

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030913.D
 Acq On : 28 Apr 2023 11:37
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

Quant Time: Apr 29 00:38:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 00:37:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	138514	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	133305	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	78568	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	56796	4.977	ug/L	0.00
7) Chloroethane-d5	1.536	69	46895	5.037	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	29752	4.926	ug/L	0.00
20) 2-Butanone-d5	3.841	46	90052	44.589	ug/L	0.00
24) Chloroform-d	4.259	84	113502	5.005	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	57948	5.026	ug/L	0.00
32) Benzene-d6	4.970	84	201980	5.169	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	53936	4.747	ug/L	0.00
41) Toluene-d8	7.249	98	194157	5.218	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	21016	4.934	ug/L	0.00
46) 2-Hexanone-d5	8.037	63	71207	49.252	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	42250	5.130	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	69946	4.776	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	53847	4.921	ug/L	100
3) Chloromethane	1.217	50	60587	4.718	ug/L	100
5) Vinyl chloride	1.285	62	53510	4.979	ug/L	100
6) Bromomethane	1.491	94	24019	4.692	ug/L	100
8) Chloroethane	1.552	64	31729	4.850	ug/L	100
9) Trichlorofluoromethane	1.716	101	98991	4.992	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	49696	4.909	ug/L	100
12) 1,1-Dichloroethene	2.073	96	44358	4.758	ug/L	100
13) Acetone	2.163	43	62464	36.131	ug/L	90
14) Carbon disulfide	2.243	76	119489	4.899	ug/L	100
15) Methyl Acetate	2.397	43	12397	3.532	ug/L	# 79
16) Methylene chloride	2.455	84	44592	4.229	ug/L	100
17) Methyl tert-butyl Ether	2.716	73	83803	4.723	ug/L	100
18) trans-1,2-Dichloroethene	2.700	96	41412	4.864	ug/L	100
19) 1,1-Dichloroethane	3.121	63	80400	4.890	ug/L	100
21) 2-Butanone	3.918	43	79062	41.436	ug/L	94
22) cis-1,2-Dichloroethene	3.822	96	42905	4.776	ug/L	100
23) Bromochloromethane	4.159	128	20267	4.792	ug/L	100
25) Chloroform	4.288	83	88095	4.994	ug/L	100
27) 1,2-Dichloroethane	5.053	62	54636	4.935	ug/L	100
29) 1,1,1-Trichloroethane	4.523	97	83966	5.013	ug/L	100
30) Cyclohexane	4.593	56	61751	4.881	ug/L	100
31) Carbon tetrachloride	4.744	117	75348	5.008	ug/L	100
33) Benzene	5.018	78	171691	5.120	ug/L	100
34) Trichloroethene	5.844	95	44309	4.957	ug/L	100
35) Methylcyclohexane	6.059	83	69026	4.983	ug/L	100
37) 1,2-Dichloropropane	6.101	63	41833	5.260	ug/L	100
38) Bromodichloromethane	6.442	83	58004	4.983	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	56309	4.727	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	215677	52.337	ug/L	100
42) Toluene	7.323	91	190455	5.276	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	51045	5.029	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042823\
 Data File : VV030913.D
 Acq On : 28 Apr 2023 11:37
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

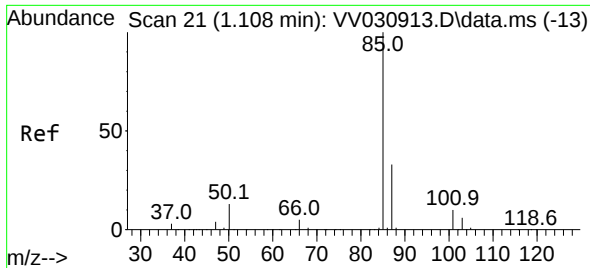
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

Quant Time: Apr 29 00:38:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 00:37:09 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.780	97	30199	5.117	ug/L	100
47) Tetrachloroethene	7.912	164	42857	5.026	ug/L	100
48) 2-Hexanone	8.088	43	165105	55.032	ug/L	100
49) Dibromochloromethane	8.185	129	37286	5.022	ug/L	100
50) 1,2-Dibromoethane	8.291	107	26908	5.112	ug/L	100
51) Chlorobenzene	8.821	112	120941	4.941	ug/L	100
52) Ethylbenzene	8.953	91	199284	5.063	ug/L	100
53) m,p-Xylene	9.082	106	79981	5.092	ug/L	100
54) o-Xylene	9.484	106	73627	4.926	ug/L	100
55) Styrene	9.503	104	130119	5.159	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	33202	5.033	ug/L	100
59) Bromoform	9.674	173	22307	4.823	ug/L	100
60) Isopropylbenzene	9.876	105	203939	4.814	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	23467	4.755	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	163418	4.739	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	165194	4.728	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	106472	4.894	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	107207	4.885	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	93116	4.760	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	5536	4.418	ug/L	100
69) 1,3,5-Trichlorobenzene	12.590	180	83143	4.827	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	62768	4.742	ug/L	100
71) Naphthalene	13.448	128	79968	4.213	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	51429	4.590	ug/L	100

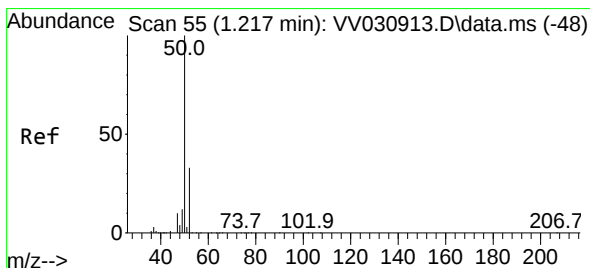
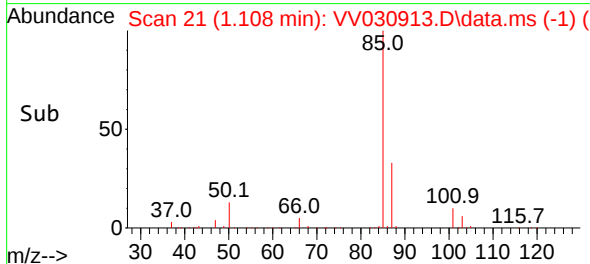
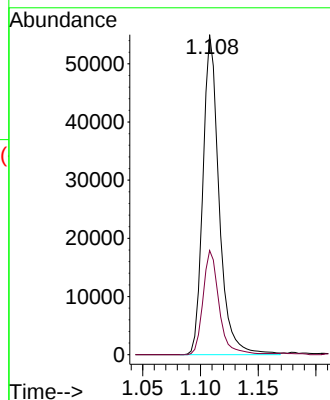
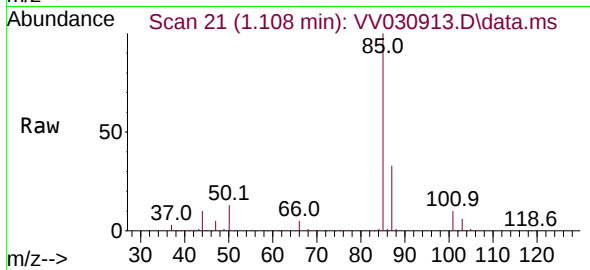
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.921 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

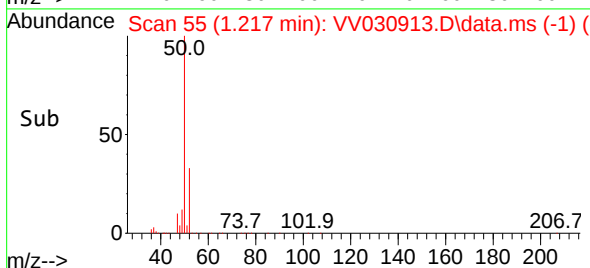
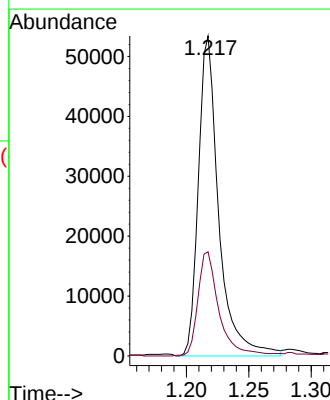
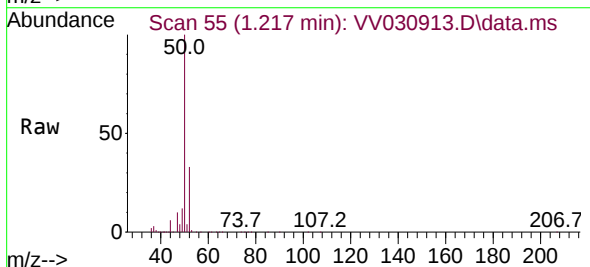
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

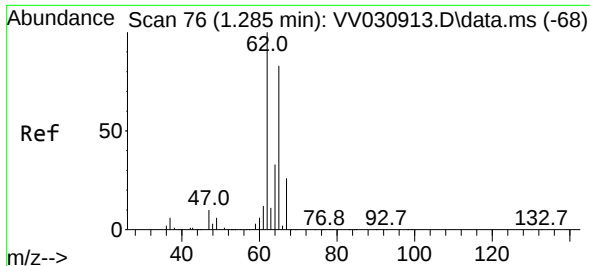
Tgt Ion: 85 Resp: 53847
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.6



#3
 Chloromethane
 Concen: 4.718 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

Tgt Ion: 50 Resp: 60587
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.8 42.4

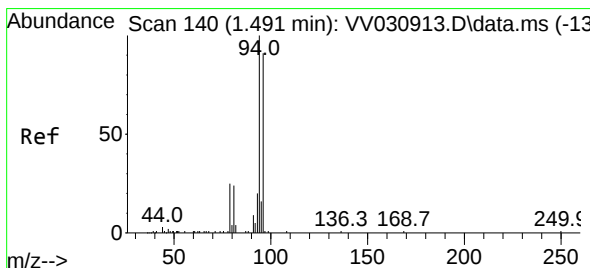
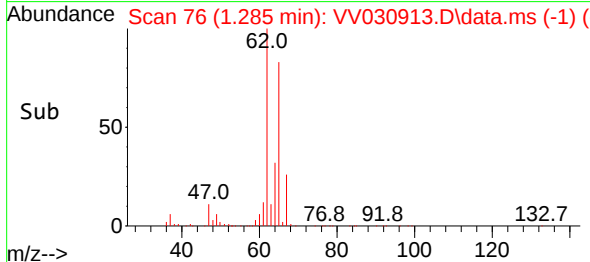
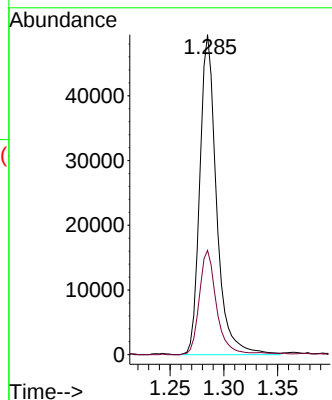
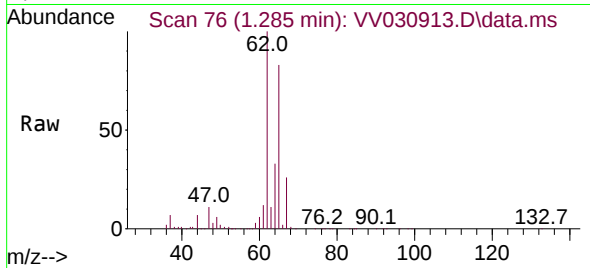




#5
 Vinyl chloride
 Concen: 4.979 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

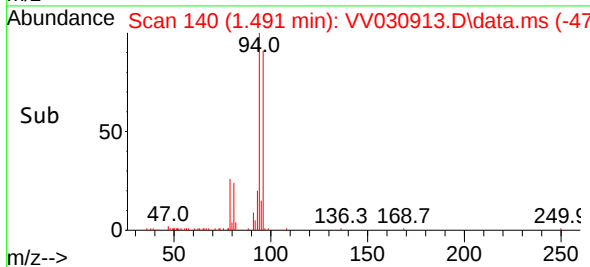
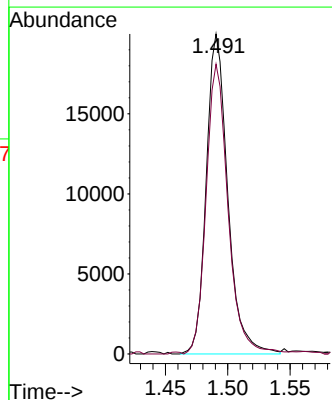
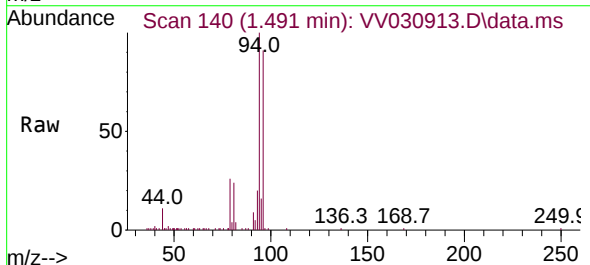
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

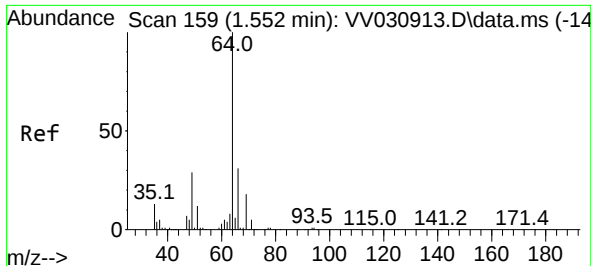
Tgt Ion: 62 Resp: 53510
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.8 42.4



#6
 Bromomethane
 Concen: 4.692 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

Tgt Ion: 94 Resp: 24019
 Ion Ratio Lower Upper
 94 100
 96 90.6 63.4 117.8

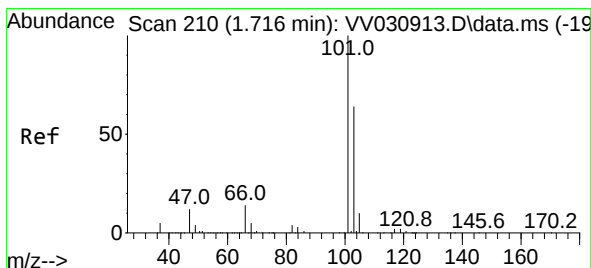
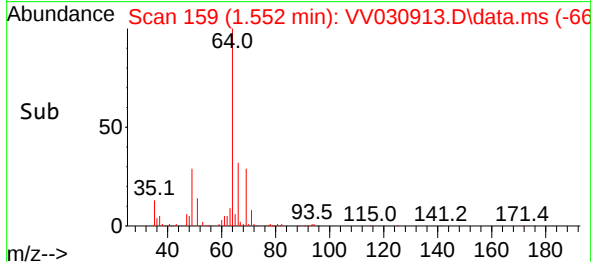
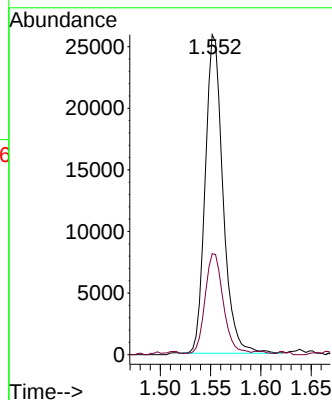
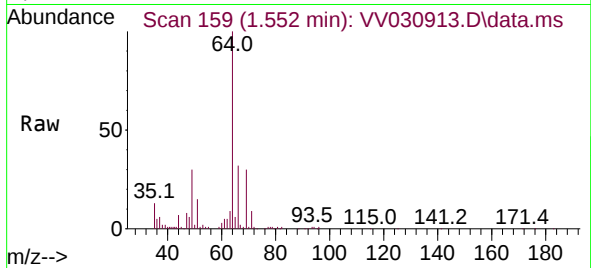




#8
Chloroethane
Concen: 4.850 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

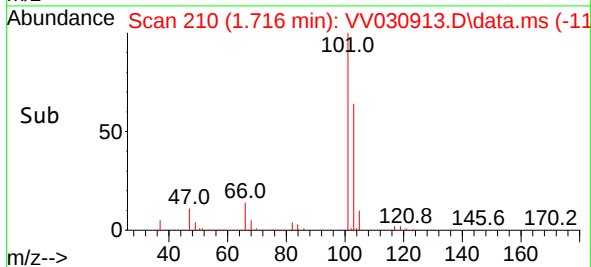
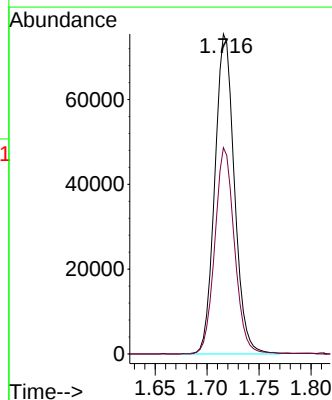
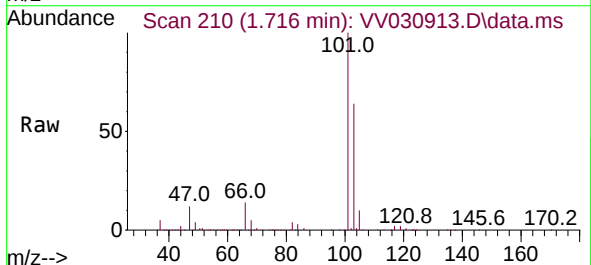
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

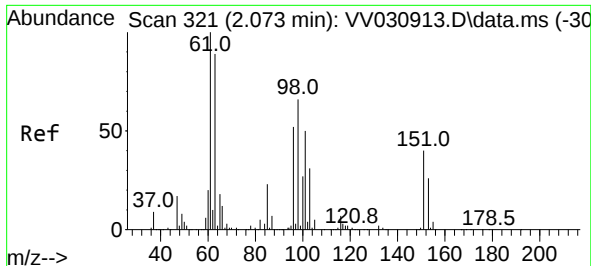
Tgt Ion: 64 Resp: 31729
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.992 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion:101 Resp: 98991
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

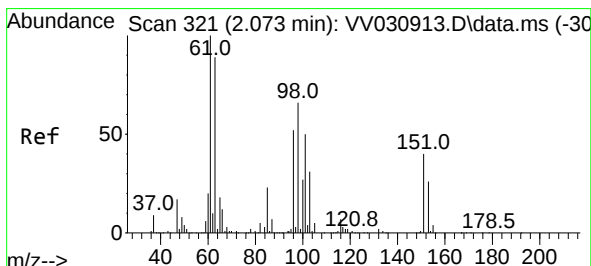
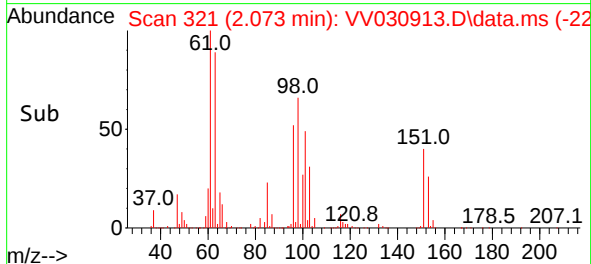
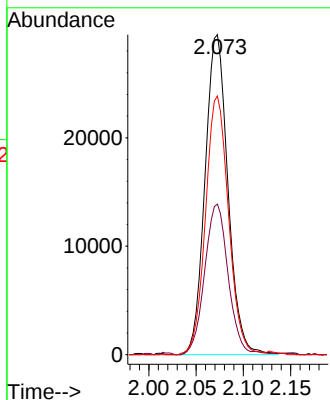
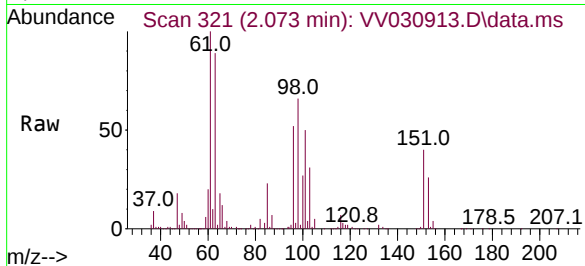




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.909 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

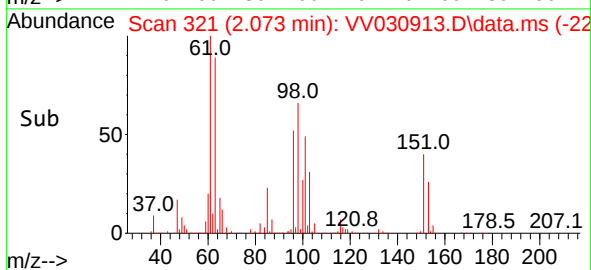
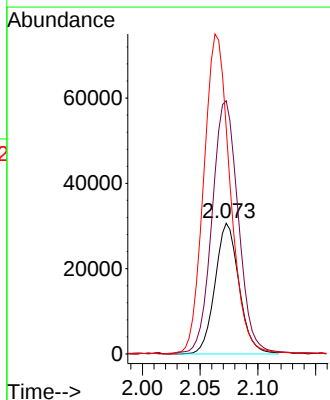
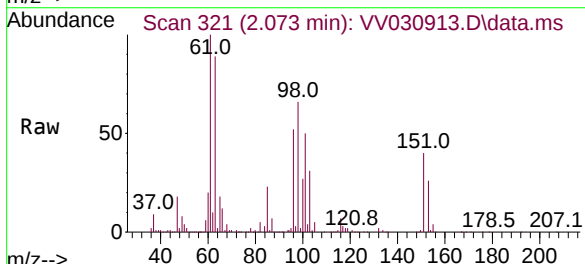
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

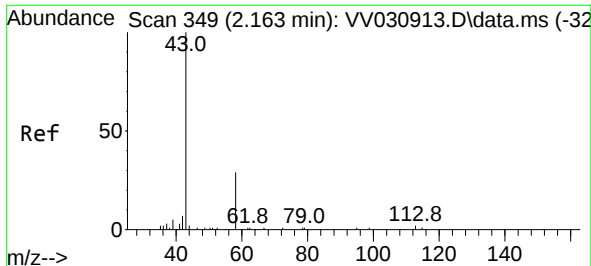
Tgt Ion:101 Resp: 49696
 Ion Ratio Lower Upper
 101 100
 85 48.4 38.7 58.1
 151 81.4 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 4.758 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

Tgt Ion: 96 Resp: 44358
 Ion Ratio Lower Upper
 96 100
 61 193.7 135.6 251.8
 63 173.0 121.1 224.9





#13

Acetone

Concen: 36.131 ug/L

RT: 2.163 min Scan# 349

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

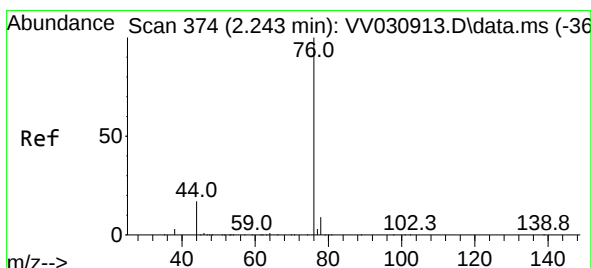
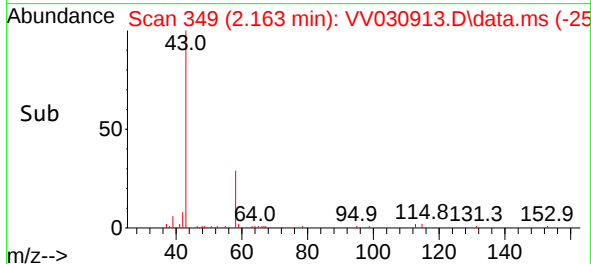
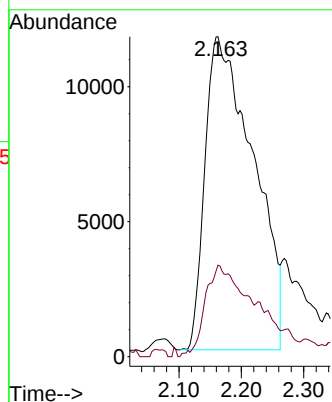
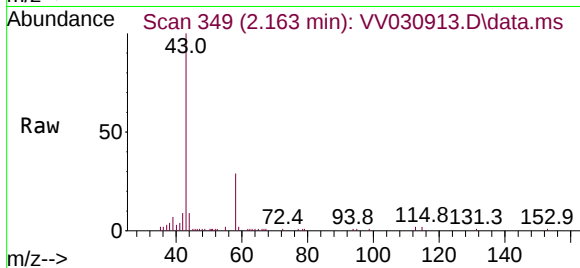
VSTD005235

Tgt Ion: 43 Resp: 62464

Ion Ratio Lower Upper

43 100

58 22.8 0.0 37.0



#14

Carbon disulfide

Concen: 4.899 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV030913.D

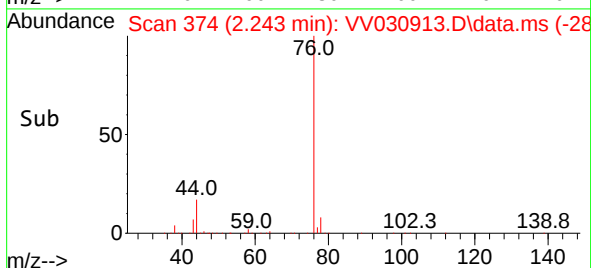
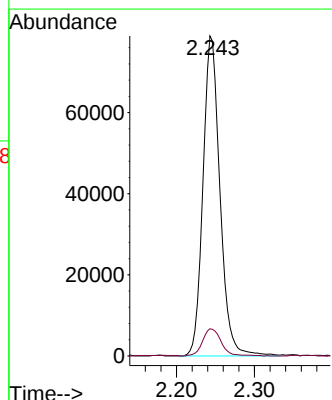
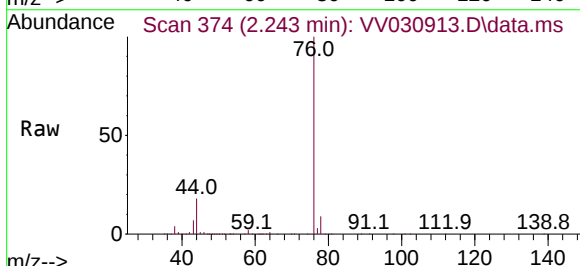
Acq: 28 Apr 2023 11:37

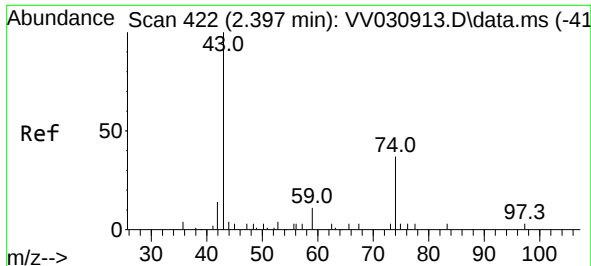
Tgt Ion: 76 Resp: 119489

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

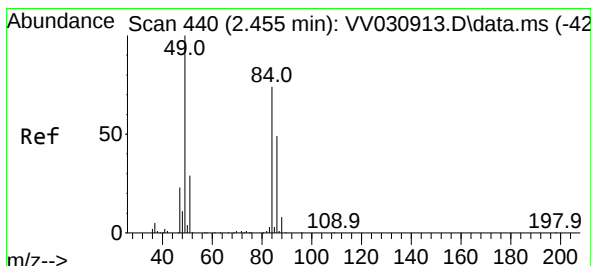
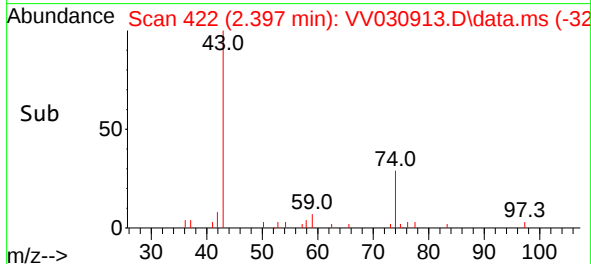
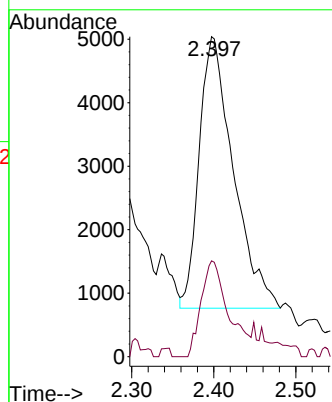
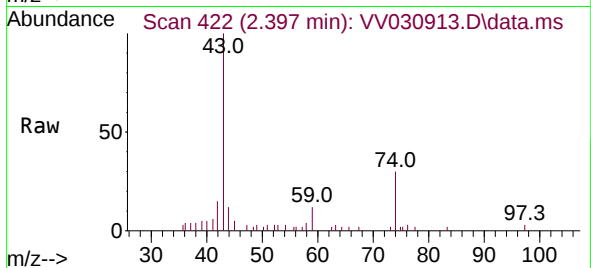




#15
Methyl Acetate
Concen: 3.532 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

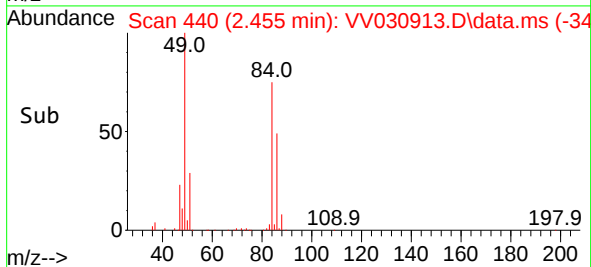
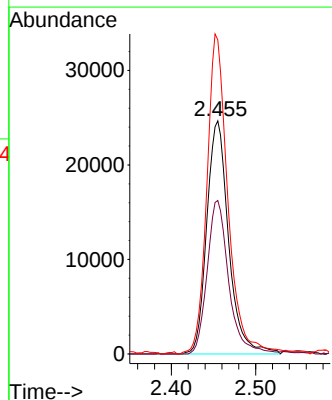
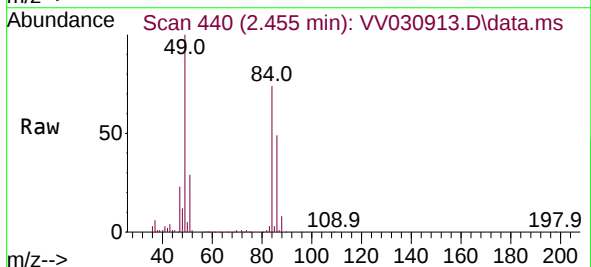
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

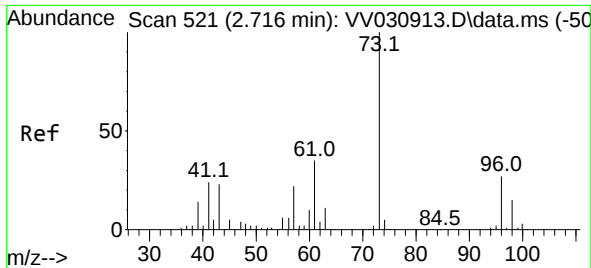
Tgt Ion: 43 Resp: 12397
Ion Ratio Lower Upper
43 100
74 28.4 15.0 22.6#



#16
Methylene chloride
Concen: 4.229 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 84 Resp: 44592
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 134.7 94.3 175.1

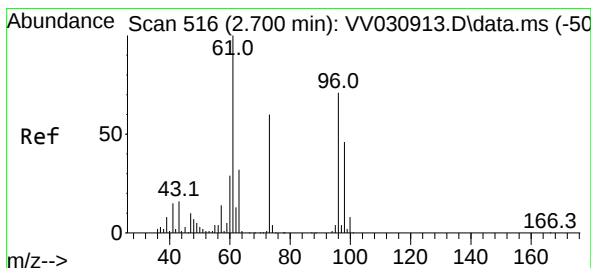
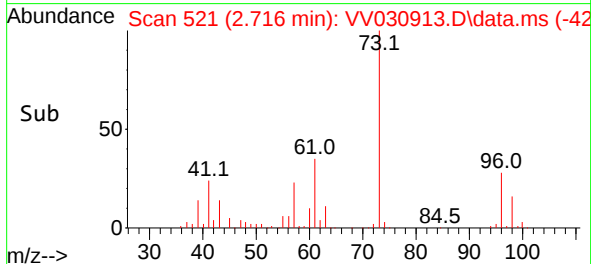
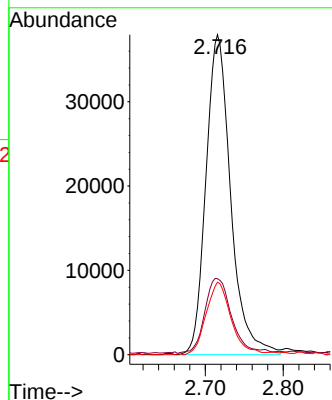
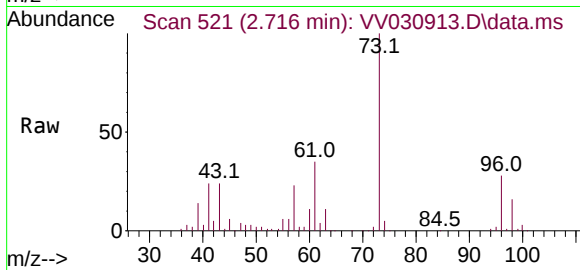




#17
Methyl tert-butyl Ether
Concen: 4.723 ug/L
RT: 2.716 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

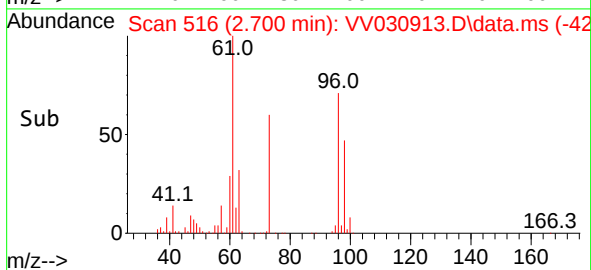
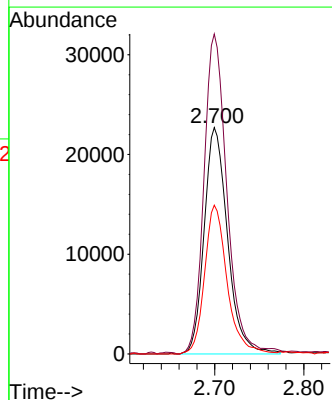
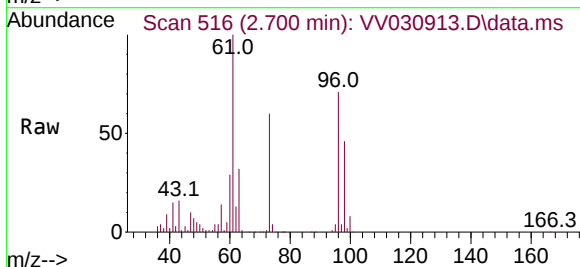
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

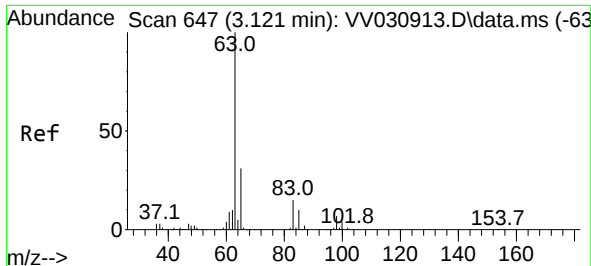
Tgt Ion: 73	Resp: 83803
Ion Ratio	Lower Upper
73 100	
43 24.9	19.9 29.9
57 22.8	18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.864 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 96	Resp: 41412
Ion Ratio	Lower Upper
96 100	
61 141.3	98.9 183.7
98 65.7	46.0 85.4

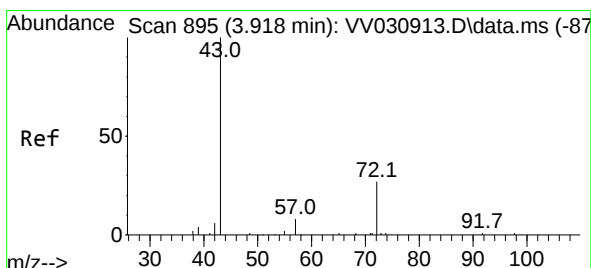
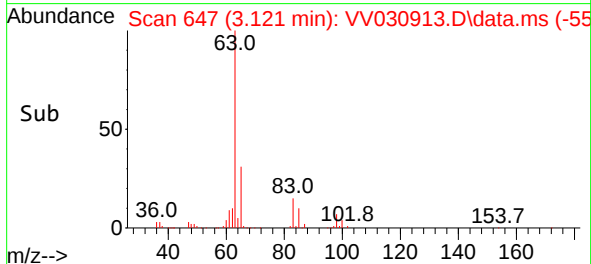
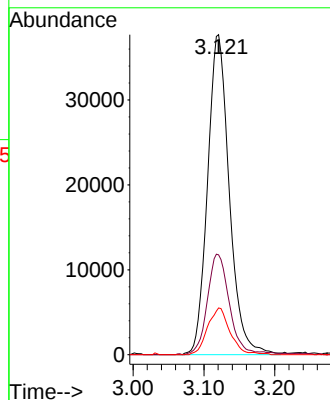
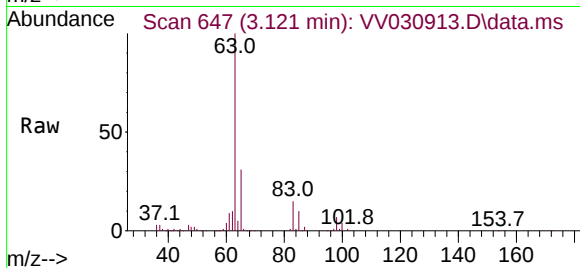




#19
1,1-Dichloroethane
Concen: 4.890 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

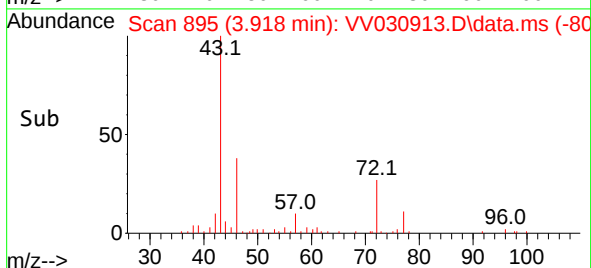
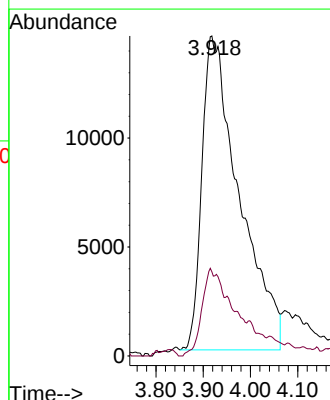
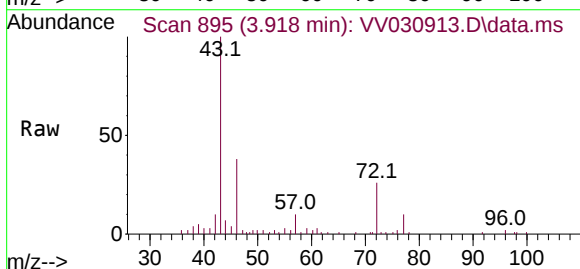
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

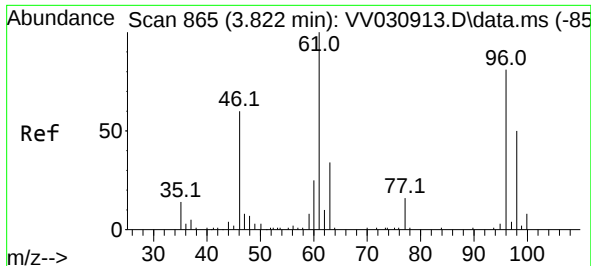
Tgt Ion: 63 Resp: 80400
Ion Ratio Lower Upper
63 100
65 31.2 21.8 40.6
83 14.6 10.2 19.0



#21
2-Butanone
Concen: 41.436 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 43 Resp: 79062
Ion Ratio Lower Upper
43 100
72 21.9 9.6 28.6



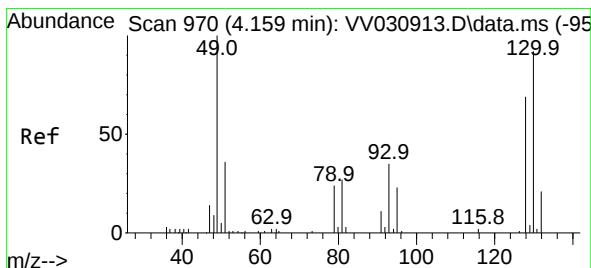
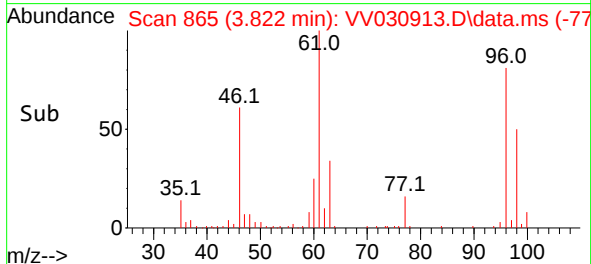
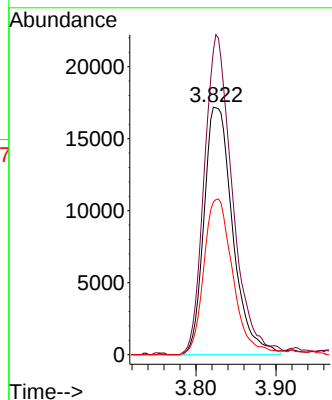
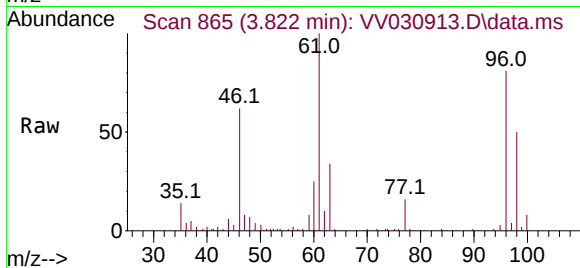


#22
 cis-1,2-Dichloroethene
 Concen: 4.776 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

Tgt Ion: 96 Resp: 42905

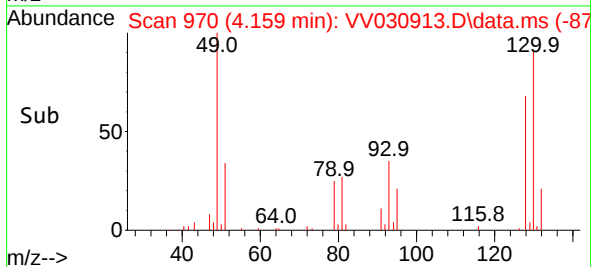
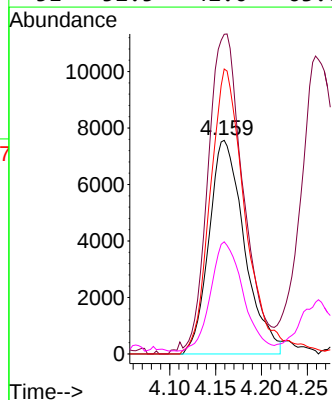
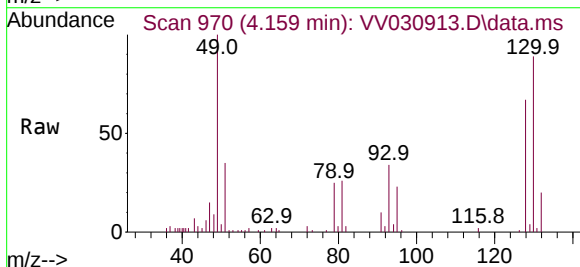
Ion	Ratio	Lower	Upper
96	100		
61	122.8	86.0	159.6
98	61.7	43.2	80.2

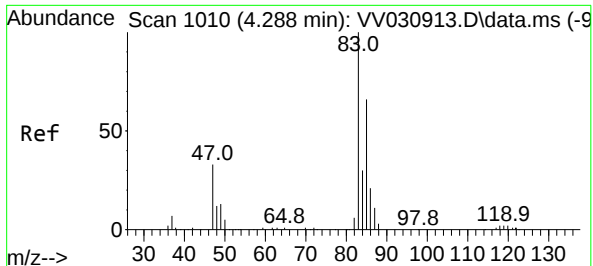


#23
 Bromochloromethane
 Concen: 4.792 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

Tgt Ion: 128 Resp: 20267

Ion	Ratio	Lower	Upper
128	100		
49	149.6	104.7	194.5
130	133.4	93.4	173.4
51	52.5	42.0	63.0





#25

Chloroform

Concen: 4.994 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

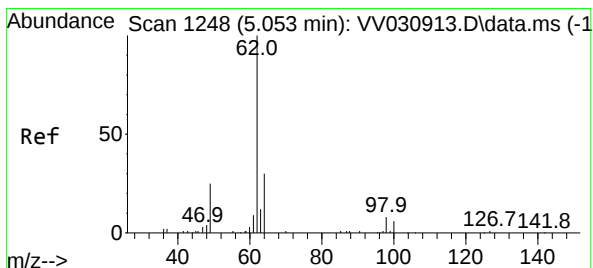
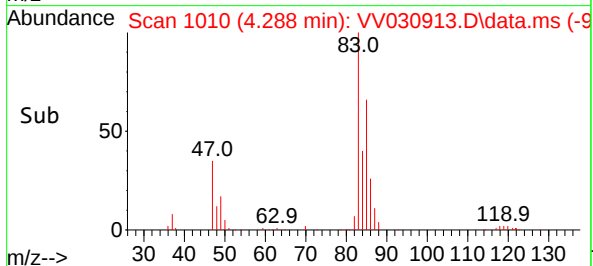
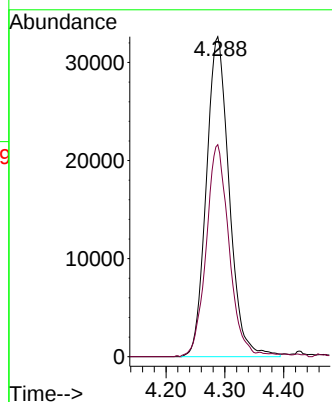
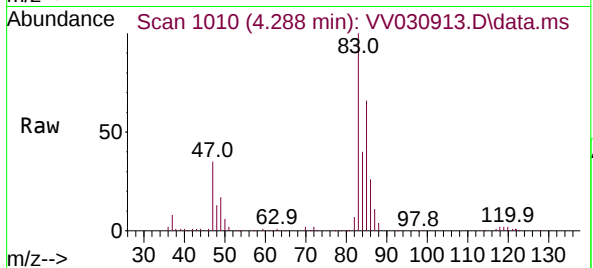
VSTD005235

Tgt Ion: 83 Resp: 88095

Ion Ratio Lower Upper

83 100

85 66.3 46.4 86.2



#27

1,2-Dichloroethane

Concen: 4.935 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VV030913.D

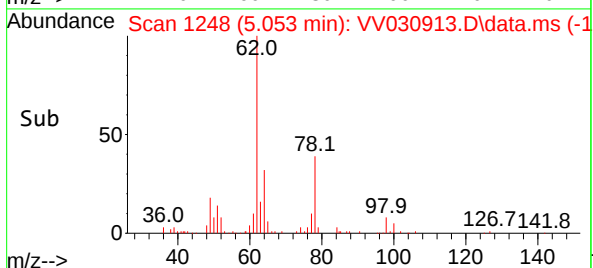
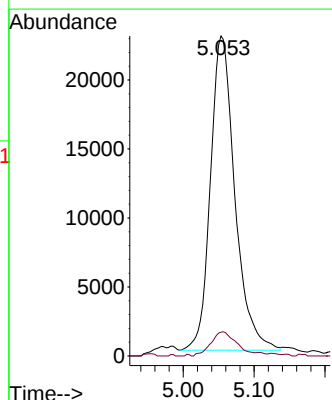
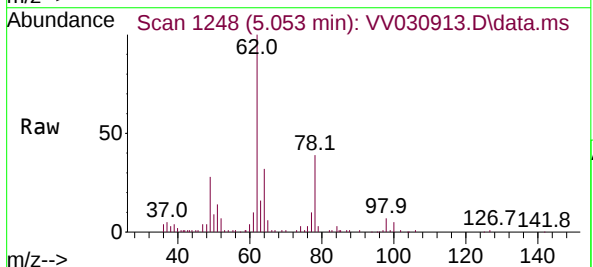
Acq: 28 Apr 2023 11:37

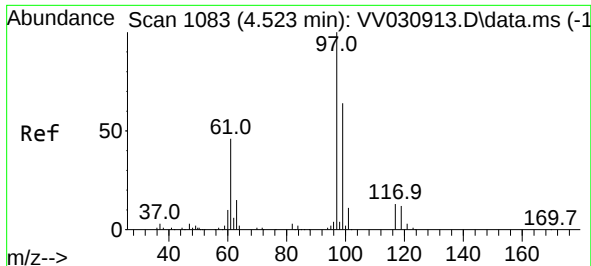
Tgt Ion: 62 Resp: 54636

Ion Ratio Lower Upper

62 100

98 7.5 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 5.013 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005235

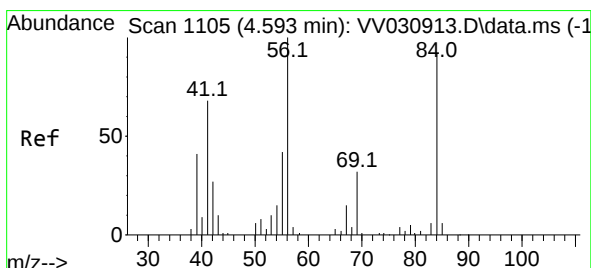
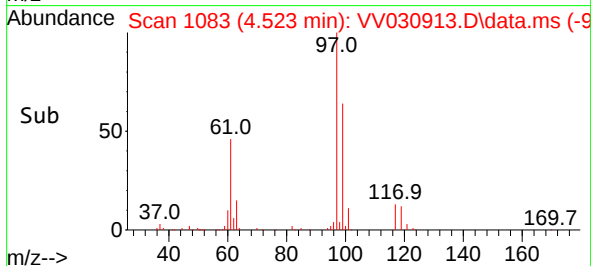
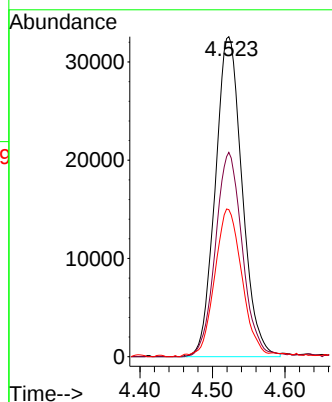
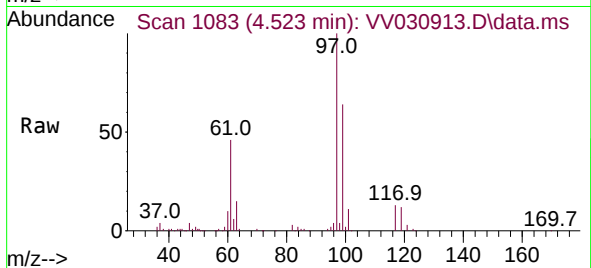
Tgt Ion: 97 Resp: 83966

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 46.7 37.4 56.0



#30

Cyclohexane

Concen: 4.881 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

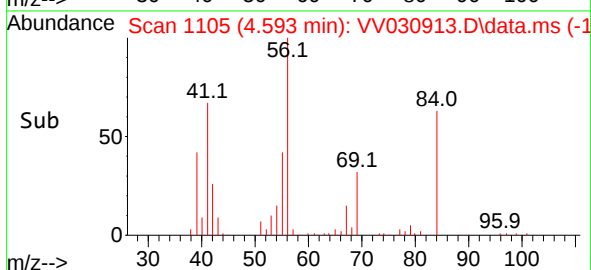
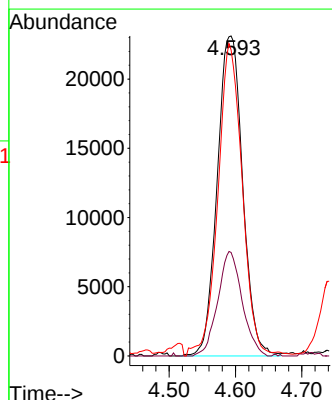
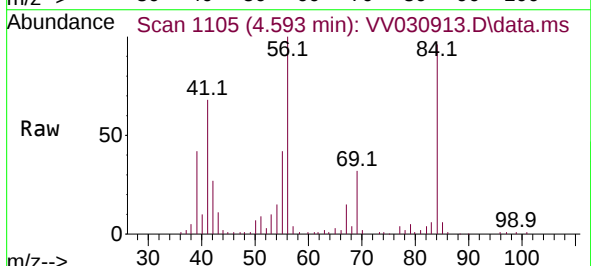
Tgt Ion: 56 Resp: 61751

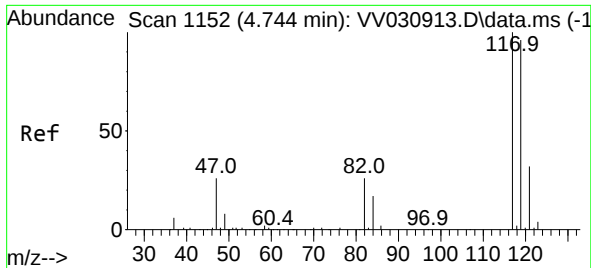
Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 92.7 74.2 111.2

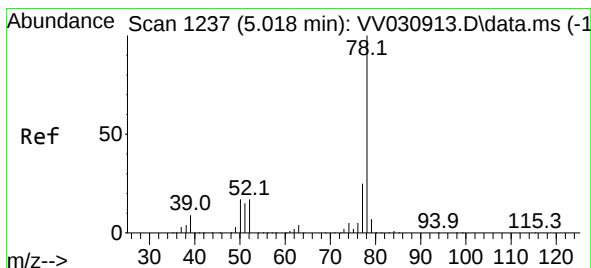
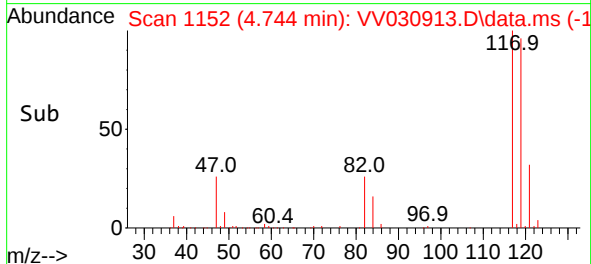
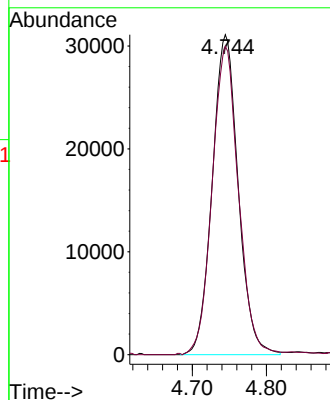
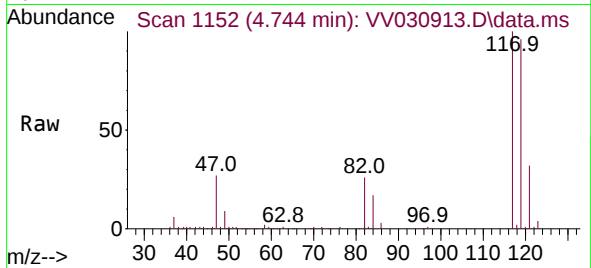




#31
Carbon tetrachloride
Concen: 5.008 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

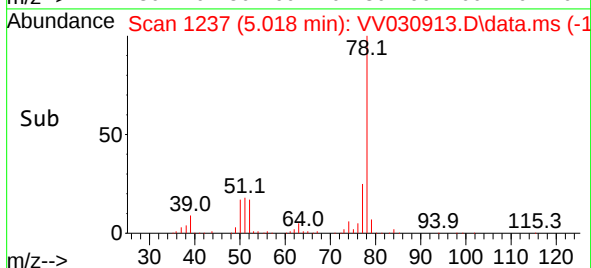
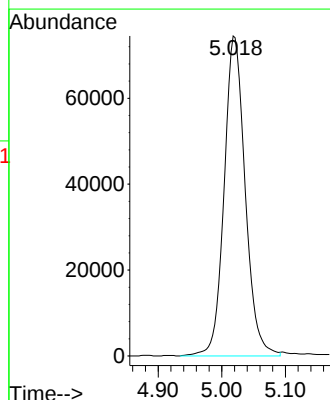
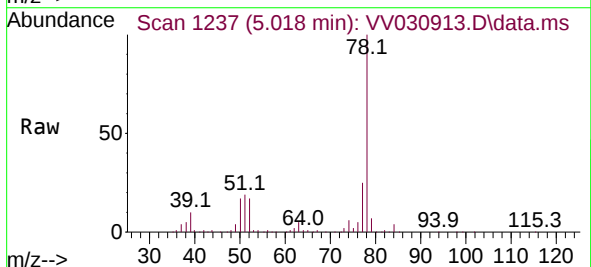
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

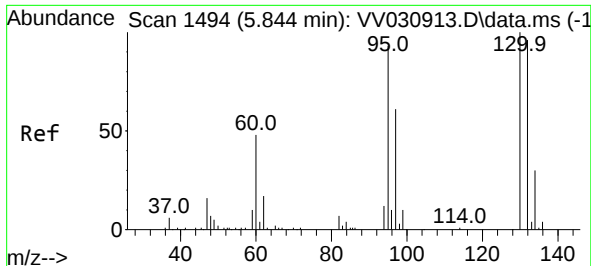
Tgt Ion:117 Resp: 75348
Ion Ratio Lower Upper
117 100
119 98.0 78.4 117.6



#33
Benzene
Concen: 5.120 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 78 Resp: 171691



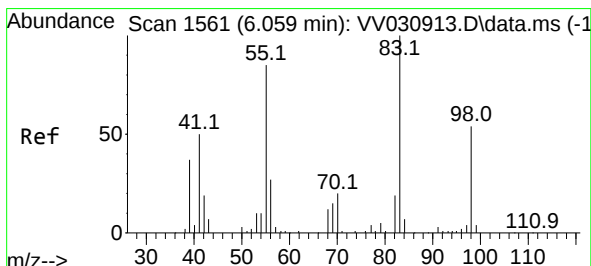
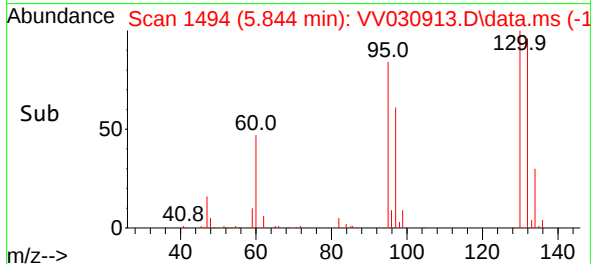
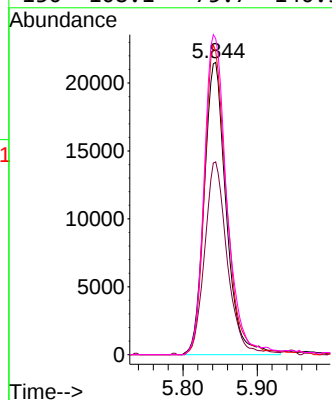
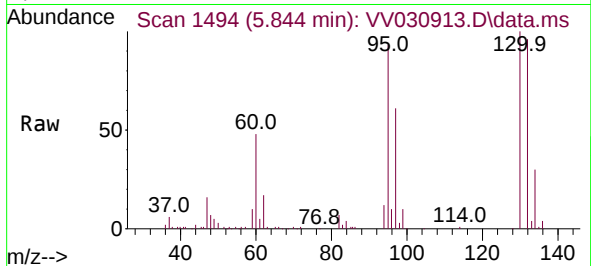


#34
Trichloroethene
Concen: 4.957 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

Tgt Ion: 95 Resp: 44309

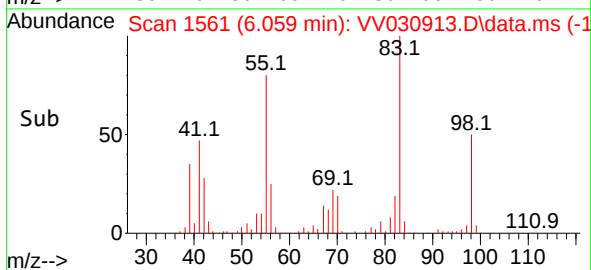
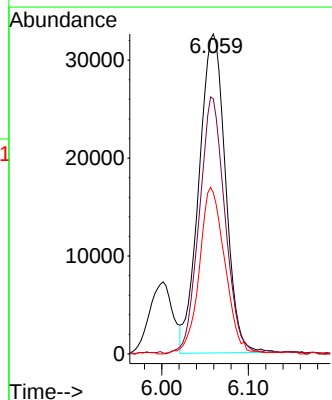
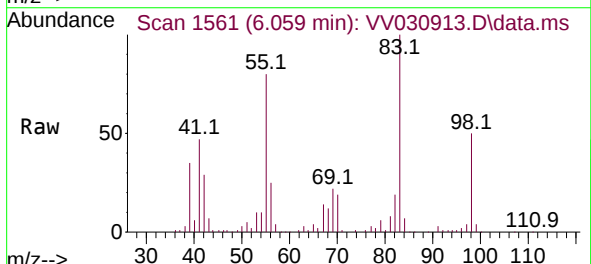
Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.2	85.8
132	103.9	72.7	135.1
130	108.1	75.7	140.5

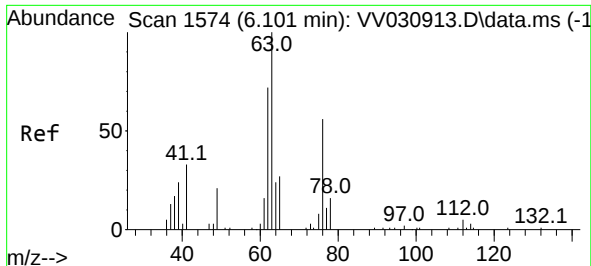


#35
Methylcyclohexane
Concen: 4.983 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 83 Resp: 69026

Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.9	94.3
98	50.6	40.5	60.7

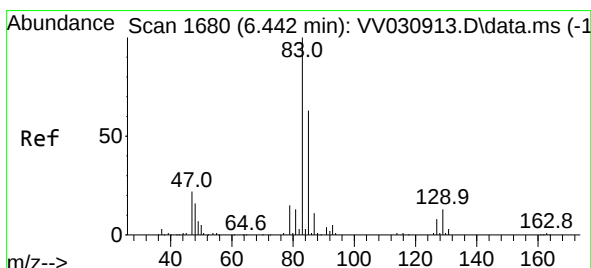
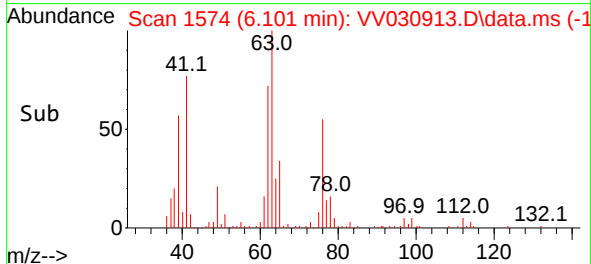
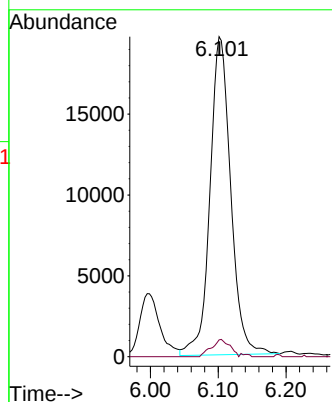
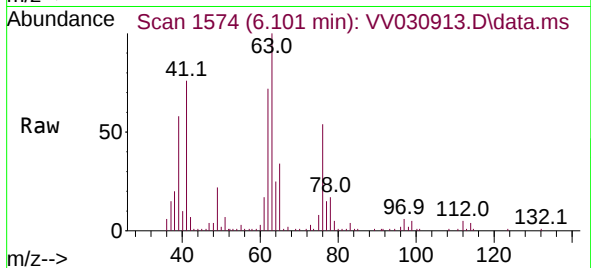




#37
1,2-Dichloropropane
Concen: 5.260 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

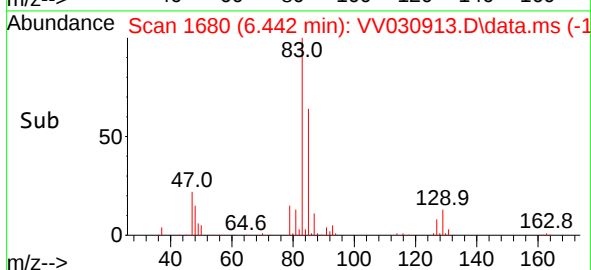
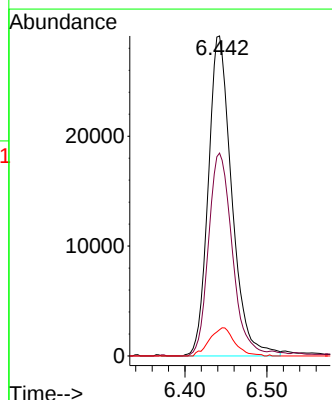
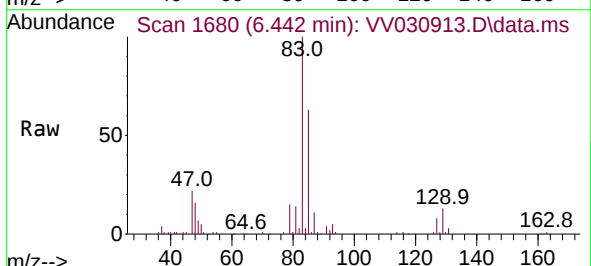
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

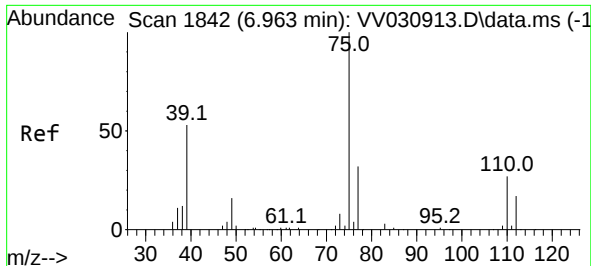
Tgt Ion: 63 Resp: 41833
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.8



#38
Bromodichloromethane
Concen: 4.983 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 83 Resp: 58004
Ion Ratio Lower Upper
83 100
85 63.4 44.4 82.4
127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.727 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

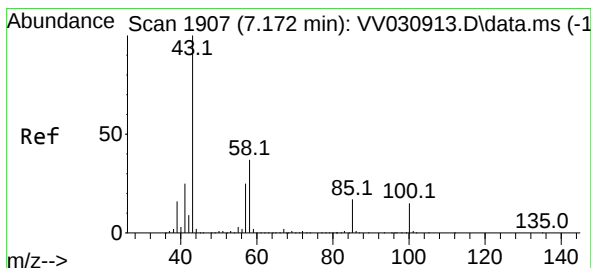
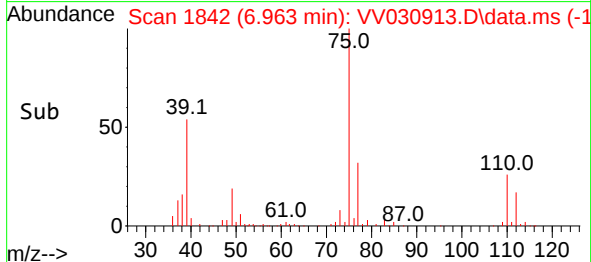
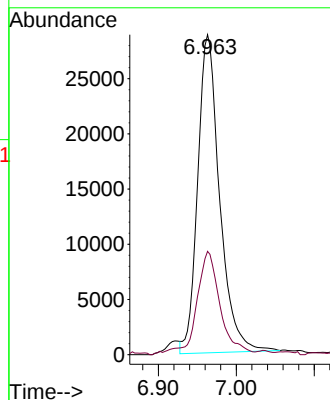
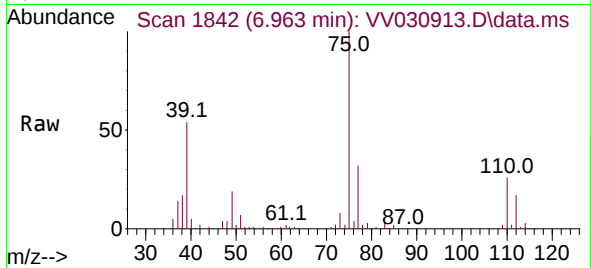
VSTD005235

Tgt Ion: 75 Resp: 56309

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 52.337 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

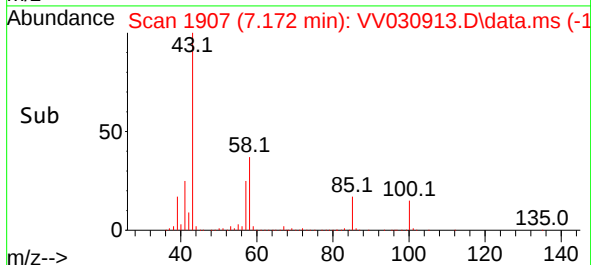
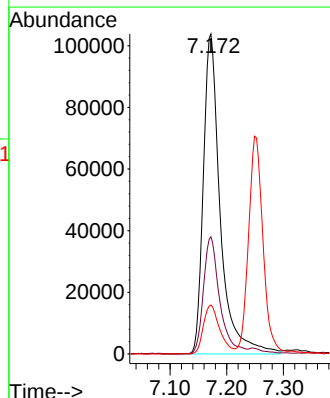
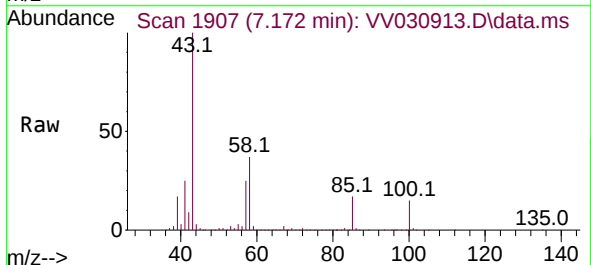
Tgt Ion: 43 Resp: 215677

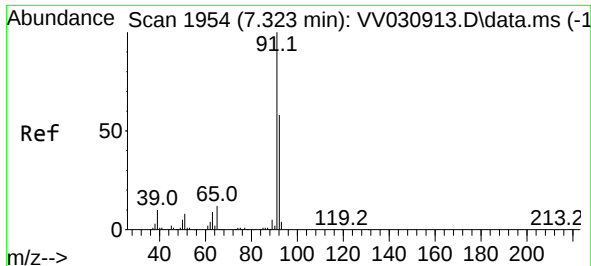
Ion Ratio Lower Upper

43 100

58 35.4 28.3 42.5

100 14.8 11.8 17.8





#42

Toluene

Concen: 5.276 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

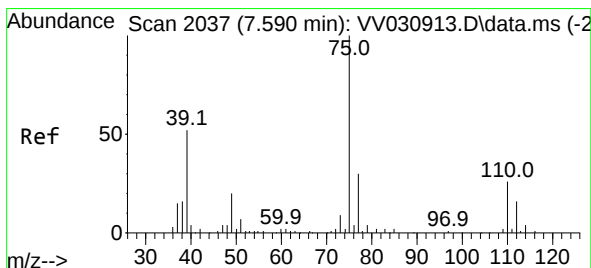
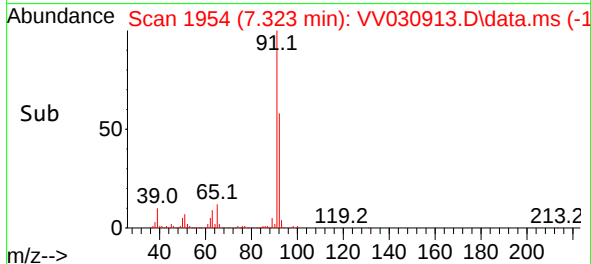
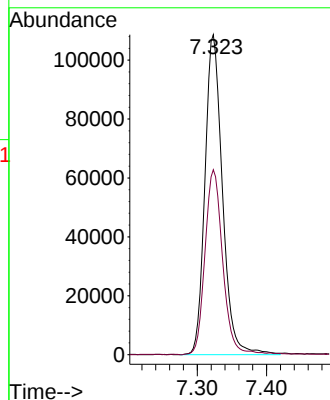
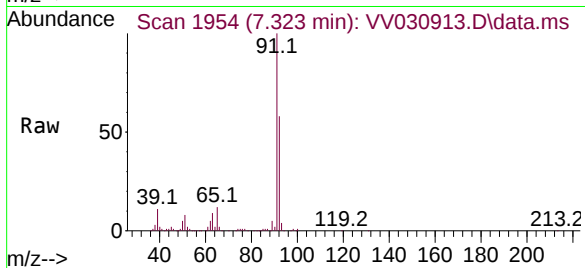
VSTD005235

Tgt Ion: 91 Resp: 190455

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.029 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030913.D

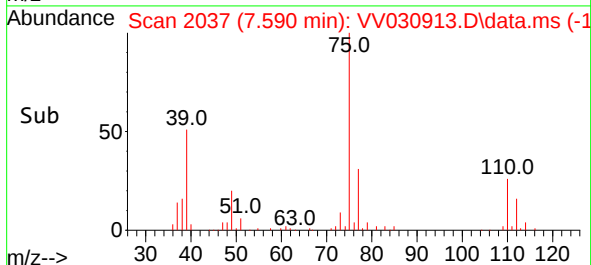
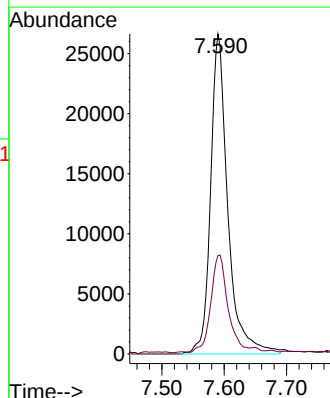
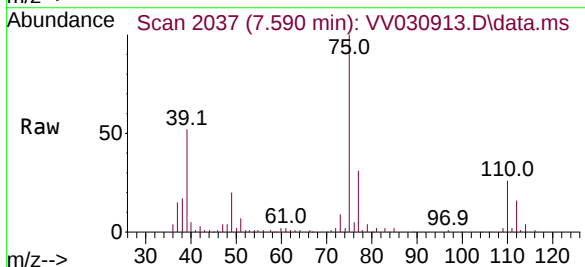
Acq: 28 Apr 2023 11:37

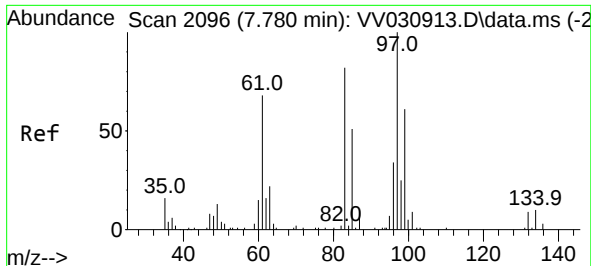
Tgt Ion: 75 Resp: 51045

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.117 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005235

Tgt Ion: 97 Resp: 30199

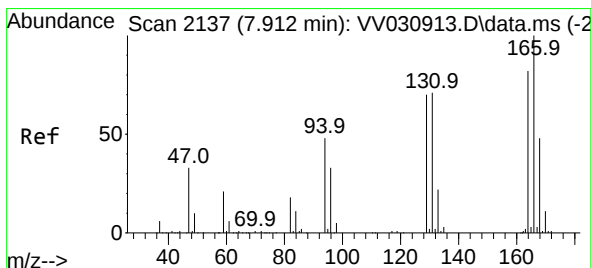
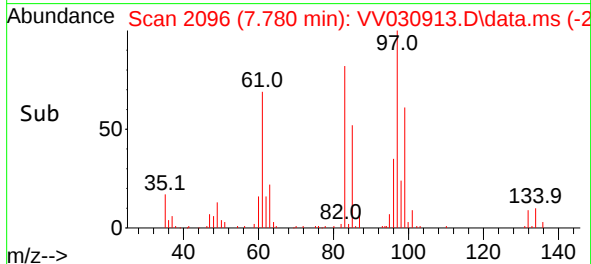
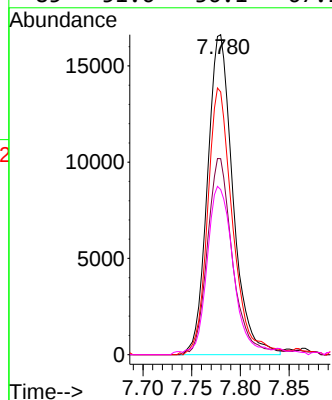
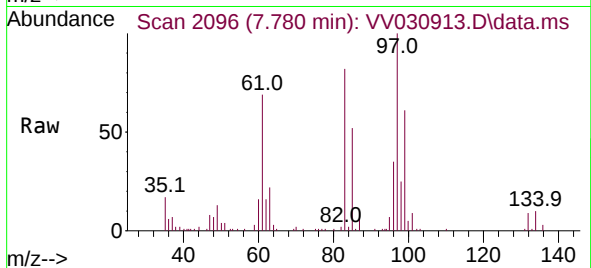
Ion Ratio Lower Upper

97 100

99 61.2 42.8 79.6

83 82.1 57.5 106.7

85 51.6 36.1 67.1



#47

Tetrachloroethene

Concen: 5.026 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Tgt Ion:164 Resp: 42857

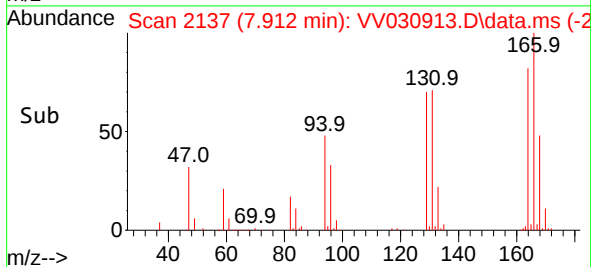
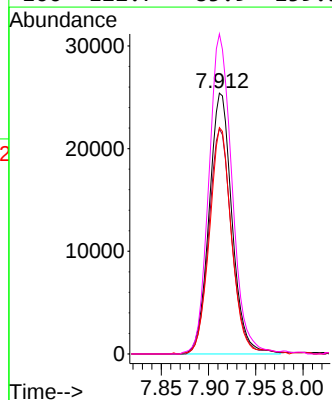
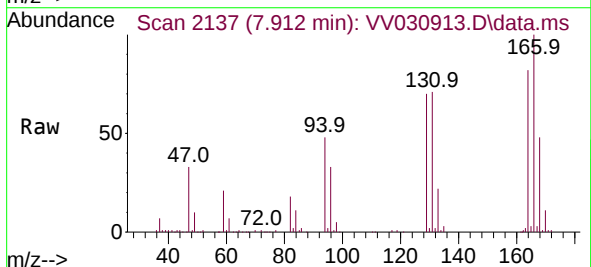
Ion Ratio Lower Upper

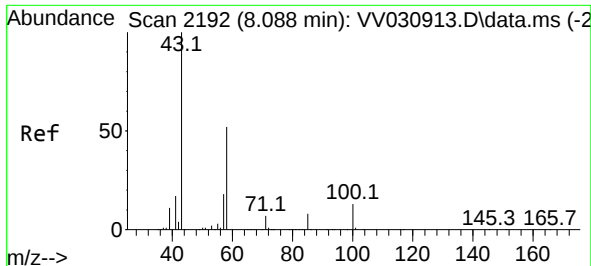
164 100

129 86.4 60.5 112.3

131 86.8 60.8 112.8

166 122.7 85.9 159.5

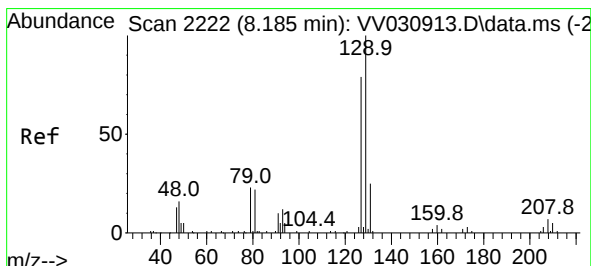
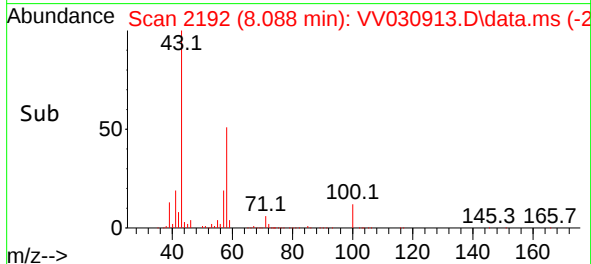
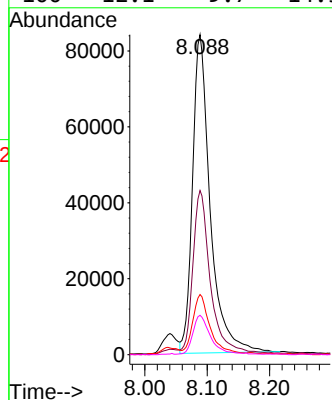
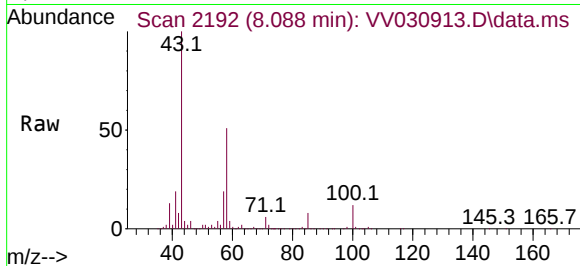




#48
2-Hexanone
Concen: 55.032 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

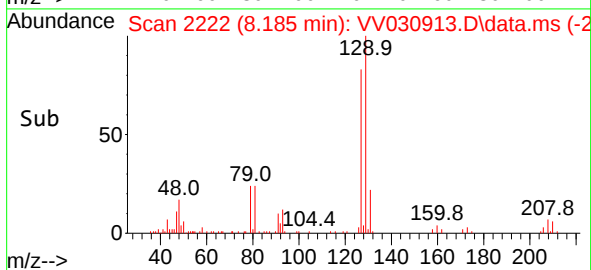
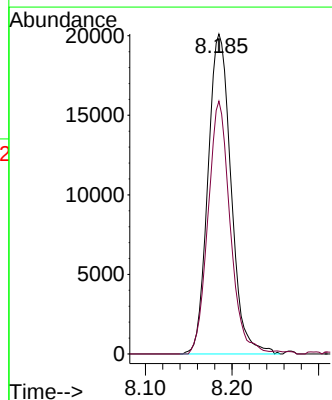
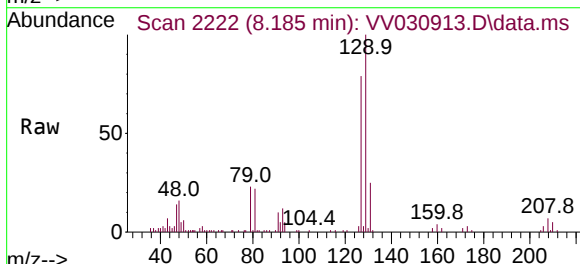
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

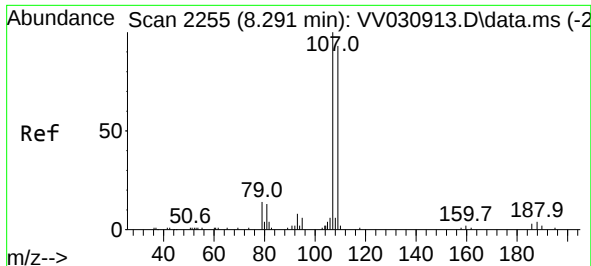
Tgt Ion: 43 Resp: 165105
Ion Ratio Lower Upper
43 100
58 49.9 39.9 59.9
57 17.6 14.1 21.1
100 12.1 9.7 14.5



#49
Dibromochloromethane
Concen: 5.022 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 129 Resp: 37286
Ion Ratio Lower Upper
129 100
127 79.0 55.3 102.7





#50

1,2-Dibromoethane

Concen: 5.112 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005235

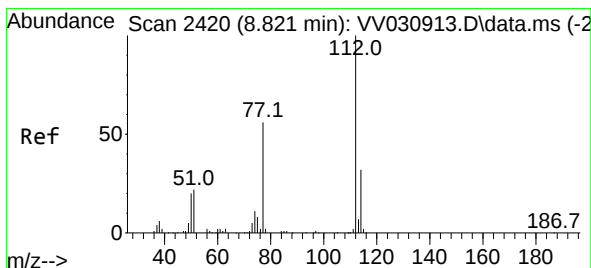
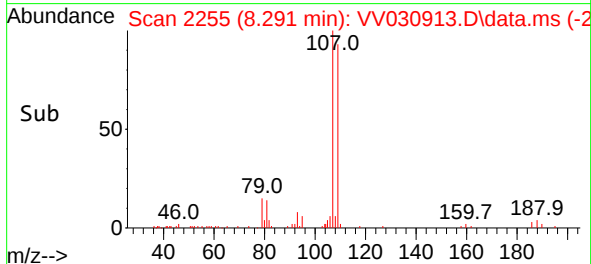
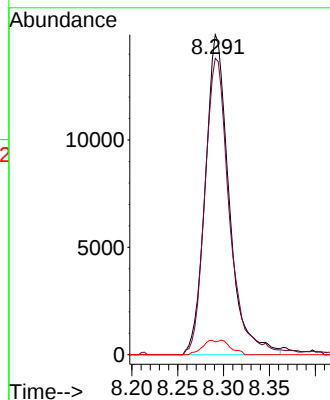
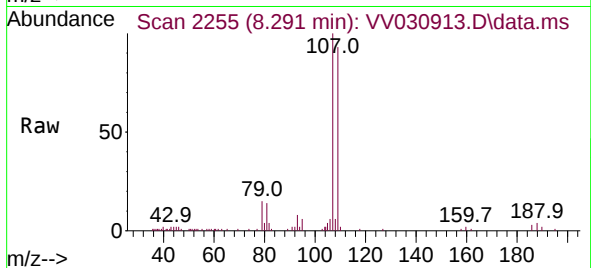
Tgt Ion:107 Resp: 26908

Ion Ratio Lower Upper

107 100

109 92.7 64.9 120.5

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 4.941 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

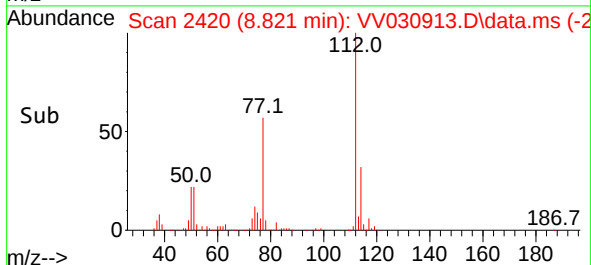
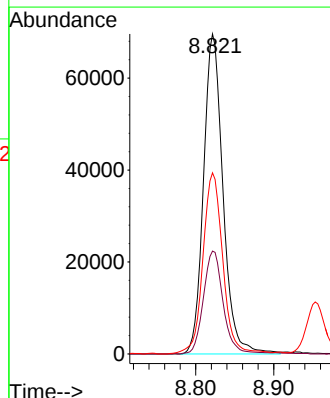
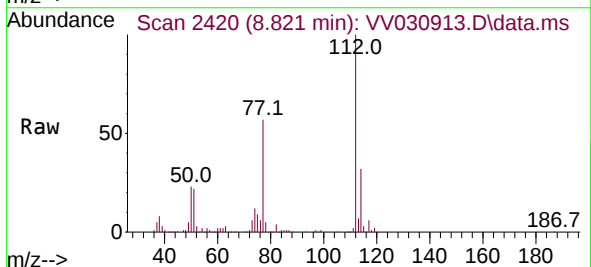
Tgt Ion:112 Resp: 120941

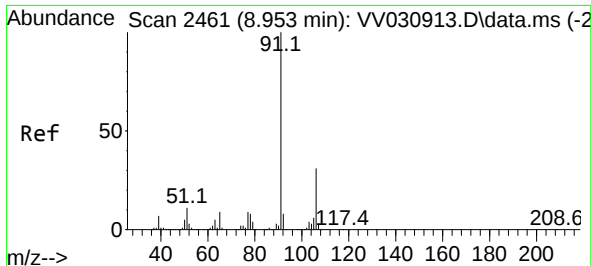
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

77 56.6 45.3 67.9

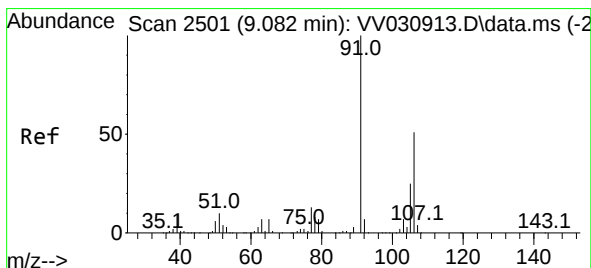
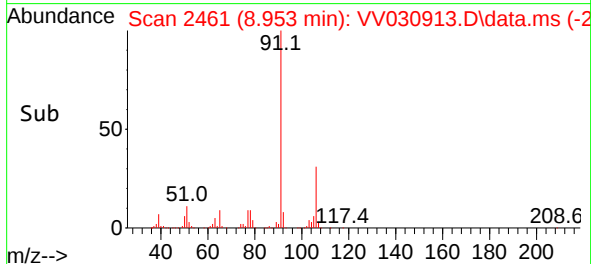
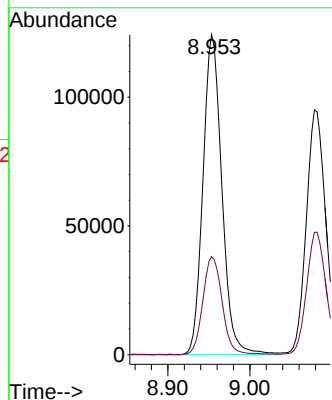
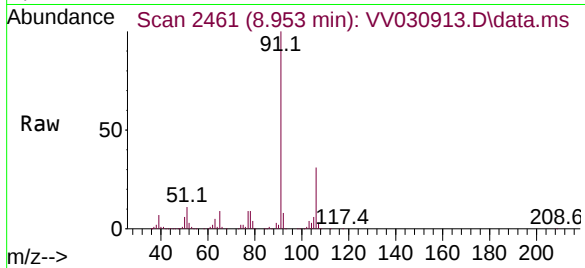




#52
Ethylbenzene
Concen: 5.063 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

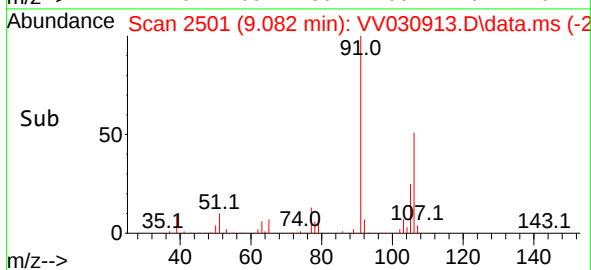
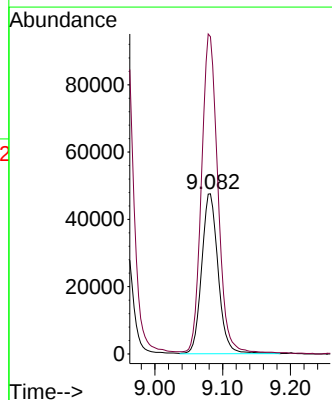
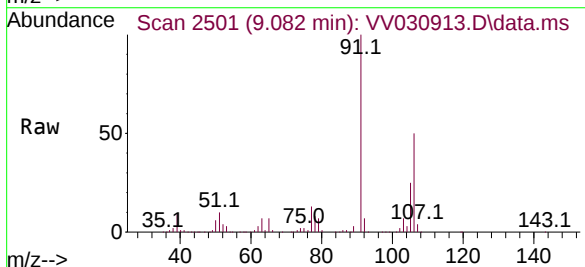
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

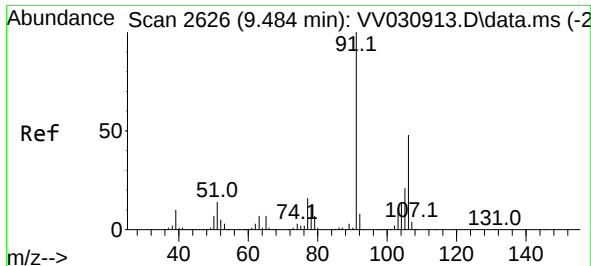
Tgt Ion: 91 Resp: 199284
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-Xylene
Concen: 5.092 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 106 Resp: 79981
Ion Ratio Lower Upper
106 100
91 198.1 138.7 257.5

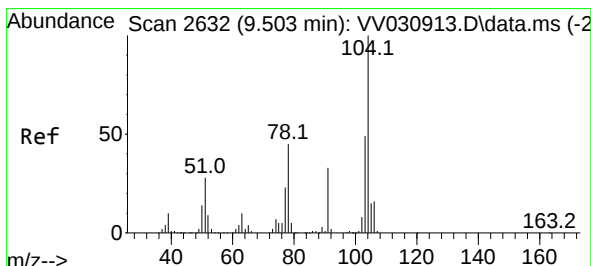
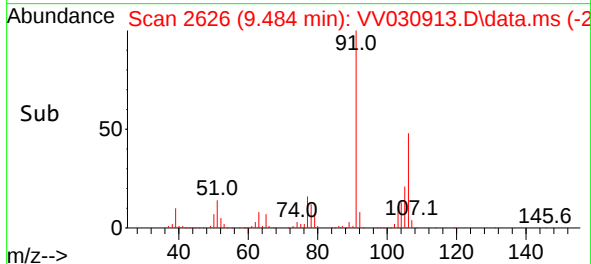
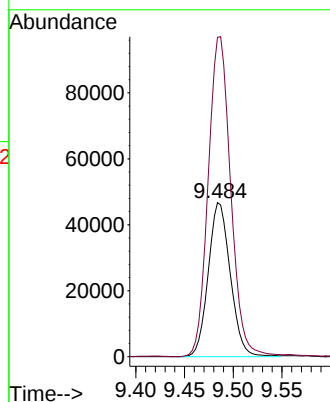
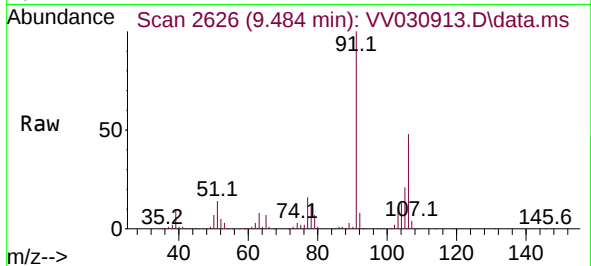




#54
o-Xylene
Concen: 4.926 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

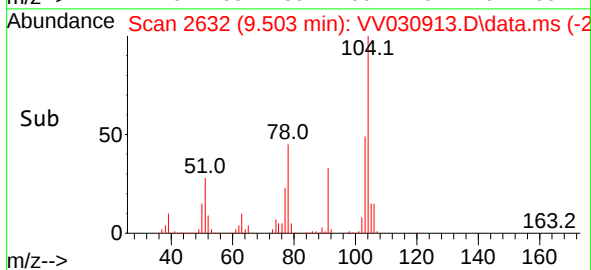
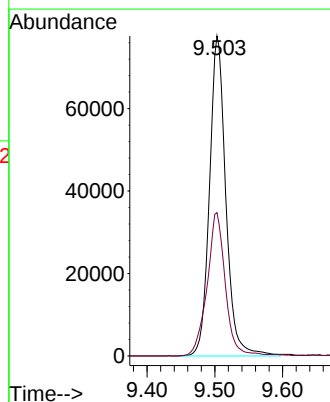
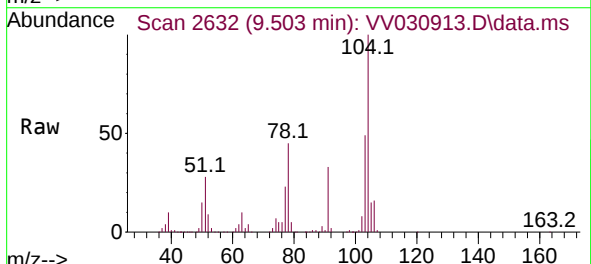
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

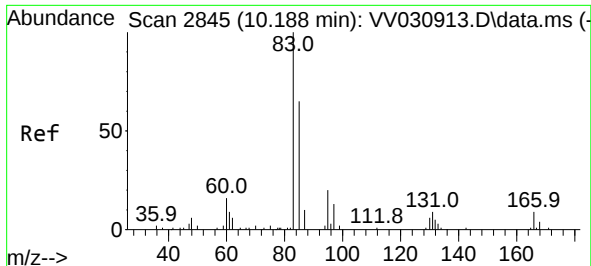
Tgt Ion:106 Resp: 73627
Ion Ratio Lower Upper
106 100
91 207.3 145.1 269.5



#55
Styrene
Concen: 5.159 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion:104 Resp: 130119
Ion Ratio Lower Upper
104 100
78 44.8 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.033 ug/L

RT: 10.188 min Scan# 2845

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005235

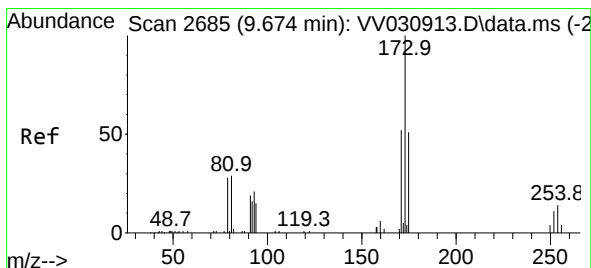
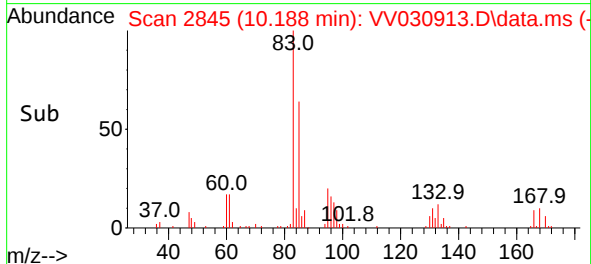
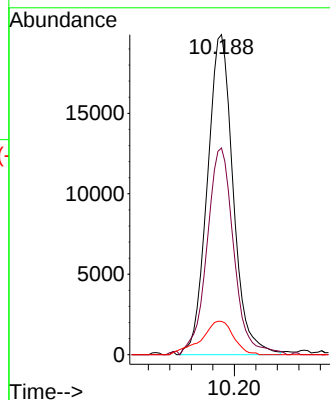
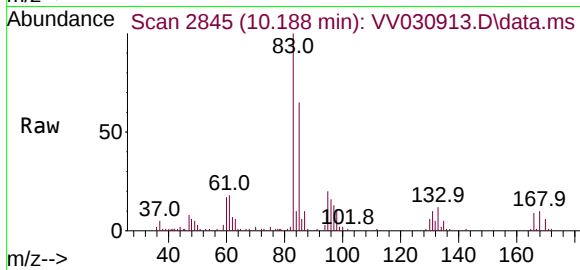
Tgt Ion: 83 Resp: 33202

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

131 10.4 8.3 12.5



#59

Bromoform

Concen: 4.823 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

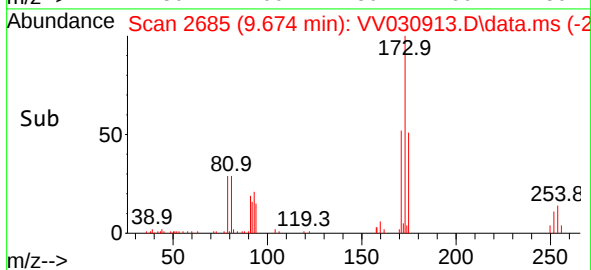
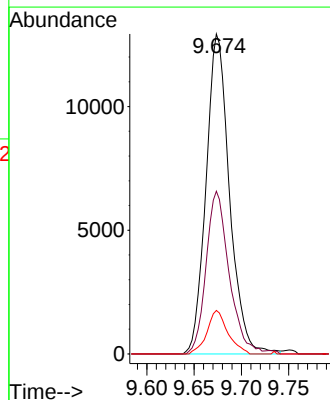
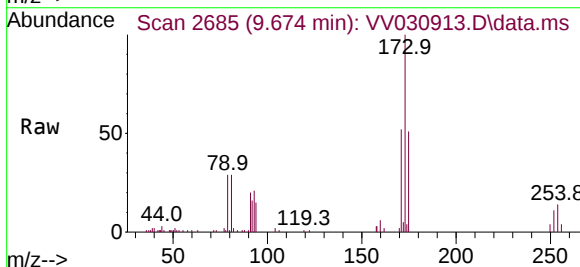
Tgt Ion: 173 Resp: 22307

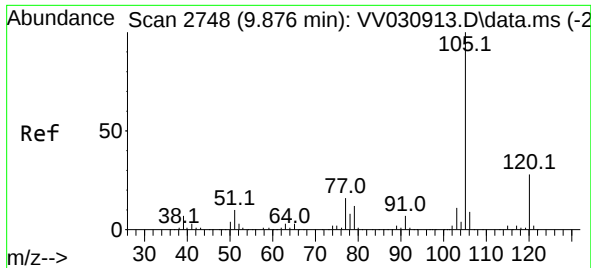
Ion Ratio Lower Upper

173 100

175 49.9 39.9 59.9

254 12.1 9.7 14.5

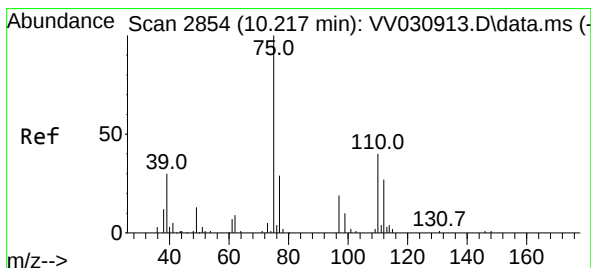
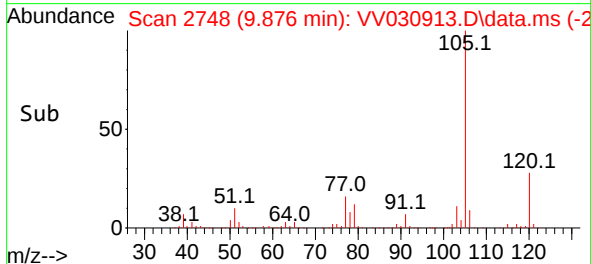
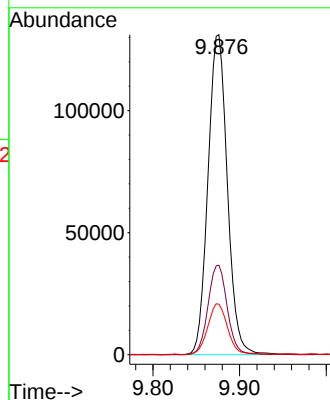
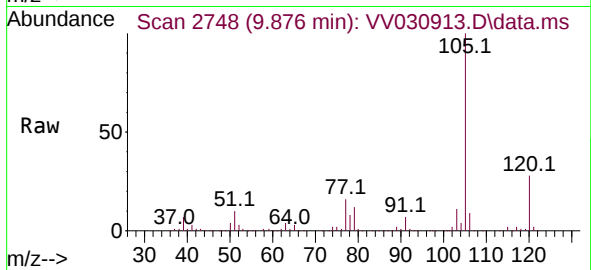




#60
Isopropylbenzene
Concen: 4.814 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

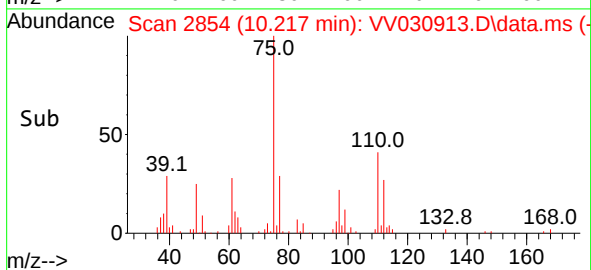
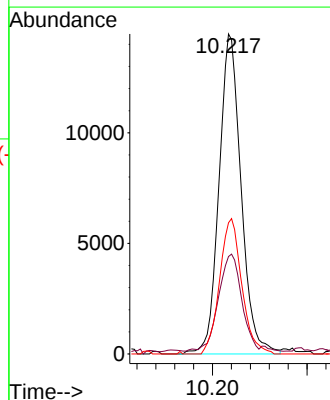
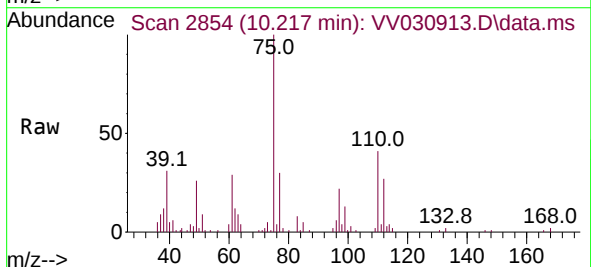
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

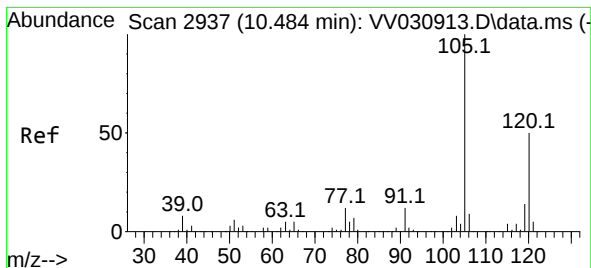
Tgt Ion:105 Resp: 203939
Ion Ratio Lower Upper
105 100
120 27.8 22.2 33.4
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.755 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 75 Resp: 23467
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
110 42.5 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.739 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

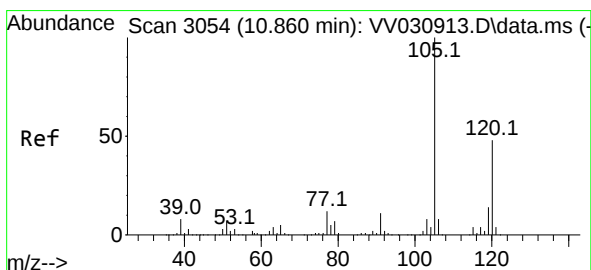
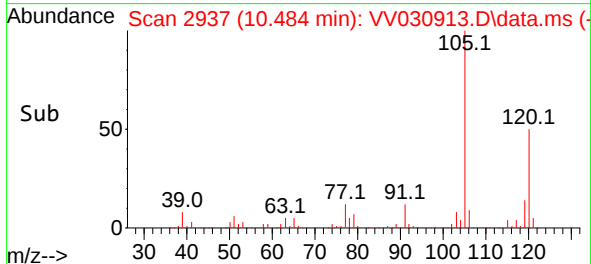
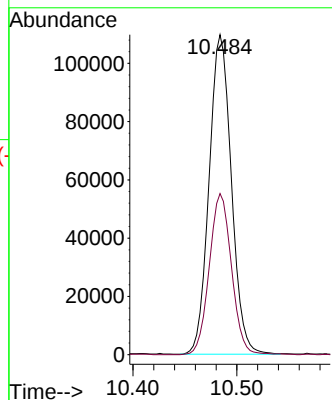
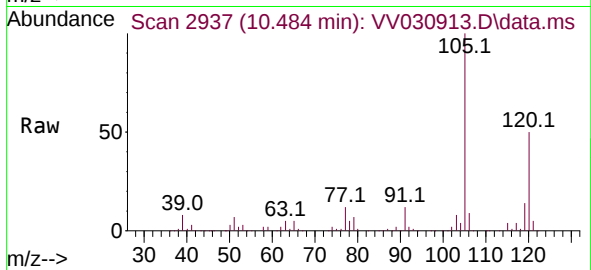
VSTD005235

Tgt Ion:105 Resp: 163418

Ion Ratio Lower Upper

105 100

120 50.3 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.728 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030913.D

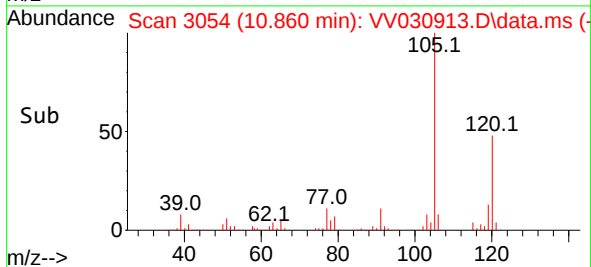
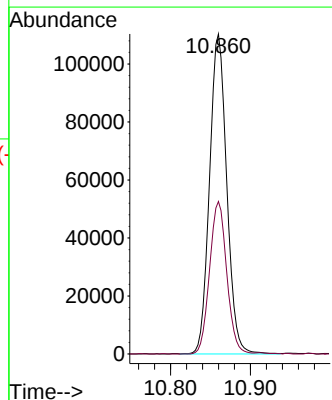
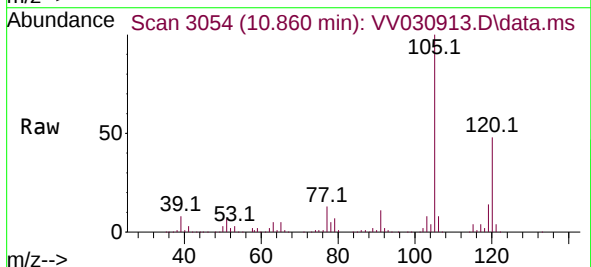
Acq: 28 Apr 2023 11:37

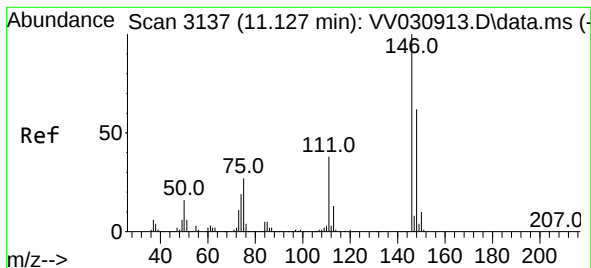
Tgt Ion:105 Resp: 165194

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9





#64

1,3-Dichlorobenzene

Concen: 4.894 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005235

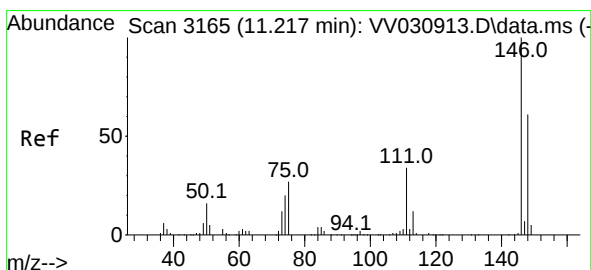
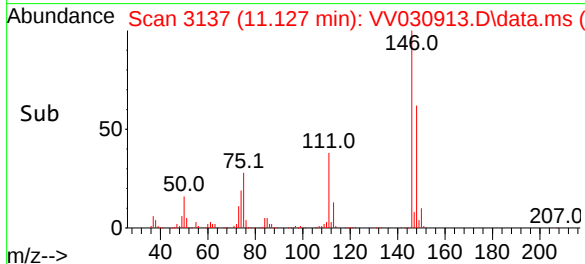
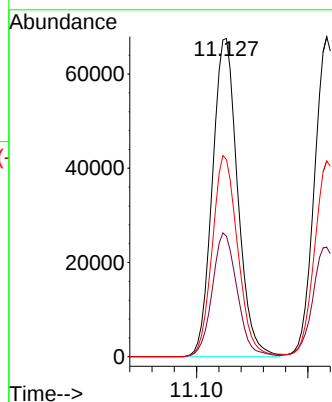
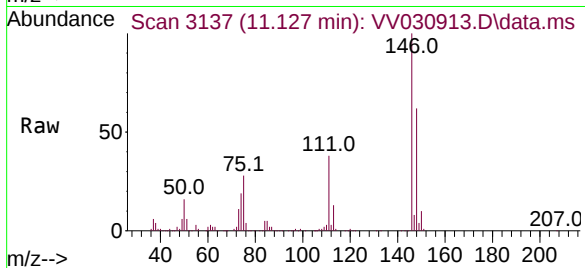
Tgt Ion:146 Resp: 106472

Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.3

148 62.0 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 4.885 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

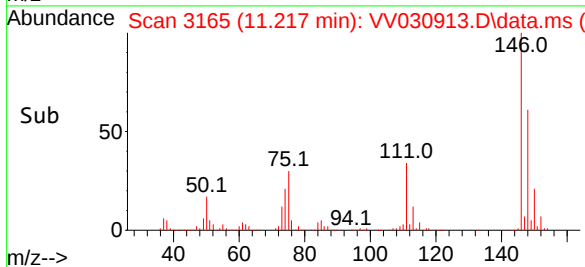
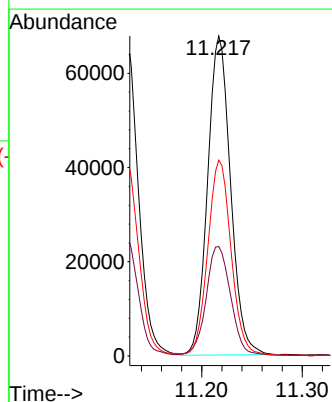
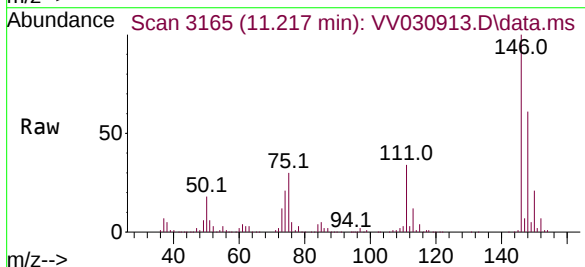
Tgt Ion:146 Resp: 107207

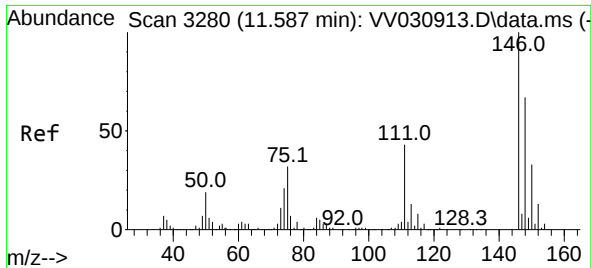
Ion Ratio Lower Upper

146 100

111 34.2 23.9 44.5

148 61.2 42.8 79.6

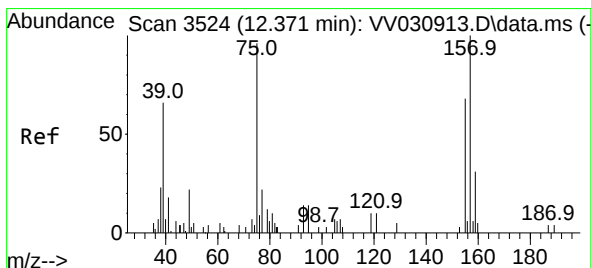
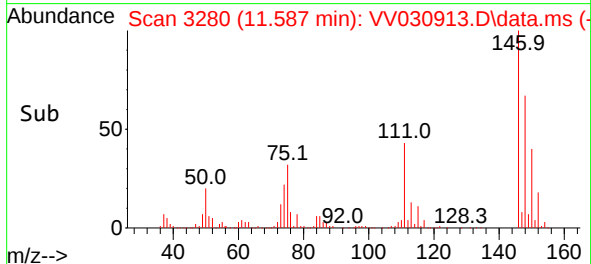
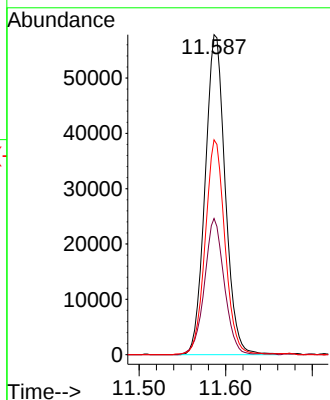
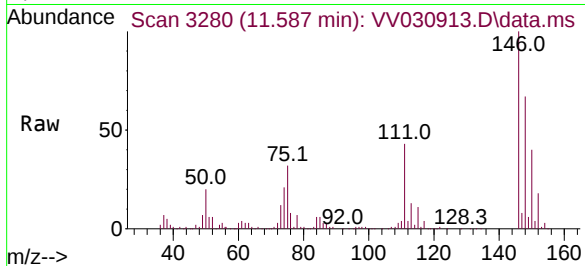




#67
1,2-Dichlorobenzene
Concen: 4.760 ug/L
RT: 11.587 min Scan# 3116
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

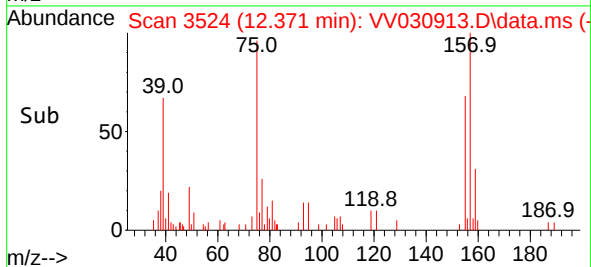
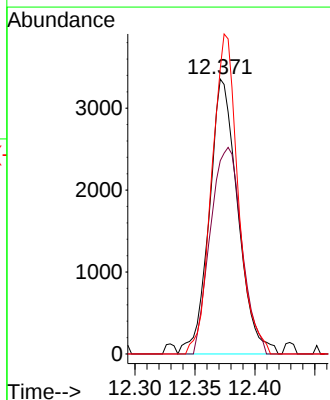
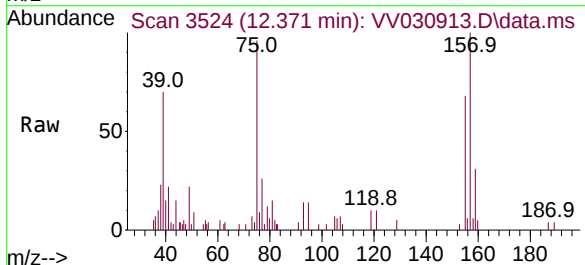
Instrument :
MSVOA_V
ClientSampleId :
VSTD005235

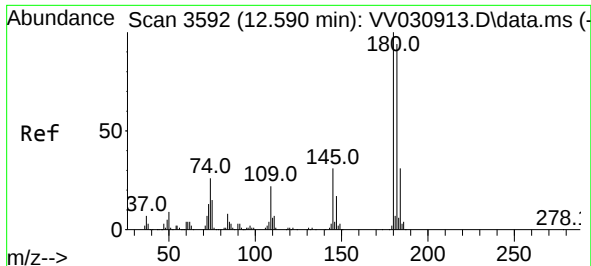
Tgt Ion:146 Resp: 93116
Ion Ratio Lower Upper
146 100
111 42.5 34.0 51.0
148 67.2 53.8 80.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.418 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV030913.D
Acq: 28 Apr 2023 11:37

Tgt Ion: 75 Resp: 5536
Ion Ratio Lower Upper
75 100
155 70.3 56.2 84.4
157 103.9 83.1 124.7

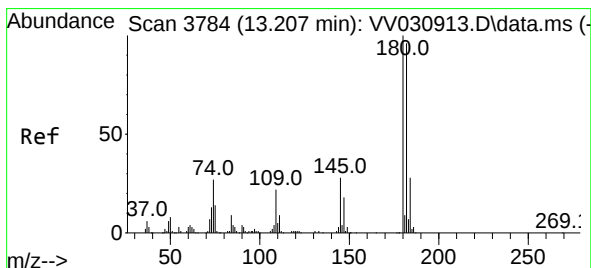
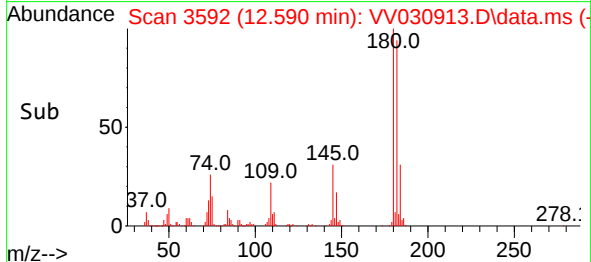
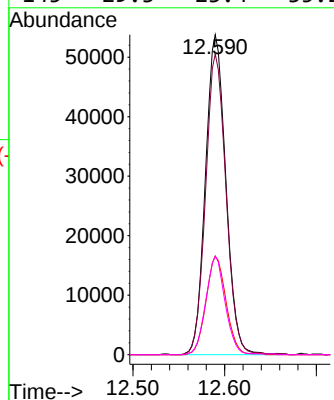
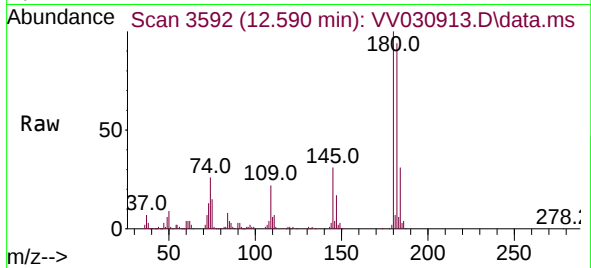




#69
 1,3,5-Trichlorobenzene
 Concen: 4.827 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

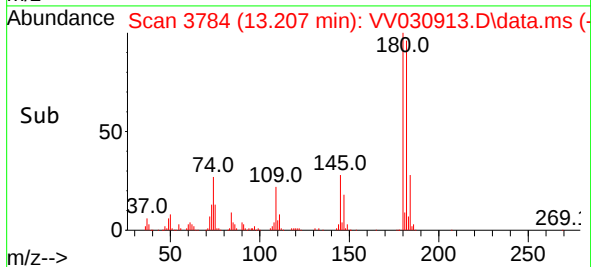
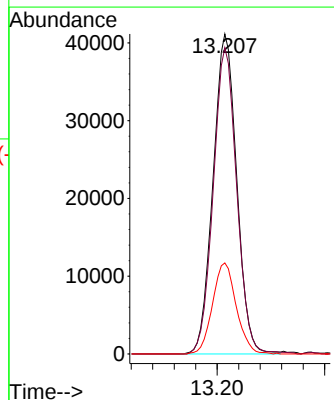
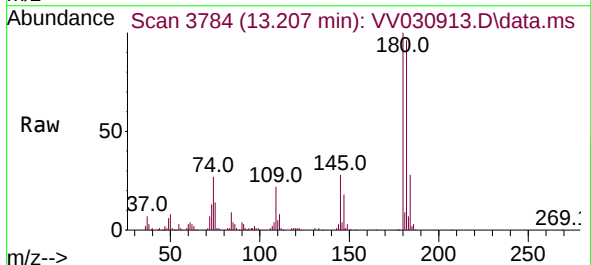
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005235

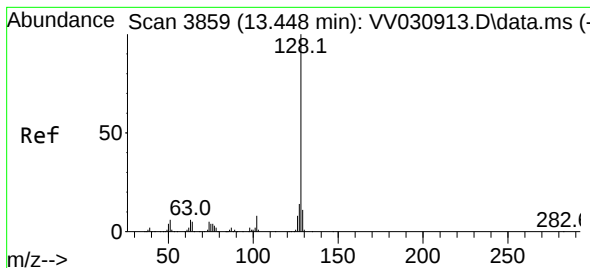
Tgt Ion:180	Resp:	83143
Ion Ratio	Lower	Upper
180	100	
182	93.9	75.1 112.7
184	30.1	24.1 36.1
145	29.3	23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.742 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030913.D
 Acq: 28 Apr 2023 11:37

Tgt Ion:180	Resp:	62768
Ion Ratio	Lower	Upper
180	100	
182	95.0	76.0 114.0
145	28.6	22.9 34.3





#71

Naphthalene

Concen: 4.213 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005235

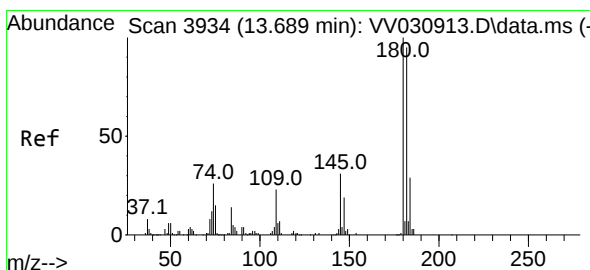
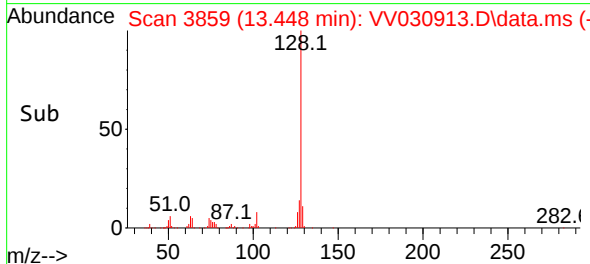
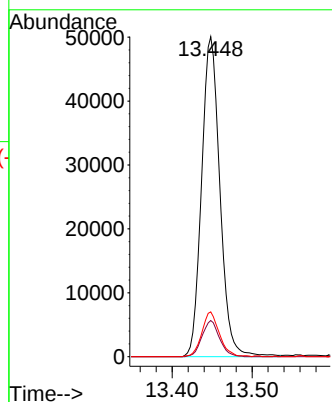
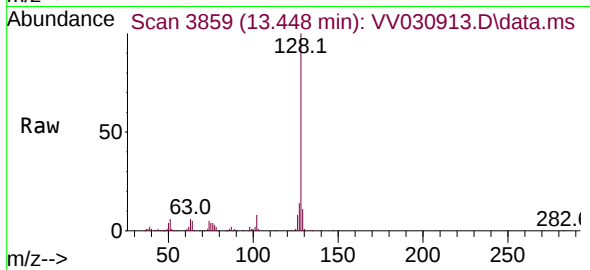
Tgt Ion:128 Resp: 79968

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.590 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030913.D

Acq: 28 Apr 2023 11:37

Tgt Ion:180 Resp: 51429

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 30.9 24.7 37.1

