

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082620\
 Data File : VX018079.D
 Acq On : 26 Aug 2020 15:56
 Operator : JC/SP
 Sample : L3784-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-11

Quant Time: Aug 27 04:05:21 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	5.63	168	459370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	741225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	720975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	334462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	322621	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	5.47	113	251459	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.70	98	929936	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.12	95	340768	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	

Target Compounds

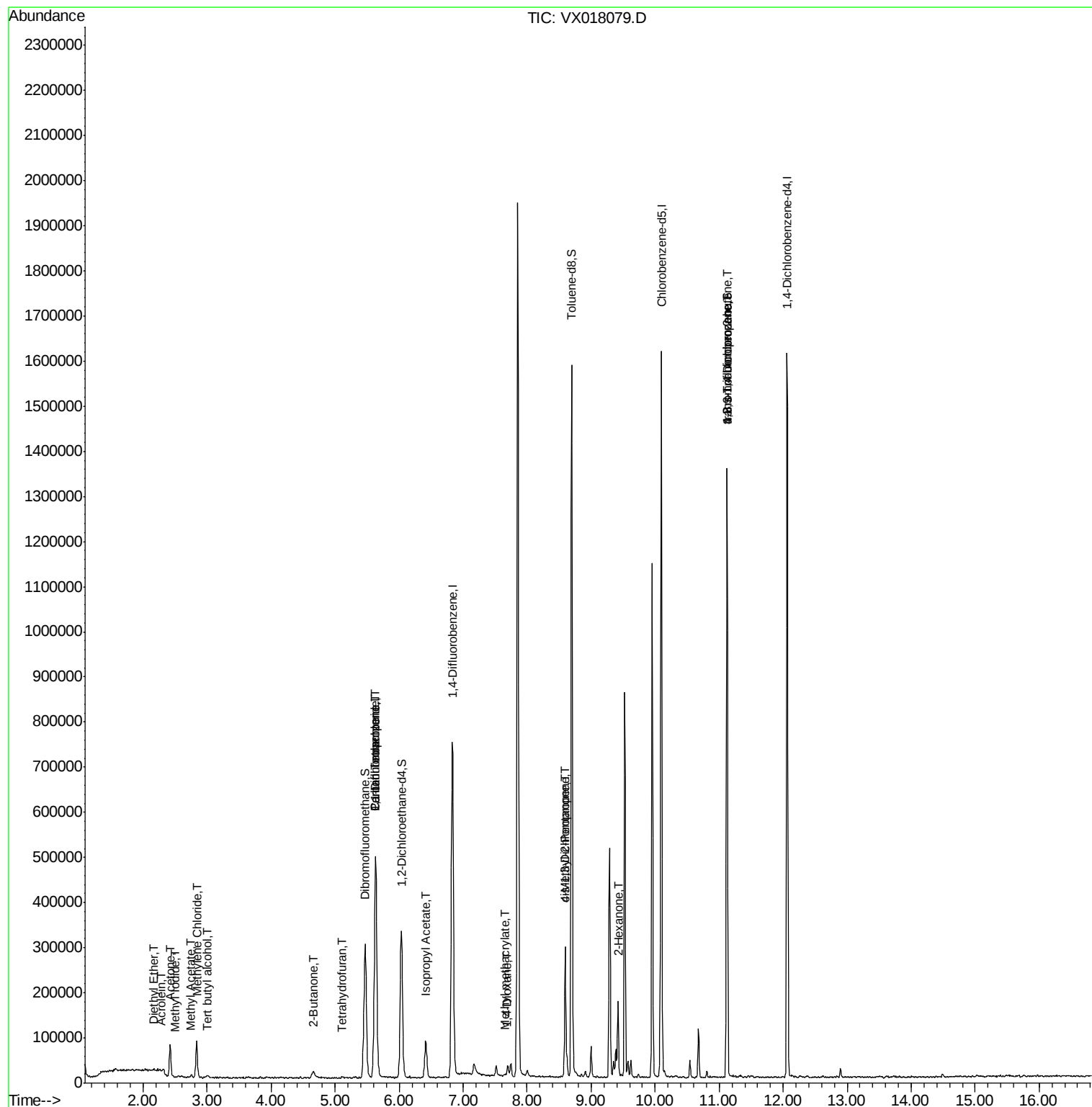
						Qvalue
8) Diethyl Ether	2.17	74	1235	0.455	ug/l	97
10) Methyl Iodide	2.50	142	167	5.319	ug/l #	1
11) Tert butyl alcohol	3.00	59	2376	1.916	ug/l #	33
13) Acrolein	2.29	56	285	0.554	ug/l	86
16) Acetone	2.42	43	72717	29.263	ug/l	95
18) Methyl Acetate	2.75	43	9573	1.596	ug/l	96
20) Methylene Chloride	2.84	84	37947	6.451	ug/l	92
25) 2-Butanone	4.65	43	12888	3.156	ug/l	95
29) Tetrahydrofuran	5.10	42	791	0.304	ug/l #	31
36) 1,1-Dichloropropene	5.63	75	34539	5.052	ug/l #	54
38) Carbon Tetrachloride	5.63	117	47394	6.151	ug/l #	16
43) Isopropyl Acetate	6.42	43	110128	8.587	ug/l	98
48) Methyl methacrylate	7.65	41	6742	1.056	ug/l #	16
49) 1,4-Dioxane	7.68	88	446	3.856	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	109945	13.878	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	45601	5.109	ug/l #	62
59) 2-Hexanone	9.42	43	103232	17.137	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	174376	23.437	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	174376	63.299	ug/l #	12

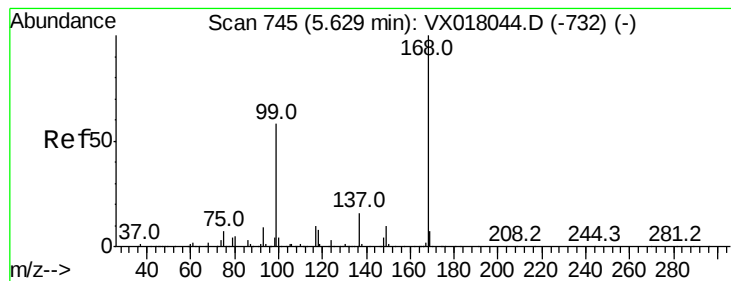
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

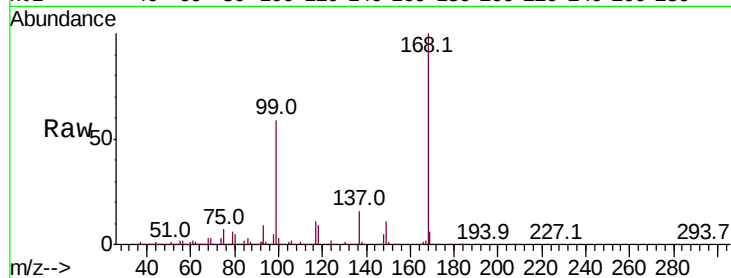
RO-11

Tot Ion:168 Resp: 459370

Ion Ratio Lower Upper

168 100

99 59.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

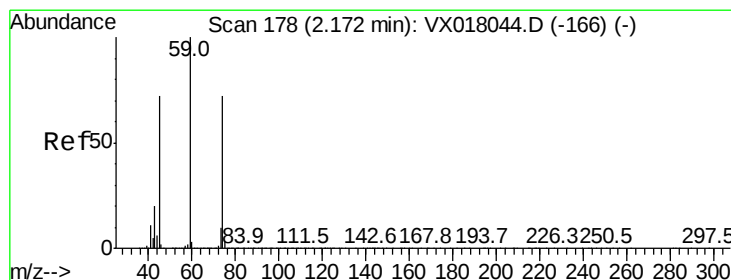
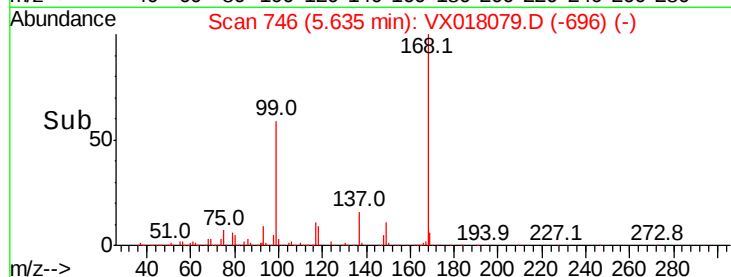
100000

50000

0

Time-->

5.50 5.60 5.70



#8

Diethyl Ether

Concen: 0.455 ug/l

RT: 2.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VX018079.D

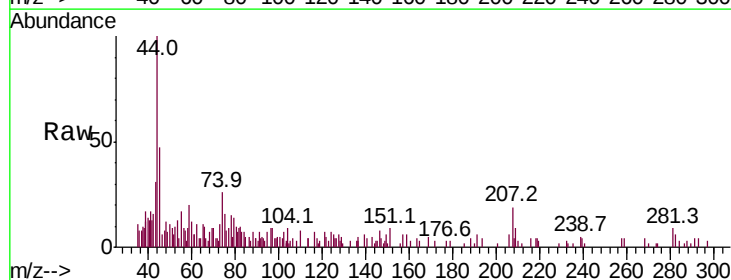
Acq: 26 Aug 2020 15:56

Tgt Ion: 74 Resp: 1235

Ion Ratio Lower Upper

74 100

45 104.6 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

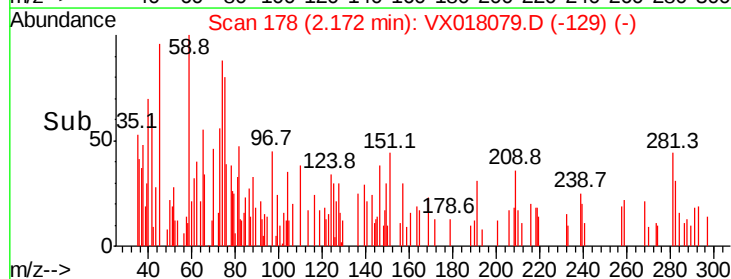
1000

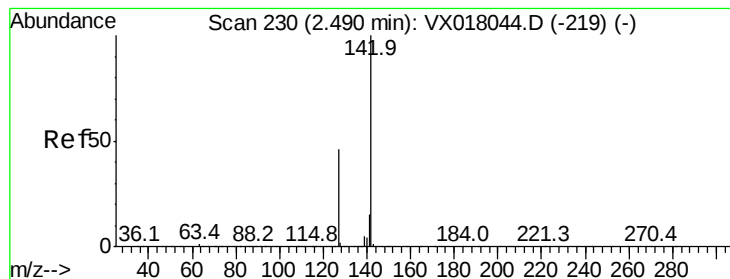
500

0

Time-->

2.10 2.15 2.20





#10

Methyl Iodide

Concen: 5.319 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :
MSVOA_X
ClientSampled :
RO-11

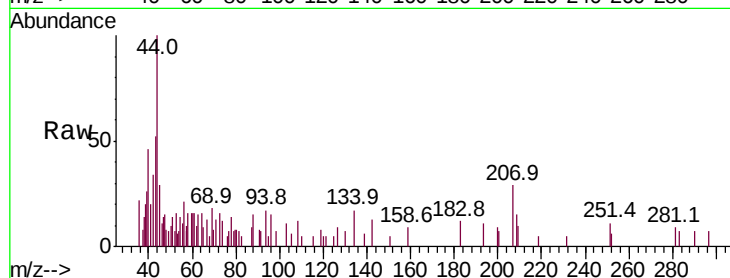
Tot Ion:142 Resp: 167

Ion Ratio Lower Upper

142 100

127 194.0 37.0 55.6#

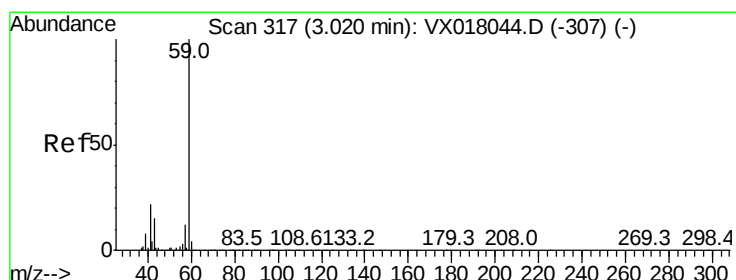
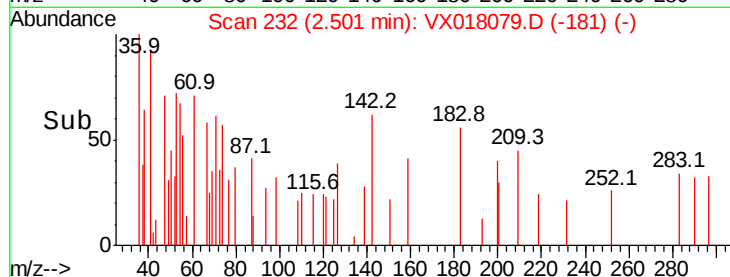
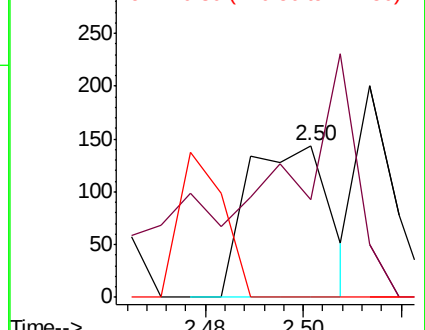
141 0.0 11.5 17.3#



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



#11

Tert butyl alcohol

Concen: 1.916 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX018079.D

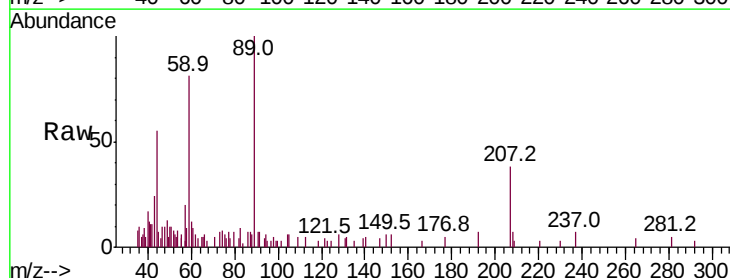
Acq: 26 Aug 2020 15:56

Tgt Ion: 59 Resp: 2376

Ion Ratio Lower Upper

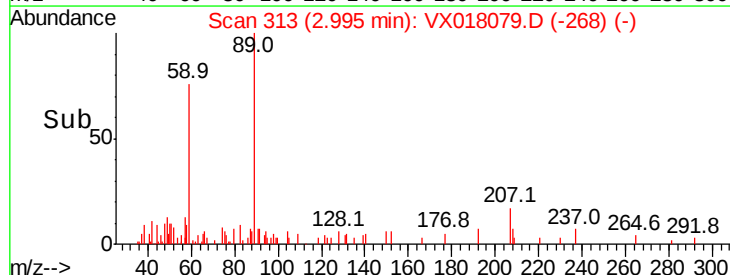
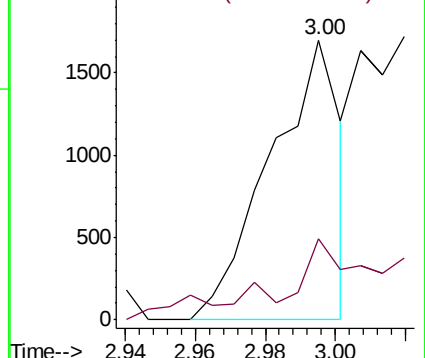
59 100

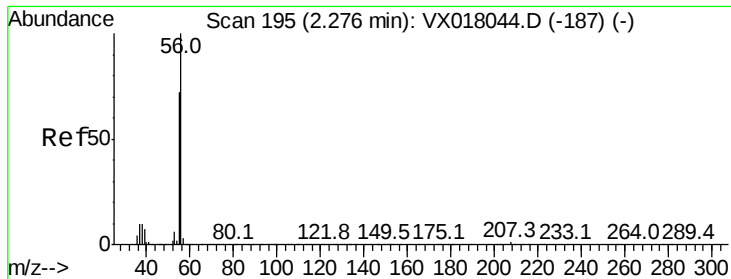
57 36.7 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

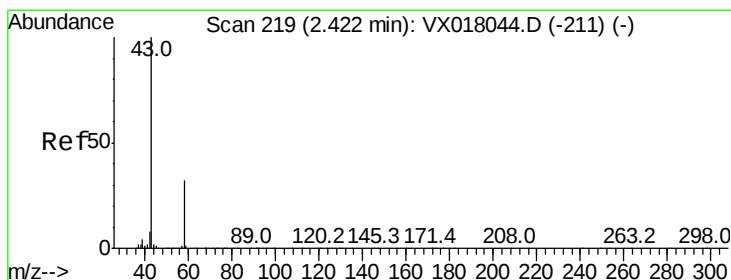
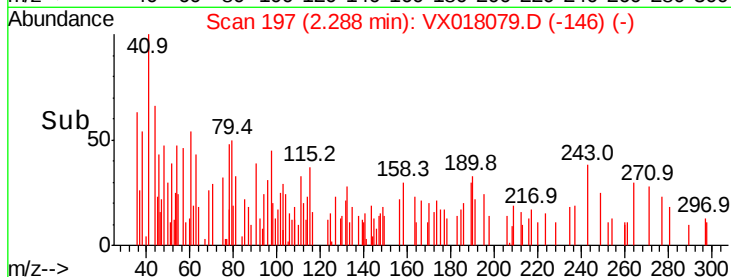
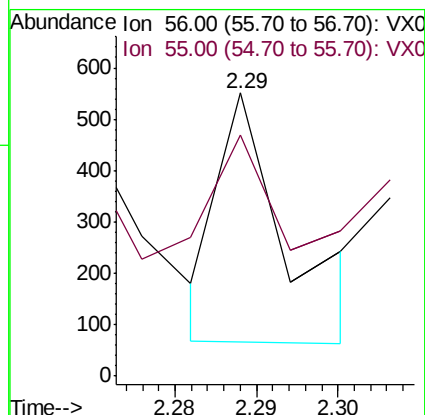
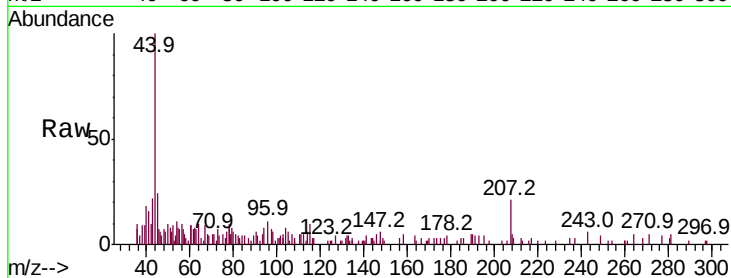




#13
Acrolein
Concen: 0.554 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

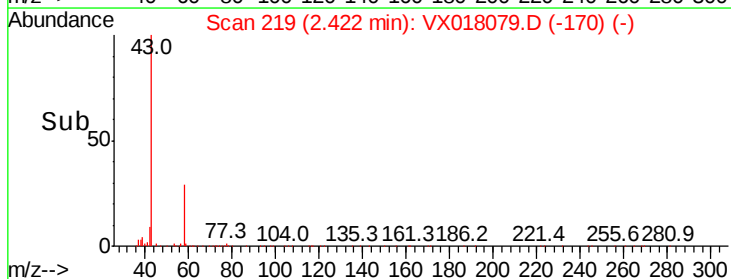
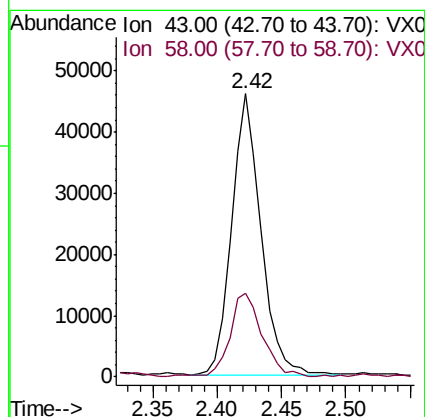
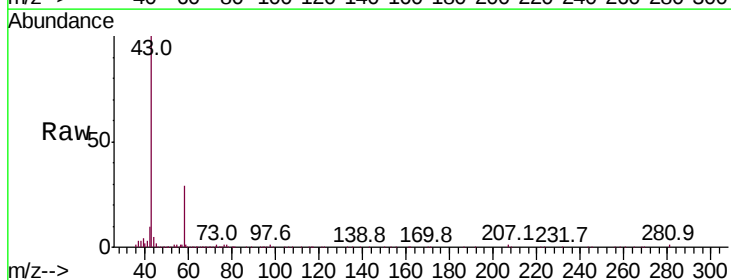
Instrument :
MSVOA_X
ClientSampled :
RO-11

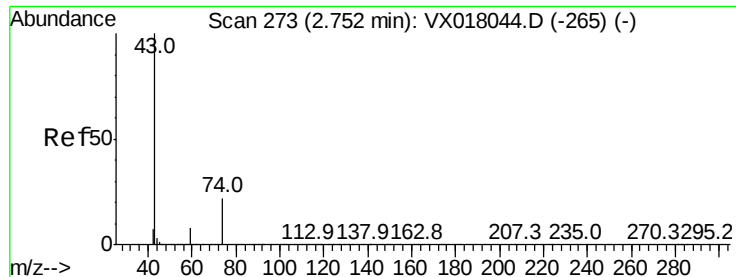
Tot Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 59.6 57.0 85.6



#16
Acetone
Concen: 29.263 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

Tgt Ion: 43 Resp: 72717
Ion Ratio Lower Upper
43 100
58 29.1 25.5 38.3

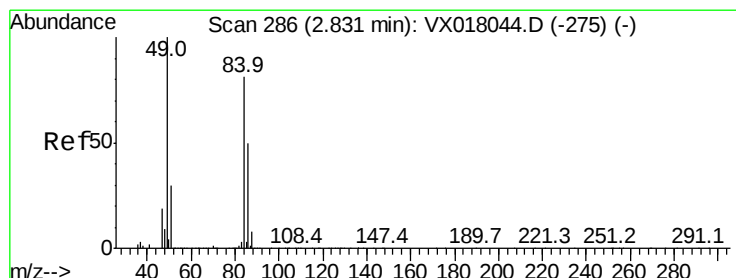
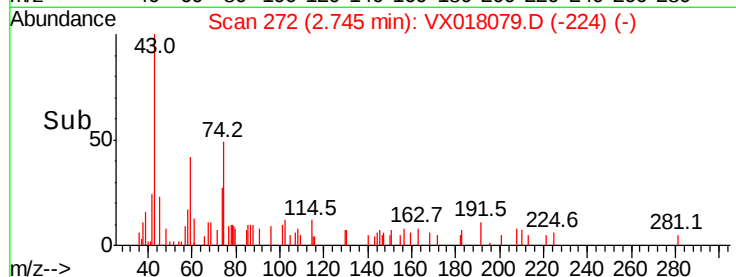
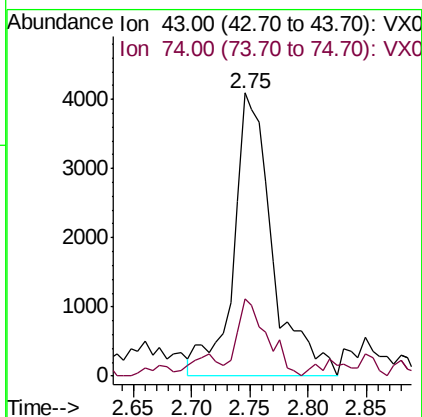
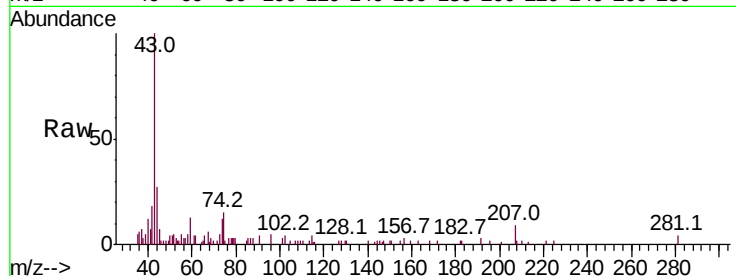




#18
Methvl Acetate
Concen: 1.596 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

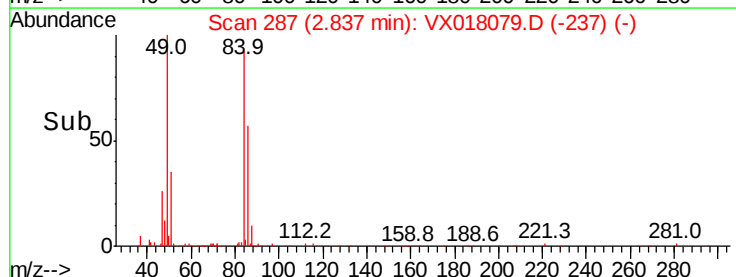
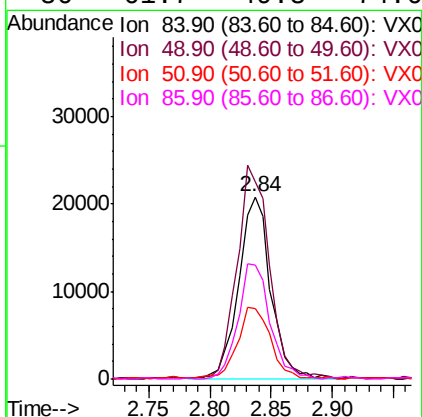
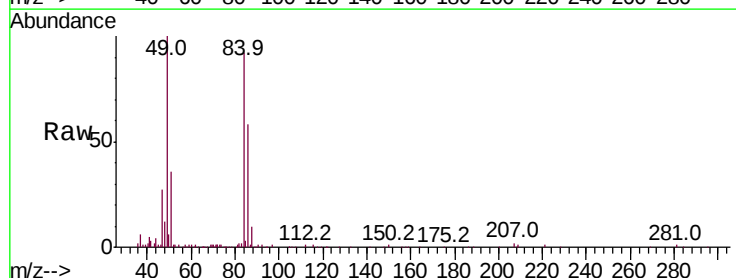
Instrument :
MSVOA_X
ClientSampleId :
RO-11

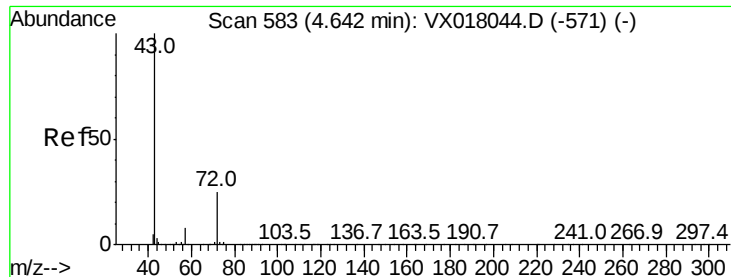
Tot Ion: 43 Resp: 9573
Ion Ratio Lower Upper
43 100
74 20.8 18.2 27.4



#20
Methylene Chloride
Concen: 6.451 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

Tgt Ion: 84 Resp: 37947
Ion Ratio Lower Upper
84 100
49 107.9 98.6 148.0
51 38.2 29.6 44.4
86 61.7 49.8 74.6

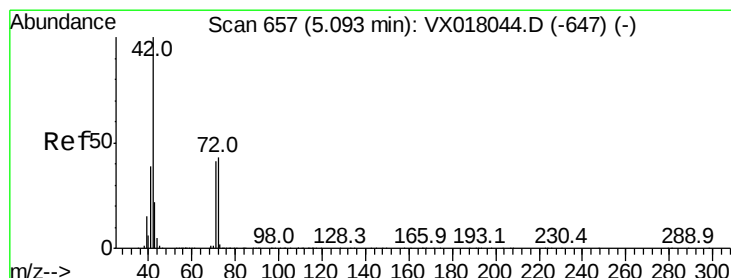
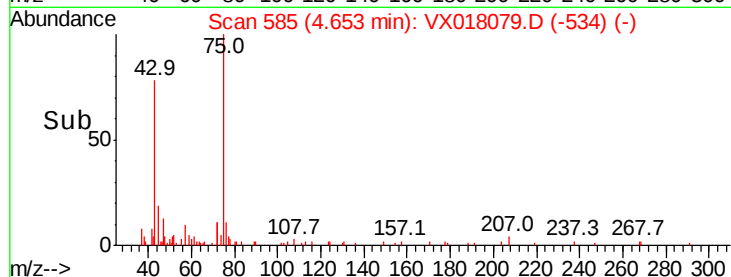
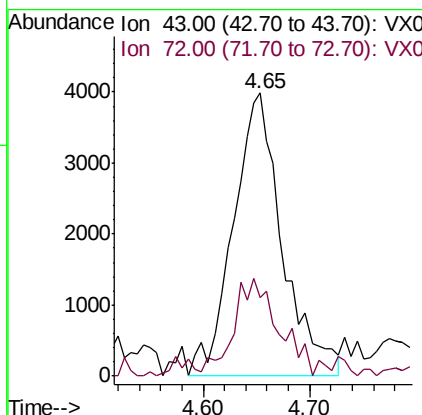
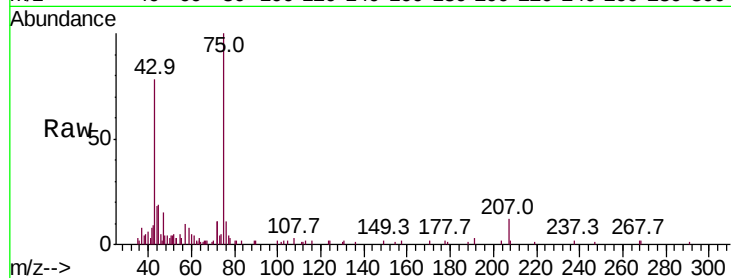




#25
2-Butanone
Concen: 3.156 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

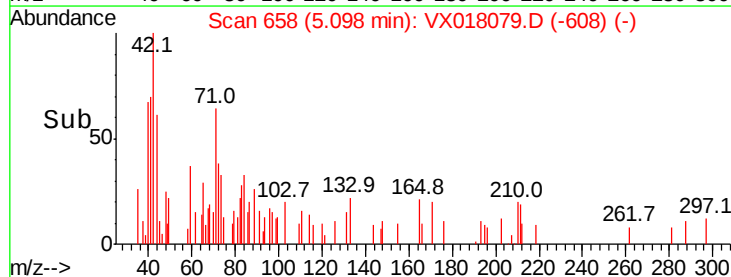
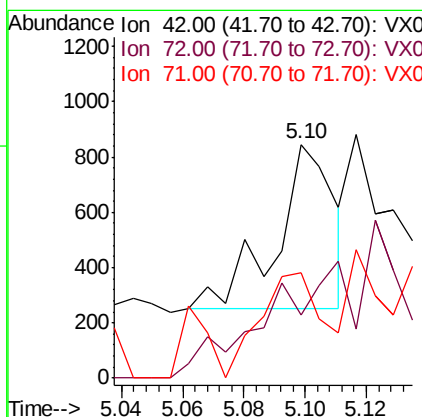
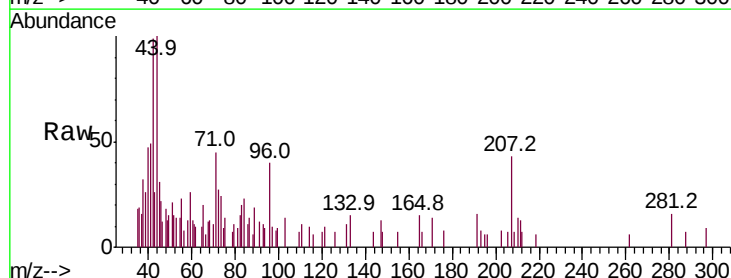
Instrument :
MSVOA_X
ClientSampleId :
RO-11

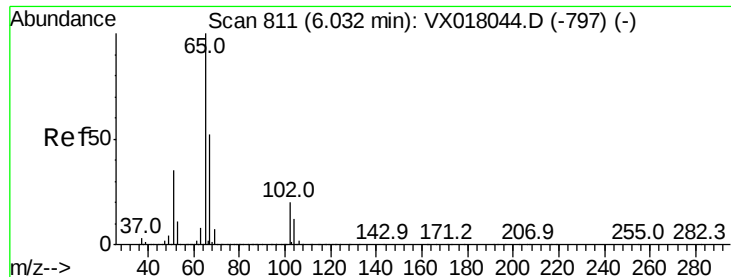
Tot Ion: 43 Resp: 12888
Ion Ratio Lower Upper
43 100
72 22.0 19.8 29.6



#29
Tetrahydrofuran
Concen: 0.304 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

Tgt Ion: 42 Resp: 791
Ion Ratio Lower Upper
42 100
72 99.6 34.2 51.4#
71 69.8 32.1 48.1#





#33

1,2-Dichloroethane-d4

Concen: 50.590 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

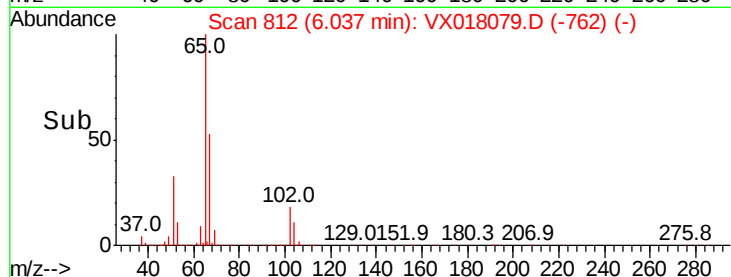
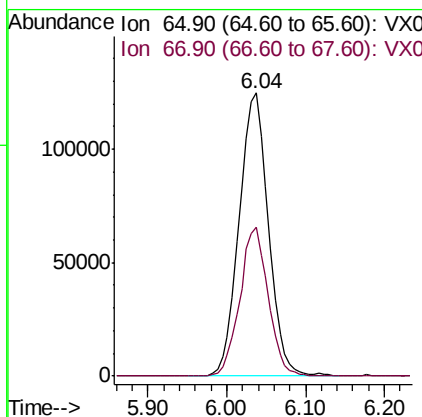
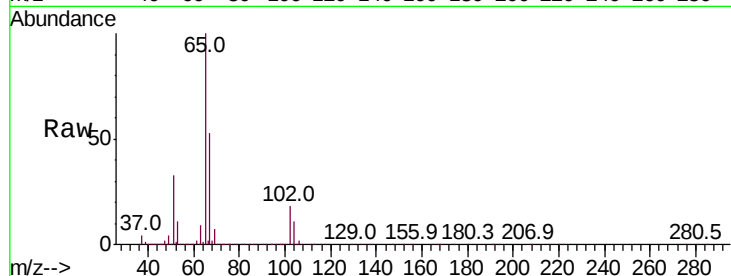
RO-11

Tot Ion: 65 Resp: 322621

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

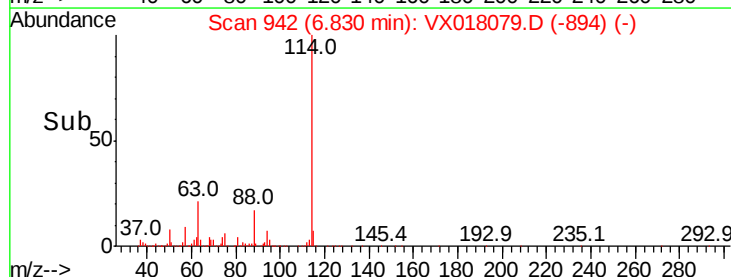
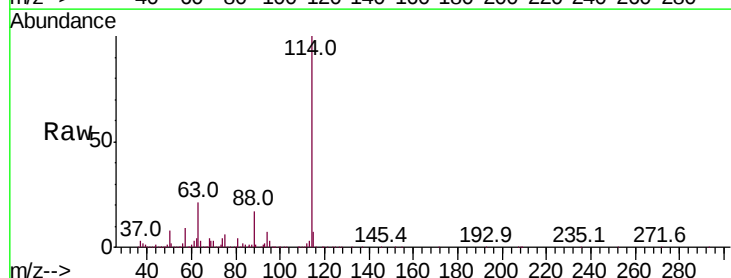
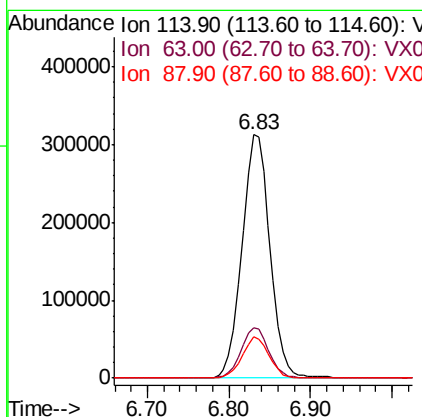
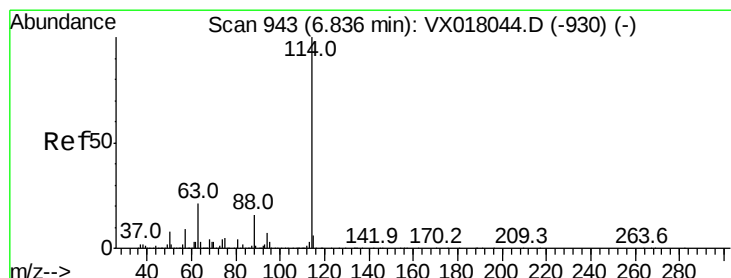
Tgt Ion: 114 Resp: 741225

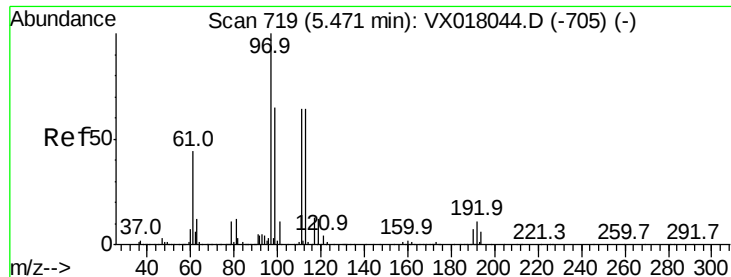
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 17.0 0.0 31.8

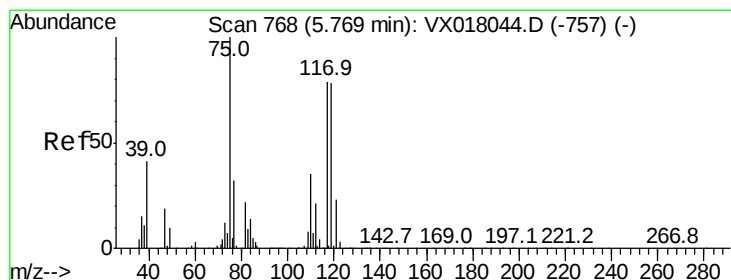
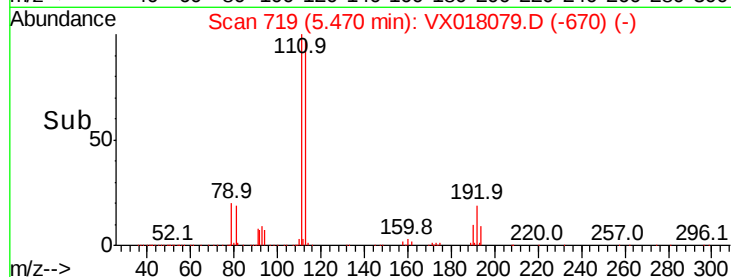
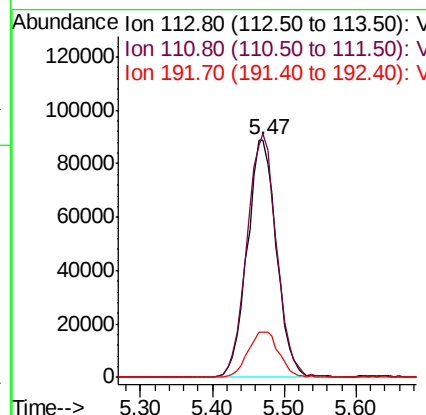
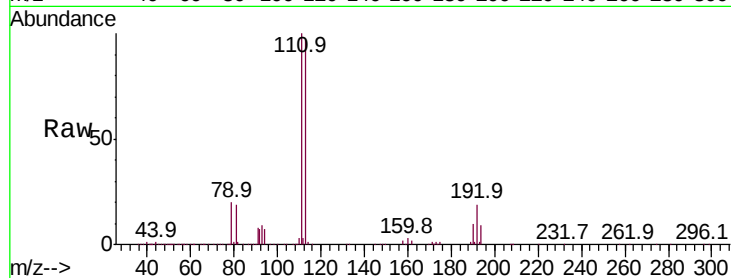




#35
 Dibromofluoromethane
 Concen: 49.813 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018079.D
 Acq: 26 Aug 2020 15:56

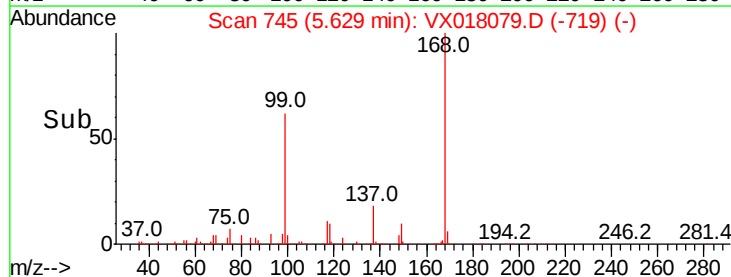
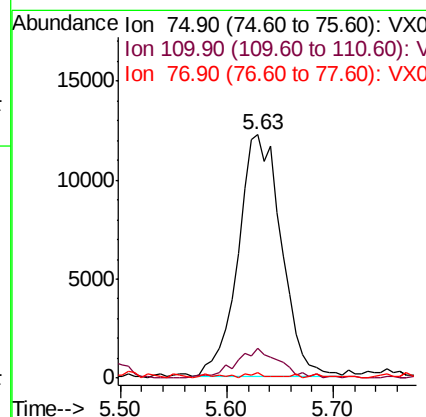
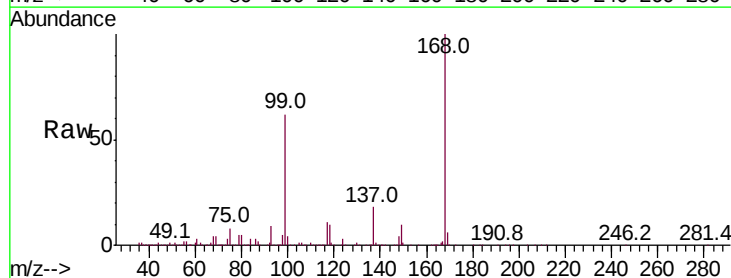
Instrument :
 MSVOA_X
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 RO-11

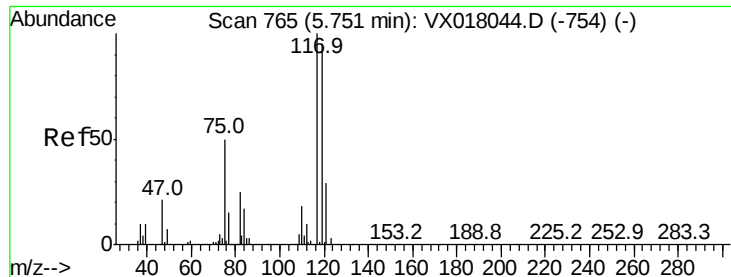
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.6	122.4
192	20.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.052 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018079.D
 Acq: 26 Aug 2020 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.9	18.0	54.0#
77	0.8	24.4	36.6#

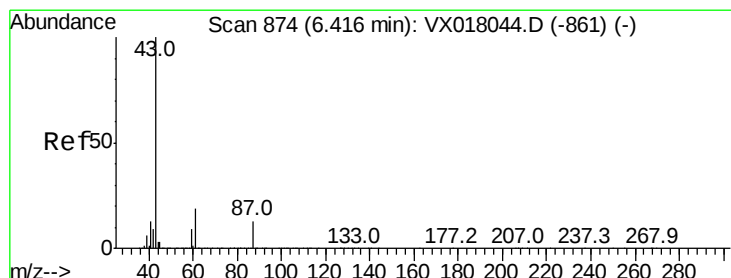
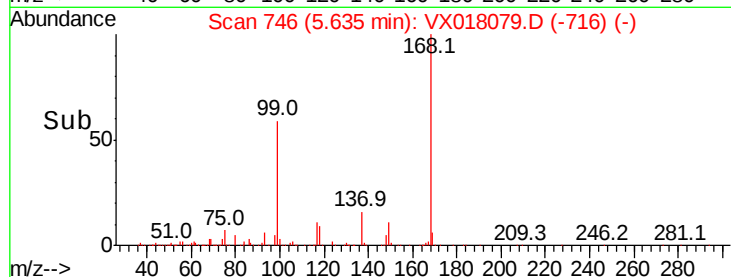
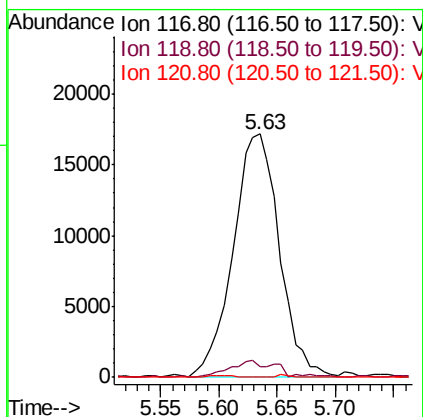
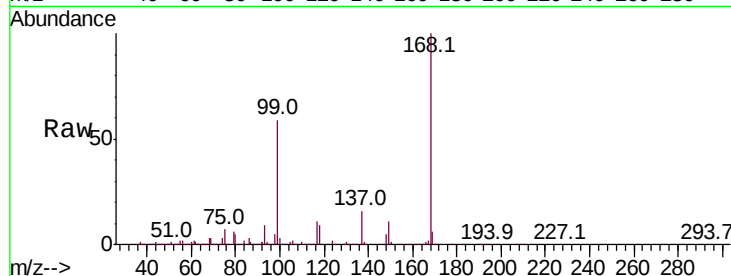




#38
Carbon Tetrachloride
Concen: 6.151 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

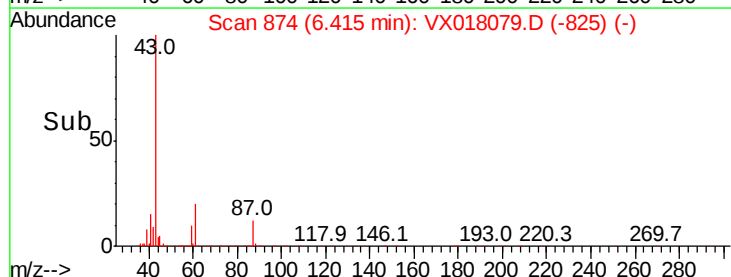
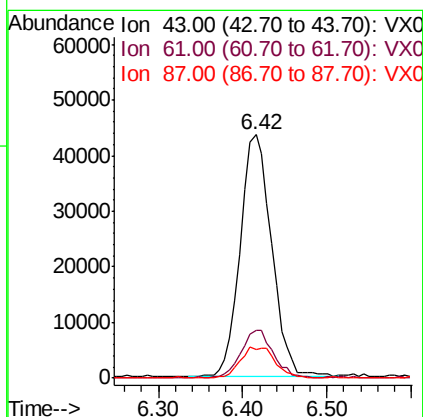
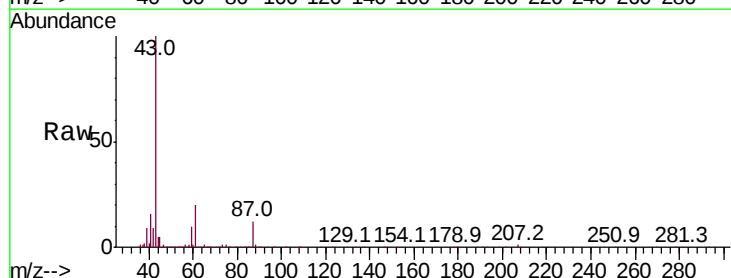
Instrument :
MSVOA_X
ClientSampleId :
RO-11

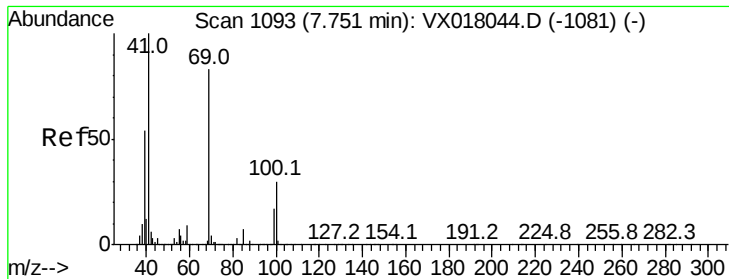
Tot Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.6#
121	0.0	23.4	35.0#



#43
Isopropyl Acetate
Concen: 8.587 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.7	23.5
87	14.2	10.3	15.5

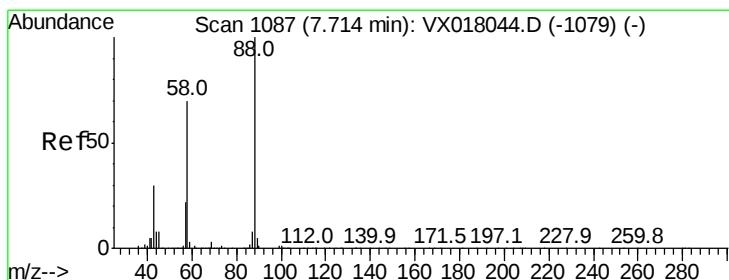
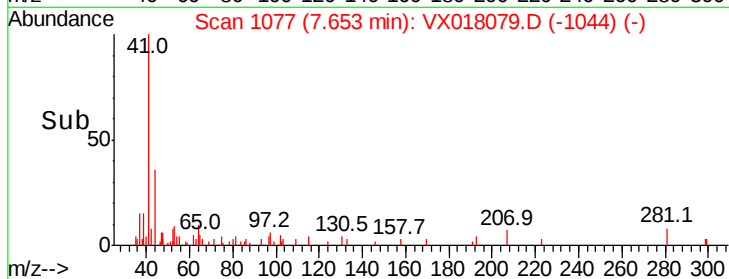
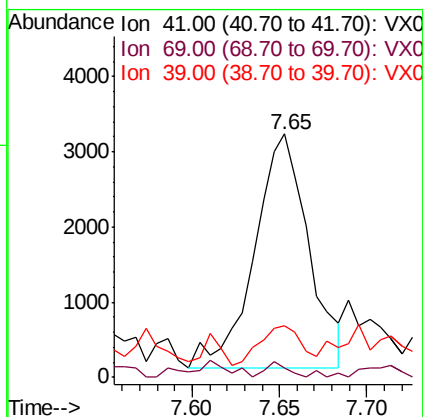
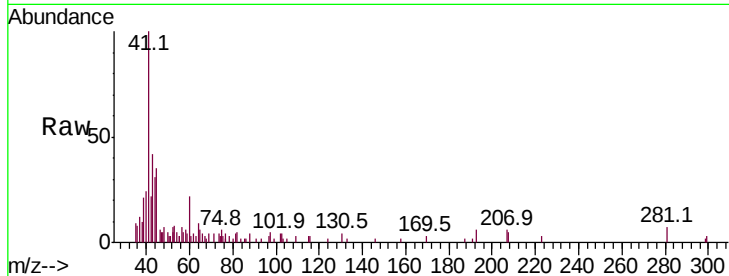




#48
Methvl methacrylate
Concen: 1.056 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

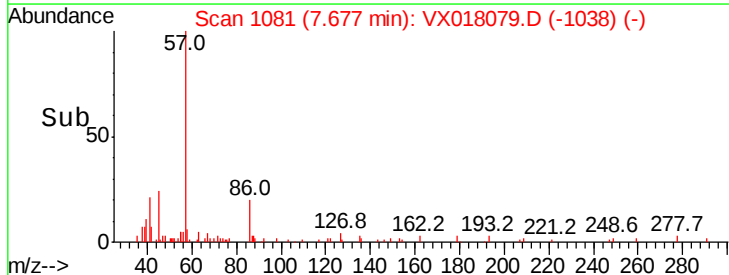
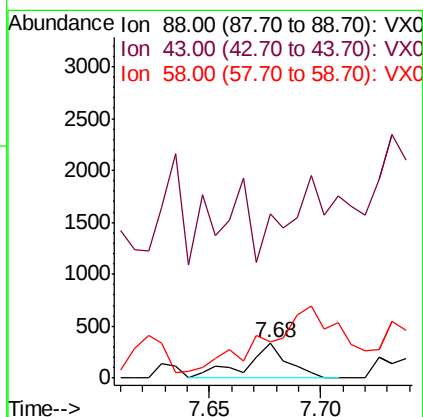
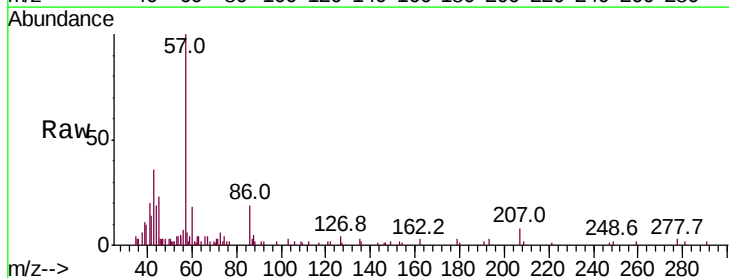
Instrument :
MSVOA_X
ClientSampleId :
RO-11

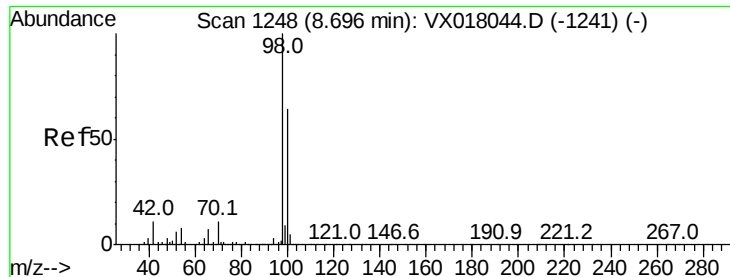
Tot Ion: 41 Resp: 6742
Ion Ratio Lower Upper
41 100
69 2.6 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 3.856 ug/l
RT: 7.68 min Scan# 1081
Delta R.T. -0.04 min
Lab File: VX018079.D
Acq: 26 Aug 2020 15:56

Tgt Ion: 88 Resp: 446
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 391.3 56.4 84.6#





#50

Toluene-d8

Concen: 49.460 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

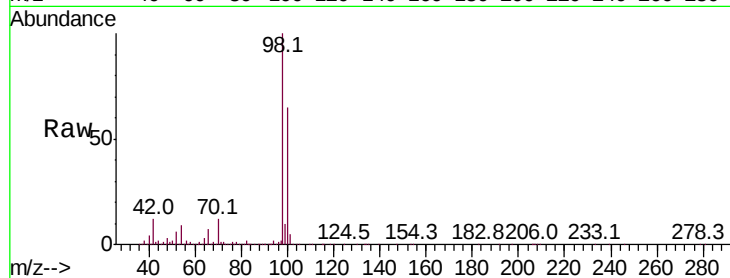
RO-11

Tot Ion: 98 Resp: 929936

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

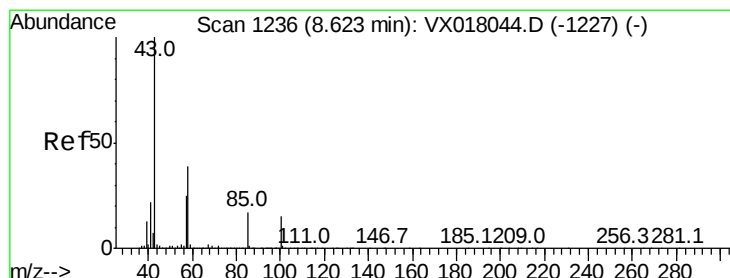
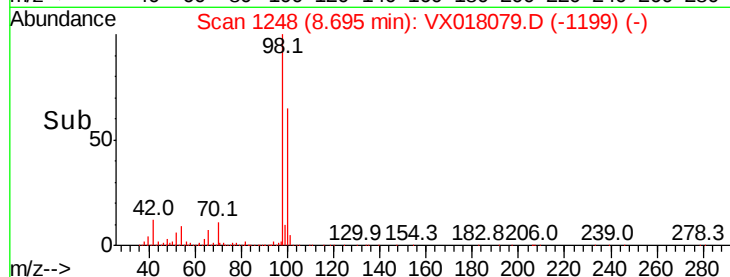
400000

200000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 13.878 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018079.D

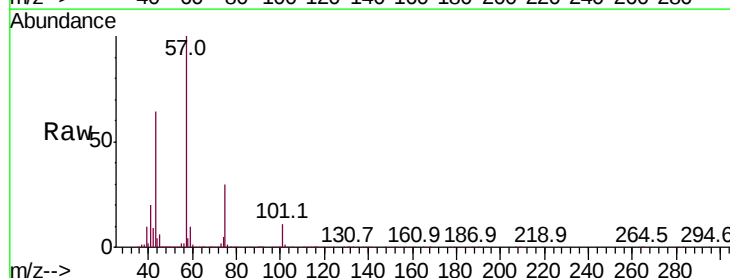
Acq: 26 Aug 2020 15:56

Tgt Ion: 43 Resp: 109945

Ion Ratio Lower Upper

43 100

58 6.8 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

60000

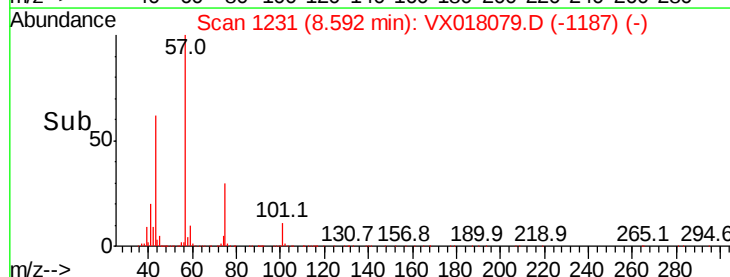
40000

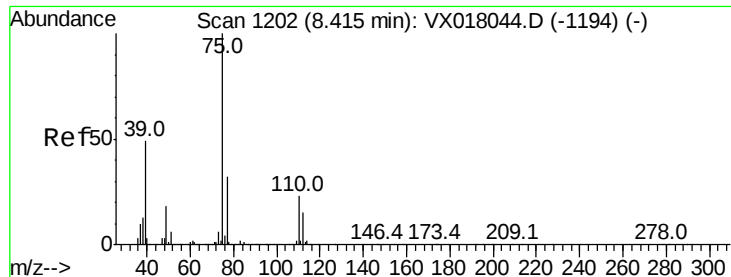
20000

0

8.50 8.55 8.60 8.65

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.109 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

RO-11

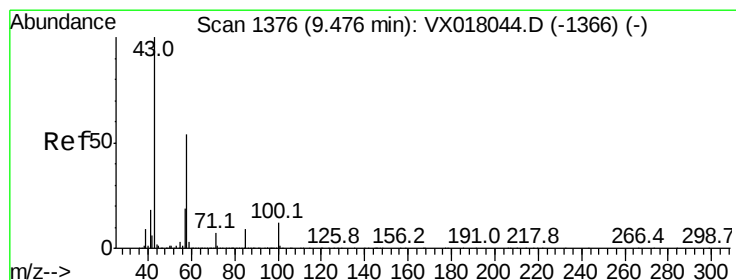
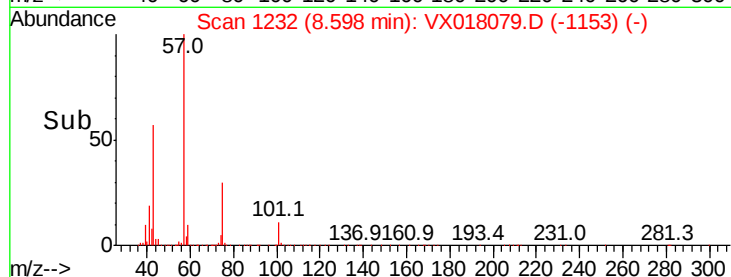
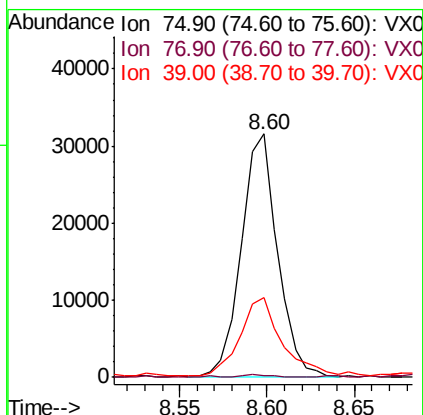
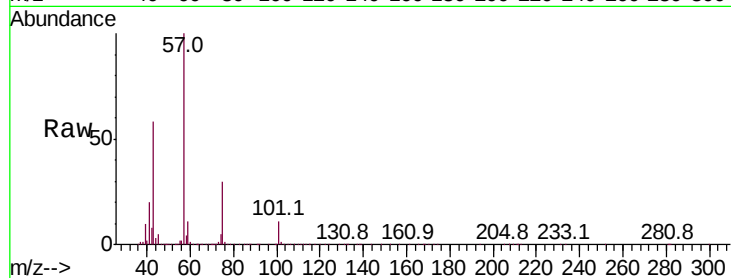
Tot Ion: 75 Resp: 45601

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

39 31.9 38.8 58.2#



#59

2-Hexanone

Concen: 17.137 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.06 min

Lab File: VX018079.D

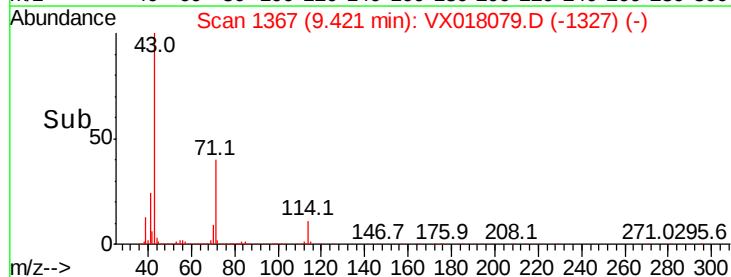
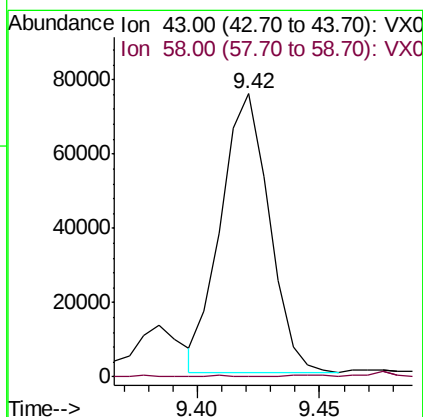
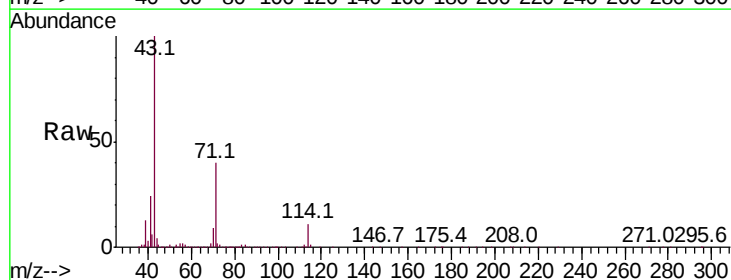
Acq: 26 Aug 2020 15:56

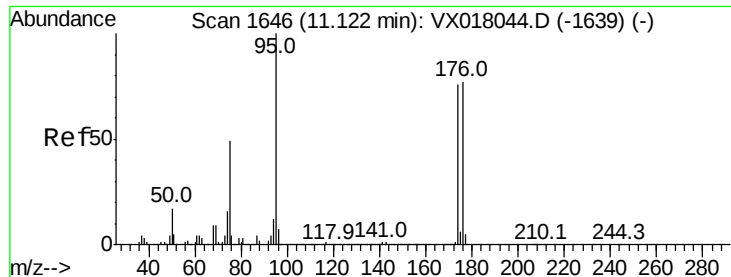
Tgt Ion: 43 Resp: 103232

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 46.066 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

RO-11

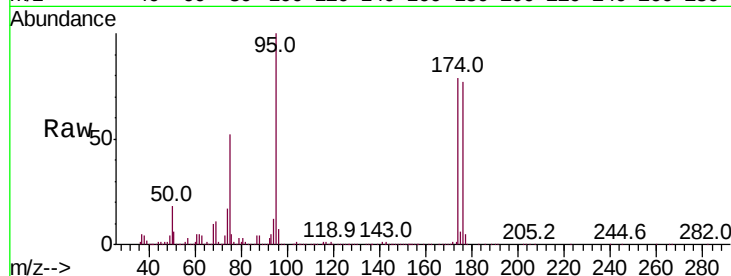
Tot Ion: 95 Resp: 340768

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

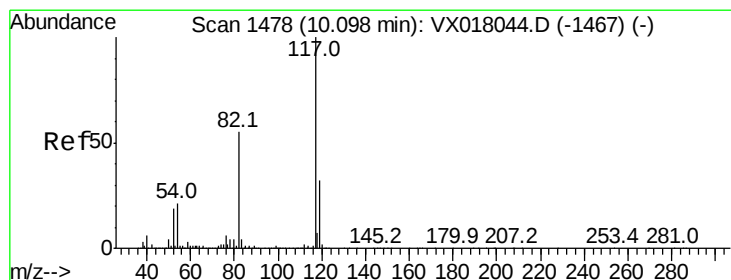
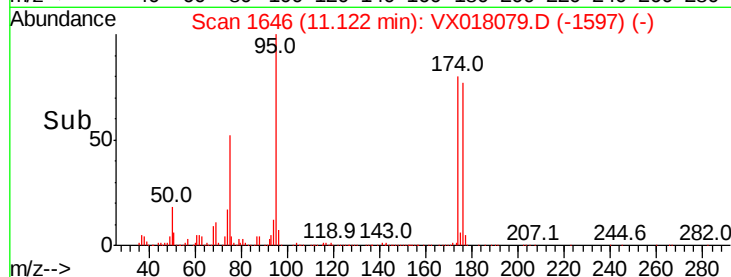
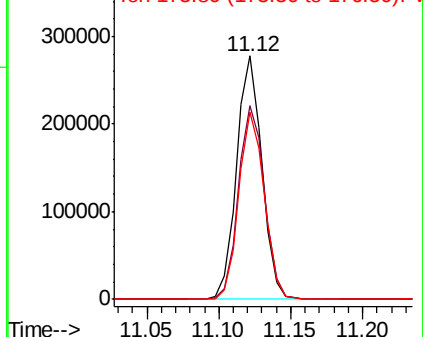
176 77.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

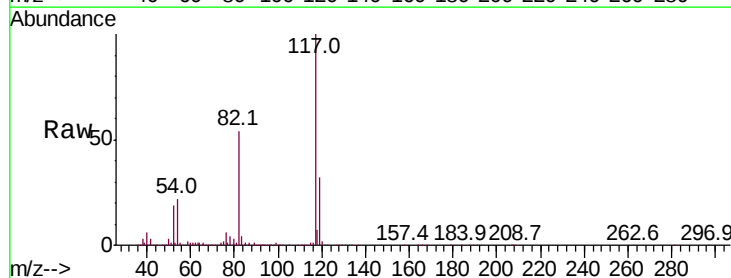
Tgt Ion: 117 Resp: 720975

Ion Ratio Lower Upper

117 100

82 53.8 44.2 66.2

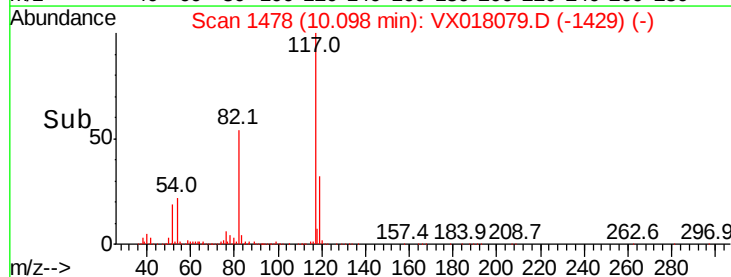
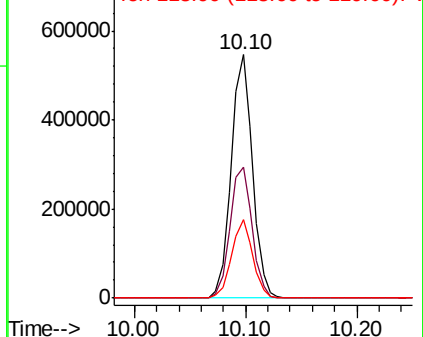
119 32.3 25.7 38.5

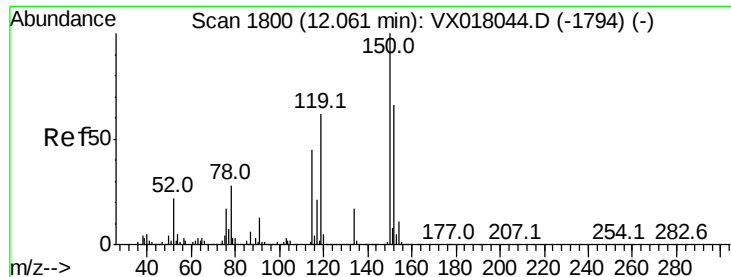


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampled :

RO-11

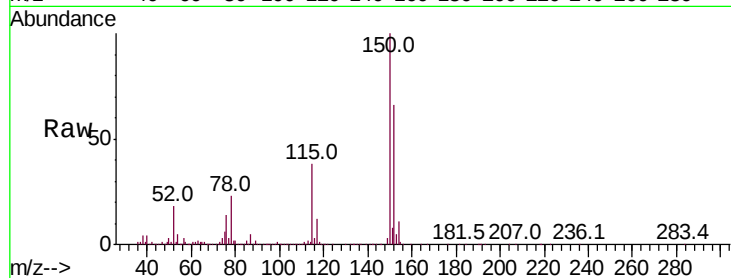
Tot Ion:152 Resp: 334462

Ion Ratio Lower Upper

152 100

115 60.1 41.5 124.5

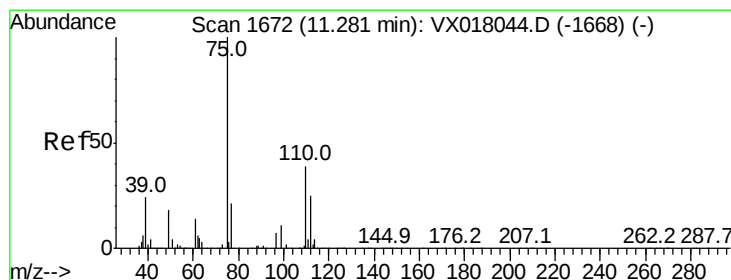
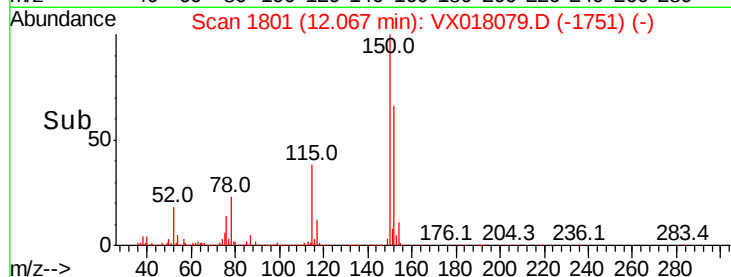
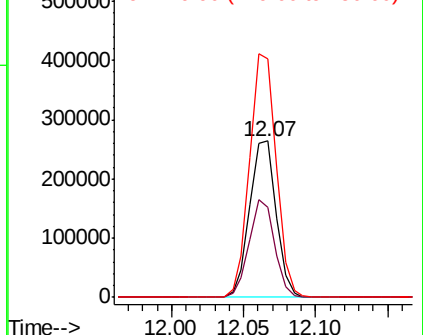
150 156.0 0.0 343.8



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: 23.437 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018079.D

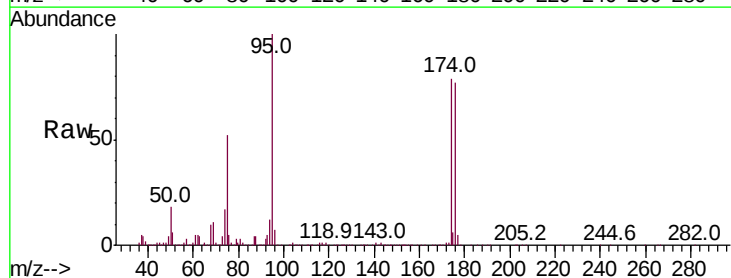
Acq: 26 Aug 2020 15:56

Tgt Ion: 75 Resp: 174376

Ion Ratio Lower Upper

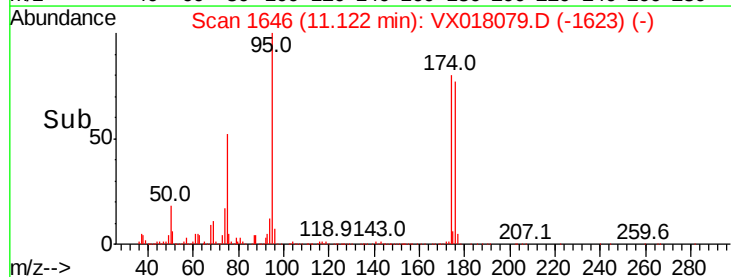
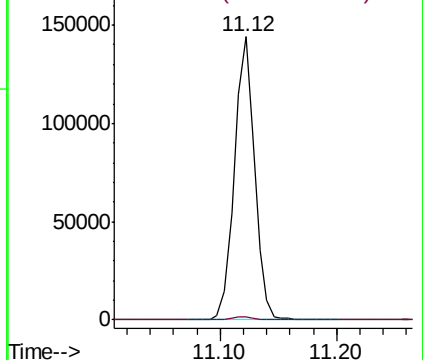
75 100

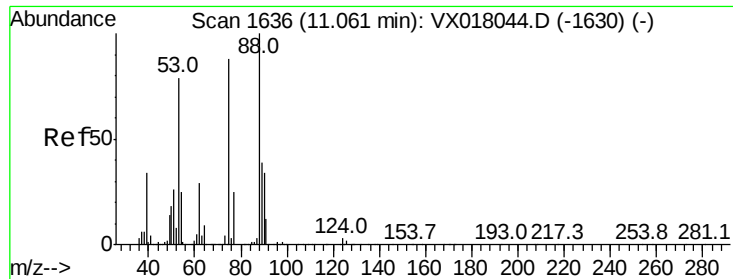
77 1.2 20.8 62.2#



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: 63.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018079.D

Acq: 26 Aug 2020 15:56

Instrument :

MSVOA_X

ClientSampleId :

RO-11

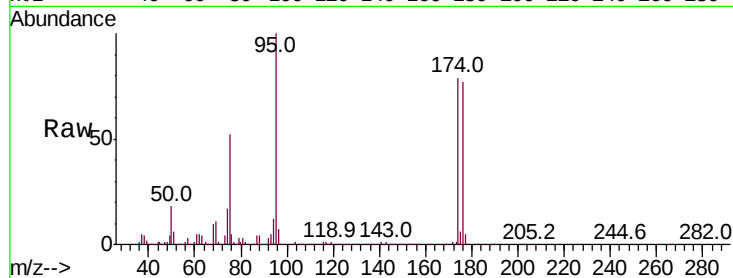
Tot Ion: 75 Resp: 174376

Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.1 36.6 54.8#



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

