

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053023\
 Data File : VX035914.D
 Acq On : 30 May 2023 18:21
 Operator : JC/MD
 Sample : 02924-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-002-003-2RE

Quant Time: May 31 05:48:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

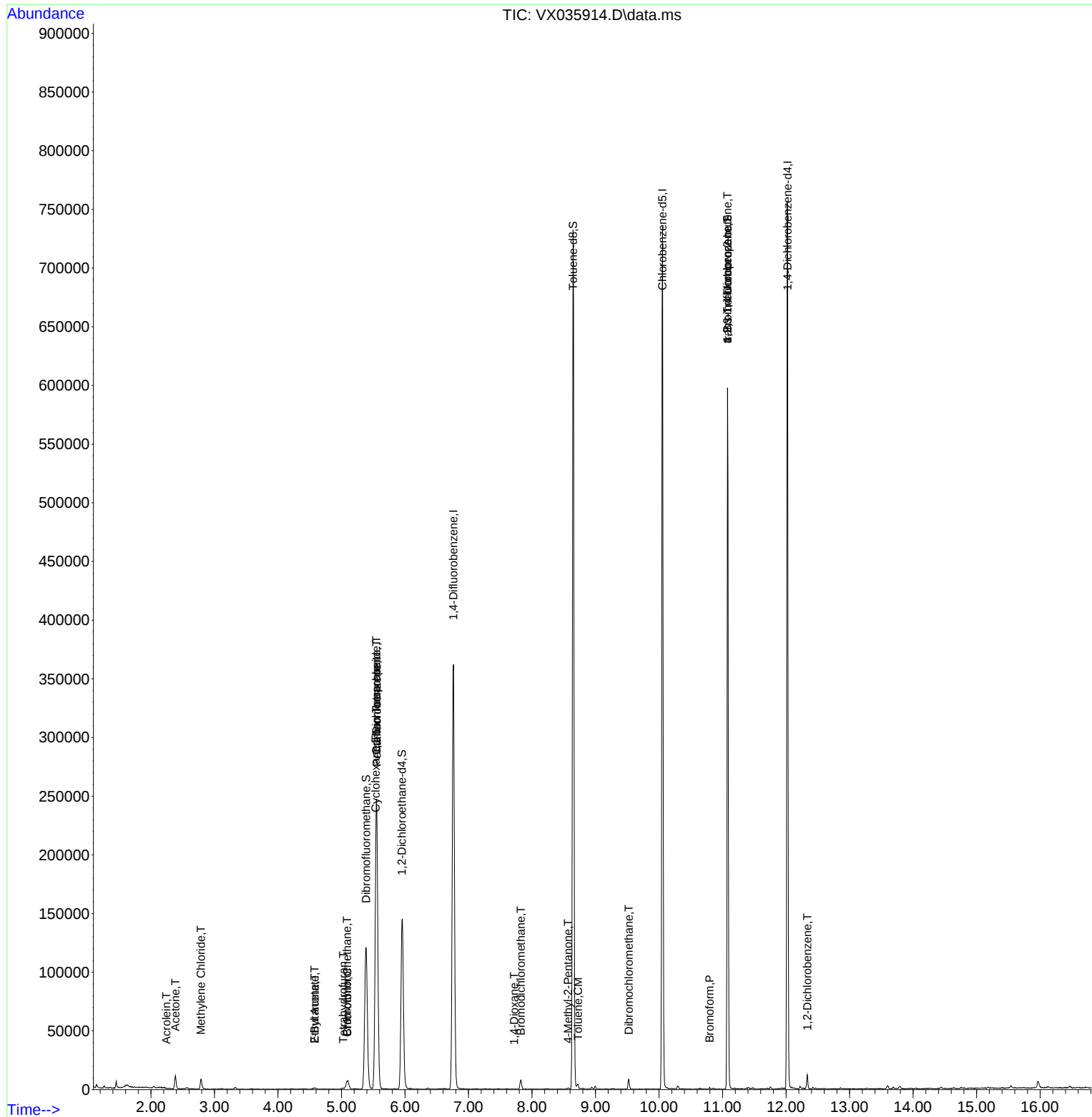
Internal Standards						
1) Pentafluorobenzene	5.556	168	226998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	371601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	145251	36.008	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	72.020%#
35) Dibromofluoromethane	5.385	113	109551	42.918	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.840%
50) Toluene-d8	8.647	98	430085	45.911	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.820%#
62) 4-Bromofluorobenzene	11.079	95	162382	43.996	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.000%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	230	0.330	ug/l #	50
16) Acetone	2.386	43	12282	7.542	ug/l	98
20) Methylene Chloride	2.788	84	4170	0.587	ug/l #	93
25) 2-Butanone	4.574	43	1504	0.638	ug/l #	84
28) Bromochloromethane	5.086	49	671	0.254	ug/l #	17
29) Tetrahydrofuran	5.026	42	792	0.520	ug/l #	57
30) Chloroform	5.093	83	9001	1.608	ug/l	97
31) Cyclohexane	5.538	56	5009	1.045	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	18812	4.854	ug/l #	51
37) Ethyl Acetate	4.574	43	1504	0.358	ug/l #	70
38) Carbon Tetrachloride	5.550	117	24621	6.740	ug/l #	17
47) Bromodichloromethane	7.824	83	5038	1.375	ug/l	97
49) 1,4-Dioxane	7.720	88	64	0.869	ug/l #	39
51) 4-Methyl-2-Pentanone	8.568	43	1319	0.315	ug/l #	37
52) Toluene	8.726	92	1404	0.206	ug/l	98
60) Dibromochloromethane	9.525	129	2899	1.172	ug/l	91
71) Bromoform	10.799	173	563	0.364	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	82180	21.682	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	82180	68.894	ug/l #	3
91) 1,2-Dichlorobenzene	12.335	146	3260	0.622	ug/l	95

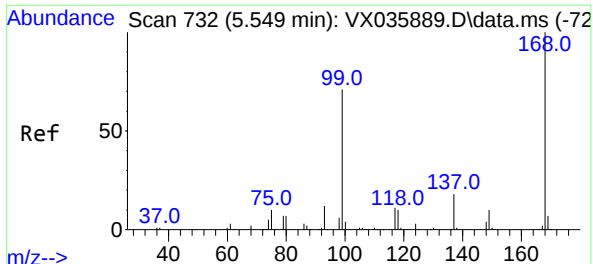
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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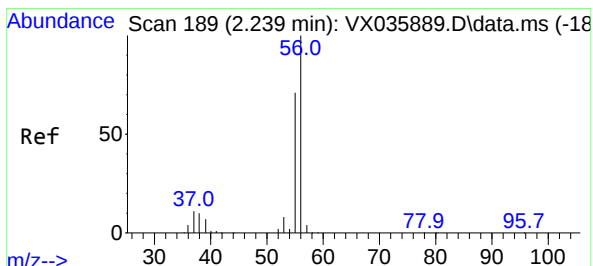
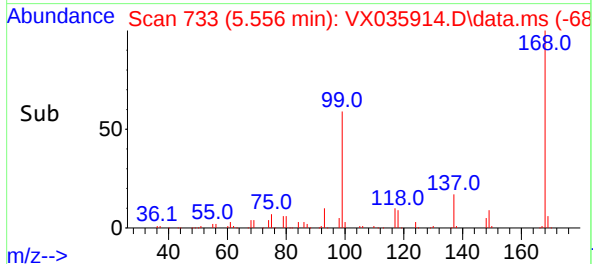
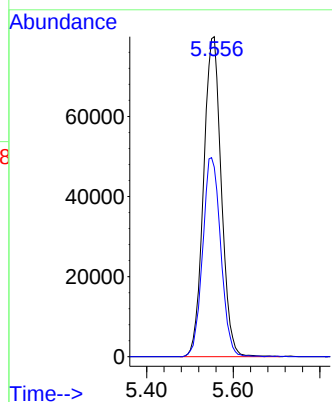
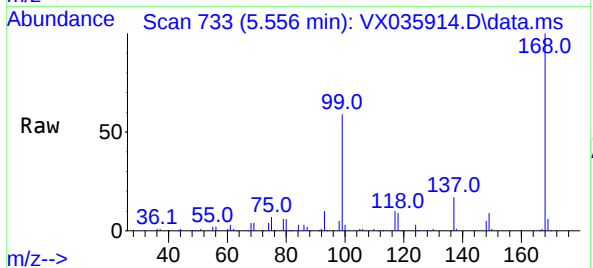




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

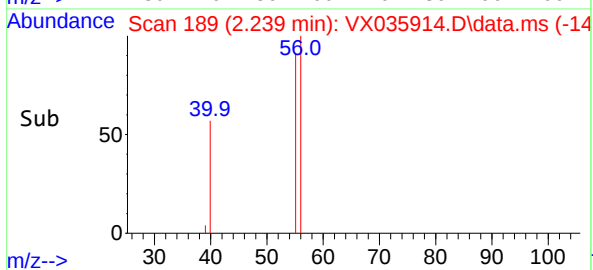
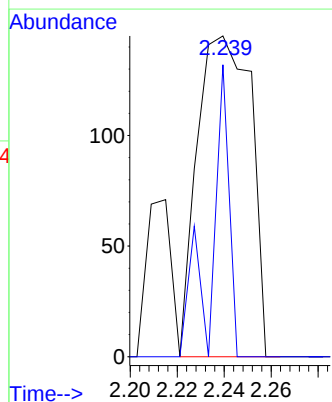
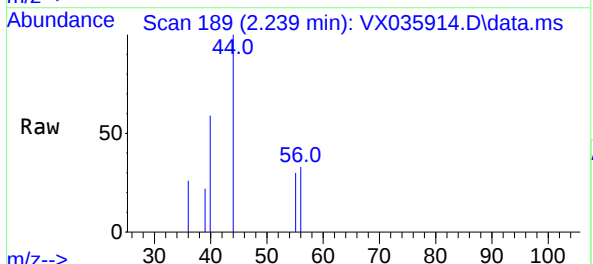
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

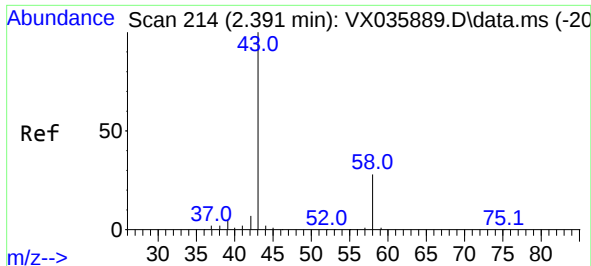
Tgt Ion:168 Resp: 226998
Ion Ratio Lower Upper
168 100
99 59.2 57.0 85.6



#13
Acrolein
Concen: 0.330 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 30.4 57.3 85.9#

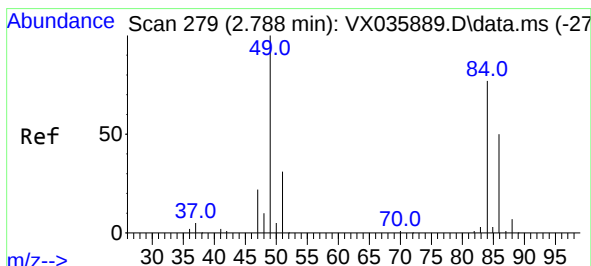
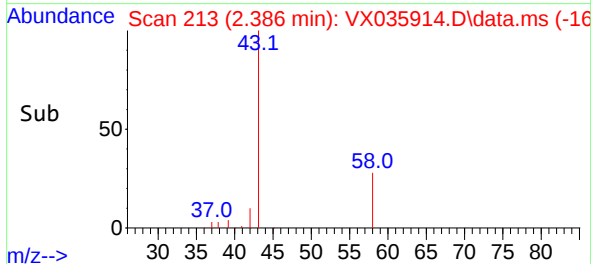
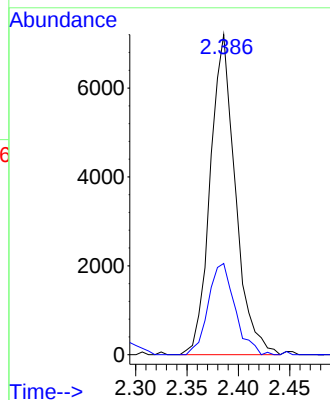
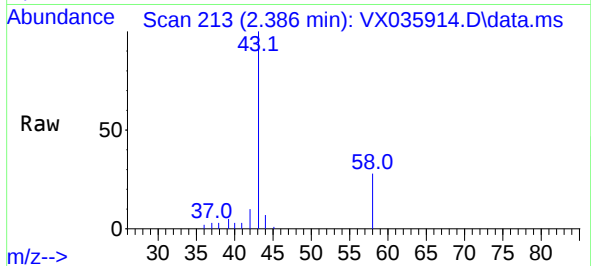




#16
Acetone
Concen: 7.542 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

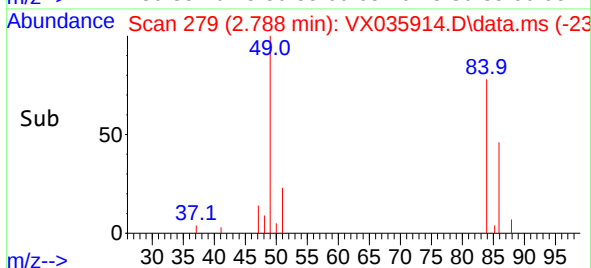
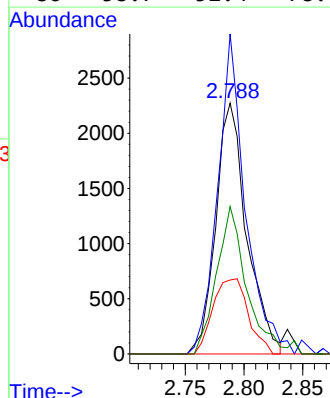
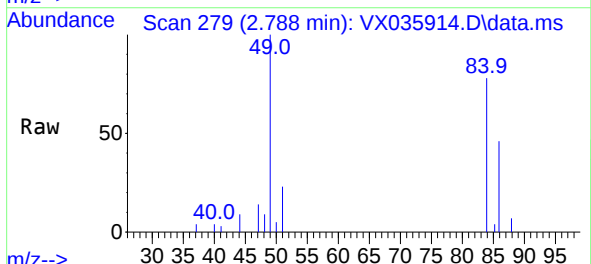
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

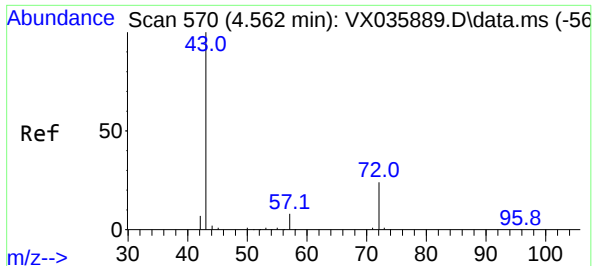
Tgt Ion: 43 Resp: 12282
Ion Ratio Lower Upper
43 100
58 28.5 22.2 33.2



#20
Methylene Chloride
Concen: 0.587 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 84 Resp: 4170
Ion Ratio Lower Upper
84 100
49 127.6 104.6 156.8
51 29.5 32.2 48.4#
86 58.7 52.4 78.6





#25

2-Butanone

Concen: 0.638 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX035914.D

Acq: 30 May 2023 18:21

Instrument :

MSVOA_X

ClientSampleId :

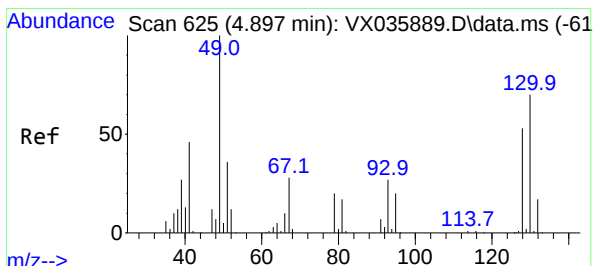
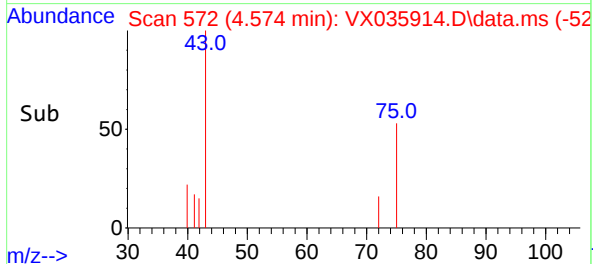
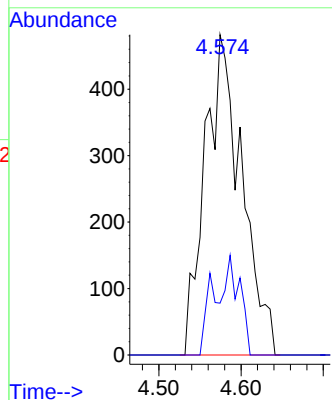
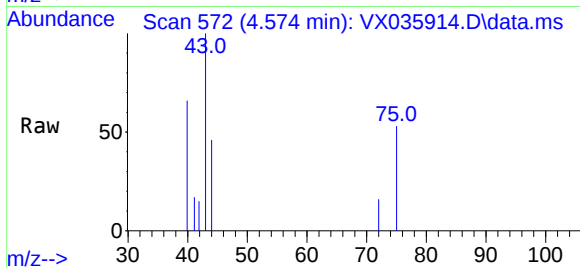
001-002-003-2RE

Tgt Ion: 43 Resp: 1504

Ion Ratio Lower Upper

43 100

72 16.2 19.4 29.2#



#28

Bromochloromethane

Concen: 0.254 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.189 min

Lab File: VX035914.D

Acq: 30 May 2023 18:21

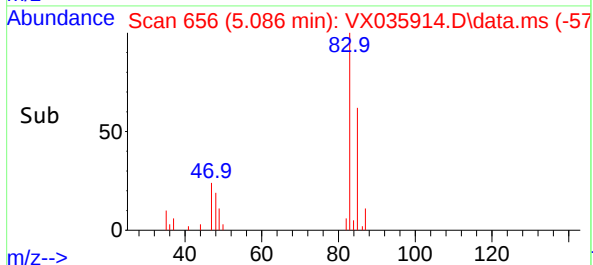
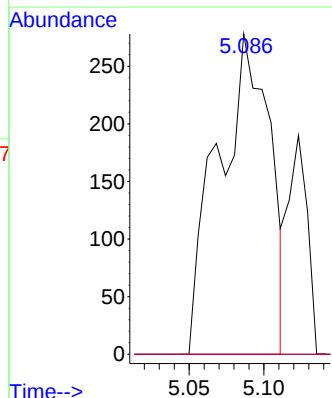
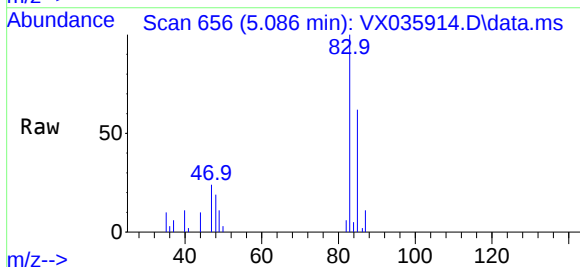
Tgt Ion: 49 Resp: 671

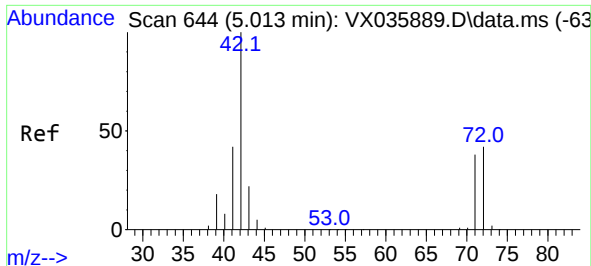
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 55.8 83.8#

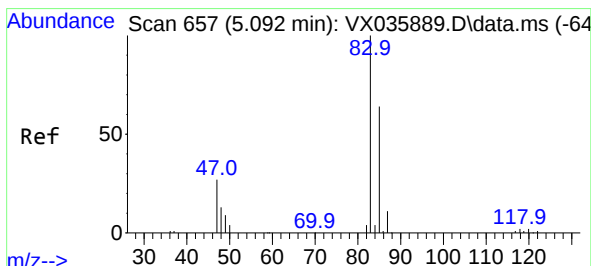
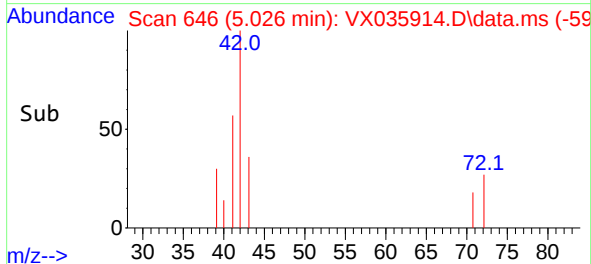
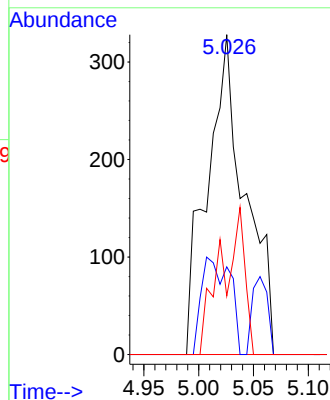
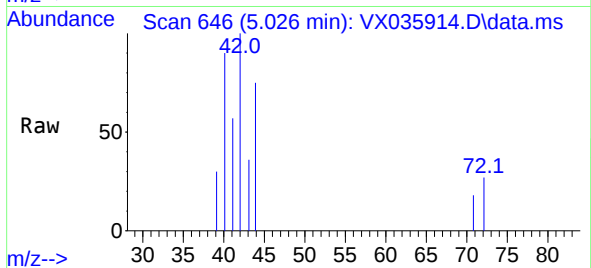




#29
Tetrahydrofuran
Concen: 0.520 ug/l
RT: 5.026 min Scan# 644
Delta R.T. 0.013 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

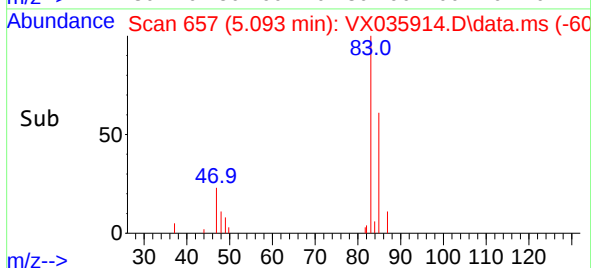
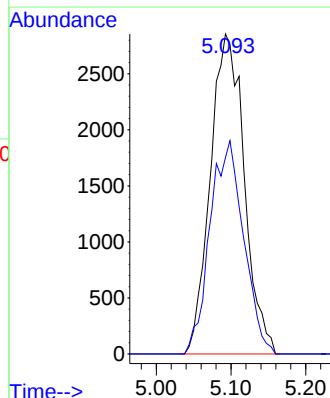
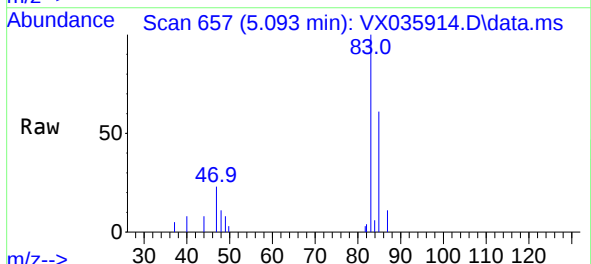
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

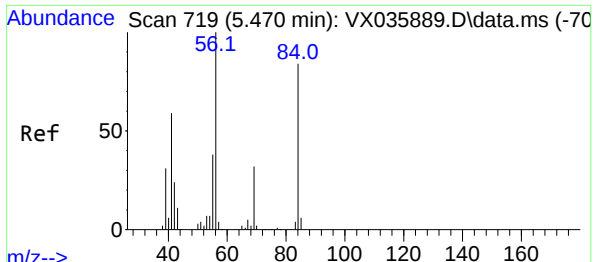
Tgt Ion: 42 Resp: 792
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 28.7 31.8 47.8#



#30
Chloroform
Concen: 1.608 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

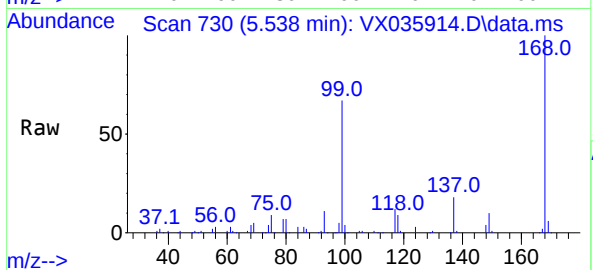
Tgt Ion: 83 Resp: 9001
Ion Ratio Lower Upper
83 100
85 61.4 51.0 76.4



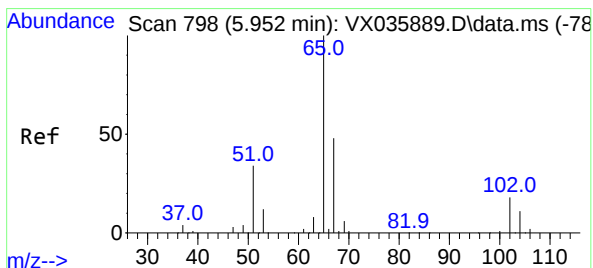
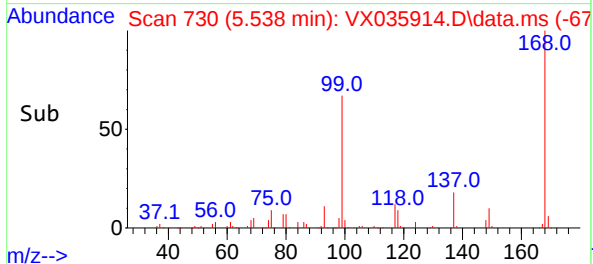
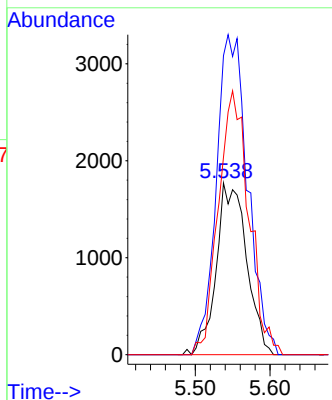


#31
Cyclohexane
Concen: 1.045 ug/l
RT: 5.538 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

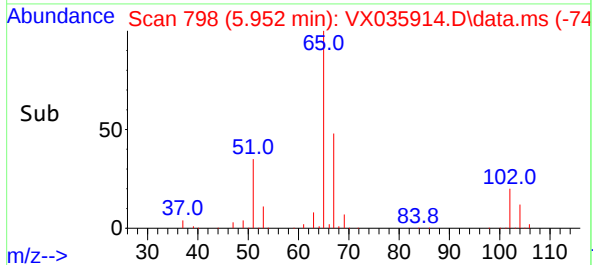
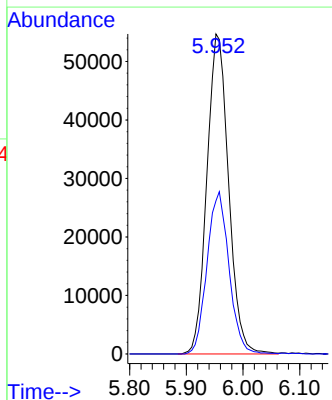
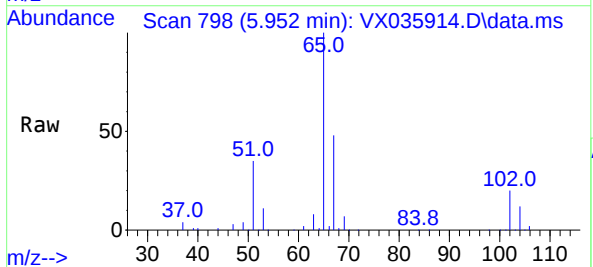


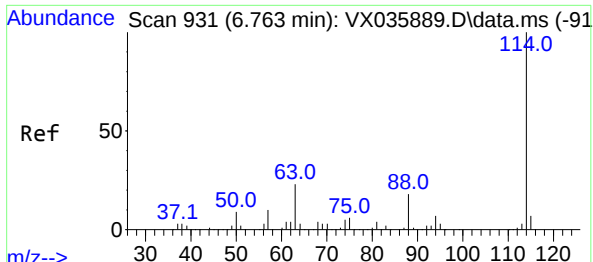
Tgt Ion: 56 Resp: 5009
Ion Ratio Lower Upper
56 100
69 174.2 25.9 38.9#
84 115.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 36.008 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 65 Resp: 145251
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6

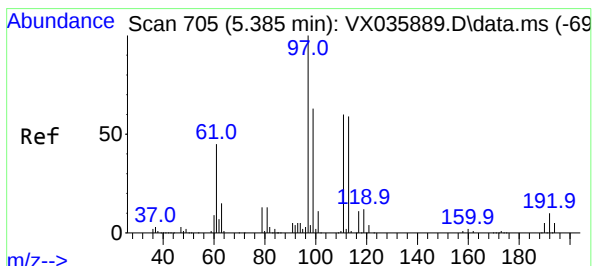
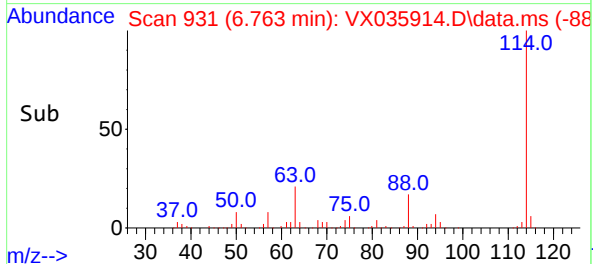
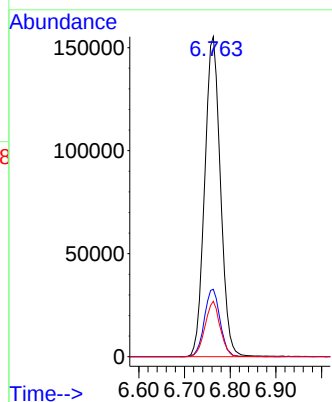
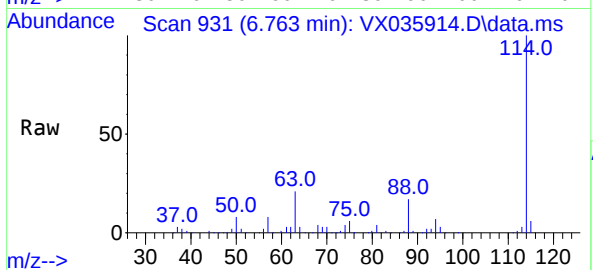




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

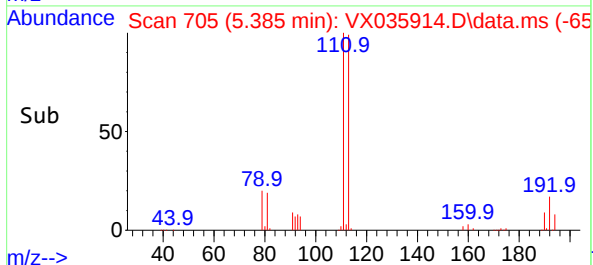
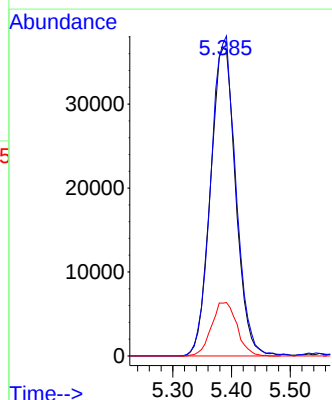
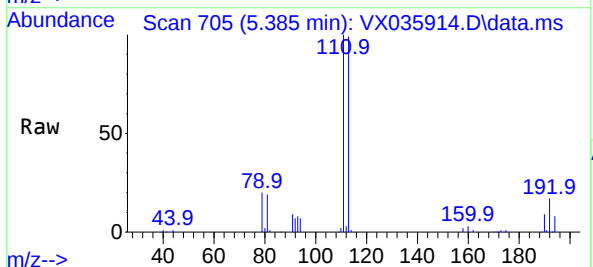
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001-002-003-2RE

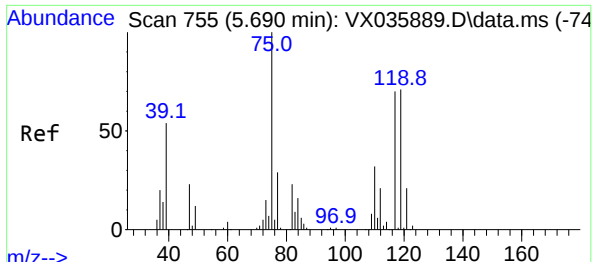
Tgt Ion:114 Resp: 371601
Ion Ratio Lower Upper
114 100
63 21.0 0.0 46.0
88 17.3 0.0 35.2



#35
Dibromofluoromethane
Concen: 42.918 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

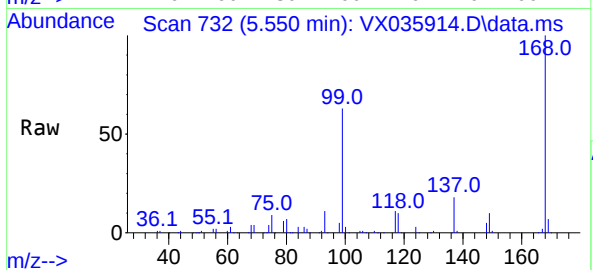
Tgt Ion:113 Resp: 109551
Ion Ratio Lower Upper
113 100
111 103.2 81.7 122.5
192 17.5 13.5 20.3



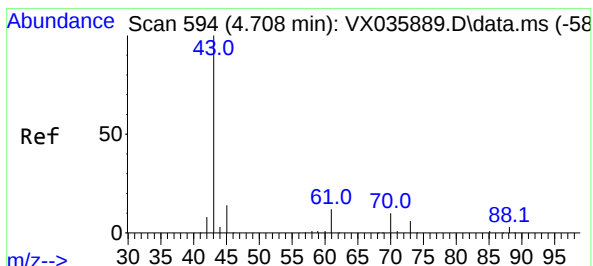
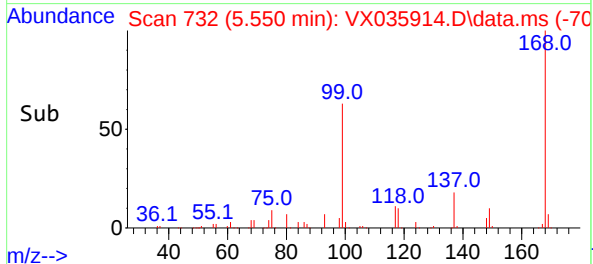
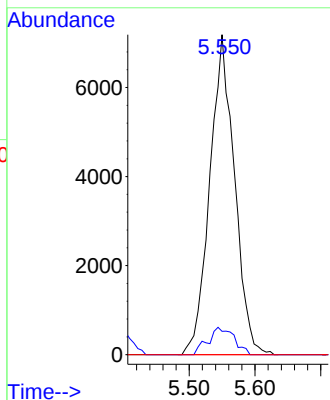


#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

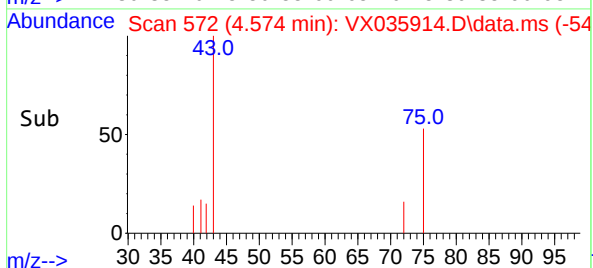
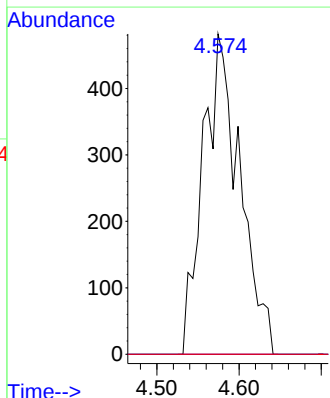
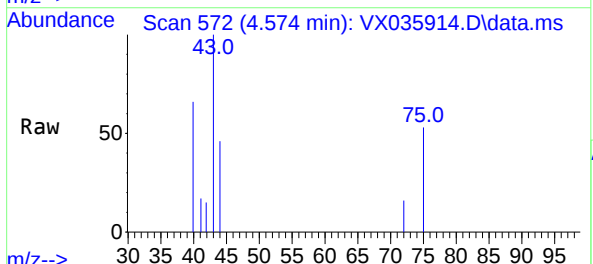


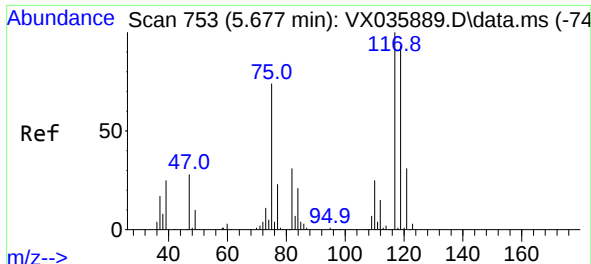
Tgt Ion: 75 Resp: 18812
Ion Ratio Lower Upper
75 100
110 8.9 16.6 49.7#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.358 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.134 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

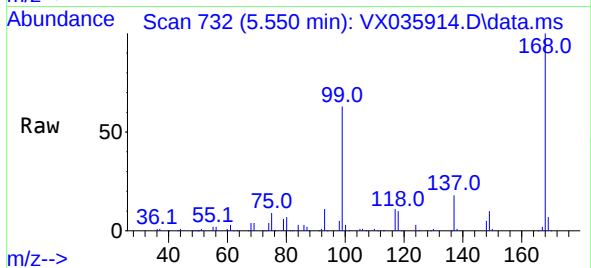
Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 8.3 12.5#



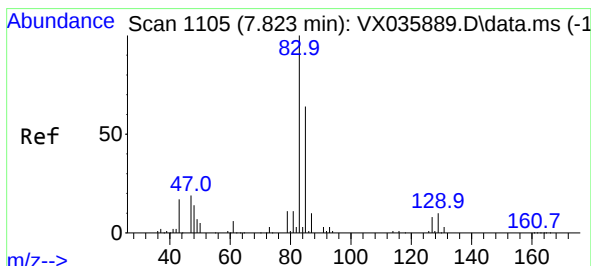
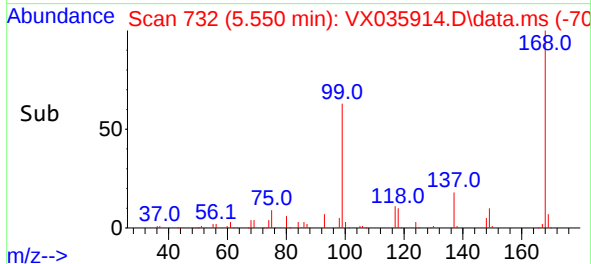
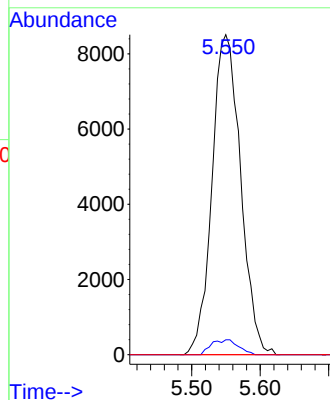


#38
Carbon Tetrachloride
Concen: 6.740 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

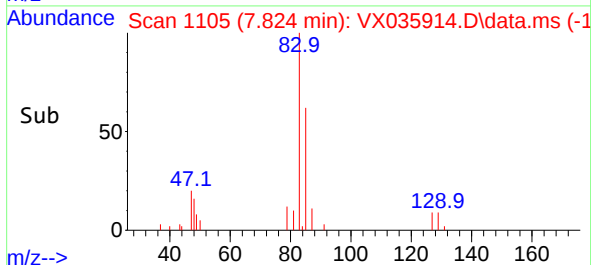
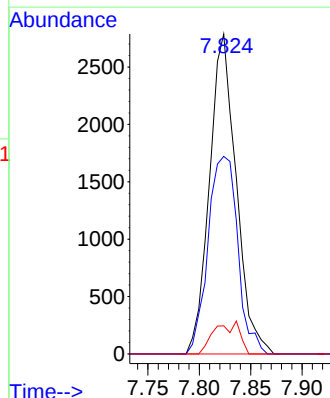
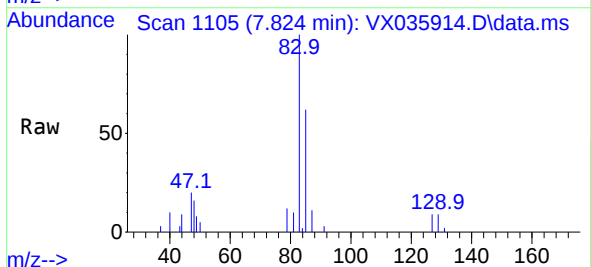


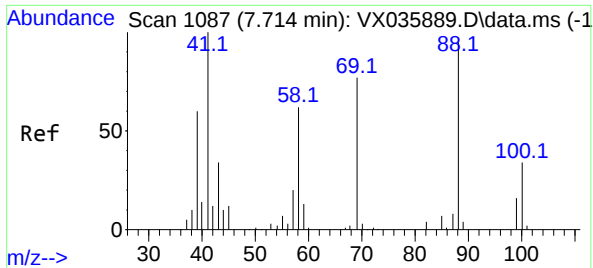
Tgt Ion:117 Resp: 24621
Ion Ratio Lower Upper
117 100
119 4.7 74.1 111.1#
121 0.0 25.0 37.4#



#47
Bromodichloromethane
Concen: 1.375 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.001 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 83 Resp: 5038
Ion Ratio Lower Upper
83 100
85 61.7 51.3 76.9
127 8.8 6.6 10.0

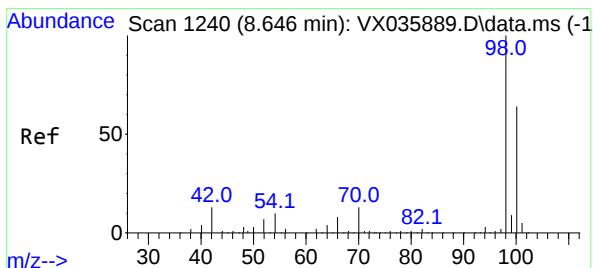
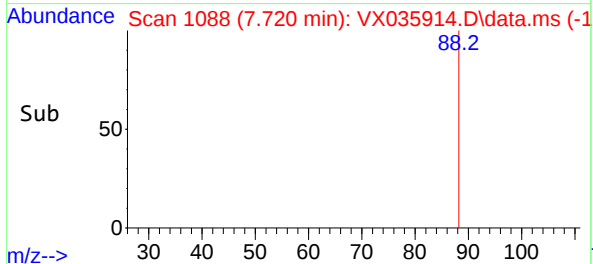
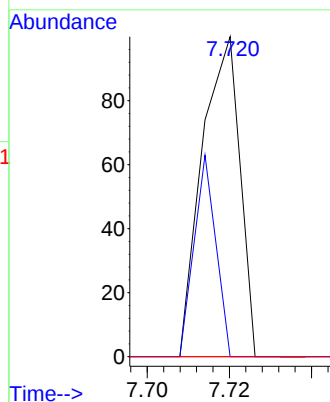
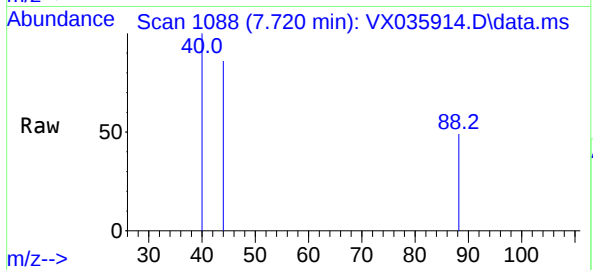




#49
1,4-Dioxane
Concen: 0.869 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

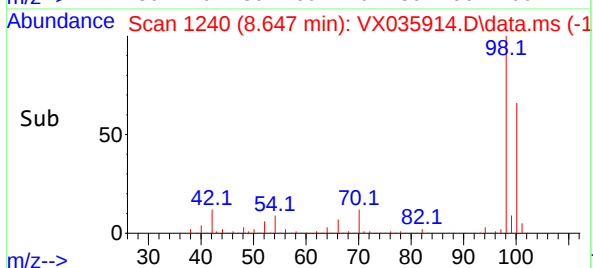
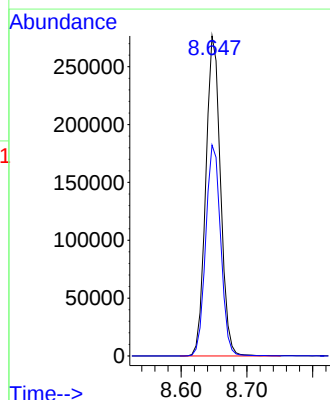
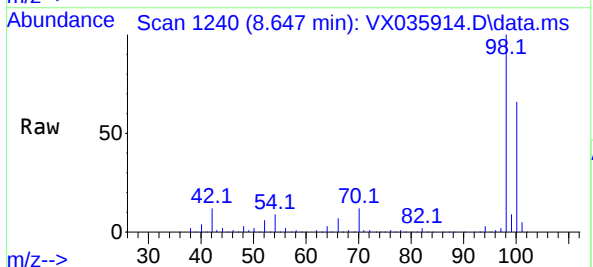
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

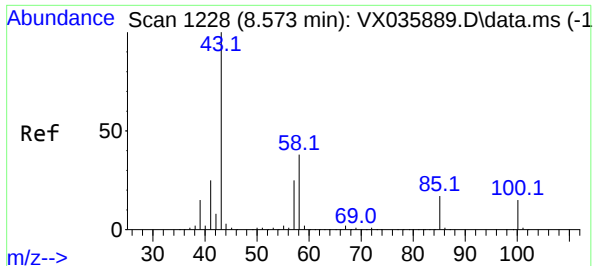
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 35.9 27.4 41.0
58 0.0 58.9 88.3#



#50
Toluene-d8
Concen: 45.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 98 Resp: 430085
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.315 ug/l

RT: 8.568 min Scan# 1227

Delta R.T. -0.005 min

Lab File: VX035914.D

Acq: 30 May 2023 18:21

Instrument :

MSVOA_X

ClientSampleId :

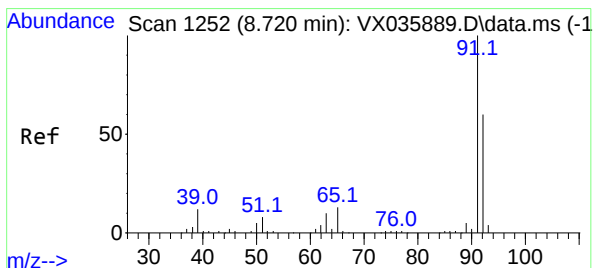
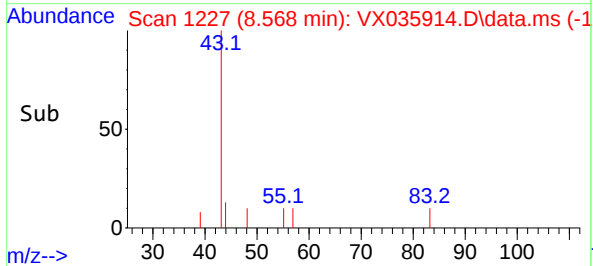
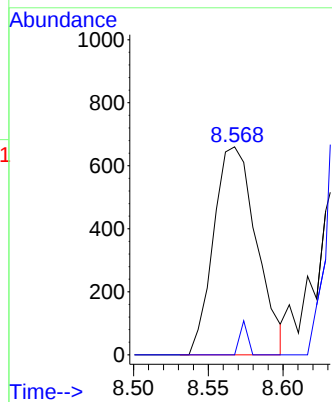
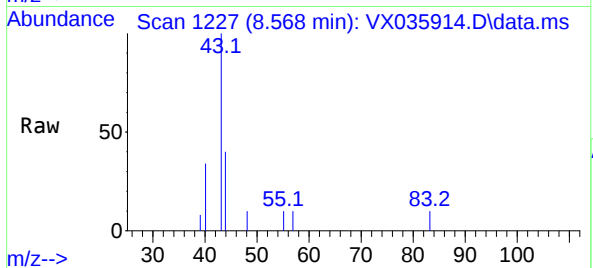
001-002-003-2RE

Tgt Ion: 43 Resp: 1319

Ion Ratio Lower Upper

43 100

58 0.0 30.1 45.1#



#52

Toluene

Concen: 0.206 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX035914.D

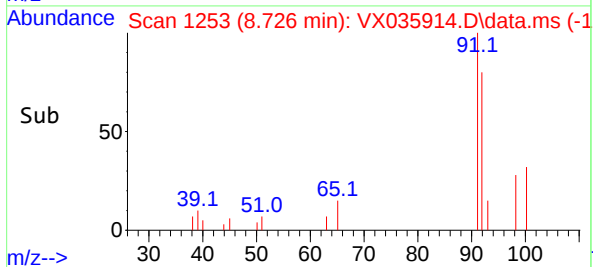
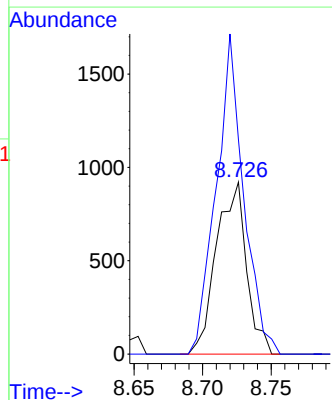
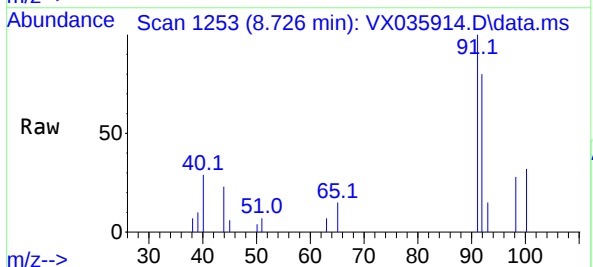
Acq: 30 May 2023 18:21

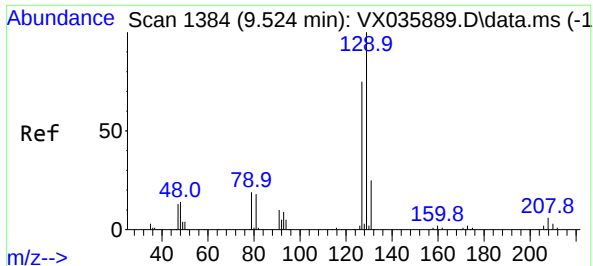
Tgt Ion: 92 Resp: 1404

Ion Ratio Lower Upper

92 100

91 170.1 133.5 200.3

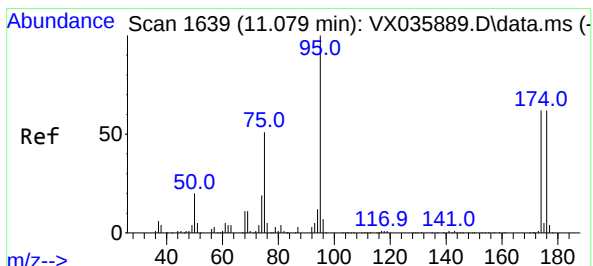
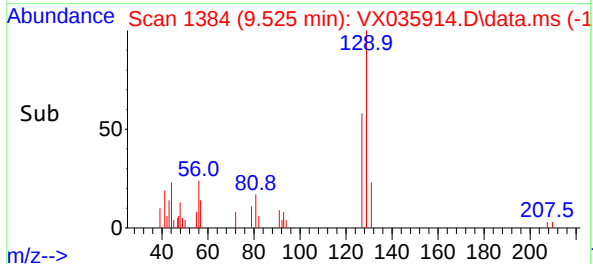
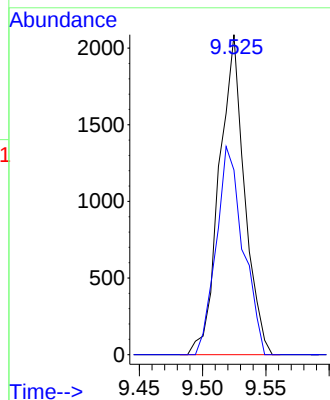
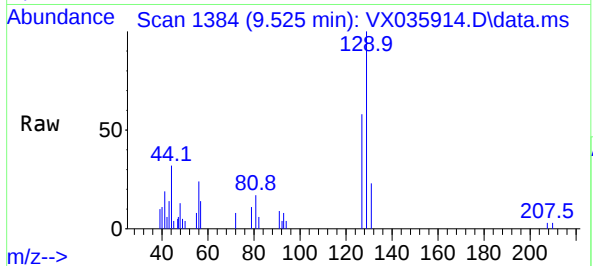




#60
Dibromochloromethane
Concen: 1.172 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

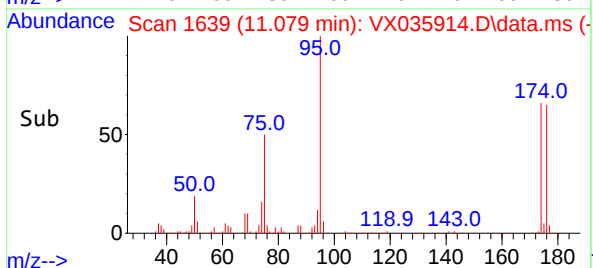
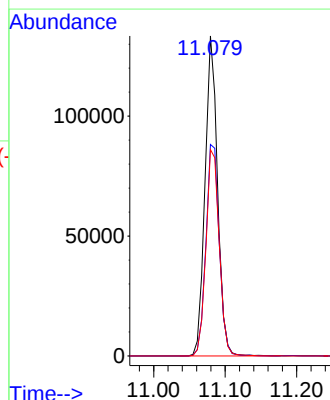
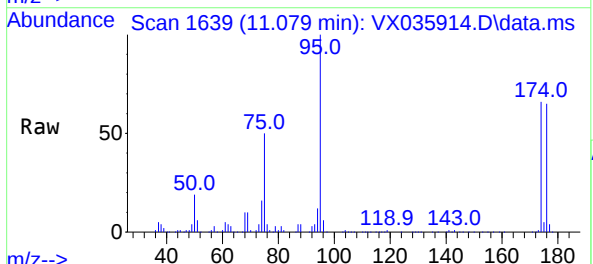
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

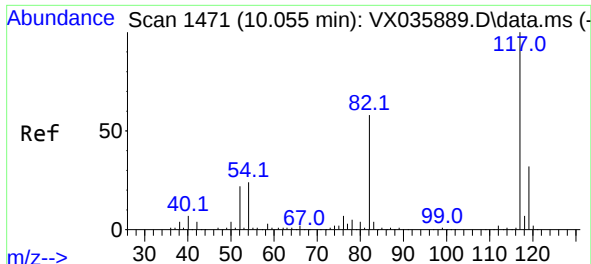
Tgt Ion:129 Resp: 2899
Ion Ratio Lower Upper
129 100
127 69.3 38.4 115.1



#62
4-Bromofluorobenzene
Concen: 43.996 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 95 Resp: 162382
Ion Ratio Lower Upper
95 100
174 70.6 0.0 132.6
176 68.6 0.0 128.0

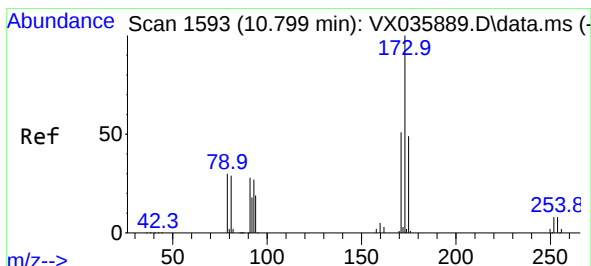
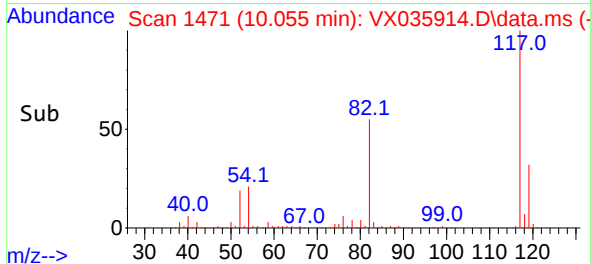
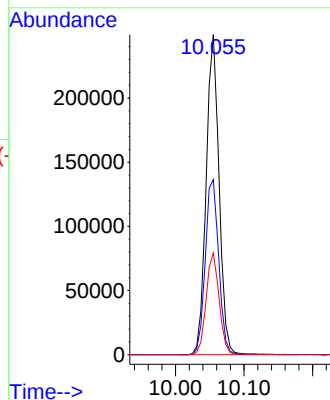
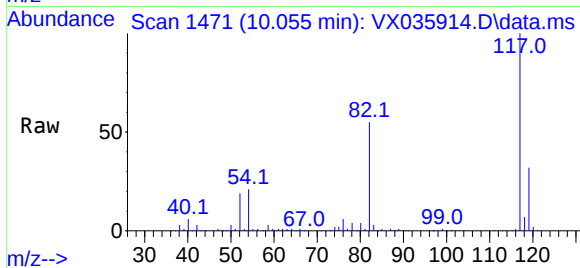




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

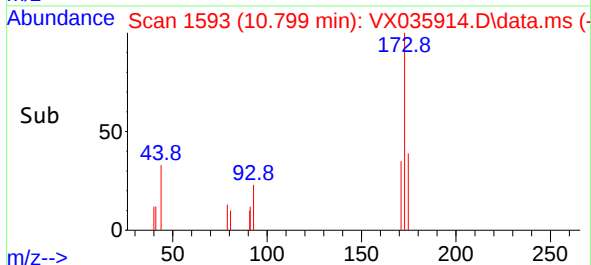
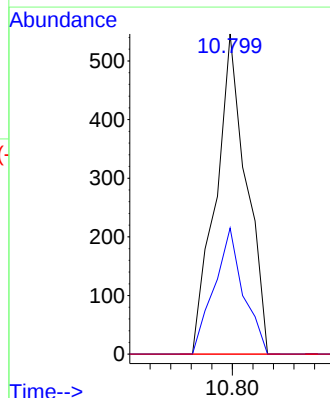
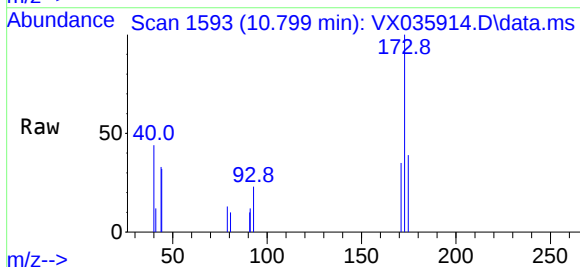
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

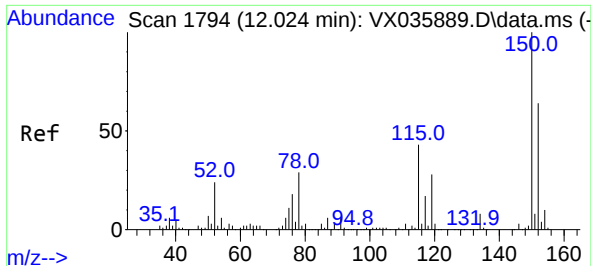
Tgt Ion:117 Resp: 327213
Ion Ratio Lower Upper
117 100
82 54.7 46.6 69.8
119 31.8 25.4 38.2



#71
Bromoform
Concen: 0.364 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion:173 Resp: 563
Ion Ratio Lower Upper
173 100
175 37.8 24.2 72.6
254 0.0 0.1 0.1#

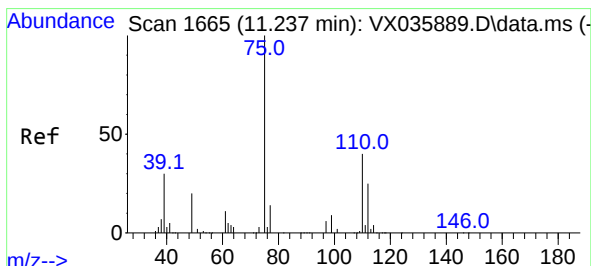
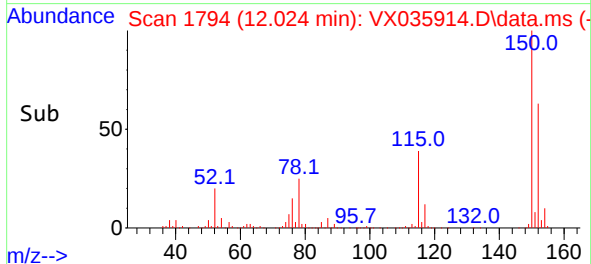
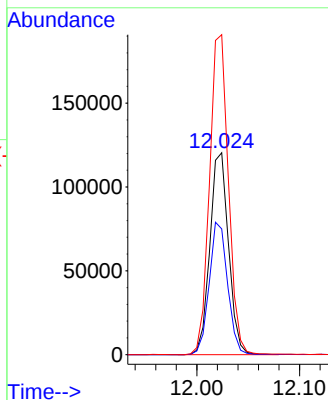
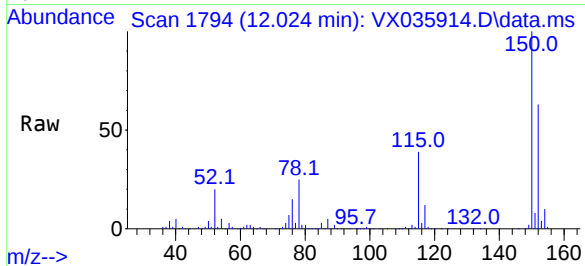




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

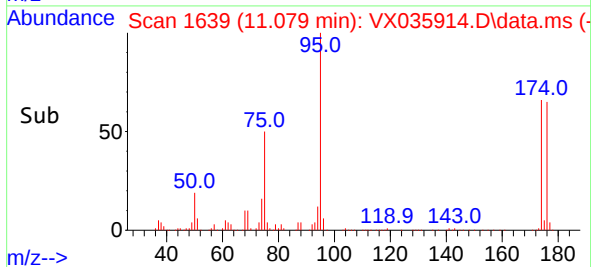
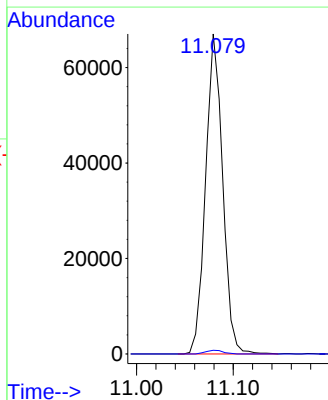
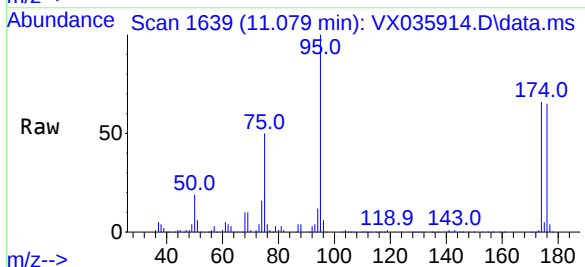
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

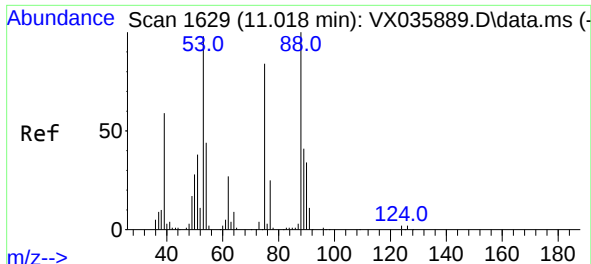
Tgt Ion:152 Resp: 151880
Ion Ratio Lower Upper
152 100
115 64.7 45.5 136.5
150 160.7 0.0 345.2



#76
1,2,3-Trichloropropane
Concen: 21.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion: 75 Resp: 82180
Ion Ratio Lower Upper
75 100
77 1.2 21.4 64.2#

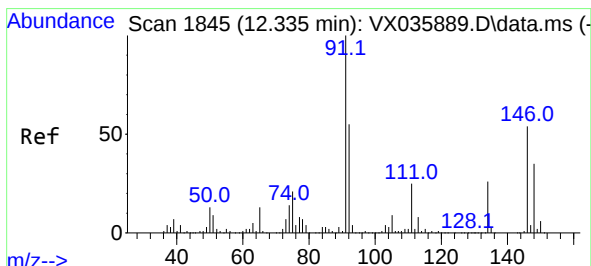
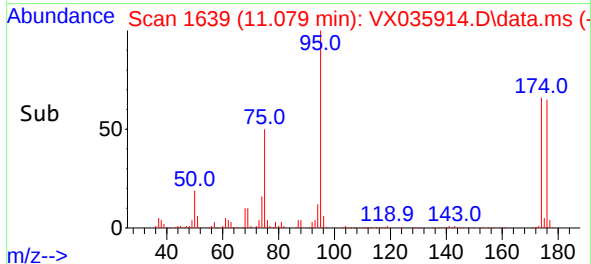
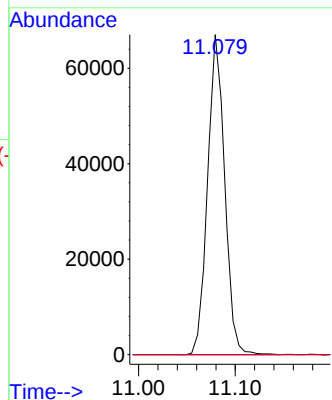
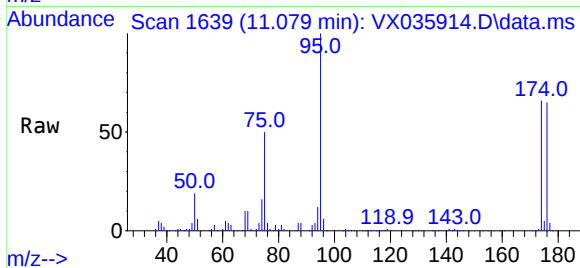




#81
trans-1,4-Dichloro-2-butene
Concen: 68.894 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Instrument :
MSVOA_X
ClientSampleId :
001-002-003-2RE

Tgt Ion: 75 Resp: 82180
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#



#91
1,2-Dichlorobenzene
Concen: 0.622 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035914.D
Acq: 30 May 2023 18:21

Tgt Ion:146 Resp: 3260
Ion Ratio Lower Upper
146 100
111 50.8 23.3 69.9
148 66.9 31.9 95.7

