

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035696.D
 Acq On : 16 May 2023 17:12
 Operator : JC/MD
 Sample : 02615-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-2

Quant Time: May 17 05:33:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

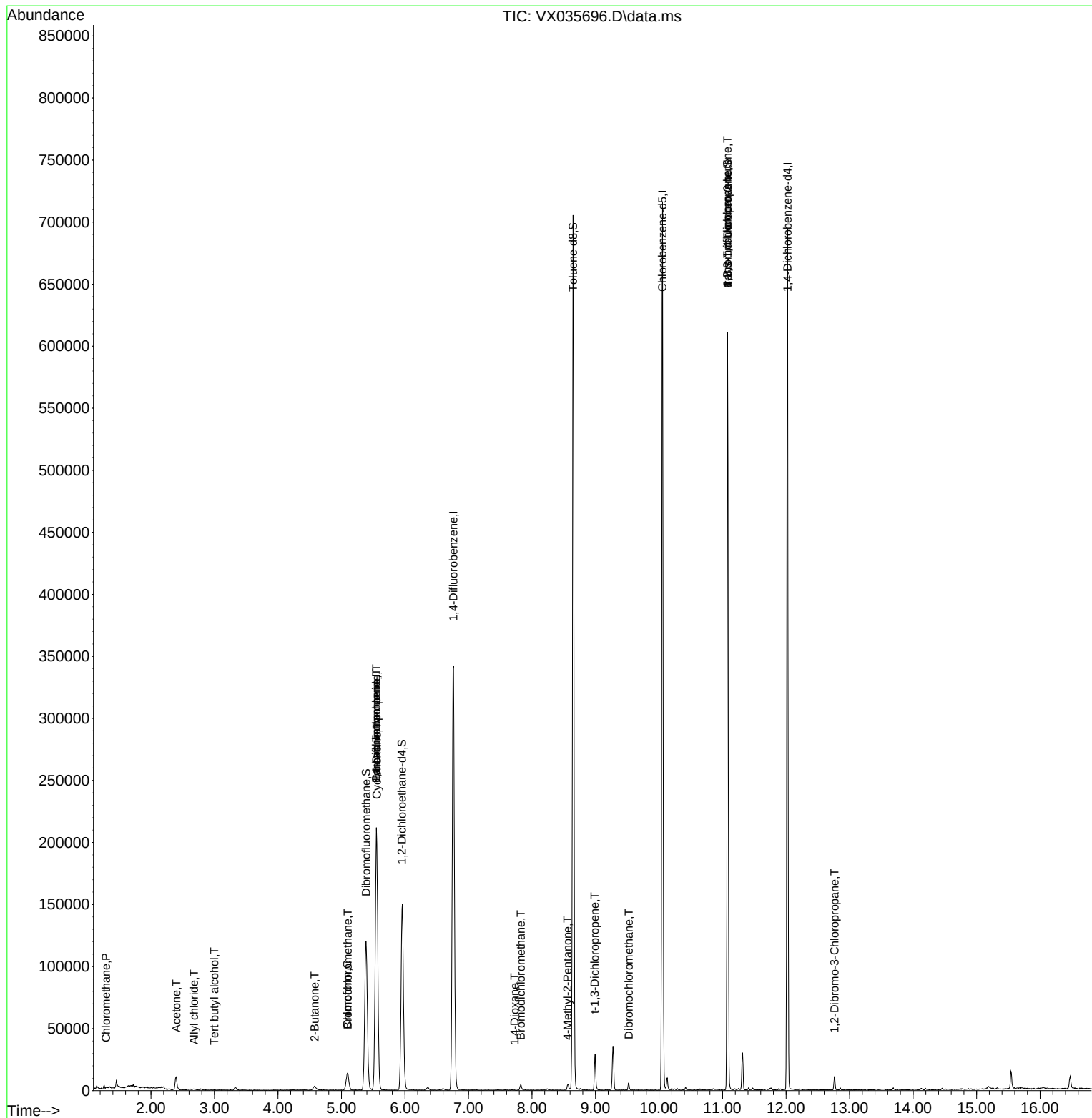
Internal Standards						
1) Pentafluorobenzene	5.550	168	175878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	325920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	147800	48.171	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.340%		
35) Dibromofluoromethane	5.385	113	104961	47.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.500%		
50) Toluene-d8	8.647	98	391998	48.276	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	159923	48.915	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.820%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	912	0.328	ug/l	91
11) Tert butyl alcohol	2.995	59	125	0.231	ug/l #	73
14) Allyl chloride	2.678	41	989	0.236	ug/l #	49
16) Acetone	2.398	43	14523	11.013	ug/l	89
25) 2-Butanone	4.574	43	2468	1.352	ug/l #	87
28) Bromochloromethane	5.099	49	1480	0.749	ug/l #	15
30) Chloroform	5.092	83	16046	3.564	ug/l	91
31) Cyclohexane	5.556	56	4873	1.257	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	17078	4.922	ug/l #	50
38) Carbon Tetrachloride	5.550	117	21003	6.391	ug/l #	15
47) Bromodichloromethane	7.824	83	2857	0.840	ug/l #	87
49) 1,4-Dioxane	7.726	88	205	4.967	ug/l #	32
51) 4-Methyl-2-Pentanone	8.561	43	5035	1.385	ug/l #	44
53) t-1,3-Dichloropropene	8.988	75	1694	0.458	ug/l	100
60) Dibromochloromethane	9.525	129	713	0.311	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	88055	27.215	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	88055	87.711	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	304	0.378	ug/l #	5

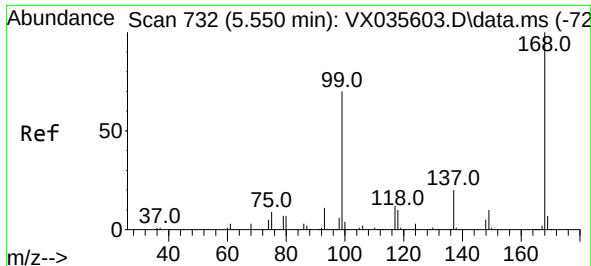
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

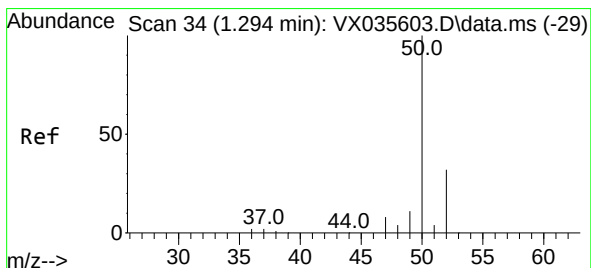
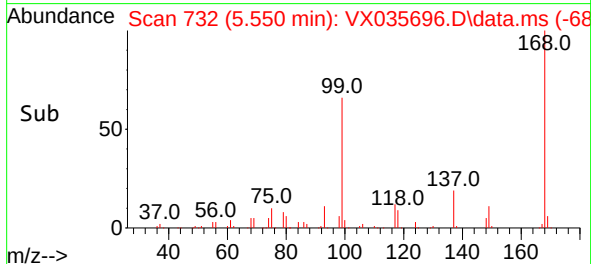
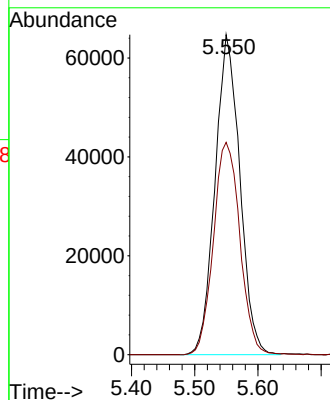
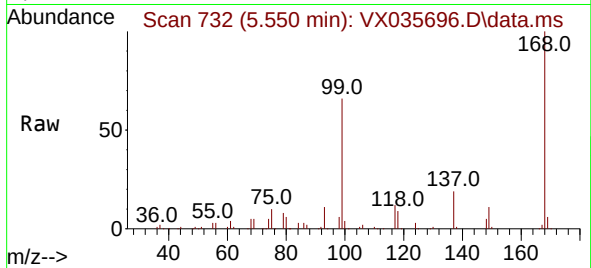




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

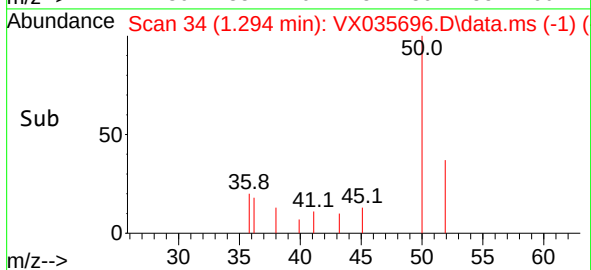
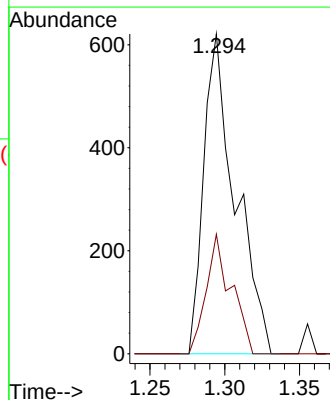
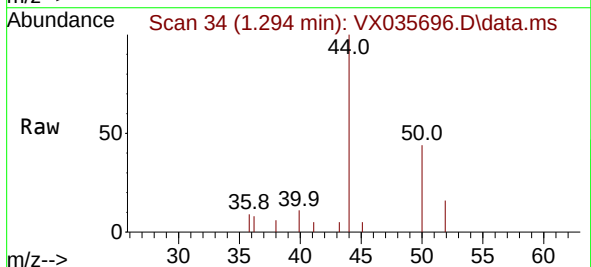
Instrument :
MSVOA_X
ClientSampleId :
001-2

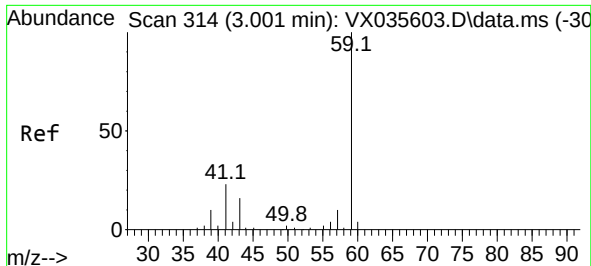
Tgt Ion:168 Resp: 175878
Ion Ratio Lower Upper
168 100
99 66.4 45.7 68.5



#3
Chloromethane
Concen: 0.328 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 37.4 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.231 ug/l

RT: 2.995 min Scan# 314

Delta R.T. -0.006 min

Lab File: VX035696.D

Acq: 16 May 2023 17:12

Instrument :

MSVOA_X

ClientSampleId :

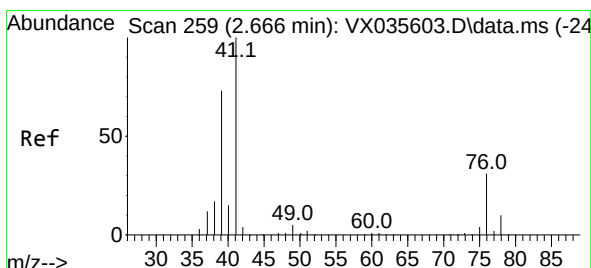
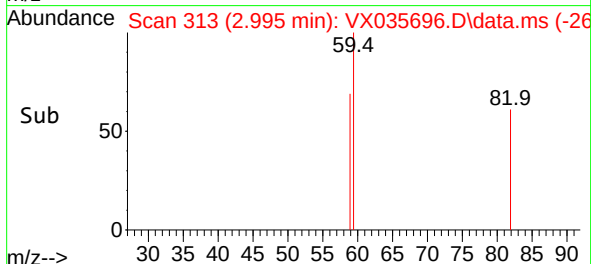
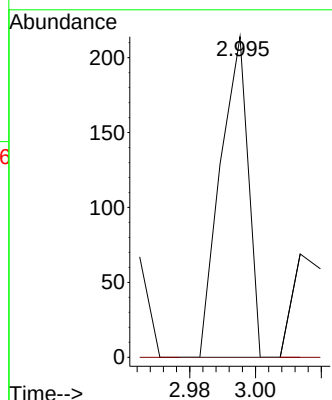
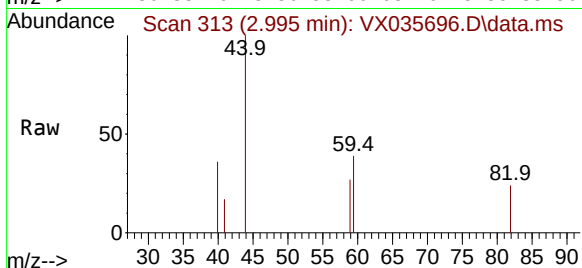
001-2

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#14

Allyl chloride

Concen: 0.236 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.012 min

Lab File: VX035696.D

Acq: 16 May 2023 17:12

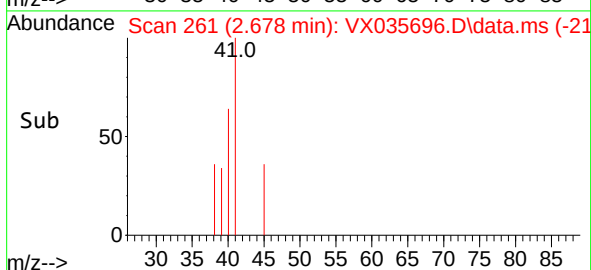
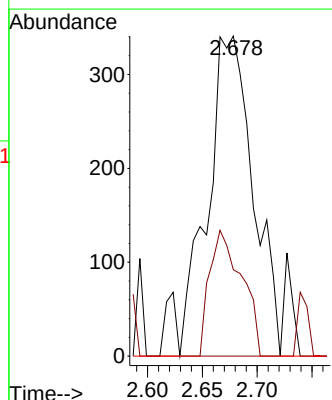
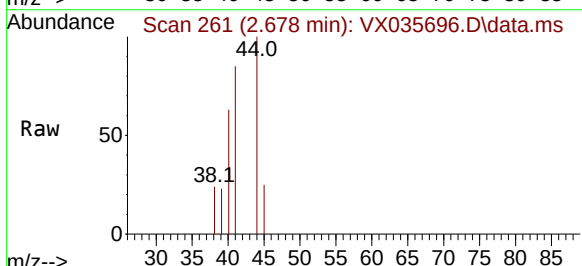
Tgt Ion: 41 Resp: 989

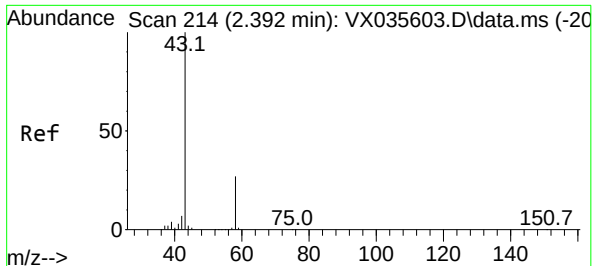
Ion Ratio Lower Upper

41 100

39 27.7 52.4 78.6#

76 0.0 26.0 39.0#

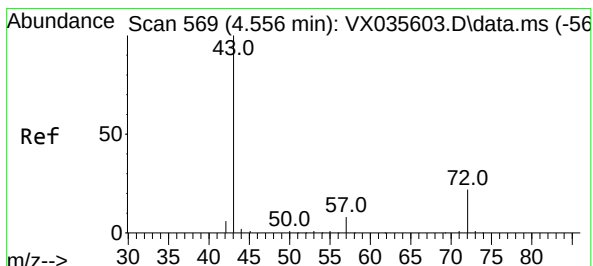
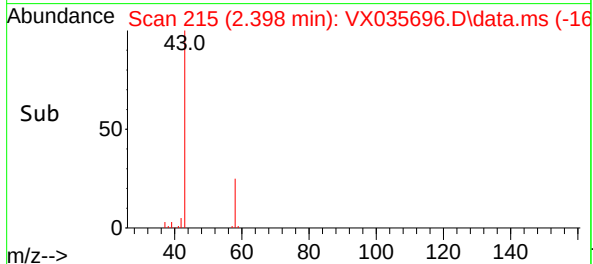
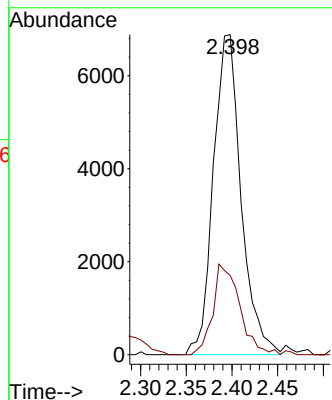
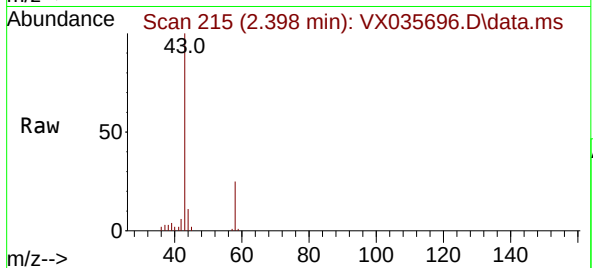




#16
Acetone
Concen: 11.013 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

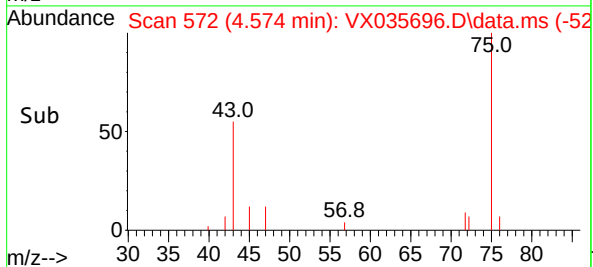
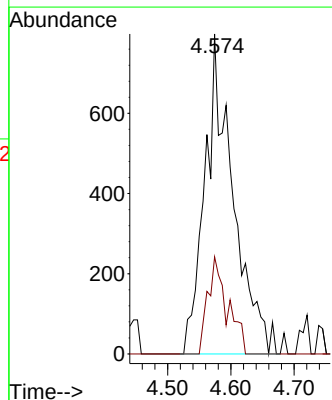
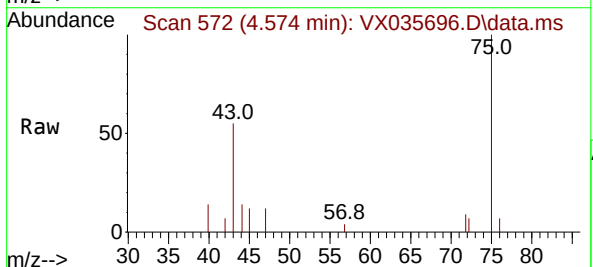
Instrument :
MSVOA_X
ClientSampleId :
001-2

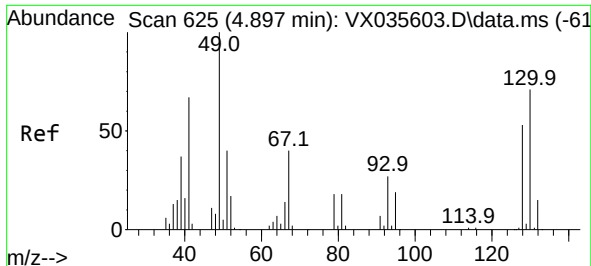
Tgt Ion: 43 Resp: 14523
Ion Ratio Lower Upper
43 100
58 24.8 24.7 37.1



#25
2-Butanone
Concen: 1.352 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 43 Resp: 2468
Ion Ratio Lower Upper
43 100
72 30.3 19.3 28.9#





#28

Bromochloromethane

Concen: 0.749 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.202 min

Lab File: VX035696.D

Acq: 16 May 2023 17:12

Instrument :

MSVOA_X

ClientSampleId :

001-2

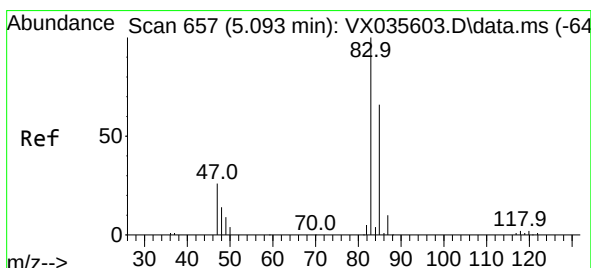
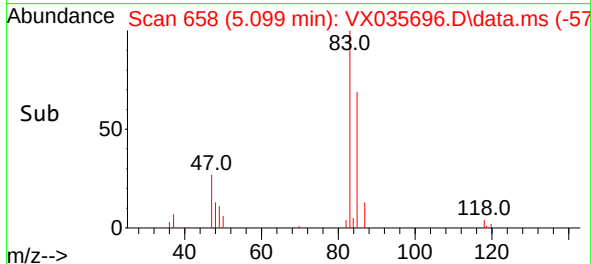
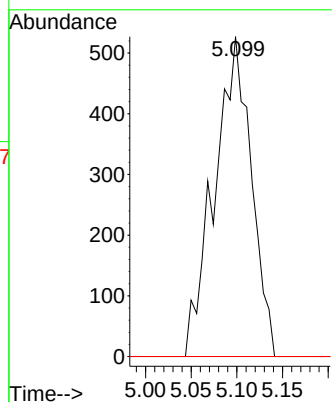
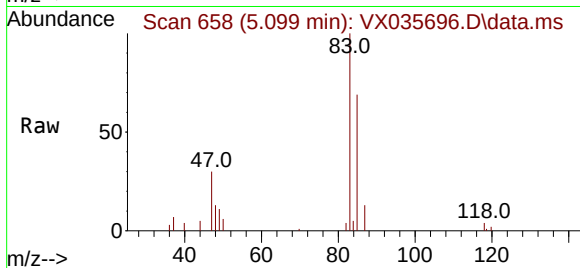
Tgt Ion: 49 Resp: 1480

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.2 87.2#



#30

Chloroform

Concen: 3.564 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.001 min

Lab File: VX035696.D

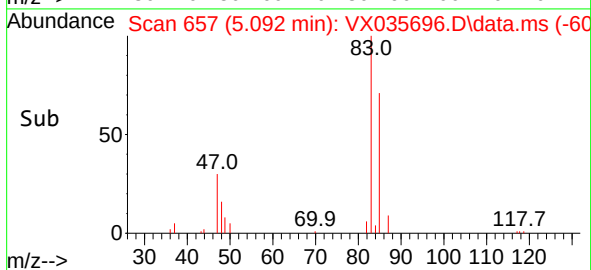
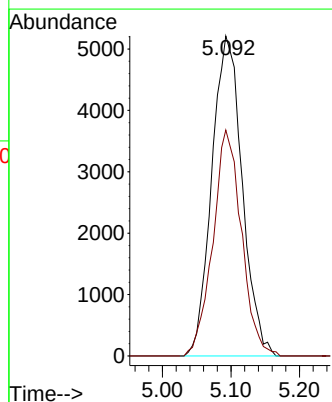
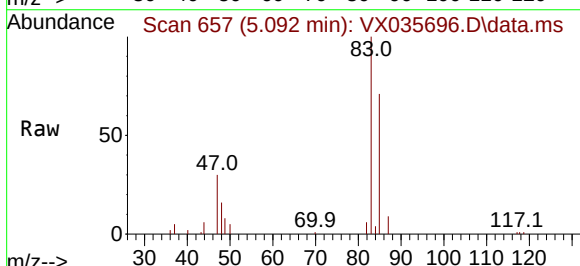
Acq: 16 May 2023 17:12

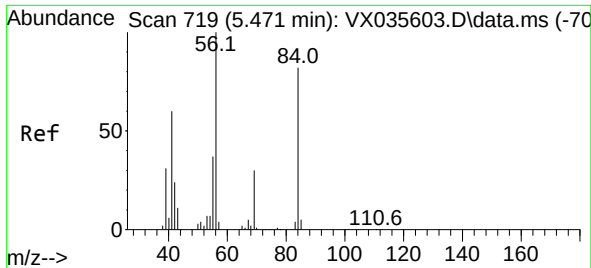
Tgt Ion: 83 Resp: 16046

Ion Ratio Lower Upper

83 100

85 70.6 50.6 76.0

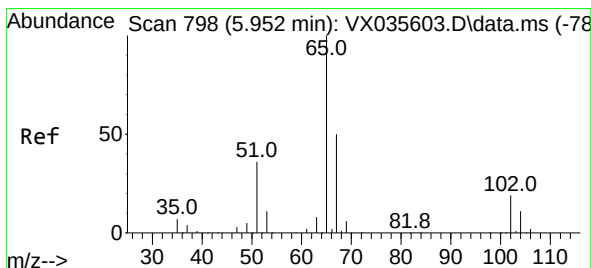
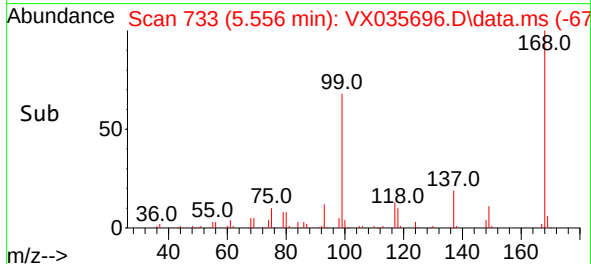
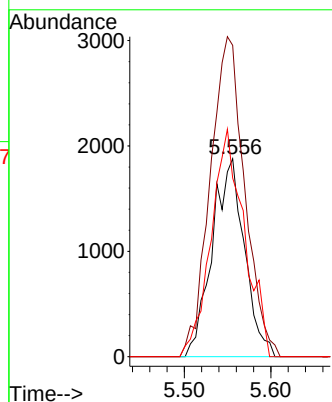
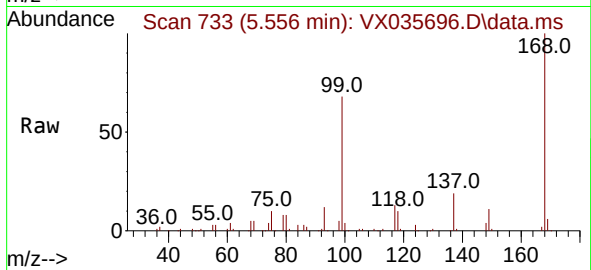




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

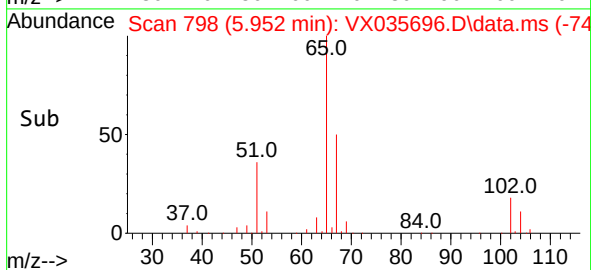
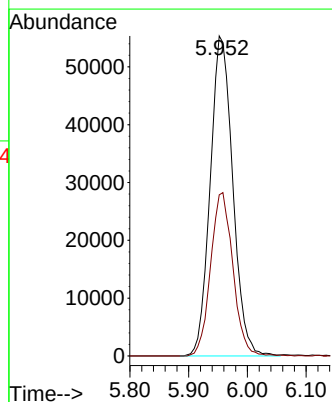
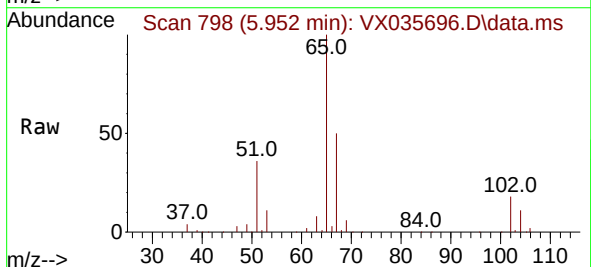
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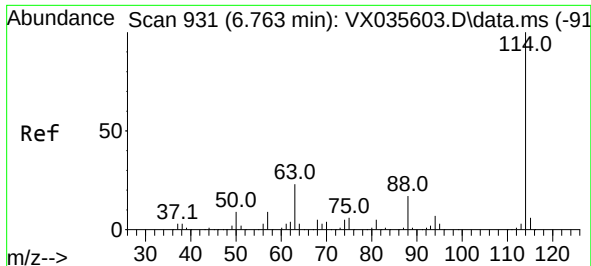
Tgt Ion: 56 Resp: 4873
Ion Ratio Lower Upper
56 100
69 157.3 23.7 35.5#
84 90.3 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 48.171 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 65 Resp: 147800
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.0

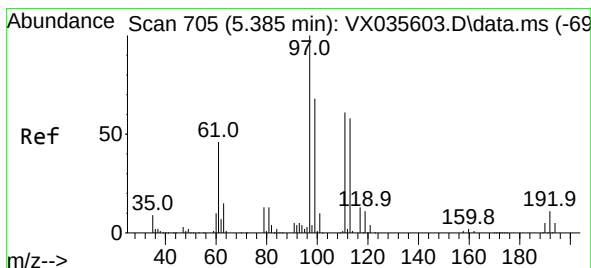
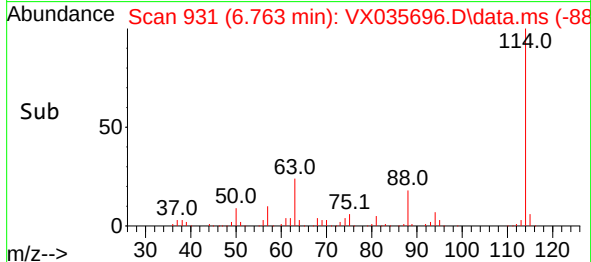
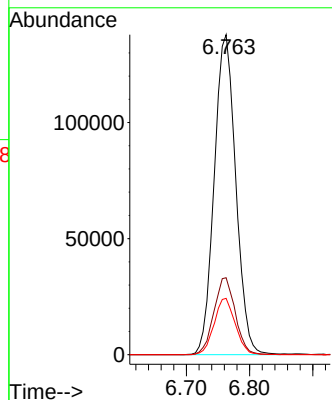
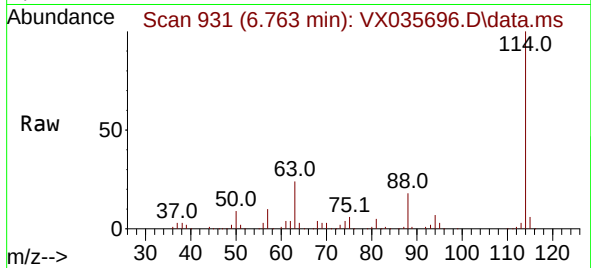




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

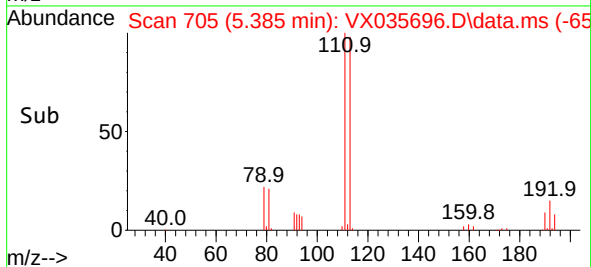
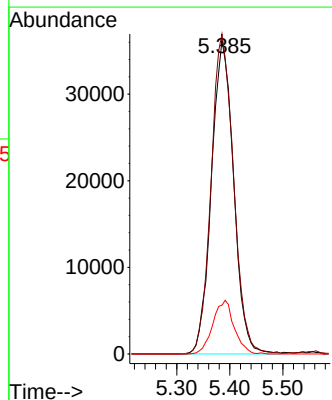
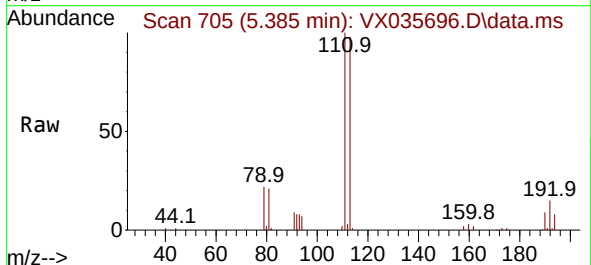
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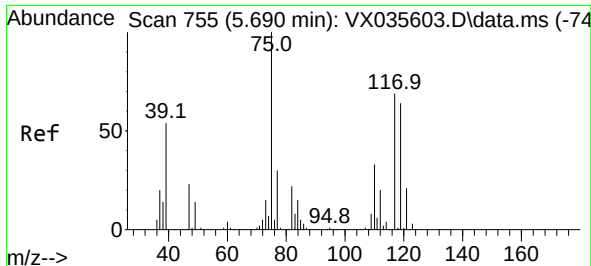
Tgt Ion:114 Resp: 325920
Ion Ratio Lower Upper
114 100
63 24.1 0.0 42.2
88 17.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.753 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion:113 Resp: 104961
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 16.4 15.4 23.2

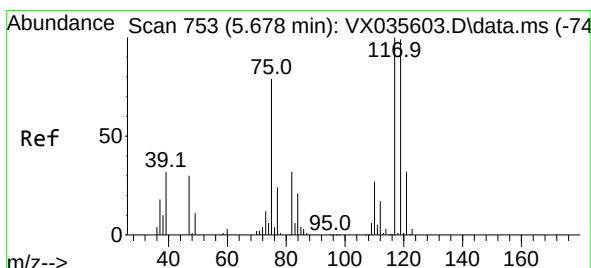
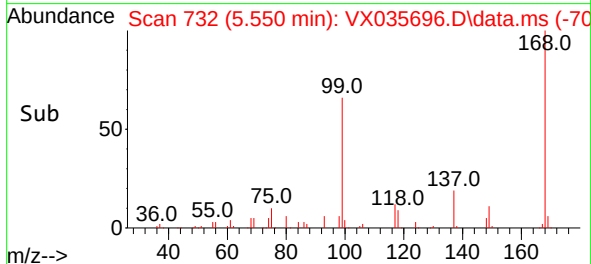
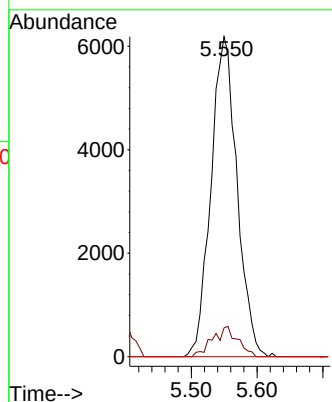
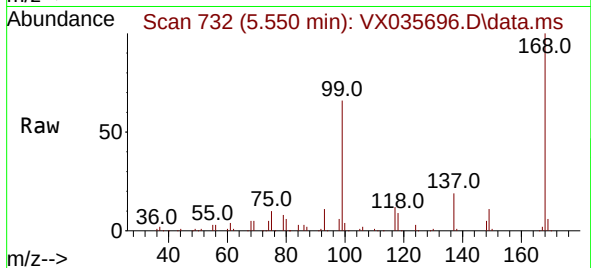




#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

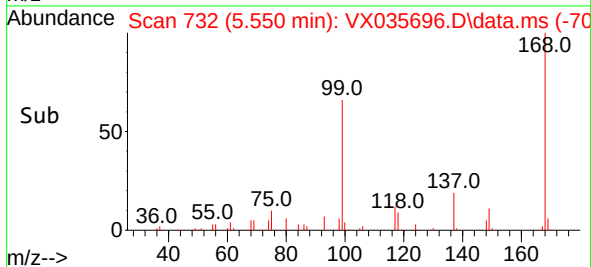
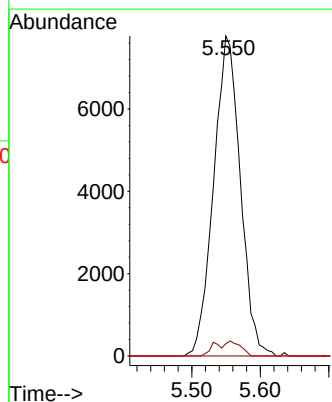
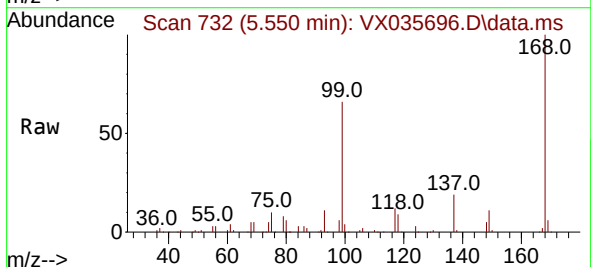
Instrument :
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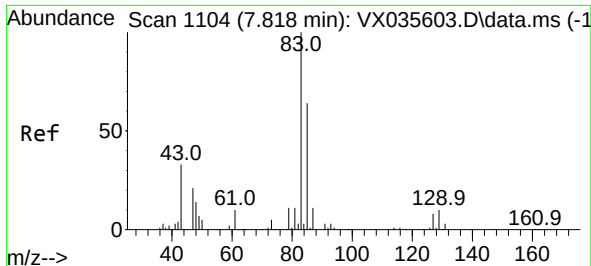
Tgt Ion: 75 Resp: 17078
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.391 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 117 Resp: 21003
Ion Ratio Lower Upper
117 100
119 3.8 76.6 114.8#
121 0.0 23.8 35.6#

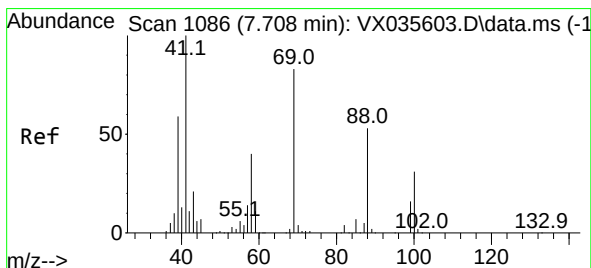
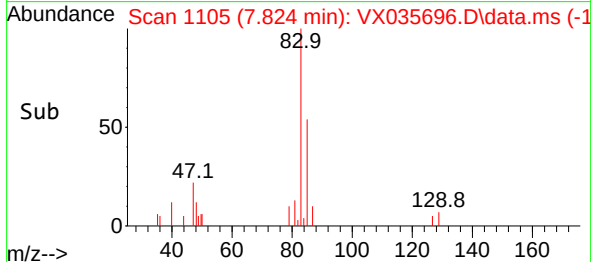
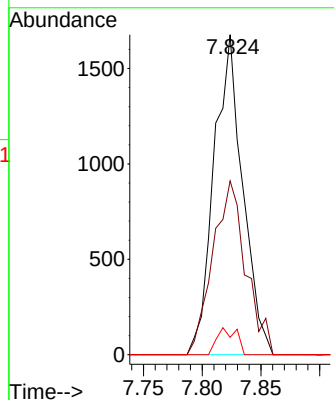
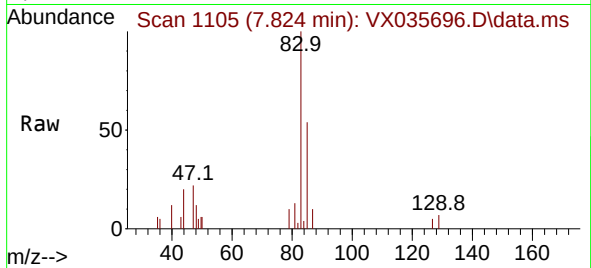




#47
Bromodichloromethane
Concen: 0.840 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

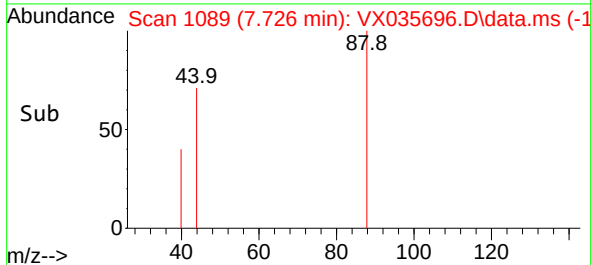
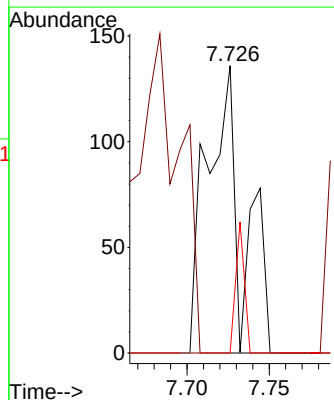
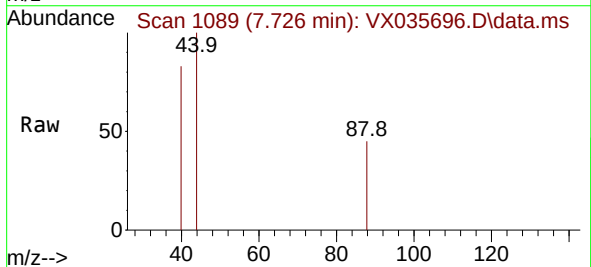
Instrument :
MSVOA_X
ClientSampleId :
001-2

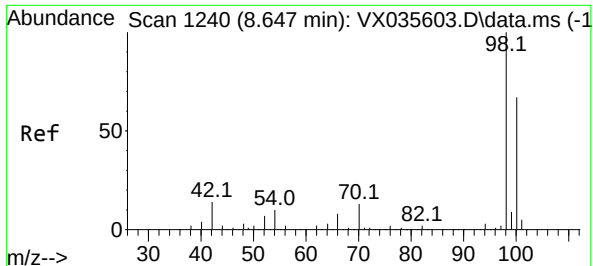
Tgt Ion: 83 Resp: 2857
Ion Ratio Lower Upper
83 100
85 54.3 52.2 78.4
127 5.4 6.6 9.8#



#49
1,4-Dioxane
Concen: 4.967 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.018 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 11.2 56.8 85.2#

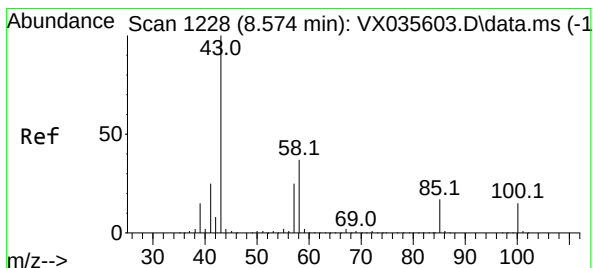
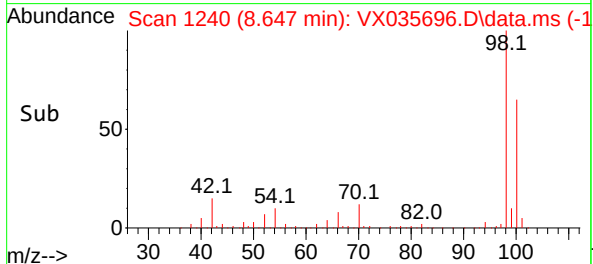
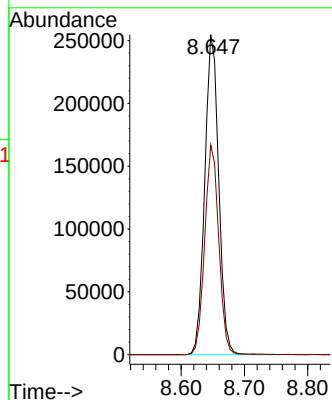
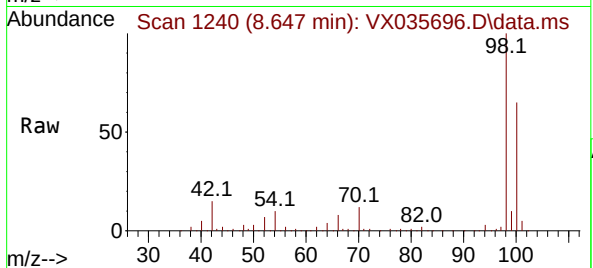




#50
Toluene-d8
Concen: 48.276 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

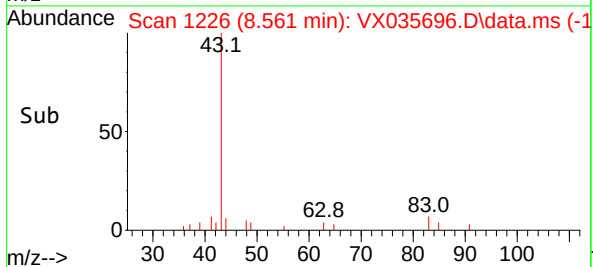
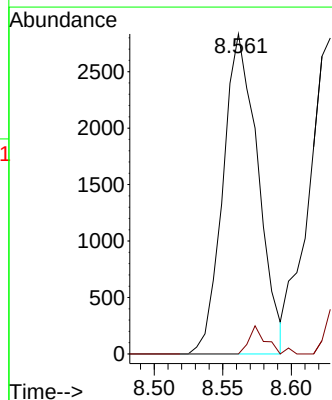
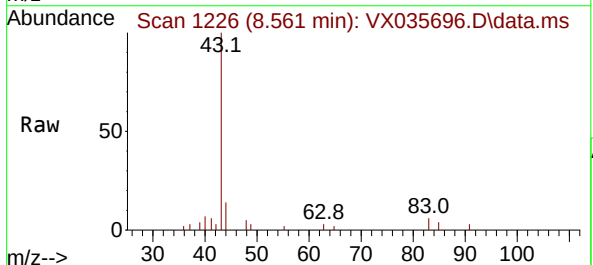
Instrument :
MSVOA_X
ClientSampleId :
001-2

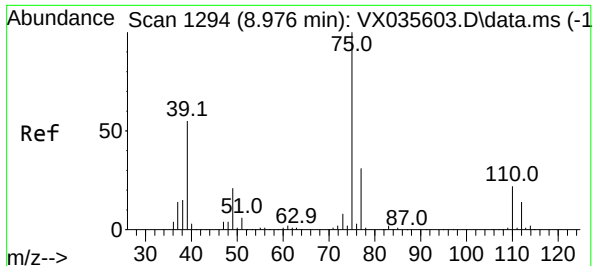
Tgt Ion: 98 Resp: 391998
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 8.561 min Scan# 1226
Delta R.T. -0.013 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 43 Resp: 5035
Ion Ratio Lower Upper
43 100
58 4.4 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 0.458 ug/l

RT: 8.988 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX035696.D

Acq: 16 May 2023 17:12

Instrument :

MSVOA_X

ClientSampleId :

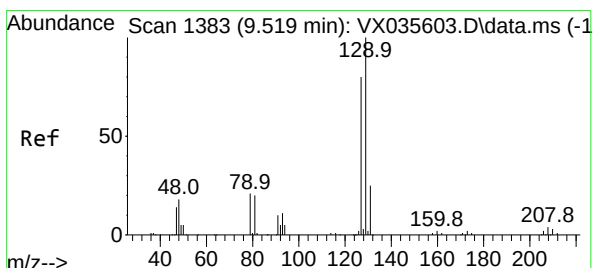
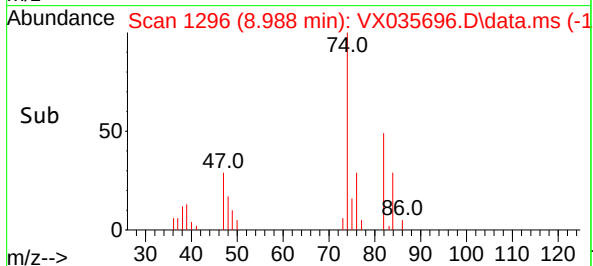
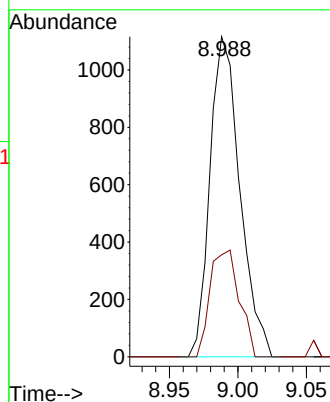
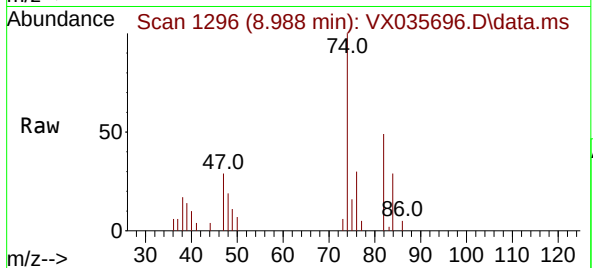
001-2

Tgt Ion: 75 Resp: 1694

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#60

Dibromochloromethane

Concen: 0.311 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX035696.D

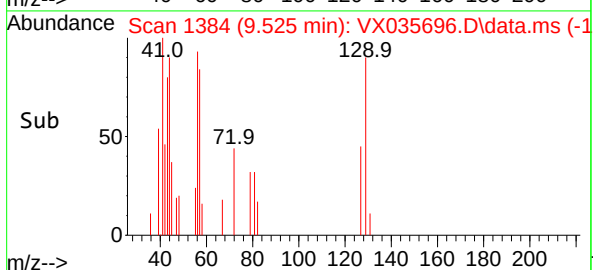
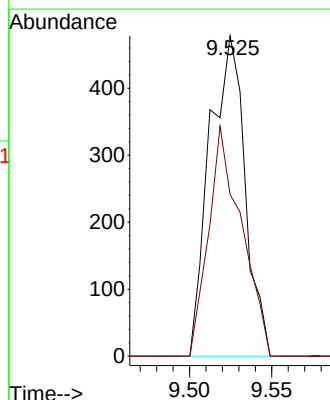
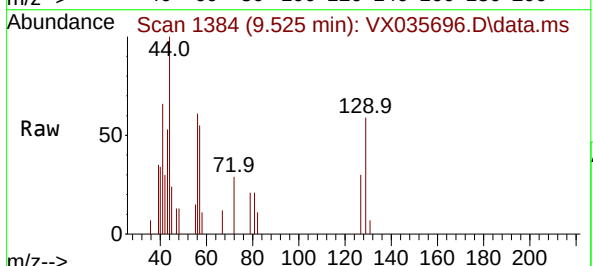
Acq: 16 May 2023 17:12

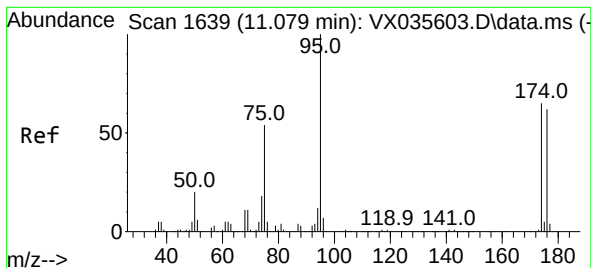
Tgt Ion:129 Resp: 713

Ion Ratio Lower Upper

129 100

127 66.9 39.0 117.0

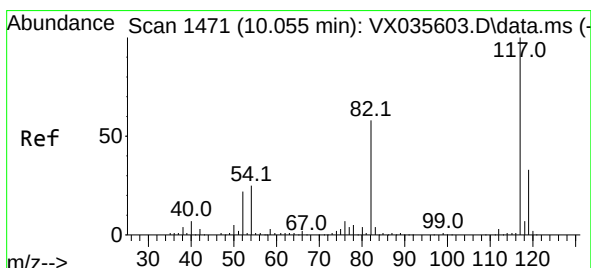
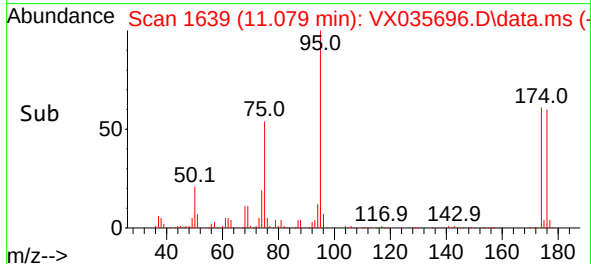
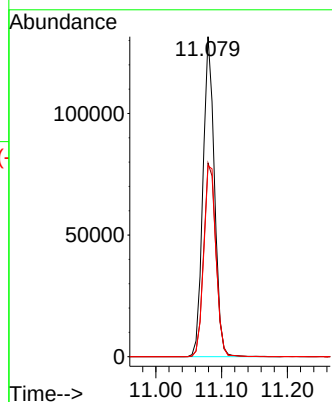
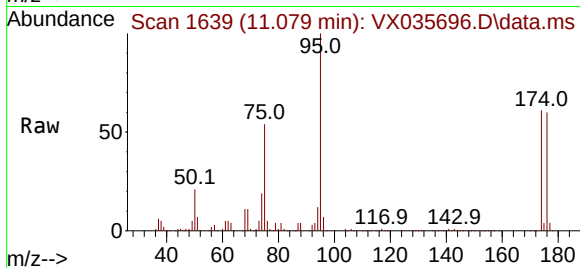




#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

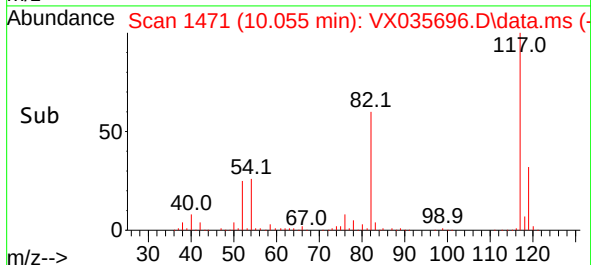
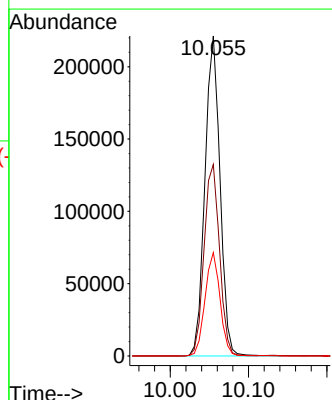
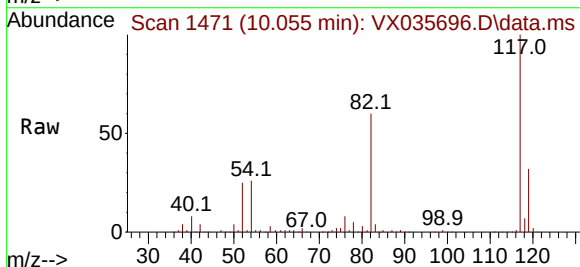
Instrument :
MSVOA_X
ClientSampleId :
001-2

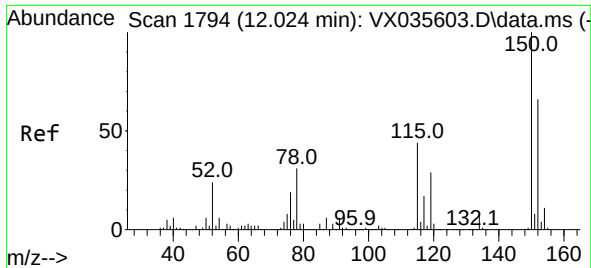
Tgt Ion: 95 Resp: 159923
Ion Ratio Lower Upper
95 100
174 64.1 0.0 147.4
176 63.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 117 Resp: 294961
Ion Ratio Lower Upper
117 100
82 59.8 45.0 67.4
119 32.3 26.0 39.0

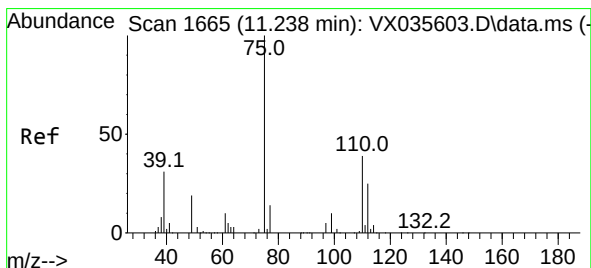
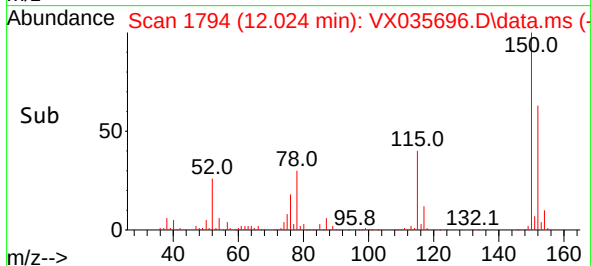
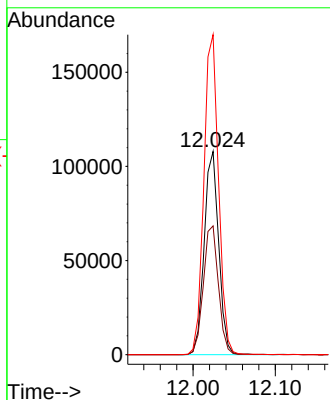
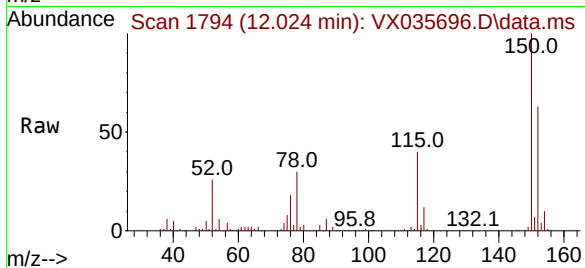




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035696.D
 Acq: 16 May 2023 17:12

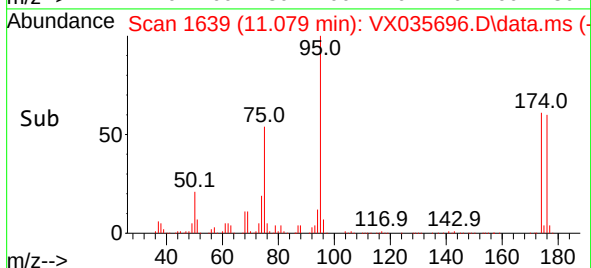
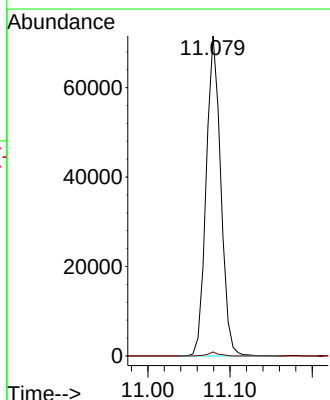
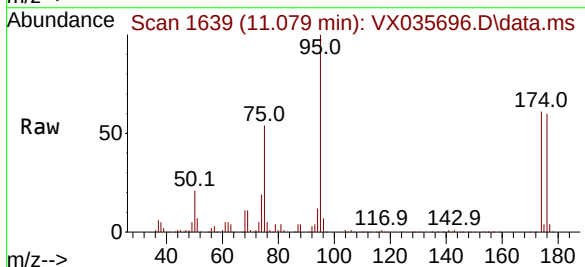
Instrument :
 MSVOA_X
 ClientSampleId :
 001-2

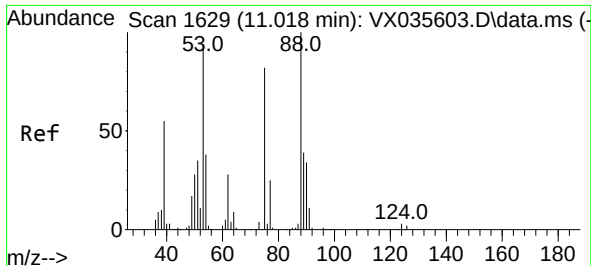
Tgt Ion:152 Resp: 132275
 Ion Ratio Lower Upper
 152 100
 115 66.0 45.0 135.0
 150 159.2 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.215 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035696.D
 Acq: 16 May 2023 17:12

Tgt Ion: 75 Resp: 88055
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.6 64.8#

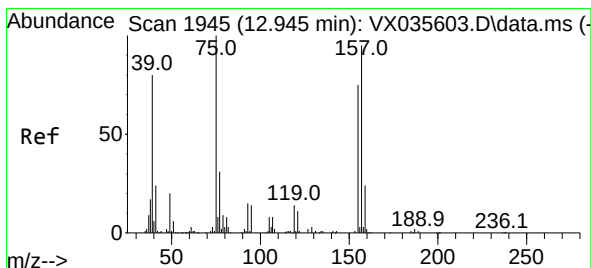
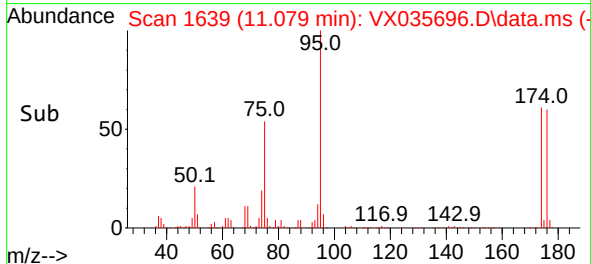
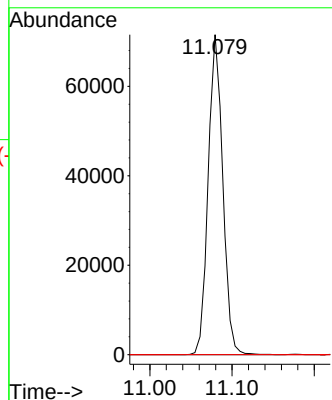
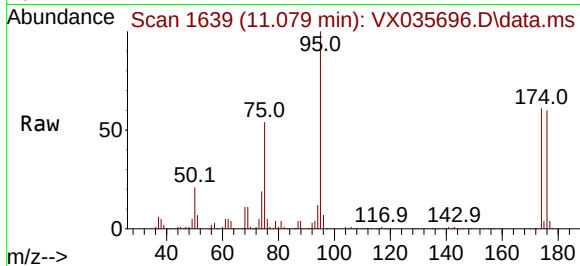




#81
trans-1,4-Dichloro-2-butene
Concen: 87.711 ug/l
RT: 11.079 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Instrument :
MSVOA_X
ClientSampleId :
001-2

Tgt Ion: 75 Resp: 88055
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.378 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX035696.D
Acq: 16 May 2023 17:12

Tgt Ion: 75 Resp: 304
Ion Ratio Lower Upper
75 100
155 0.0 38.4 115.1#
157 0.0 49.9 149.7#

