

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029249.D
 Acq On : 06 Jun 2022 19:27
 Operator : JC/MD
 Sample : N3189-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20220423-SPLP-AMENDED-COMPOSITE-C

Quant Time: Jun 07 06:06:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

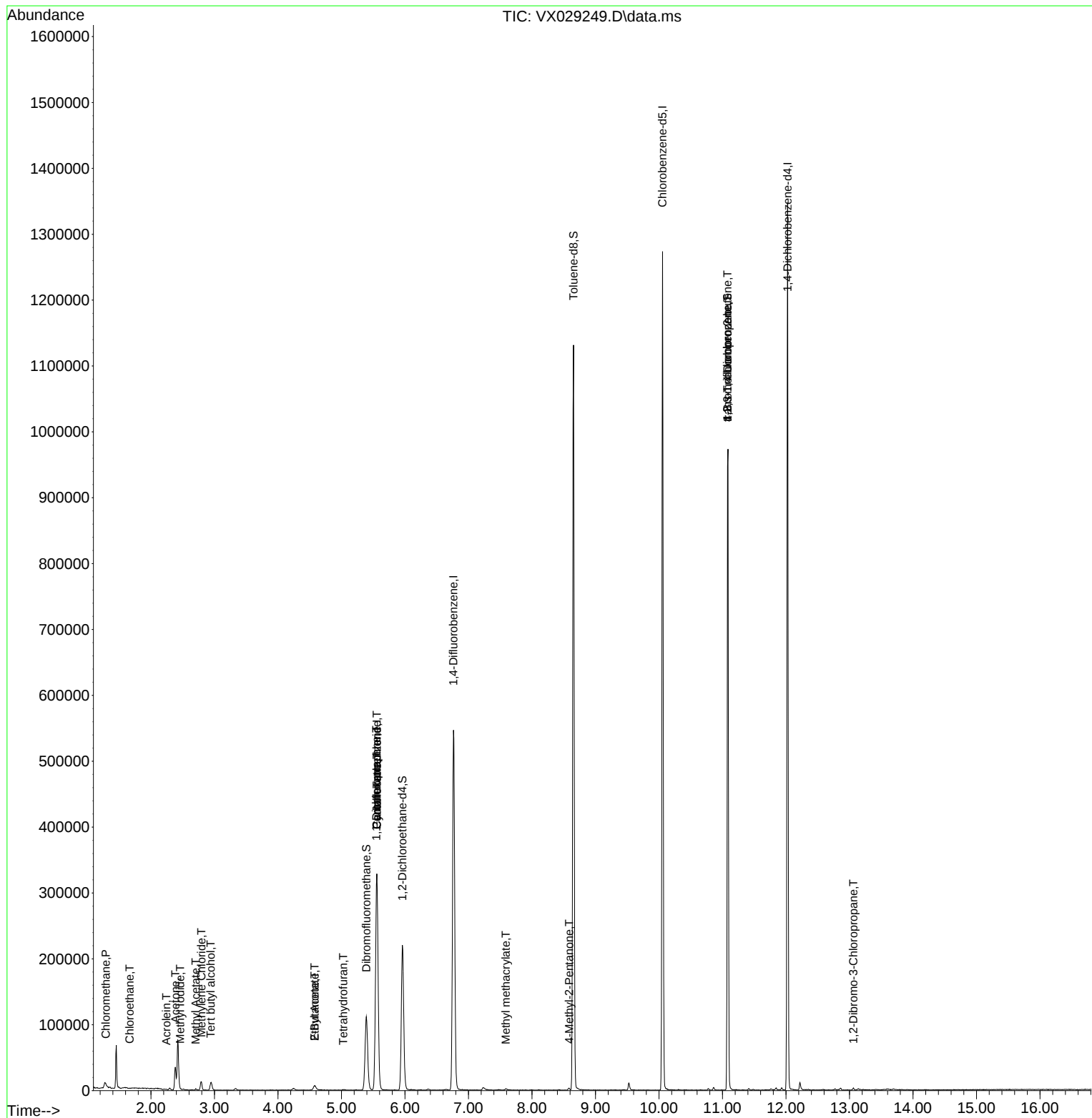
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	306092	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	576024	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	568753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	269890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	211320	61.223	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	122.440%
35) Dibromofluoromethane	5.391	113	99099	25.901	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	51.800%#
50) Toluene-d8	8.653	98	687206	49.109	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.220%
62) 4-Bromofluorobenzene	11.079	95	281934	52.121	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.289	50	707	0.254	ug/l	# 62
5) Bromomethane	1.618	94	688	Below Cal	#	80
6) Chloroethane	1.666	64	361	1.536	ug/l	# 43
10) Methyl Iodide	2.459	142	264	4.297	ug/l	# 75
11) Tert butyl alcohol	2.941	59	7116	8.900	ug/l	# 72
13) Acrolein	2.240	56	569	1.571	ug/l	99
16) Acetone	2.386	43	37620	27.679	ug/l	91
18) Methyl Acetate	2.703	43	2068	0.588	ug/l	# 88
20) Methylene Chloride	2.794	84	6217	1.962	ug/l	93
25) 2-Butanone	4.574	43	6643	3.030	ug/l	95
29) Tetrahydrofuran	5.026	42	413	0.294	ug/l	# 34
31) Cyclohexane	5.556	56	5902	1.315	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	24225	4.921	ug/l	# 50
37) Ethyl Acetate	4.574	43	6643	1.392	ug/l	# 67
38) Carbon Tetrachloride	5.556	117	32943	5.855	ug/l	# 17
44) Trichloroethene	7.123	130	46	Below Cal		2
48) Methyl methacrylate	7.586	41	869	0.239	ug/l	# 21
51) 4-Methyl-2-Pentanone	8.586	43	1953	0.393	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	137827	25.192	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	137827	73.907	ug/l	# 15
92) 1,2-Dibromo-3-Chloropr...	13.061	75	945	0.692	ug/l	# 1

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

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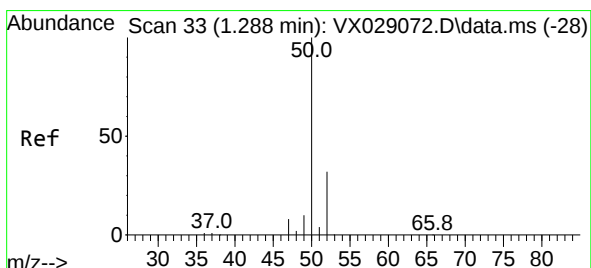
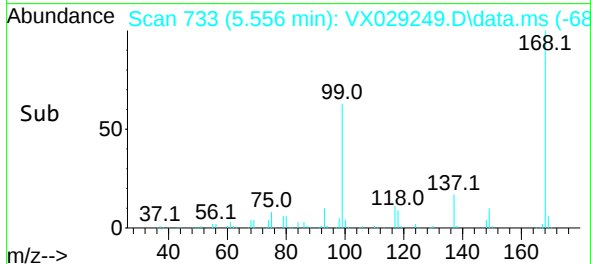
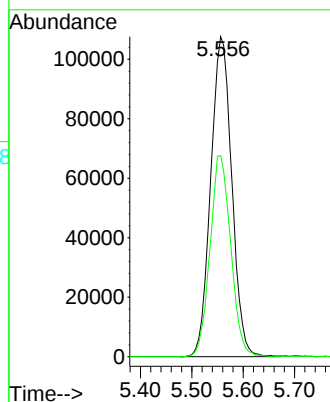
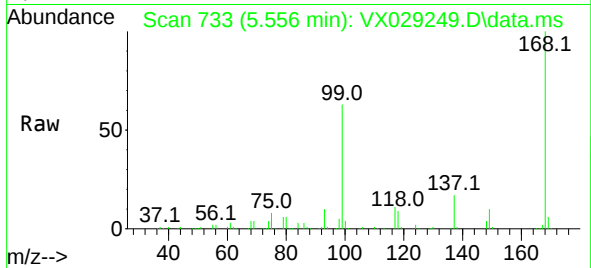




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

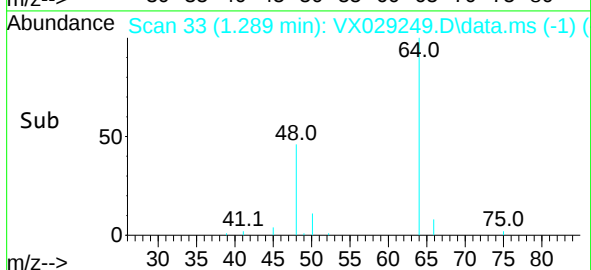
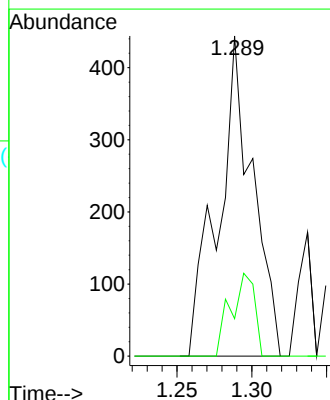
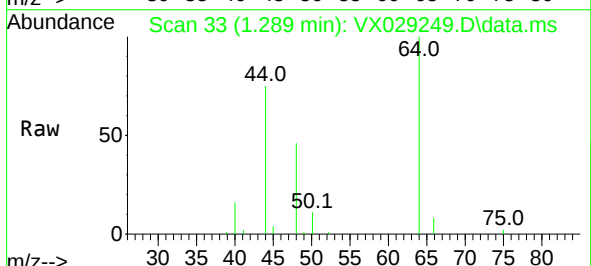
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

Tgt Ion:168 Resp: 306092
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.289 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 50 Resp: 707
Ion Ratio Lower Upper
50 100
52 11.7 26.4 39.6#

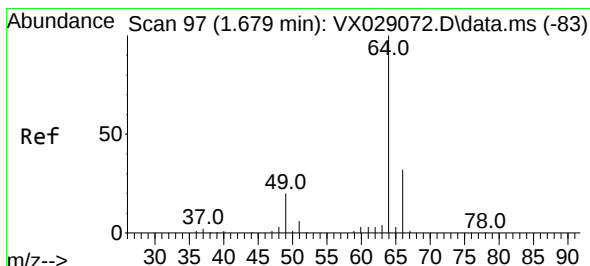
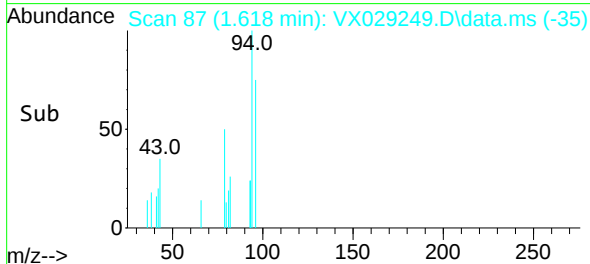
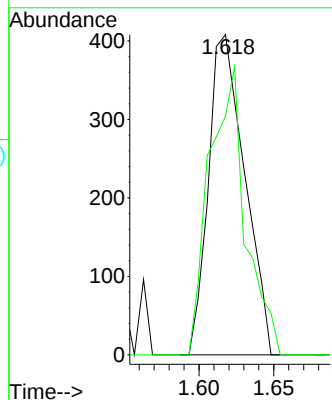
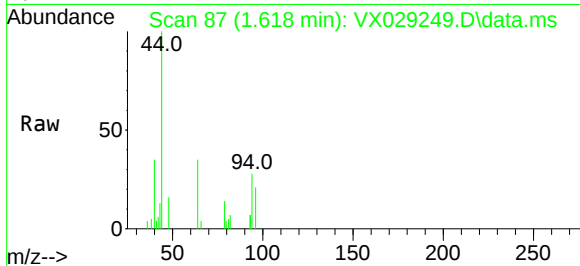




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

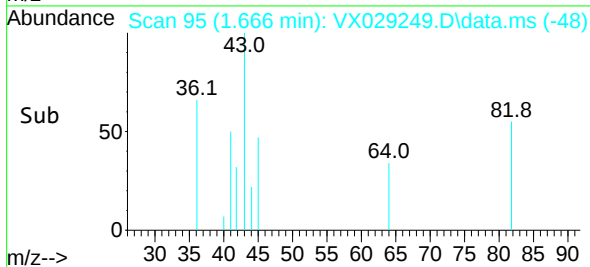
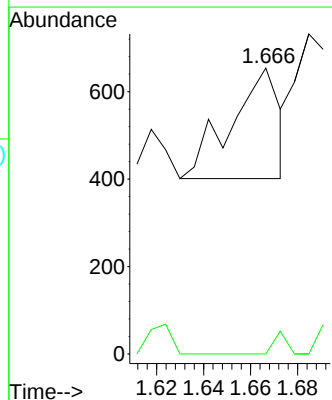
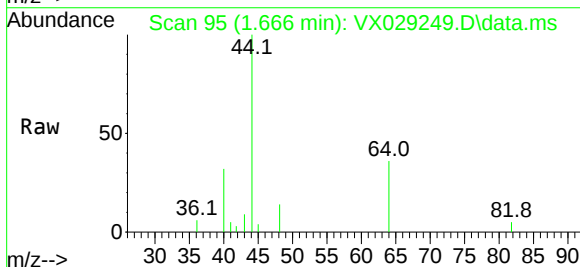
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

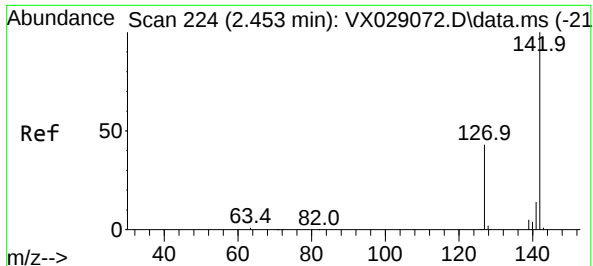
Tgt Ion: 94 Resp: 688
Ion Ratio Lower Upper
94 100
96 74.5 75.3 112.9#



#6
Chloroethane
Concen: 1.536 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 64 Resp: 361
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

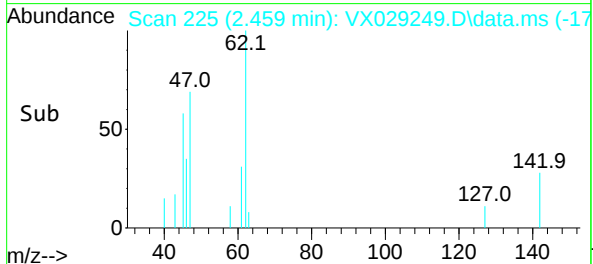
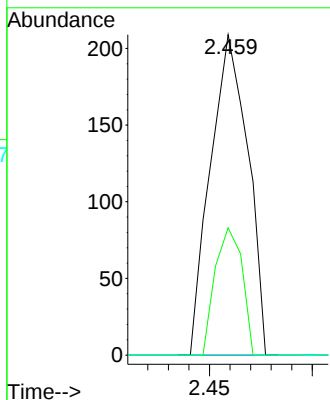
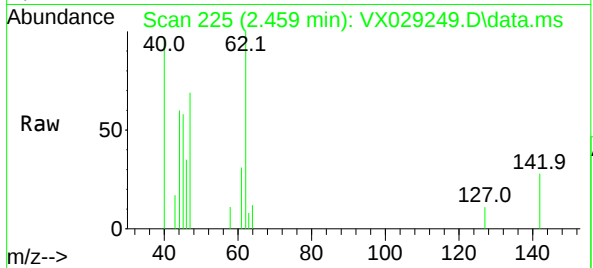




#10
Methyl Iodide
Concen: 4.297 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

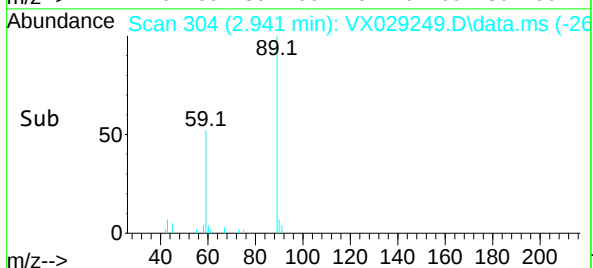
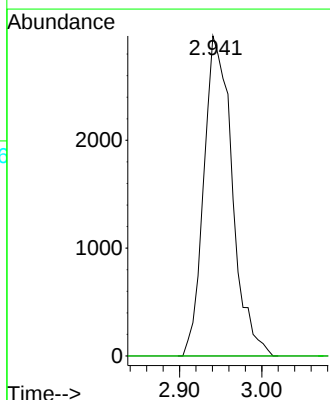
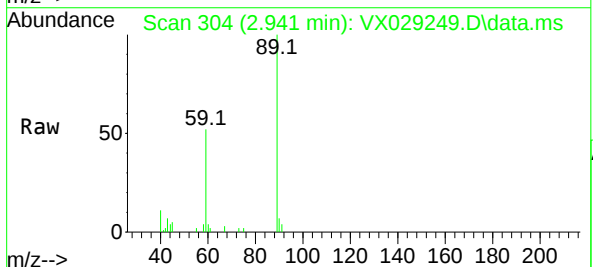
Instrument :
MSVOA_X
ClientSampleId :
20220423-SPLP-AMENDED-COMPOSITE-C

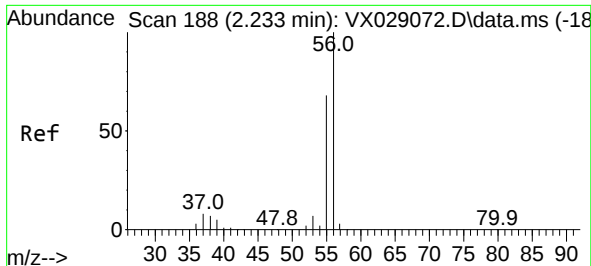
Tgt Ion:142 Resp: 264
Ion Ratio Lower Upper
142 100
127 28.8 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 8.900 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.030 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 59 Resp: 7116
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

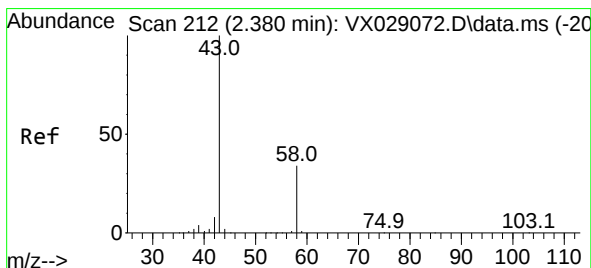
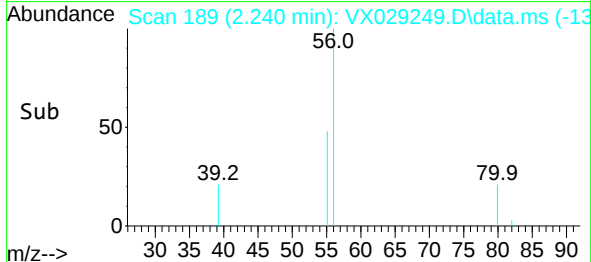
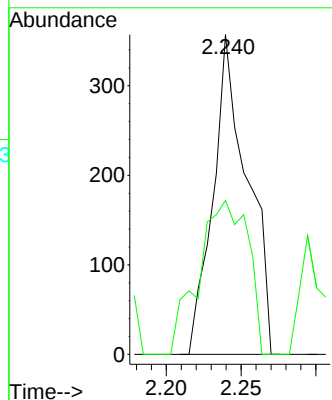
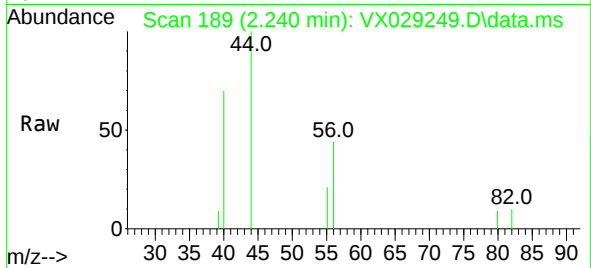




#13
Acrolein
Concen: 1.571 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

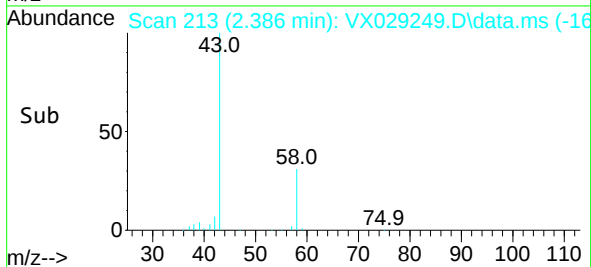
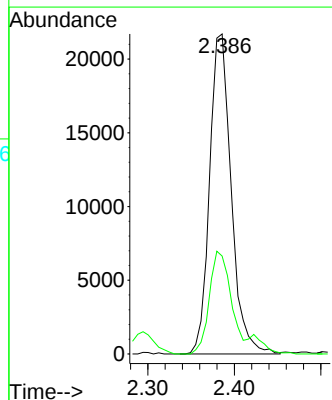
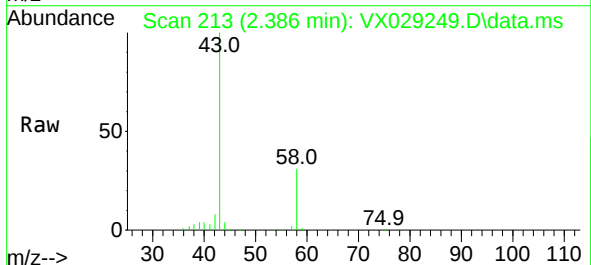
Instrument :
MSVOA_X
ClientSampleId :
20220423-SPLP-AMENDED-COMPOSITE-C

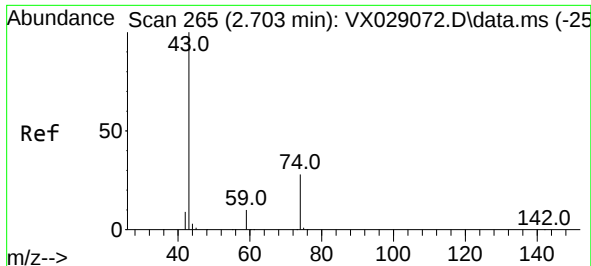
Tgt Ion: 56 Resp: 569
Ion Ratio Lower Upper
56 100
55 69.4 55.0 82.6



#16
Acetone
Concen: 27.679 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 43 Resp: 37620
Ion Ratio Lower Upper
43 100
58 30.6 28.8 43.2

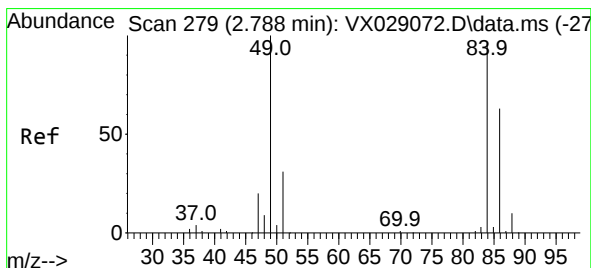
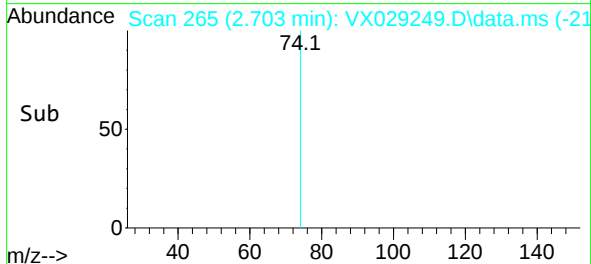
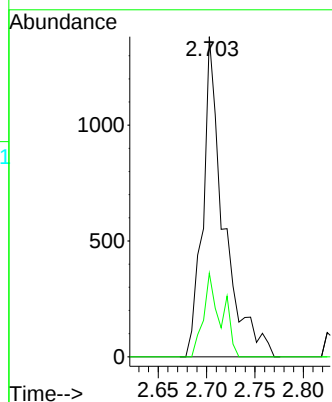
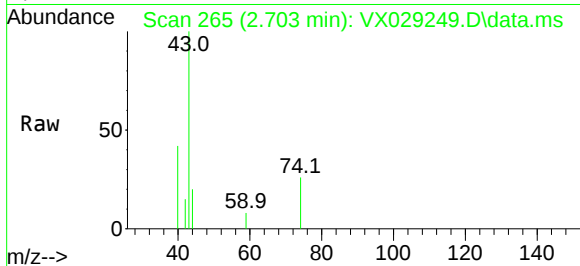




#18
Methyl Acetate
Concen: 0.588 ug/l
RT: 2.703 min Scan# 2068
Delta R.T. -0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

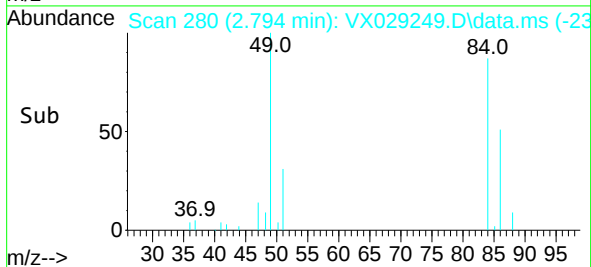
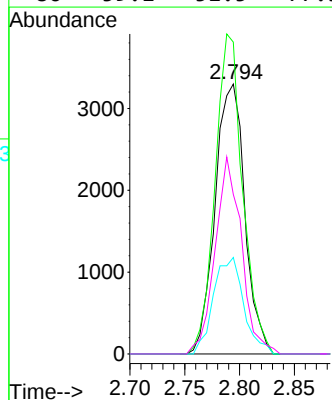
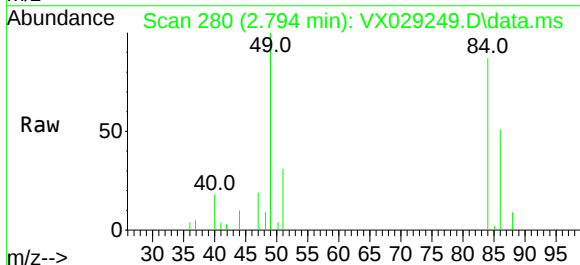
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

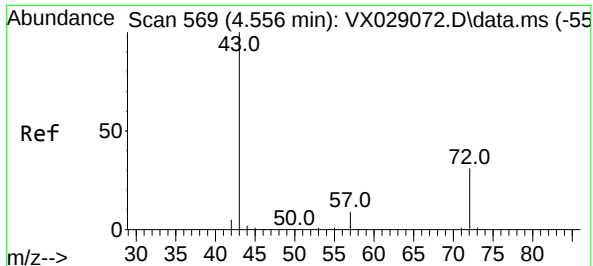
Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
74 22.4 22.8 34.2#



#20
Methylene Chloride
Concen: 1.962 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 84 Resp: 6217
Ion Ratio Lower Upper
84 100
49 115.5 85.5 128.3
51 35.8 26.6 39.8
86 59.1 51.5 77.3





#25

2-Butanone

Concen: 3.030 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX029249.D

Acq: 06 Jun 2022 19:27

Instrument :

MSVOA_X

ClientSampleId :

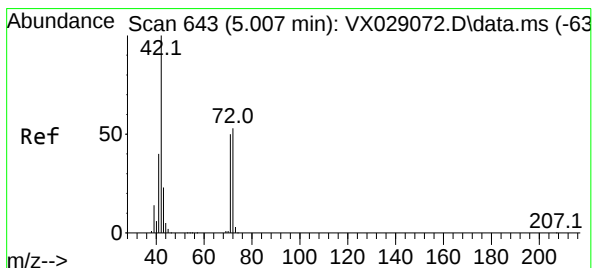
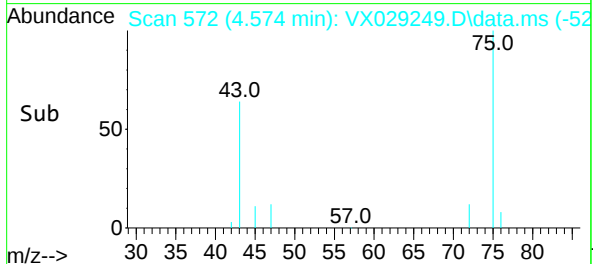
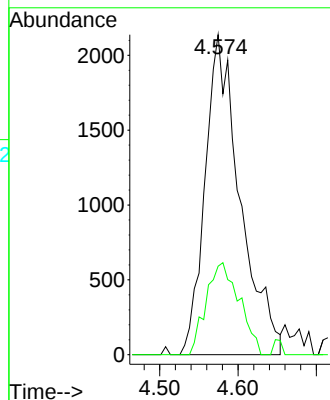
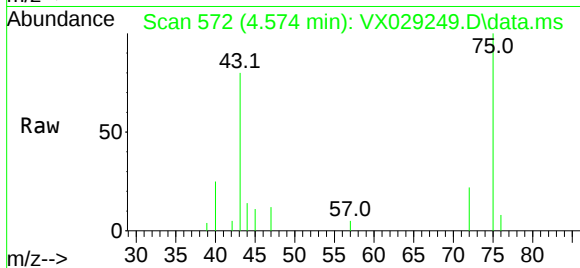
20220423-SPLP-AMENDED-COMPOSITE-C

Tgt Ion: 43 Resp: 6643

Ion Ratio Lower Upper

43 100

72 27.6 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX029249.D

Acq: 06 Jun 2022 19:27

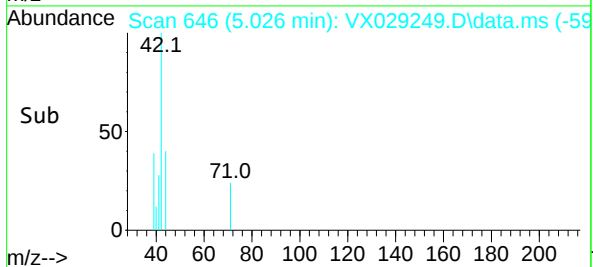
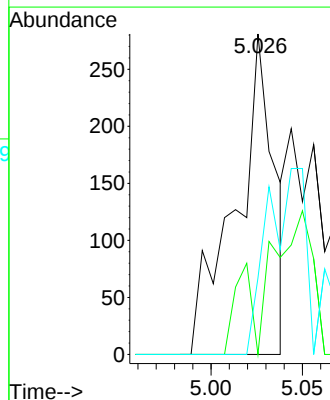
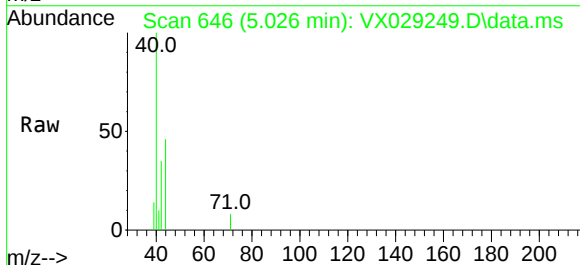
Tgt Ion: 42 Resp: 413

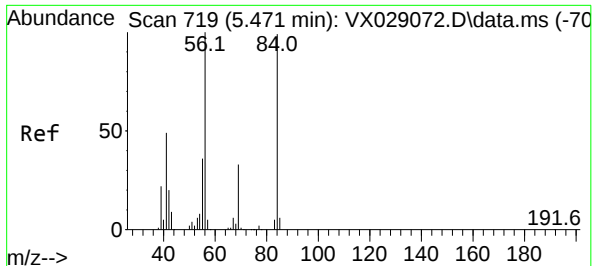
Ion Ratio Lower Upper

42 100

72 12.3 44.1 66.1#

71 0.0 40.5 60.7#

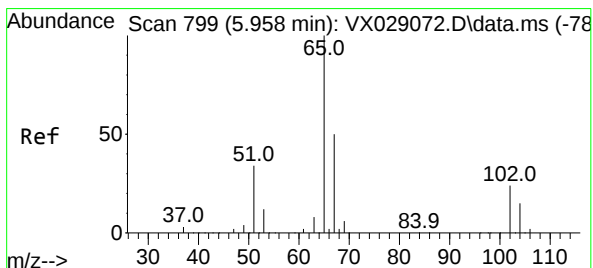
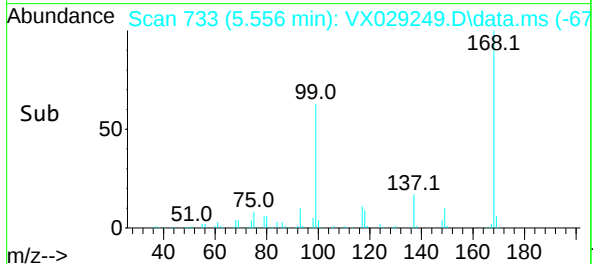
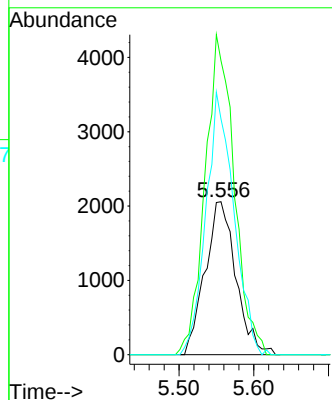
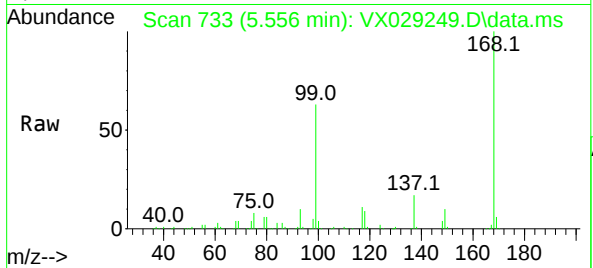




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

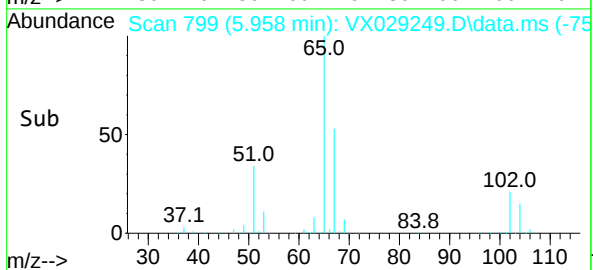
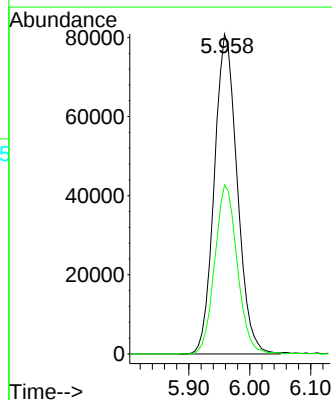
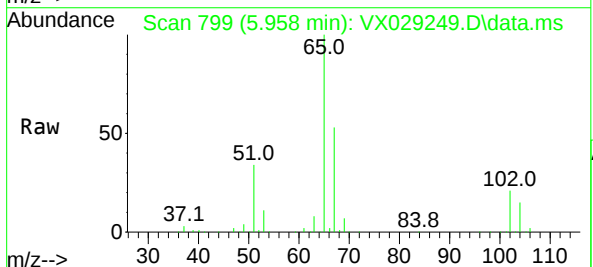
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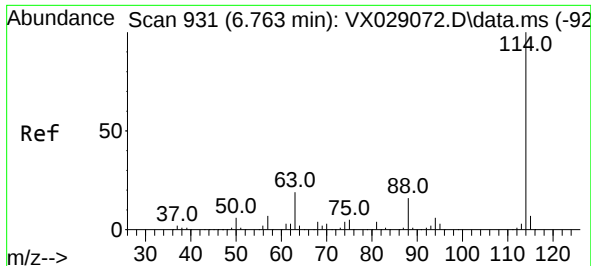
Tgt Ion: 56 Resp: 5902
Ion Ratio Lower Upper
56 100
69 192.1 26.7 40.1#
84 154.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 61.223 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 65 Resp: 211320
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

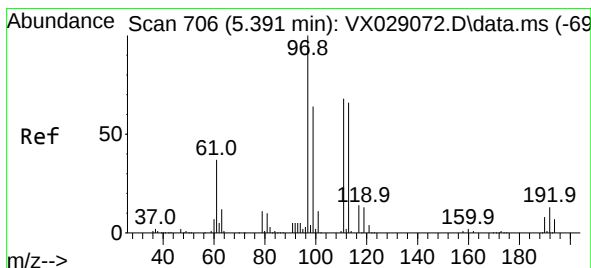
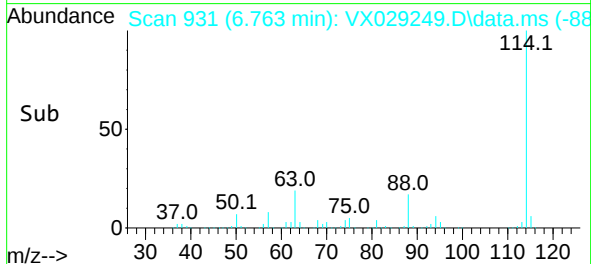
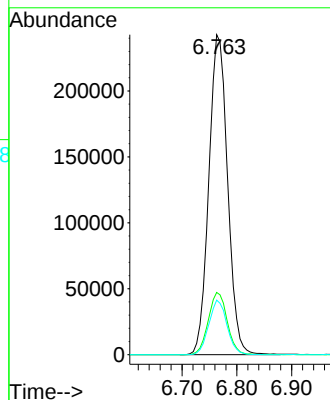
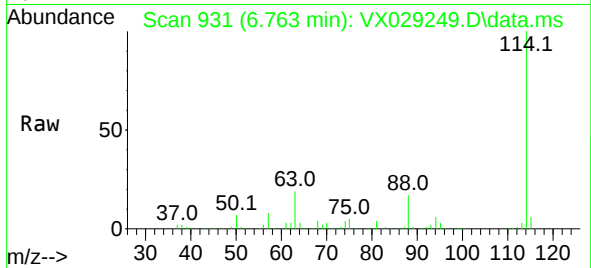




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

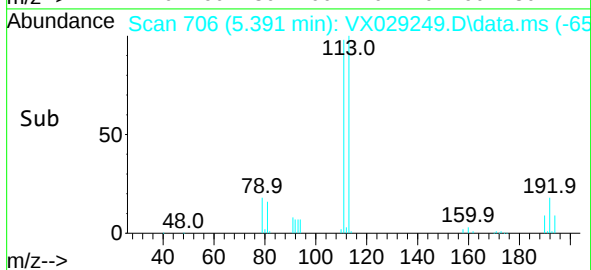
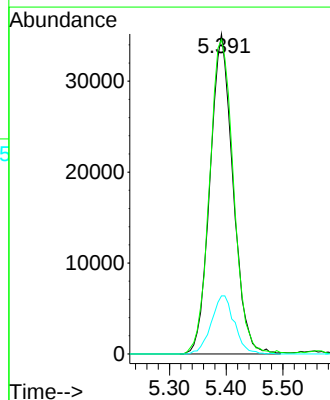
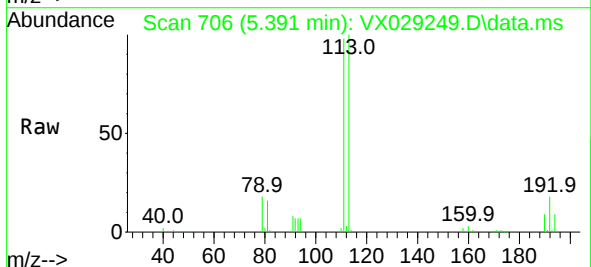
Instrument :
MSVOA_X
ClientSampleId :
20220423-SPLP-AMENDED-COMPOSITE-C

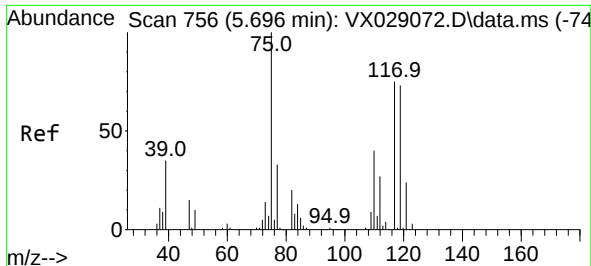
Tgt Ion:114 Resp: 576024
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 17.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 25.901 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion:113 Resp: 99099
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 18.3 16.9 25.3

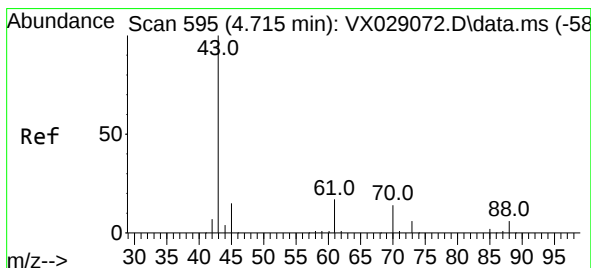
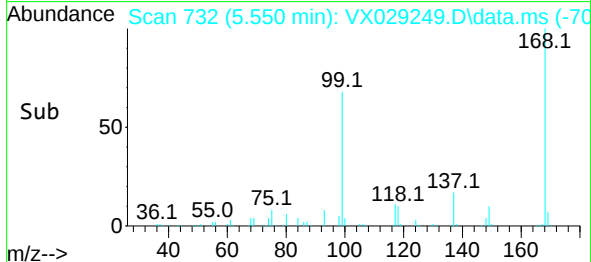
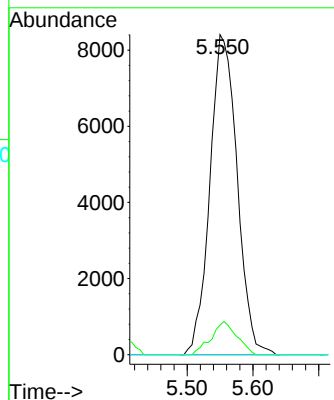
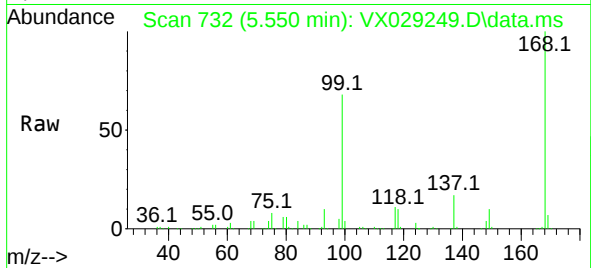




#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

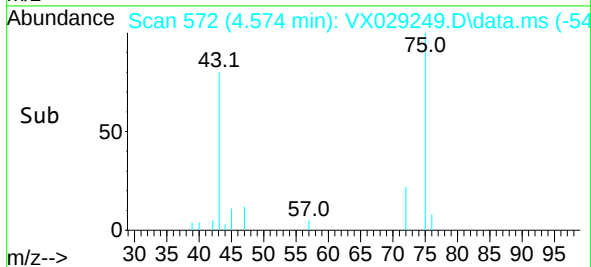
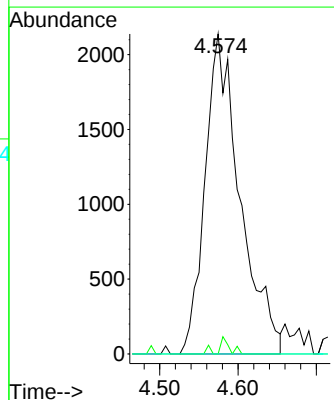
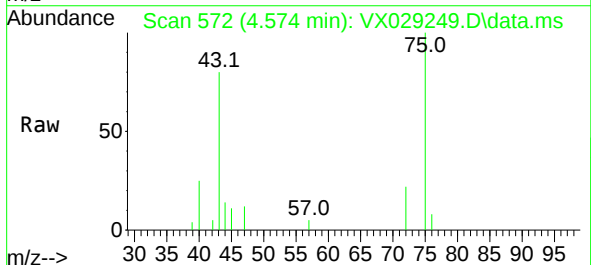
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

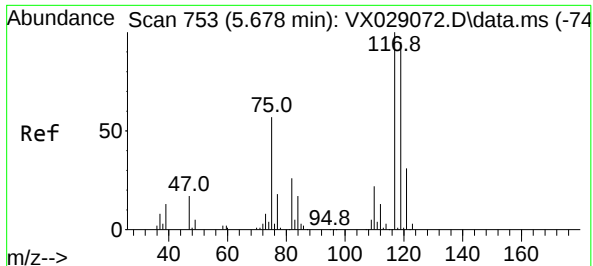
Tgt Ion: 75 Resp: 24225
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.392 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.141 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

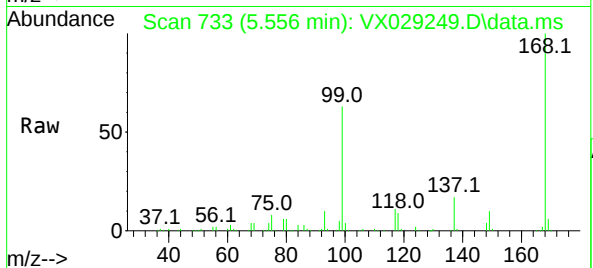
Tgt Ion: 43 Resp: 6643
Ion Ratio Lower Upper
43 100
61 1.3 12.6 19.0#
70 0.0 10.2 15.2#



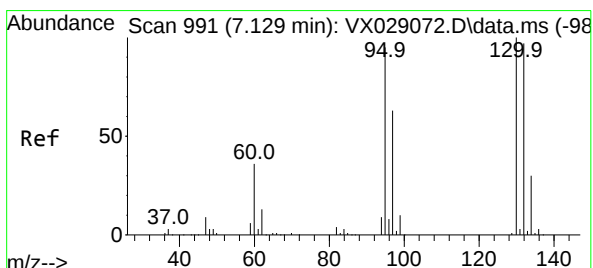
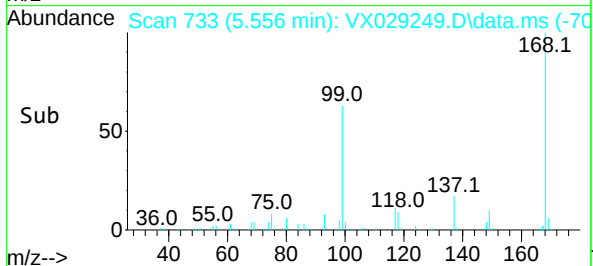
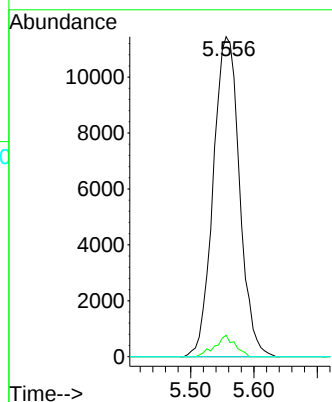


#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Instrument :
MSVOA_X
ClientSampleId :
20220423-SPLP-AMENDED-COMPOSITE-C

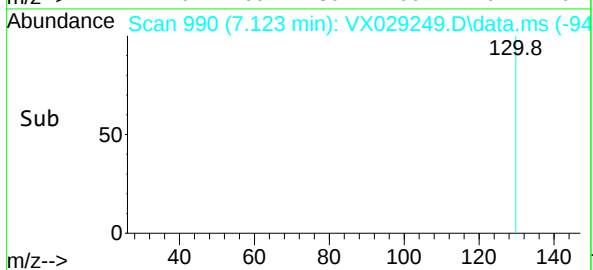
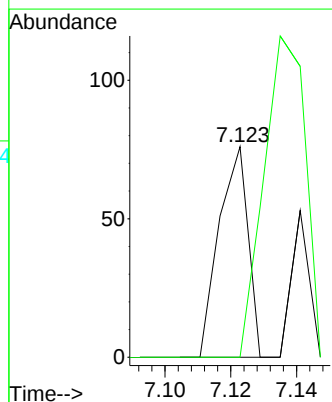
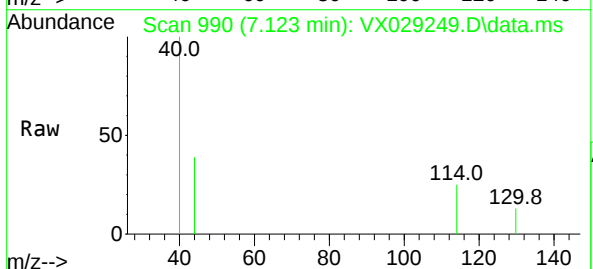


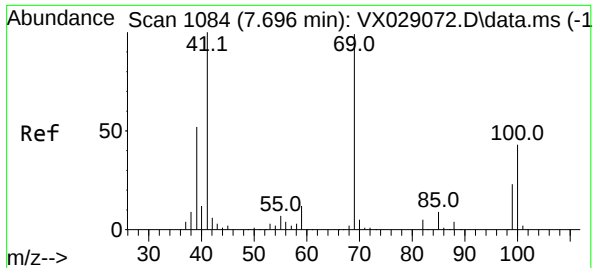
Tgt Ion:117 Resp: 32943
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion:130 Resp: 46
Ion Ratio Lower Upper
130 100
95 0.0 0.0 188.8

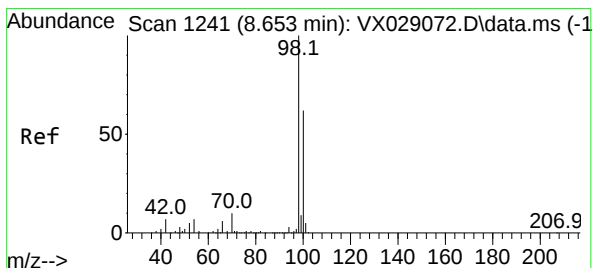
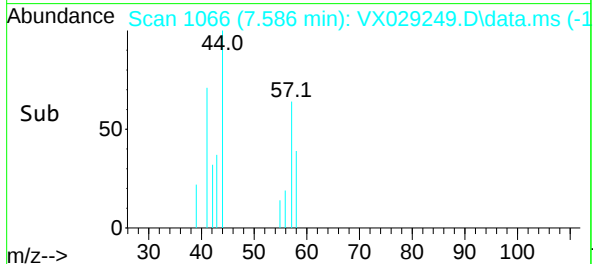
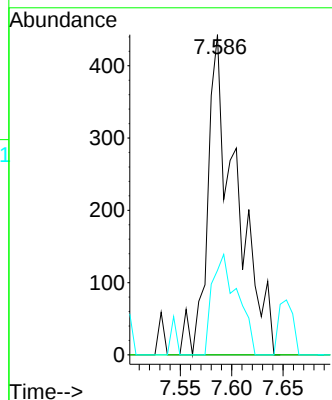
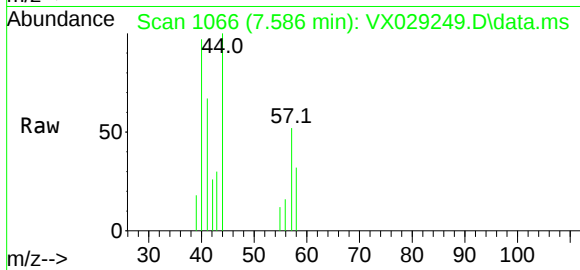




#48
Methyl methacrylate
Concen: 0.239 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.110 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

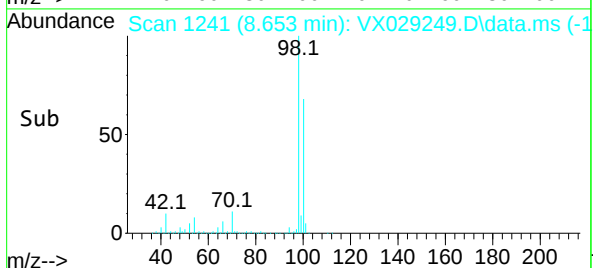
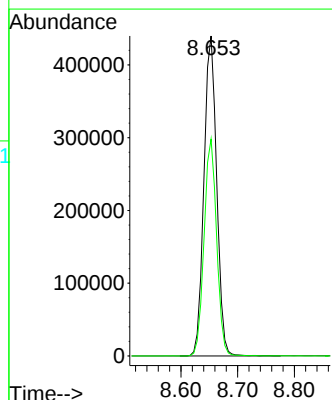
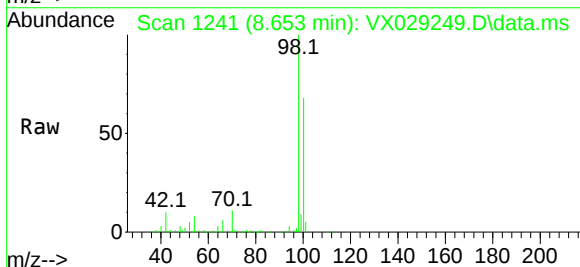
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

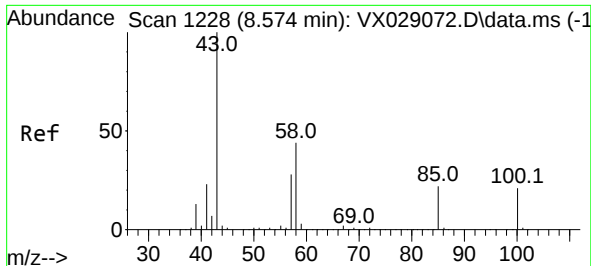
Tgt Ion: 41 Resp: 869
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 27.4 43.8 65.8#



#50
Toluene-d8
Concen: 49.109 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 98 Resp: 687206
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

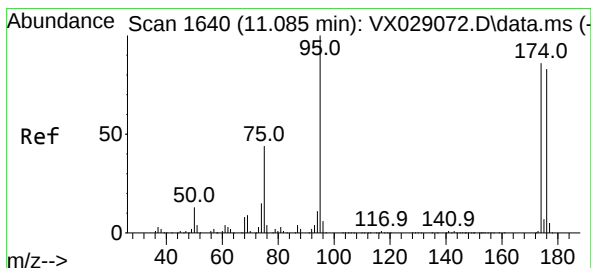
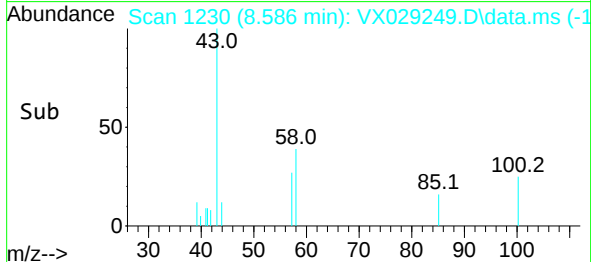
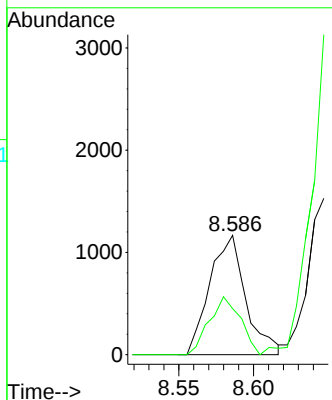
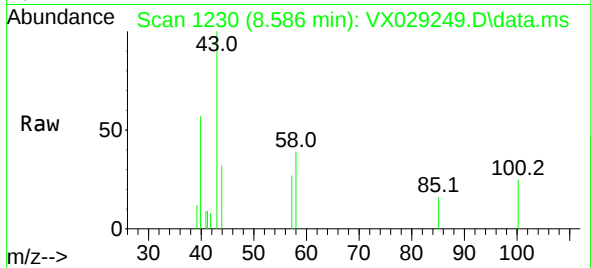




#51
4-Methyl-2-Pentanone
Concen: 0.393 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

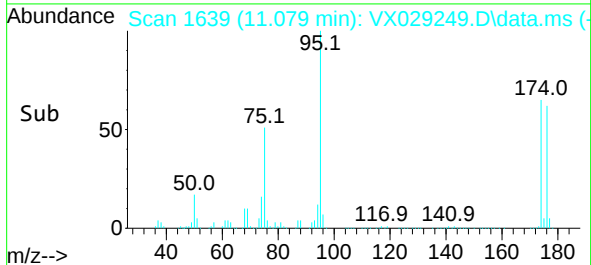
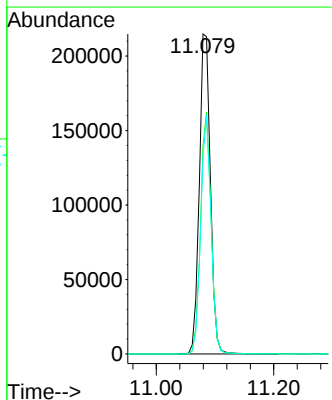
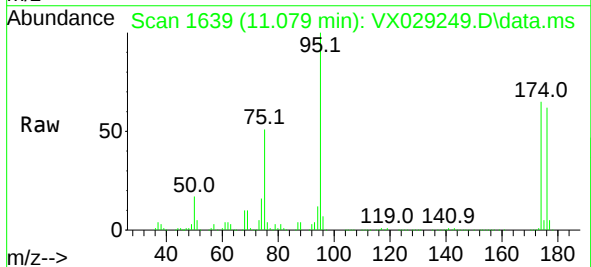
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

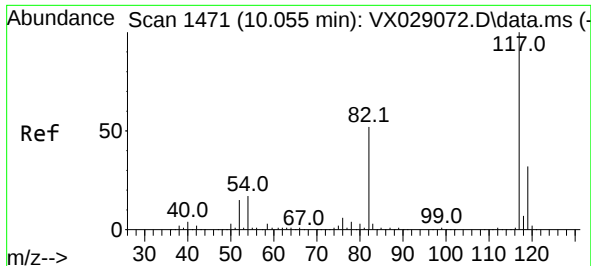
Tgt Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
58 42.1 36.1 54.1



#62
4-Bromofluorobenzene
Concen: 52.121 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 95 Resp: 281934
Ion Ratio Lower Upper
95 100
174 72.0 0.0 163.0
176 69.8 0.0 155.0

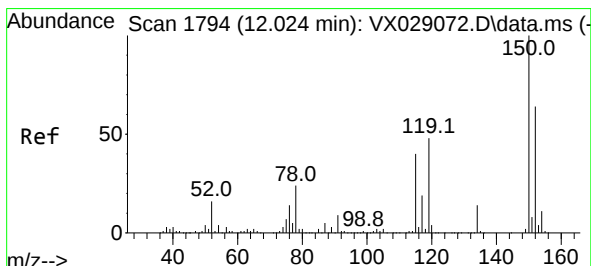
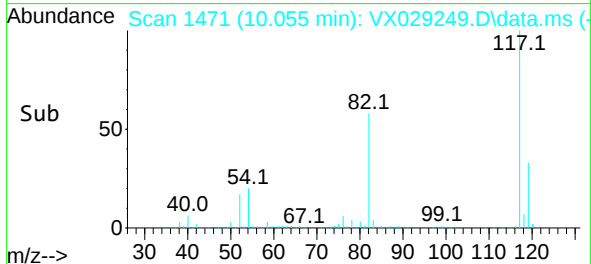
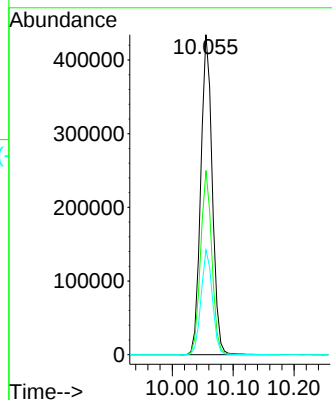
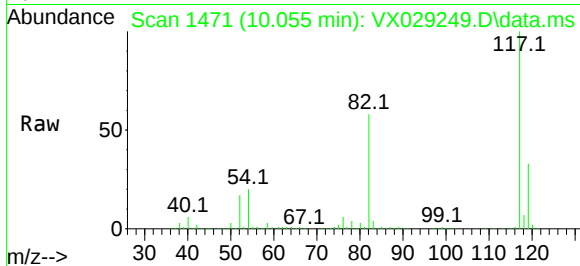




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

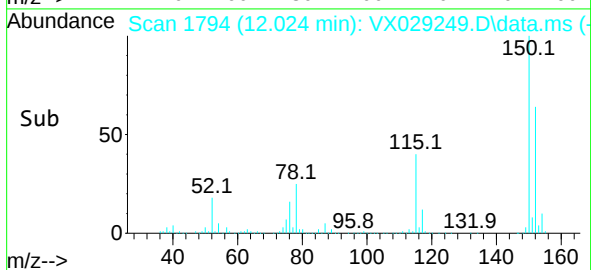
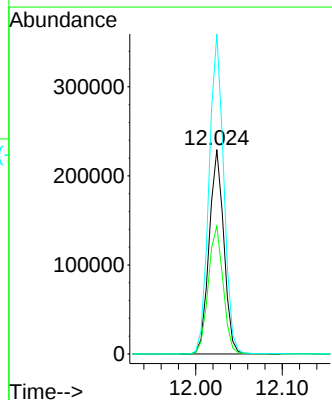
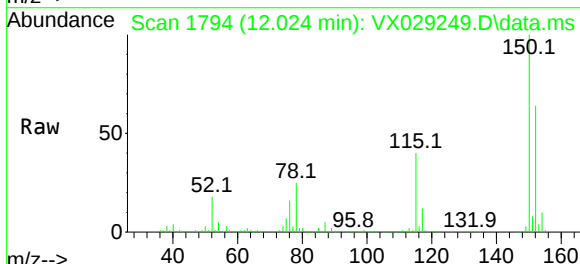
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

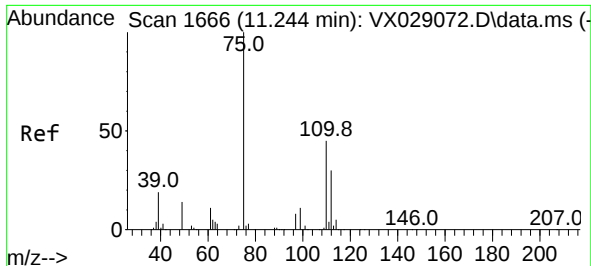
Tgt Ion:117 Resp: 568753
Ion Ratio Lower Upper
117 100
82 57.5 41.8 62.8
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion:152 Resp: 269890
Ion Ratio Lower Upper
152 100
115 63.3 37.5 112.7
150 156.4 0.0 338.2

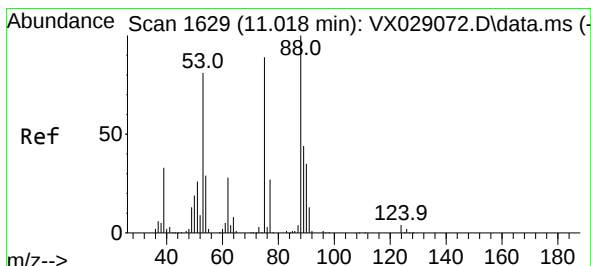
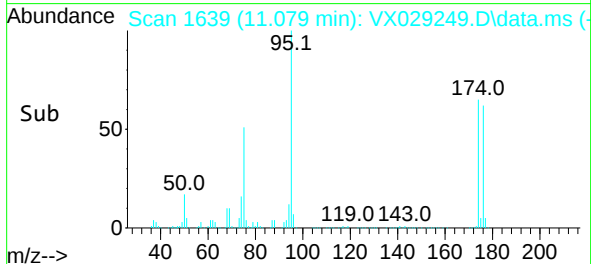
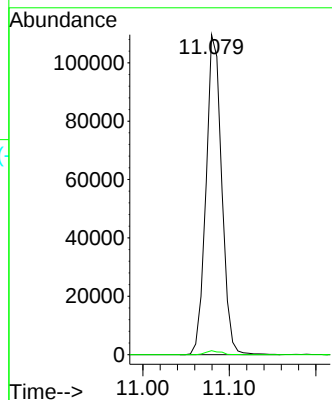
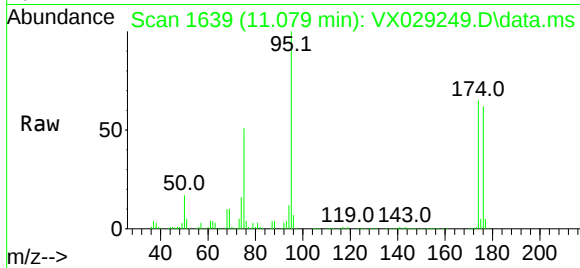




#76
1,2,3-Trichloropropane
Concen: 25.192 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

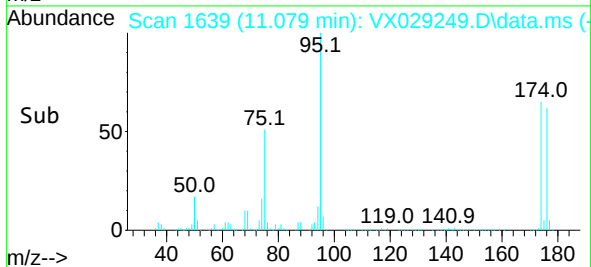
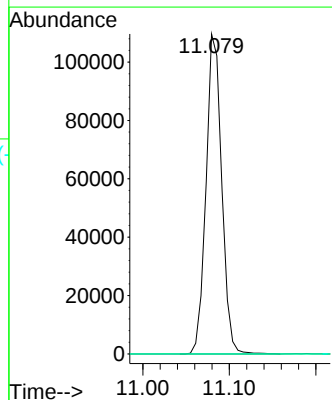
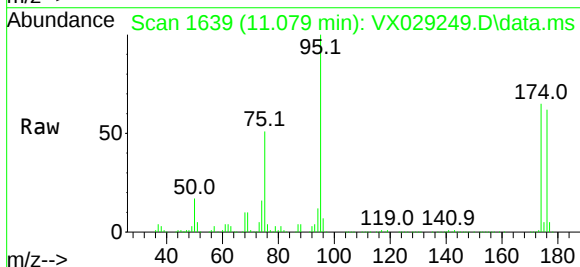
Instrument : MSVOA_X
ClientSampleId : 20220423-SPLP-AMENDED-COMPOSITE-C

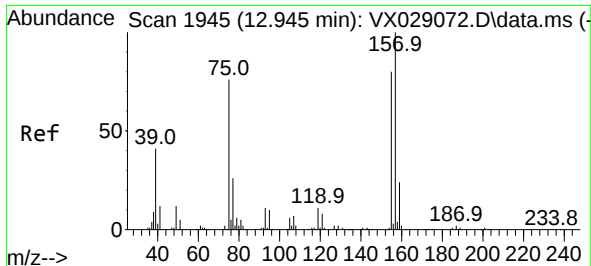
Tgt Ion: 75 Resp: 137827
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.907 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029249.D
Acq: 06 Jun 2022 19:27

Tgt Ion: 75 Resp: 137827
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.692 ug/l

RT: 13.061 min Scan# 1945

Delta R.T. 0.116 min

Lab File: VX029249.D

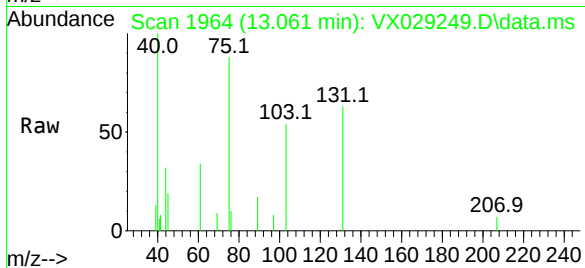
Acq: 06 Jun 2022 19:27

Instrument :

MSVOA_X

ClientSampleId :

20220423-SPLP-AMENDED-COMPOSITE-C



Tgt Ion: 75 Resp: 945

Ion Ratio Lower Upper

75 100

155 0.0 47.0 141.2#

157 0.0 57.9 173.6#

