

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030611.D
 Acq On : 18 Apr 2023 12:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050289

Quant Time: Apr 19 01:45:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	228694	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	228724	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	132215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	82008	48.916	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.840%
7) Chloroethane-d5	1.536	69	70451	50.146	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.300%
11) 1,1-Dichloroethene-d2	2.063	65	39155	49.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.500%
21) 2-Butanone-d5	3.802	46	93695	101.750	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.750%
24) Chloroform-d	4.259	84	154558	50.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.740%
26) 1,2-Dichloroethane-d4	4.950	65	100263	51.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.660%
32) Benzene-d6	4.970	84	279420	51.671	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.340%
36) 1,2-Dichloropropane-d6	5.995	67	83930	49.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.940%
41) Toluene-d8	7.249	98	269598	53.099	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.200%
43) trans-1,3-Dichloroprop...	7.558	79	39137	46.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.460%
47) 2-Hexanone-d5	8.034	63	62956	95.139	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.140%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	127677	52.382	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.760%
66) 1,2-Dichlorobenzene-d4	11.567	152	105102	50.013	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	94148	47.882	ug/L	98
3) Chloromethane	1.217	50	117009	45.365	ug/L	99
5) Vinyl chloride	1.288	62	99600	47.897	ug/L	99
6) Bromomethane	1.491	94	41310	50.099	ug/L	99
8) Chloroethane	1.552	64	68480	48.013	ug/L	100
9) Trichlorofluoromethane	1.719	101	169989	50.438	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	87895	49.625	ug/L	98
12) 1,1-Dichloroethene	2.076	96	78288	48.889	ug/L	97
13) Acetone	2.127	43	98358	69.028	ug/L	100
14) Carbon disulfide	2.246	76	215075	47.551	ug/L	99
15) Methyl Acetate	2.378	43	100392	52.796	ug/L	99
16) Methylene chloride	2.452	84	98849	53.942	ug/L	99
17) trans-1,2-Dichloroethene	2.700	96	77301	47.817	ug/L	95
18) Methyl tert-butyl Ether	2.712	73	260242	50.259	ug/L	99
19) 1,1-Dichloroethane	3.121	63	158789	48.177	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	84416	48.004	ug/L	99
22) 2-Butanone	3.880	43	124542	84.578	ug/L	98
23) Bromochloromethane	4.153	128	49506	50.405	ug/L	96
25) Chloroform	4.285	83	170120	49.868	ug/L	99

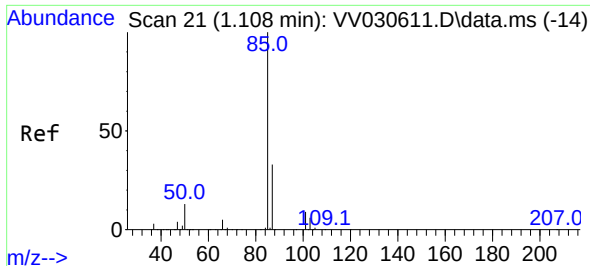
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030611.D
 Acq On : 18 Apr 2023 12:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050289

Quant Time: Apr 19 01:45:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	149348	51.717	ug/L	100
29) Cyclohexane	4.593	56	130533	47.557	ug/L	100
30) 1,1,1-Trichloroethane	4.523	97	153401	47.730	ug/L	100
31) Carbon tetrachloride	4.744	117	140853	49.018	ug/L	99
33) Benzene	5.018	78	347923	50.092	ug/L	100
34) Trichloroethene	5.841	95	88621	49.053	ug/L	96
35) Methylcyclohexane	6.059	83	136769	48.314	ug/L	99
37) 1,2-Dichloropropane	6.101	63	92665	49.568	ug/L	100
38) Bromodichloromethane	6.439	83	126205	48.058	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	125431	44.704	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	268871	102.960	ug/L	99
42) Toluene	7.323	91	385913	51.874	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	128145	46.486	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	93748	50.010	ug/L	97
46) Tetrachloroethene	7.912	164	77415	48.955	ug/L	99
48) 2-Hexanone	8.082	43	207802	96.440	ug/L	96
49) Dibromochloromethane	8.185	129	101709	49.189	ug/L	100
50) 1,2-Dibromoethane	8.288	107	95240	49.034	ug/L	99
51) Chlorobenzene	8.821	112	243318	49.384	ug/L	99
52) Ethylbenzene	8.953	91	415028	50.392	ug/L	99
53) m,p-Xylene	9.079	106	159338	51.219	ug/L	100
54) o-Xylene	9.487	106	151881	49.906	ug/L	98
55) Styrene	9.503	104	283198	52.975	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	154331	50.144	ug/L	99
59) Bromoform	9.670	173	82563	49.877	ug/L	99
60) Isopropylbenzene	9.876	105	419923	50.927	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	119013	50.258	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	340405	50.141	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	344522	50.826	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	206511	50.024	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	217085	49.868	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	214360	51.471	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	33912	48.336	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	151762	48.665	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	125156	47.268	ug/L	99
71) Naphthalene	13.448	128	341813	47.192	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	132670	50.530	ug/L	99

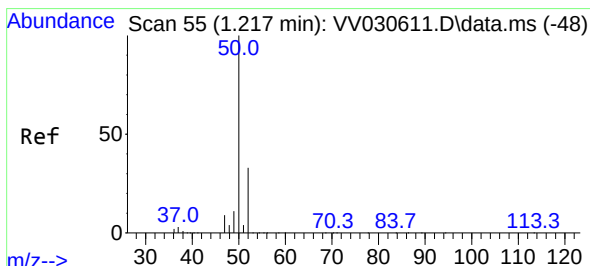
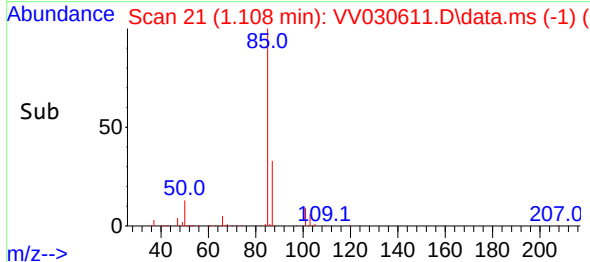
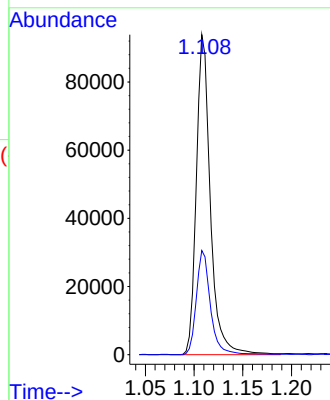
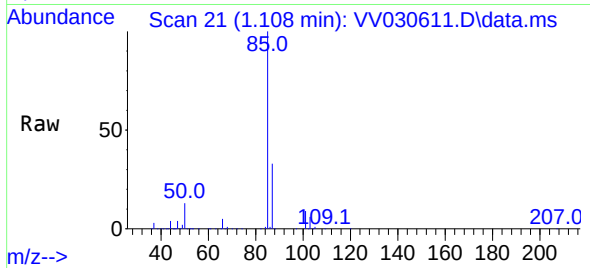
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 47.882 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030611.D
 Acq: 18 Apr 2023 12:21

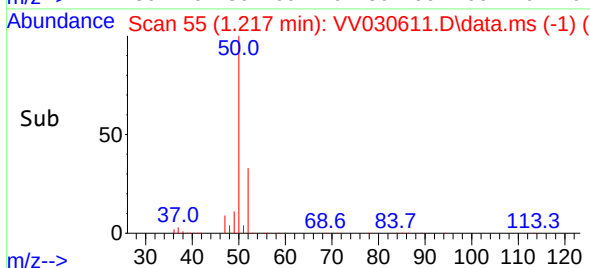
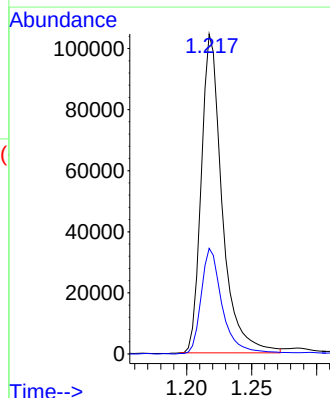
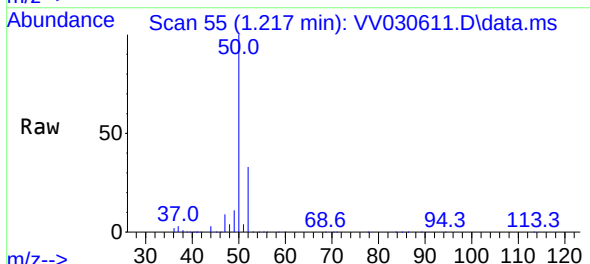
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050289

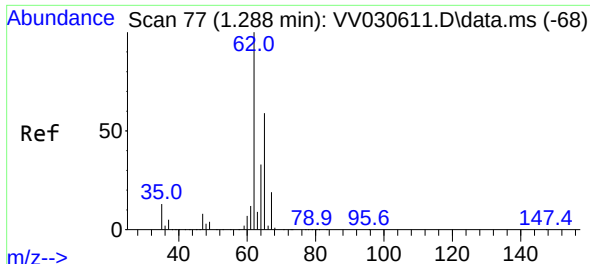
Tgt Ion: 85 Resp: 94148
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.6 38.4



#3
 Chloromethane
 Concen: 45.365 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030611.D
 Acq: 18 Apr 2023 12:21

Tgt Ion: 50 Resp: 117009
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.5 41.9

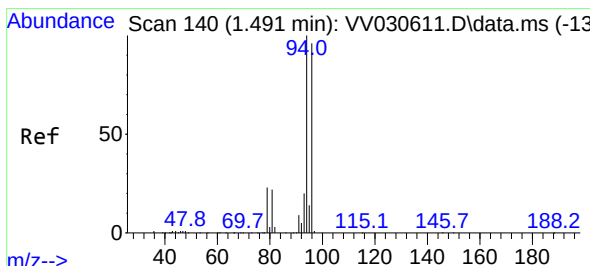
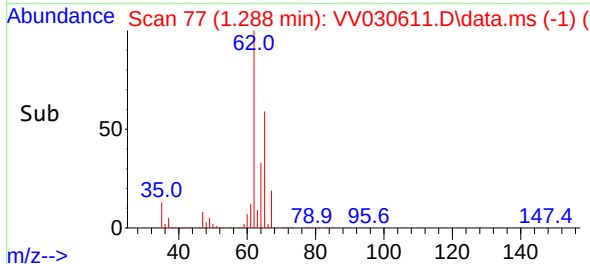
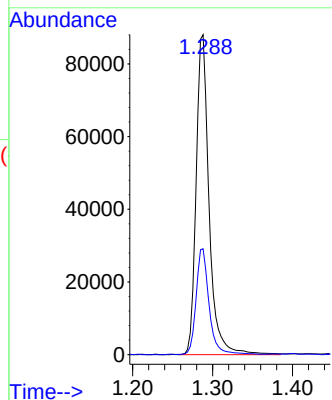
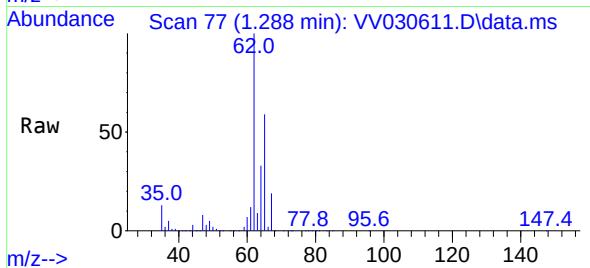




#5
 Vinyl chloride
 Concen: 47.897 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV030611.D
 Acq: 18 Apr 2023 12:21

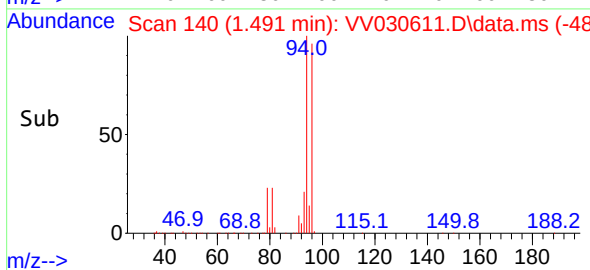
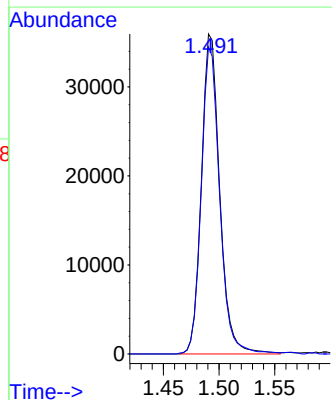
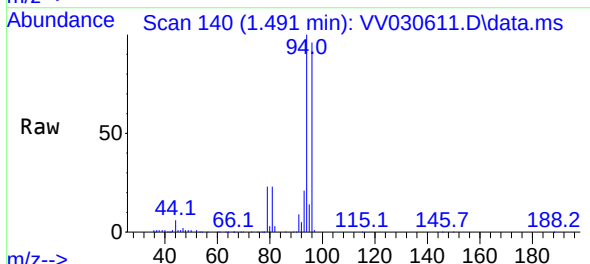
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050289

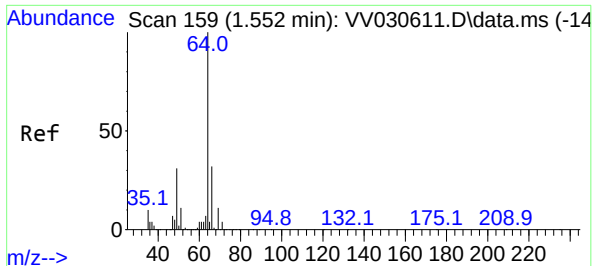
Tgt Ion: 62 Resp: 99600
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.4 43.4



#6
 Bromomethane
 Concen: 50.099 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030611.D
 Acq: 18 Apr 2023 12:21

Tgt Ion: 94 Resp: 41310
 Ion Ratio Lower Upper
 94 100
 96 95.9 66.3 123.1

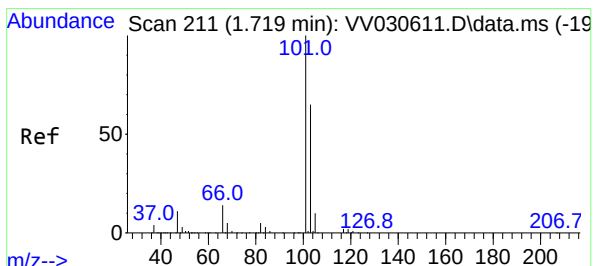
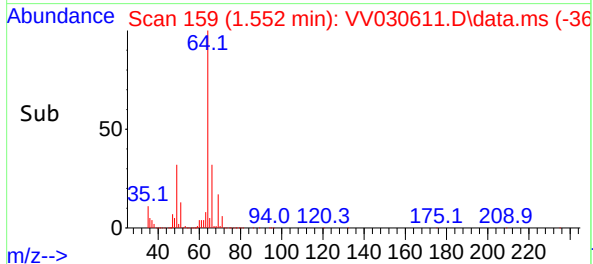
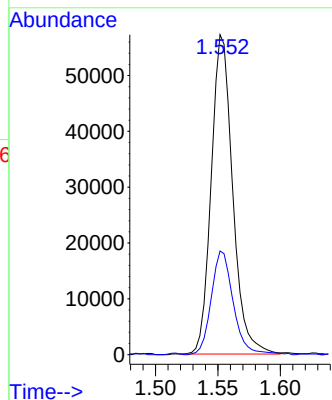
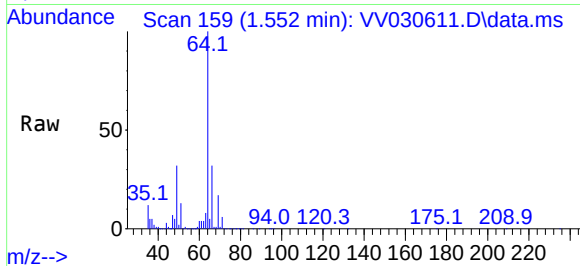




#8
Chloroethane
Concen: 48.013 ug/L
RT: 1.552 min Scan# 159
Delta R.T. -0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

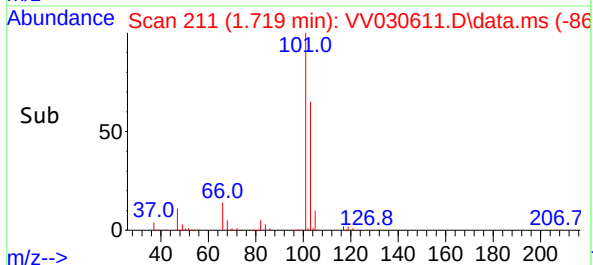
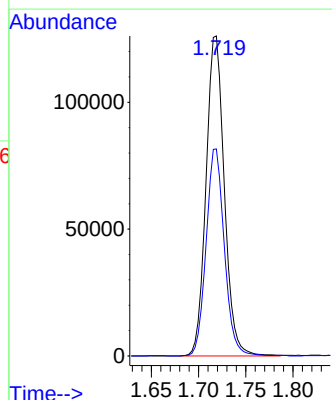
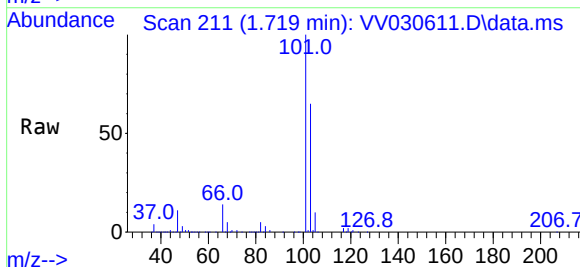
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

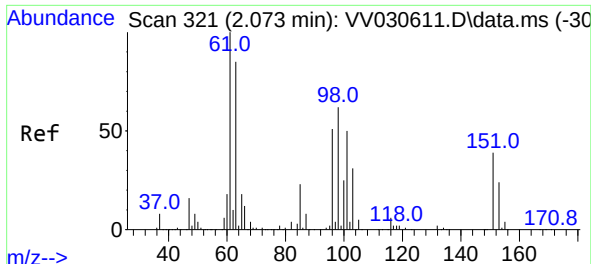
Tgt Ion: 64 Resp: 68480
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.3



#9
Trichlorofluoromethane
Concen: 50.438 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:101 Resp: 169989
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0

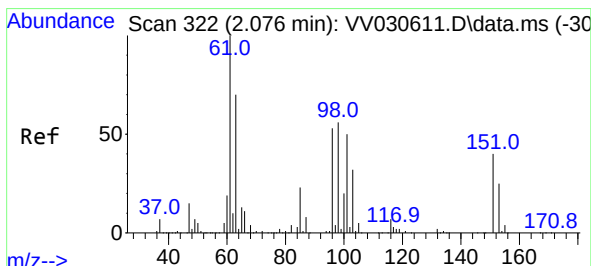
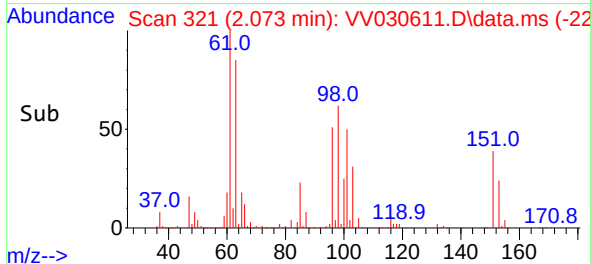
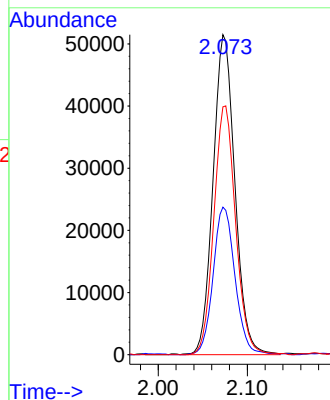
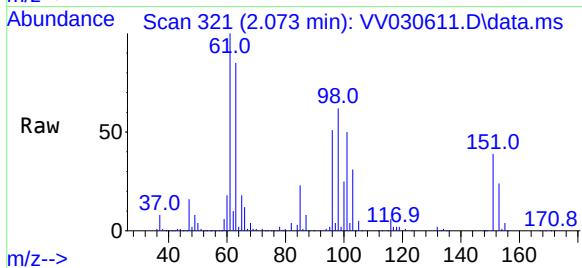




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.625 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

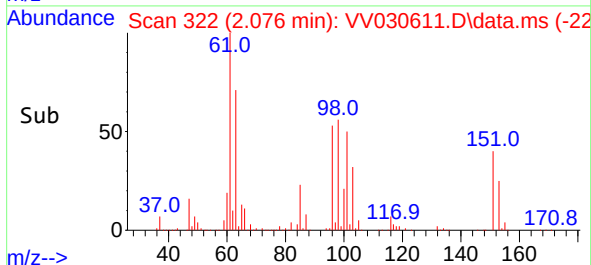
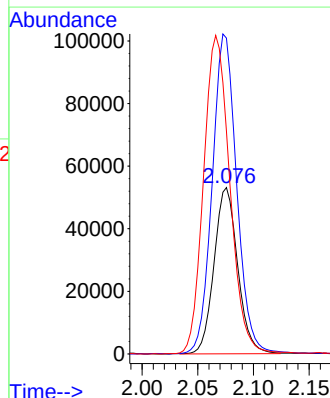
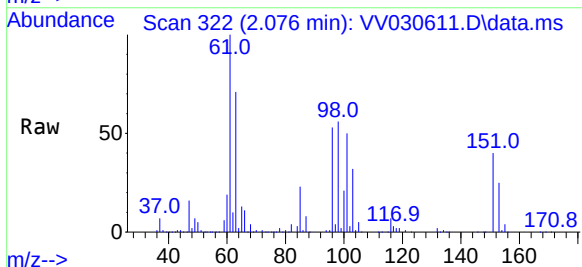
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

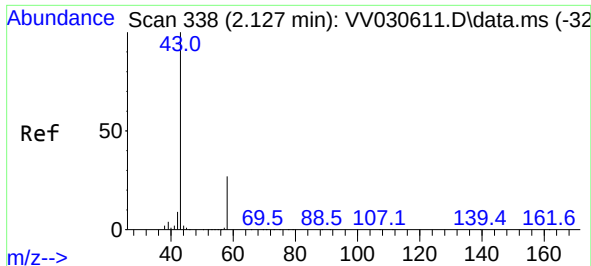
Tgt Ion:101 Resp: 87895
Ion Ratio Lower Upper
101 100
85 46.1 37.5 56.3
151 77.7 63.5 95.3



#12
1,1-Dichloroethene
Concen: 48.889 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 96 Resp: 78288
Ion Ratio Lower Upper
96 100
61 189.7 131.9 245.0
63 133.9 99.8 185.3





#13

Acetone

Concen: 69.028 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

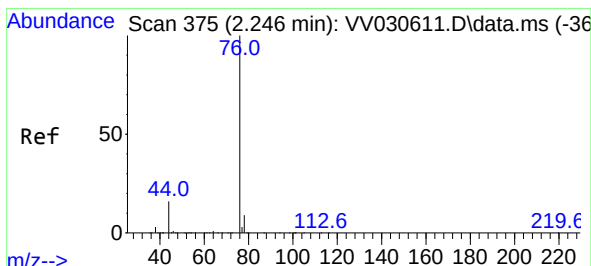
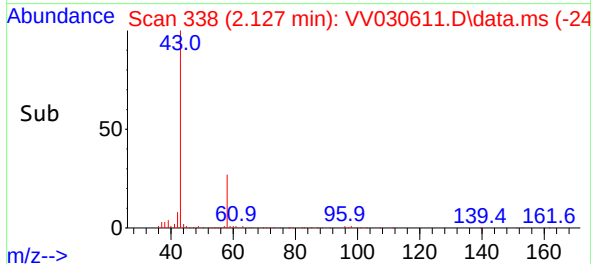
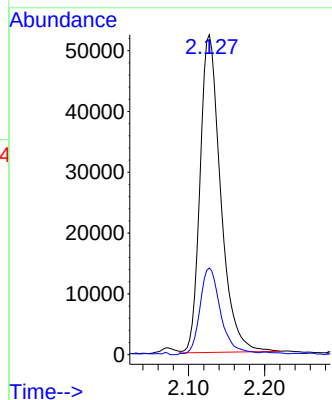
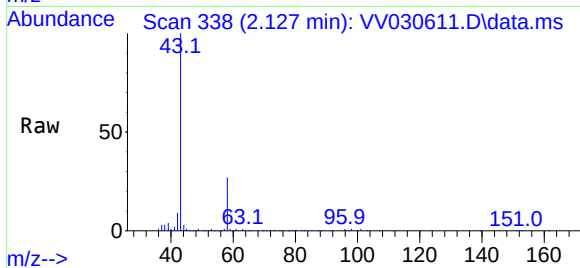
VSTD050289

Tgt Ion: 43 Resp: 98358

Ion Ratio Lower Upper

43 100

58 26.4 0.0 52.8



#14

Carbon disulfide

Concen: 47.551 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030611.D

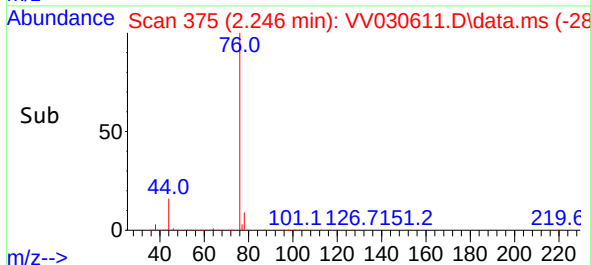
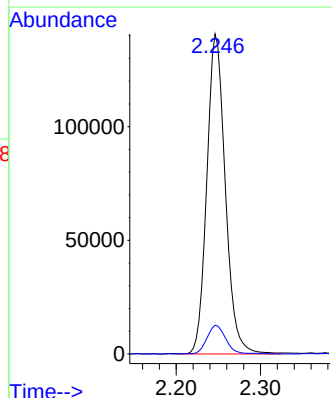
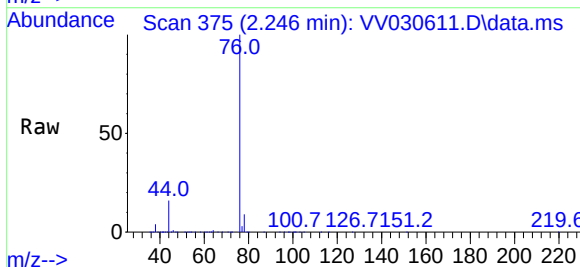
Acq: 18 Apr 2023 12:21

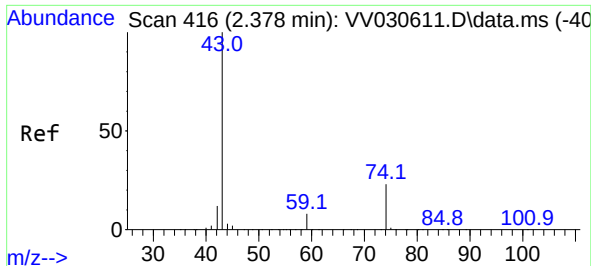
Tgt Ion: 76 Resp: 215075

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4





#15

Methyl Acetate

Concen: 52.796 ug/L

RT: 2.378 min Scan# 416

Delta R.T. -0.003 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

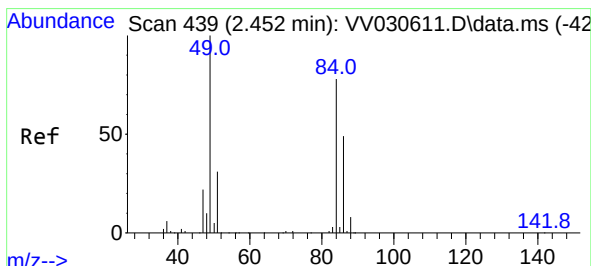
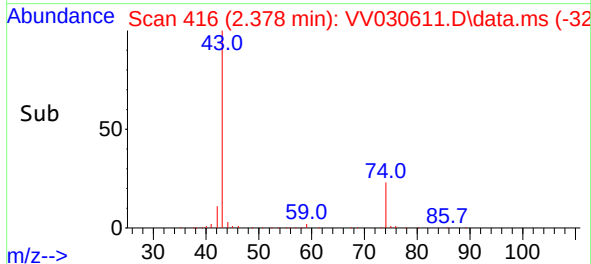
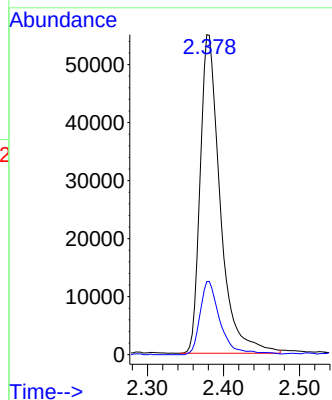
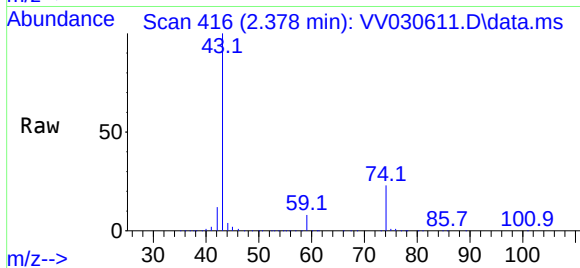
VSTD050289

Tgt Ion: 43 Resp: 100392

Ion Ratio Lower Upper

43 100

74 22.4 17.7 26.5



#16

Methylene chloride

Concen: 53.942 ug/L

RT: 2.452 min Scan# 439

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

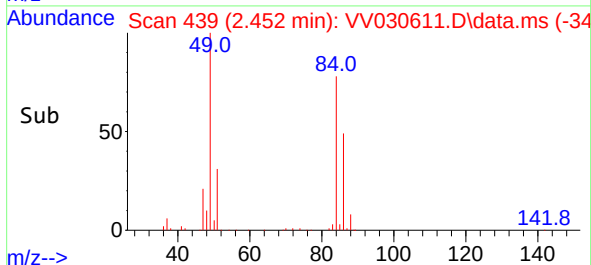
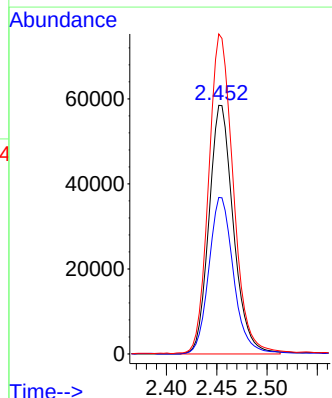
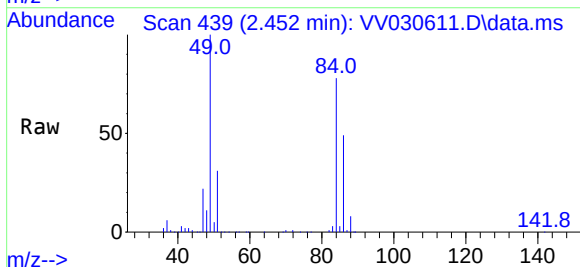
Tgt Ion: 84 Resp: 98849

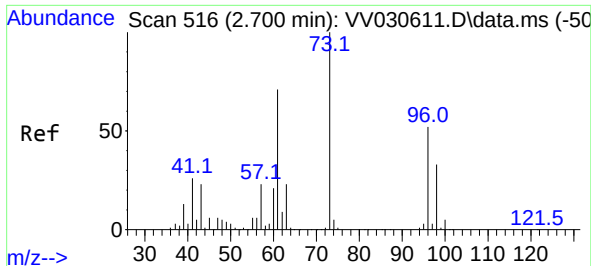
Ion Ratio Lower Upper

84 100

86 62.9 45.4 84.2

49 128.7 90.4 168.0

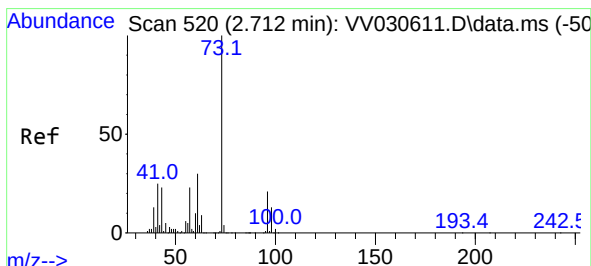
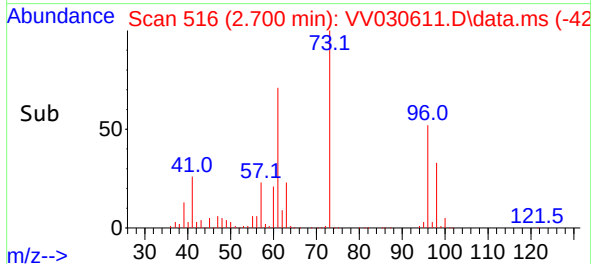
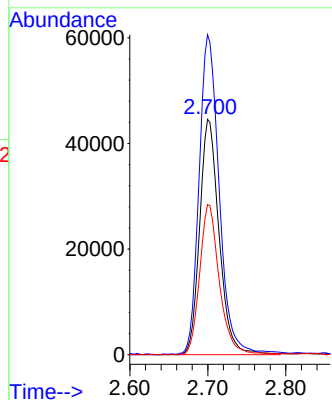
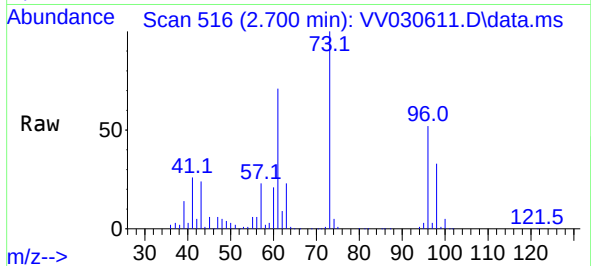




#17
trans-1,2-Dichloroethene
Concen: 47.817 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

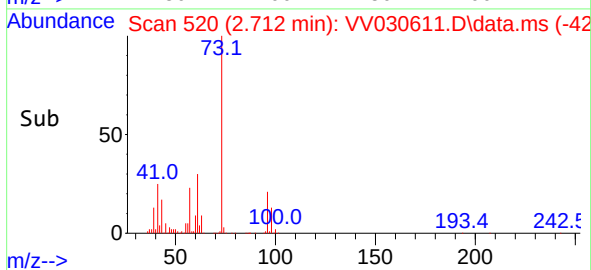
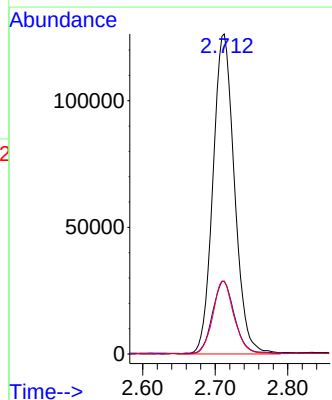
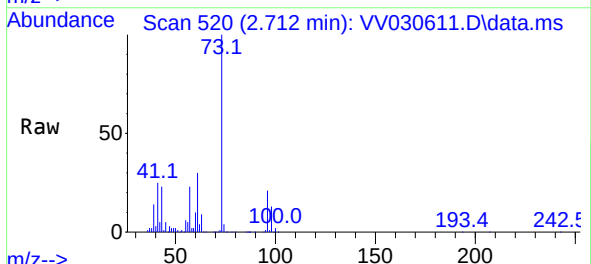
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

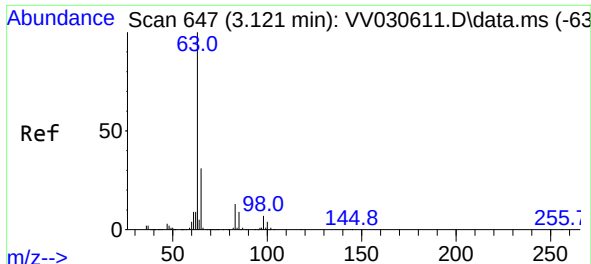
Tgt Ion: 96 Resp: 77301
Ion Ratio Lower Upper
96 100
61 135.9 101.0 187.6
98 63.7 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 50.259 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 73 Resp: 260242
Ion Ratio Lower Upper
73 100
43 22.9 17.6 26.4
57 22.4 18.2 27.2

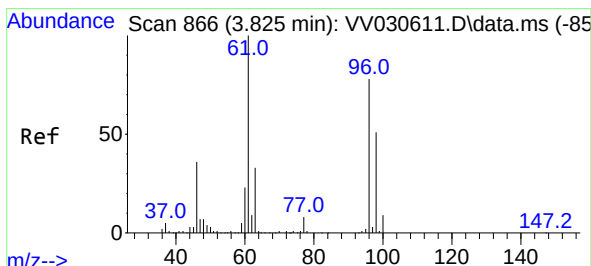
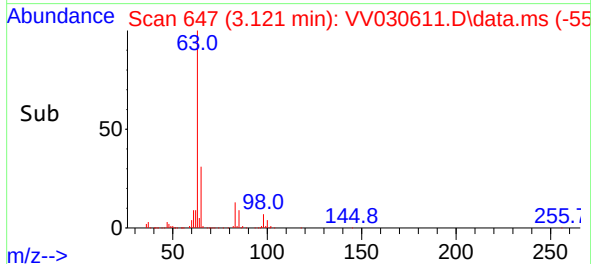
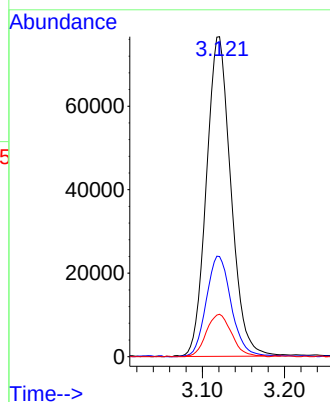
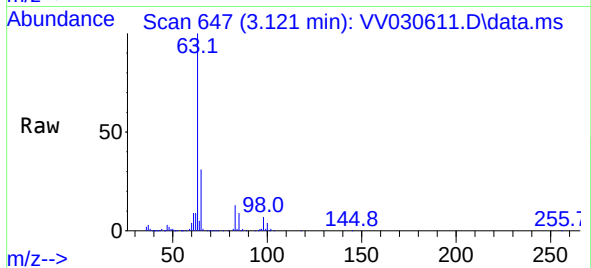




#19
1,1-Dichloroethane
Concen: 48.177 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

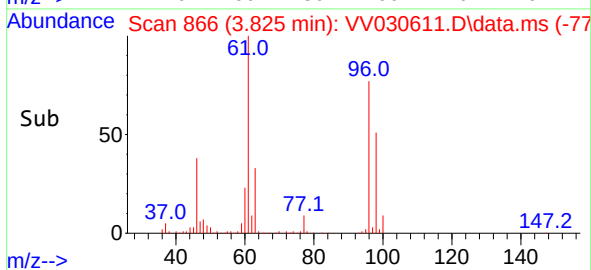
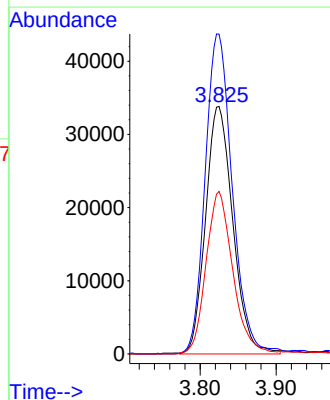
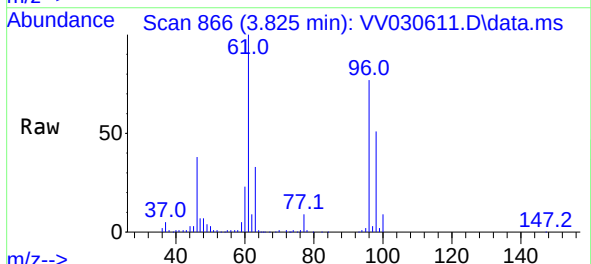
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

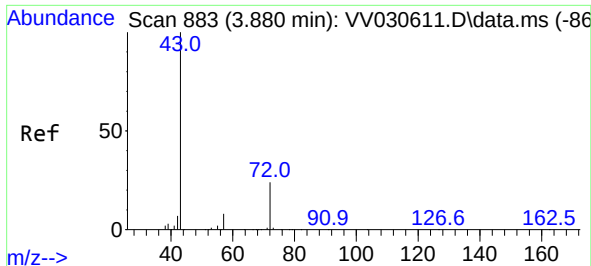
Tgt Ion: 63 Resp: 158789
Ion Ratio Lower Upper
63 100
65 31.3 21.8 40.6
83 13.3 10.2 19.0



#20
cis-1,2-Dichloroethene
Concen: 48.004 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 96 Resp: 84416
Ion Ratio Lower Upper
96 100
61 129.3 92.3 171.3
98 65.7 45.9 85.3

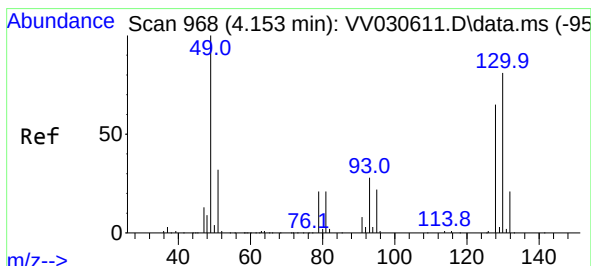
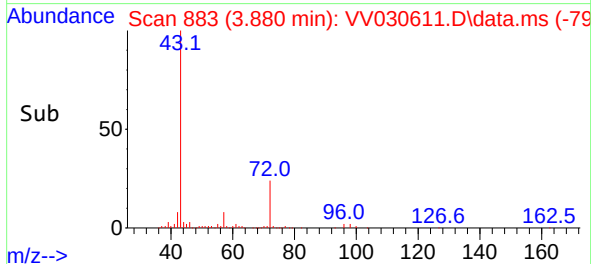
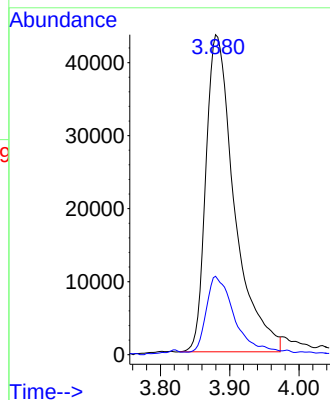
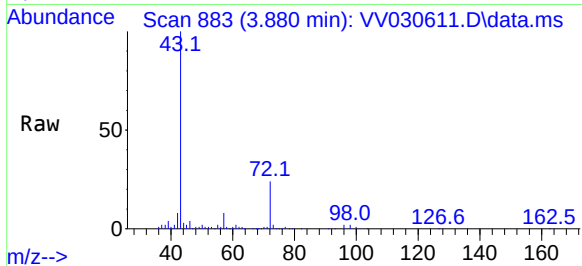




#22
2-Butanone
Concen: 84.578 ug/L
RT: 3.880 min Scan# 883
Delta R.T. -0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

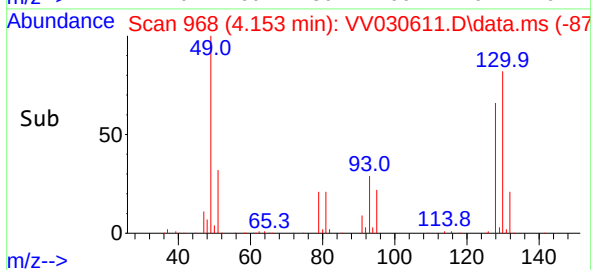
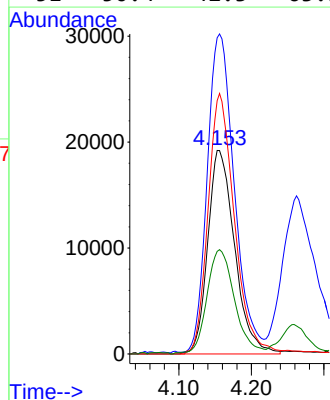
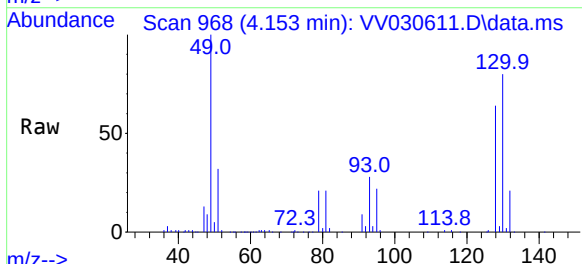
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

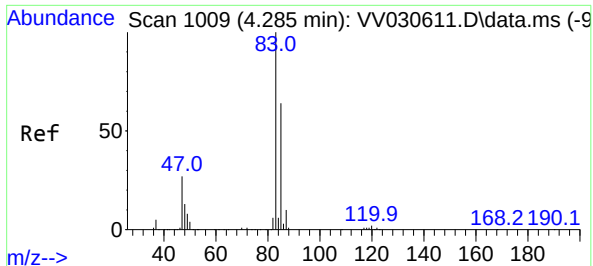
Tgt Ion: 43 Resp: 124542
Ion Ratio Lower Upper
43 100
72 22.1 11.5 34.4



#23
Bromochloromethane
Concen: 50.405 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:128 Resp: 49506
Ion Ratio Lower Upper
128 100
49 155.3 114.7 213.1
130 124.4 89.0 165.2
51 50.4 42.3 63.5





#25

Chloroform

Concen: 49.868 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

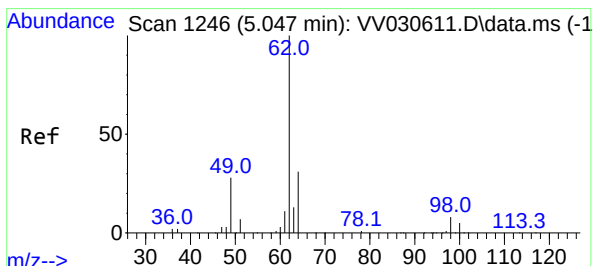
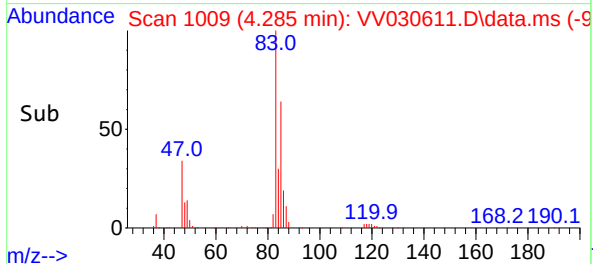
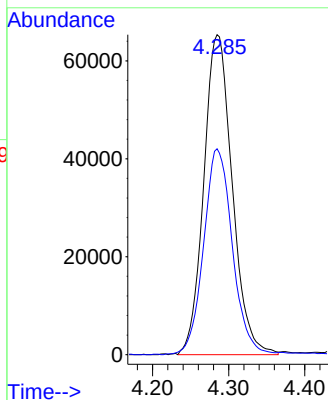
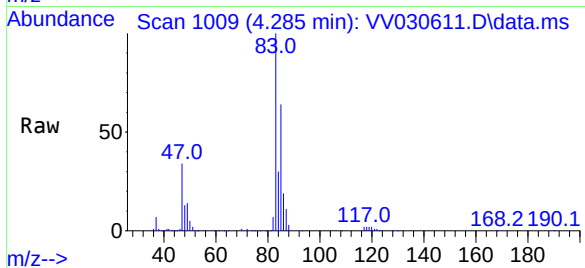
VSTD050289

Tgt Ion: 83 Resp: 170120

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2



#27

1,2-Dichloroethane

Concen: 51.717 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV030611.D

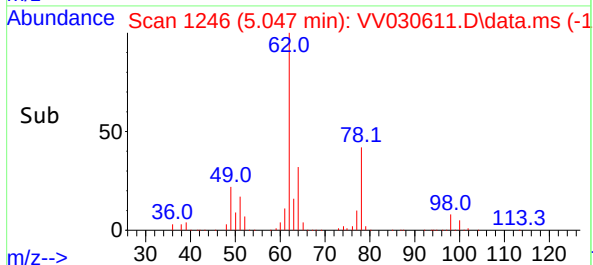
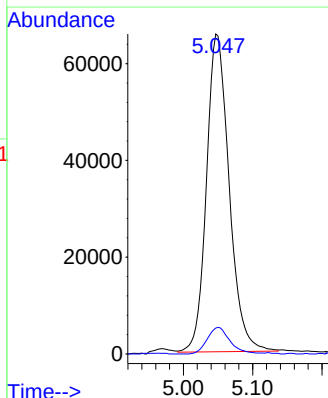
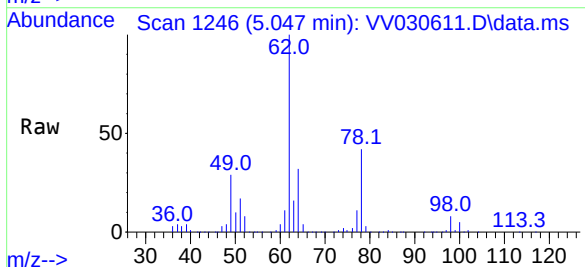
Acq: 18 Apr 2023 12:21

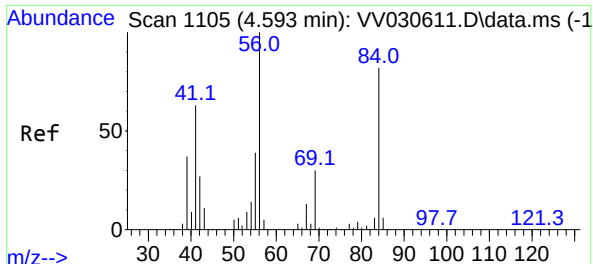
Tgt Ion: 62 Resp: 149348

Ion Ratio Lower Upper

62 100

98 8.1 6.4 9.6





#29

Cyclohexane

Concen: 47.557 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050289

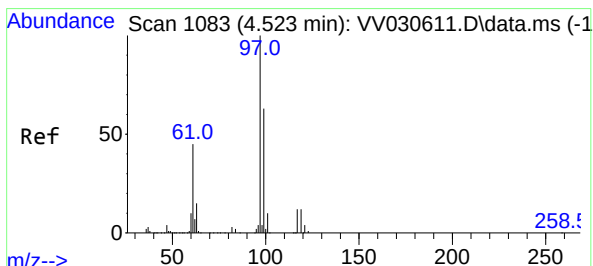
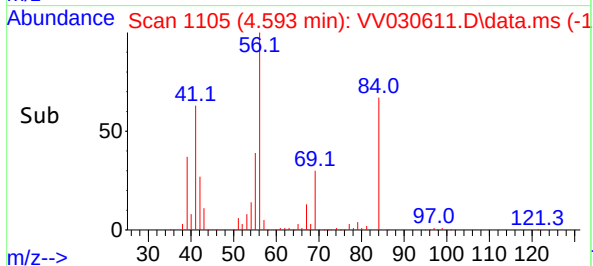
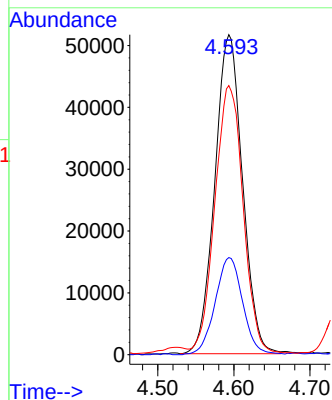
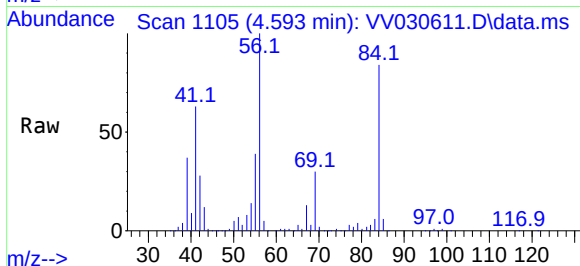
Tgt Ion: 56 Resp: 130533

Ion Ratio Lower Upper

56 100

69 30.3 24.0 36.0

84 85.6 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 47.730 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

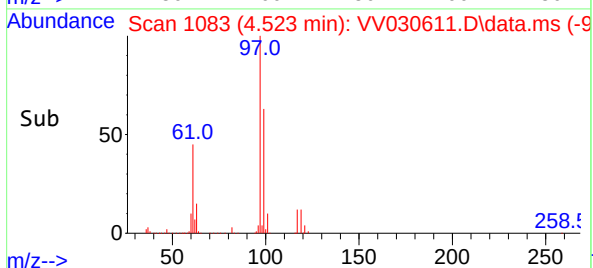
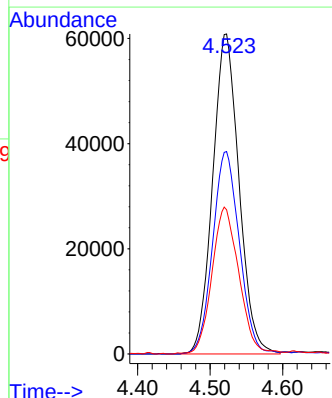
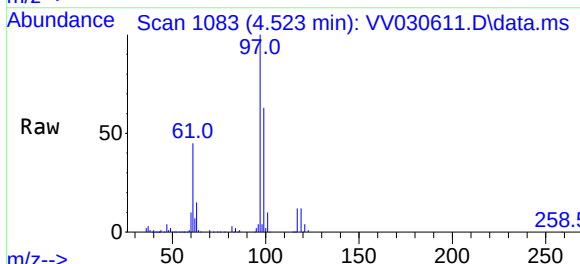
Tgt Ion: 97 Resp: 153401

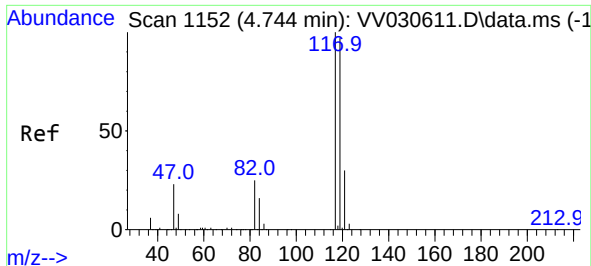
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

61 46.0 37.0 55.6

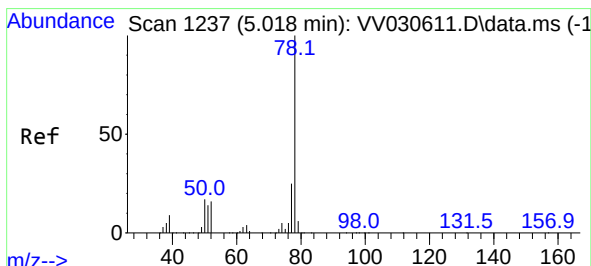
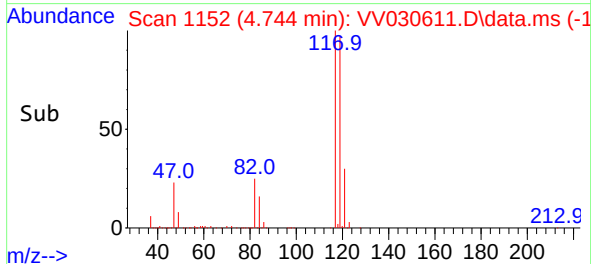
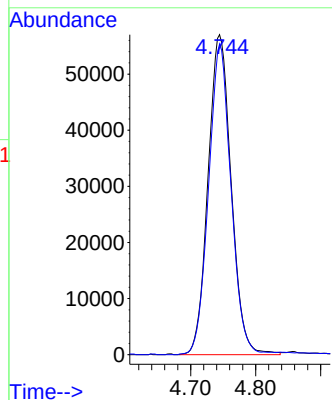
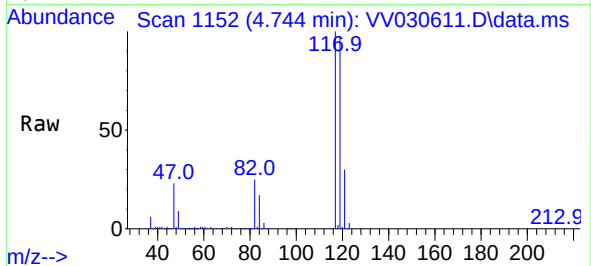




#31
Carbon tetrachloride
Concen: 49.018 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

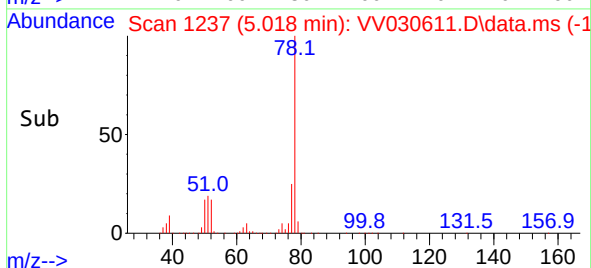
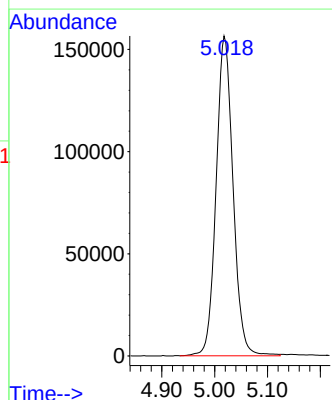
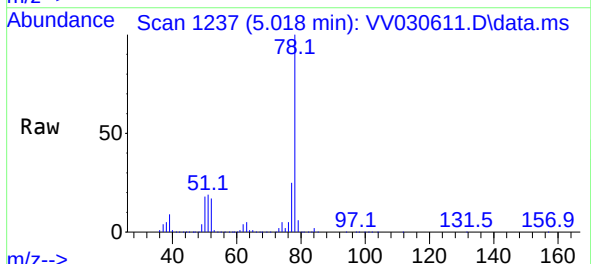
Instrument : MSVOA_V
ClientSampleId : VSTD050289

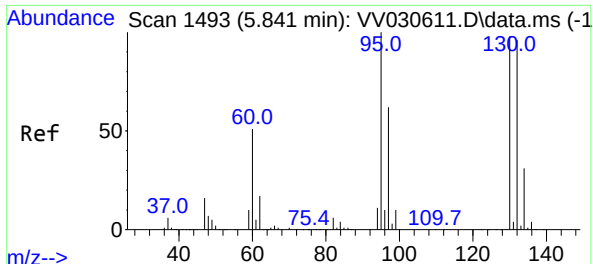
Tgt Ion:117 Resp: 140853
Ion Ratio Lower Upper
117 100
119 93.9 75.9 113.9



#33
Benzene
Concen: 50.092 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 78 Resp: 347923



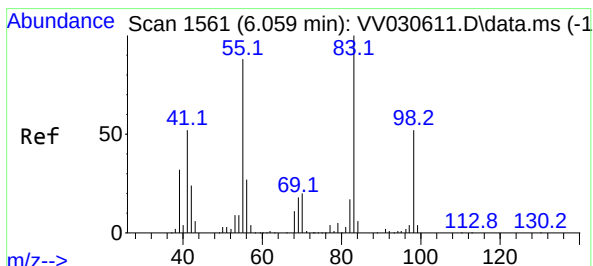
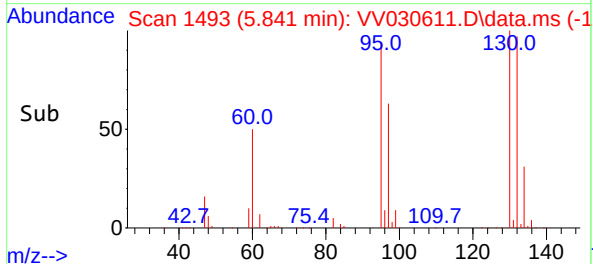
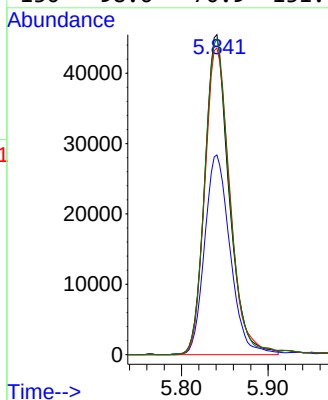
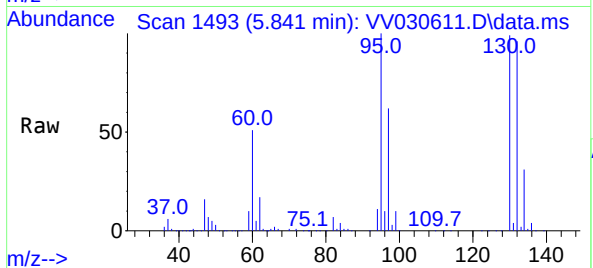


#34
 Trichloroethene
 Concen: 49.053 ug/L
 RT: 5.841 min Scan# 1493
 Delta R.T. 0.000 min
 Lab File: VV030611.D
 Acq: 18 Apr 2023 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050289

Tgt Ion: 95 Resp: 88621

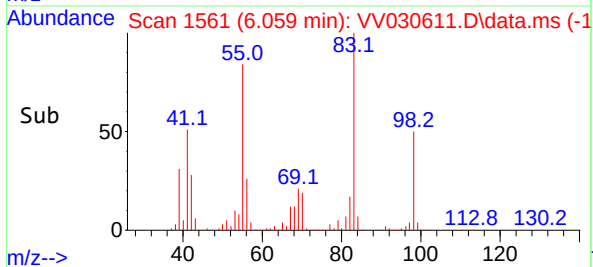
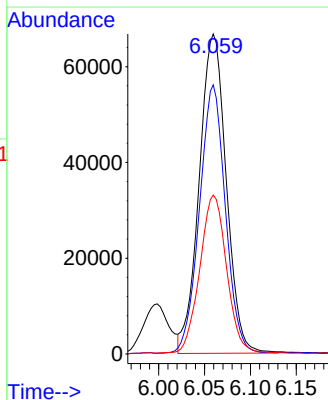
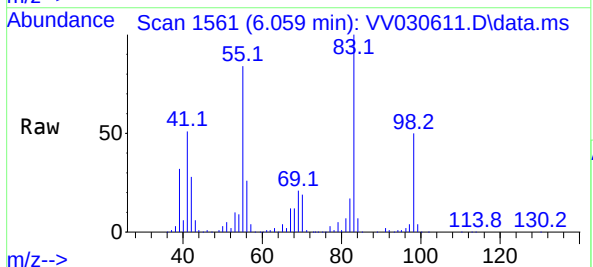
Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.8	85.2
132	95.9	70.6	131.2
130	98.6	70.9	131.7

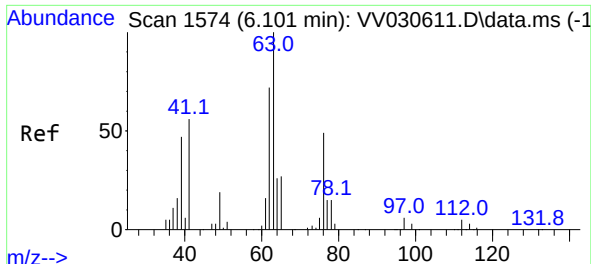


#35
 Methylcyclohexane
 Concen: 48.314 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. 0.000 min
 Lab File: VV030611.D
 Acq: 18 Apr 2023 12:21

Tgt Ion: 83 Resp: 136769

Ion	Ratio	Lower	Upper
83	100		
55	80.7	65.5	98.3
98	49.5	38.7	58.1

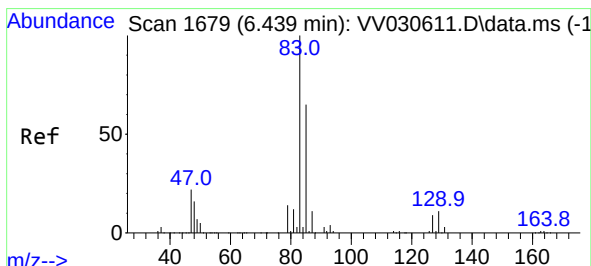
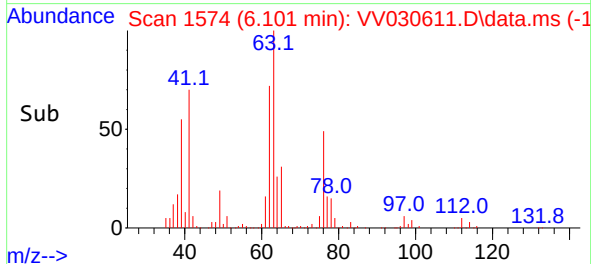
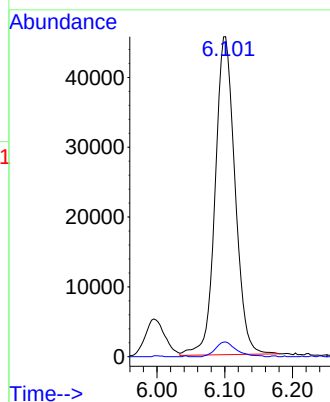
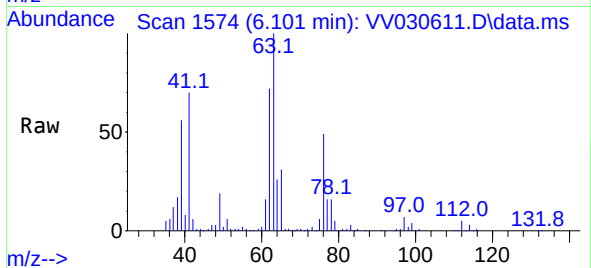




#37
1,2-Dichloropropane
Concen: 49.568 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

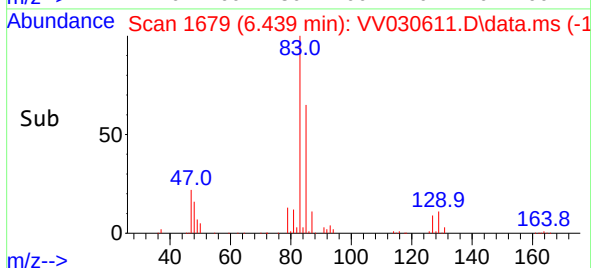
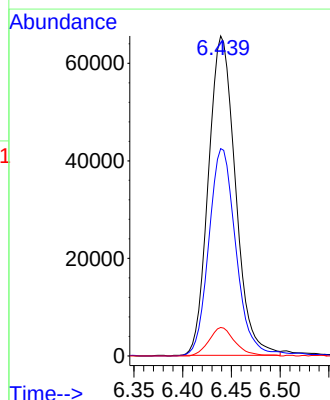
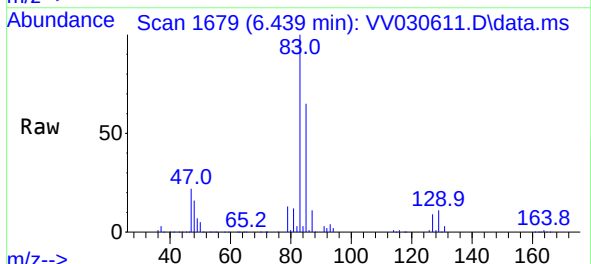
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

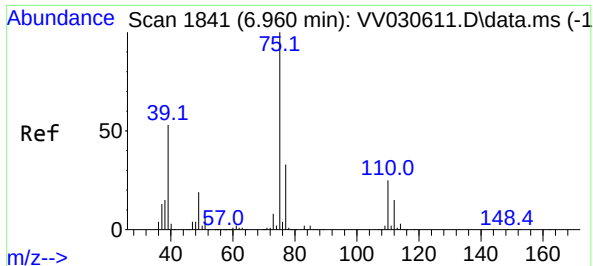
Tgt Ion: 63 Resp: 92665
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.8



#38
Bromodichloromethane
Concen: 48.058 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 83 Resp: 126205
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4
127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 44.704 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

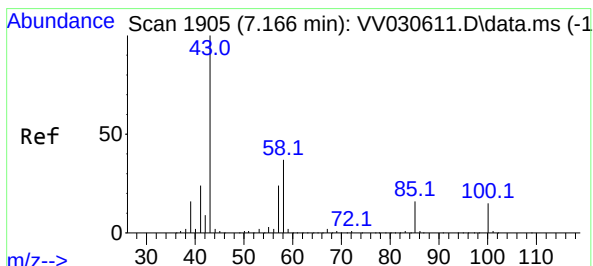
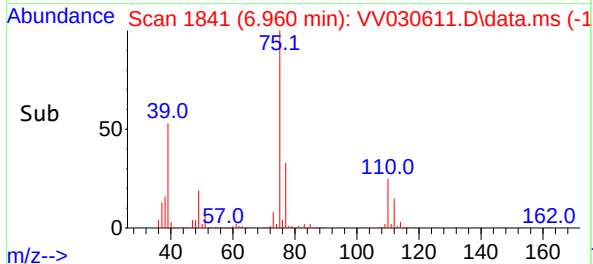
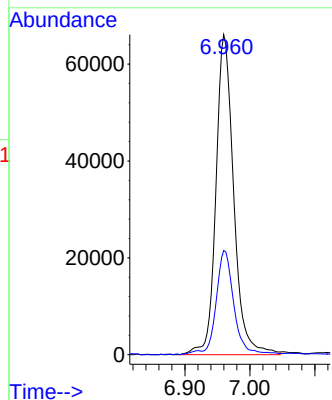
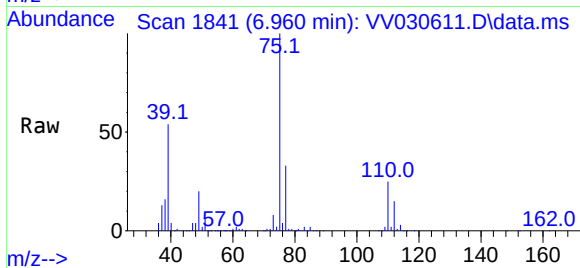
VSTD050289

Tgt Ion: 75 Resp: 125431

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 102.960 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

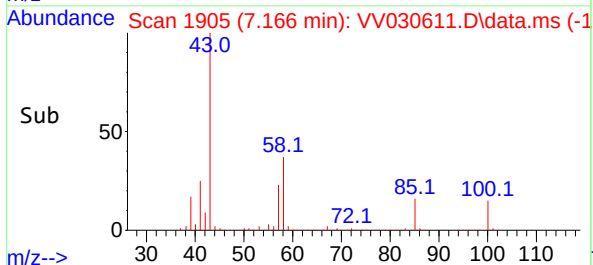
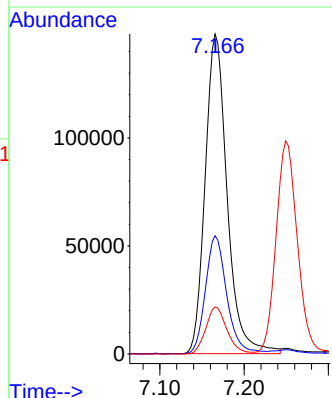
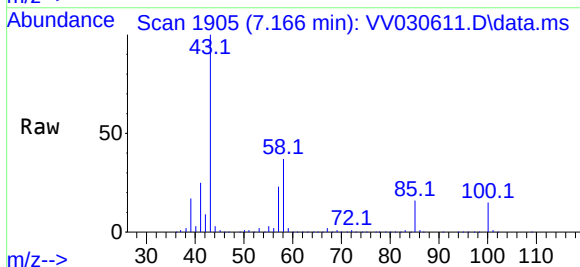
Tgt Ion: 43 Resp: 268871

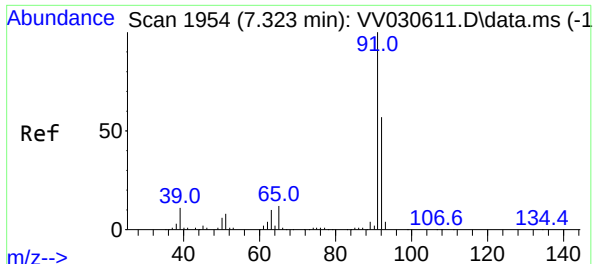
Ion Ratio Lower Upper

43 100

58 35.8 29.2 43.8

100 14.2 11.3 16.9





#42

Toluene

Concen: 51.874 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

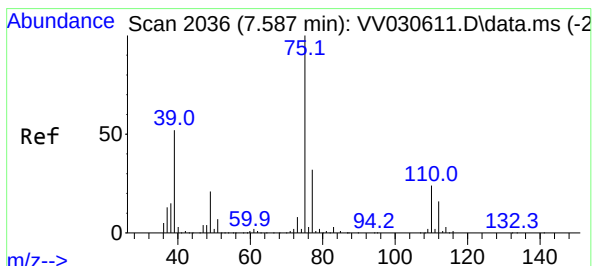
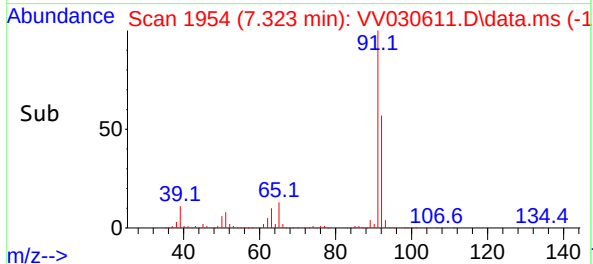
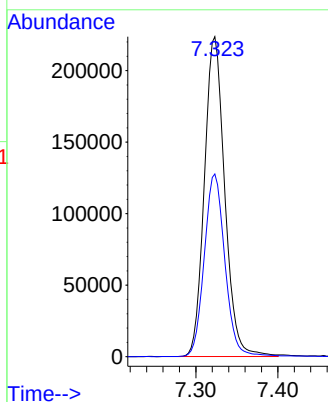
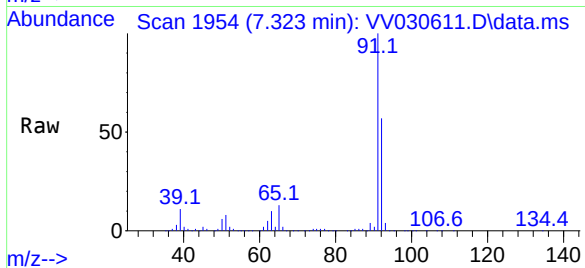
VSTD050289

Tgt Ion: 91 Resp: 385913

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 46.486 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030611.D

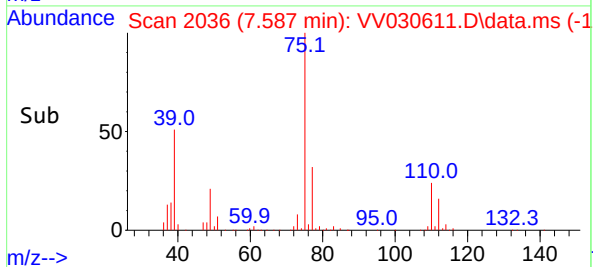
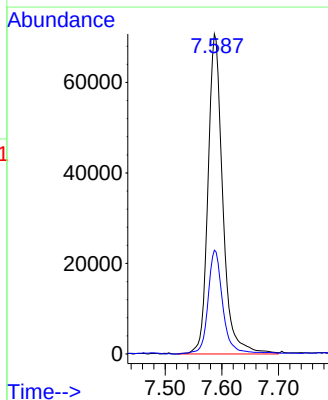
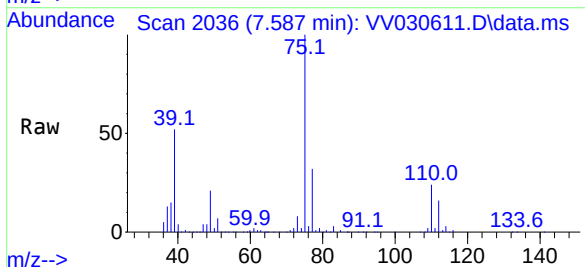
Acq: 18 Apr 2023 12:21

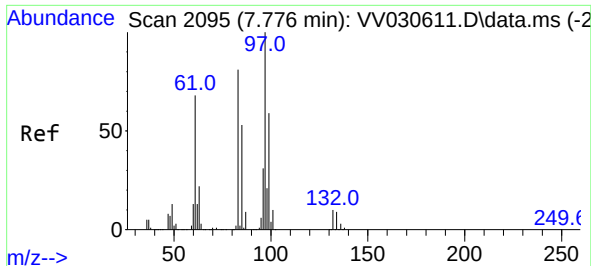
Tgt Ion: 75 Resp: 128145

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1

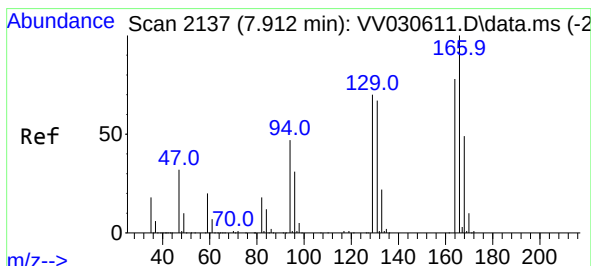
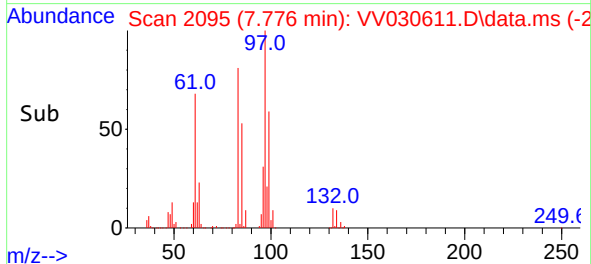
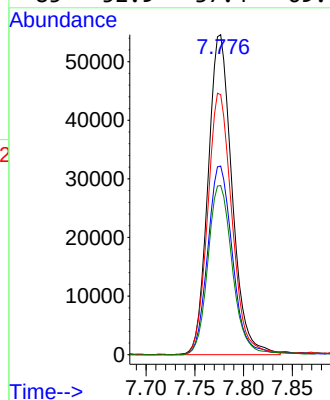
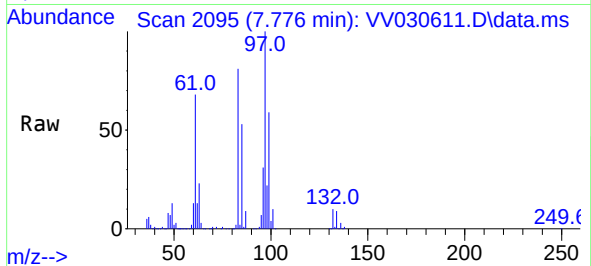




#45
1,1,2-Trichloroethane
Concen: 50.010 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

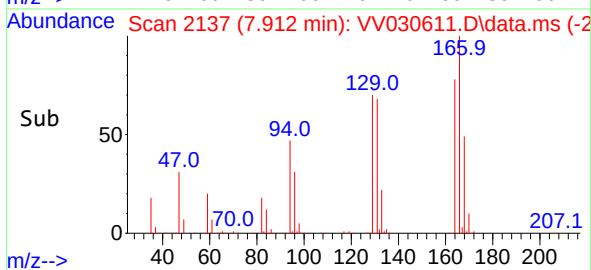
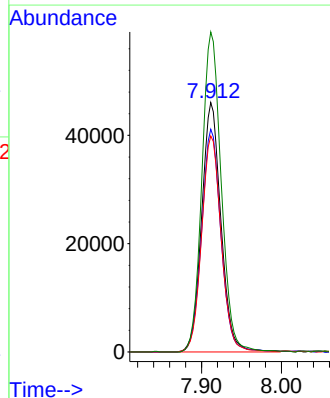
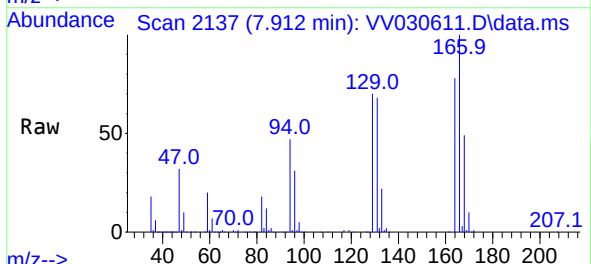
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

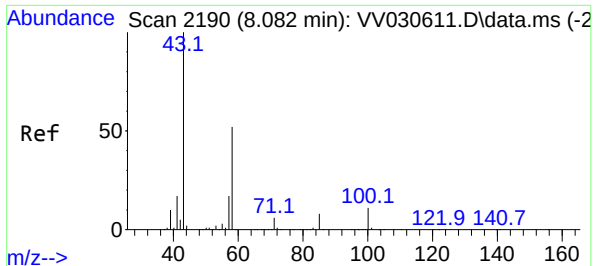
Tgt Ion: 97	Resp: 93748
Ion Ratio	Lower Upper
97 100	
99 58.9	43.8 81.4
83 81.3	59.6 110.6
85 52.9	37.4 69.4



#46
Tetrachloroethene
Concen: 48.955 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:164	Resp: 77415
Ion Ratio	Lower Upper
164 100	
129 89.3	63.8 118.6
131 86.6	60.3 111.9
166 128.3	89.5 166.1



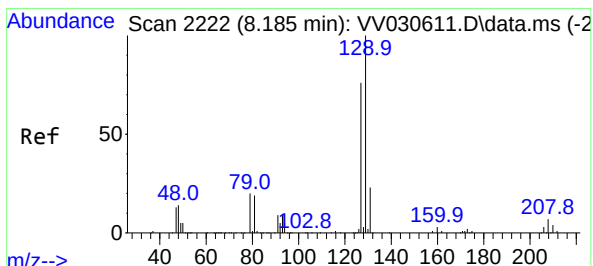
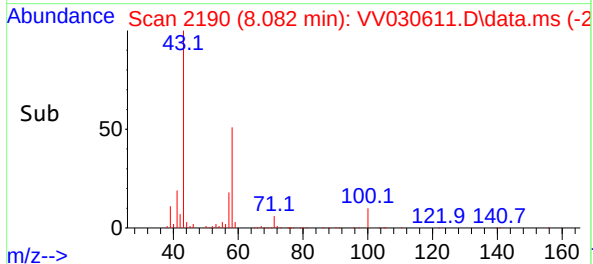
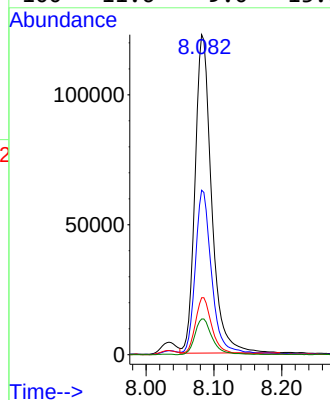
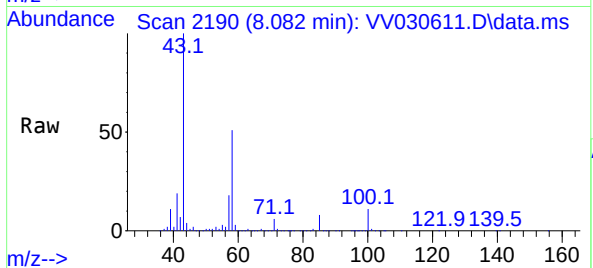


#48
2-Hexanone
Concen: 96.440 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

Tgt Ion: 43 Resp: 207802

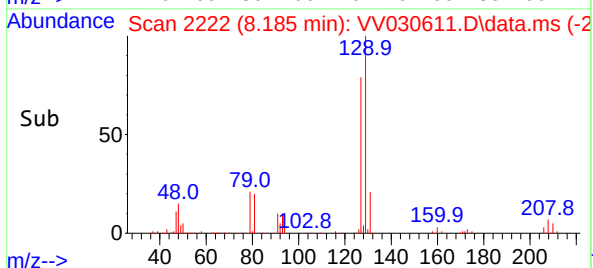
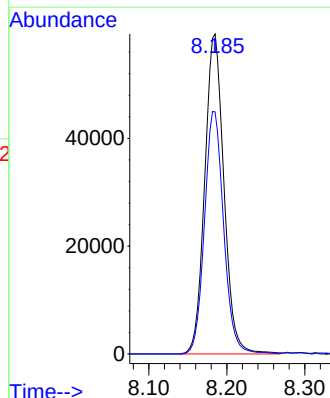
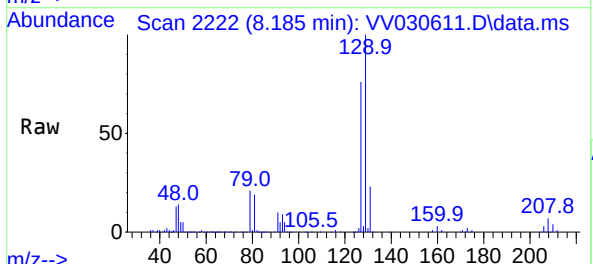
Ion	Ratio	Lower	Upper
43	100		
58	48.6	41.4	62.0
57	17.4	14.9	22.3
100	11.6	9.0	13.6

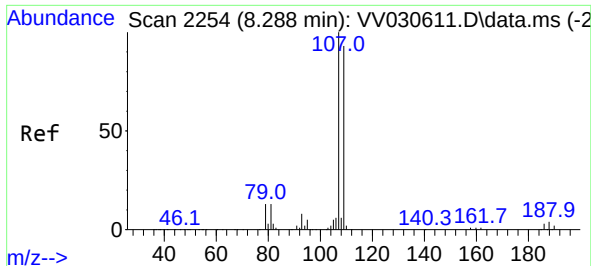


#49
Dibromochloromethane
Concen: 49.189 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 129 Resp: 101709

Ion	Ratio	Lower	Upper
129	100		
127	75.7	52.8	98.2



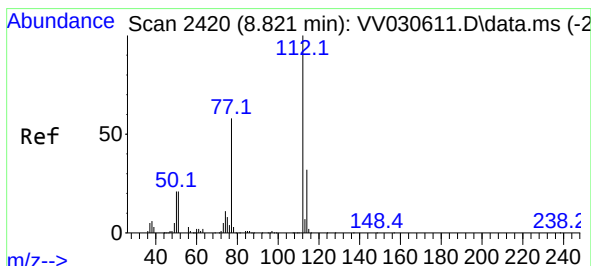
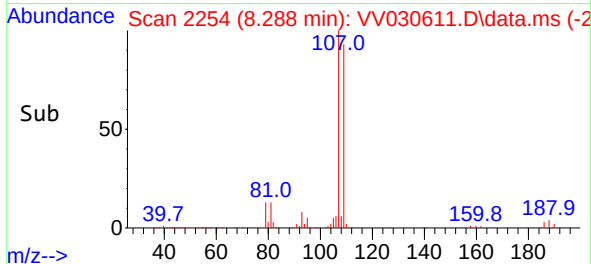
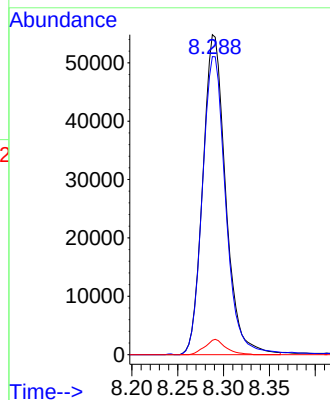
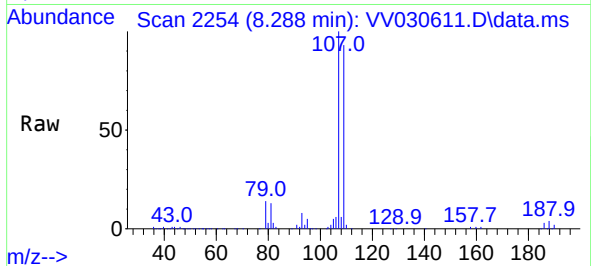


#50
1,2-Dibromoethane
Concen: 49.034 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

Tgt Ion:107 Resp: 95240

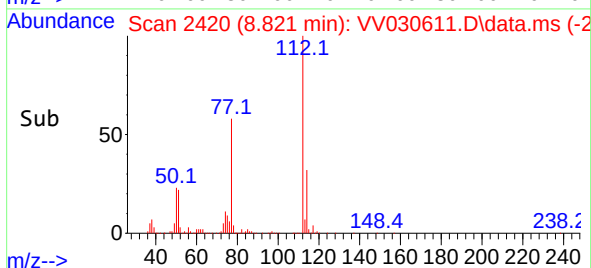
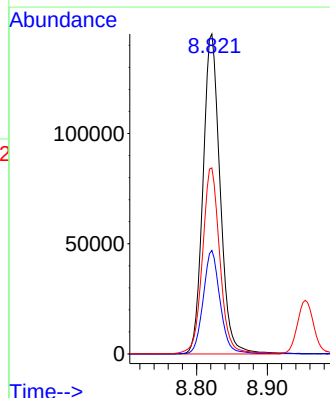
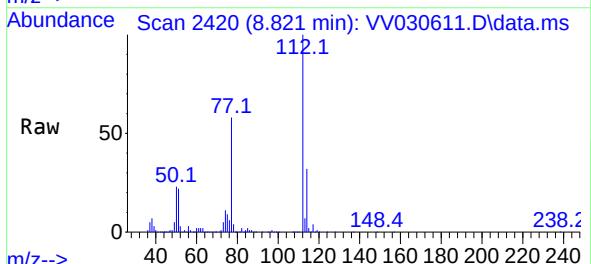
Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.7	121.9
188	4.5	3.2	4.8

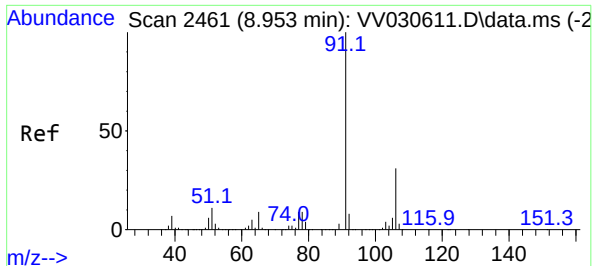


#51
Chlorobenzene
Concen: 49.384 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:112 Resp: 243318

Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.4	41.6
77	58.1	47.4	71.0





#52

Ethylbenzene

Concen: 50.392 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

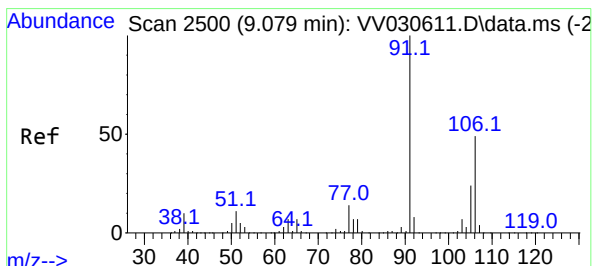
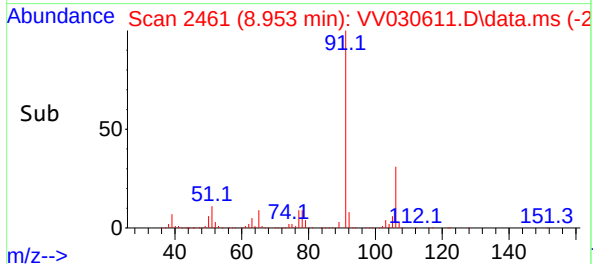
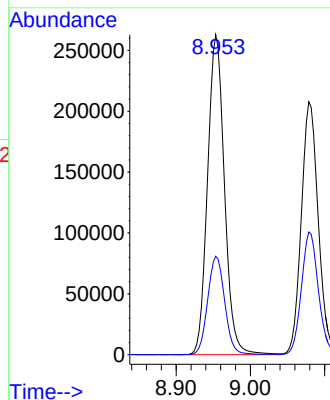
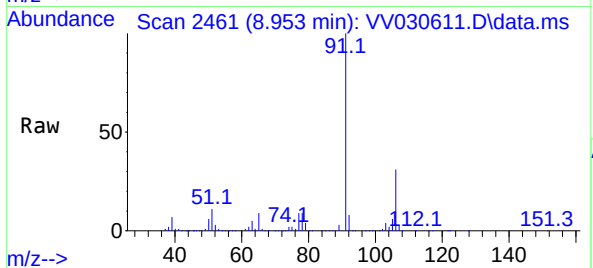
VSTD050289

Tgt Ion: 91 Resp: 415028

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



#53

m,p-Xylene

Concen: 51.219 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV030611.D

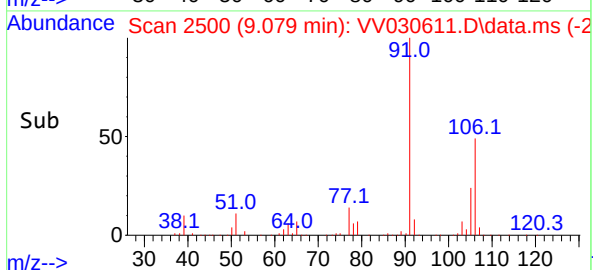
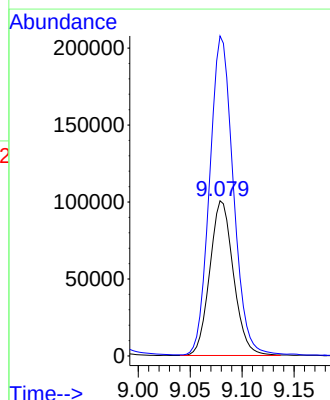
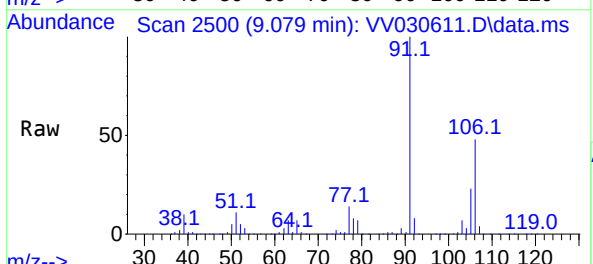
Acq: 18 Apr 2023 12:21

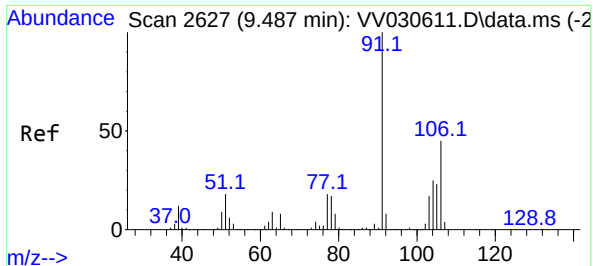
Tgt Ion:106 Resp: 159338

Ion Ratio Lower Upper

106 100

91 206.3 144.7 268.7

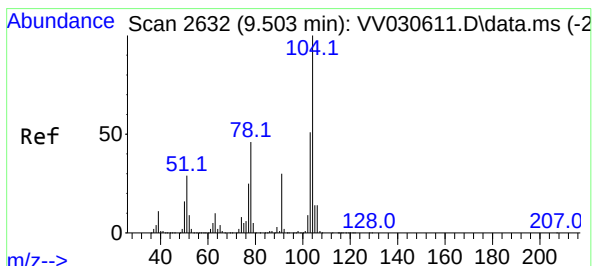
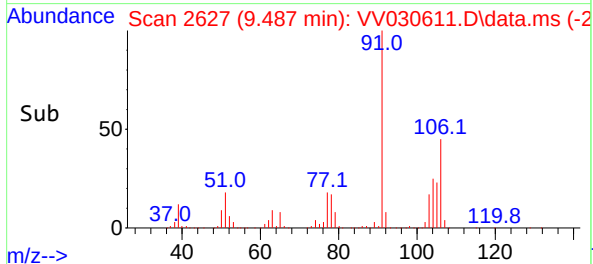
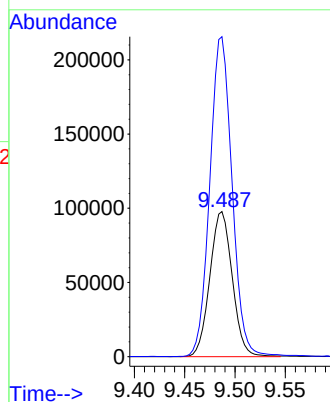
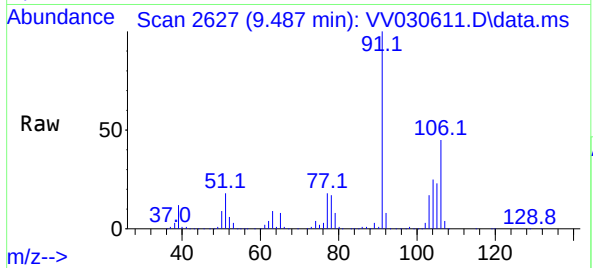




#54
o-Xylene
Concen: 49.906 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

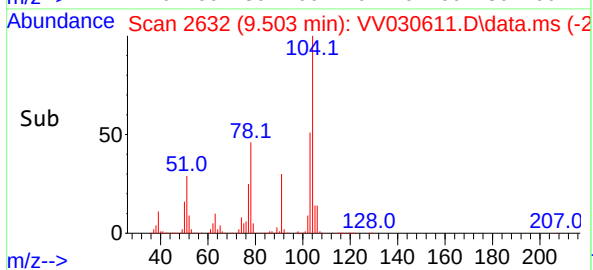
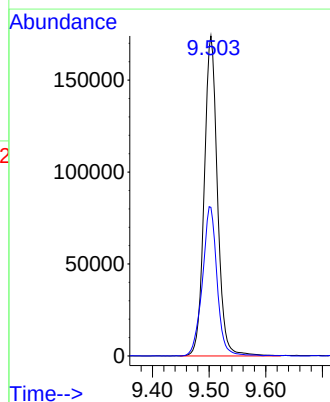
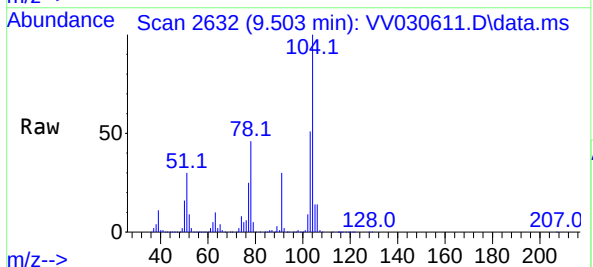
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

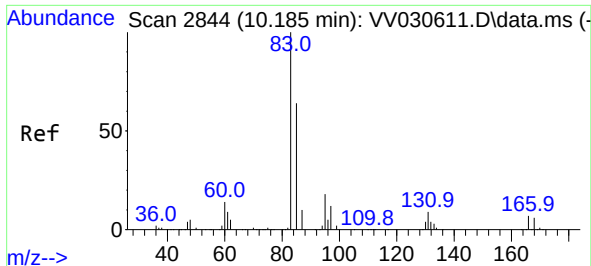
Tgt Ion:106 Resp: 151881
Ion Ratio Lower Upper
106 100
91 220.4 152.6 283.4



#55
Styrene
Concen: 52.975 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:104 Resp: 283198
Ion Ratio Lower Upper
104 100
78 46.5 32.3 59.9

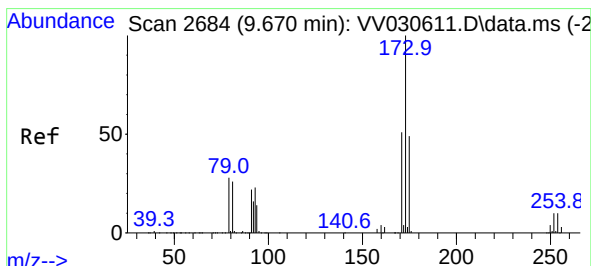
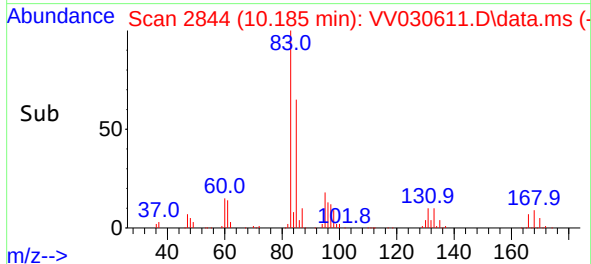
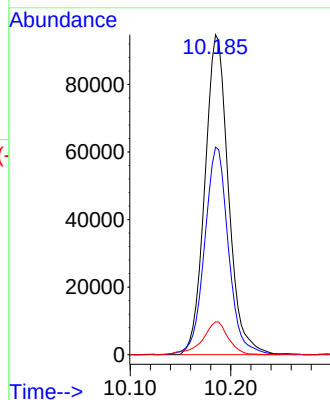
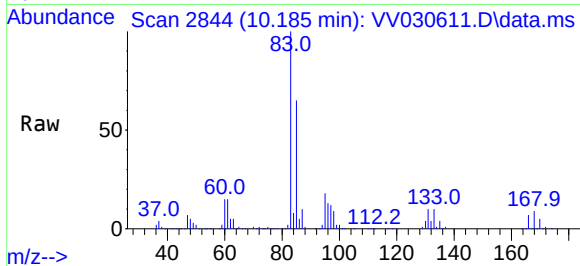




#57
1,1,2,2-Tetrachloroethane
Concen: 50.144 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

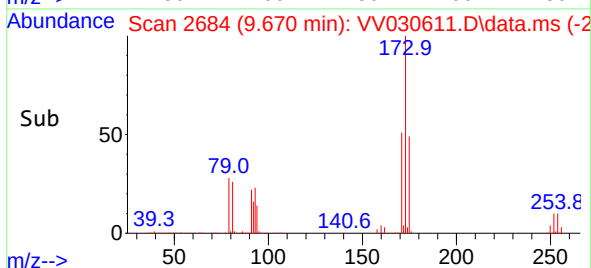
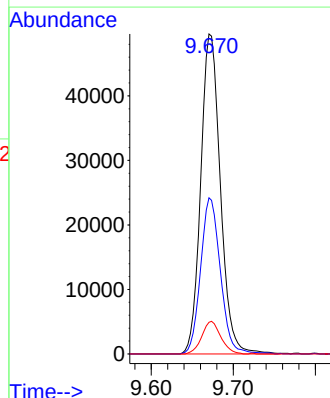
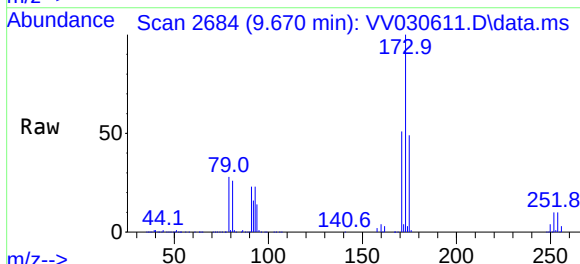
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

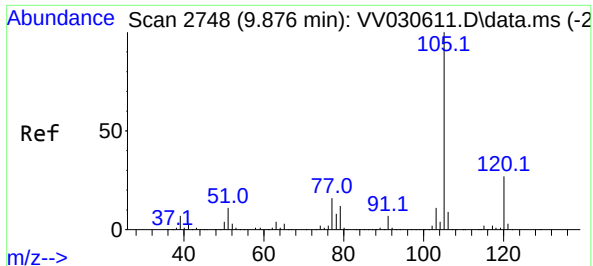
Tgt Ion: 83 Resp: 154331
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.7
131 10.3 8.0 12.0



#59
Bromoform
Concen: 49.877 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 173 Resp: 82563
Ion Ratio Lower Upper
173 100
175 49.1 38.8 58.2
254 9.9 8.2 12.4

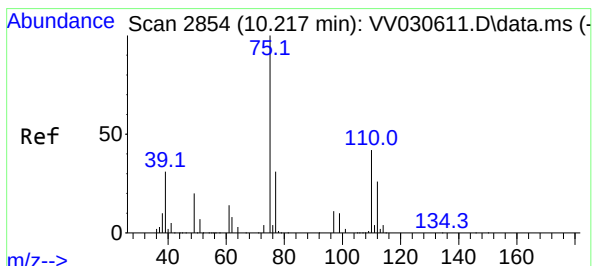
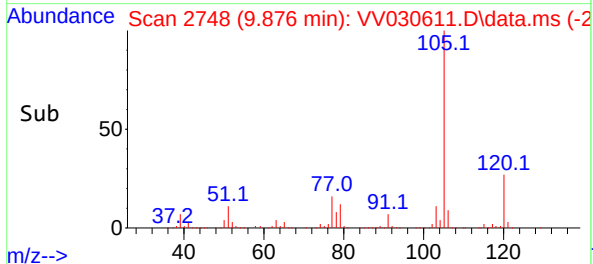
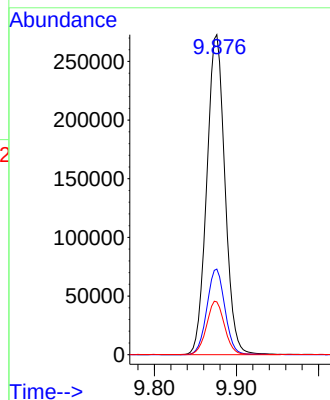
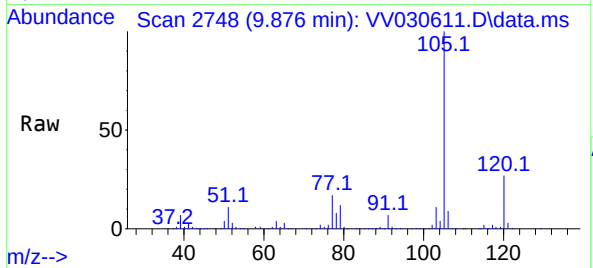




#60
Isopropylbenzene
Concen: 50.927 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

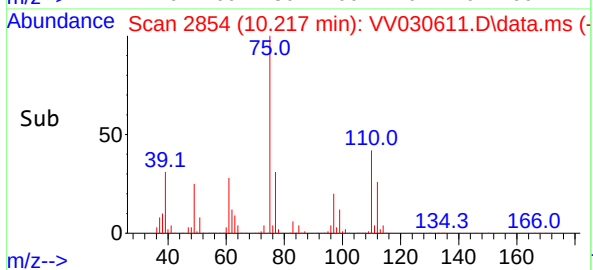
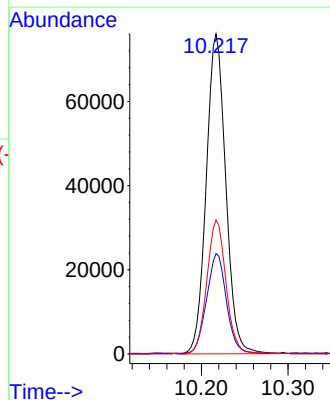
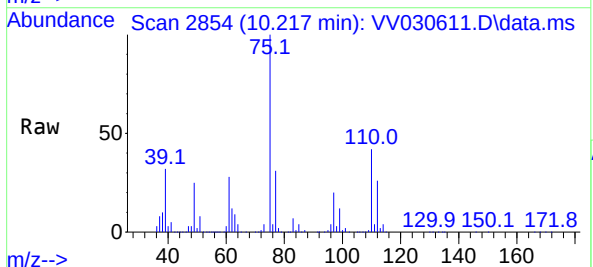
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

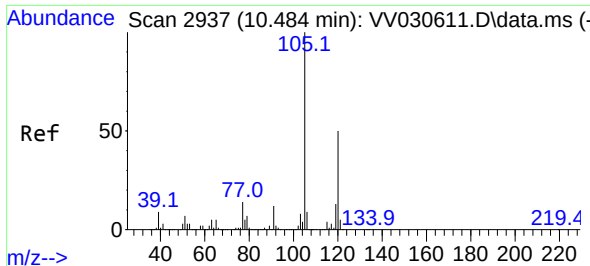
Tgt Ion:105 Resp: 419923
Ion Ratio Lower Upper
105 100
120 26.6 20.9 31.3
77 16.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 50.258 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion: 75 Resp: 119013
Ion Ratio Lower Upper
75 100
77 31.5 25.7 38.5
110 41.3 32.8 49.2

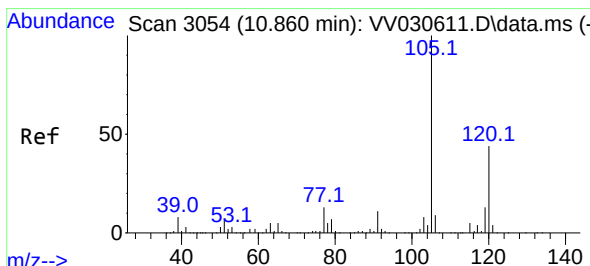
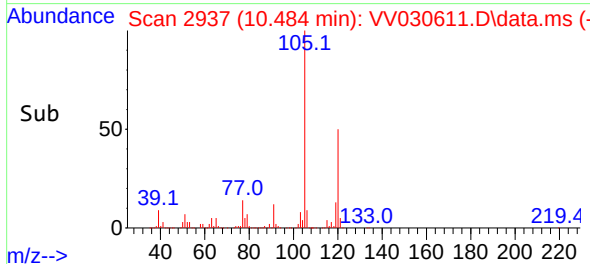
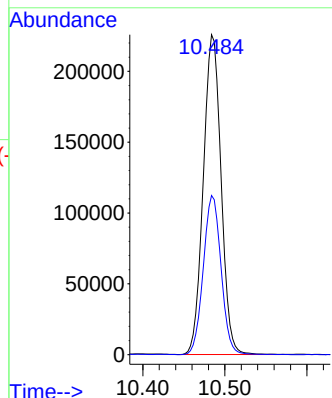
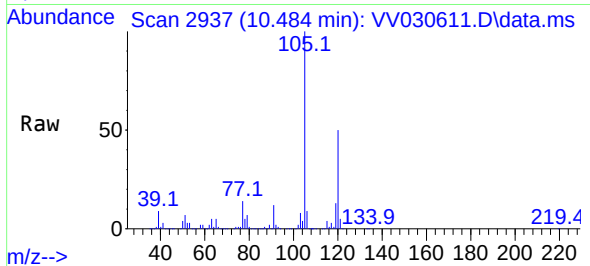




#62
1,3,5-Trimethylbenzene
Concen: 50.141 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

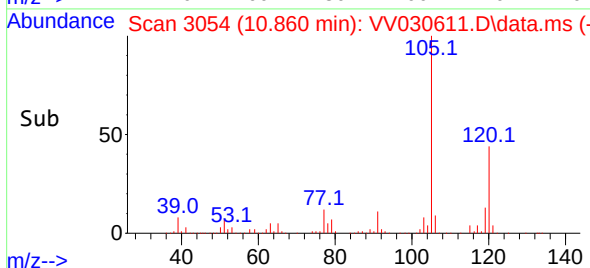
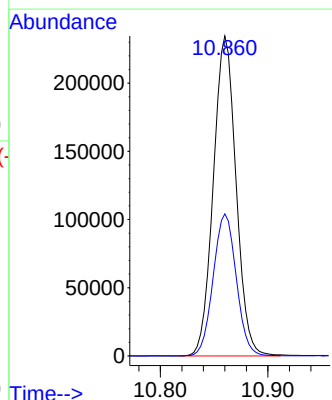
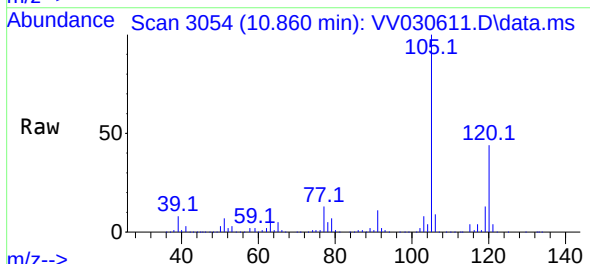
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

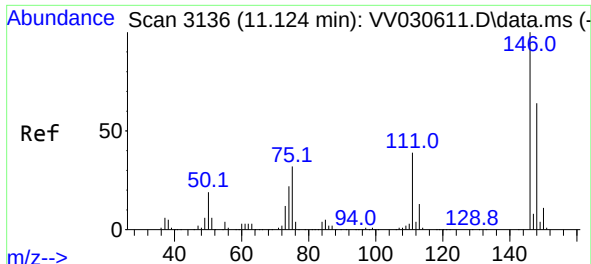
Tgt Ion:105 Resp: 340405
Ion Ratio Lower Upper
105 100
120 49.7 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 50.826 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:105 Resp: 344522
Ion Ratio Lower Upper
105 100
120 45.1 36.2 54.4

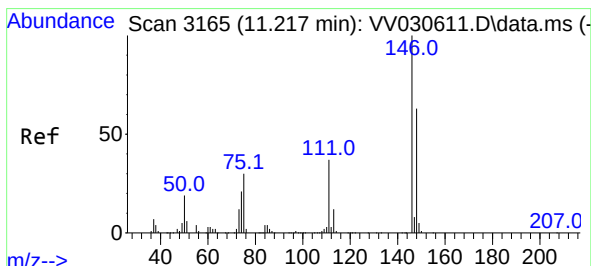
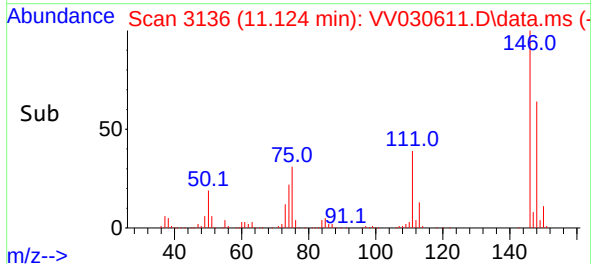
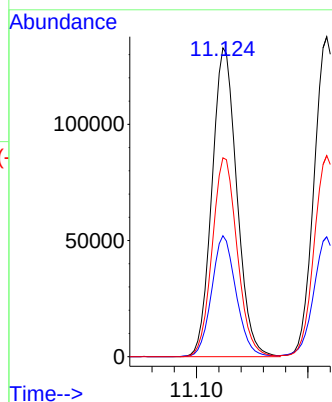
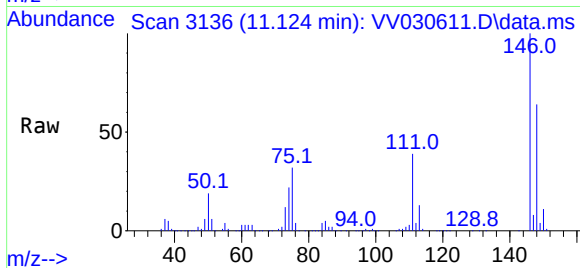




#64
1,3-Dichlorobenzene
Concen: 50.024 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

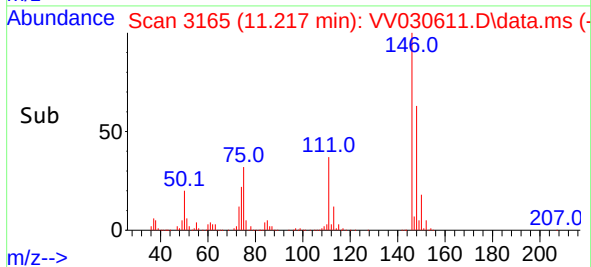
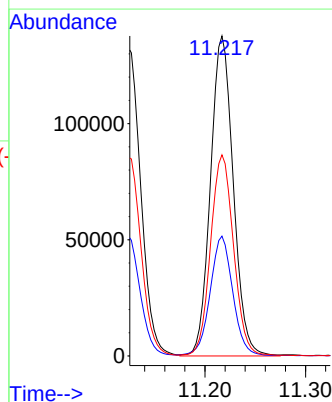
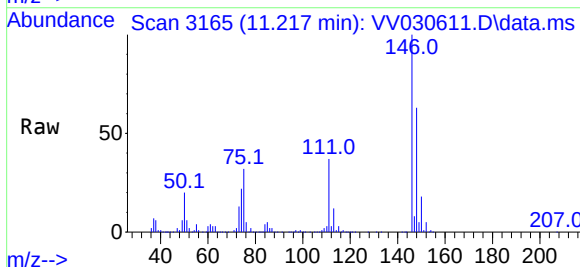
Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

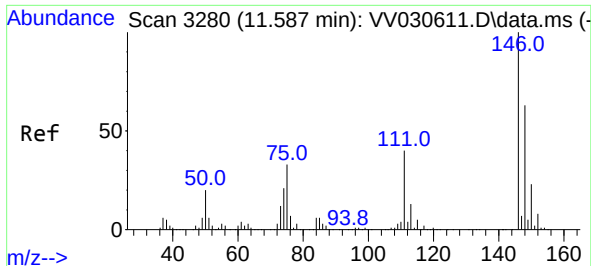
Tgt Ion:146 Resp: 206511
Ion Ratio Lower Upper
146 100
111 39.1 27.0 50.2
148 64.4 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 49.868 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:146 Resp: 217085
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.1
148 62.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 51.471 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050289

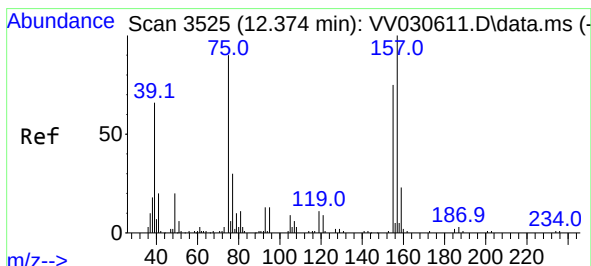
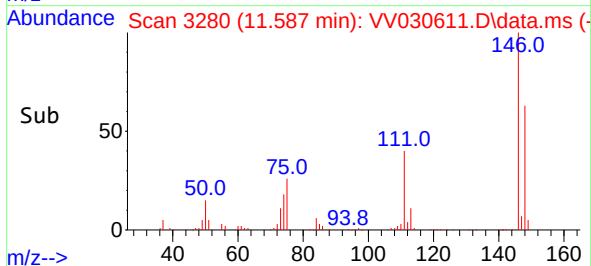
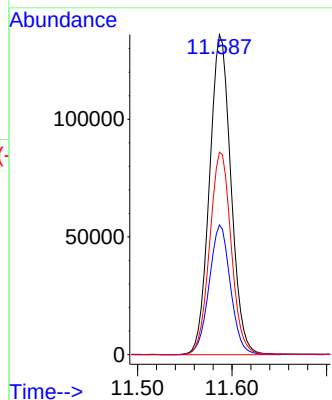
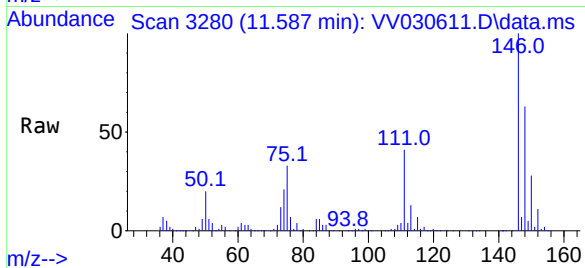
Tgt Ion:146 Resp: 214360

Ion Ratio Lower Upper

146 100

111 40.5 32.0 48.0

148 63.3 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 48.336 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

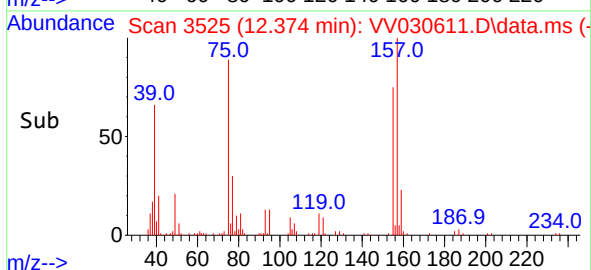
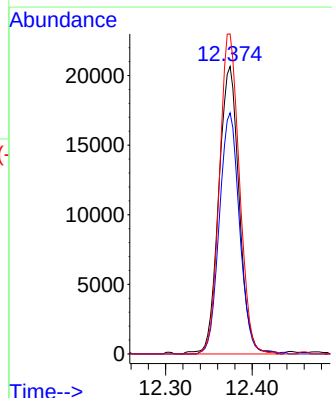
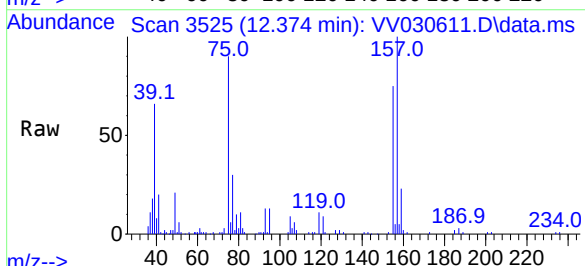
Tgt Ion: 75 Resp: 33912

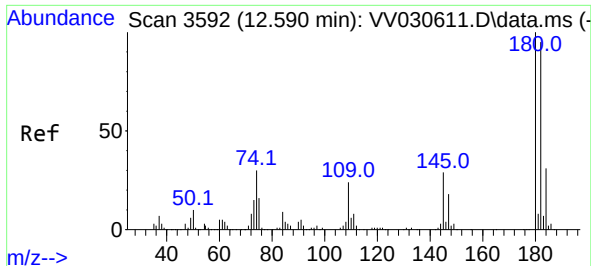
Ion Ratio Lower Upper

75 100

155 83.9 65.0 97.6

157 111.3 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 48.665 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.003 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050289

Tgt Ion:180 Resp: 151762

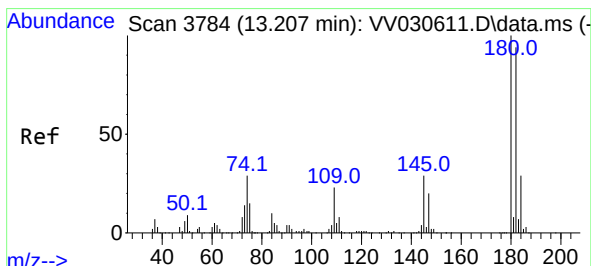
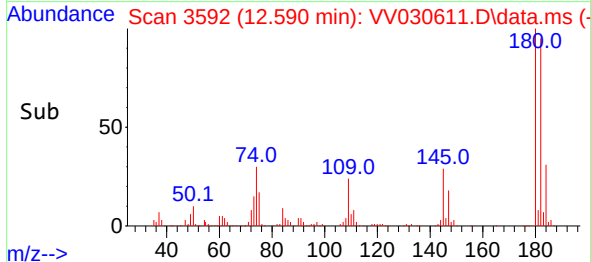
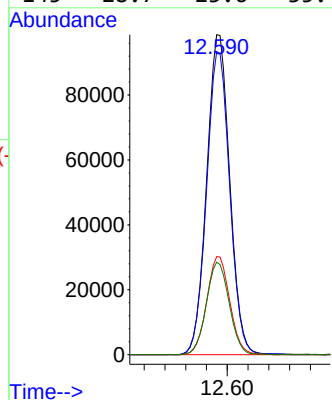
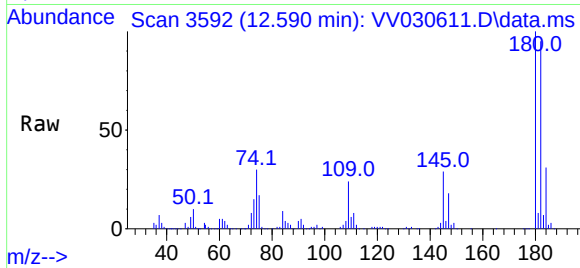
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

184 30.6 24.1 36.1

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 47.268 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030611.D

Acq: 18 Apr 2023 12:21

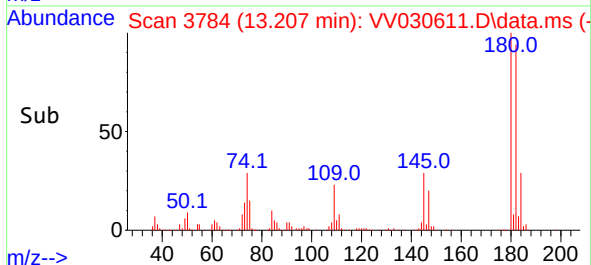
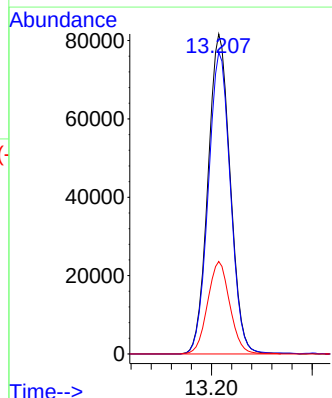
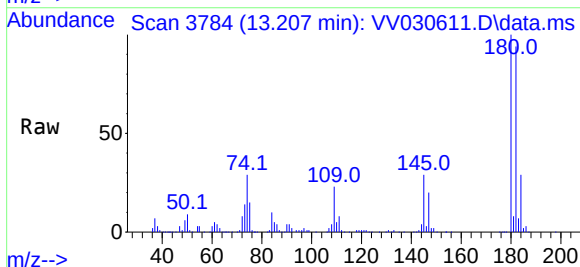
Tgt Ion:180 Resp: 125156

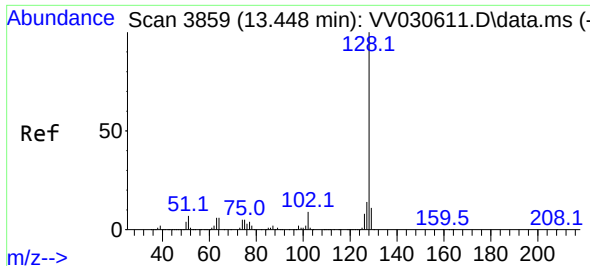
Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

145 28.9 23.4 35.2



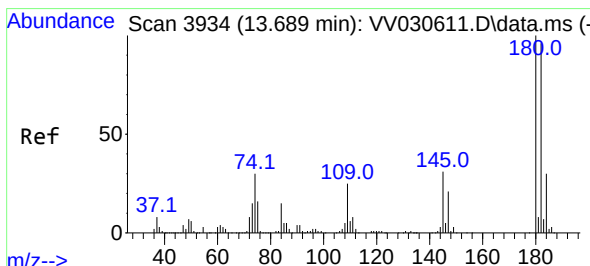
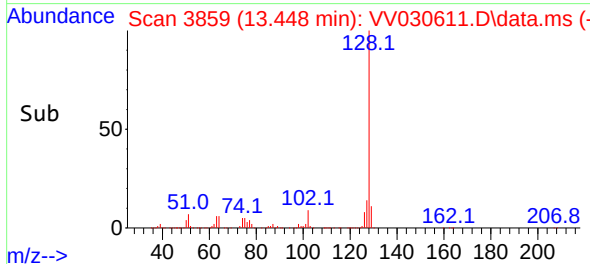
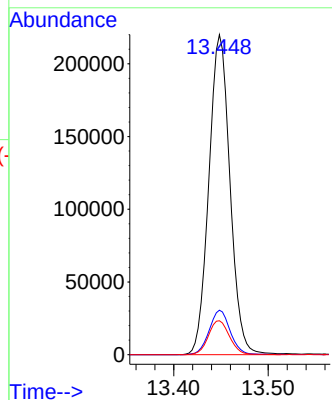
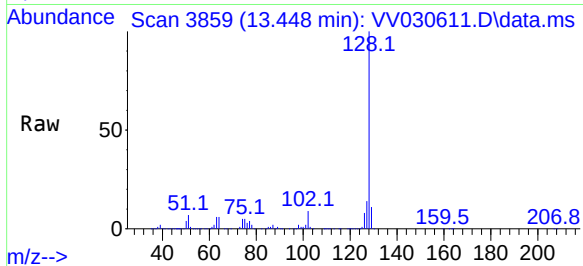


#71
Naphthalene
Concen: 47.192 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD050289

Tgt Ion:128 Resp: 341813

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.7	16.1
129	10.6	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.530 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030611.D
Acq: 18 Apr 2023 12:21

Tgt Ion:180 Resp: 132670

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	30.5	25.1	37.7

