

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072722\
 Data File : VX030237.D
 Acq On : 27 Jul 2022 17:25
 Operator : JC/MD
 Sample : N3898-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 61422-C

Quant Time: Jul 28 05:52:17 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	137259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238866	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138658	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137857	49.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.940%
35) Dibromofluoromethane	5.391	113	109289	47.862	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.720%
50) Toluene-d8	8.653	98	403745	45.657	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.320%
62) 4-Bromofluorobenzene	11.085	95	144169	43.929	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.860%

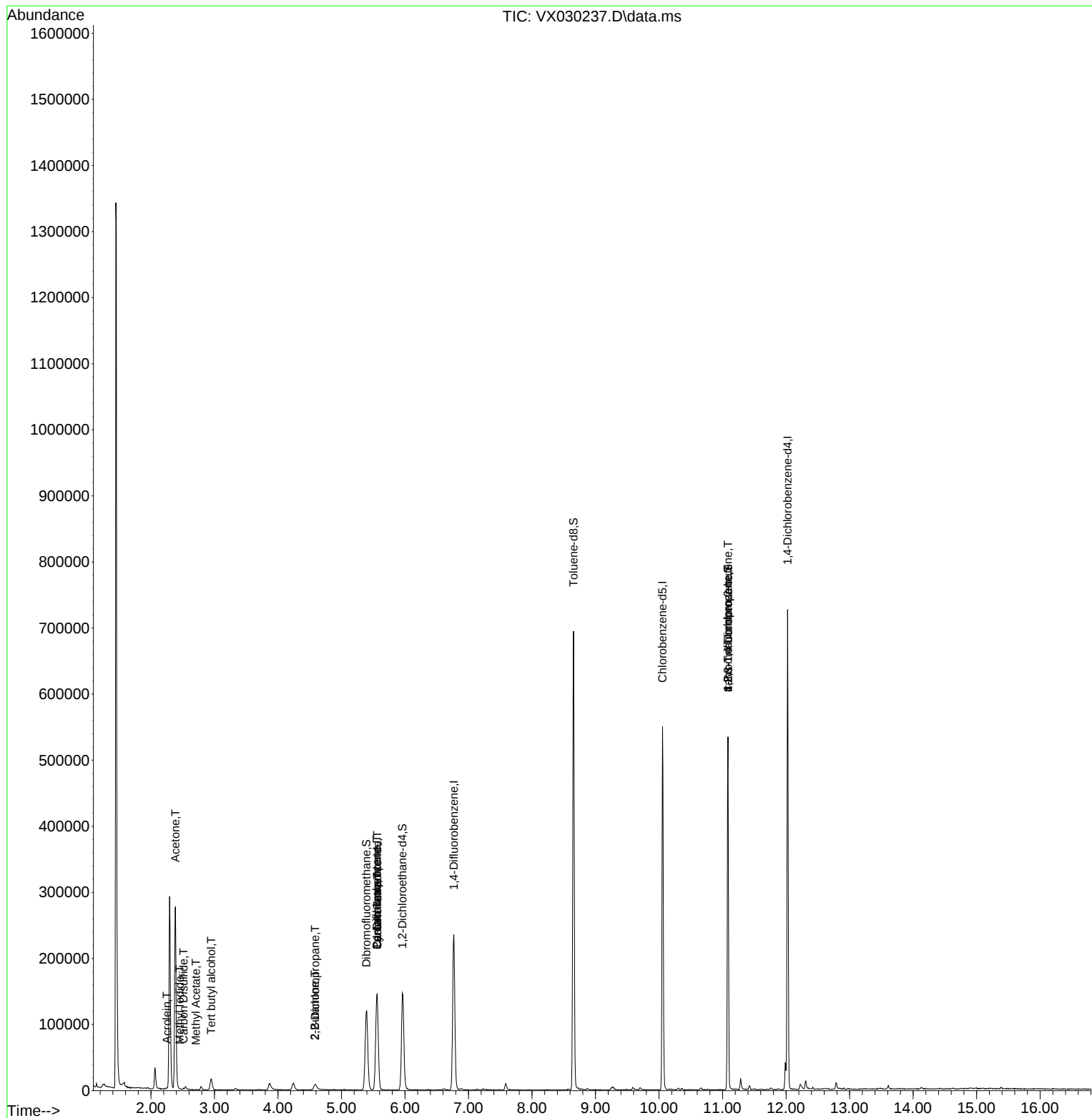
Target Compounds				Qvalue		
5) Bromomethane	1.617	94	315	Below Cal	#	2
10) Methyl Iodide	2.453	142	413	1.712	ug/l #	73
11) Tert butyl alcohol	2.946	59	9885	14.689	ug/l #	81
13) Acrolein	2.251	56	1383	8.361	ug/l	95
16) Acetone	2.386	43	291066	206.073	ug/l	94
17) Carbon Disulfide	2.514	76	1522	0.263	ug/l #	71
18) Methyl Acetate	2.709	43	1006	0.241	ug/l #	63
20) Methylene Chloride	2.788	84	1801	Below Cal		84
25) 2-Butanone	4.580	43	2724	1.148	ug/l #	64
26) 2,2-Dichloropropane	4.586	77	761	0.237	ug/l #	49
31) Cyclohexane	5.562	56	3160	0.789	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11371	3.460	ug/l #	48
38) Carbon Tetrachloride	5.562	117	13952	4.548	ug/l #	18
67) Ethyl Benzene	10.195	91	717	Below Cal	#	82
76) 1,2,3-Trichloropropane	11.085	75	73093	19.998	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	73093	59.994	ug/l #	13

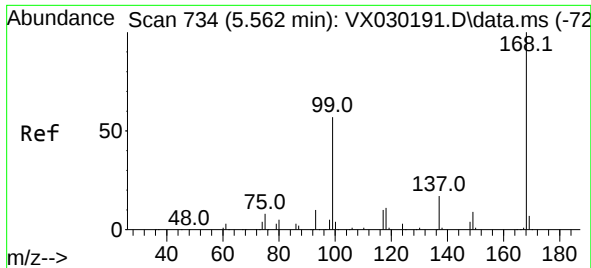
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

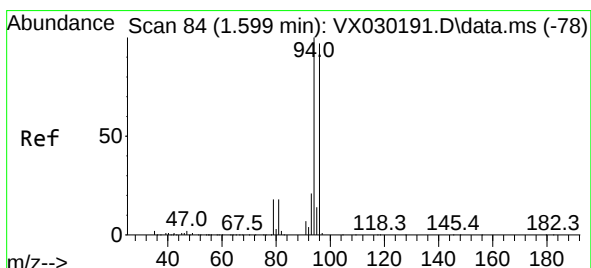
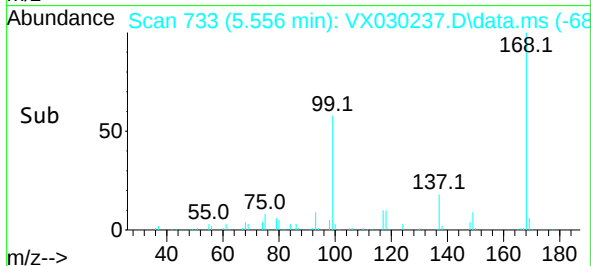
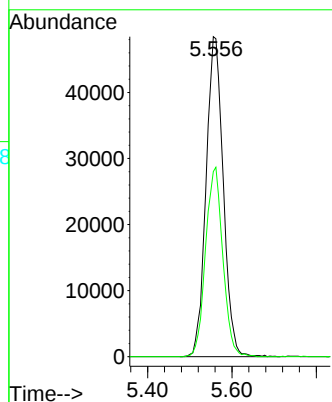
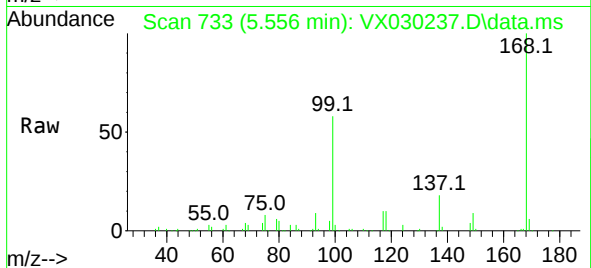




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

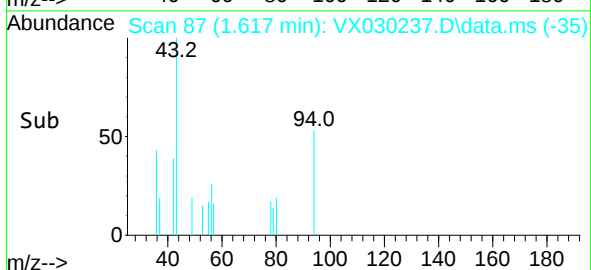
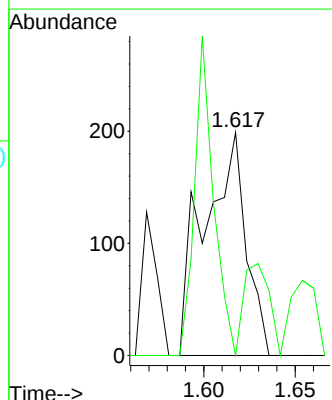
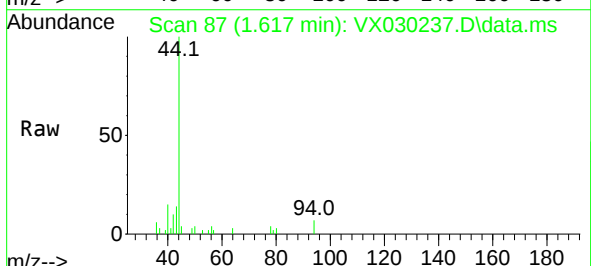
Instrument :
MSVOA_X
ClientSampleId :
61422-C

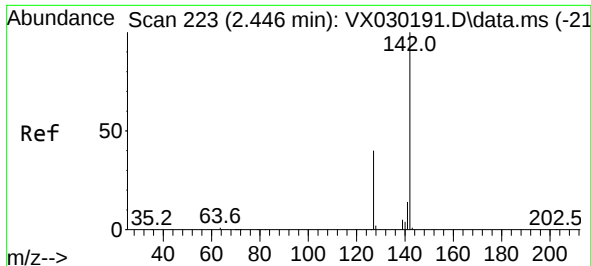
Tgt Ion:168 Resp: 137259
Ion Ratio Lower Upper
168 100
99 57.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

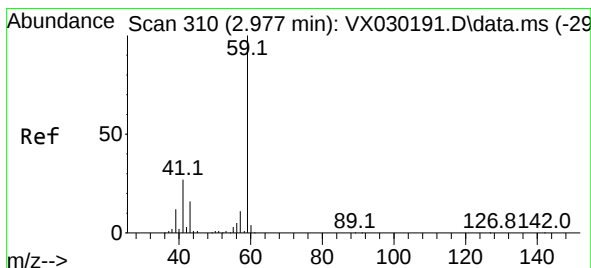
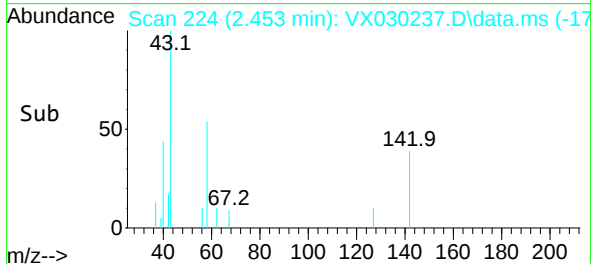
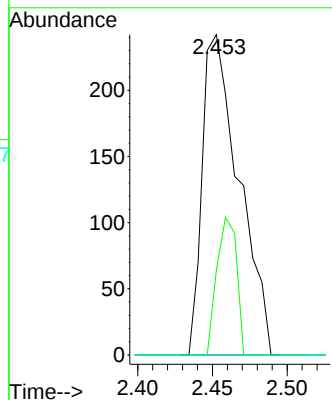
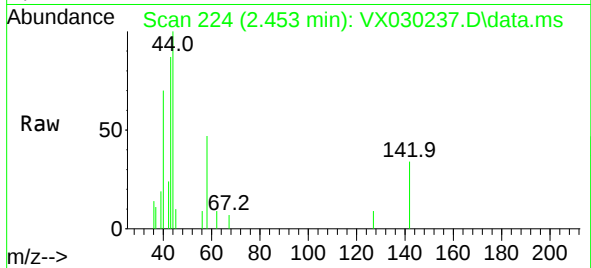




#10
Methyl Iodide
Concen: 1.712 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

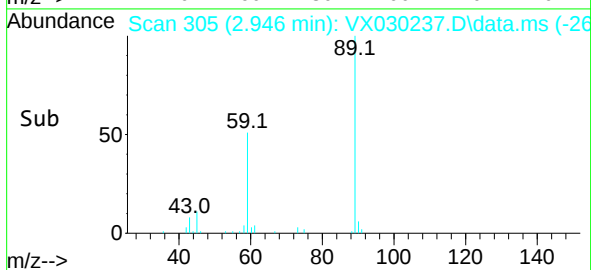
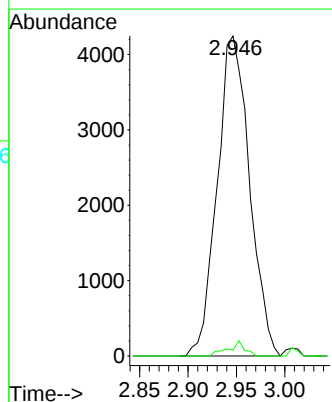
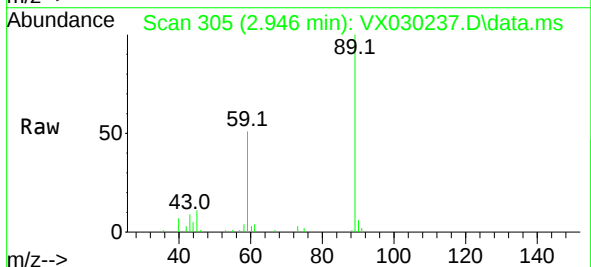
Instrument :
MSVOA_X
ClientSampleId :
61422-C

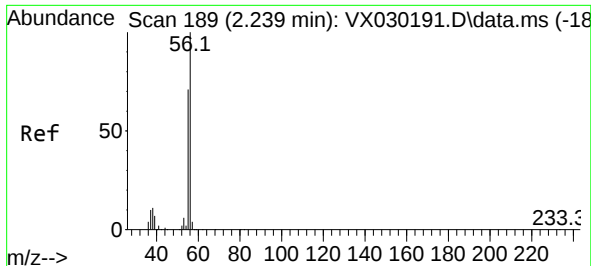
Tgt Ion:142 Resp: 413
Ion Ratio Lower Upper
142 100
127 23.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 14.689 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 59 Resp: 9885
Ion Ratio Lower Upper
59 100
57 2.4 7.4 11.2#

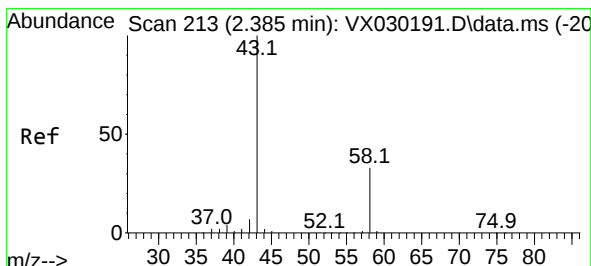
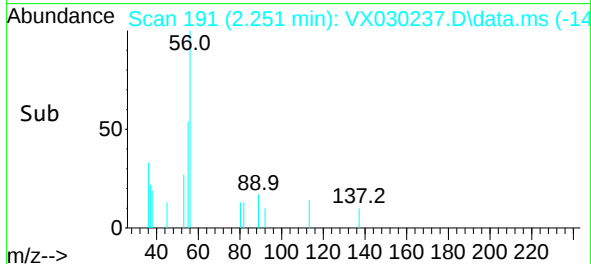
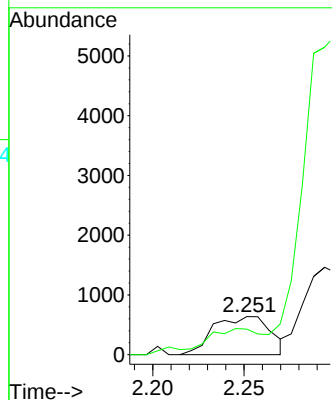
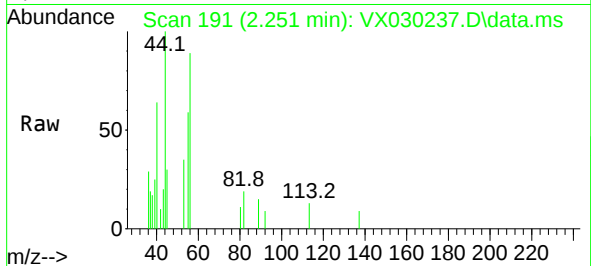




#13
Acrolein
Concen: 8.361 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

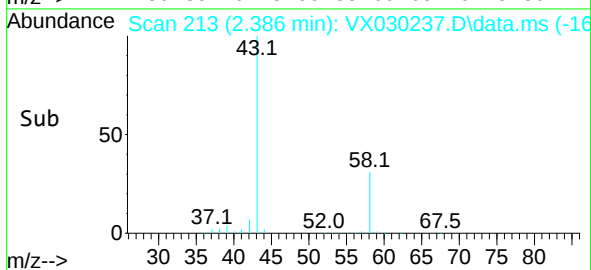
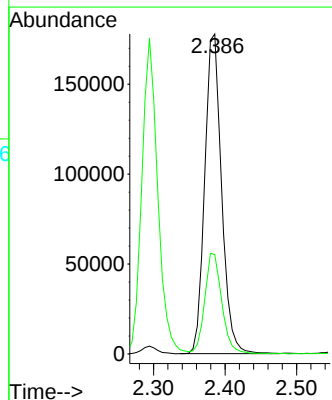
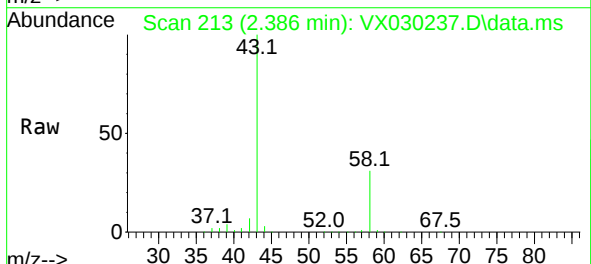
Instrument :
MSVOA_X
ClientSampleId :
61422-C

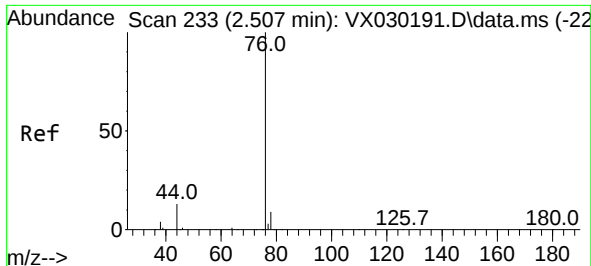
Tgt Ion: 56 Resp: 1383
Ion Ratio Lower Upper
56 100
55 74.8 56.6 84.8



#16
Acetone
Concen: 206.073 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 43 Resp: 291066
Ion Ratio Lower Upper
43 100
58 31.0 27.7 41.5

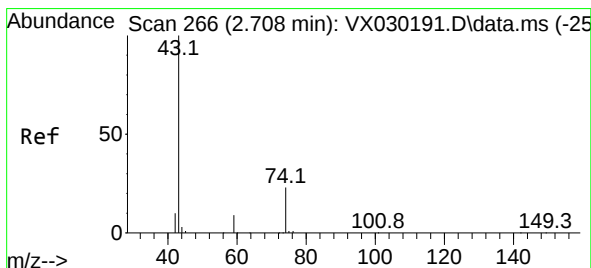
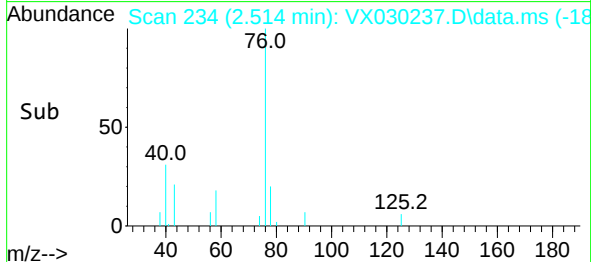
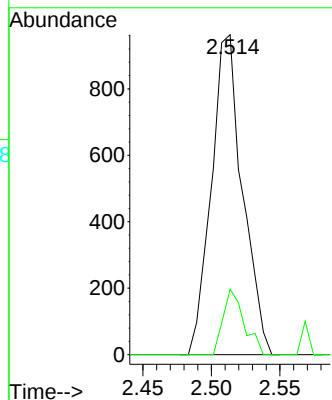
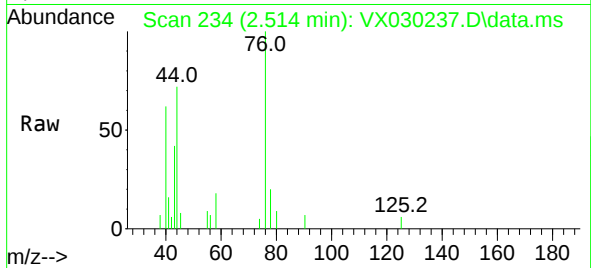




#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

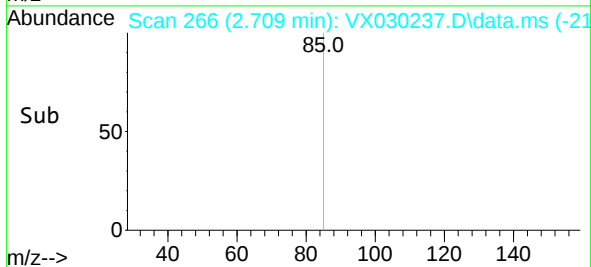
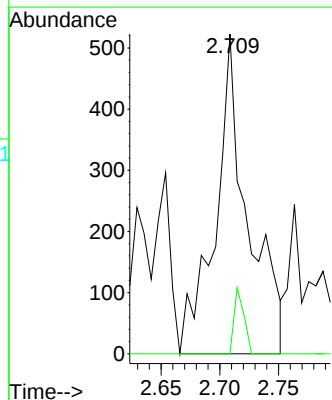
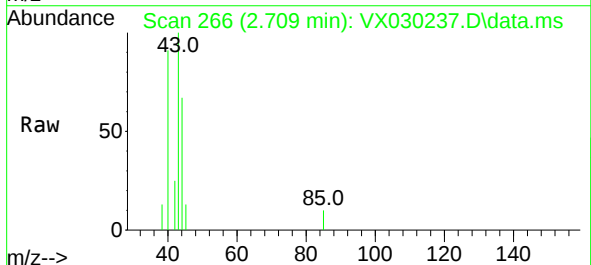
Instrument :
MSVOA_X
ClientSampleId :
61422-C

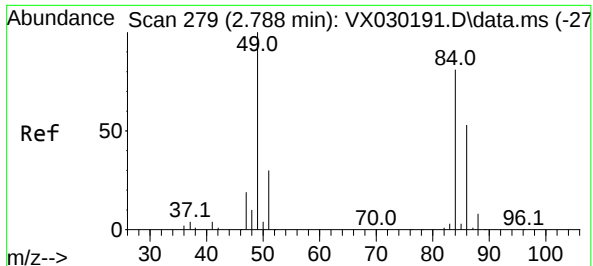
Tgt Ion: 76 Resp: 1522
Ion Ratio Lower Upper
76 100
78 20.5 7.8 11.6#



#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.001 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

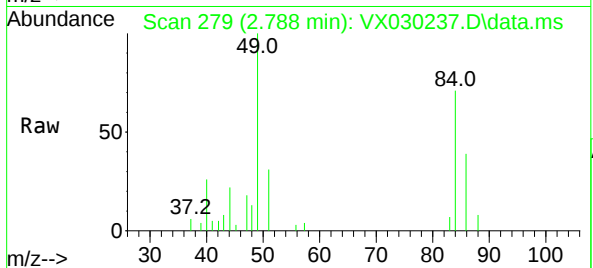
Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
74 6.2 19.4 29.2#



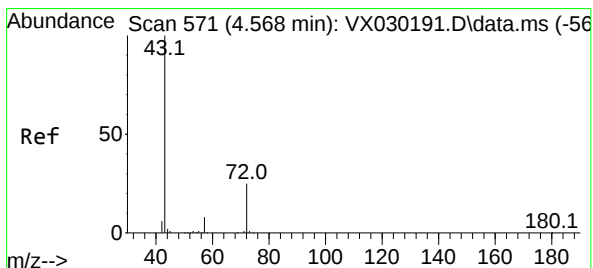
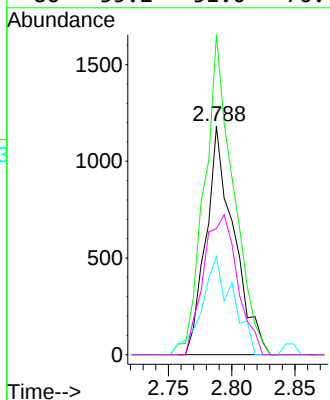


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Instrument :
MSVOA_X
ClientSampleId :
61422-C

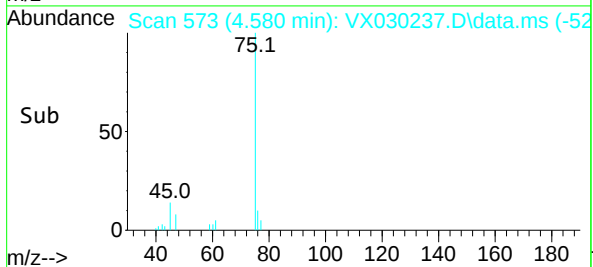
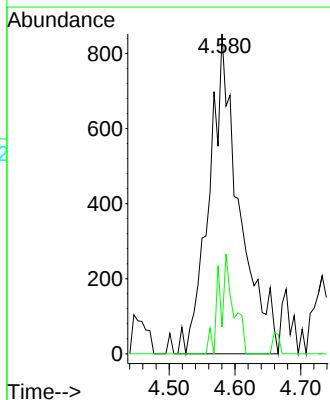
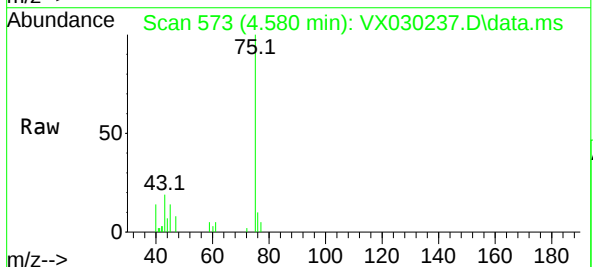


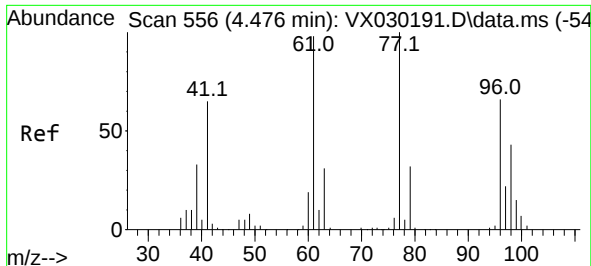
Tgt Ion:	84	Resp:	1801
Ion	Ratio	Lower	Upper
84	100		
49	140.0	93.8	140.6
51	43.0	29.4	44.0
86	55.2	51.0	76.4



#25
2-Butanone
Concen: 1.148 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion:	43	Resp:	2724
Ion	Ratio	Lower	Upper
43	100		
72	8.3	21.7	32.5





#26

2,2-Dichloropropane

Concen: 0.237 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.110 min

Lab File: VX030237.D

Acq: 27 Jul 2022 17:25

Instrument :

MSVOA_X

ClientSampleId :

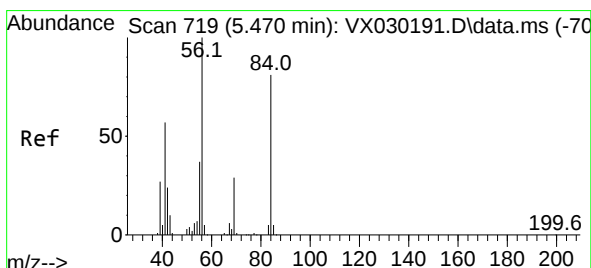
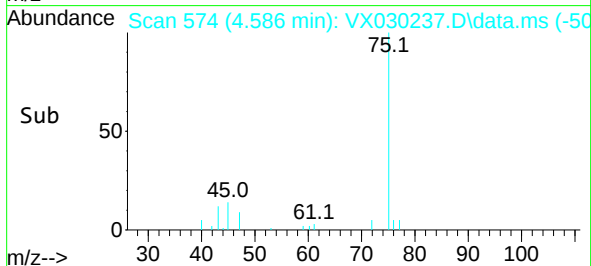
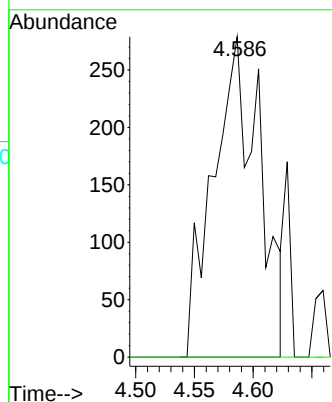
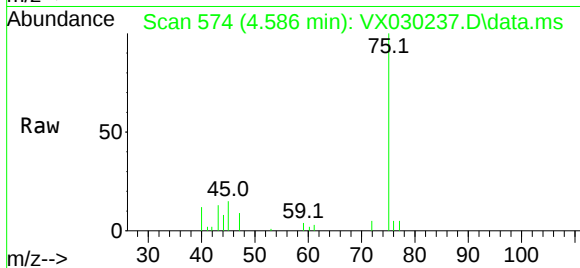
61422-C

Tgt Ion: 77 Resp: 761

Ion Ratio Lower Upper

77 100

97 0.0 13.0 39.0#



#31

Cyclohexane

Concen: 0.789 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX030237.D

Acq: 27 Jul 2022 17:25

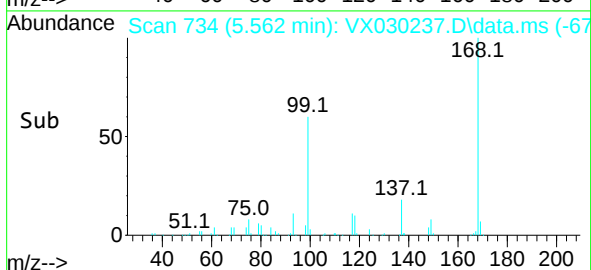
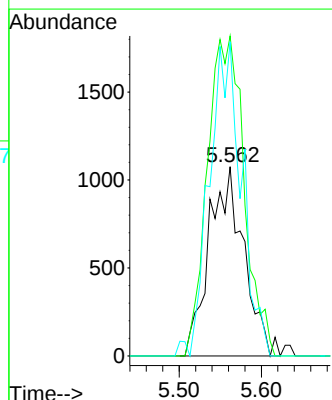
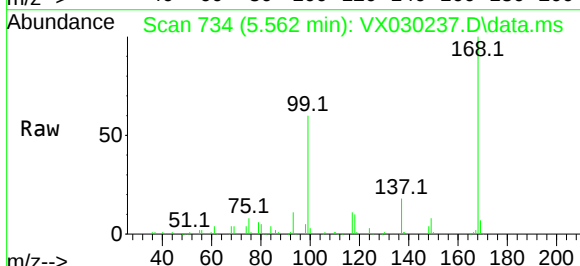
Tgt Ion: 56 Resp: 3160

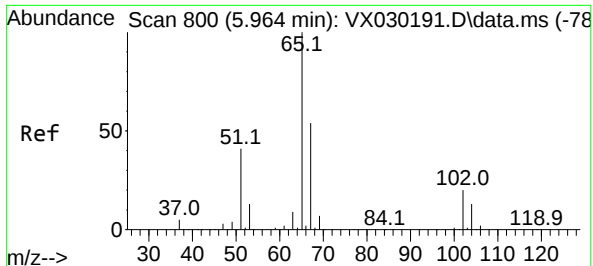
Ion Ratio Lower Upper

56 100

69 169.1 25.4 38.0#

84 166.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.970 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030237.D

Acq: 27 Jul 2022 17:25

Instrument :

MSVOA_X

ClientSampleId :

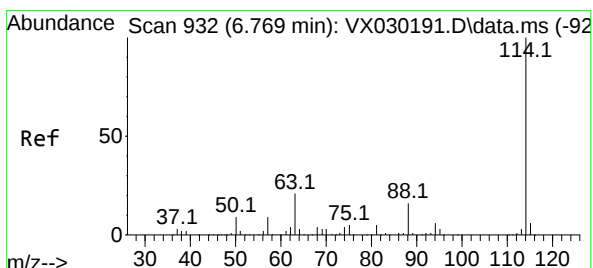
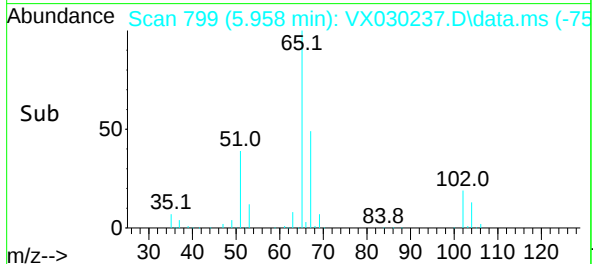
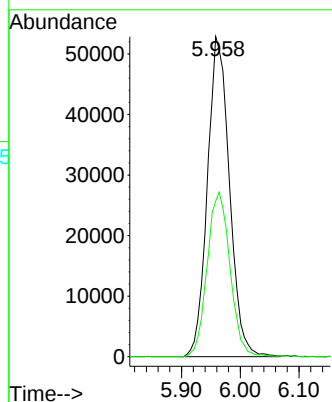
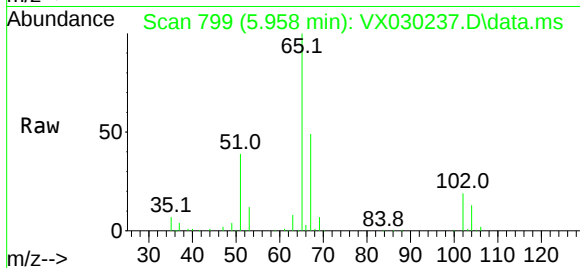
61422-C

Tgt Ion: 65 Resp: 137857

Ion Ratio Lower Upper

65 100

67 53.2 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: VX030237.D

Acq: 27 Jul 2022 17:25

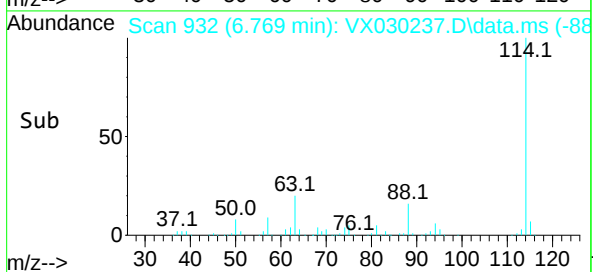
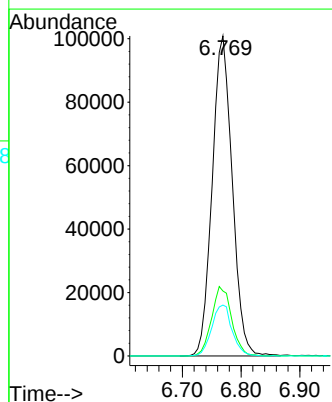
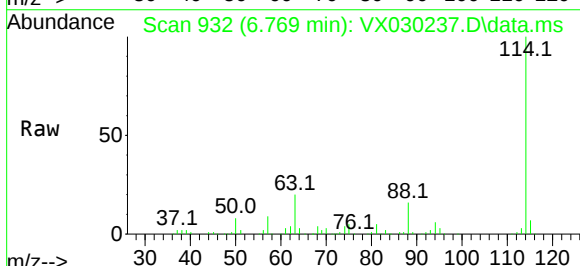
Tgt Ion: 114 Resp: 238866

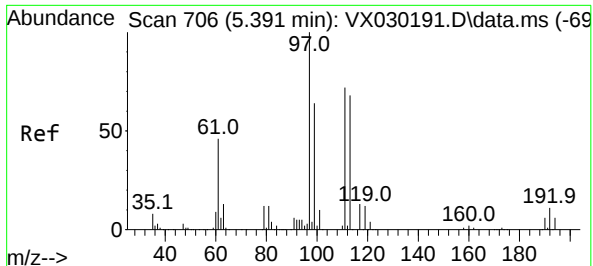
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.9 0.0 31.8

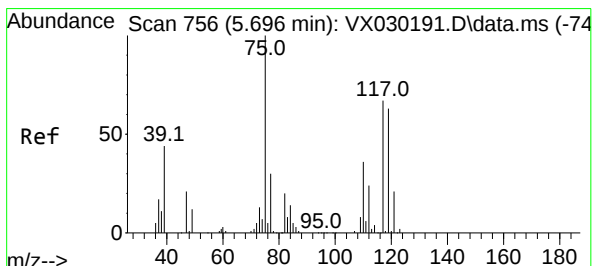
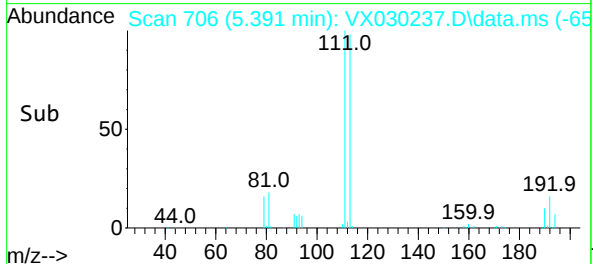
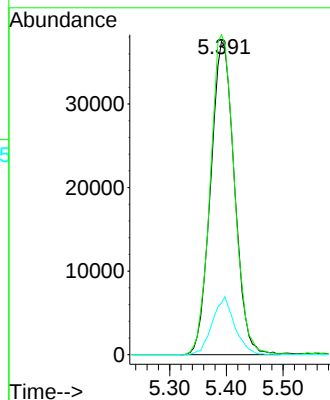
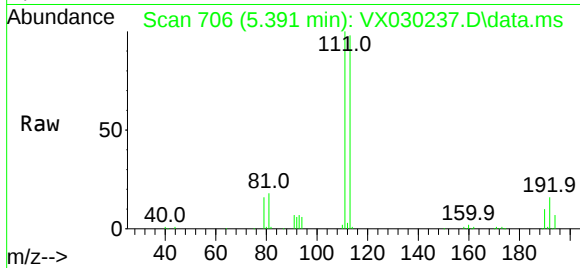




#35
Dibromofluoromethane
Concen: 47.862 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

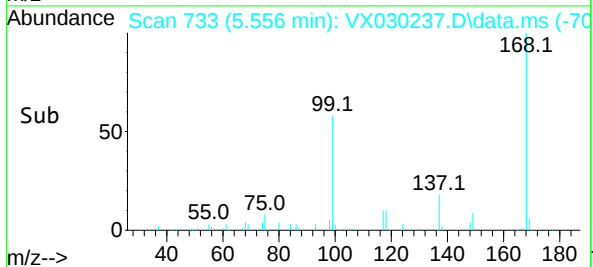
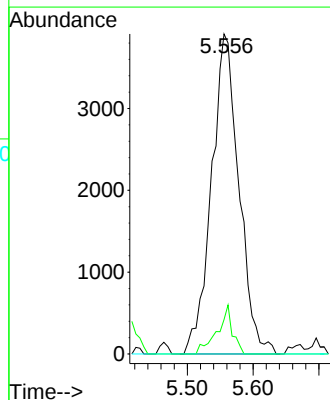
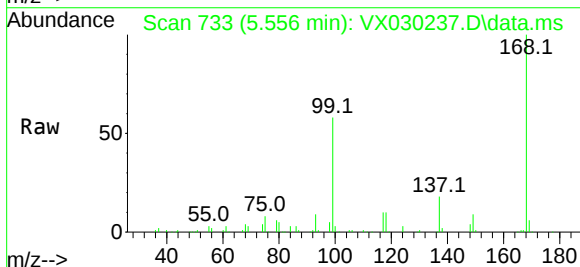
Instrument :
MSVOA_X
ClientSampleId :
61422-C

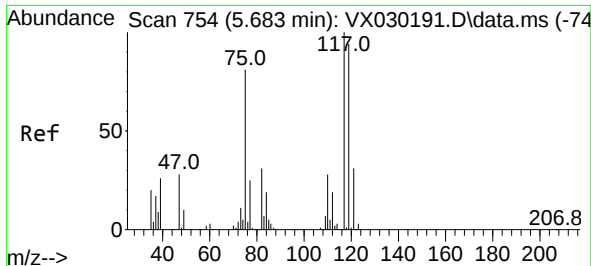
Tgt Ion:113 Resp: 109289
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 17.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.460 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 75 Resp: 11371
Ion Ratio Lower Upper
75 100
110 8.5 19.3 57.9#
77 0.0 24.4 36.6#

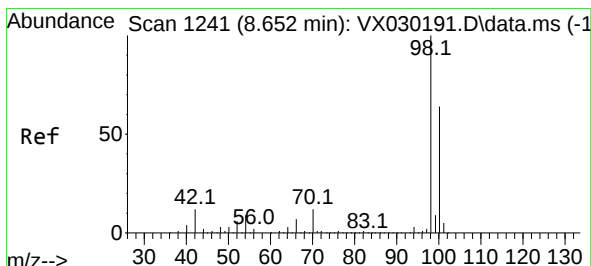
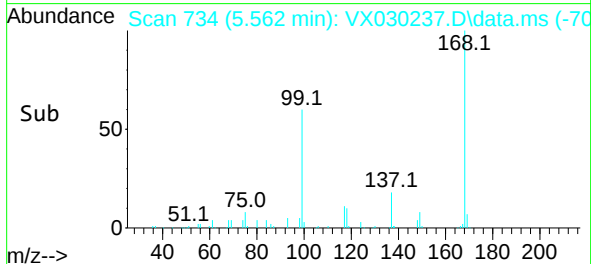
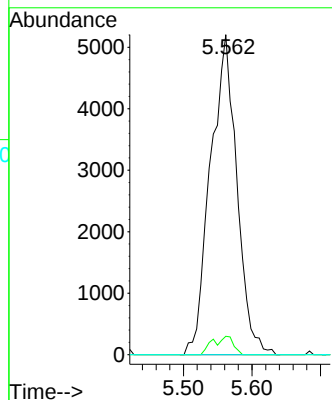
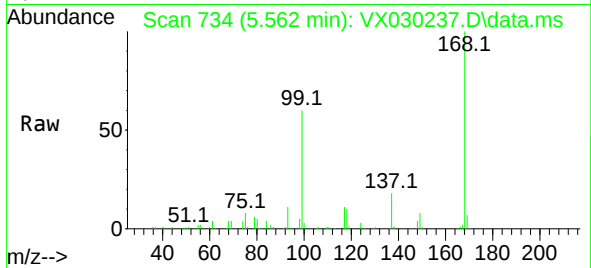




#38
Carbon Tetrachloride
Concen: 4.548 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

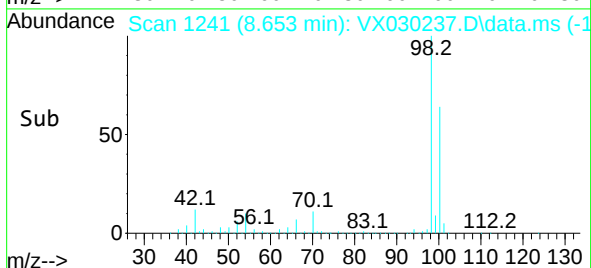
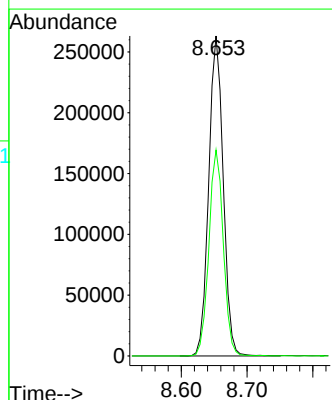
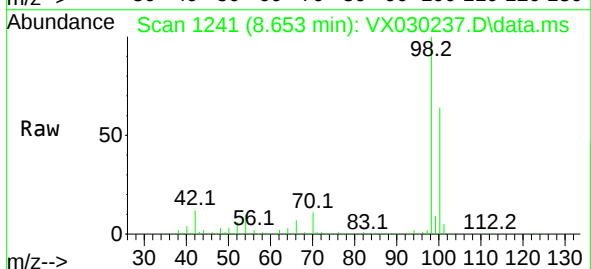
Instrument :
MSVOA_X
ClientSampleId :
61422-C

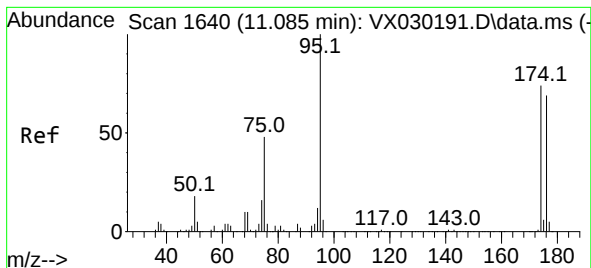
Tgt Ion:117 Resp: 13952
Ion Ratio Lower Upper
117 100
119 5.8 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 45.657 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 98 Resp: 403745
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

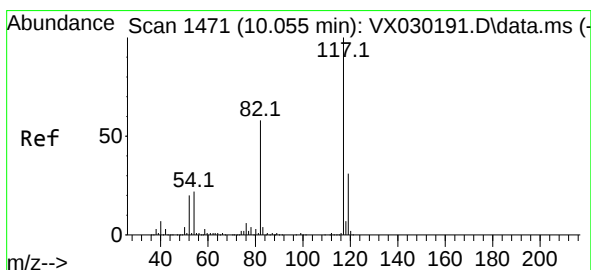
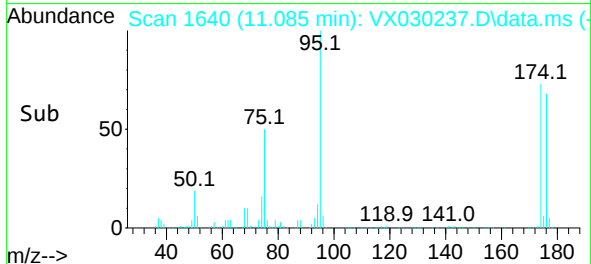
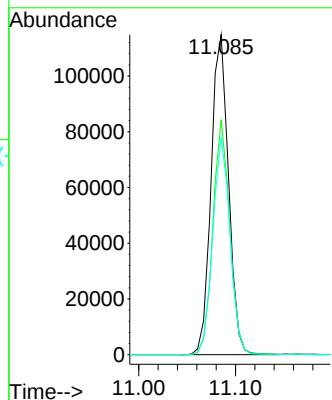
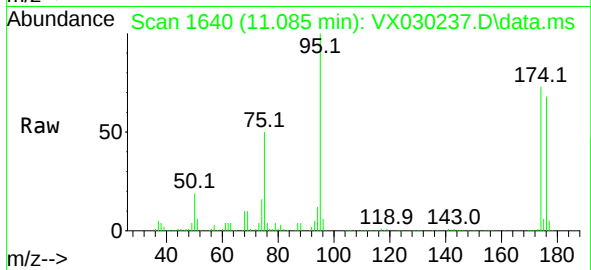




#62
4-Bromofluorobenzene
Concen: 43.929 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

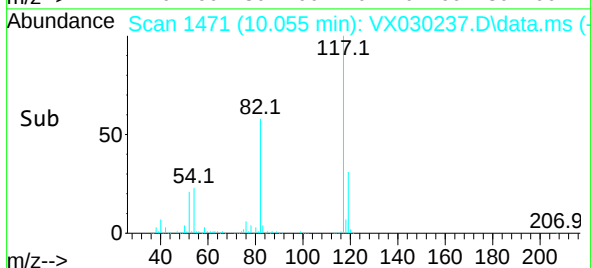
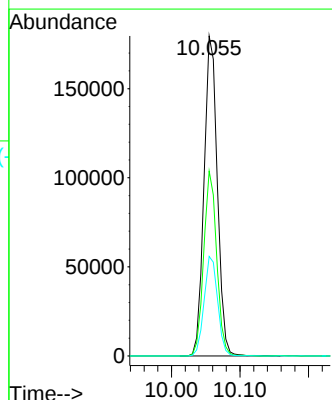
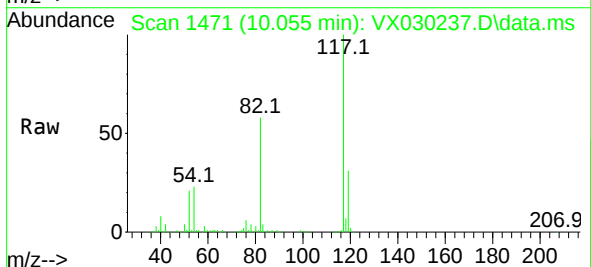
Instrument :
MSVOA_X
ClientSampleId :
61422-C

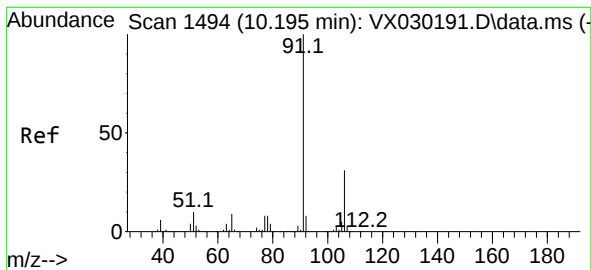
Tgt Ion: 95 Resp: 144169
Ion Ratio Lower Upper
95 100
174 70.9 0.0 149.0
176 67.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 117 Resp: 243231
Ion Ratio Lower Upper
117 100
82 57.8 42.7 64.1
119 31.1 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030237.D

Acq: 27 Jul 2022 17:25

Instrument :

MSVOA_X

ClientSampleId :

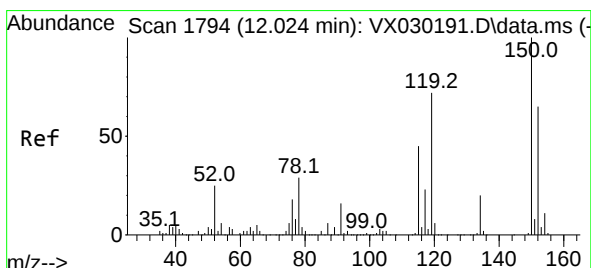
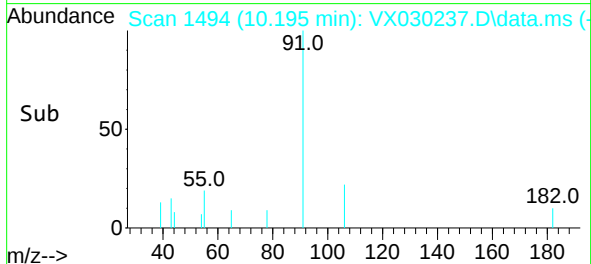
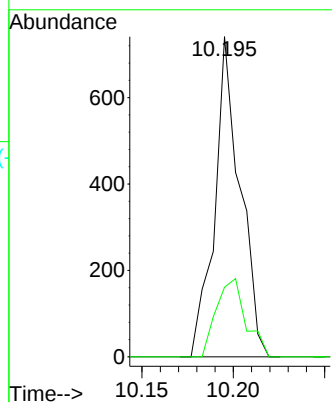
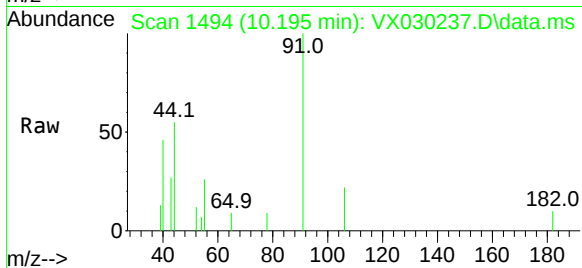
61422-C

Tgt Ion: 91 Resp: 717

Ion Ratio Lower Upper

91 100

106 21.7 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: VX030237.D

Acq: 27 Jul 2022 17:25

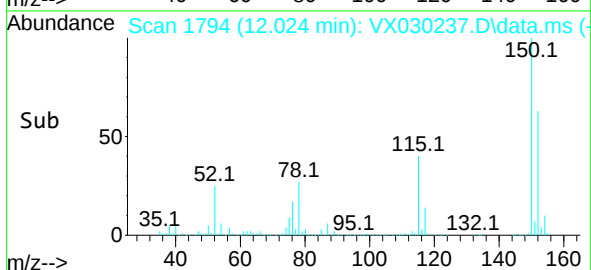
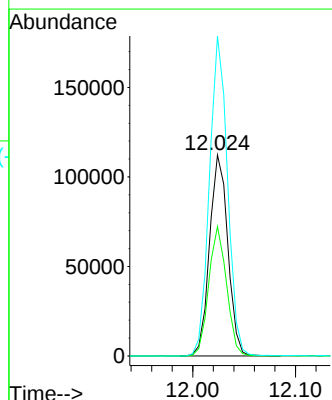
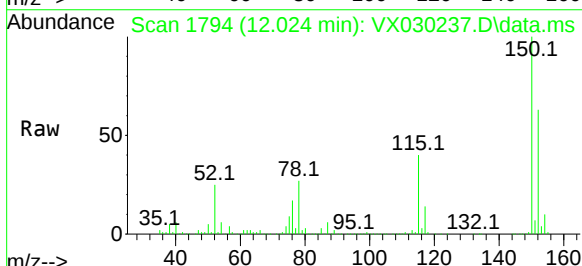
Tgt Ion:152 Resp: 138658

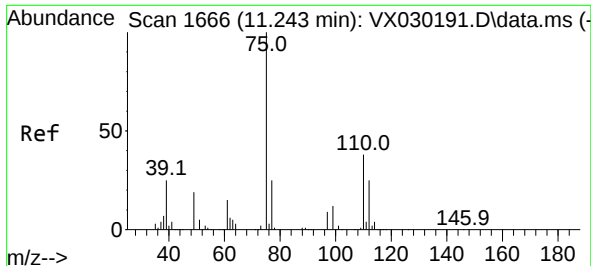
Ion Ratio Lower Upper

152 100

115 62.6 40.5 121.5

150 157.4 0.0 347.0

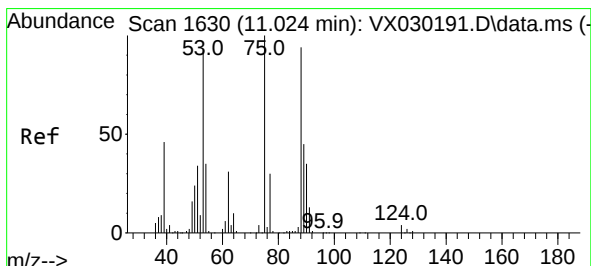
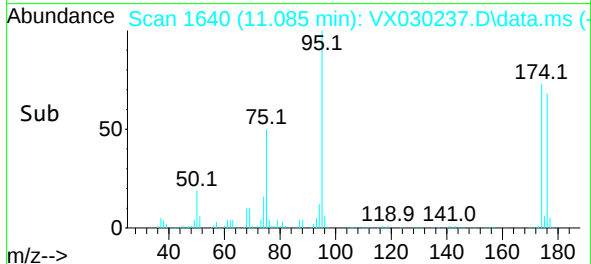
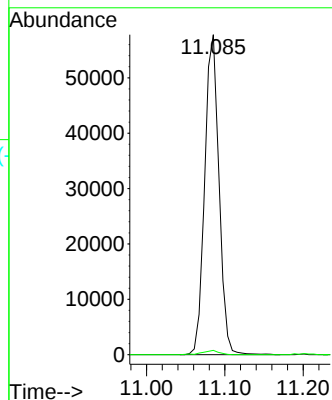
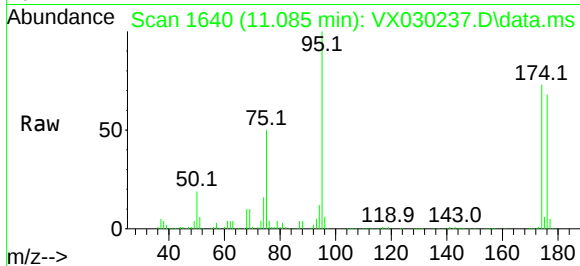




#76
1,2,3-Trichloropropane
Concen: 19.998 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Instrument :
MSVOA_X
ClientSampleId :
61422-C

Tgt Ion: 75 Resp: 73093
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.994 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030237.D
Acq: 27 Jul 2022 17:25

Tgt Ion: 75 Resp: 73093
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

