

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018451.D
 Acq On : 16 Sep 2020 19:29
 Operator : JC/SP
 Sample : L4021-05 20X
 Misc : 10.61g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B15A-5-7

Quant Time: Sep 17 04:25:05 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	446857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	718147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	344974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	323658	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	5.47	113	246191	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	8.70	98	886186	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.12	95	340165	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

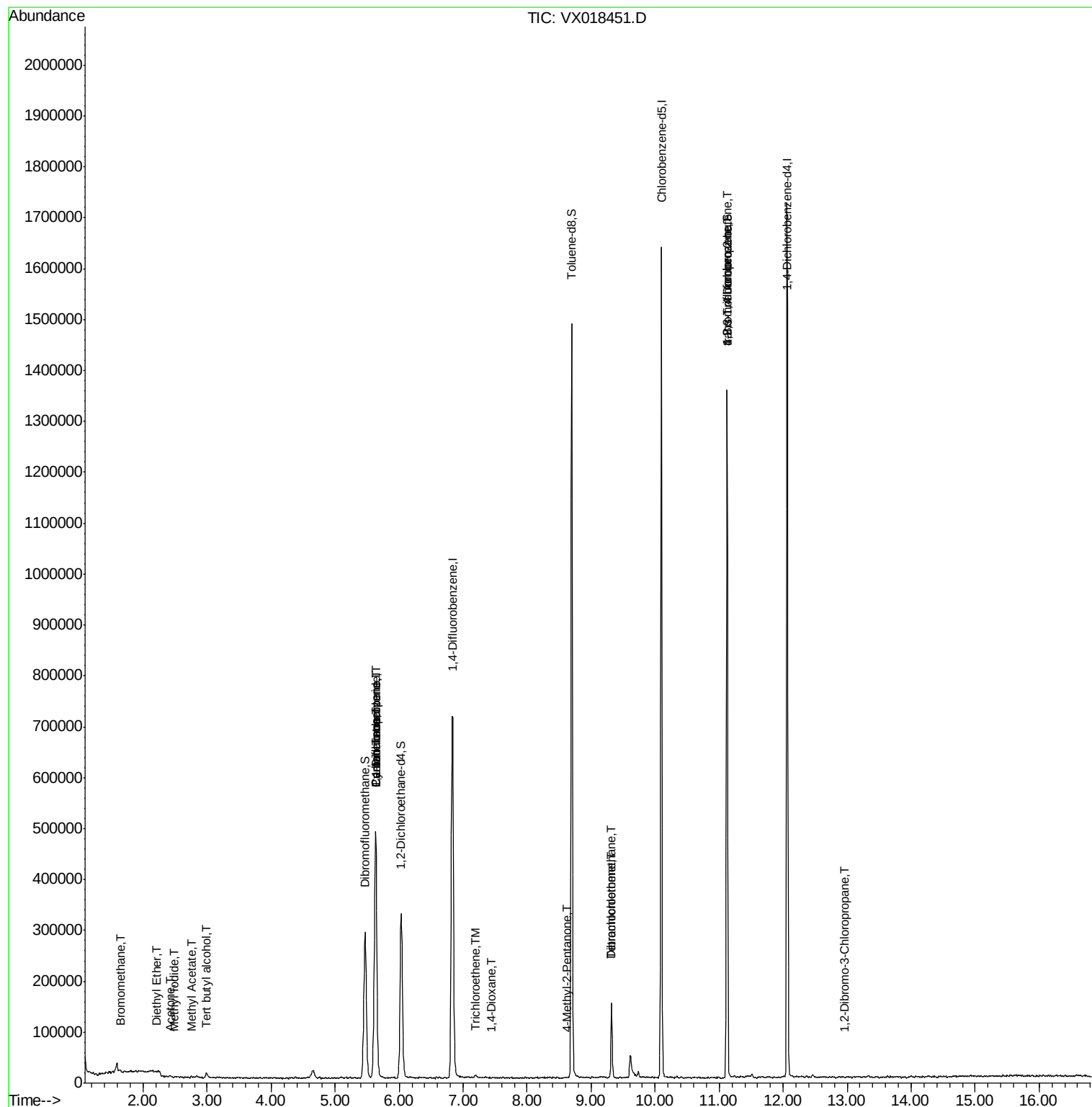
						Qvalue
5) Bromomethane	1.65	94	1017	0.369	ug/l #	78
8) Diethyl Ether	2.21	74	569	0.215	ug/l	58
10) Methyl Iodide	2.50	142	556	5.397	ug/l #	89
11) Tert butyl alcohol	3.00	59	6828	5.661	ug/l #	74
16) Acetone	2.42	43	2354	0.974	ug/l	100
18) Methyl Acetate	2.75	43	4281	0.734	ug/l #	83
20) Methylene Chloride	2.84	84	1826	Below Cal	#	83
31) Cyclohexane	5.63	56	9429	1.270	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	35590	5.373	ug/l #	42
38) Carbon Tetrachloride	5.64	117	46584	6.241	ug/l #	18
44) Trichloroethene	7.20	130	2142	0.389	ug/l	22
49) 1,4-Dioxane	7.44	88	231	2.062	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1648	0.215	ug/l	92
60) Dibromochloromethane	9.32	129	27253	4.414	ug/l #	11
64) Tetrachloroethene	9.32	164	27657	5.336	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	176894	23.051	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	176894	62.256	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	429	0.214	ug/l #	6

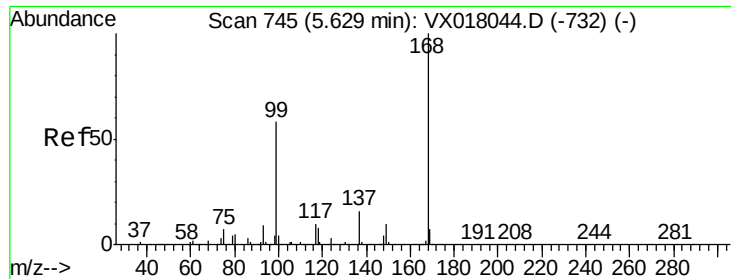
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 03:03:56 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampleId :

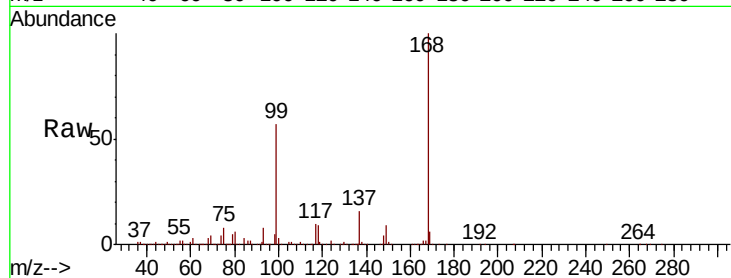
B15A-5-7

Tot Ion:168 Resp: 446857

Ion Ratio Lower Upper

168 100

99 57.4 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

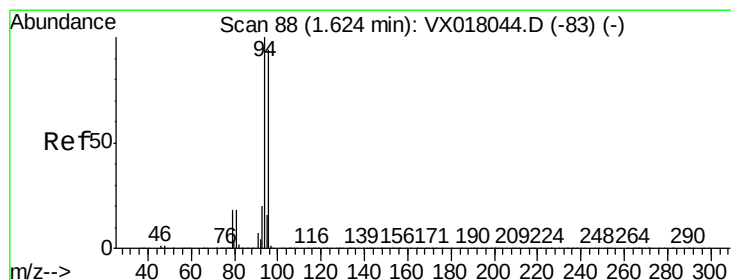
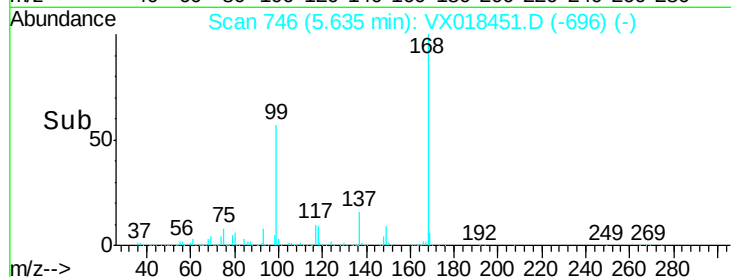
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.369 ug/l

RT: 1.65 min Scan# 93

Delta R.T. 0.03 min

Lab File: VX018451.D

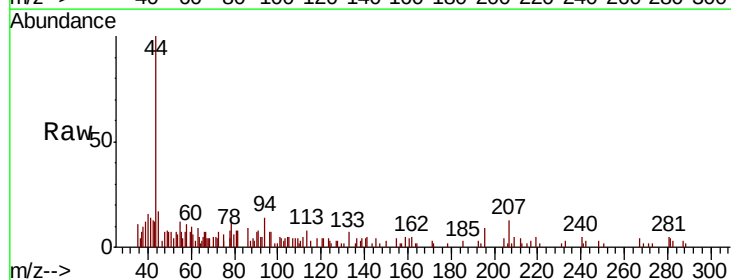
Acq: 16 Sep 2020 19:29

Tgt Ion: 94 Resp: 1017

Ion Ratio Lower Upper

94 100

96 72.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

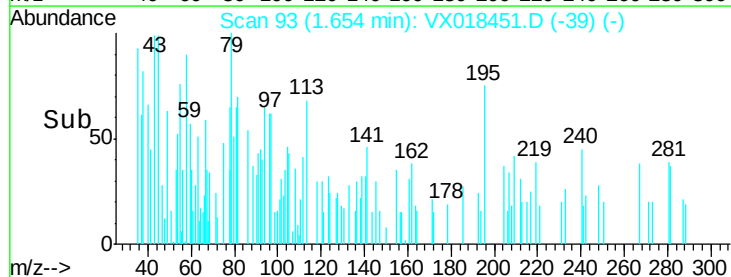
300

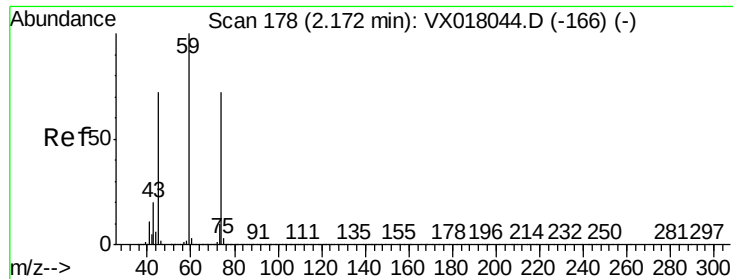
200

100

0

Time-->

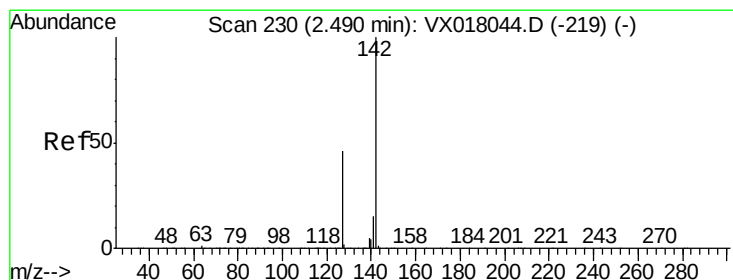
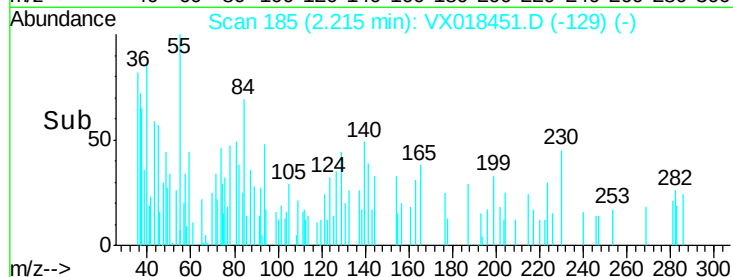
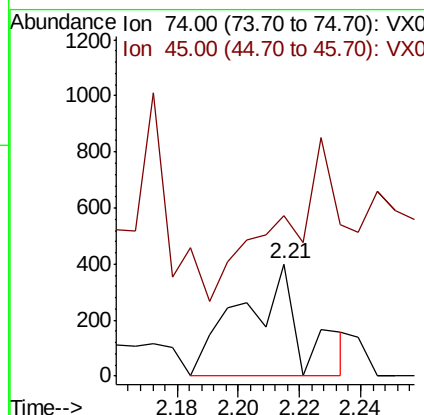
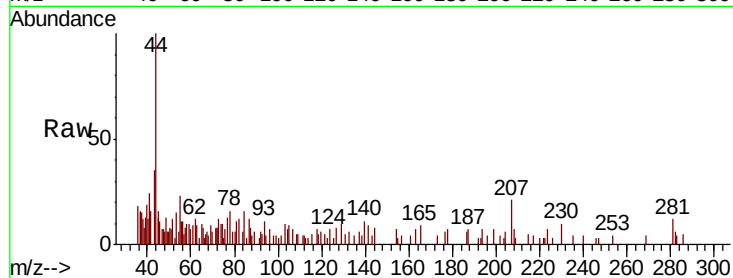




#8
Diethyl Ether
Concen: 0.215 ug/l
RT: 2.21 min Scan# 185
Delta R.T. 0.04 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

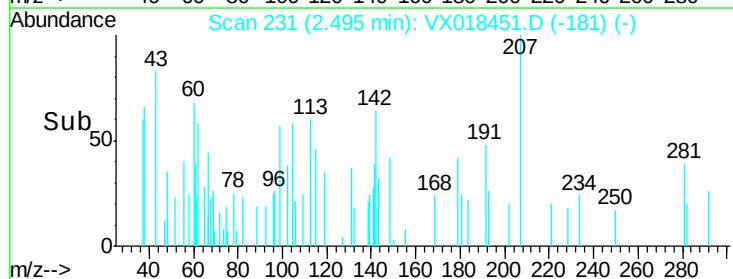
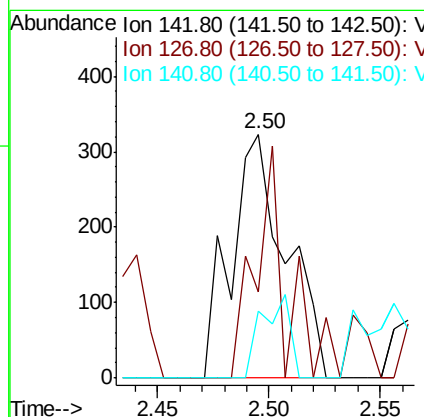
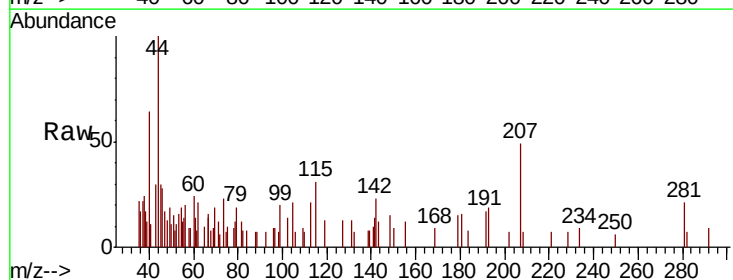
Instrument :
MSVOA_X
ClientSampleId :
B15A-5-7

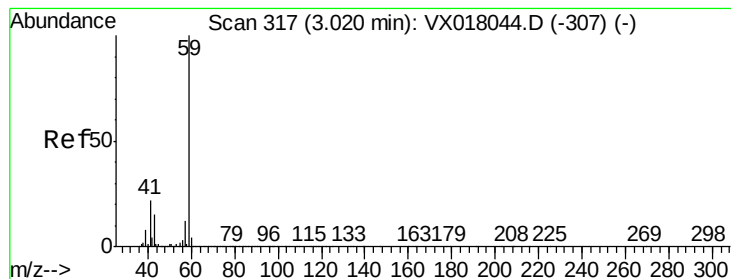
Tot Ion: 74 Resp: 569
Ion Ratio Lower Upper
74 100
45 143.8 50.7 152.3



#10
Methyl Iodide
Concen: 5.397 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Tgt Ion:142 Resp: 556
Ion Ratio Lower Upper
142 100
127 54.1 37.0 55.6
141 17.8 11.5 17.3#





#11

Tert butyl alcohol

Concen: 5.661 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampleId :

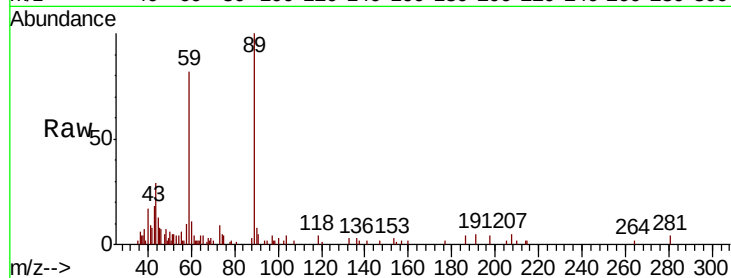
B15A-5-7

Tot Ion: 59 Resp: 6828

Ion Ratio Lower Upper

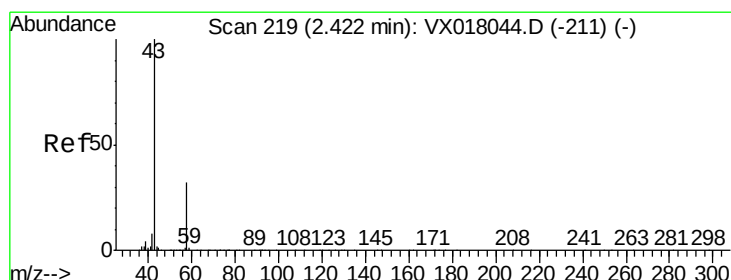
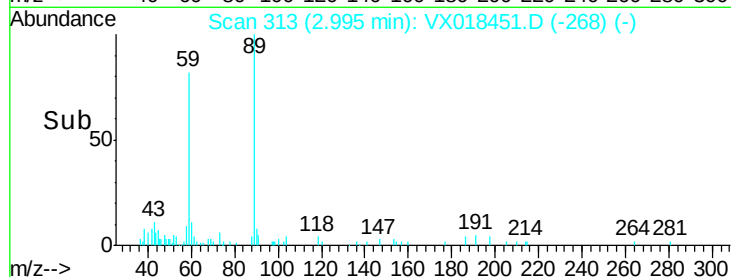
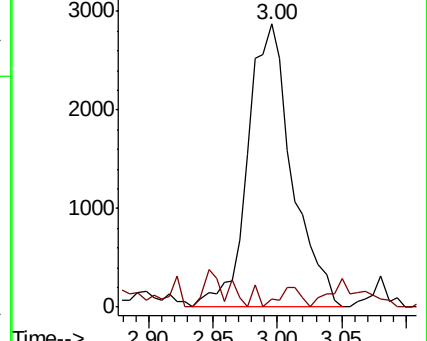
59 100

57 1.2 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 0.974 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018451.D

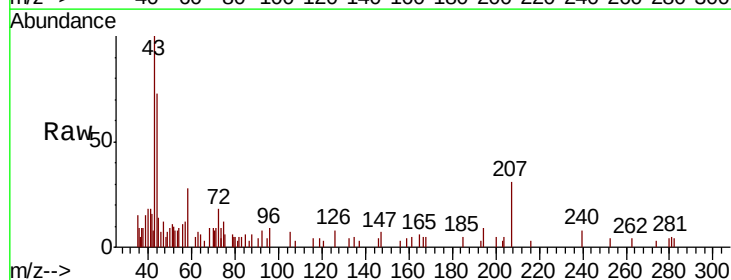
Acq: 16 Sep 2020 19:29

Tgt Ion: 43 Resp: 2354

Ion Ratio Lower Upper

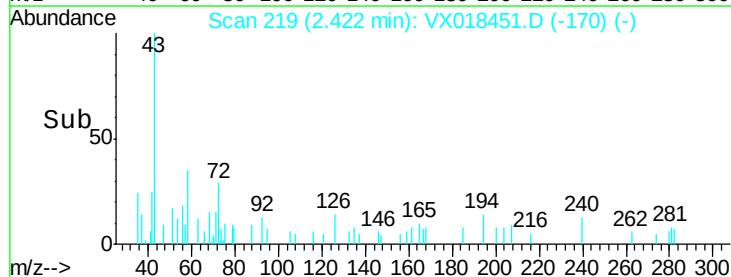
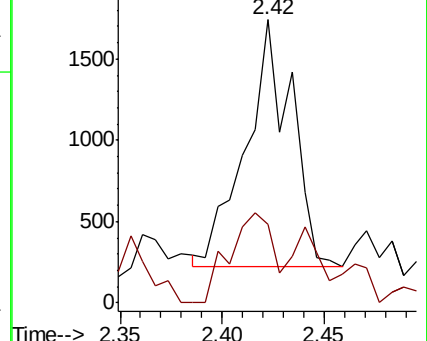
43 100

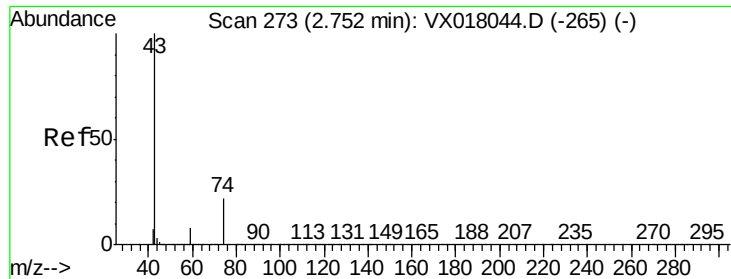
58 31.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

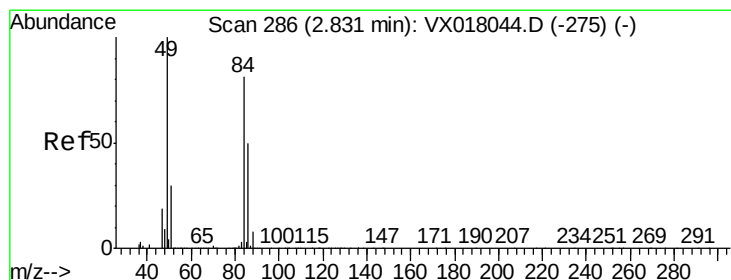
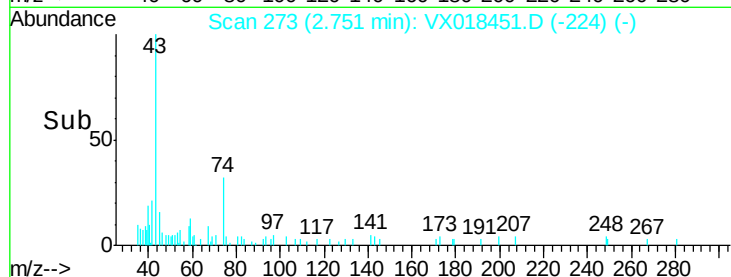
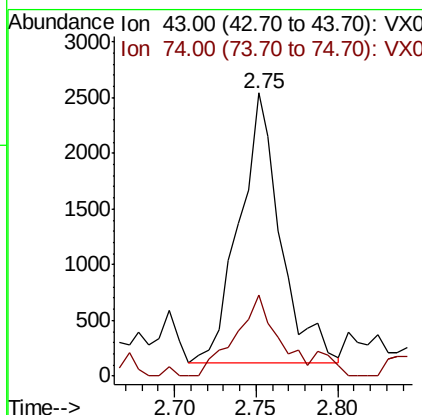
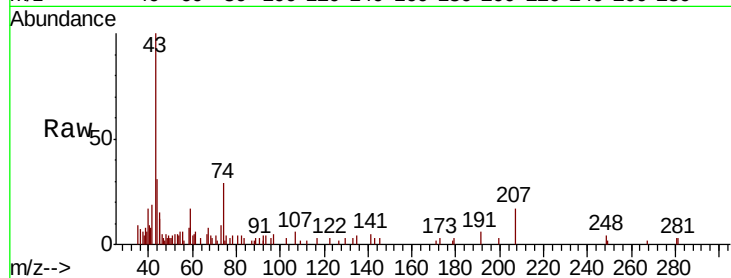




#18
Methyl Acetate
Concen: 0.734 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

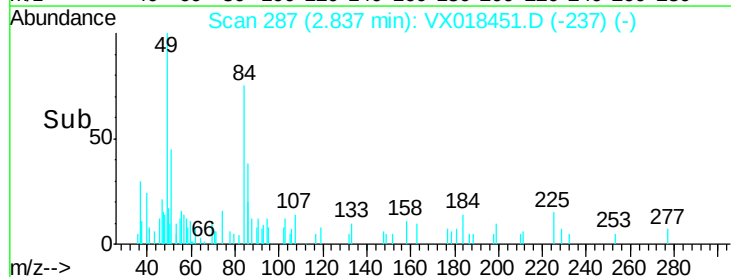
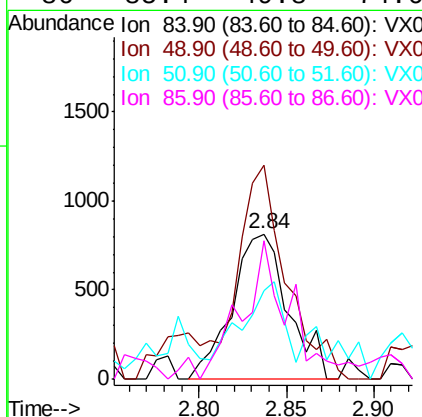
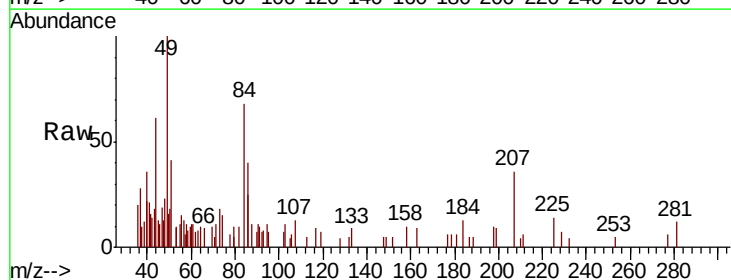
Instrument :
MSVOA_X
ClientSampled :
B15A-5-7

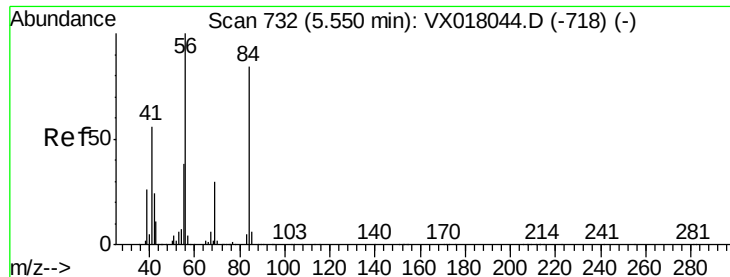
Tot Ion: 43 Resp: 4281
Ion Ratio Lower Upper
43 100
74 31.2 18.2 27.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Tgt Ion: 84 Resp: 1826
Ion Ratio Lower Upper
84 100
49 140.6 98.6 148.0
51 37.1 29.6 44.4
86 85.4 49.8 74.6#

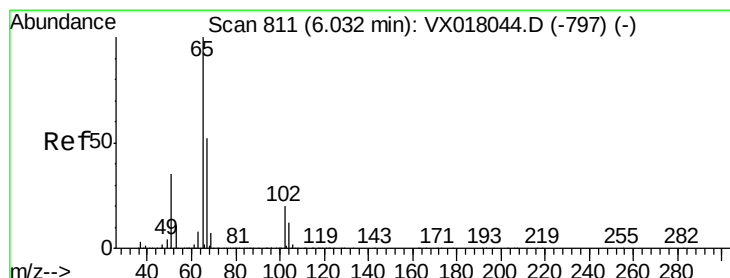
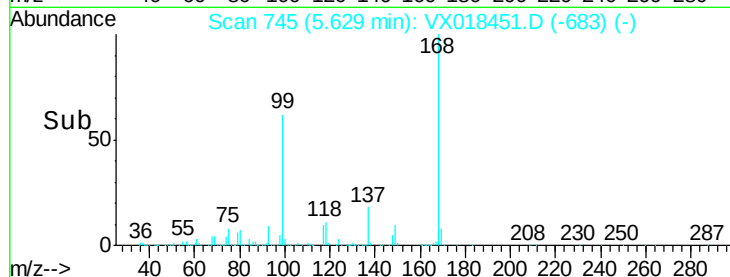
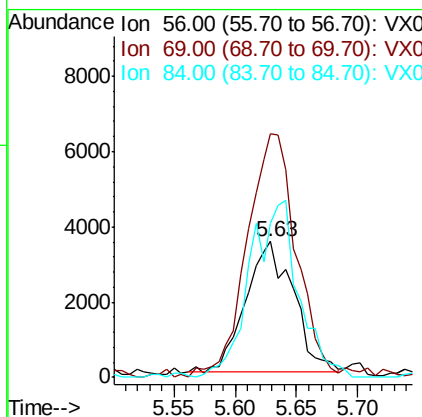
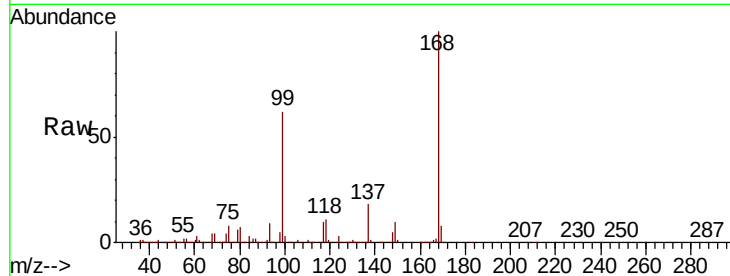




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

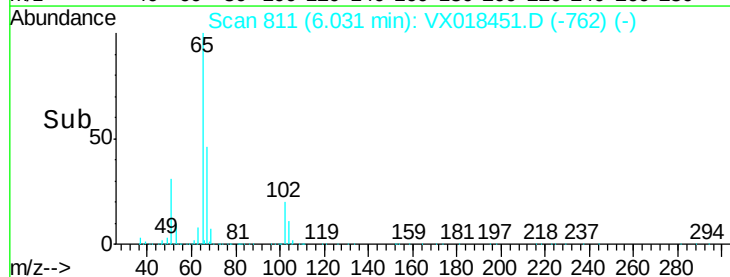
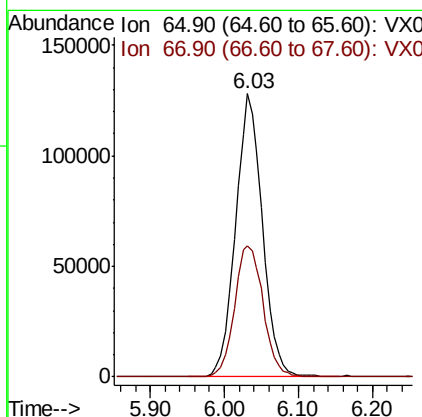
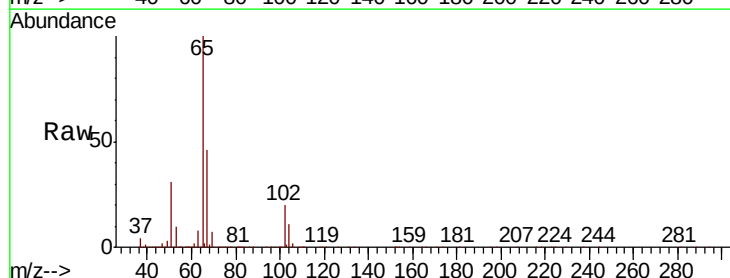
Instrument :
MSVOA_X
ClientSampleId :
B15A-5-7

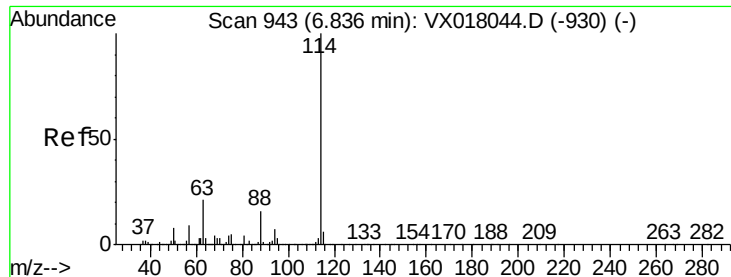
Tot Ion: 56 Resp: 9429
Ion Ratio Lower Upper
56 100
69 186.6 23.9 35.9#
84 116.4 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 52.173 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Tgt Ion: 65 Resp: 323658
Ion Ratio Lower Upper
65 100
67 49.4 0.0 105.8

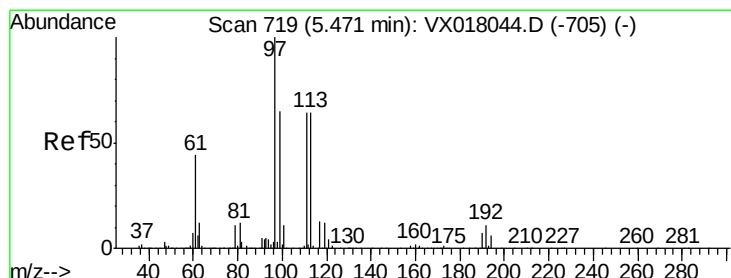
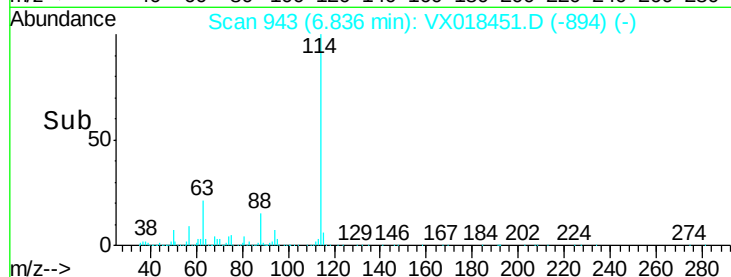
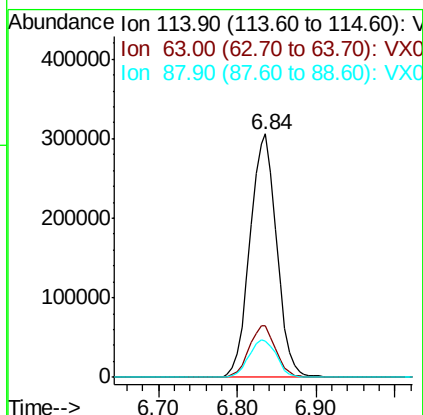
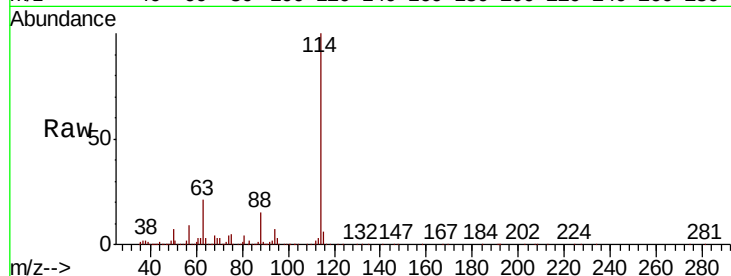




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. -0.00 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

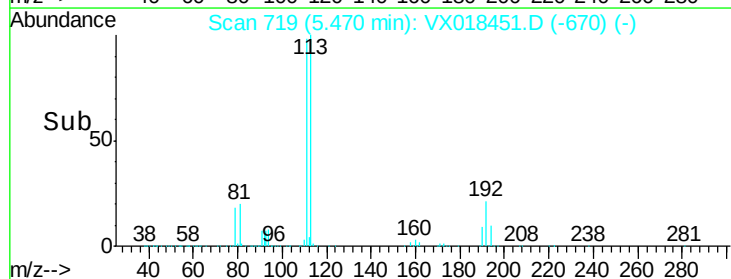
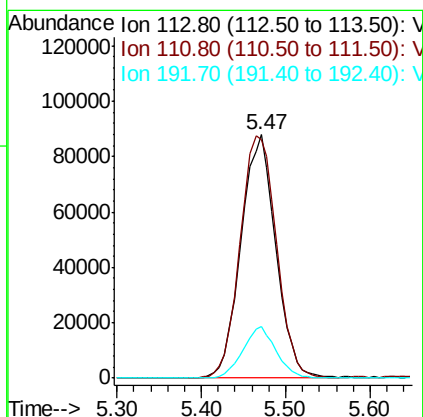
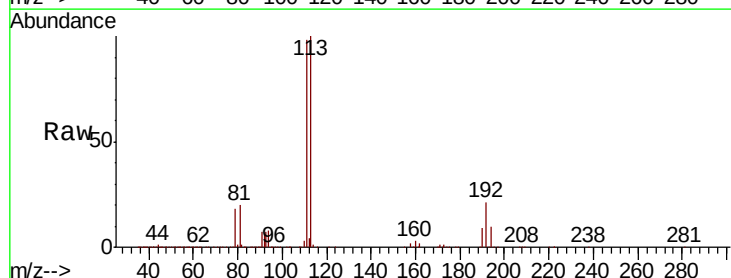
Instrument :
MSVOA_X
ClientSampleId :
B15A-5-7

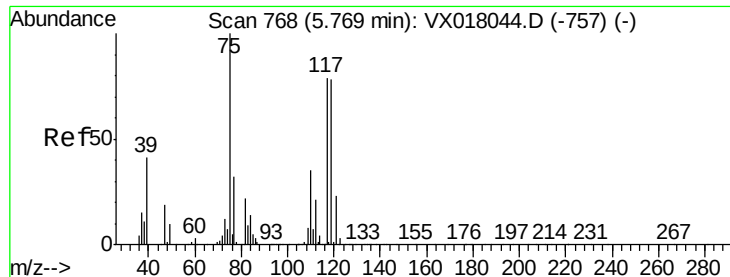
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.6
88	14.7	0.0	31.8



#35
Dibromofluoromethane
Concen: 50.336 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.6	122.4
192	20.2	15.8	23.8





#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampleId :

B15A-5-7

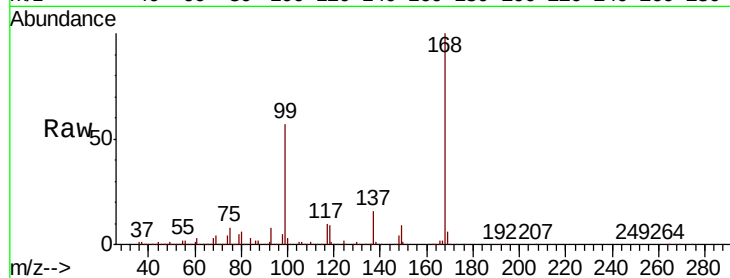
Tot Ion: 75 Resp: 35590

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

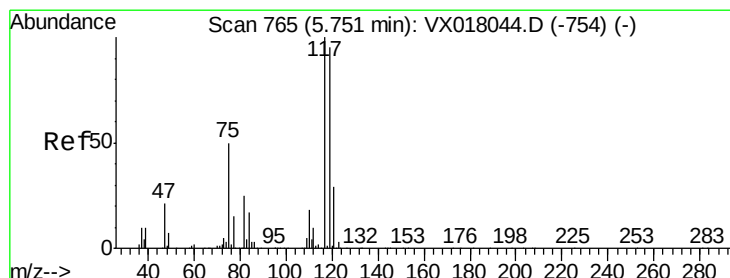
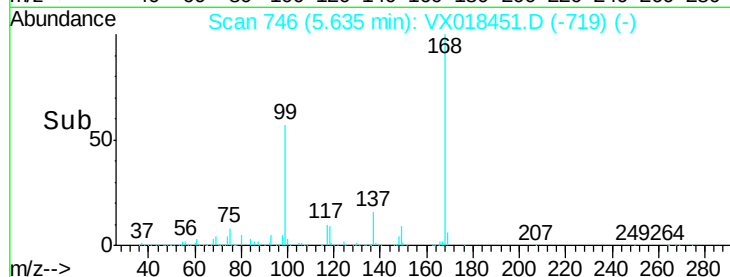
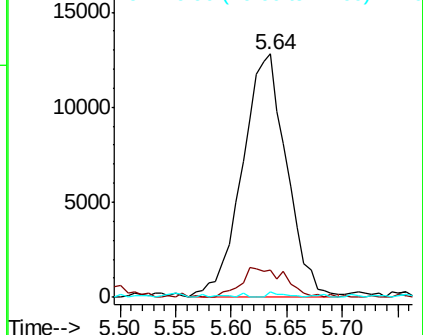
77 0.8 24.4 36.6#



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: 6.241 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

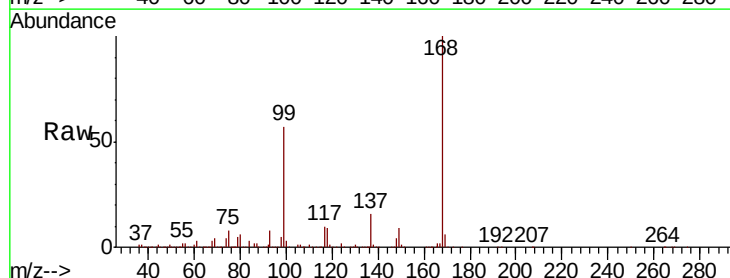
Tgt Ion: 117 Resp: 46584

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

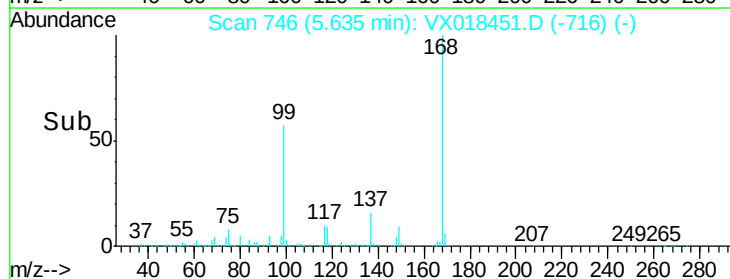
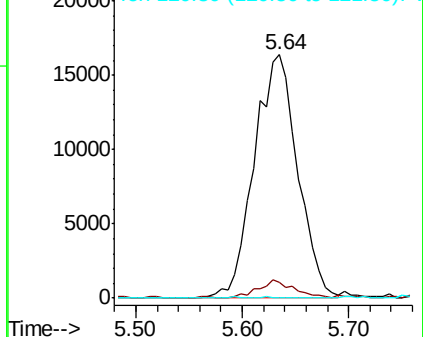
121 0.5 23.4 35.0#

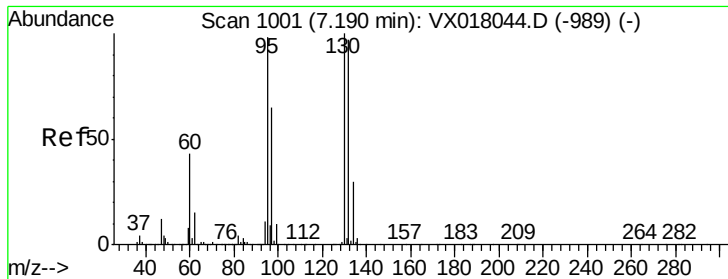


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.389 ug/l

RT: 7.20 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampled :

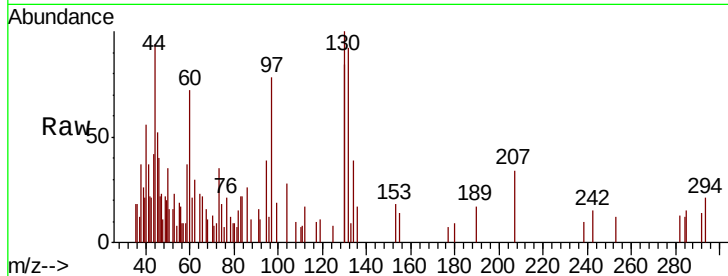
B15A-5-7

Tot Ion:130 Resp: 2142

Ion Ratio Lower Upper

130 100

95 21.0 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

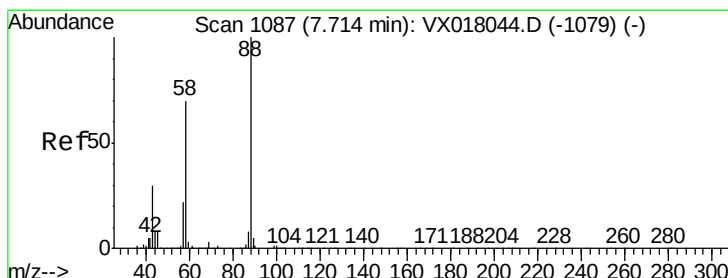
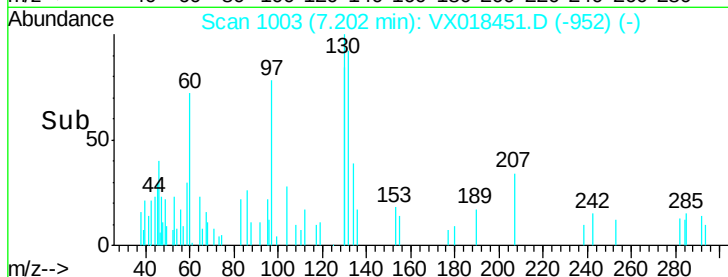
1500

1000

500

0

Time-->



#49

1,4-Dioxane

Concen: 2.062 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.27 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

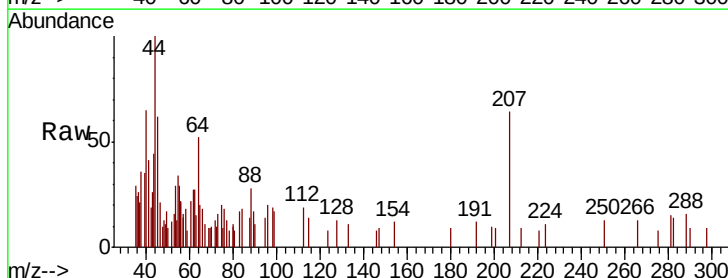
Tgt Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 33.8 27.4 41.0

58 75.3 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

800

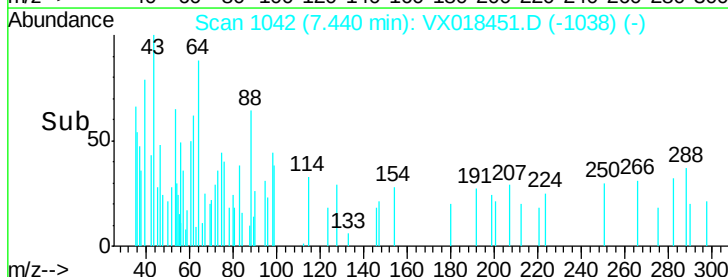
600

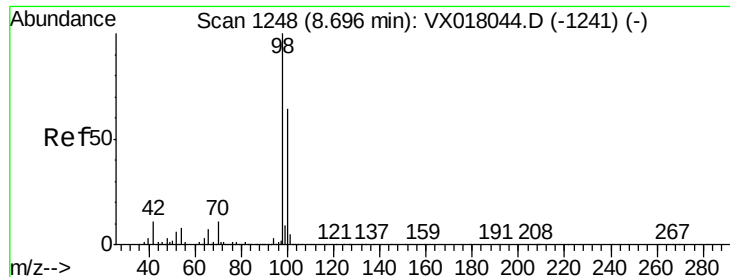
400

200

0

Time-->





#50

Toluene-d8

Concen: 48.647 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampleId :

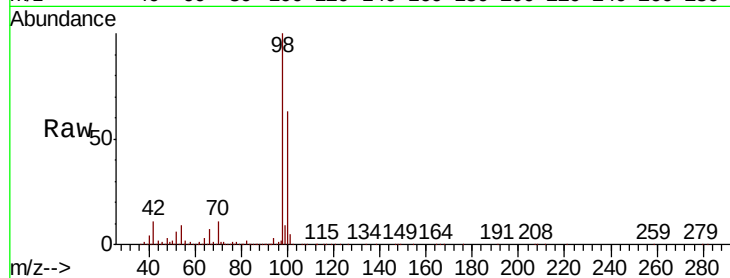
B15A-5-7

Tot Ion: 98 Resp: 886186

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

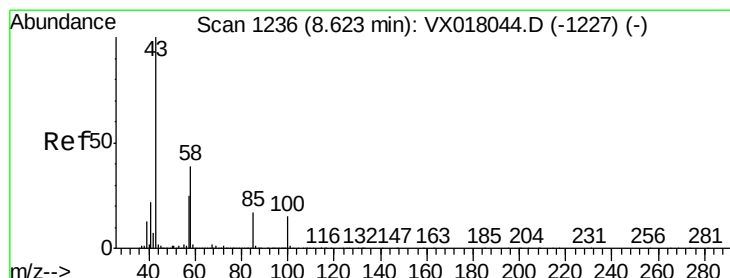
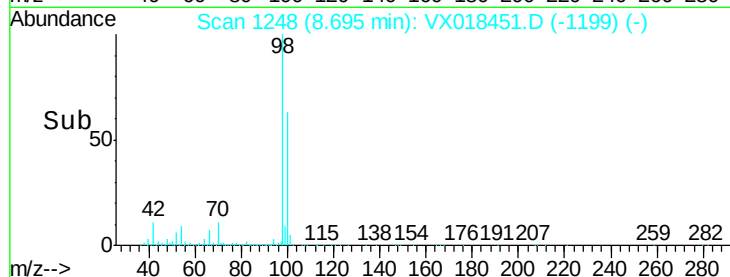
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX018451.D

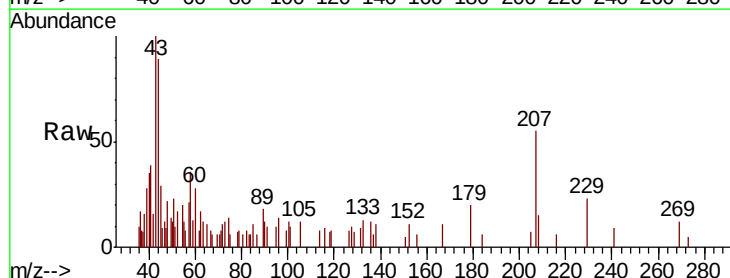
Acq: 16 Sep 2020 19:29

Tgt Ion: 43 Resp: 1648

Ion Ratio Lower Upper

43 100

58 33.3 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

5000

4000

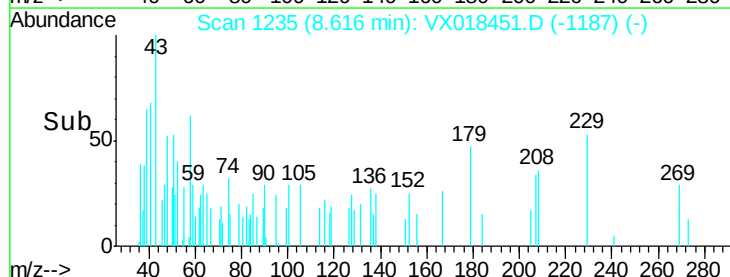
3000

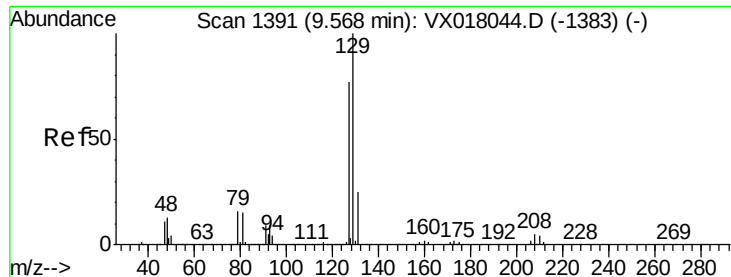
2000

1000

0

Time-->





#60

Dibromochloromethane

Concen: 4.414 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampled :

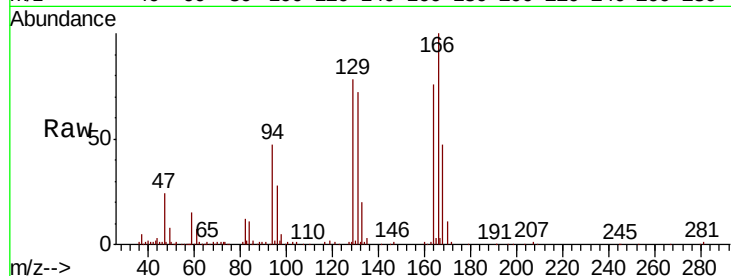
B15A-5-7

Tot Ion:129 Resp: 27253

Ion Ratio Lower Upper

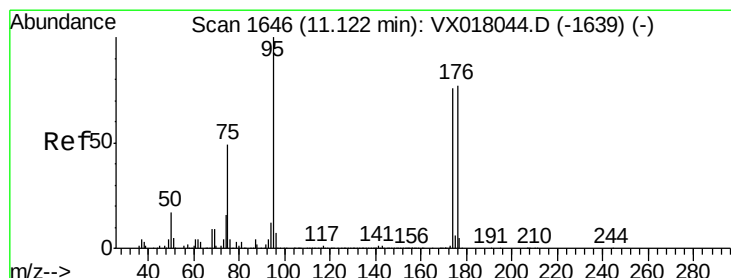
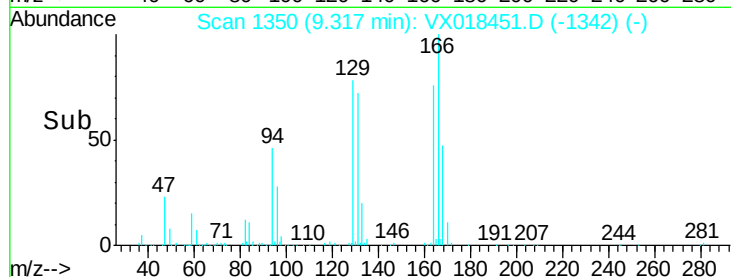
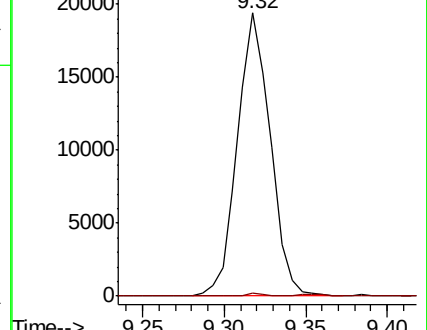
129 100

127 0.4 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.462 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

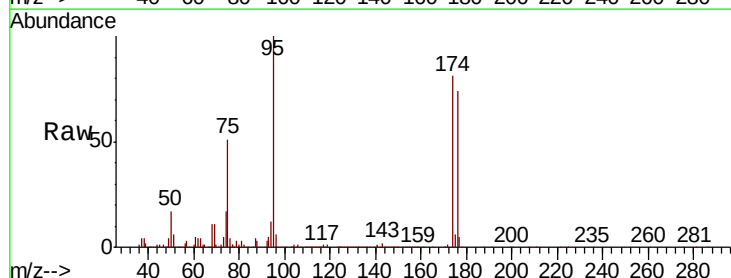
Tgt Ion: 95 Resp: 340165

Ion Ratio Lower Upper

95 100

174 84.3 0.0 160.2

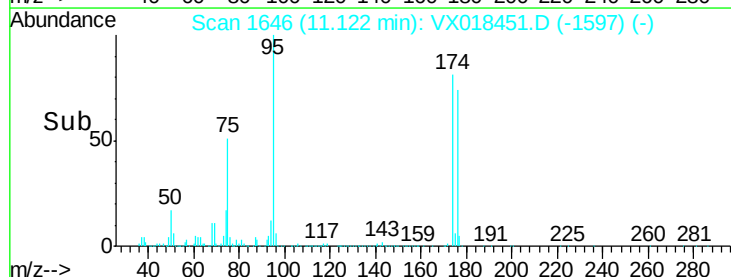
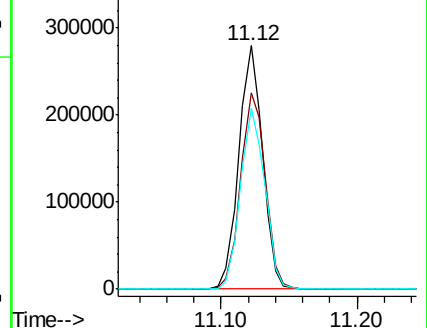
176 76.4 0.0 155.8

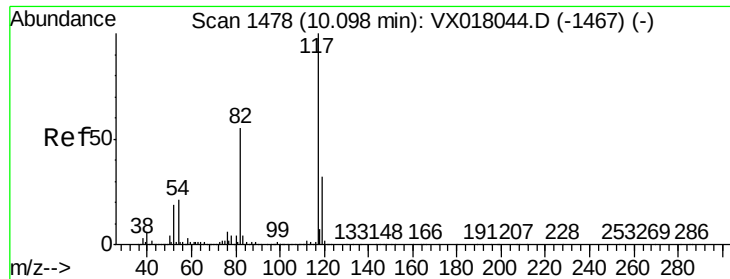


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

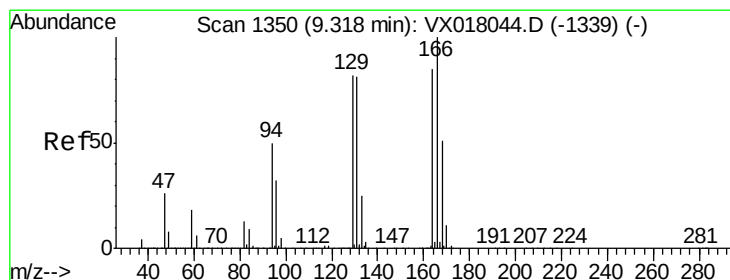
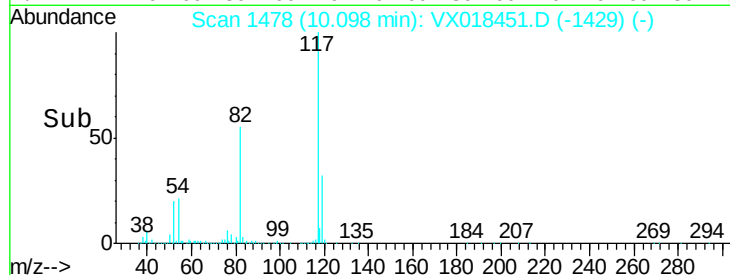
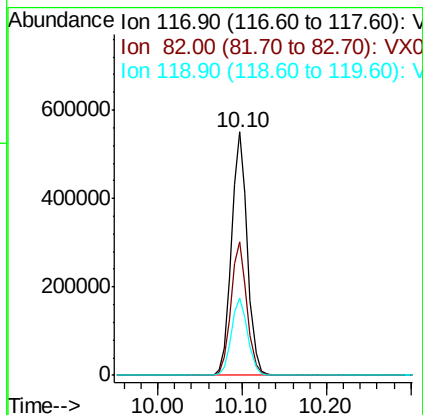
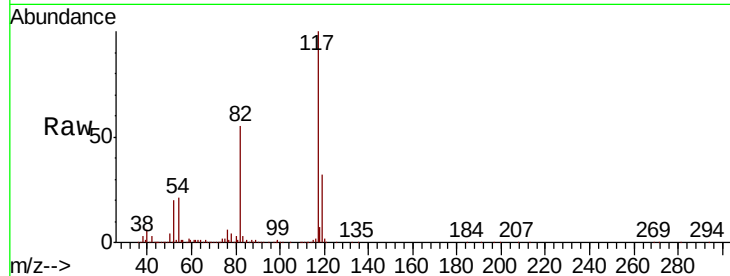




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

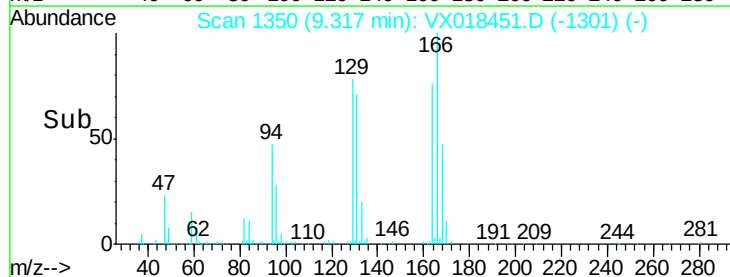
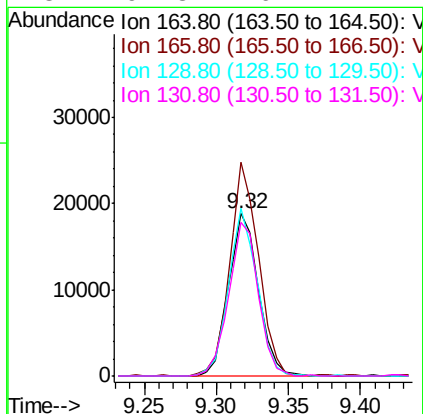
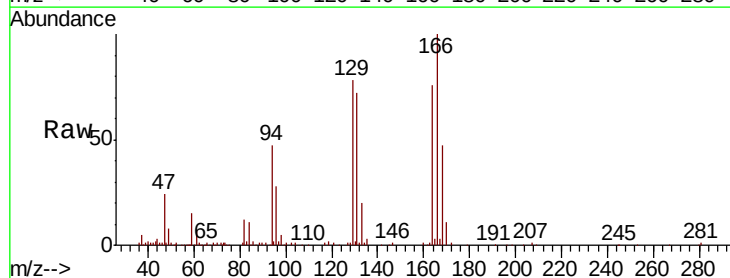
Instrument :
MSVOA_X
ClientSampleId :
B15A-5-7

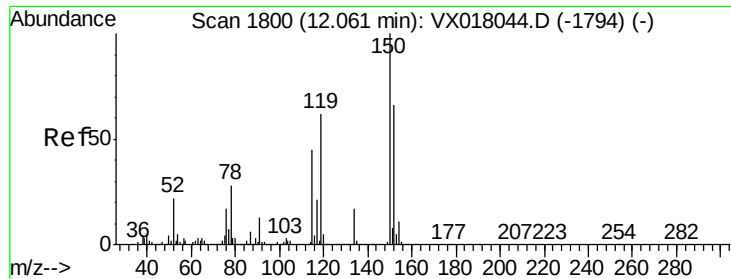
Tot Ion:117 Resp: 705333
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 5.336 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Tgt Ion:164 Resp: 27657
Ion Ratio Lower Upper
164 100
166 131.7 94.2 141.2
129 102.7 76.9 115.3
131 94.3 76.1 114.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018451.D

Acq: 16 Sep 2020 19:29

Instrument :

MSVOA_X

ClientSampleId :

B15A-5-7

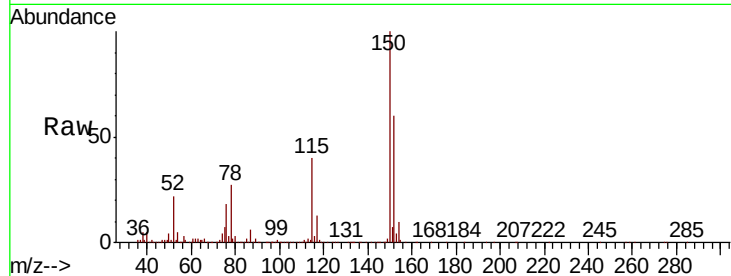
Tot Ion:152 Resp: 344974

Ion Ratio Lower Upper

152 100

115 61.4 41.5 124.5

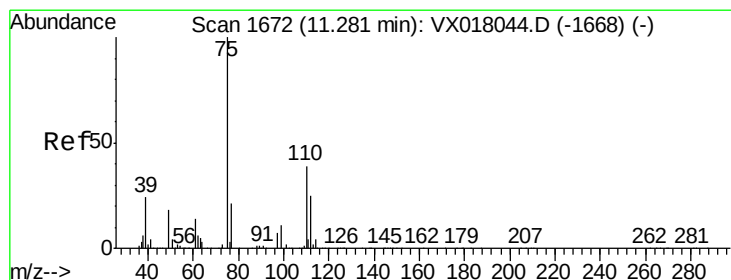
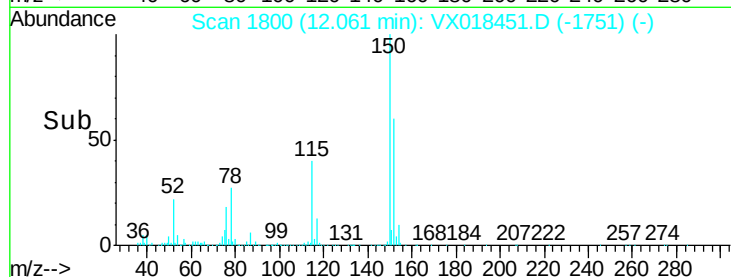
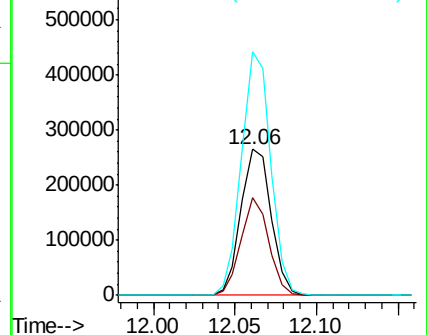
150 161.2 0.0 343.8



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: 23.051 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018451.D

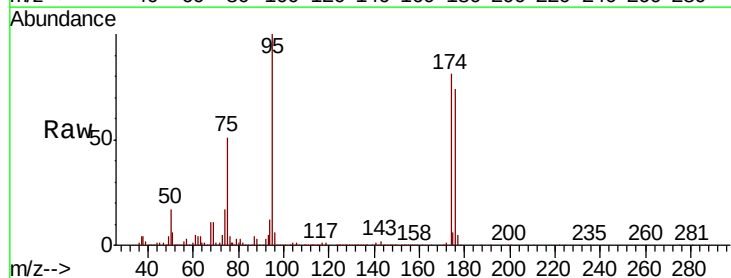
Acq: 16 Sep 2020 19:29

Tgt Ion: 75 Resp: 176894

Ion Ratio Lower Upper

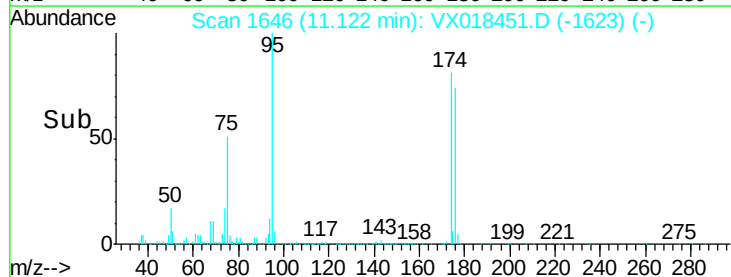
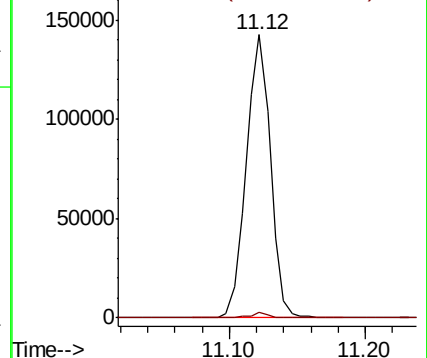
75 100

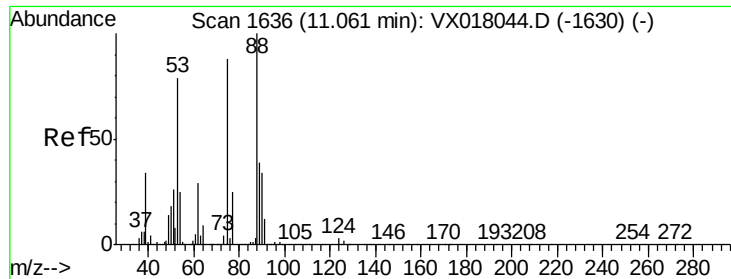
77 1.5 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

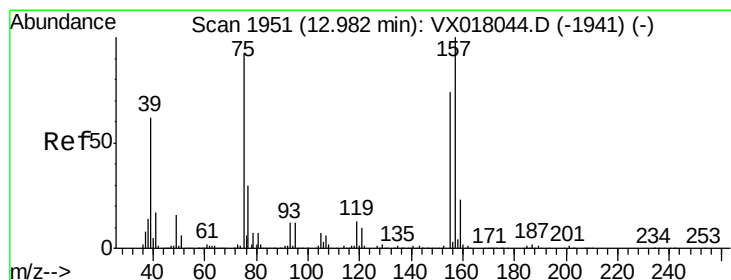
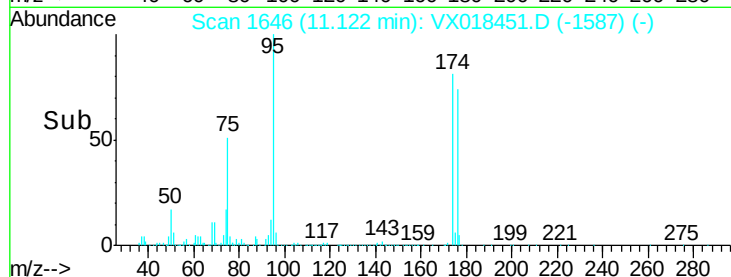
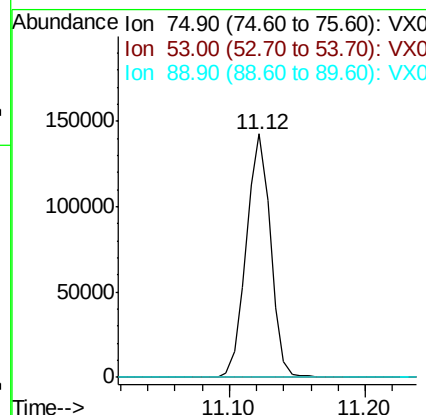
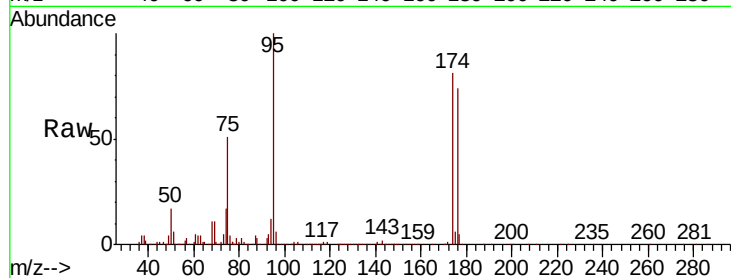




#81
trans-1,4-Dichloro-2-butene
Concen: 62.256 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Instrument :
MSVOA_X
ClientSampleId :
B15A-5-7

Tot Ion: 75 Resp: 176894
Ion Ratio Lower Upper
75 100
53 0.3 74.7 112.1#
89 0.1 36.6 54.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.214 ug/l
RT: 12.97 min Scan# 1949
Delta R.T. -0.01 min
Lab File: VX018451.D
Acq: 16 Sep 2020 19:29

Tgt Ion: 75 Resp: 429
Ion Ratio Lower Upper
75 100
155 10.5 40.2 120.6#
157 0.0 55.0 165.2#

