

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030239.D
 Acq On : 27 Jul 2022 18:12
 Operator : JC/MD
 Sample : N3898-06 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 61422-A

Quant Time: Jul 28 05:52:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

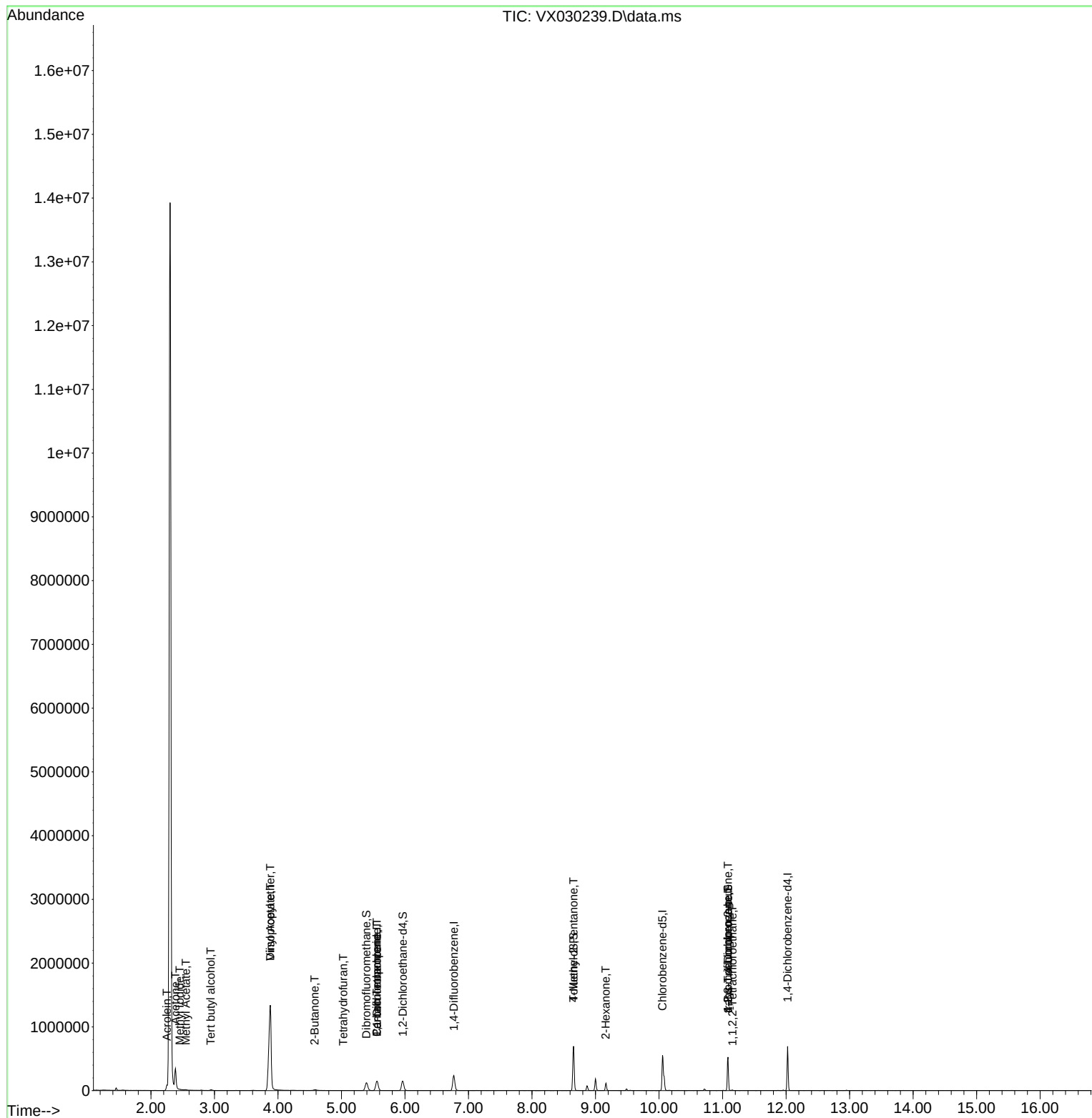
Internal Standards						
1) Pentafluorobenzene	5.556	168	136539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241823	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141028	51.388	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.780%
35) Dibromofluoromethane	5.391	113	110543	47.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.640%
50) Toluene-d8	8.653	98	407783	45.550	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.100%
62) 4-Bromofluorobenzene	11.085	95	140916	42.413	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.820%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	382	Below Cal	#	48
10) Methyl Iodide	2.453	142	374	1.695	ug/l #	67
11) Tert butyl alcohol	2.940	59	7267	10.856	ug/l #	85
13) Acrolein	2.251	56	73167	444.688	ug/l	88
16) Acetone	2.386	43	301298	214.442	ug/l	91
18) Methyl Acetate	2.550	43	1949	0.469	ug/l #	51
20) Methylene Chloride	2.794	84	1917	Below Cal		95
22) Diisopropyl ether	3.879	45	93292	11.203	ug/l #	1
23) Vinyl Acetate	3.879	43	225354	31.196	ug/l #	72
25) 2-Butanone	4.574	43	1869	0.792	ug/l #	84
29) Tetrahydrofuran	5.025	42	320	0.201	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	12299	3.697	ug/l #	47
38) Carbon Tetrachloride	5.556	117	14852	4.782	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	2049	0.437	ug/l #	1
59) 2-Hexanone	9.159	43	7926	2.143	ug/l	97
67) Ethyl Benzene	10.195	91	365	Below Cal	#	43
75) 1,1,2,2-Tetrachloroethane	11.158	83	2655	0.717	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	71311	20.863	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71311	62.587	ug/l #	13

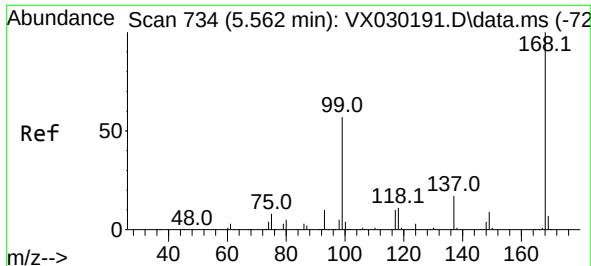
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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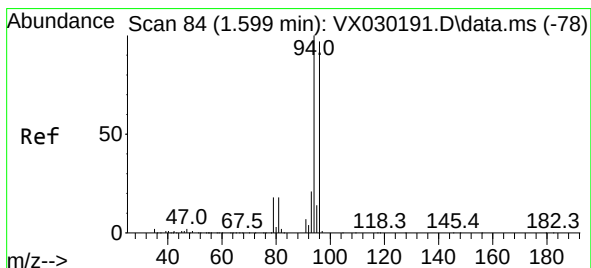
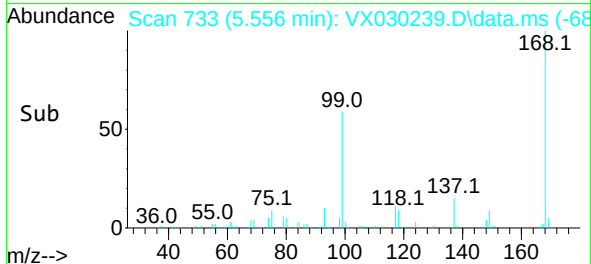
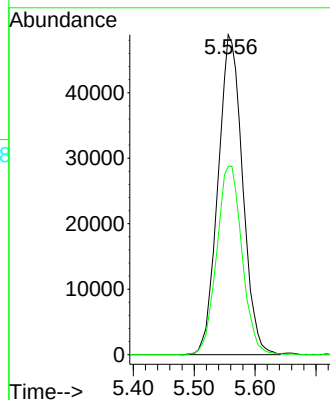
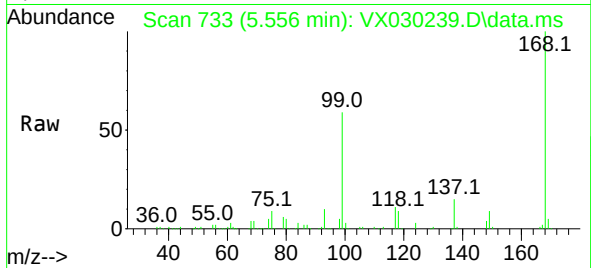




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

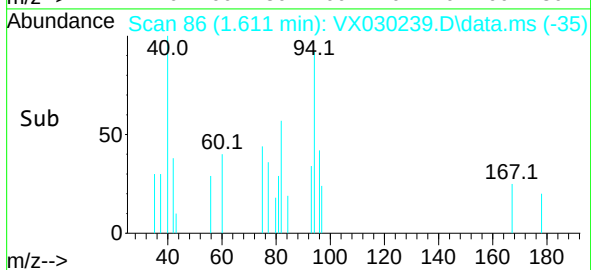
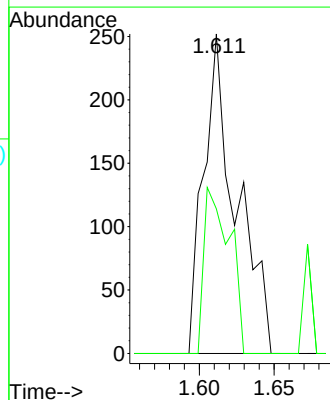
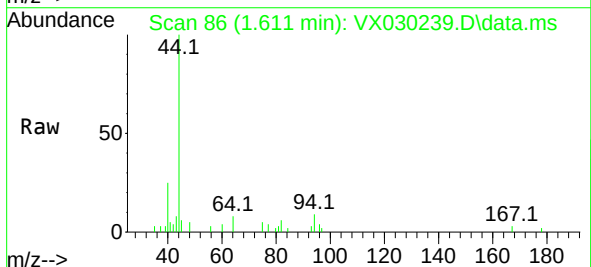
Instrument :
MSVOA_X
ClientSampleId :
61422-A

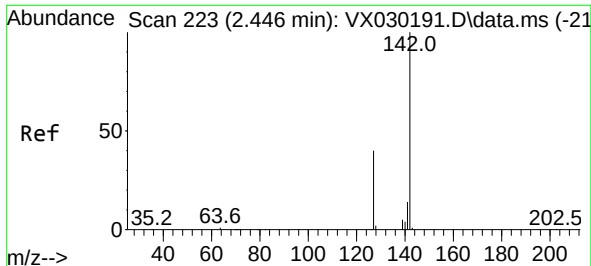
Tgt Ion:168 Resp: 136539
Ion Ratio Lower Upper
168 100
99 58.8 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 45.2 76.9 115.3#

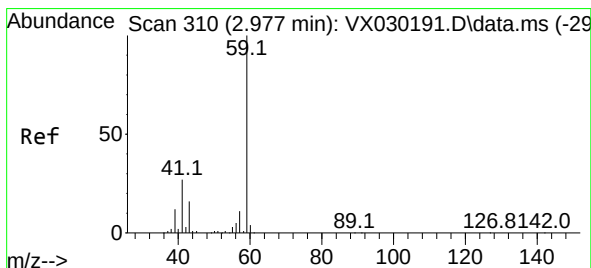
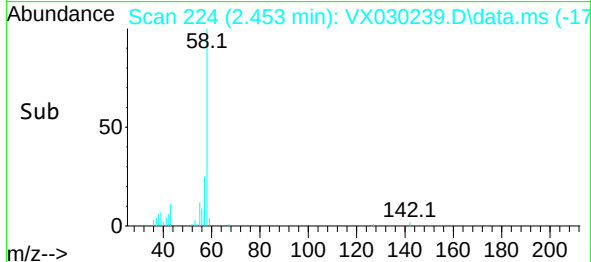
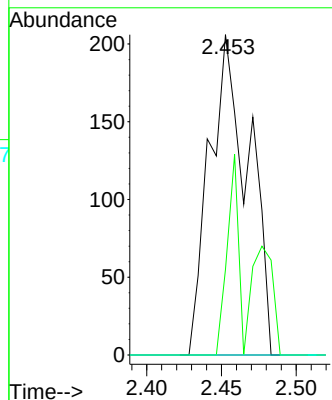
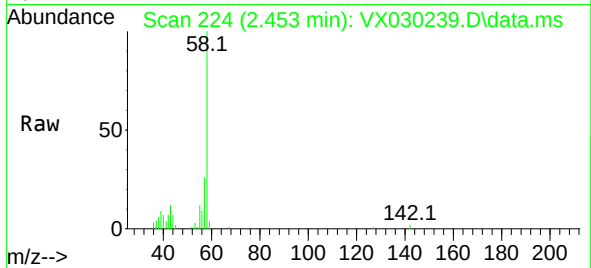




#10
Methyl Iodide
Concen: 1.695 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

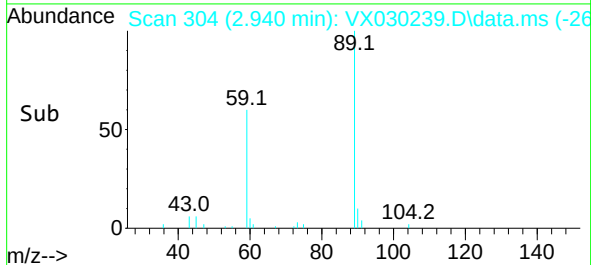
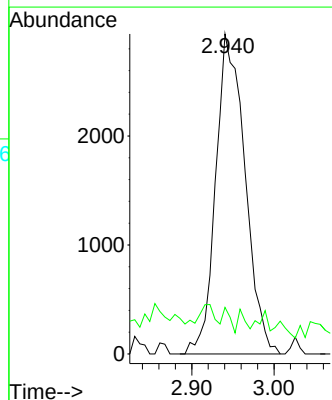
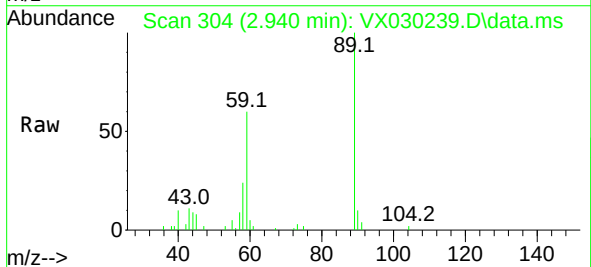
Instrument :
MSVOA_X
ClientSampleId :
61422-A

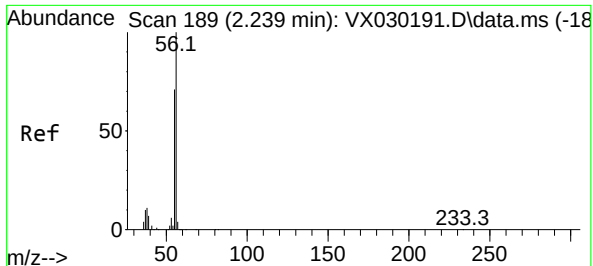
Tgt Ion:142 Resp: 374
Ion Ratio Lower Upper
142 100
127 17.9 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 10.856 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 59 Resp: 7267
Ion Ratio Lower Upper
59 100
57 3.9 7.4 11.2#

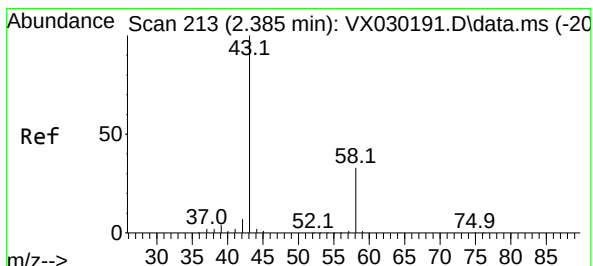
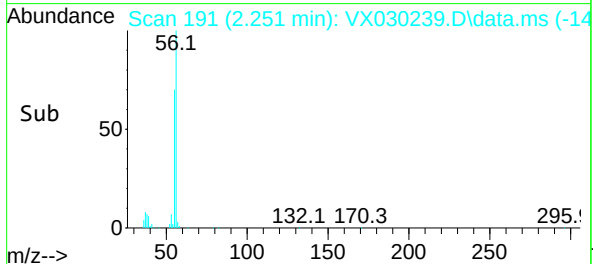
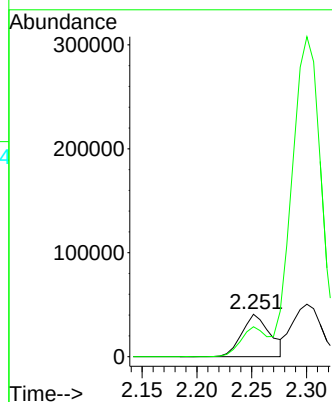
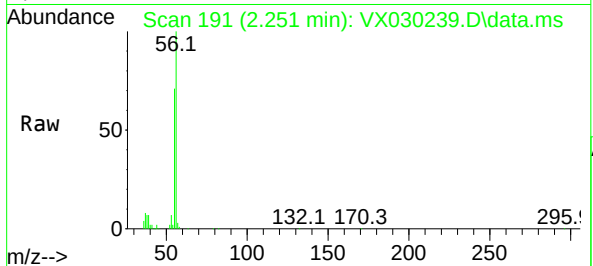




#13
Acrolein
Concen: 444.688 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

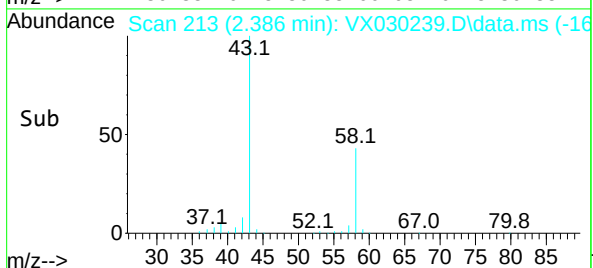
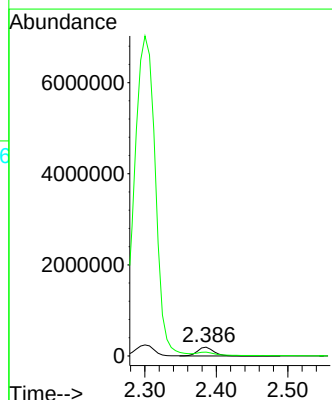
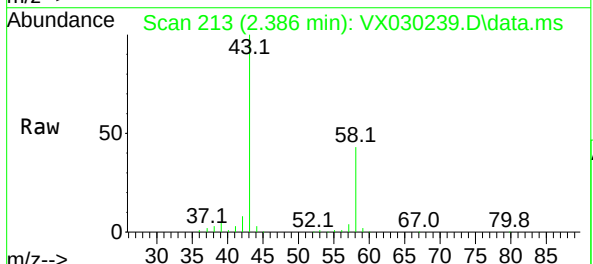
Instrument :
MSVOA_X
ClientSampleId :
61422-A

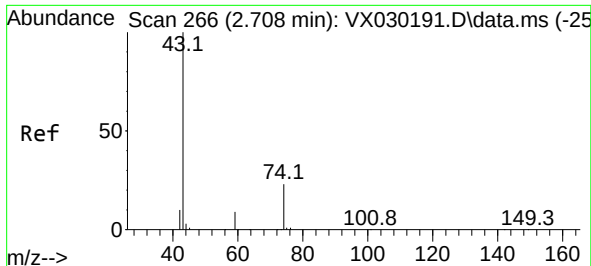
Tgt Ion: 56 Resp: 73167
Ion Ratio Lower Upper
56 100
55 60.7 56.6 84.8



#16
Acetone
Concen: 214.442 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 43 Resp: 301298
Ion Ratio Lower Upper
43 100
58 39.8 27.7 41.5

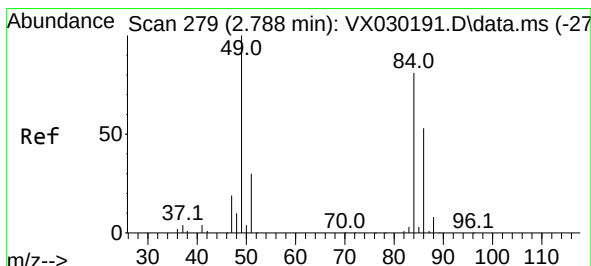
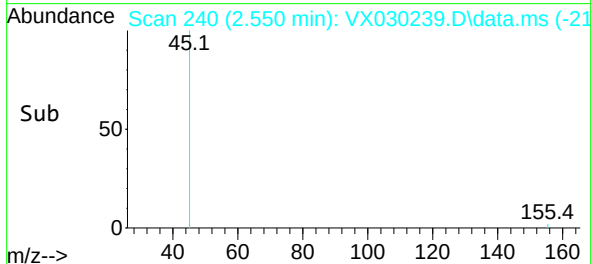
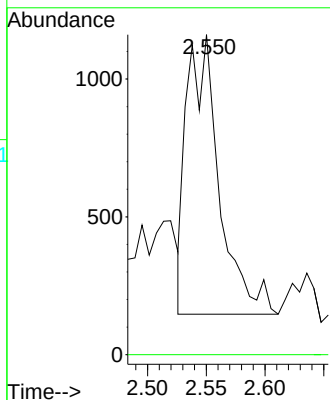
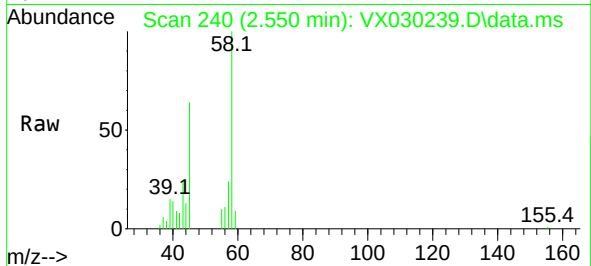




#18
Methyl Acetate
Concen: 0.469 ug/l
RT: 2.550 min Scan# 24
Delta R.T. -0.158 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

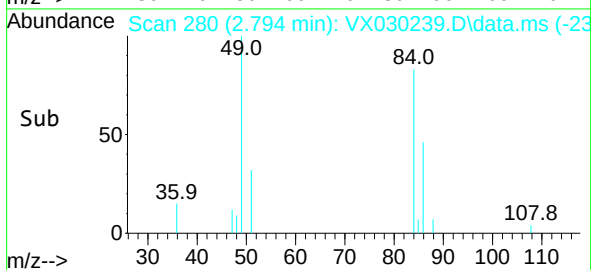
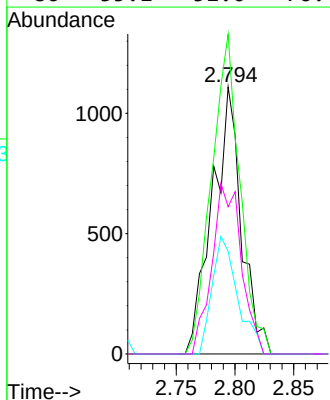
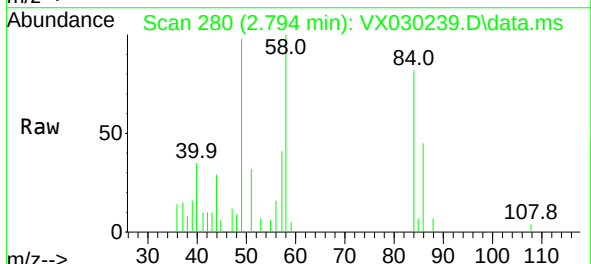
Instrument :
MSVOA_X
ClientSampleId :
61422-A

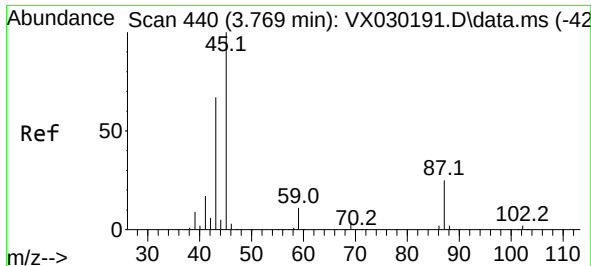
Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 84 Resp: 1917
Ion Ratio Lower Upper
84 100
49 119.8 93.8 140.6
51 38.5 29.4 44.0
86 55.1 51.0 76.4

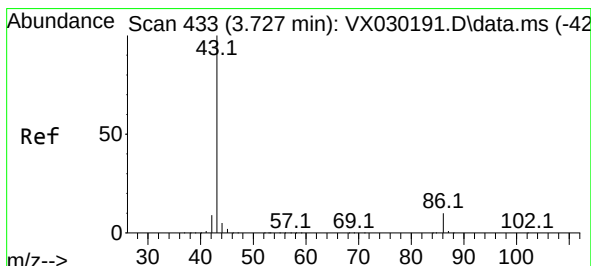
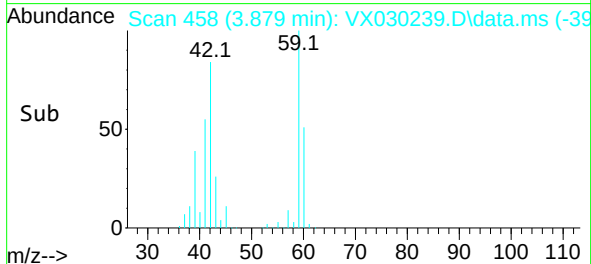
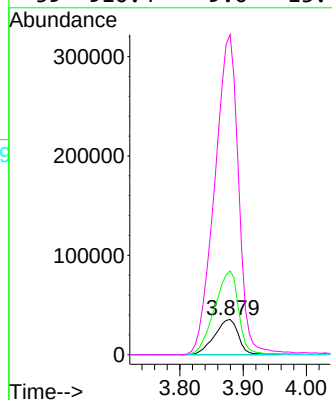
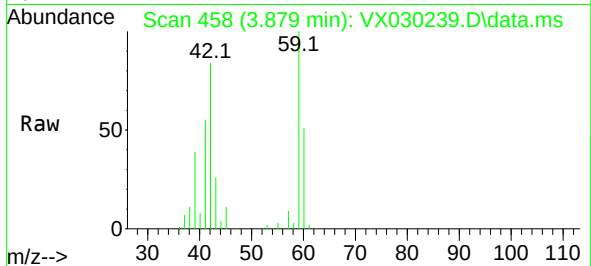




#22
Diisopropyl ether
Concen: 11.203 ug/l
RT: 3.879 min Scan# 458
Delta R.T. 0.110 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

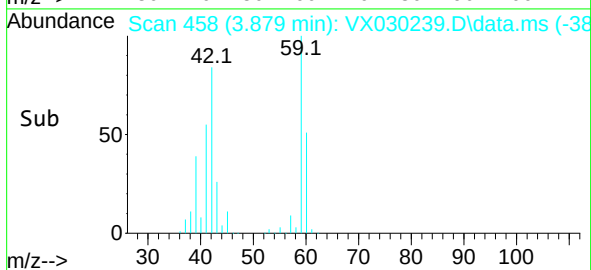
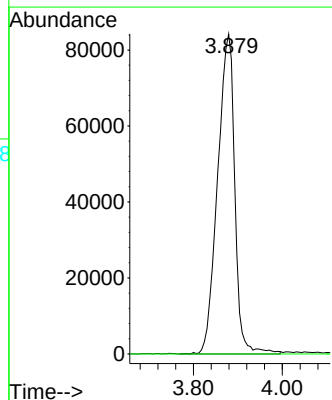
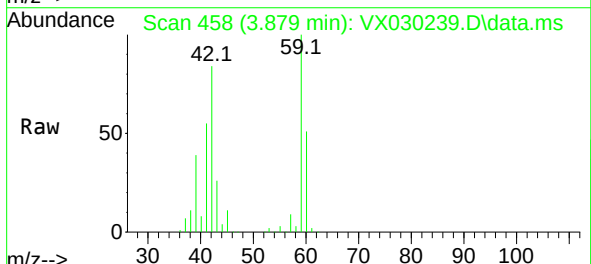
Instrument :
MSVOA_X
ClientSampleId :
61422-A

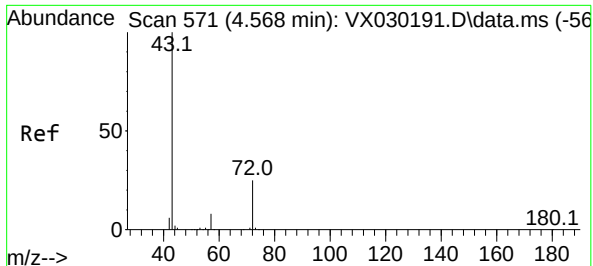
Tgt Ion: 45 Resp: 93292
Ion Ratio Lower Upper
45 100
43 237.1 65.4 98.0#
87 0.0 22.3 33.5#
59 910.4 9.0 13.4#



#23
Vinyl Acetate
Concen: 31.196 ug/l
RT: 3.879 min Scan# 458
Delta R.T. 0.152 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 43 Resp: 225354
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#

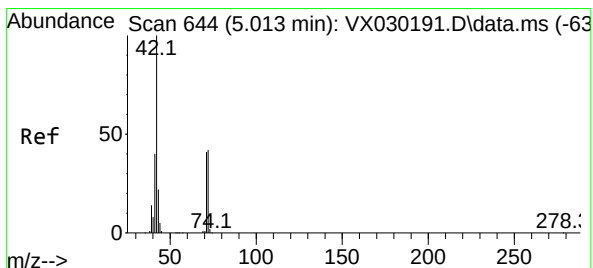
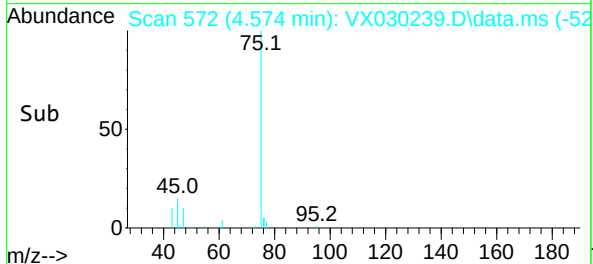
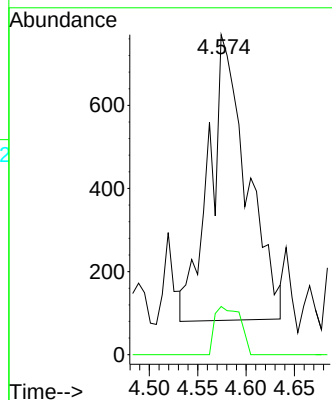
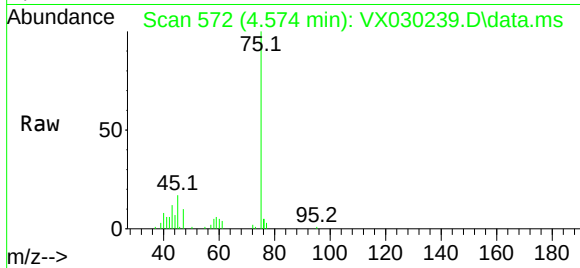




#25
2-Butanone
Concen: 0.792 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

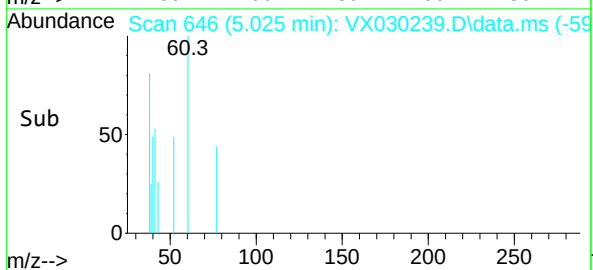
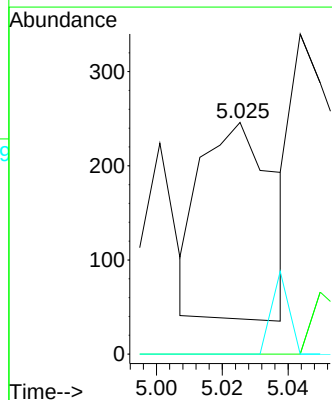
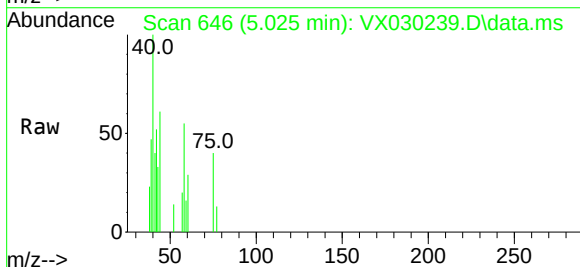
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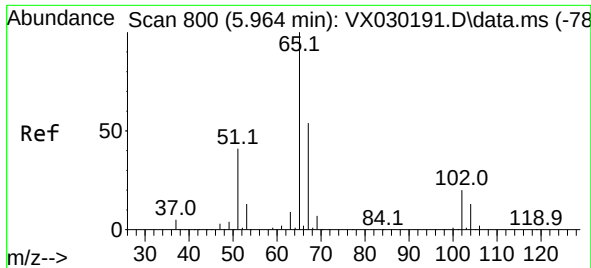
Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
72 18.8 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 42 Resp: 320
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.9 50.9#

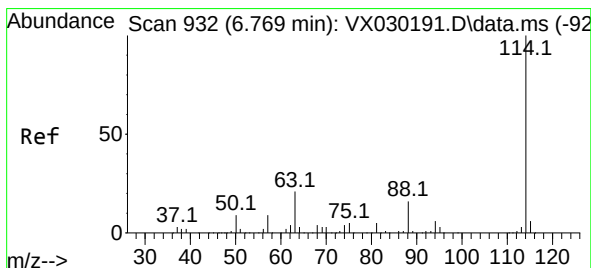
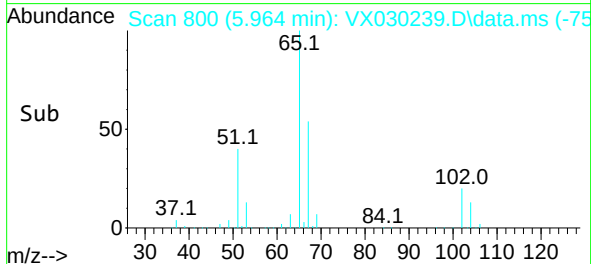
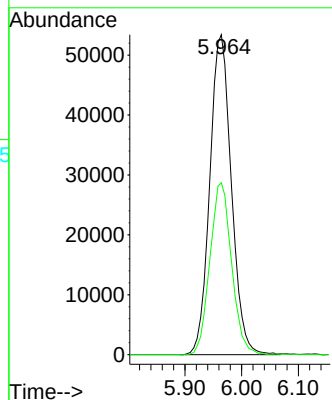
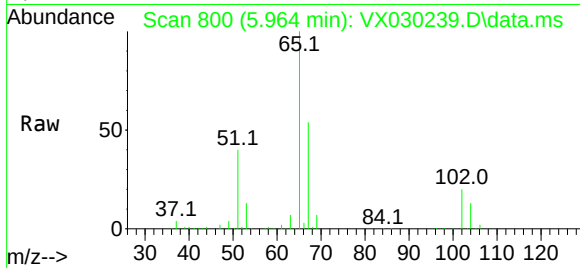




#33
1,2-Dichloroethane-d4
Concen: 51.388 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

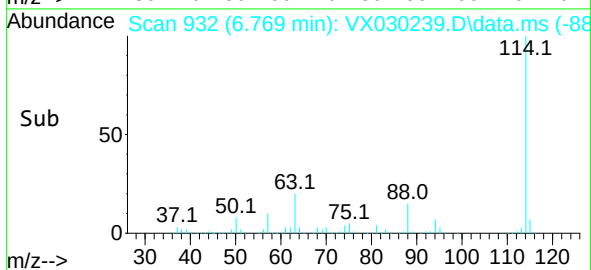
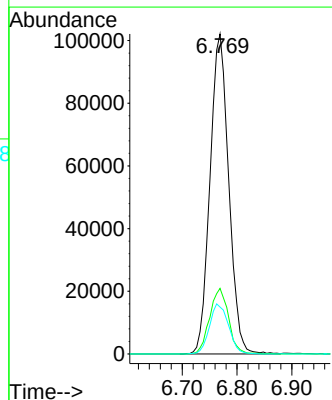
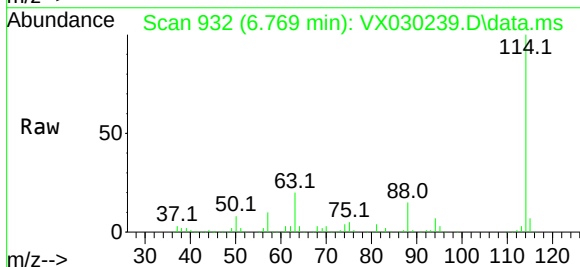
Instrument :
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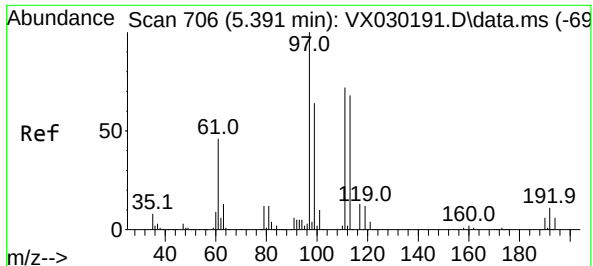
Tgt Ion: 65 Resp: 141028
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 114 Resp: 241823
Ion Ratio Lower Upper
114 100
63 20.5 0.0 38.4
88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.819 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030239.D

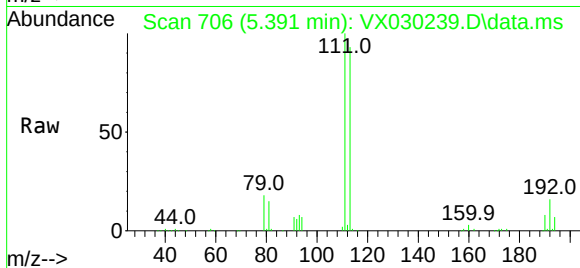
Acq: 27 Jul 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

61422-A



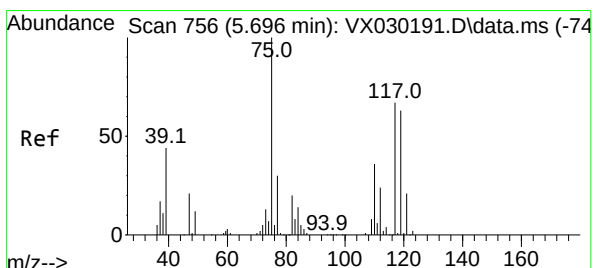
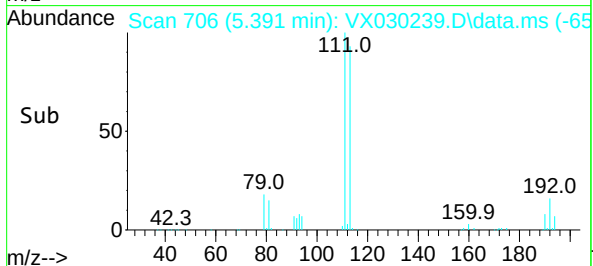
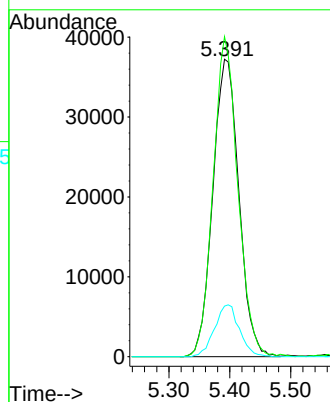
Tgt Ion:113 Resp: 110543

Ion Ratio Lower Upper

113 100

111 102.1 83.2 124.8

192 16.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.697 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030239.D

Acq: 27 Jul 2022 18:12

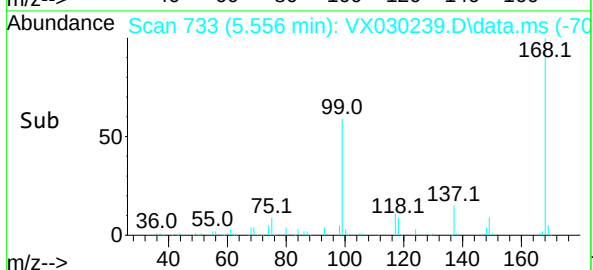
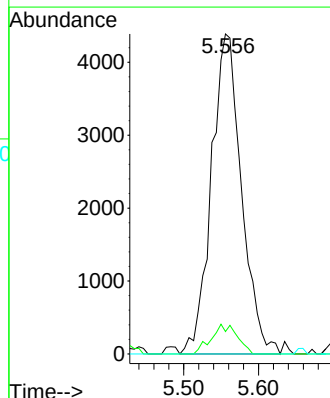
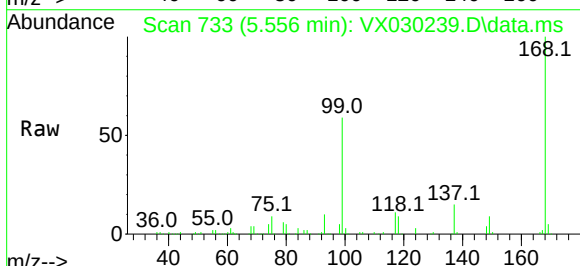
Tgt Ion: 75 Resp: 12299

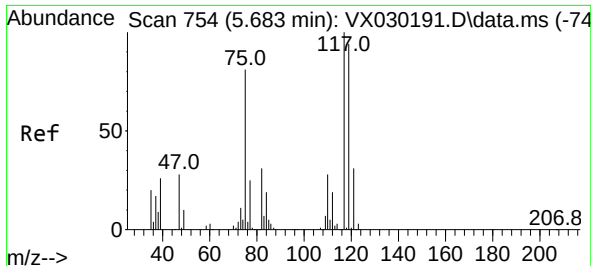
Ion Ratio Lower Upper

75 100

110 8.0 19.3 57.9#

77 0.0 24.4 36.6#

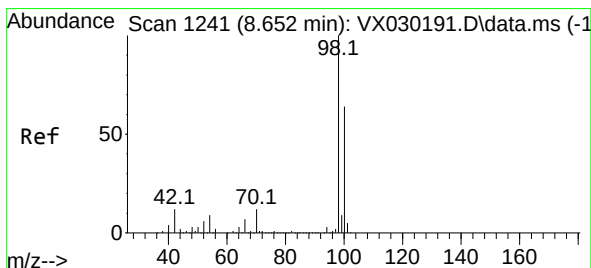
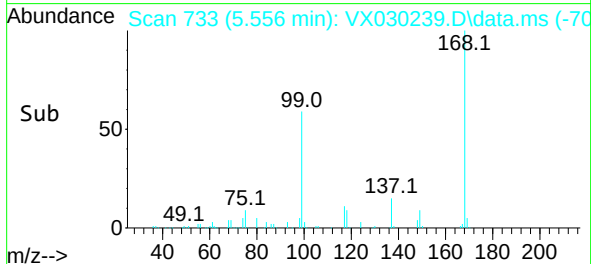
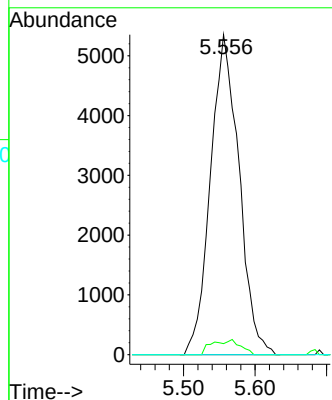
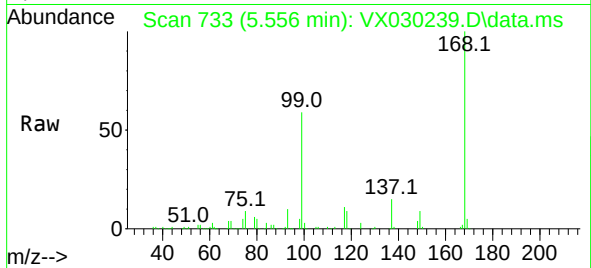




#38
Carbon Tetrachloride
Concen: 4.782 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

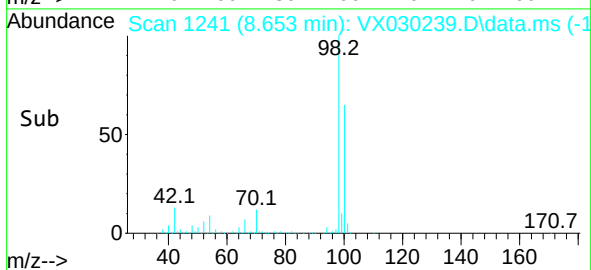
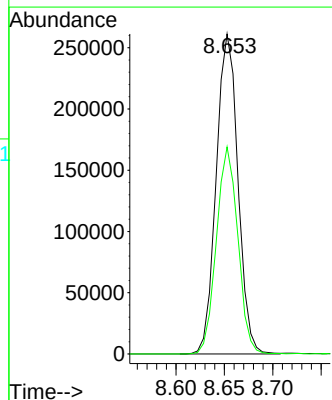
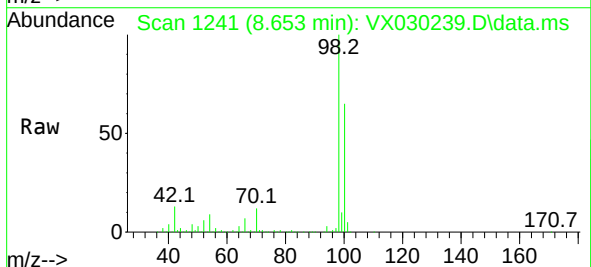
Instrument :
MSVOA_X
ClientSampleId :
61422-A

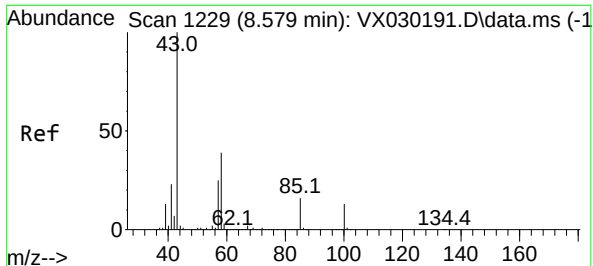
Tgt Ion:117 Resp: 14852
Ion Ratio Lower Upper
117 100
119 3.5 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 45.550 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 98 Resp: 407783
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.437 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX030239.D

Acq: 27 Jul 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

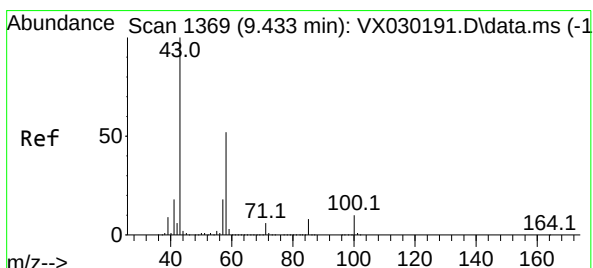
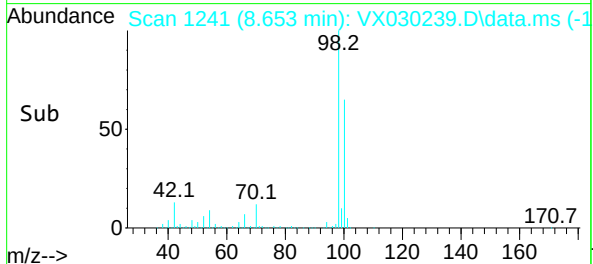
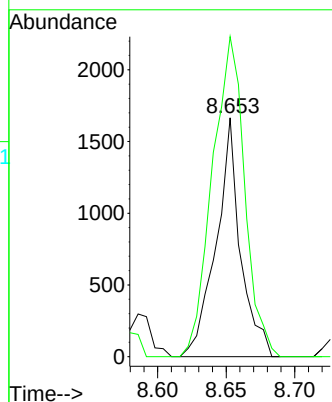
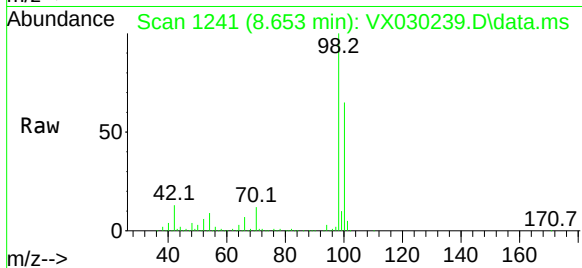
61422-A

Tgt Ion: 43 Resp: 2049

Ion Ratio Lower Upper

43 100

58 178.9 31.4 47.2#



#59

2-Hexanone

Concen: 2.143 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. -0.274 min

Lab File: VX030239.D

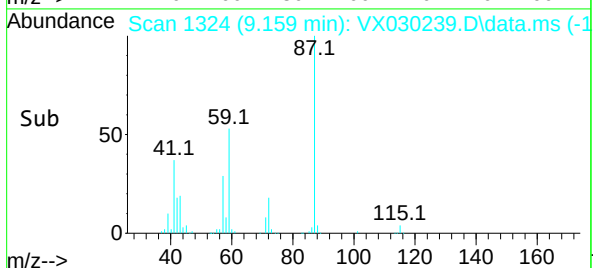
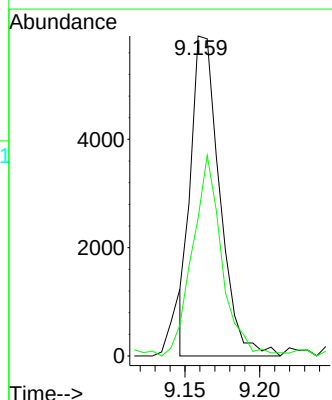
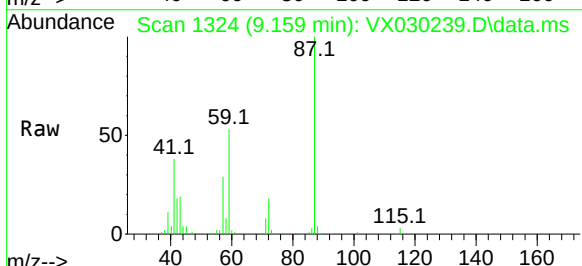
Acq: 27 Jul 2022 18:12

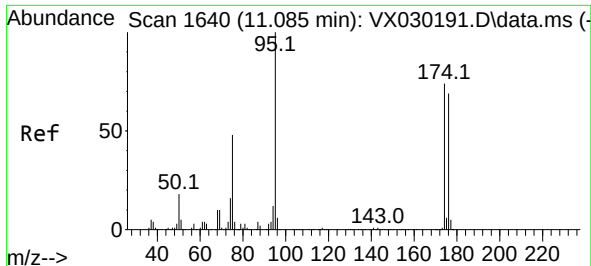
Tgt Ion: 43 Resp: 7926

Ion Ratio Lower Upper

43 100

58 57.7 27.6 82.8

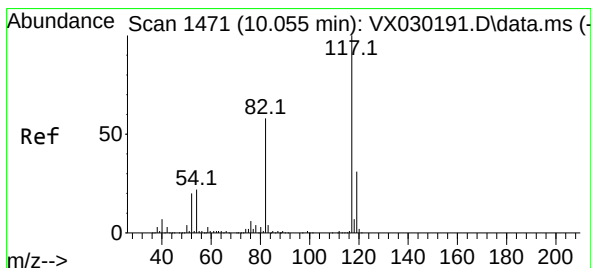
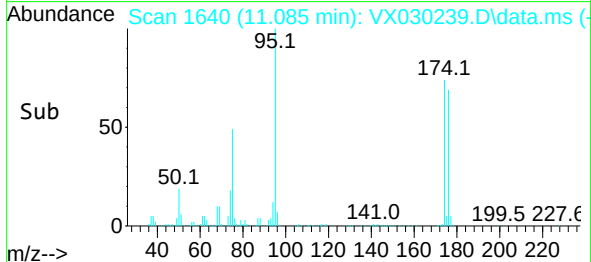
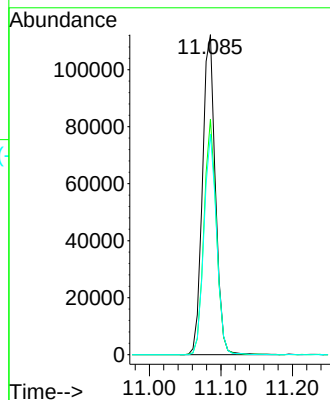
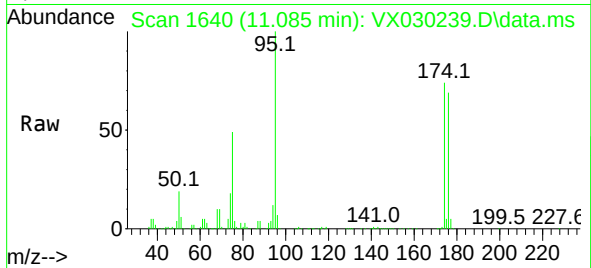




#62
4-Bromofluorobenzene
Concen: 42.413 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

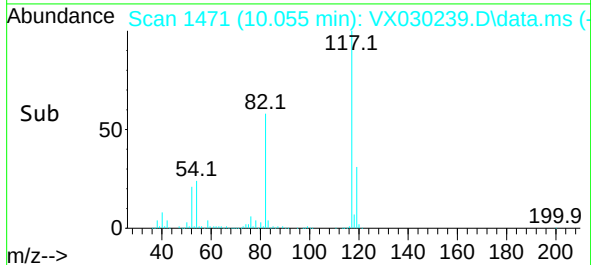
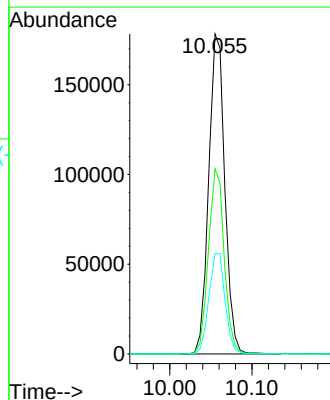
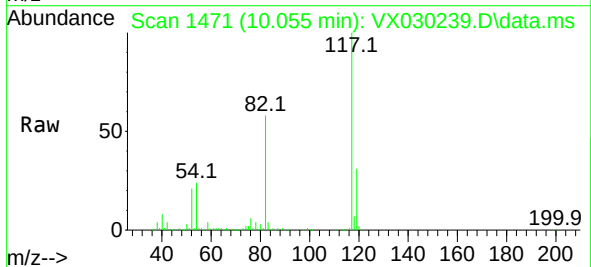
Instrument :
MSVOA_X
ClientSampleId :
61422-A

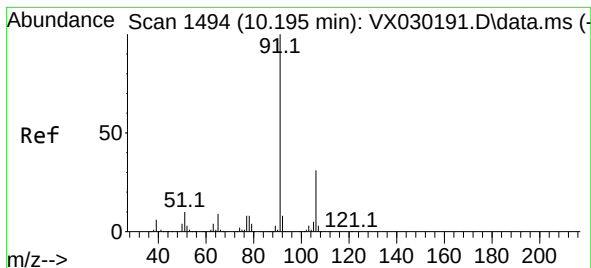
Tgt Ion: 95 Resp: 140916
Ion Ratio Lower Upper
95 100
174 70.5 0.0 149.0
176 67.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030239.D
Acq: 27 Jul 2022 18:12

Tgt Ion: 117 Resp: 242240
Ion Ratio Lower Upper
117 100
82 57.9 42.7 64.1
119 31.4 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030239.D

Acq: 27 Jul 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

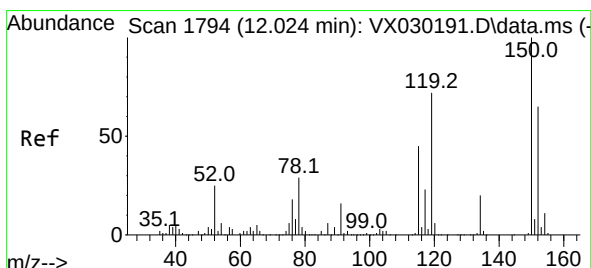
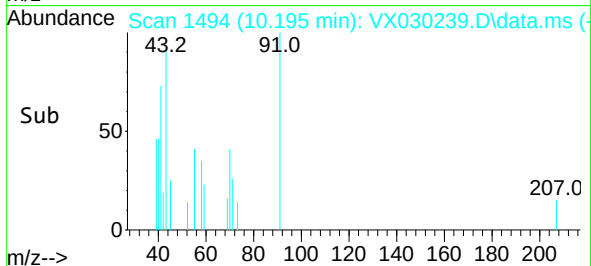
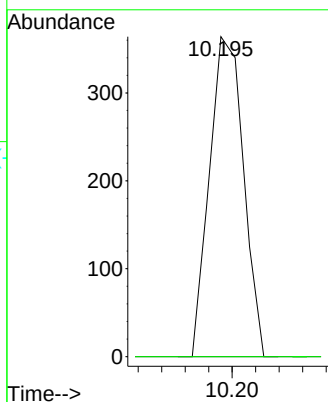
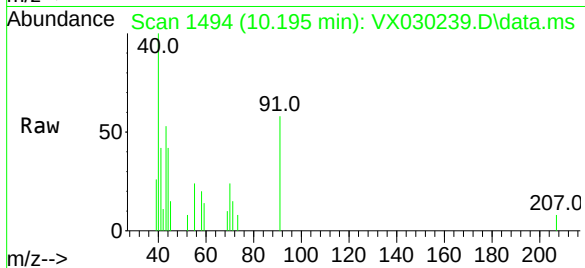
61422-A

Tgt Ion: 91 Resp: 365

Ion Ratio Lower Upper

91 100

106 0.0 25.5 38.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030239.D

Acq: 27 Jul 2022 18:12

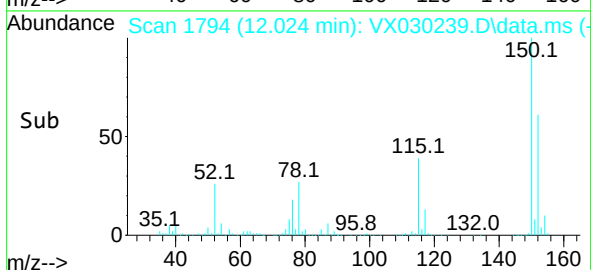
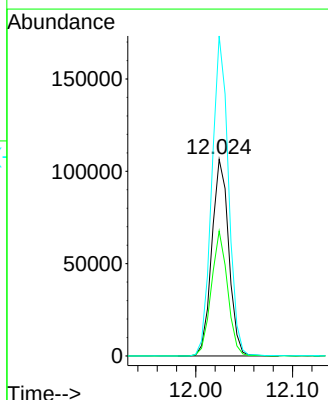
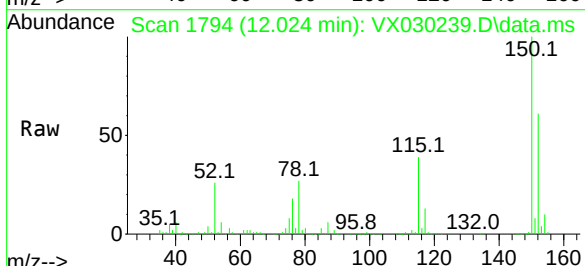
Tgt Ion:152 Resp: 129673

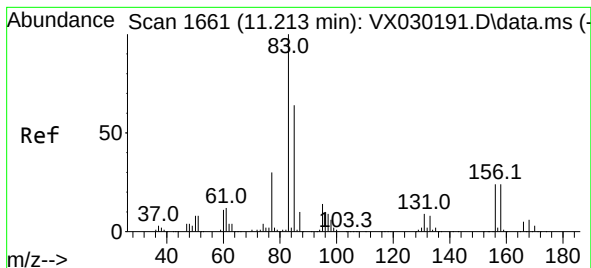
Ion Ratio Lower Upper

152 100

115 61.1 40.5 121.5

150 159.4 0.0 347.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.717 ug/l

RT: 11.158 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX030239.D

Acq: 27 Jul 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

61422-A

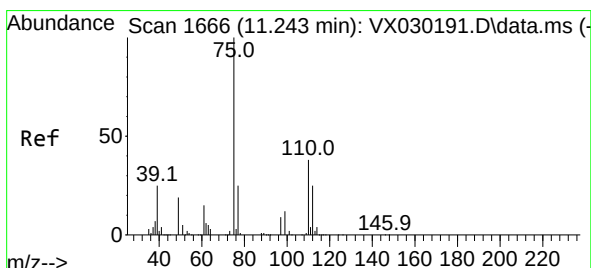
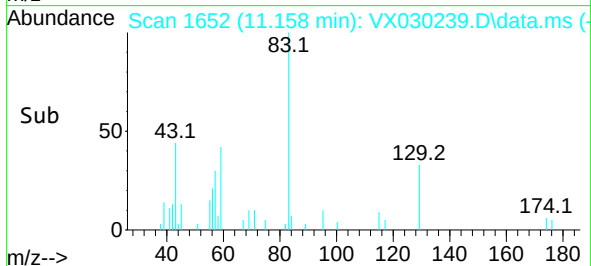
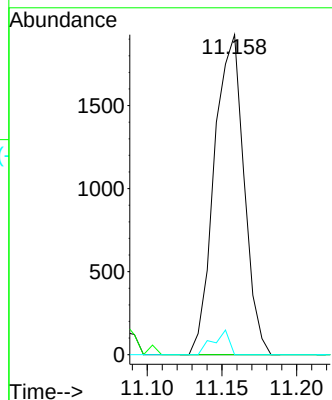
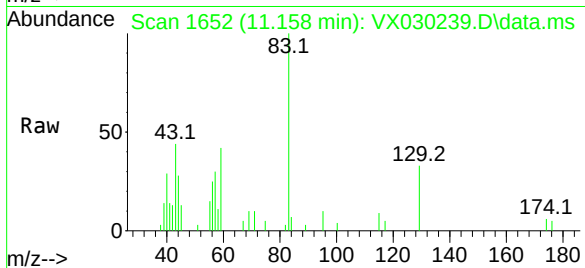
Tgt Ion: 83 Resp: 2655

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 4.2 32.5 97.5#



#76

1,2,3-Trichloropropane

Concen: 20.863 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX030239.D

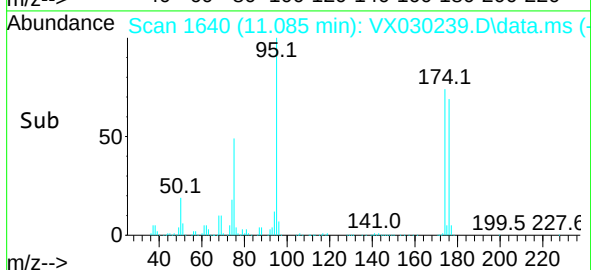
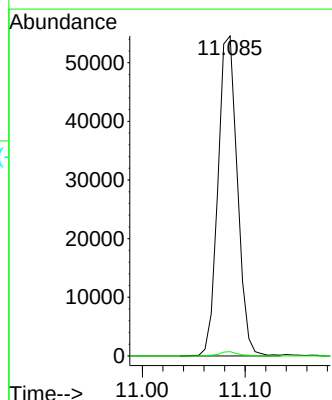
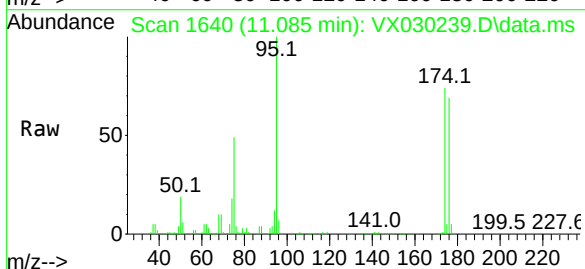
Acq: 27 Jul 2022 18:12

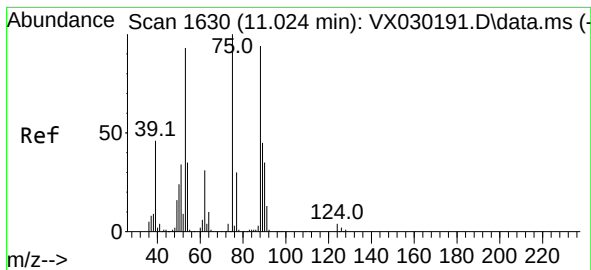
Tgt Ion: 75 Resp: 71311

Ion Ratio Lower Upper

75 100

77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.587 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030239.D
 Acq: 27 Jul 2022 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 61422-A

Tgt Ion: 75 Resp: 71311
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

