

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035620.D
 Acq On : 11 May 2023 20:10
 Operator : JC/MD
 Sample : 02752-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230510054-02-VOA

Quant Time: May 12 03:55:21 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)

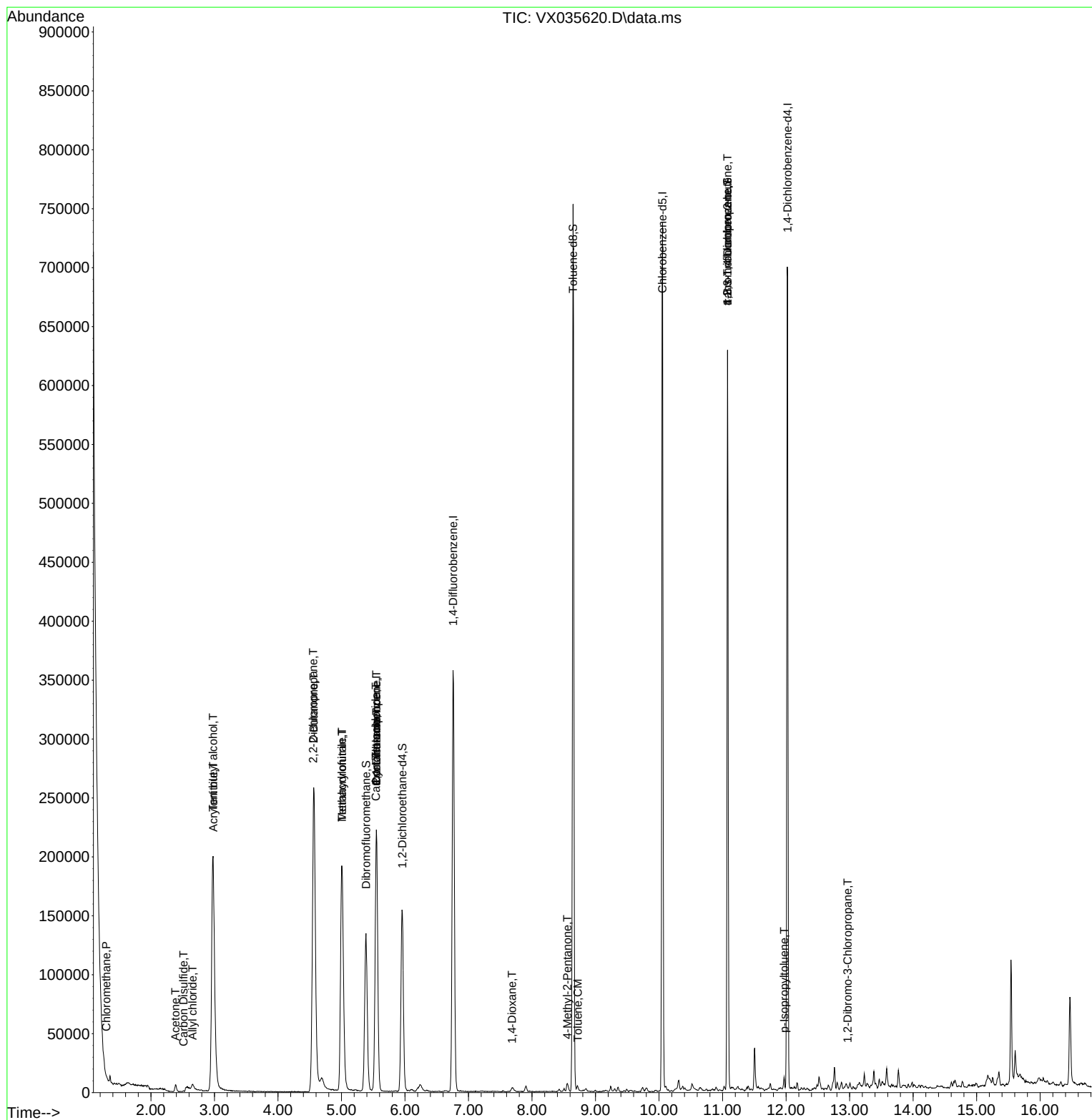
Internal Standards						
1) Pentafluorobenzene	5.550	168	188860	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	341573	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158177	48.009	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.020%		
35) Dibromofluoromethane	5.385	113	112266	48.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	8.647	98	409793	48.155	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.300%		
62) 4-Bromofluorobenzene	11.079	95	166174	48.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.000%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	621	0.208	ug/l	# 84
11) Tert butyl alcohol	2.977	59	352903	607.115	ug/l	99
14) Allyl chloride	2.654	41	5323	1.181	ug/l	# 51
15) Acrylonitrile	2.983	53	3719	2.905	ug/l	# 13
16) Acetone	2.386	43	4407	3.112	ug/l	# 76
17) Carbon Disulfide	2.514	76	1016	0.200	ug/l	# 75
25) 2-Butanone	4.562	43	18121	9.244	ug/l	# 75
26) 2,2-Dichloropropane	4.556	77	19871	4.973	ug/l	# 53
29) Tetrahydrofuran	5.007	42	190673	154.754	ug/l	97
31) Cyclohexane	5.550	56	5210	1.252	ug/l	# 2
36) 1,1-Dichloropropene	5.550	75	19233	5.289	ug/l	# 50
38) Carbon Tetrachloride	5.544	117	21583	6.266	ug/l	# 16
41) Methacrylonitrile	5.007	41	113408	50.364	ug/l	# 47
49) 1,4-Dioxane	7.684	88	3079	44.653	ug/l	# 81
51) 4-Methyl-2-Pentanone	8.555	43	3747	0.983	ug/l	# 63
52) Toluene	8.720	92	1310	0.204	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	91436	27.541	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	91436	88.761	ug/l	# 8
86) p-Isopropyltoluene	11.969	119	3989	0.409	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.969	75	189	0.229	ug/l	# 5

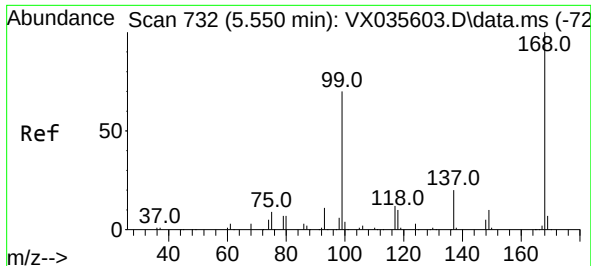
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
230510054-02-VOA

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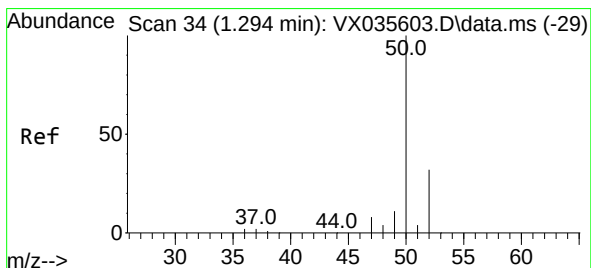
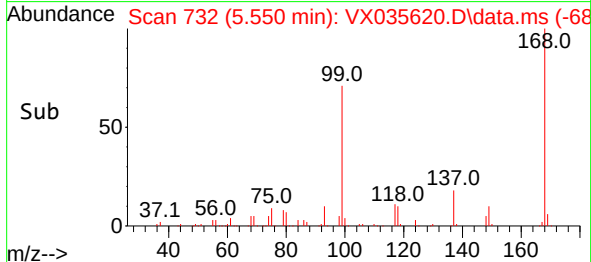
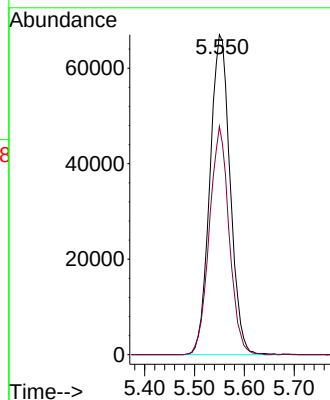
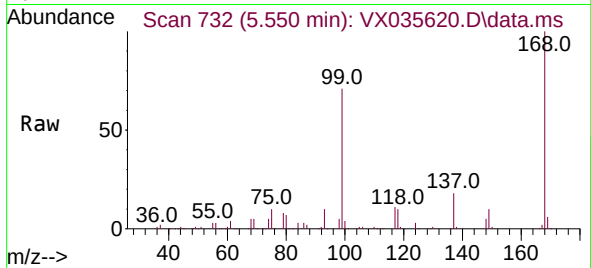




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

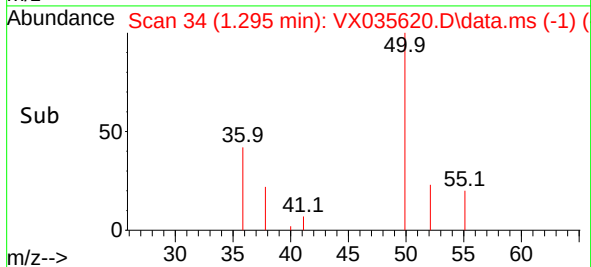
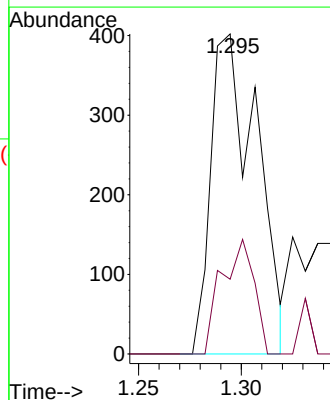
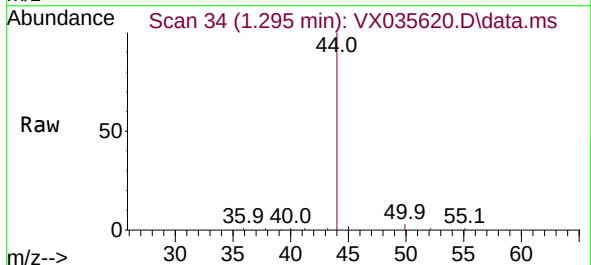
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

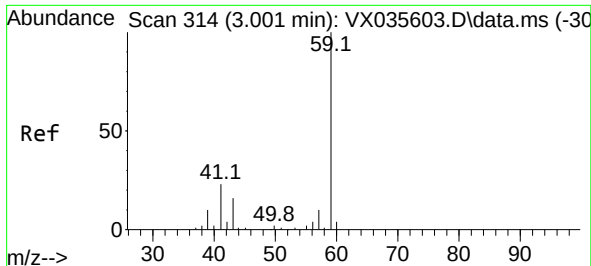
Tgt Ion:168 Resp: 188860
Ion Ratio Lower Upper
168 100
99 71.4 45.7 68.5#



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion: 50 Resp: 621
Ion Ratio Lower Upper
50 100
52 23.4 25.9 38.9#





#11

Tert butyl alcohol

Concen: 607.115 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.024 min

Lab File: VX035620.D

Acq: 11 May 2023 20:10

Instrument :

MSVOA_X

ClientSampleId :

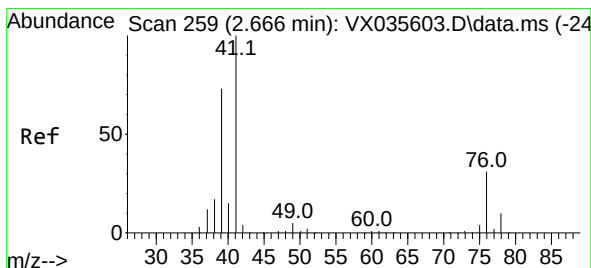
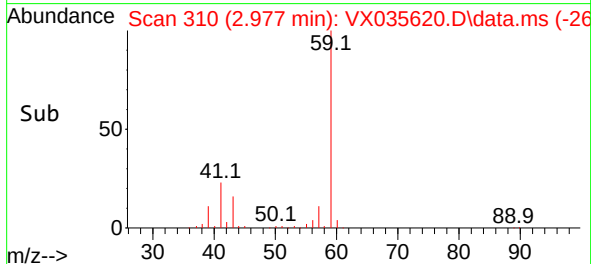
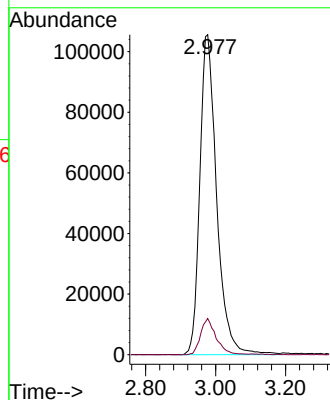
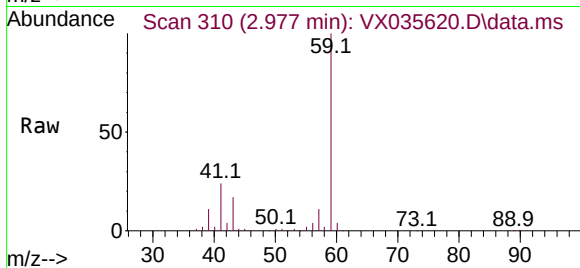
230510054-02-VOA

Tgt Ion: 59 Resp: 352903

Ion Ratio Lower Upper

59 100

57 10.4 8.1 12.1



#14

Allyl chloride

Concen: 1.181 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.012 min

Lab File: VX035620.D

Acq: 11 May 2023 20:10

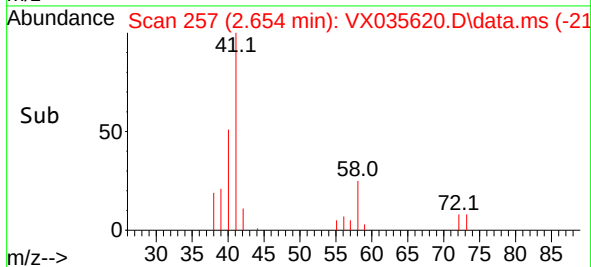
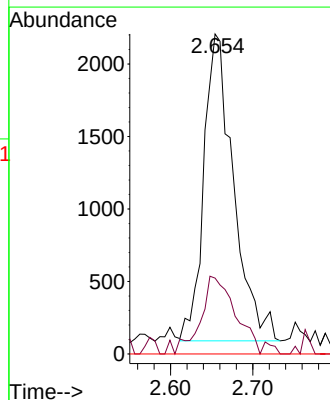
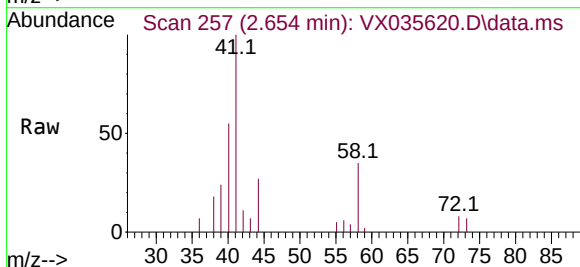
Tgt Ion: 41 Resp: 5323

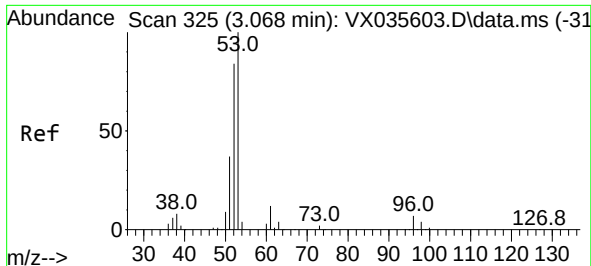
Ion Ratio Lower Upper

41 100

39 30.0 52.4 78.6#

76 0.0 26.0 39.0#

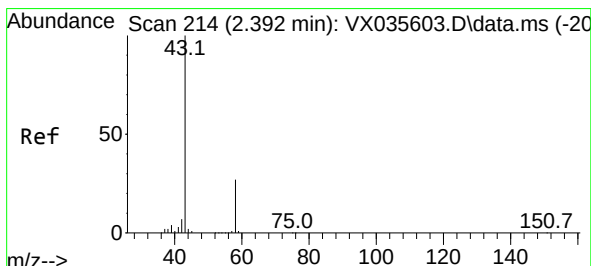
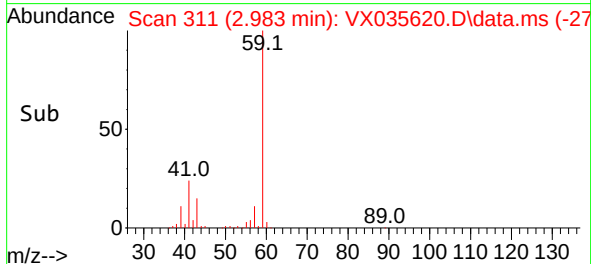
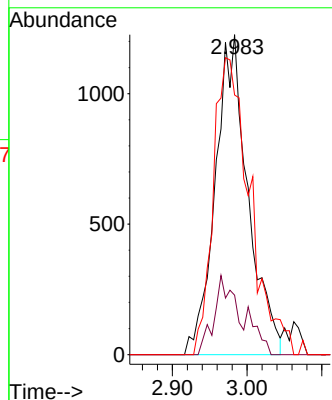
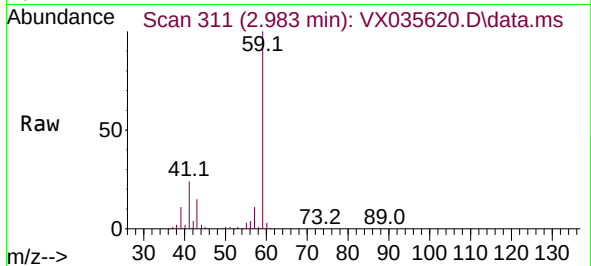




#15
Acrylonitrile
Concen: 2.905 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.085 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

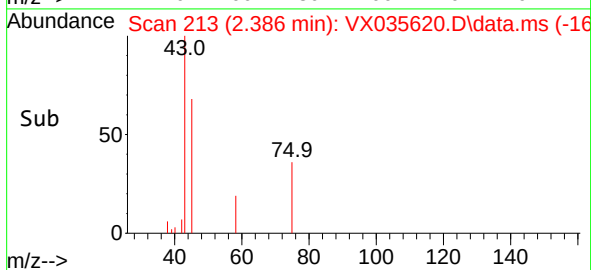
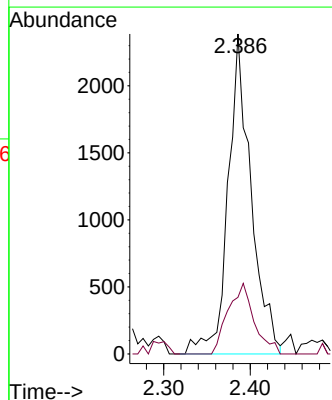
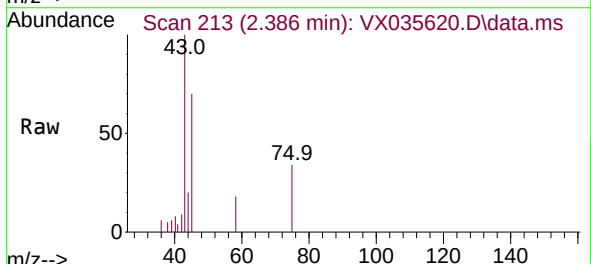
Instrument :
MSVOA_X
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230510054-02-VOA

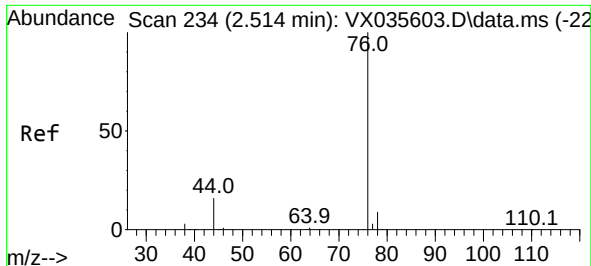
Tgt Ion: 53 Resp: 3719
Ion Ratio Lower Upper
53 100
52 16.1 66.2 99.2#
51 103.5 28.3 42.5#



#16
Acetone
Concen: 3.112 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion: 43 Resp: 4407
Ion Ratio Lower Upper
43 100
58 17.7 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.200 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX035620.D

Acq: 11 May 2023 20:10

Instrument :

MSVOA_X

ClientSampleId :

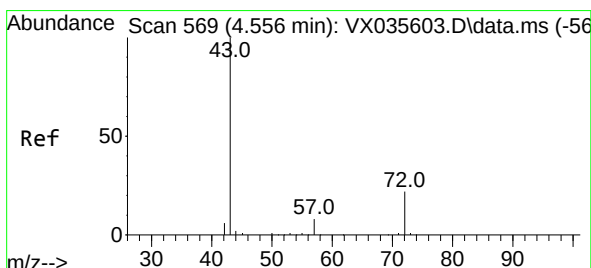
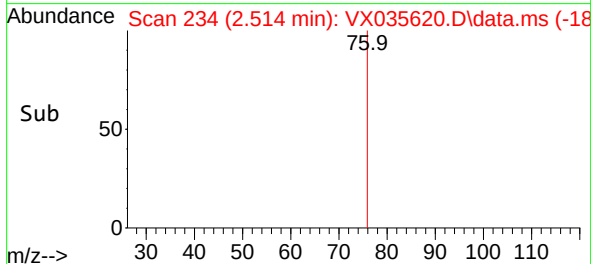
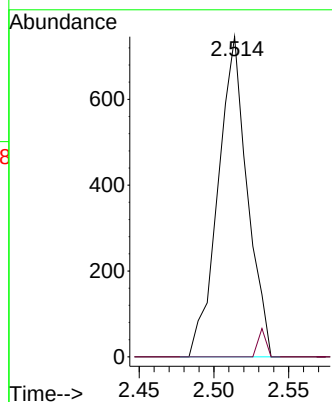
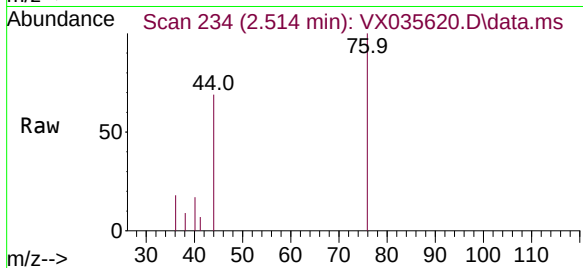
230510054-02-VOA

Tgt Ion: 76 Resp: 1016

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#25

2-Butanone

Concen: 9.244 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX035620.D

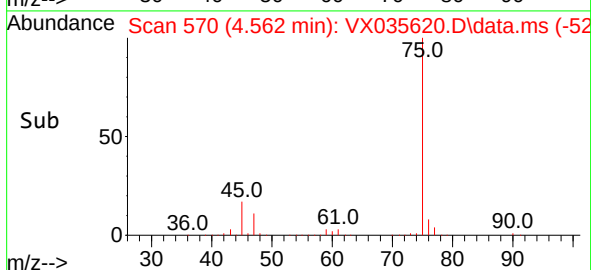
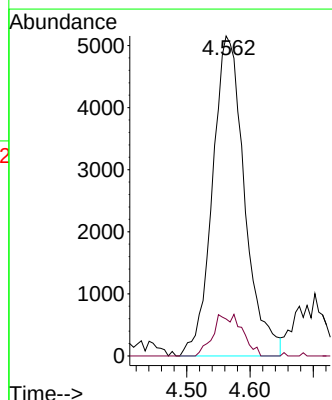
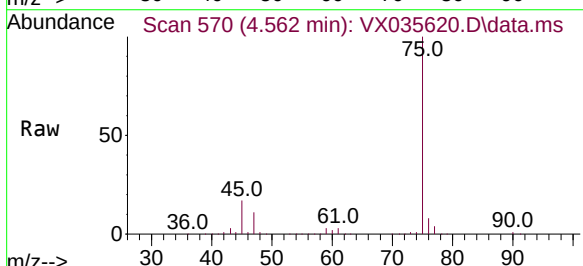
Acq: 11 May 2023 20:10

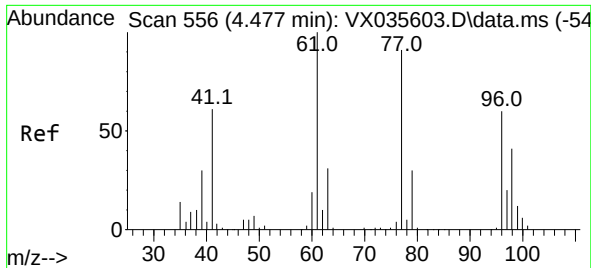
Tgt Ion: 43 Resp: 18121

Ion Ratio Lower Upper

43 100

72 11.5 19.3 28.9#

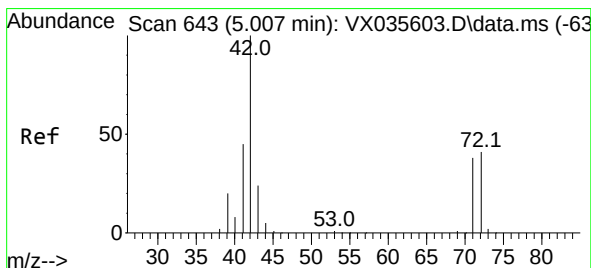
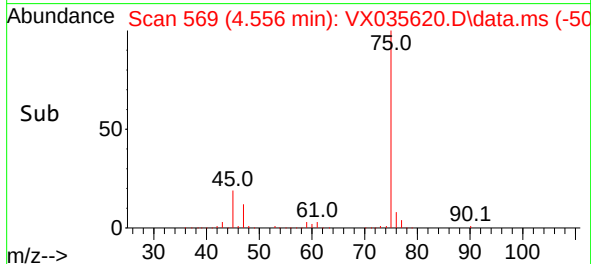
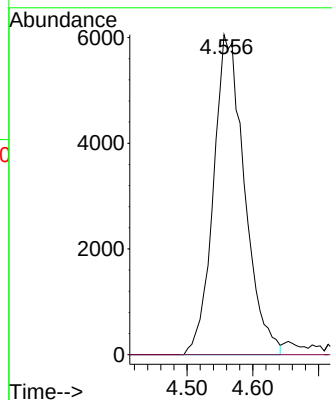
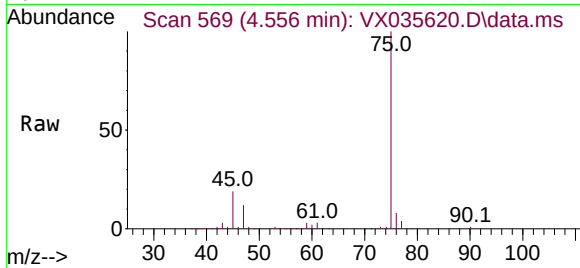




#26
2,2-Dichloropropane
Concen: 4.973 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.079 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

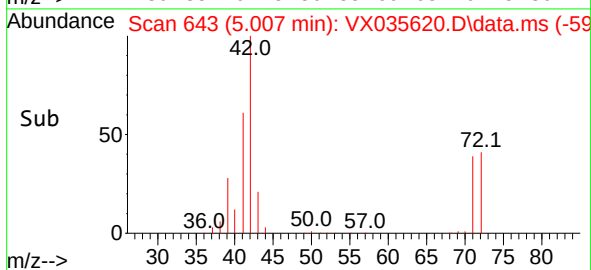
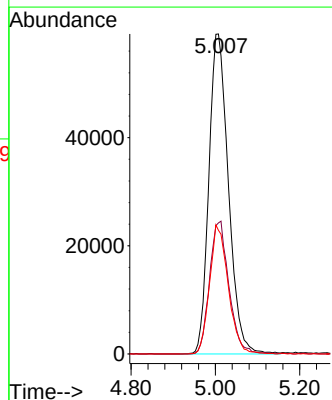
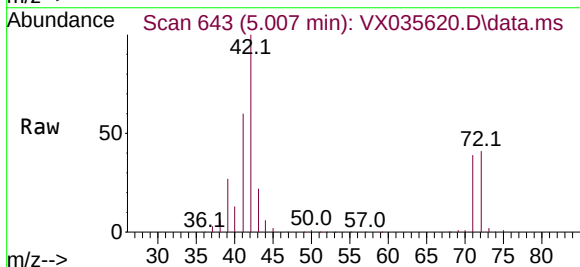
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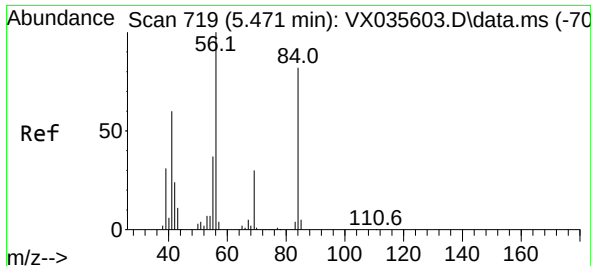
Tgt Ion: 77 Resp: 19871
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#29
Tetrahydrofuran
Concen: 154.754 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

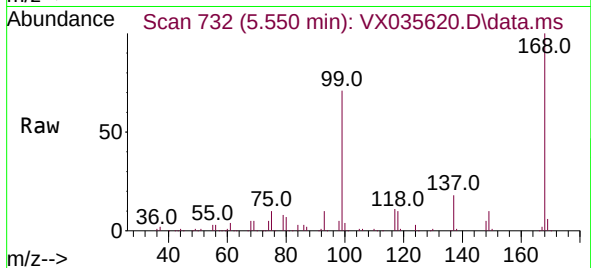
Tgt Ion: 42 Resp: 190673
Ion Ratio Lower Upper
42 100
72 41.2 34.5 51.7
71 38.6 32.1 48.1



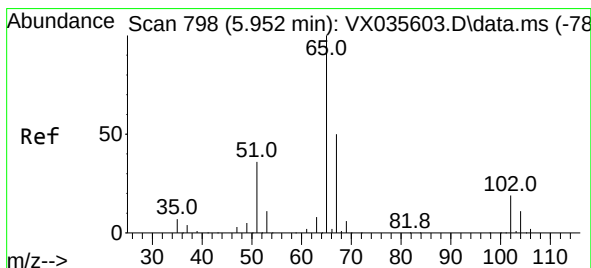
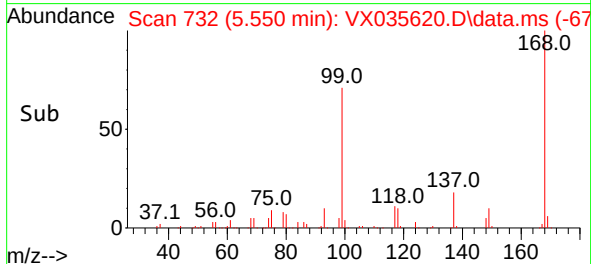
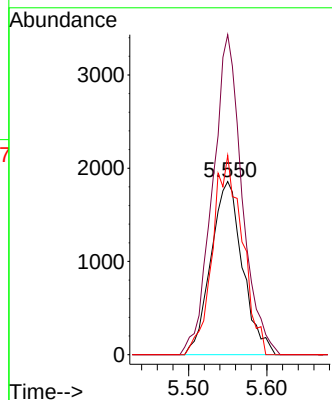


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

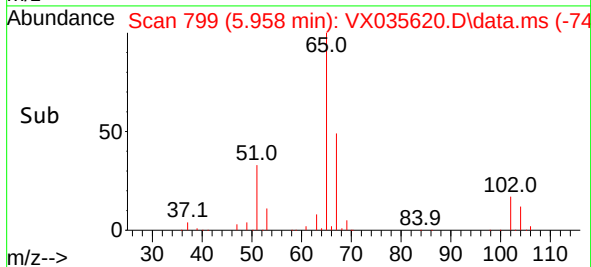
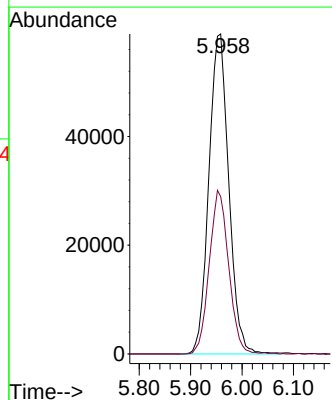
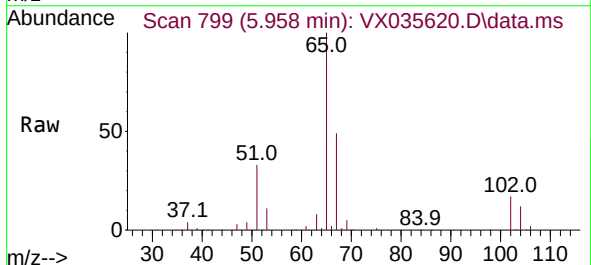


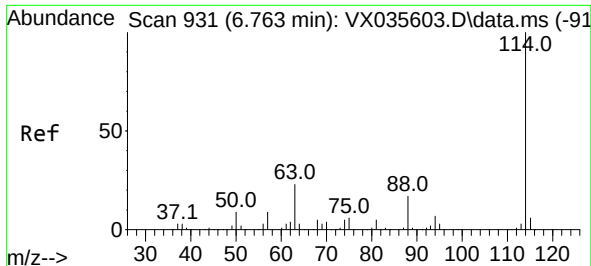
Tgt Ion: 56 Resp: 5210
Ion Ratio Lower Upper
56 100
69 184.9 23.7 35.5#
84 115.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.009 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion: 65 Resp: 158177
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0

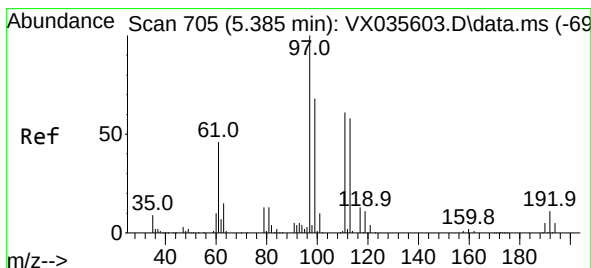
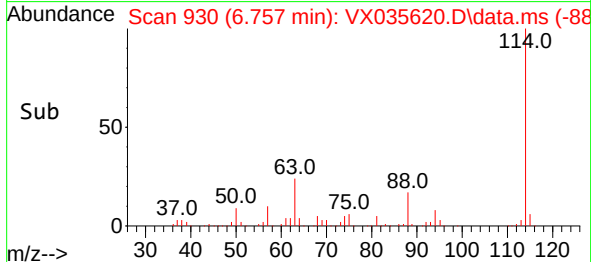
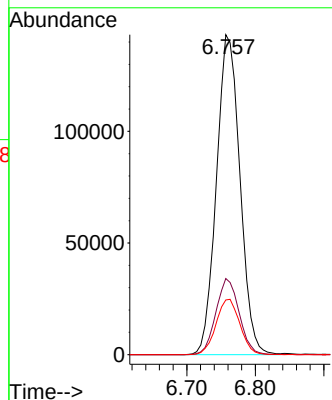
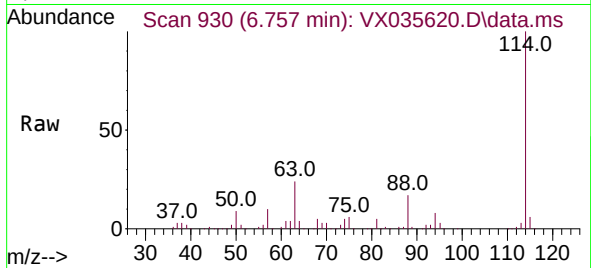




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

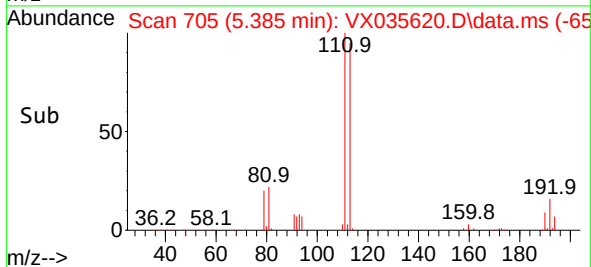
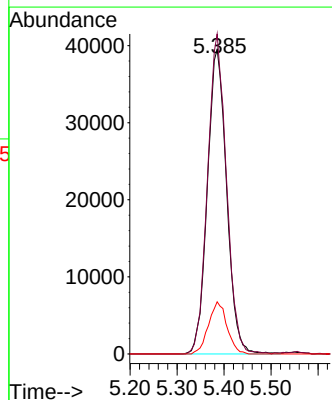
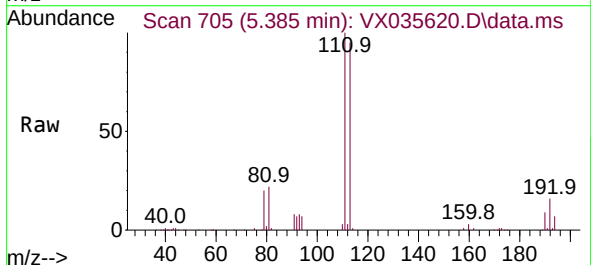
Instrument :
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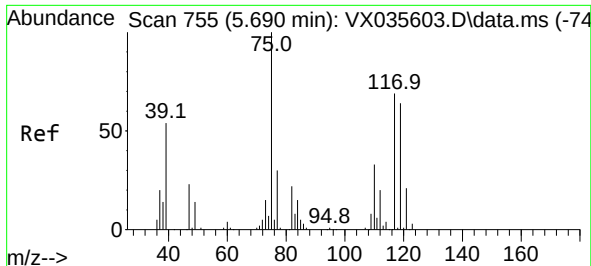
Tgt Ion:114 Resp: 341573
Ion Ratio Lower Upper
114 100
63 23.8 0.0 42.2
88 17.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.736 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

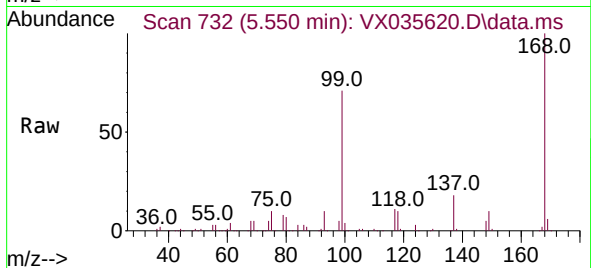
Tgt Ion:113 Resp: 112266
Ion Ratio Lower Upper
113 100
111 103.3 83.7 125.5
192 16.5 15.4 23.2



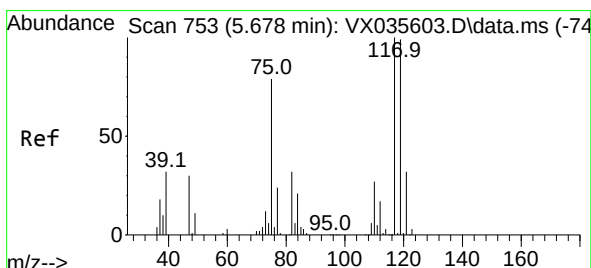
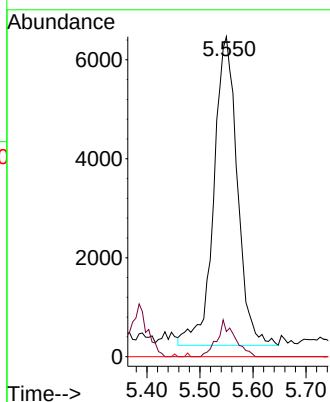
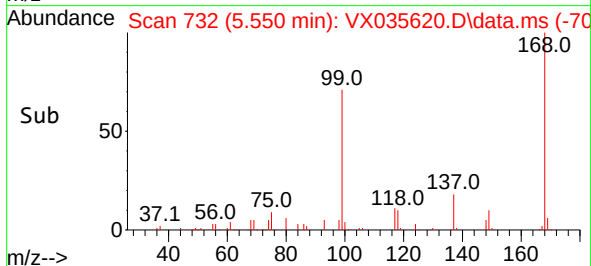


#36
1,1-Dichloropropene
Concen: 5.289 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

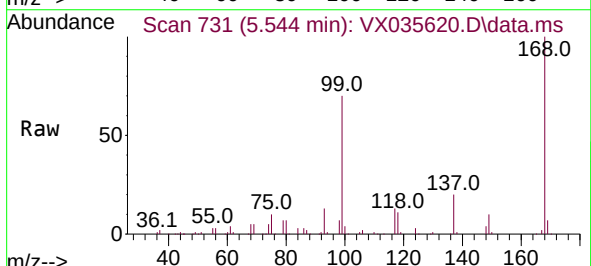
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA



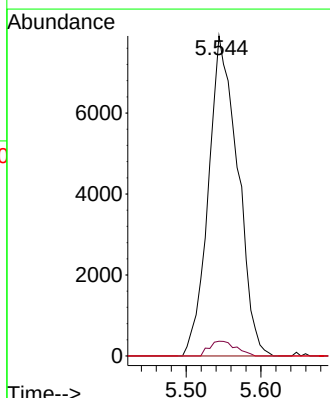
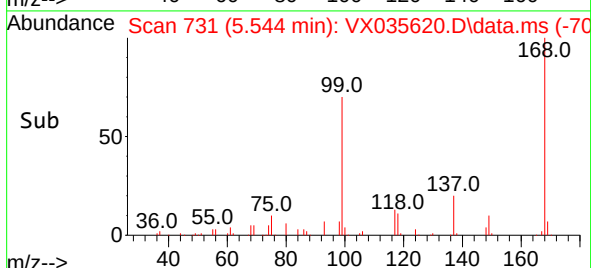
Tgt Ion: 75 Resp: 19233
Ion Ratio Lower Upper
75 100
110 8.9 17.5 52.5#
77 0.0 24.3 36.5#

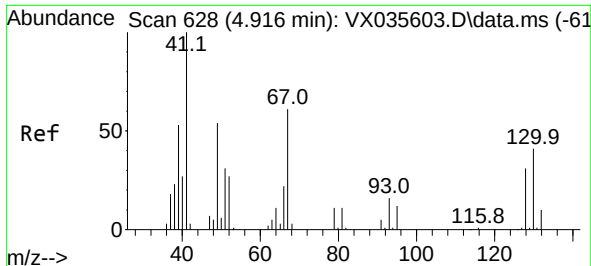


#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10



Tgt Ion: 117 Resp: 21583
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 23.8 35.6#

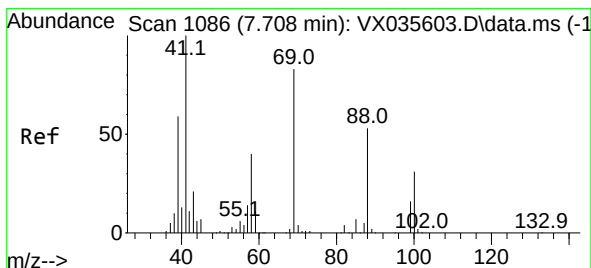
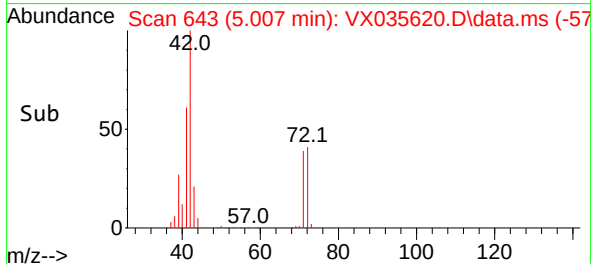
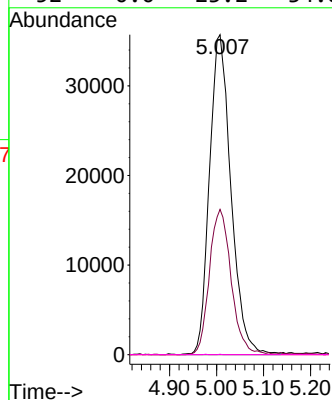
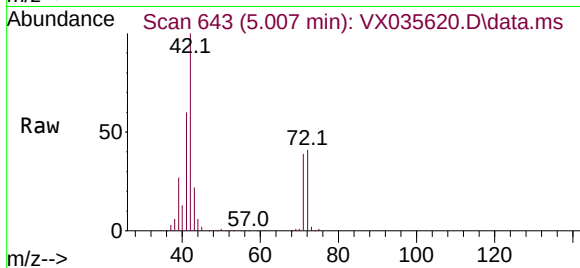




#41
Methacrylonitrile
Concen: 50.364 ug/l
RT: 5.007 min Scan# 641
Delta R.T. 0.091 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

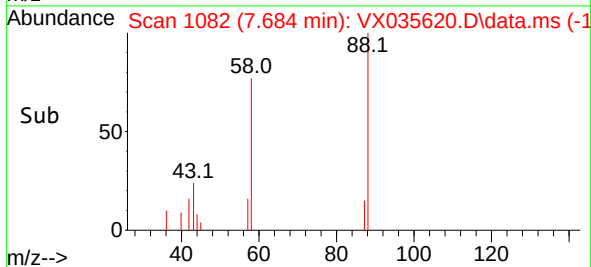
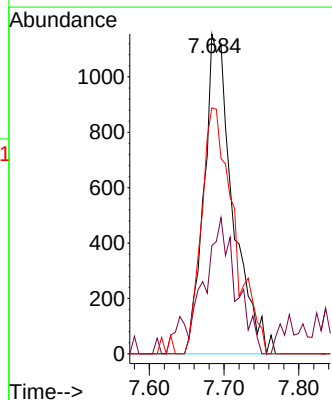
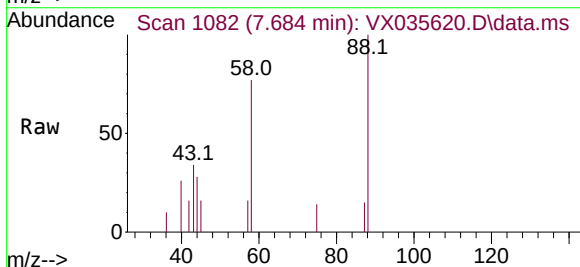
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

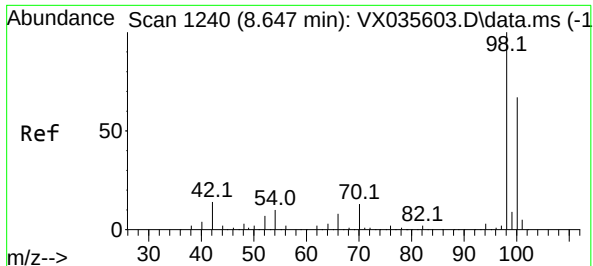
Tgt Ion:	41	Resp:	113408
Ion	Ratio	Lower	Upper
41	100		
39	46.0	45.0	67.6
67	0.0	55.6	83.4#
52	0.0	23.2	34.8#



#49
1,4-Dioxane
Concen: 44.653 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.024 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion:	88	Resp:	3079
Ion	Ratio	Lower	Upper
88	100		
43	45.7	27.7	41.5#
58	86.5	56.8	85.2#

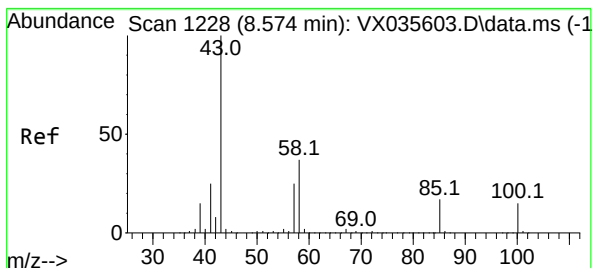
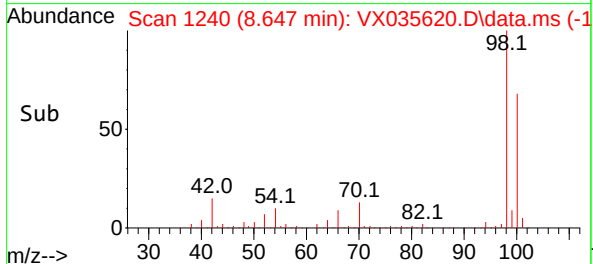
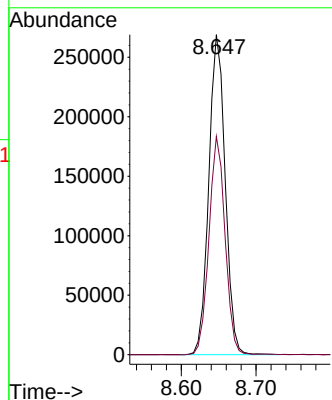
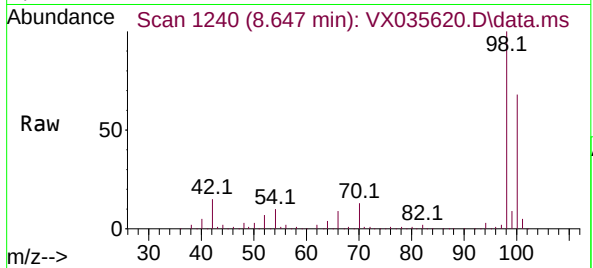




#50
Toluene-d8
Concen: 48.155 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

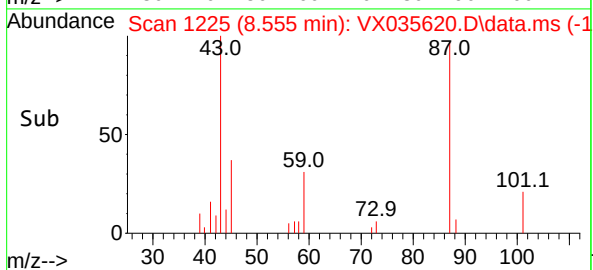
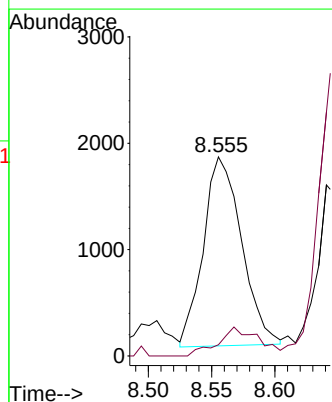
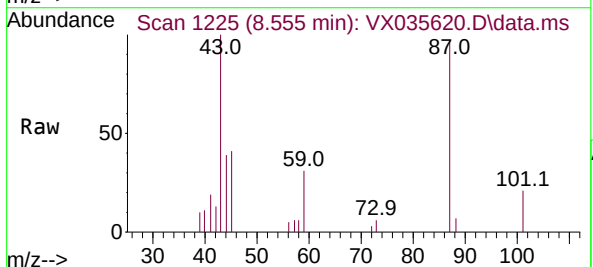
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

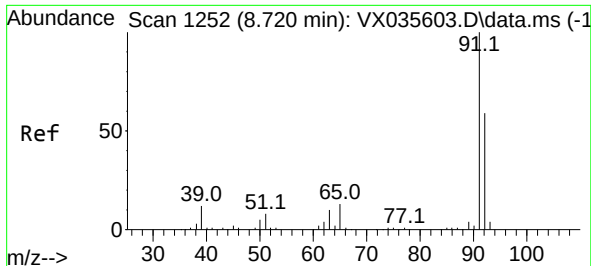
Tgt Ion: 98 Resp: 409793
Ion Ratio Lower Upper
98 100
100 66.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.983 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.019 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion: 43 Resp: 3747
Ion Ratio Lower Upper
43 100
58 16.1 30.6 46.0#

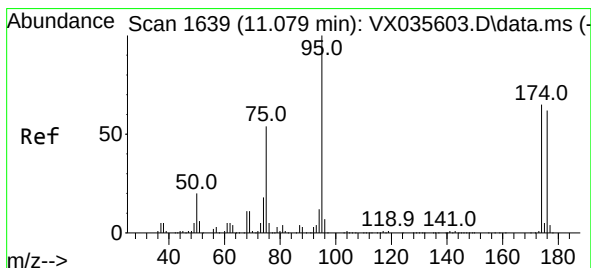
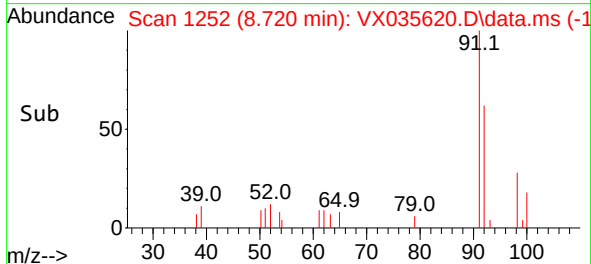
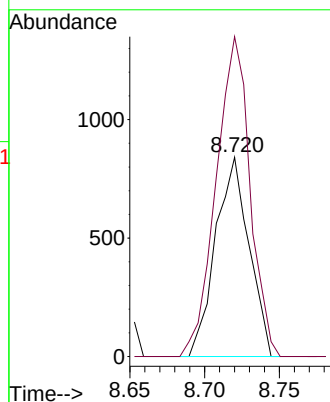
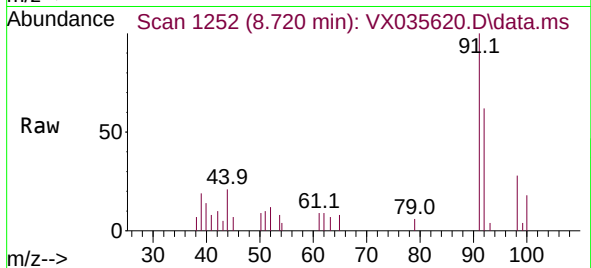




#52
Toluene
Concen: 0.204 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

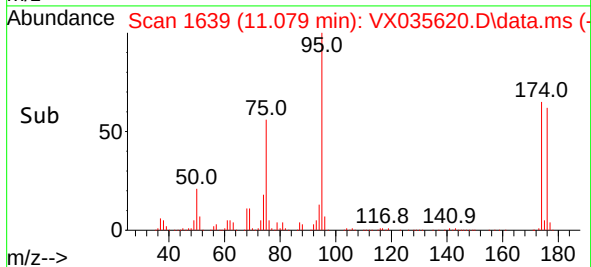
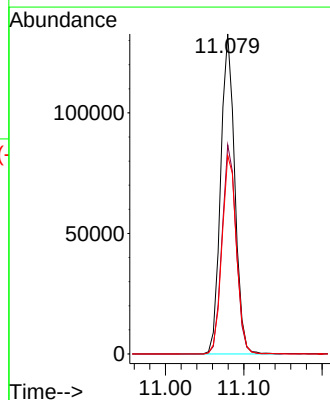
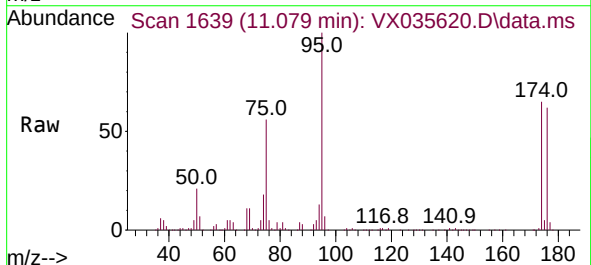
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

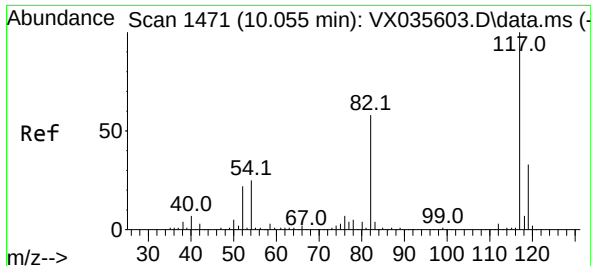
Tgt Ion: 92 Resp: 1310
Ion Ratio Lower Upper
92 100
91 162.7 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 48.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion: 95 Resp: 166174
Ion Ratio Lower Upper
95 100
174 65.4 0.0 147.4
176 63.9 0.0 140.6

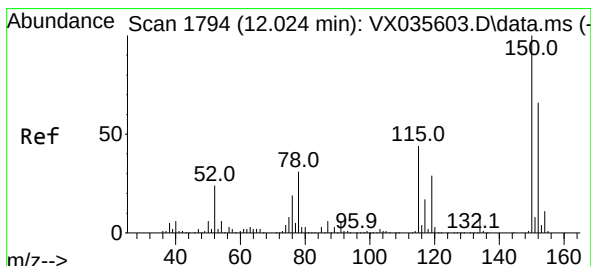
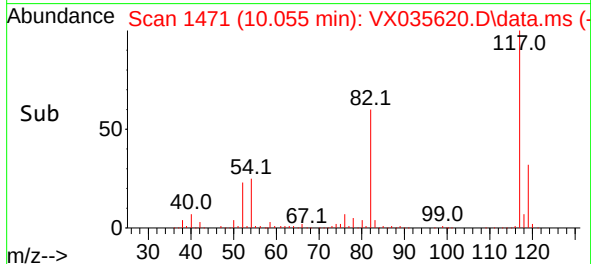
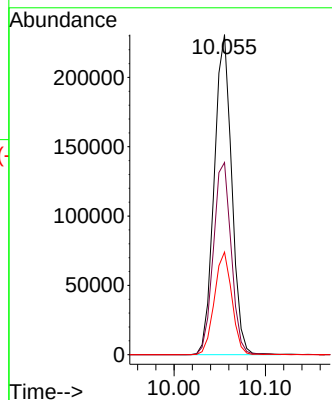
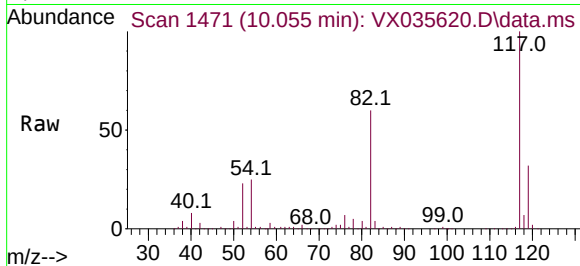




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

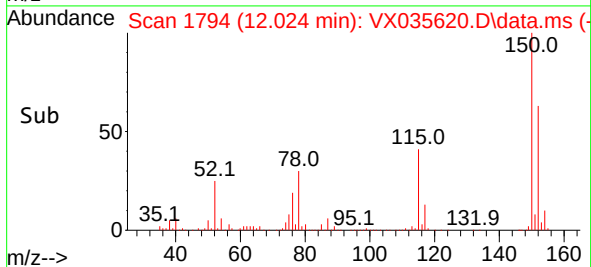
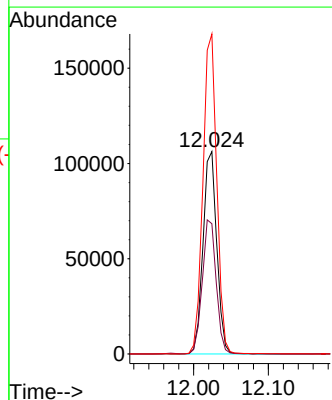
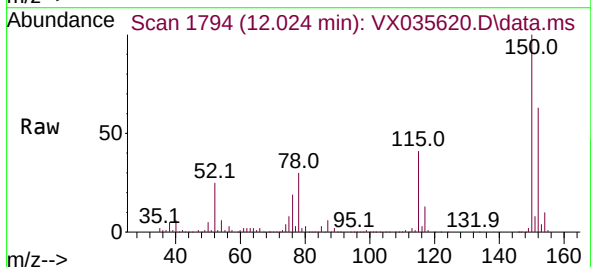
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

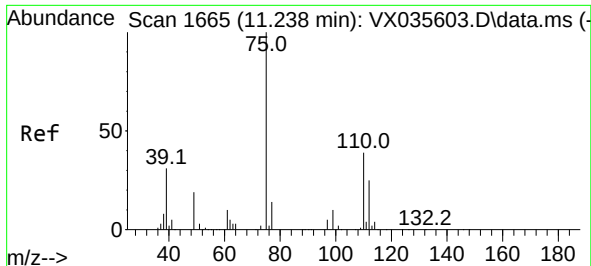
Tgt Ion:117 Resp: 306777
Ion Ratio Lower Upper
117 100
82 60.0 45.0 67.4
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion:152 Resp: 135730
Ion Ratio Lower Upper
152 100
115 66.9 45.0 135.0
150 158.7 0.0 352.4

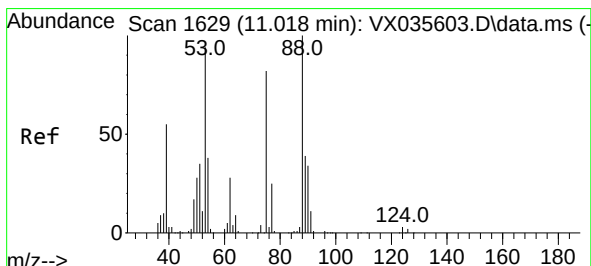
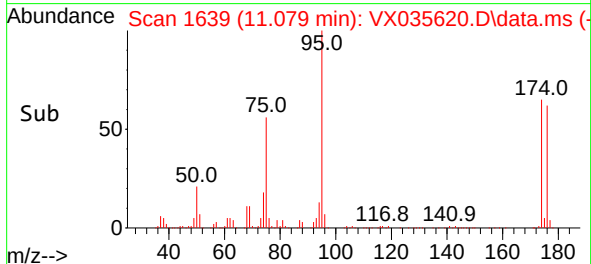
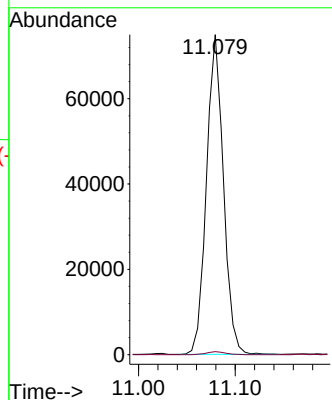
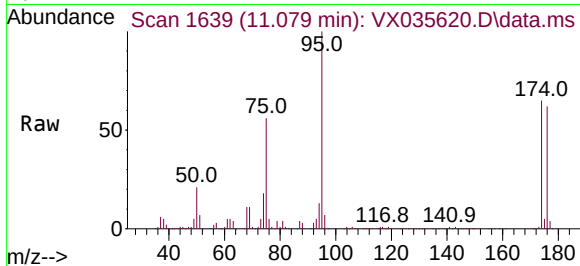




#76
1,2,3-Trichloropropane
Concen: 27.541 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

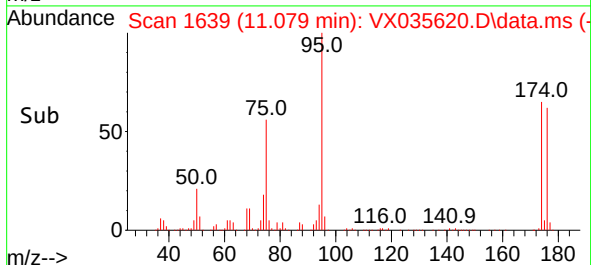
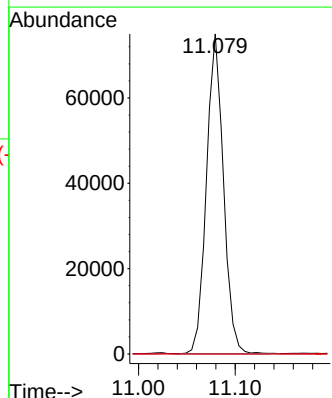
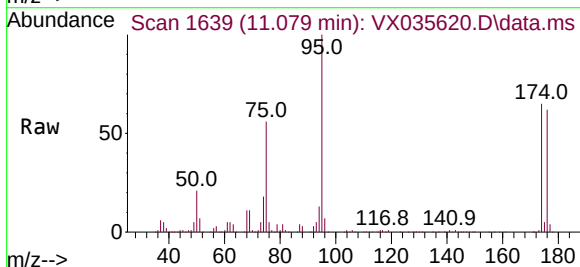
Instrument :
MSVOA_X
ClientSampleId :
230510054-02-VOA

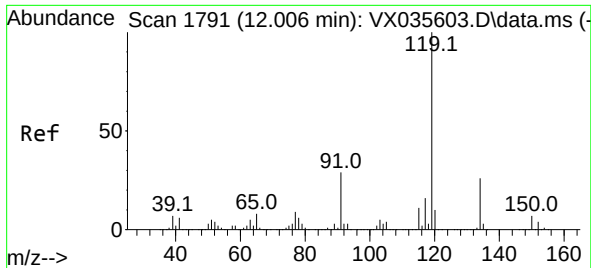
Tgt Ion: 75 Resp: 91436
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035620.D
Acq: 11 May 2023 20:10

Tgt Ion: 75 Resp: 91436
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

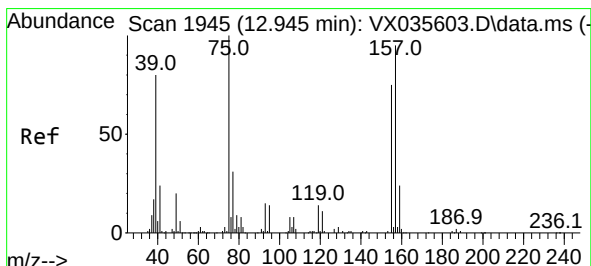
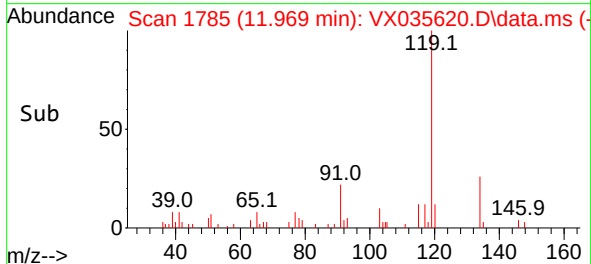
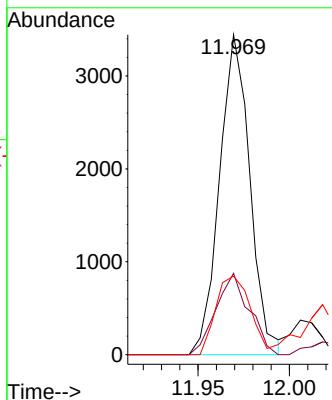
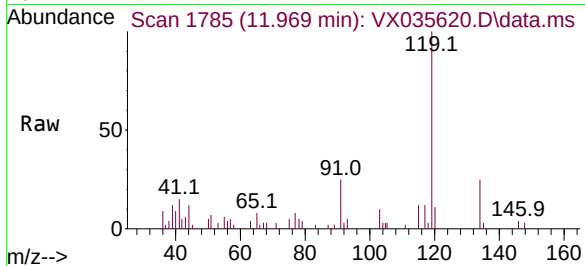




#86
 p-Isopropyltoluene
 Concen: 0.409 ug/l
 RT: 11.969 min Scan# 1199
 Delta R.T. -0.037 min
 Lab File: VX035620.D
 Acq: 11 May 2023 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 230510054-02-VOA

Tgt Ion:	119	Resp:	3989
Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.2	39.5
91	28.8	12.9	38.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.229 ug/l
 RT: 12.969 min Scan# 1949
 Delta R.T. 0.024 min
 Lab File: VX035620.D
 Acq: 11 May 2023 20:10

Tgt Ion:	75	Resp:	189
Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.4	115.1#
157	0.0	49.9	149.7#

