	1.65	94	1234	0.393	ug/l #	51
10) Methyl Iodide	2.48	142	281	5.336	ug/l #	17
11) Tert butyl alcohol	3.03	59	596	0.434	ug/l #	50
13) Acrolein	2.26	56	352	0.618	ug/l #	14
16) Acetone	2.42	43	11921	4.330	ug/l #	84
20) Methylene Chloride	2.84	84	8228	0.301	ug/l	97
25) 2-Butanone	4.64	43	911	0.201	ug/l #	58
31) Cyclohexane	5.64	56	11442	1.353	ug/l #	37
36) 1,1-Dichloropropene	5.63	75	40611	5.134	ug/l #	52
38) Carbon Tetrachloride	5.64	117	52154	5.850	ug/l #	16
49) 1,4-Dioxane	7.69	88	142	1.061	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	187031	25.495	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	187031	68.856	ug/l #	12

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

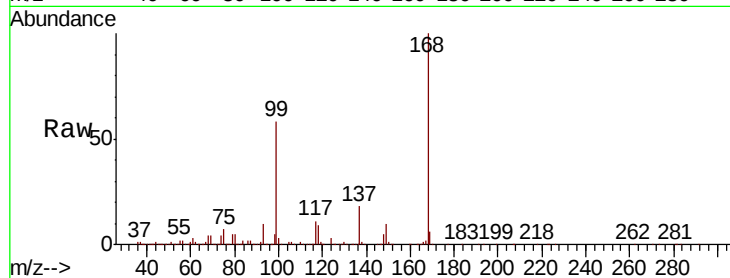
ClientSampleId :

Tot Ion:168 Resp: 508926

Ion Ratio Lower Upper

168 100

99 58.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

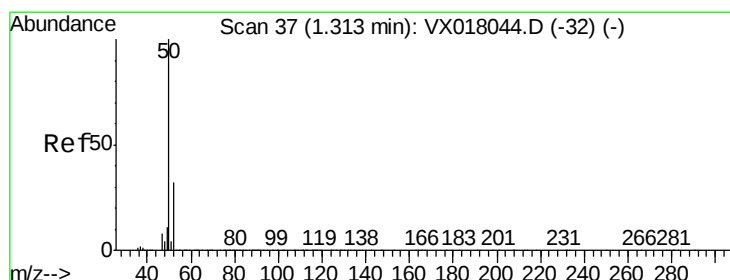
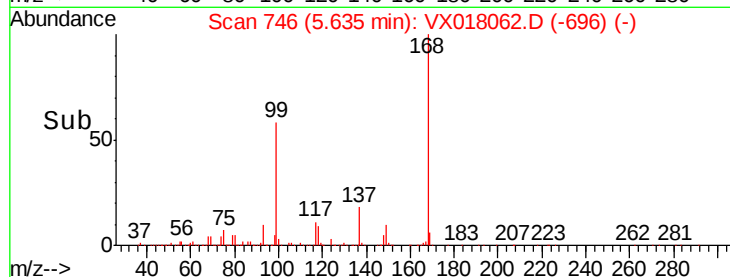
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.968 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018062.D

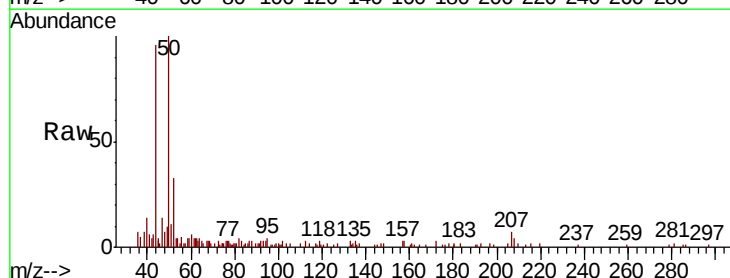
Acq: 21 Aug 2020 16:31

Tgt Ion: 50 Resp: 6323

Ion Ratio Lower Upper

50 100

52 30.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

6000

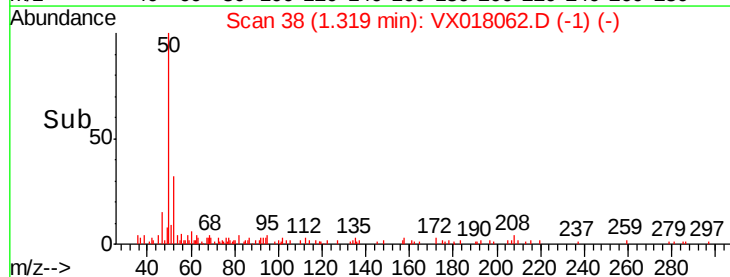
4000

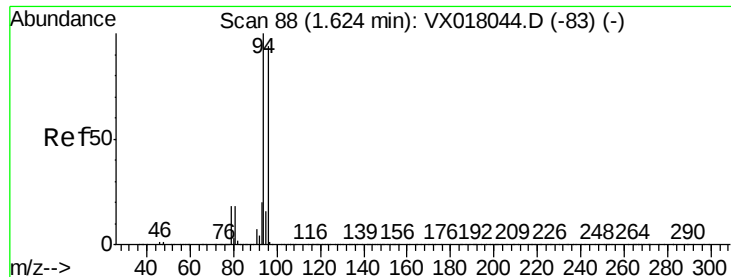
2000

0

Time-->

1.30 1.32 1.35





#5

Bromomethane

Concen: 0.393 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

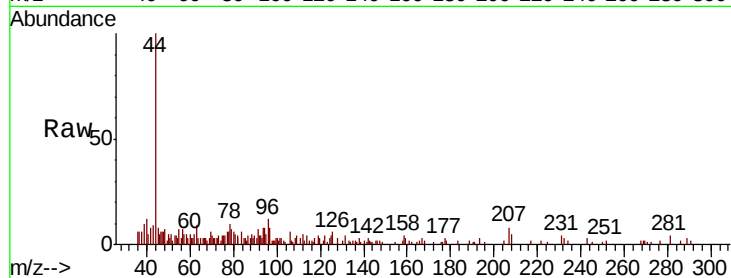
ClientSampled :

Tot Ion: 94 Resp: 1234

Ion Ratio Lower Upper

94 100

96 45.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

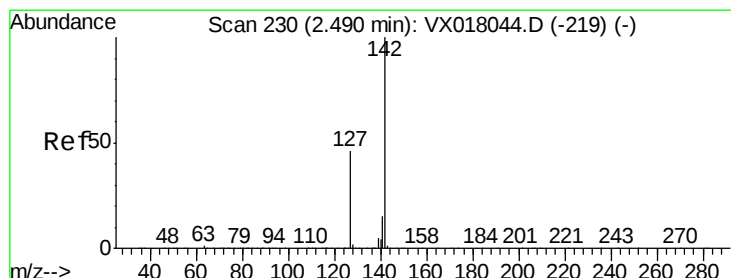
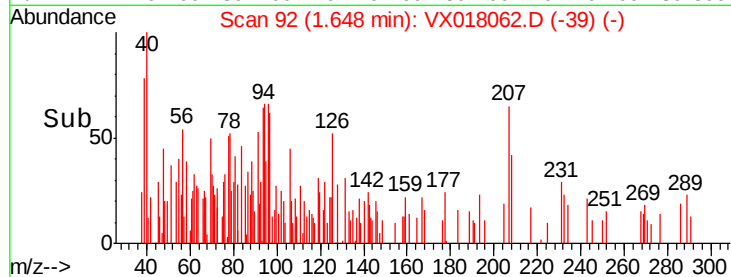
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 5.336 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

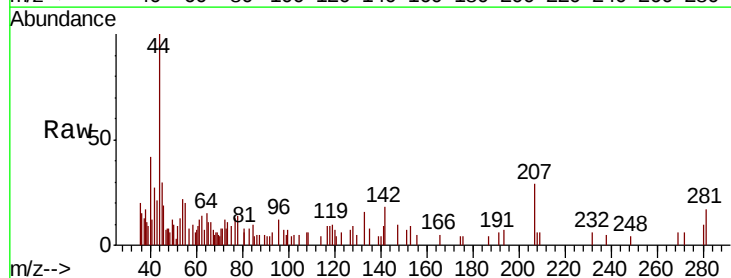
Tgt Ion: 142 Resp: 281

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 66.2 11.5 17.3#



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

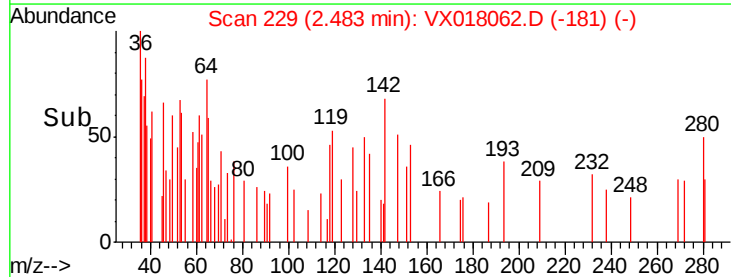
300

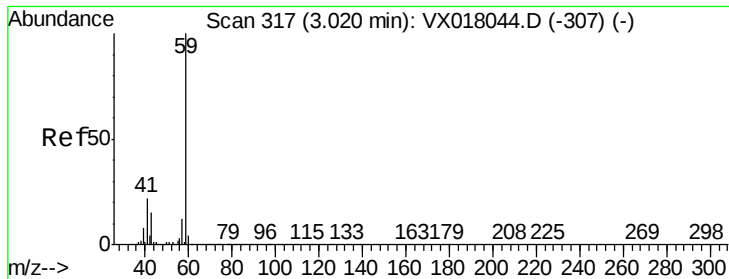
200

100

0

Time-->



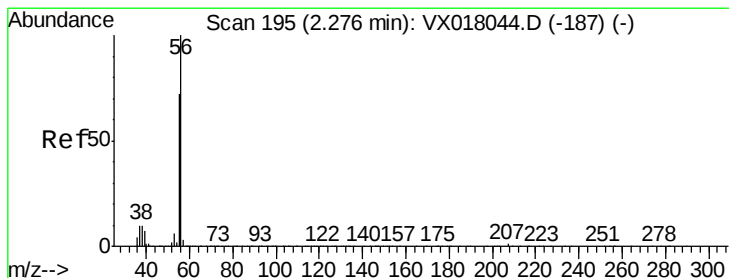
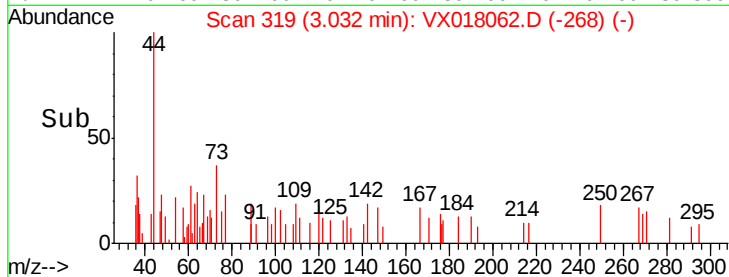
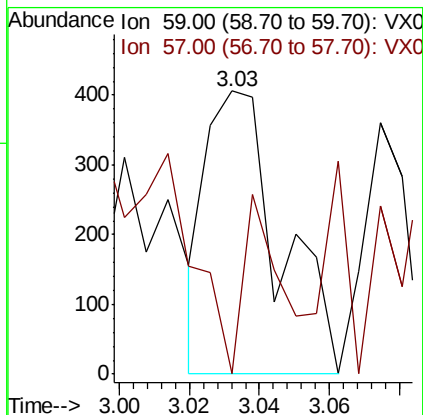
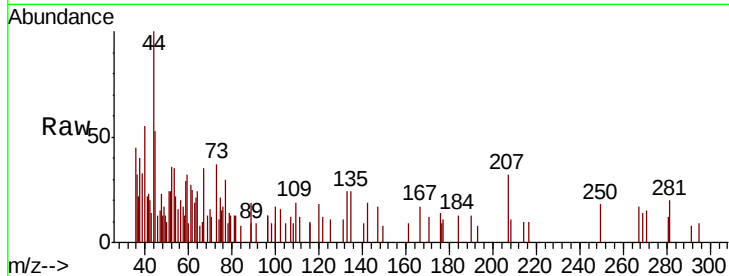


#11

Tert butyl alcohol
Concen: 0.434 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX018062.D
Acq: 21 Aug 2020 16:31

Instrument :
MSVOA_X
ClientSampled :

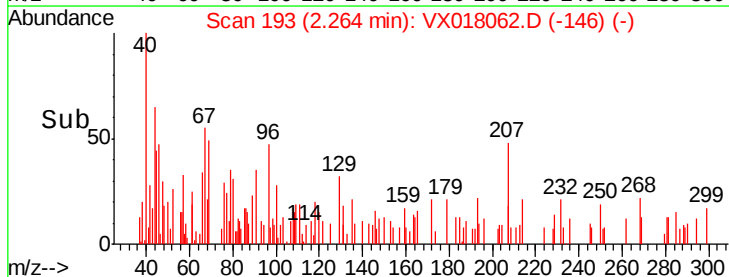
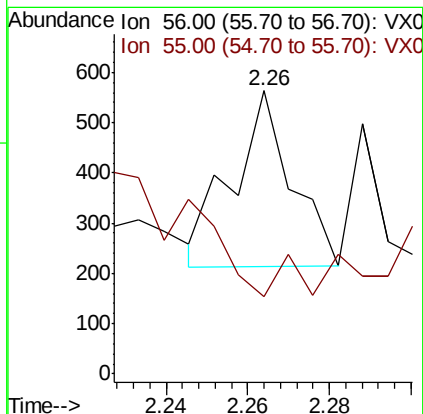
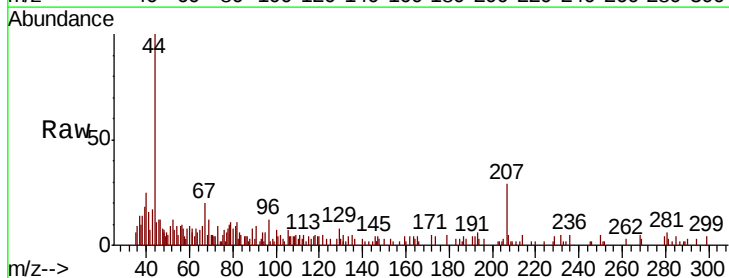
Tot Ion: 59 Resp: 596
Ion Ratio Lower Upper
59 100
57 30.0 8.9 13.3#

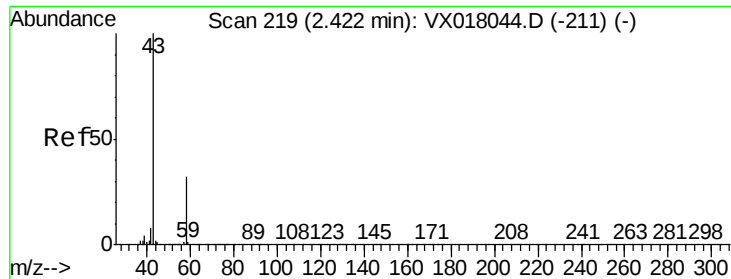


#13

Acrolein
Concen: 0.618 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018062.D
Acq: 21 Aug 2020 16:31

Tgt Ion: 56 Resp: 352
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#

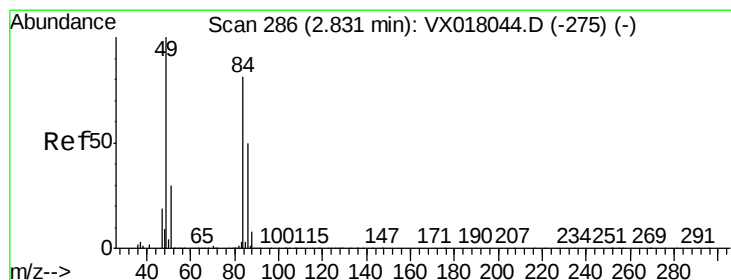
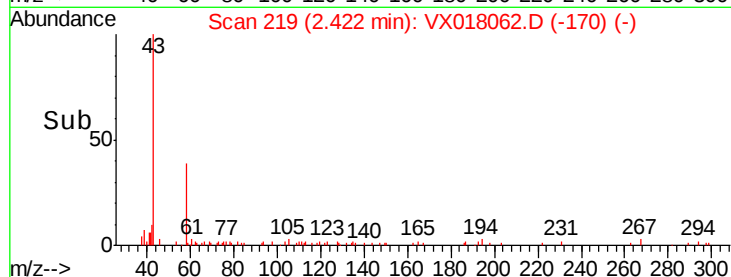
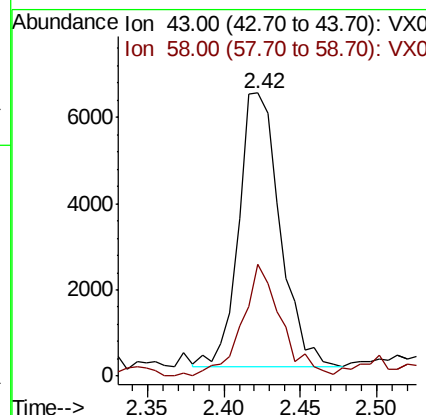
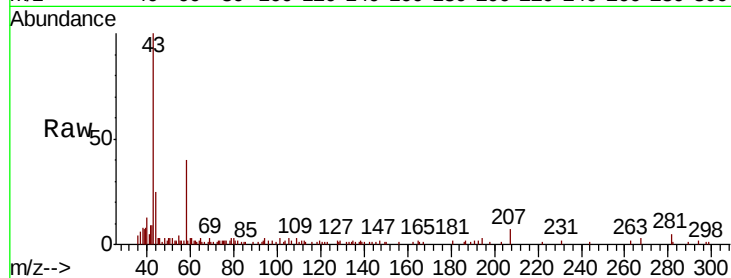




#16
Acetone
Concen: 4.330 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018062.D
Acq: 21 Aug 2020 16:31

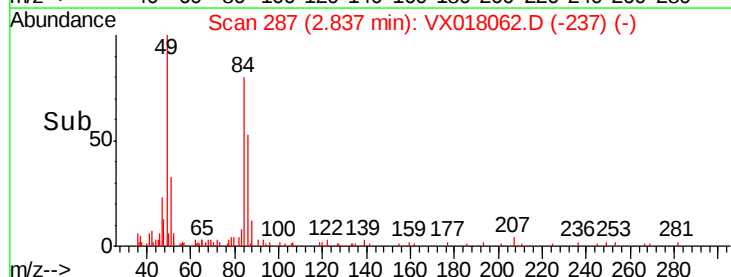
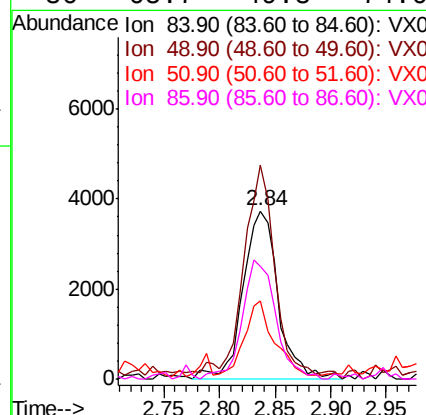
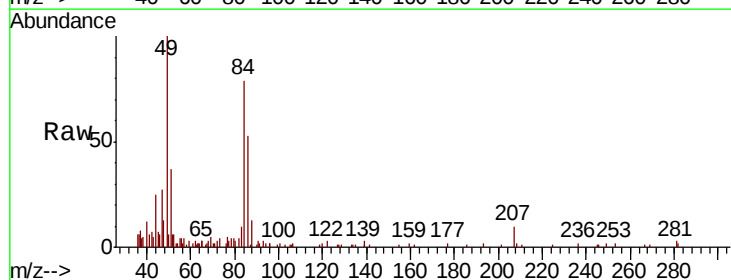
Instrument :
MSVOA_X
ClientSampleId :

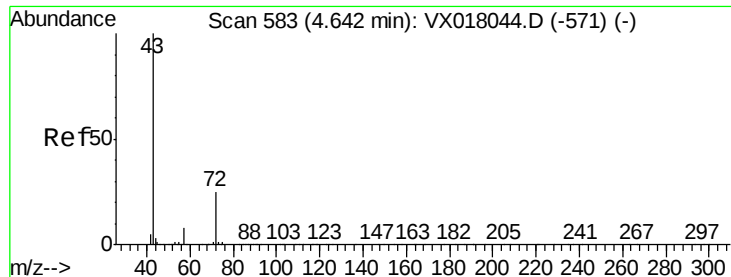
Tot Ion: 43 Resp: 11921
Ion Ratio Lower Upper
43 100
58 41.0 25.5 38.3#



#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018062.D
Acq: 21 Aug 2020 16:31

Tgt Ion: 84 Resp: 8228
Ion Ratio Lower Upper
84 100
49 123.1 98.6 148.0
51 43.8 29.6 44.4
86 65.7 49.8 74.6





#25

2-Butanone

Concen: 0.201 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

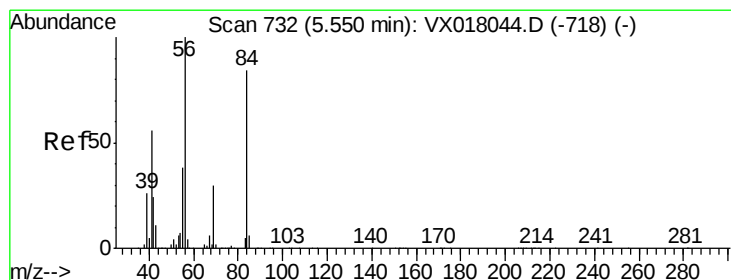
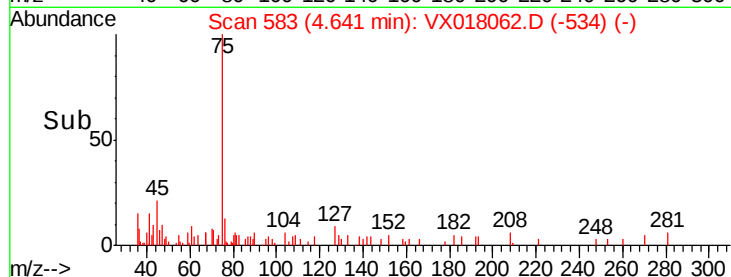
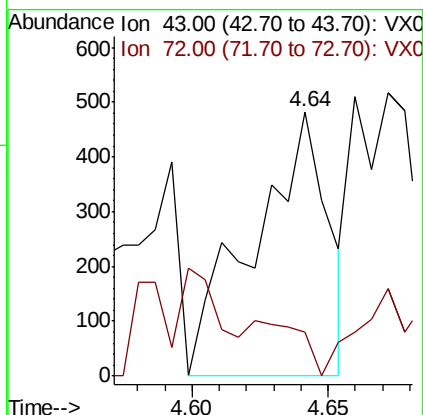
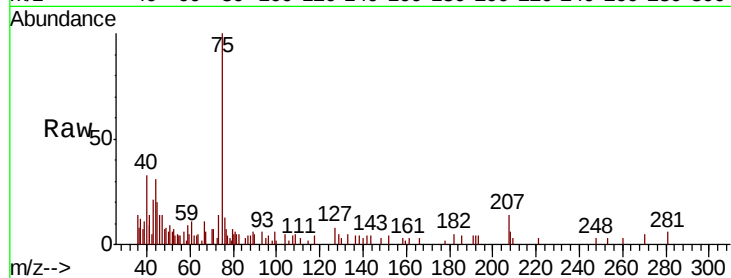
ClientSampleId :

Tot Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

72 3.5 19.8 29.6#



#31

Cyclohexane

Concen: 1.353 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

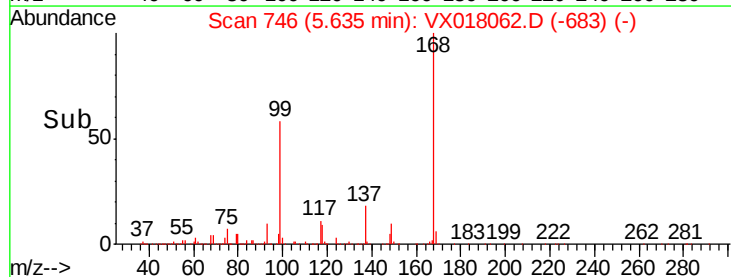
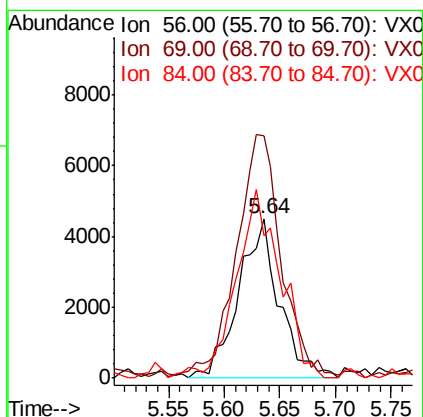
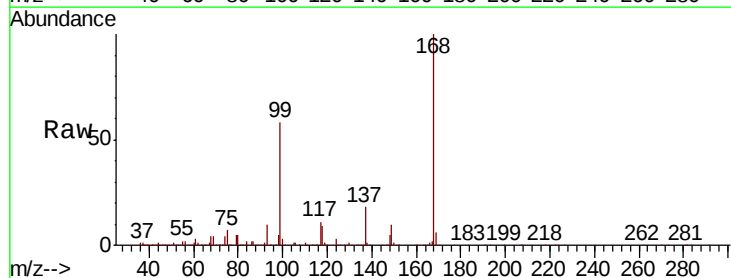
Tgt Ion: 56 Resp: 11442

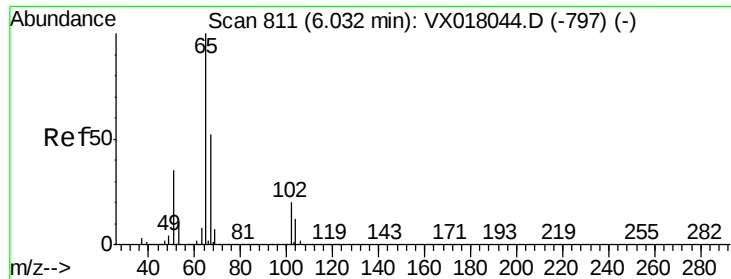
Ion Ratio Lower Upper

56 100

69 150.1 23.9 35.9#

84 89.7 67.0 100.4





#33

1,2-Dichloroethane-d4

Concen: 48.220 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

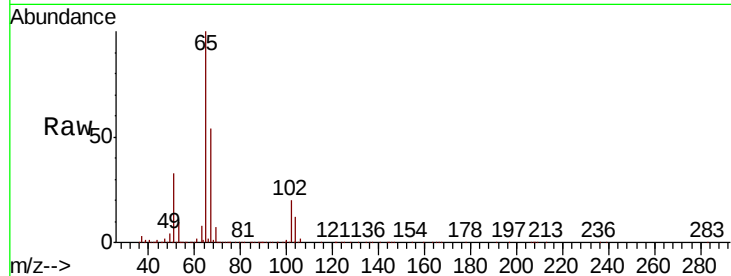
ClientSampled :

Tot Ion: 65 Resp: 340687

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

150000

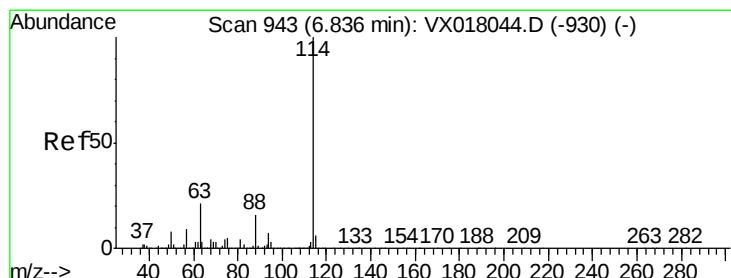
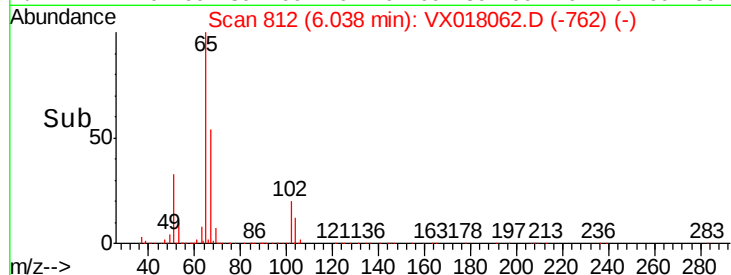
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

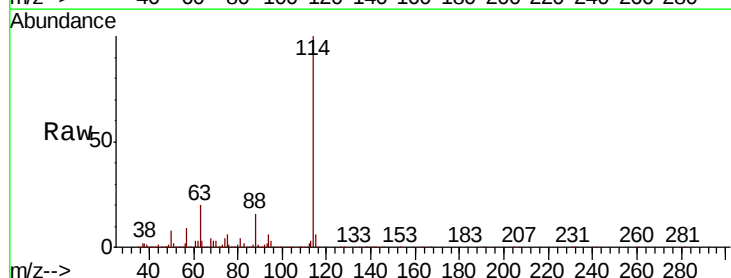
Tgt Ion: 114 Resp: 857683

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 16.0 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

300000

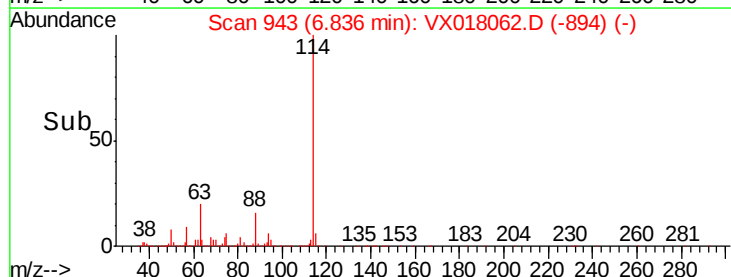
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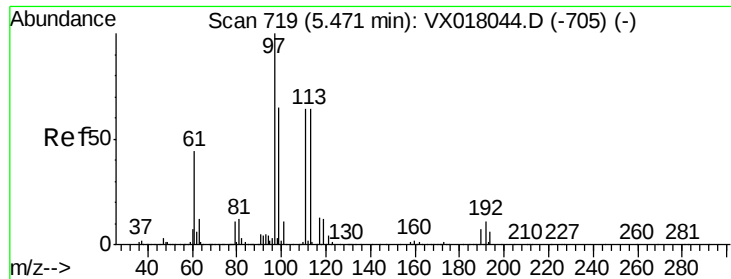
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.835 ug/l

RT: 5.47 min Scan# 719

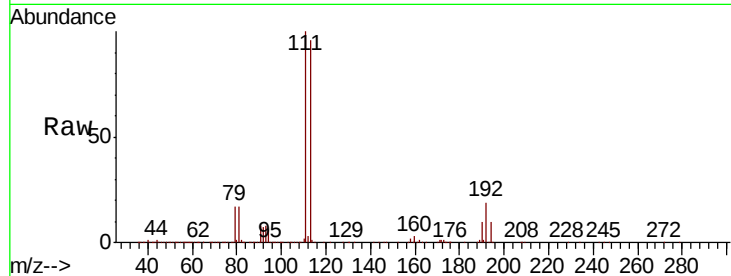
Delta R.T. -0.00 min

Lab File: VX018062.D

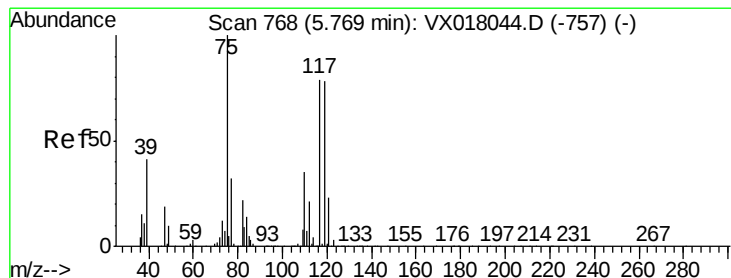
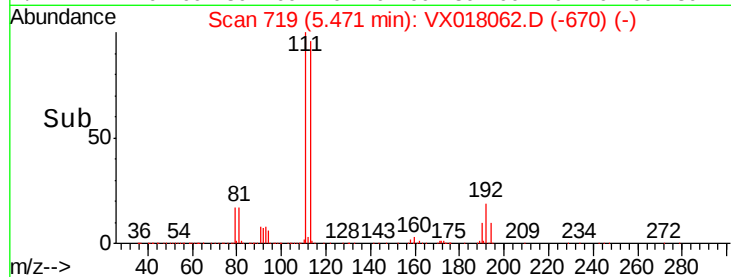
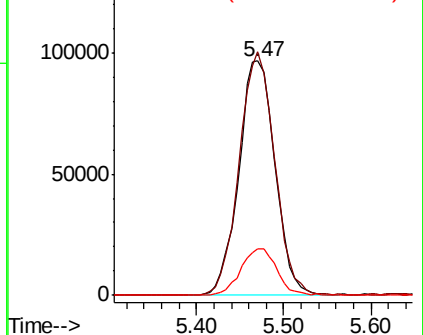
Acq: 21 Aug 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.6	122.4
192	19.8	15.8	23.8



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: 5.134 ug/l

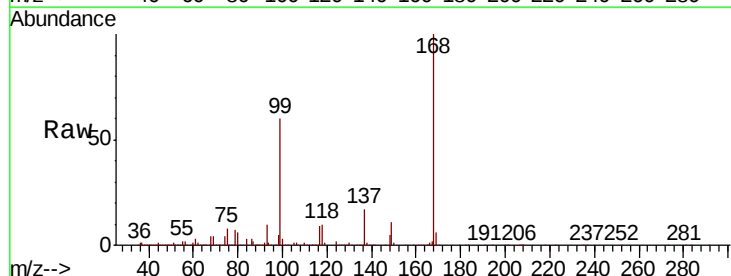
RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

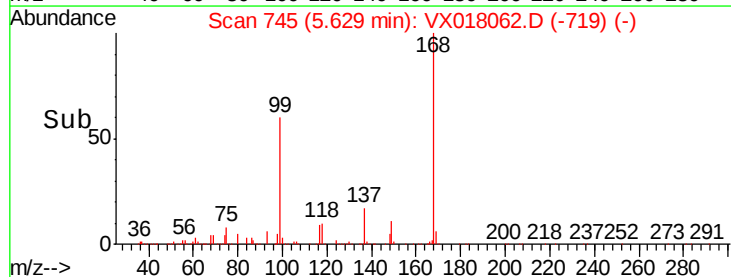
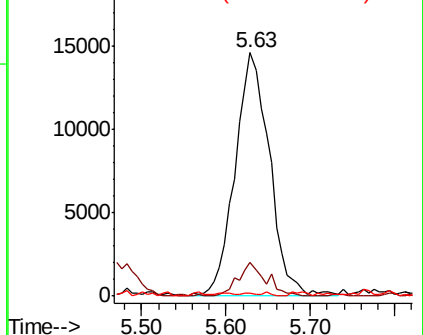
Lab File: VX018062.D

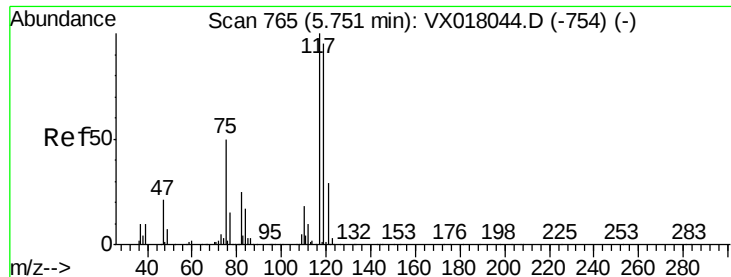
Acq: 21 Aug 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.0	54.0#
77	0.5	24.4	36.6#



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: 5.850 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

ClientSampled :

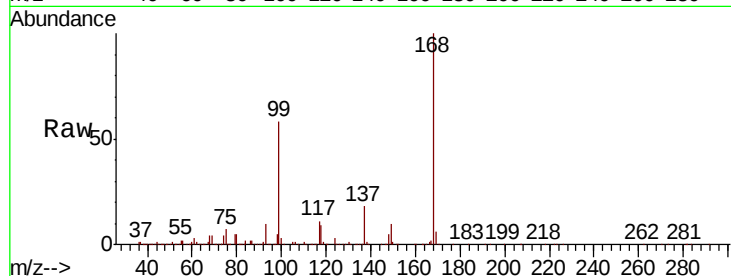
Tot Ion:117 Resp: 52154

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

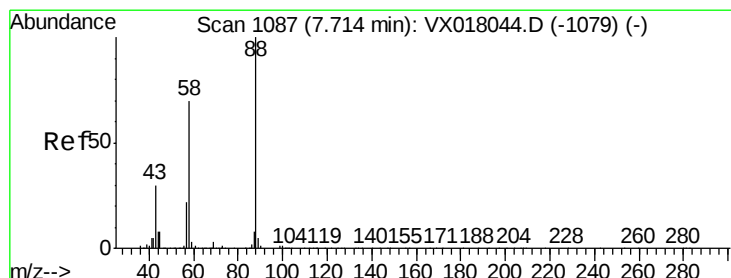
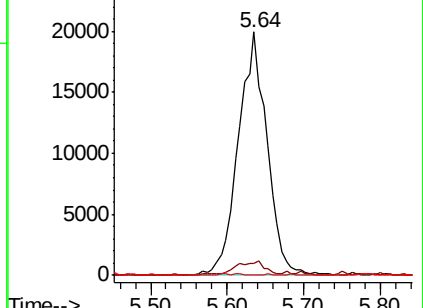
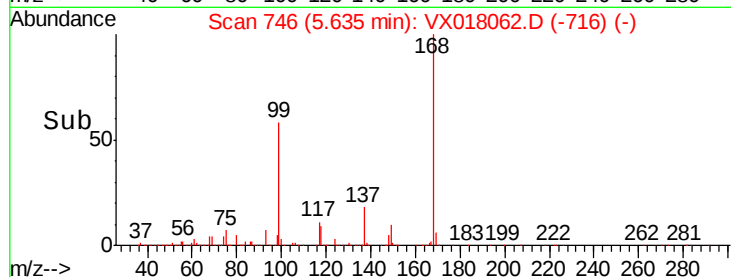
121 0.0 23.4 35.0#



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: 1.061 ug/l

RT: 7.69 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

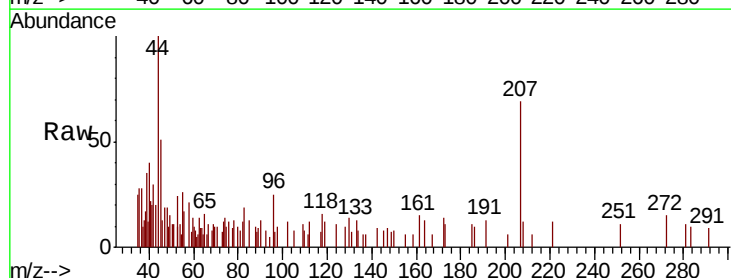
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 309.9 27.4 41.0#

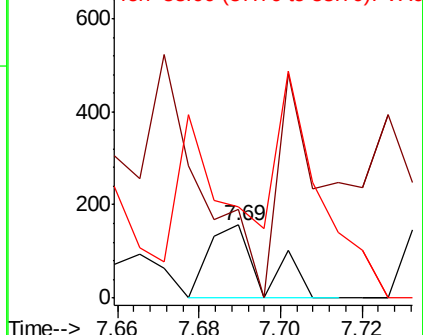
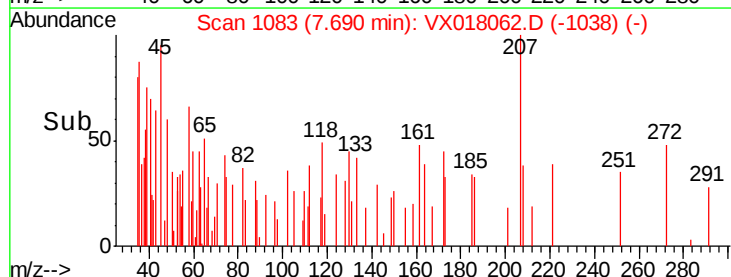
58 252.1 56.4 84.6#

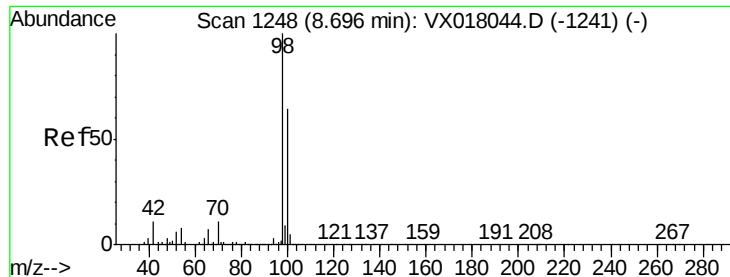


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.014 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

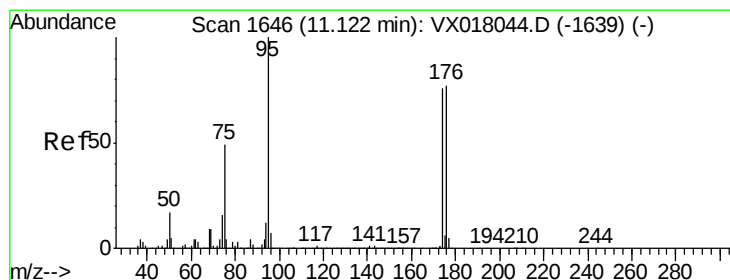
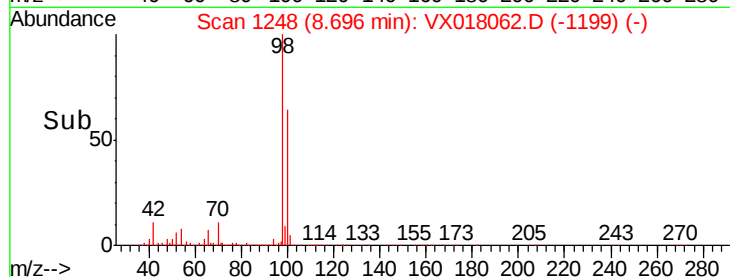
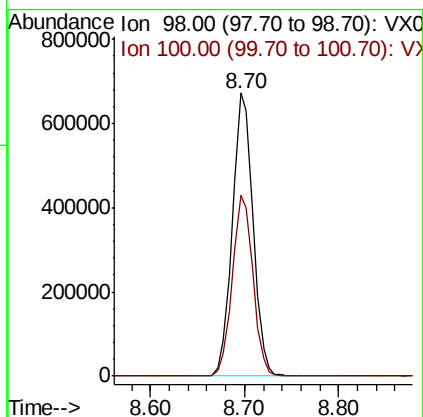
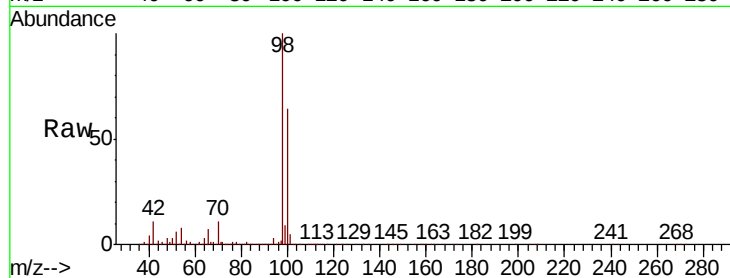
ClientSampleId :

Tot Ion: 98 Resp: 1022844

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 43.135 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

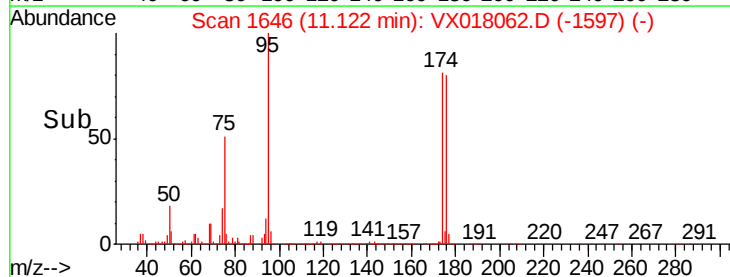
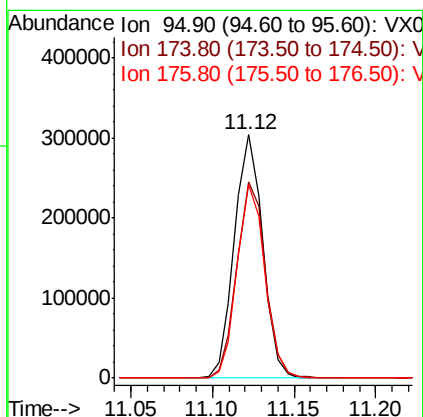
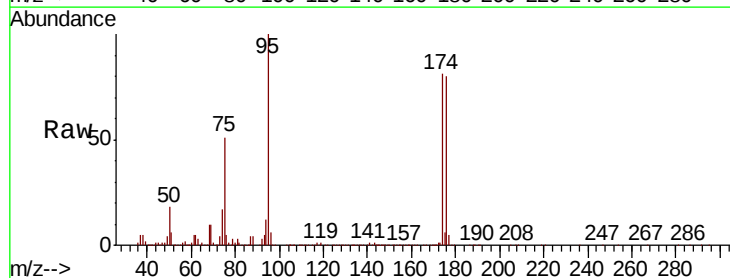
Tgt Ion: 95 Resp: 369225

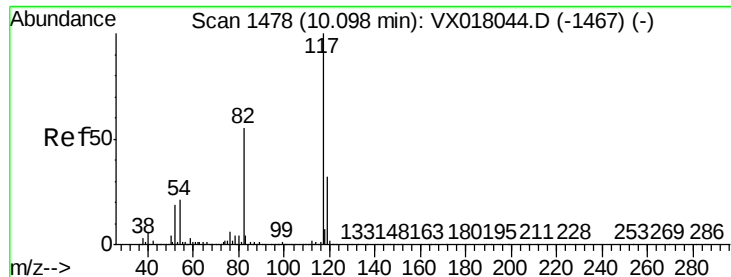
Ion Ratio Lower Upper

95 100

174 81.8 0.0 160.2

176 78.4 0.0 155.8

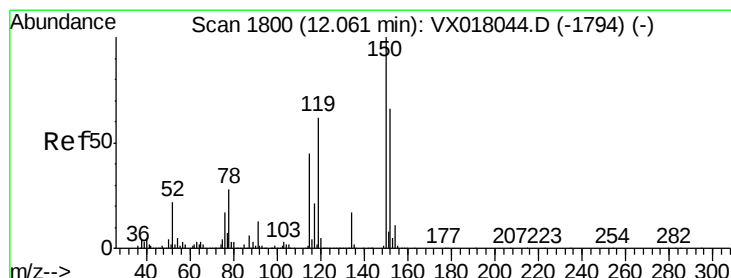
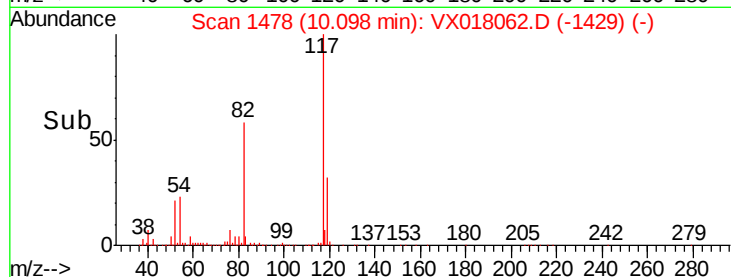
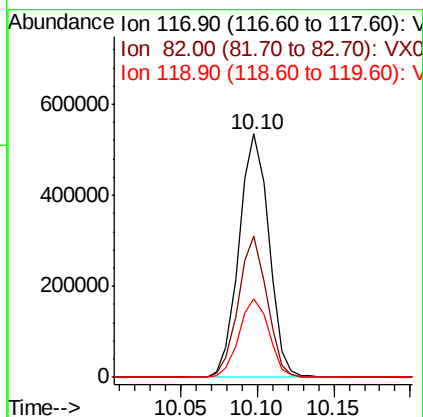
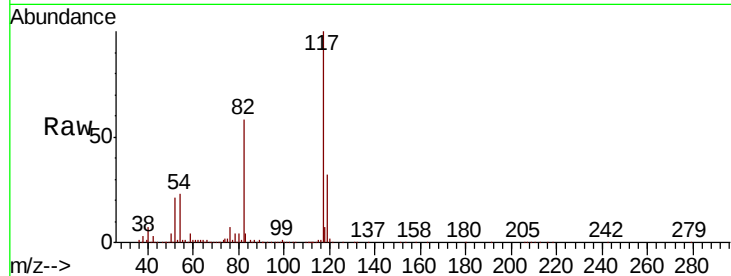




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018062.D
Acq: 21 Aug 2020 16:31

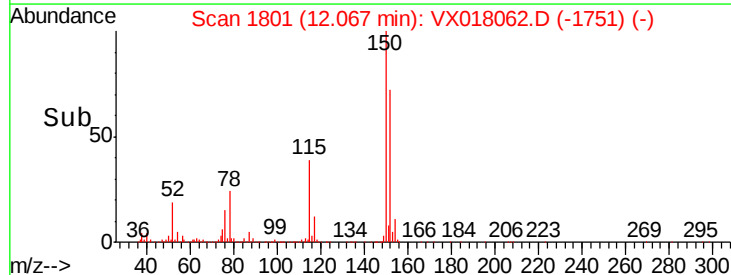
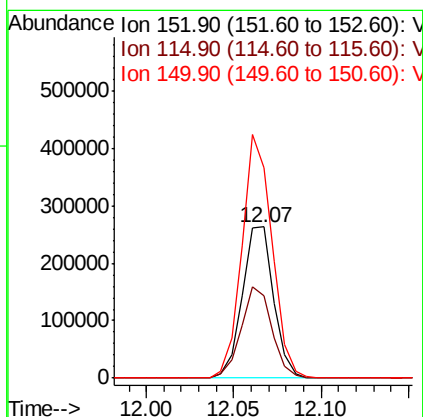
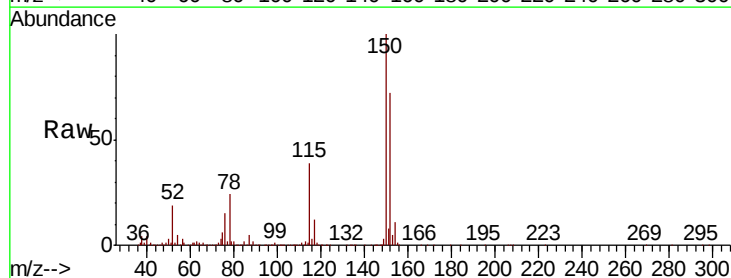
Instrument :
MSVOA_X
ClientSampleId :

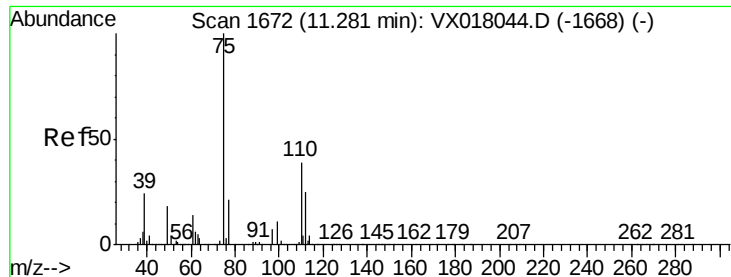
Tot Ion:117 Resp: 726629
Ion Ratio Lower Upper
117 100
82 57.9 44.2 66.2
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018062.D
Acq: 21 Aug 2020 16:31

Tgt Ion:152 Resp: 329782
Ion Ratio Lower Upper
152 100
115 58.7 41.5 124.5
150 153.6 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 25.495 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Instrument :

MSVOA_X

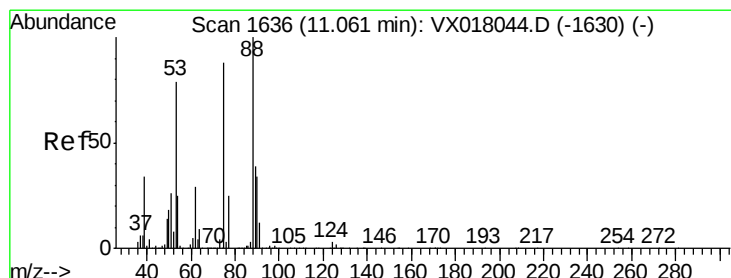
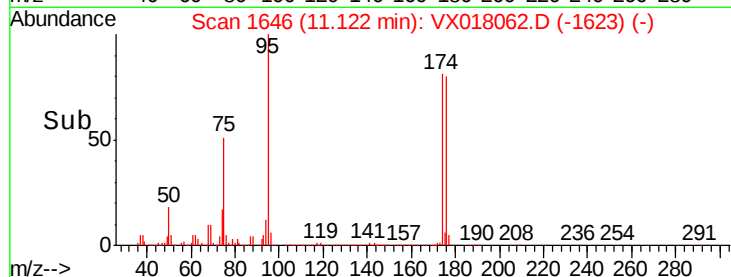
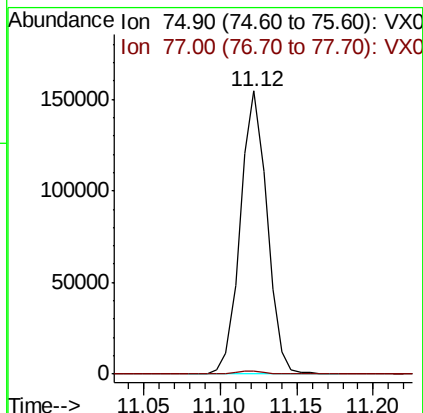
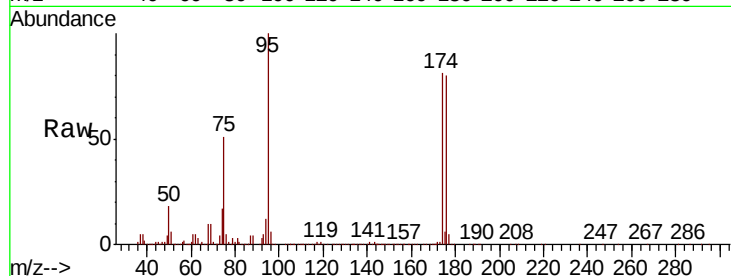
ClientSampleId :

Tot Ion: 75 Resp: 187031

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.856 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018062.D

Acq: 21 Aug 2020 16:31

Tgt Ion: 75 Resp: 187031

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.0 36.6 54.8#

