

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051923\
 Data File : VV031148.D
 Acq On : 20 May 2023 08:52
 Operator : SY/MD
 Sample : 02865-22MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBX75MSD

Quant Time: May 22 00:16:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 01:55:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	262162	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	254361	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	141818	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	98669	44.039	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.080%
7) Chloroethane-d5	1.532	69	78908	45.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.440%
11) 1,1-Dichloroethene-d2	2.063	65	46874	44.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.220%
21) 2-Butanone-d5	3.793	46	121227	101.544	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.540%
24) Chloroform-d	4.256	84	191191	48.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.480%
26) 1,2-Dichloroethane-d4	4.947	65	128776	48.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.160%
32) Benzene-d6	4.966	84	336756	48.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.680%
36) 1,2-Dichloropropane-d6	5.995	67	97695	47.351	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.700%
41) Toluene-d8	7.249	98	317379	49.315	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.640%
43) trans-1,3-Dichloroprop...	7.558	79	50207	48.503	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.000%
47) 2-Hexanone-d5	8.030	63	80536	100.115	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.110%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	151277	48.885	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.780%
66) 1,2-Dichlorobenzene-d4	11.567	152	132092	51.832	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	75710	44.733	ug/L	99
3) Chloromethane	1.217	50	93865	50.658	ug/L	99
5) Vinyl chloride	1.285	62	79740	48.181	ug/L	100
6) Bromomethane	1.481	94	40547	43.716	ug/L	99
8) Chloroethane	1.548	64	50851	47.682	ug/L	97
9) Trichlorofluoromethane	1.716	101	154070	47.330	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	77449	45.117	ug/L	95
12) 1,1-Dichloroethene	2.073	96	68795	47.241	ug/L	93
13) Acetone	2.114	43	118930	76.627	ug/L	99
14) Carbon disulfide	2.246	76	124341	46.854	ug/L	99
15) Methyl Acetate	2.375	43	65324	37.033	ug/L	99
16) Methylene chloride	2.452	84	77673	47.910	ug/L	99
17) trans-1,2-Dichloroethene	2.700	96	64839	48.157	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	269888	51.889	ug/L	99
19) 1,1-Dichloroethane	3.118	63	149388	48.685	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	85357	51.426	ug/L	99
22) 2-Butanone	3.873	43	131658	88.459	ug/L	98
23) Bromochloromethane	4.156	128	44450	48.733	ug/L	98
25) Chloroform	4.281	83	168099	49.041	ug/L	97

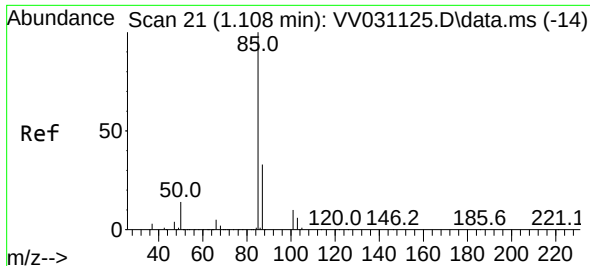
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051923\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147463	50.704	ug/L	99
29) Cyclohexane	4.593	56	95818	47.872	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	154181	49.397	ug/L	99
31) Carbon tetrachloride	4.741	117	132286	48.649	ug/L	99
33) Benzene	5.015	78	305183	50.081	ug/L	100
34) Trichloroethene	5.838	95	176429	108.053	ug/L	98
35) Methylcyclohexane	6.056	83	99346	45.852	ug/L	100
37) 1,2-Dichloropropane	6.101	63	81131	48.372	ug/L	98
38) Bromodichloromethane	6.439	83	127874	49.183	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	119164	46.075	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	268652	104.092	ug/L	100
42) Toluene	7.323	91	334893	50.795	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	127644	48.786	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	91209	49.835	ug/L	98
46) Tetrachloroethene	7.912	164	65955	47.042	ug/L	92
48) 2-Hexanone	8.082	43	213106	99.135	ug/L	97
49) Dibromochloromethane	8.182	129	101565	49.184	ug/L	96
50) 1,2-Dibromoethane	8.288	107	88948	48.882	ug/L	99
51) Chlorobenzene	8.821	112	227499	48.480	ug/L	99
52) Ethylbenzene	8.953	91	367938	48.743	ug/L	96
53) m,p-Xylene	9.079	106	140469	47.972	ug/L	98
54) o-Xylene	9.484	106	144225	49.929	ug/L	99
55) Styrene	9.503	104	258835	50.665	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	150443	50.028	ug/L	99
59) Bromoform	9.670	173	83572	50.822	ug/L	99
60) Isopropylbenzene	9.873	105	394332	51.991	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	116908	53.585	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	321290	51.535	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	321992	52.821	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	196395	50.535	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	203637	50.367	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	206819	52.448	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	33856	50.553	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	139141	46.315	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	121069	47.353	ug/L	100
71) Naphthalene	13.445	128	322584	48.574	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	127124	49.757	ug/L	98

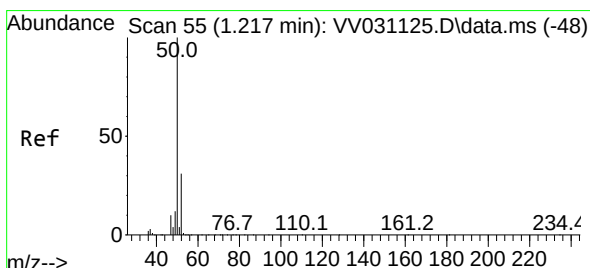
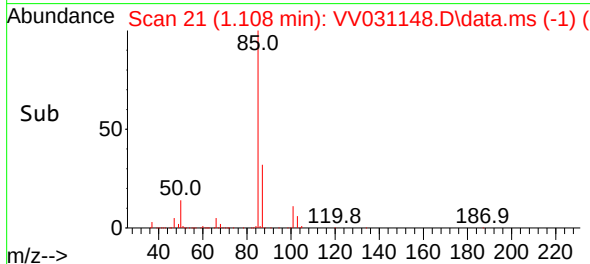
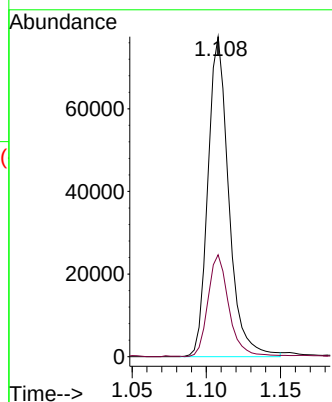
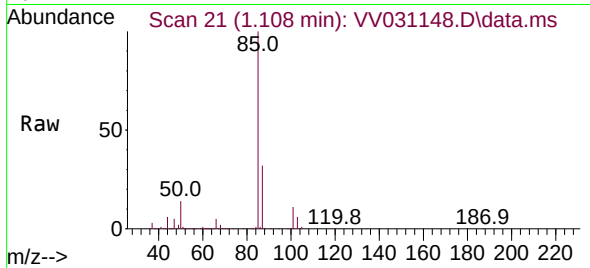
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 44.733 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

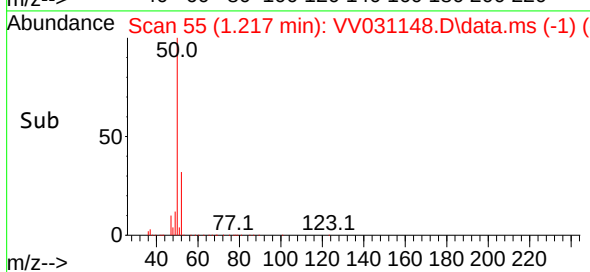
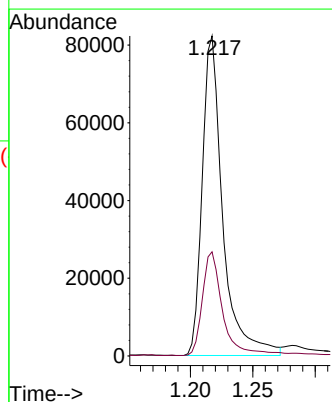
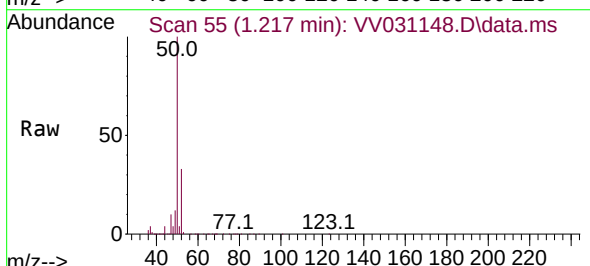
Instrument :
 MSVOA_V
 ClientSampleId :
 GBX75MSD

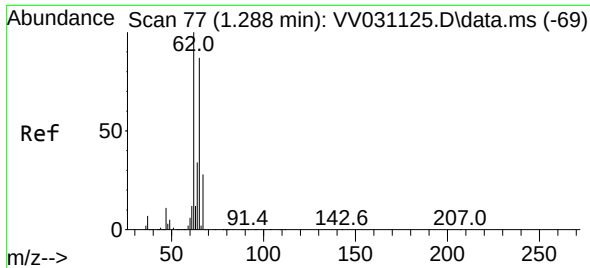
Tgt Ion: 85 Resp: 75710
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.2 37.8



#3
 Chloromethane
 Concen: 50.658 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

Tgt Ion: 50 Resp: 93865
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.3 43.3

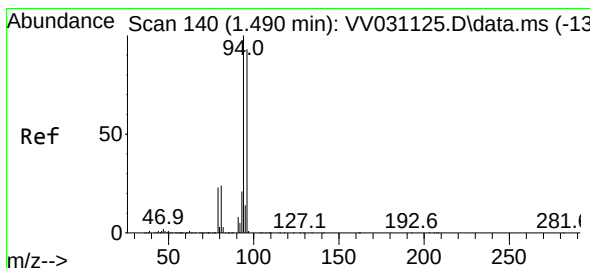
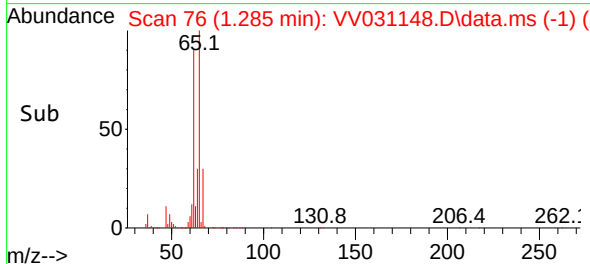
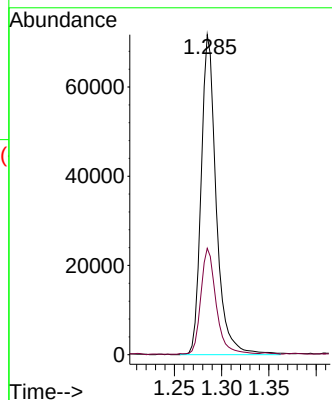
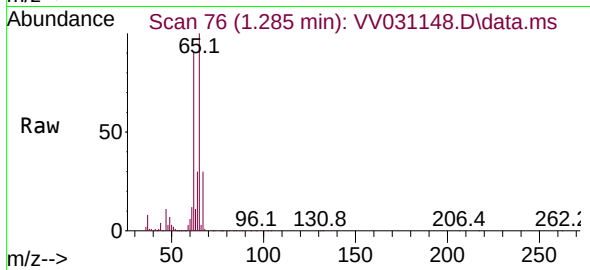




#5
 Vinyl chloride
 Concen: 48.181 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

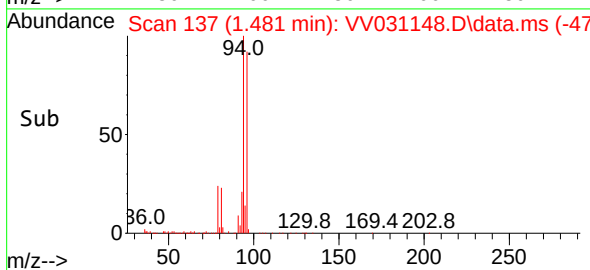
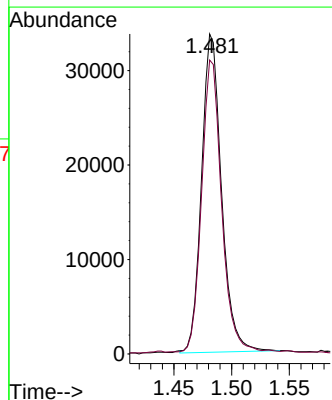
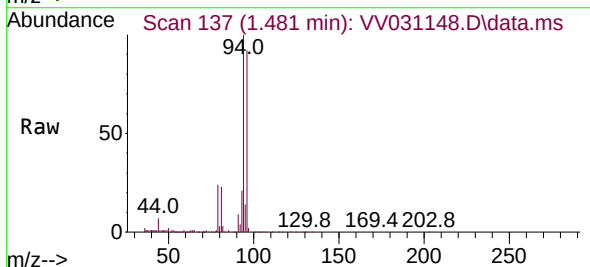
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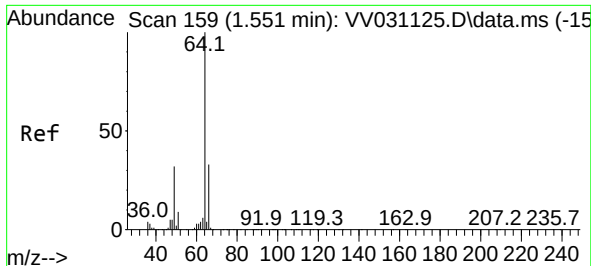
Tgt Ion: 62 Resp: 79740
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.1 42.9



#6
 Bromomethane
 Concen: 43.716 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.009 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

Tgt Ion: 94 Resp: 40547
 Ion Ratio Lower Upper
 94 100
 96 91.8 63.9 118.7

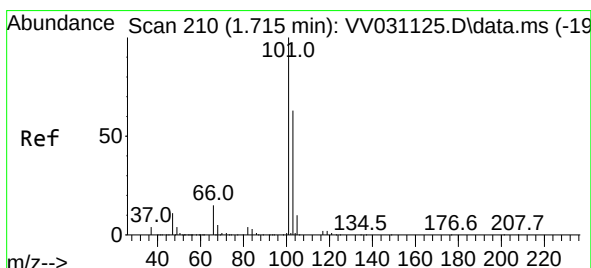
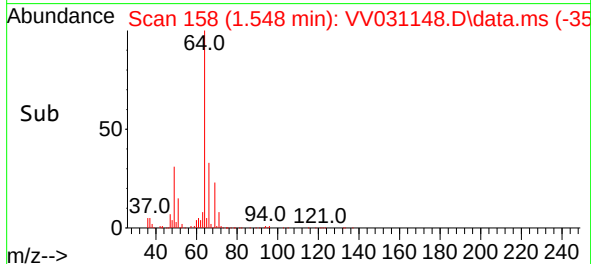
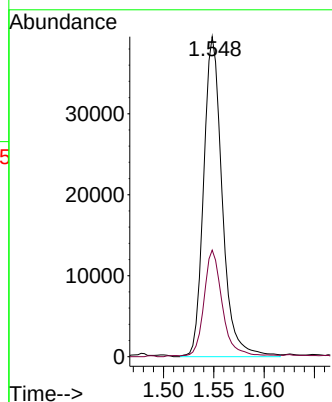
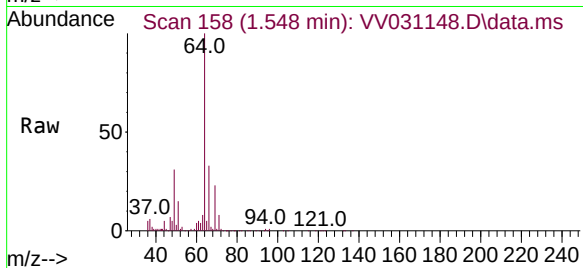




#8
Chloroethane
Concen: 47.682 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

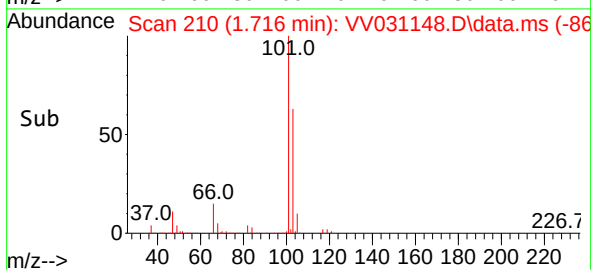
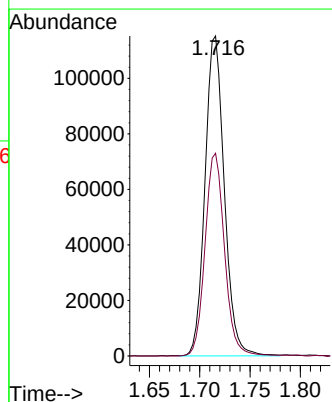
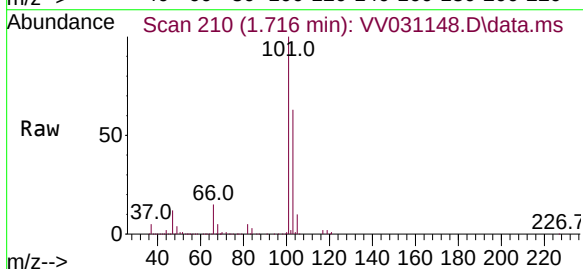
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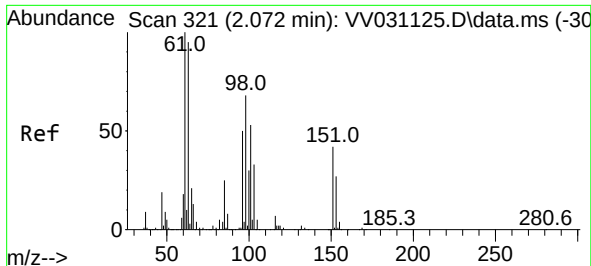
Tgt Ion: 64 Resp: 50851
Ion Ratio Lower Upper
64 100
66 33.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.330 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion:101 Resp: 154070
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.117 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

GBX75MSD

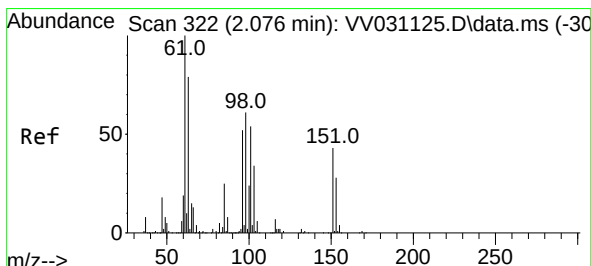
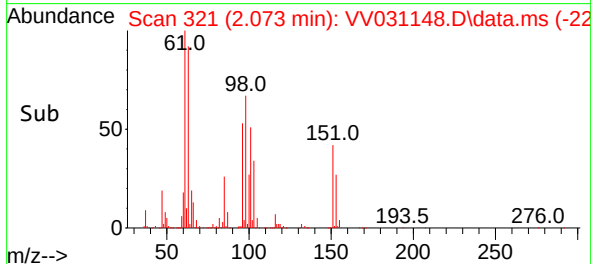
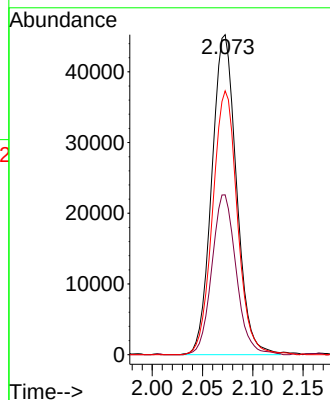
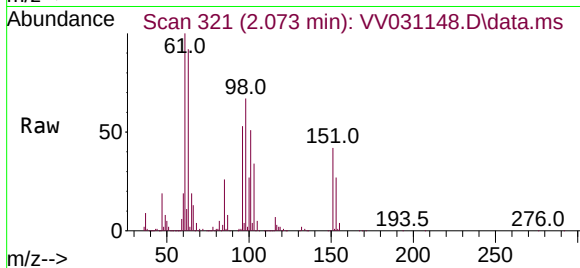
Tgt Ion:101 Resp: 77449

Ion Ratio Lower Upper

101 100

85 49.1 38.0 57.0

151 82.6 61.7 92.5



#12

1,1-Dichloroethene

Concen: 47.241 ug/L

RT: 2.073 min Scan# 321

Delta R.T. -0.003 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

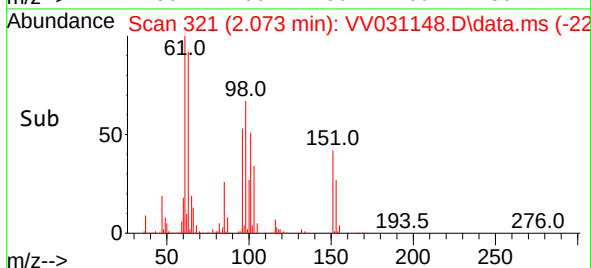
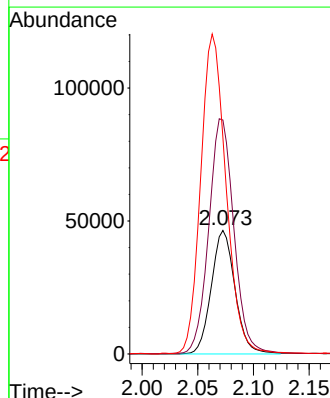
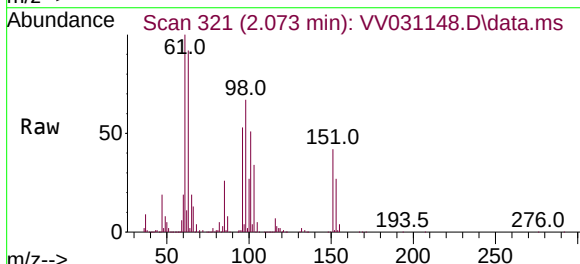
Tgt Ion: 96 Resp: 68795

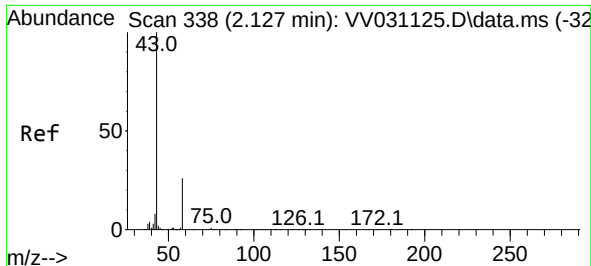
Ion Ratio Lower Upper

96 100

61 189.3 137.9 256.1

63 174.9 114.2 212.0





#13

Acetone

Concen: 76.627 ug/L

RT: 2.114 min Scan# 311

Delta R.T. -0.013 min

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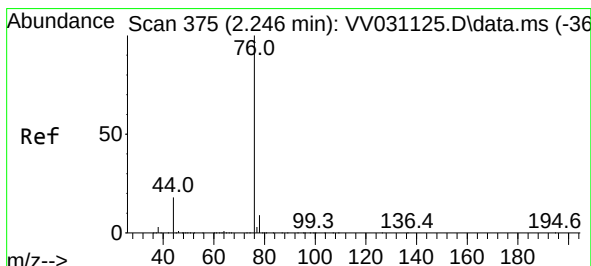
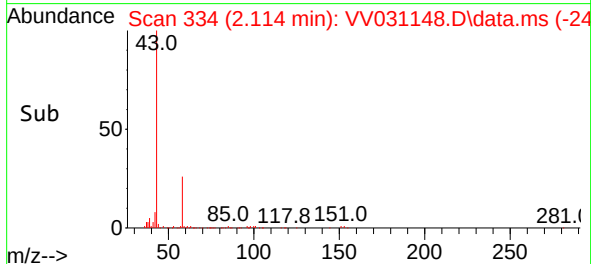
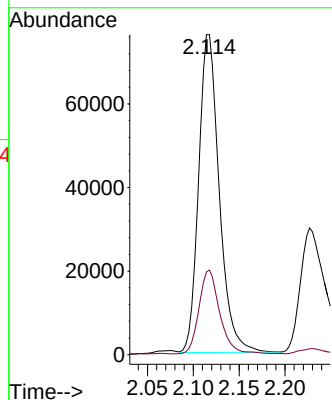
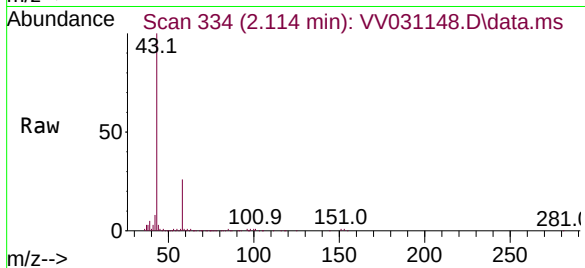
GBX75MSD

Tgt Ion: 43 Resp: 118930

Ion Ratio Lower Upper

43 100

58 26.4 0.0 54.0



#14

Carbon disulfide

Concen: 46.854 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031148.D

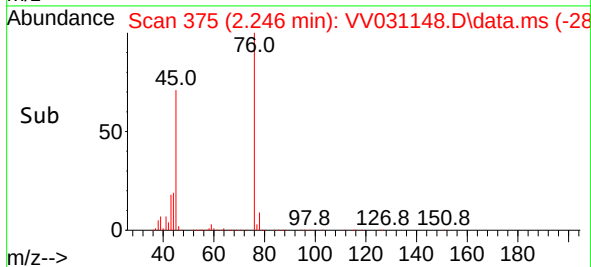
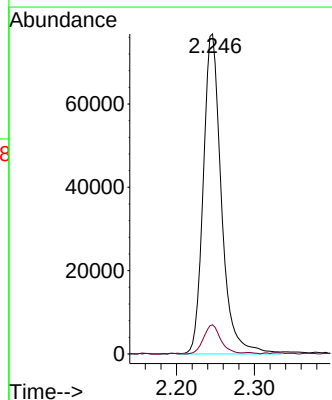
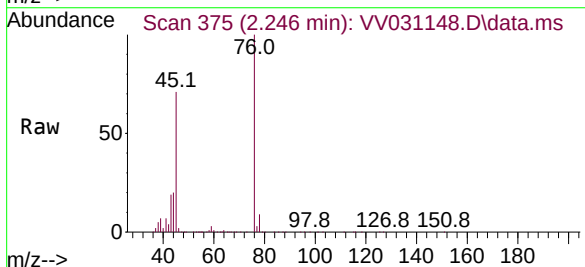
Acq: 20 May 2023 08:52

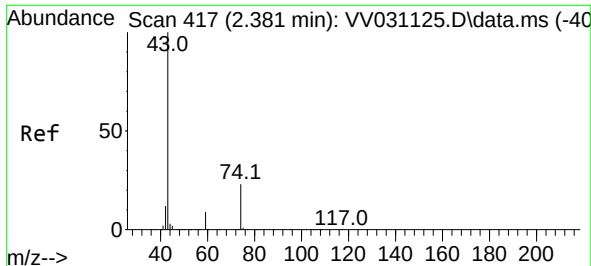
Tgt Ion: 76 Resp: 124341

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

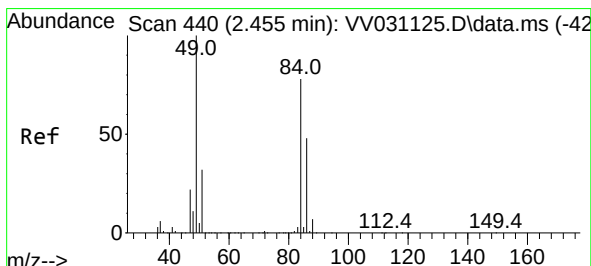
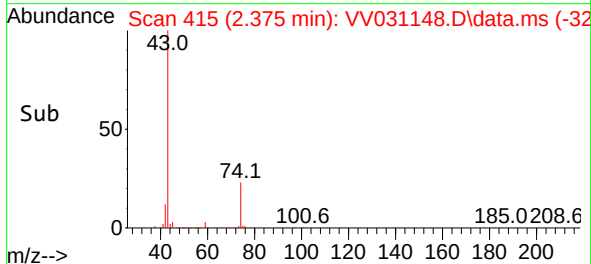
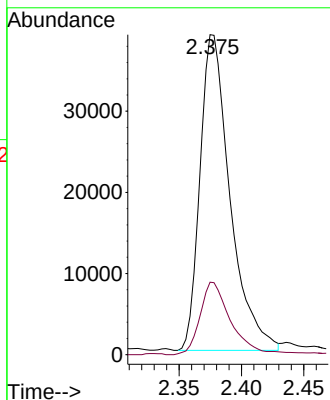
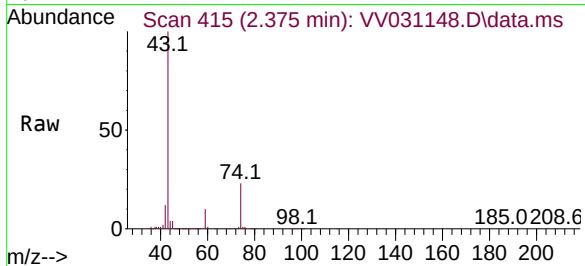




#15
Methyl Acetate
Concen: 37.033 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.006 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

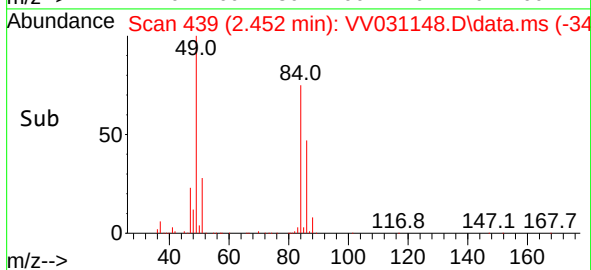
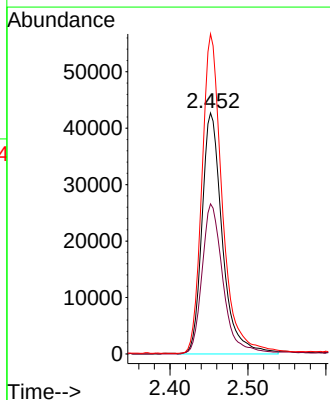
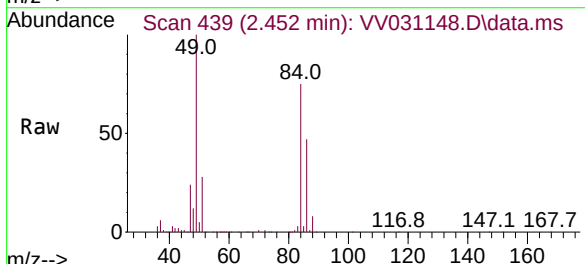
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

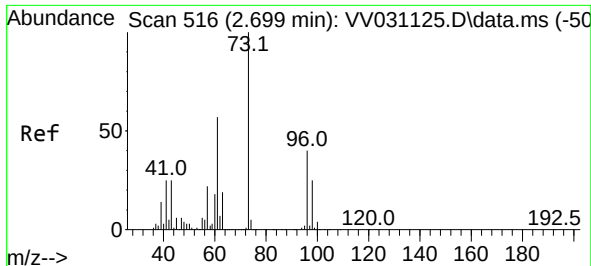
Tgt Ion: 43 Resp: 65324
Ion Ratio Lower Upper
43 100
74 23.0 18.1 27.1



#16
Methylene chloride
Concen: 47.910 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 84 Resp: 77673
Ion Ratio Lower Upper
84 100
86 62.3 43.3 80.3
49 132.8 92.6 172.0

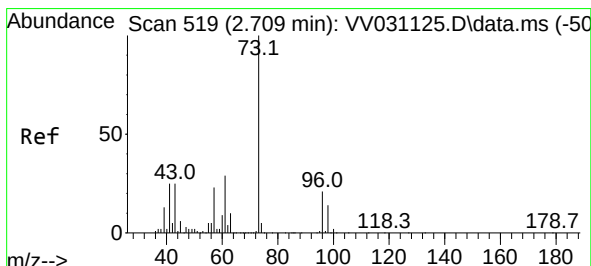
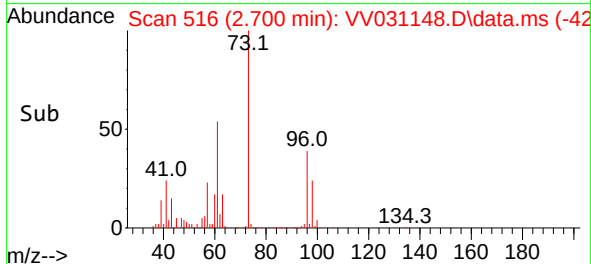
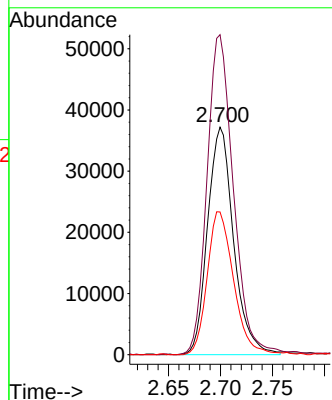
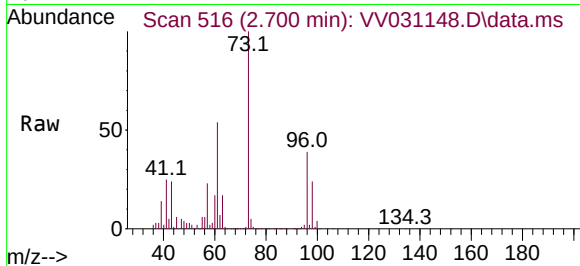




#17
trans-1,2-Dichloroethene
Concen: 48.157 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

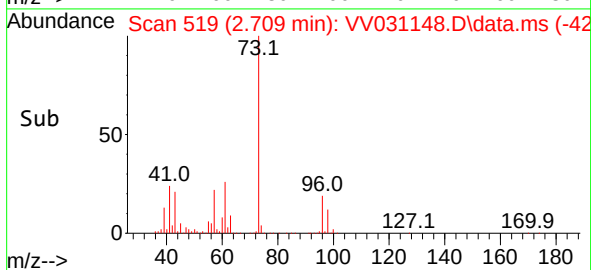
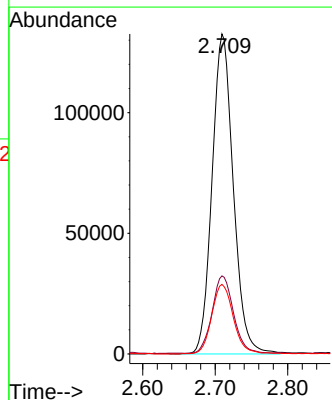
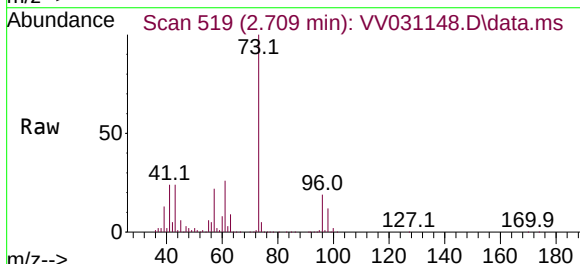
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

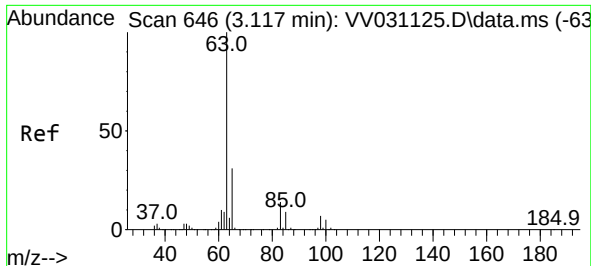
Tgt Ion: 96 Resp: 64839
Ion Ratio Lower Upper
96 100
61 140.7 100.0 185.6
98 62.7 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 51.889 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 73 Resp: 269888
Ion Ratio Lower Upper
73 100
43 24.3 19.4 29.2
57 21.9 17.1 25.7

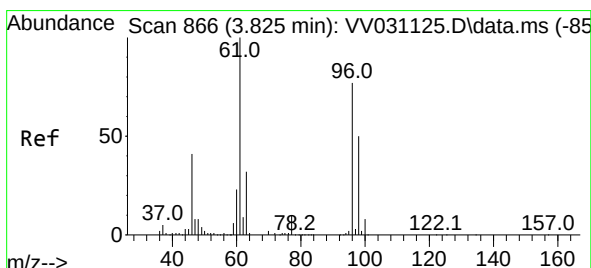
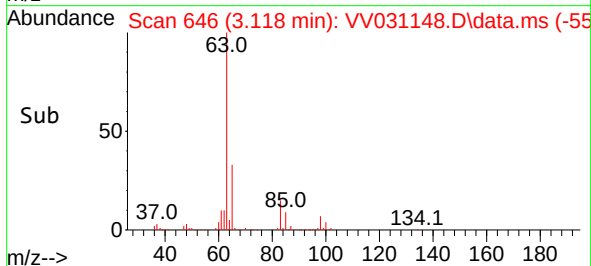
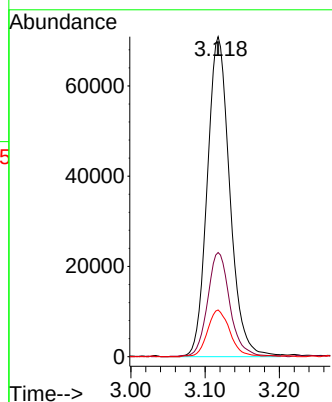
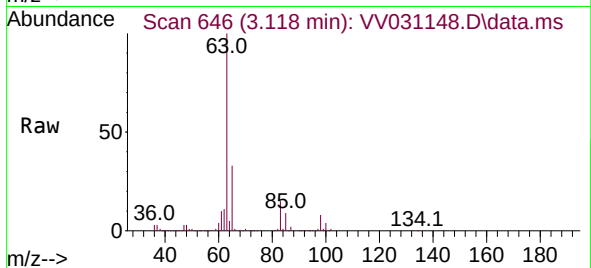




#19
1,1-Dichloroethane
Concen: 48.685 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

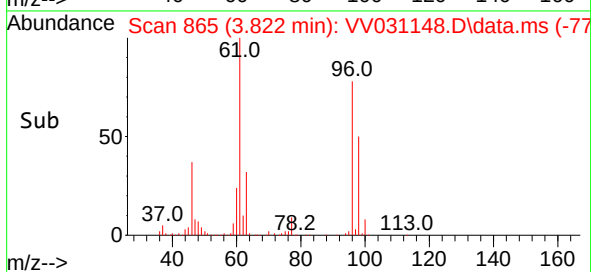
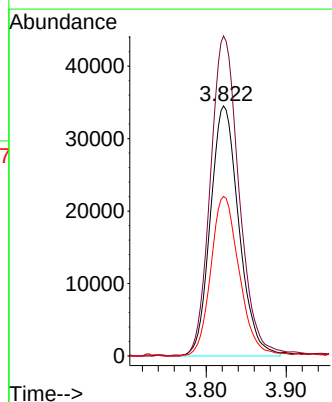
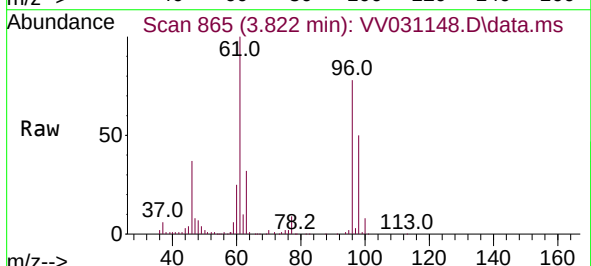
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

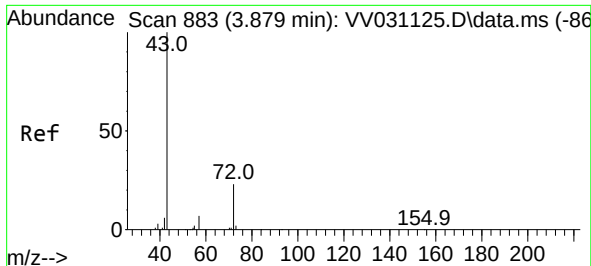
Tgt Ion: 63 Resp: 149388
Ion Ratio Lower Upper
63 100
65 32.6 21.9 40.7
83 14.6 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 51.426 ug/L
RT: 3.822 min Scan# 865
Delta R.T. -0.003 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 96 Resp: 85357
Ion Ratio Lower Upper
96 100
61 127.9 89.2 165.6
98 63.8 43.0 80.0

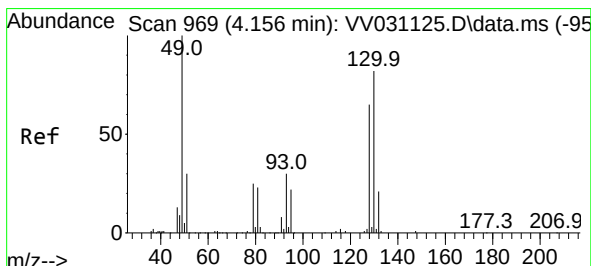
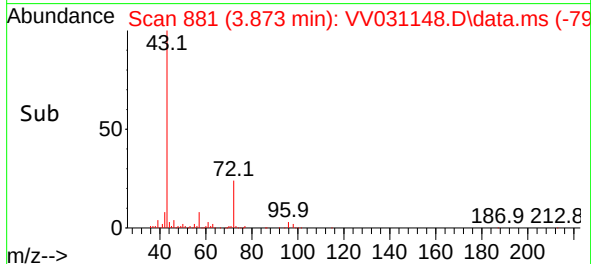
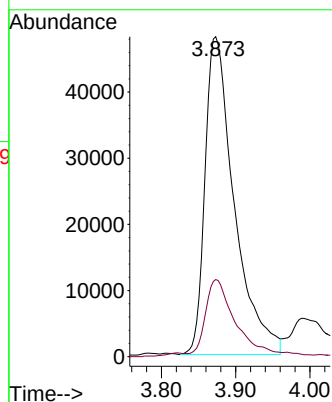
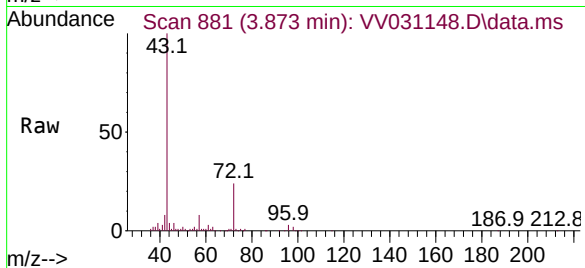




#22
2-Butanone
Concen: 88.459 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.006 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

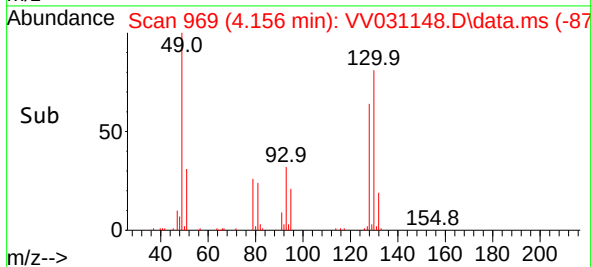
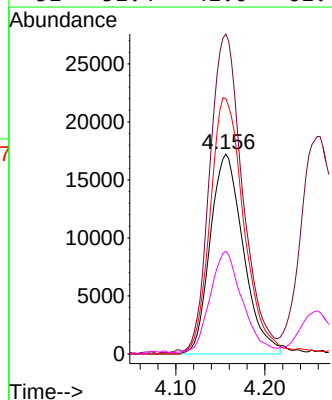
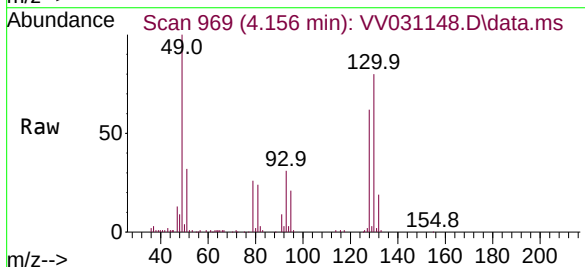
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

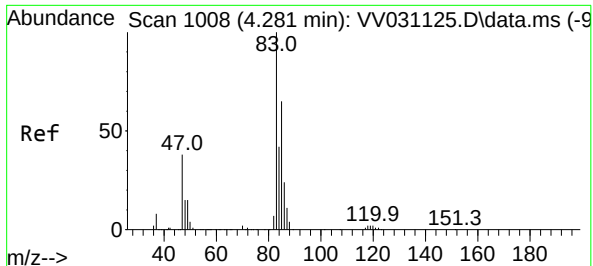
Tgt Ion: 43 Resp: 131658
Ion Ratio Lower Upper
43 100
72 22.9 11.9 35.7



#23
Bromochloromethane
Concen: 48.733 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion:128 Resp: 44450
Ion Ratio Lower Upper
128 100
49 160.1 113.2 210.2
130 127.9 87.5 162.5
51 51.4 41.0 61.4

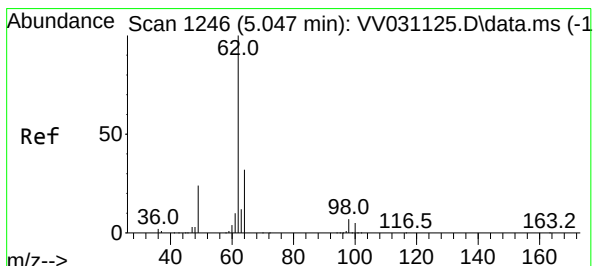
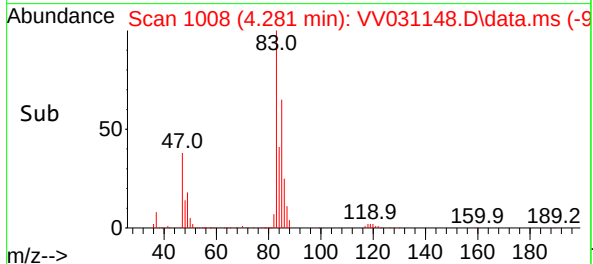
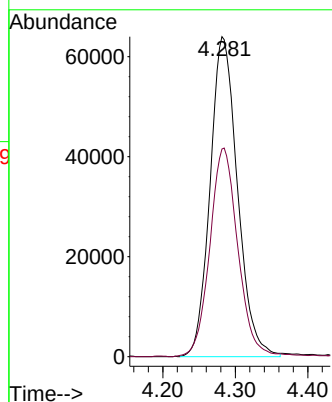
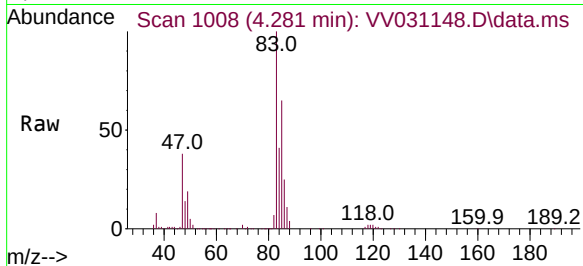




#25
Chloroform
Concen: 49.041 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

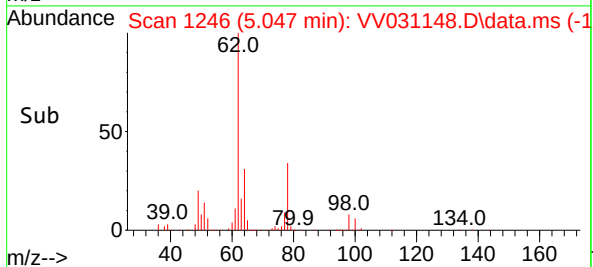
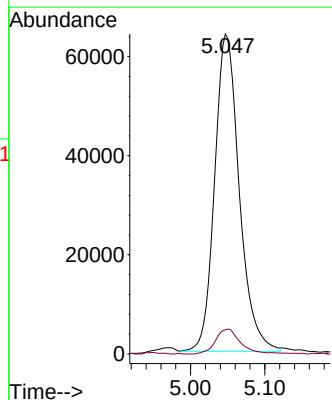
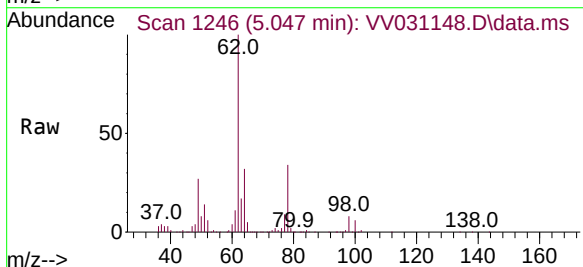
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

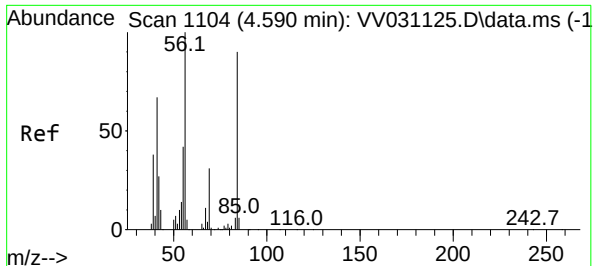
Tgt Ion: 83 Resp: 168099
Ion Ratio Lower Upper
83 100
85 64.9 47.3 87.9



#27
1,2-Dichloroethane
Concen: 50.704 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 62 Resp: 147463
Ion Ratio Lower Upper
62 100
98 7.5 6.3 9.5





#29

Cyclohexane

Concen: 47.872 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

GBX75MSD

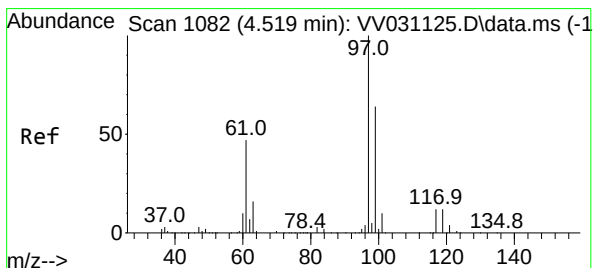
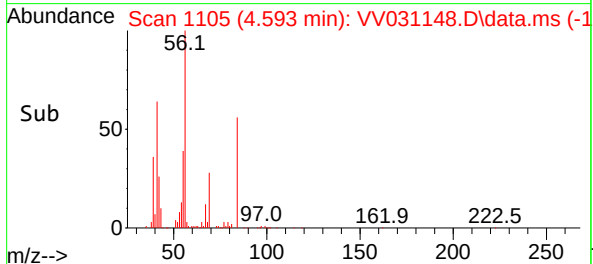
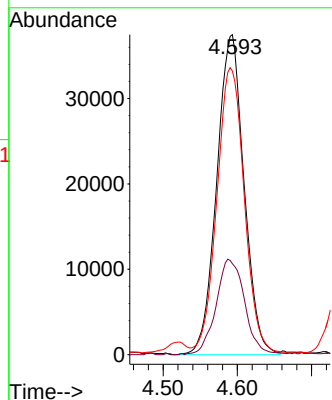
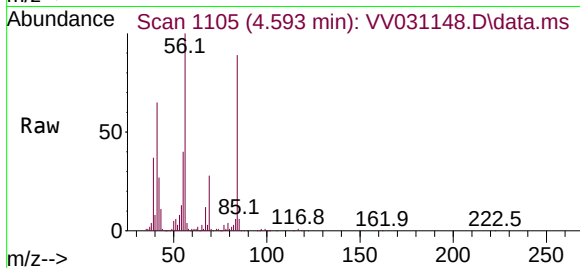
Tgt Ion: 56 Resp: 95818

Ion Ratio Lower Upper

56 100

69 31.2 25.1 37.7

84 88.5 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 49.397 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

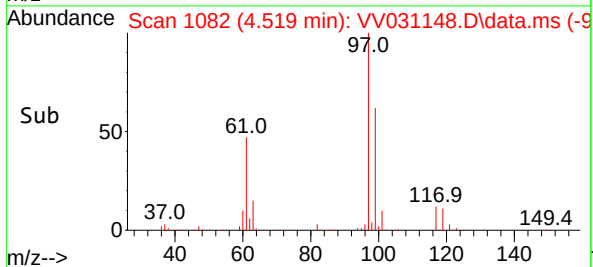
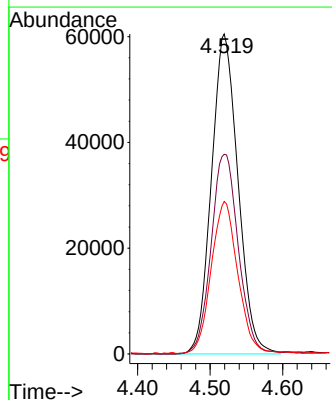
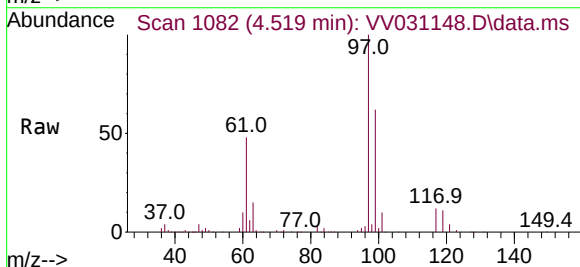
Tgt Ion: 97 Resp: 154181

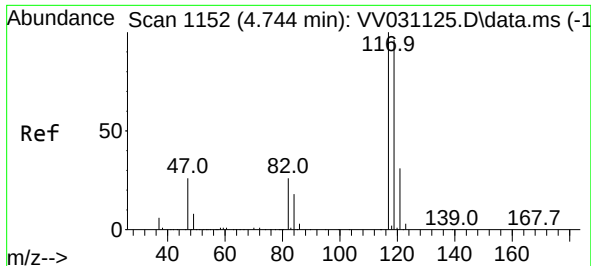
Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

61 47.4 38.2 57.2

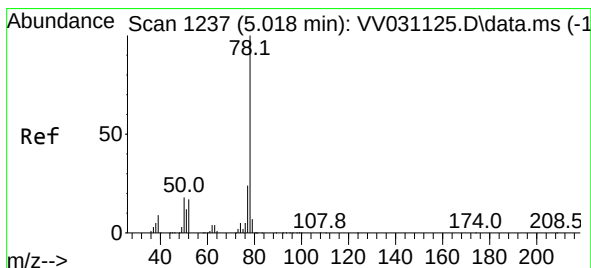
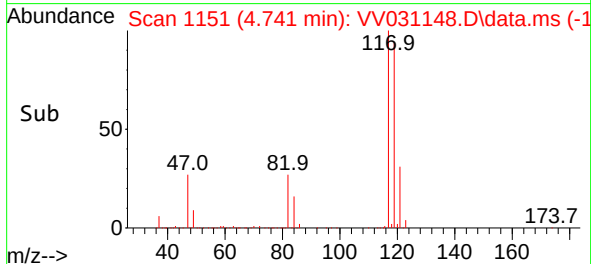
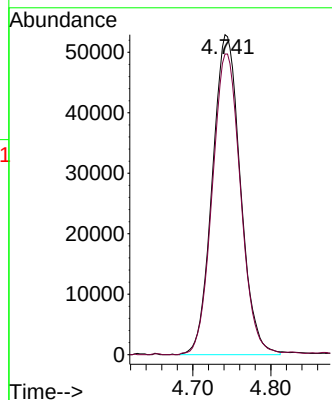
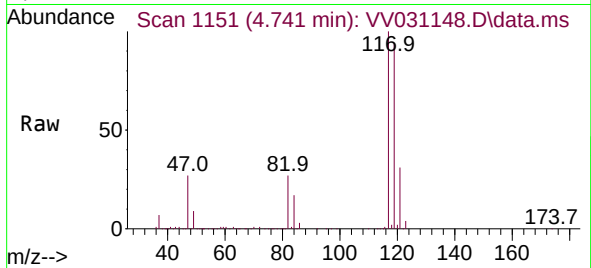




#31
Carbon tetrachloride
Concen: 48.649 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

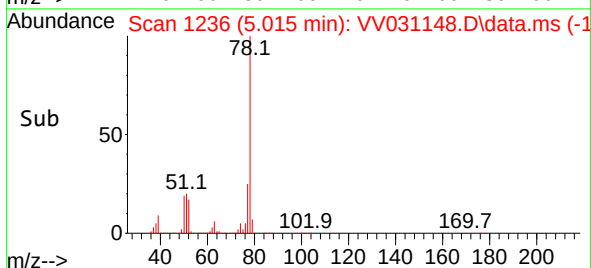
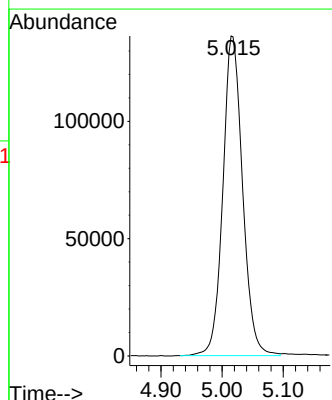
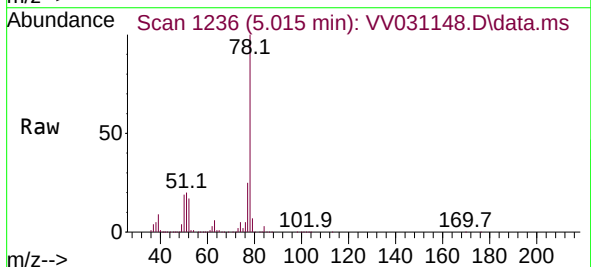
Instrument : MSVOA_V
ClientSampleId : GBX75MSD

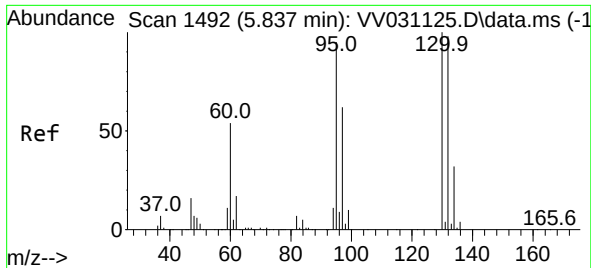
Tgt Ion:117 Resp: 132286
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3



#33
Benzene
Concen: 50.081 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 78 Resp: 305183



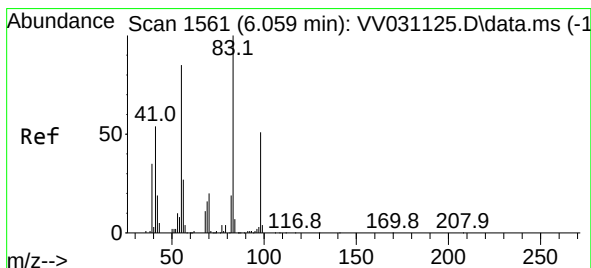
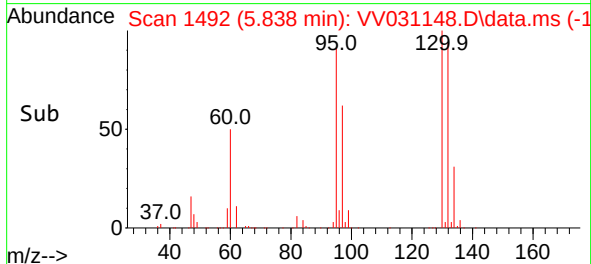
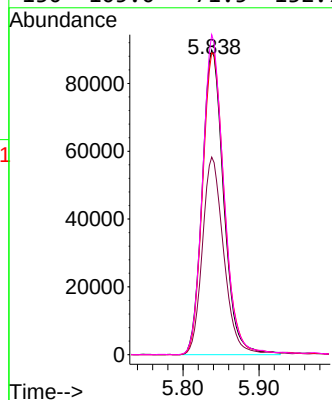
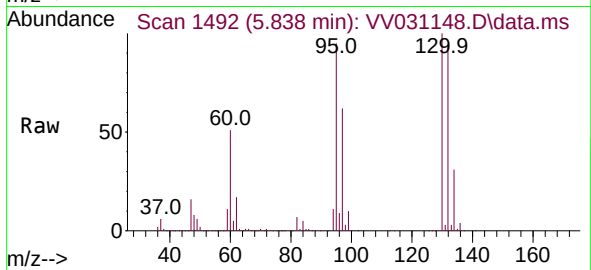


#34
 Trichloroethene
 Concen: 108.053 ug/L
 RT: 5.838 min Scan# 1492
 Delta R.T. 0.000 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

Instrument :
 MSVOA_V
 ClientSampleId :
 GBX75MSD

Tgt Ion: 95 Resp: 176429

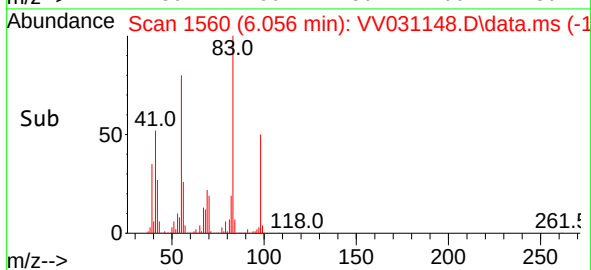
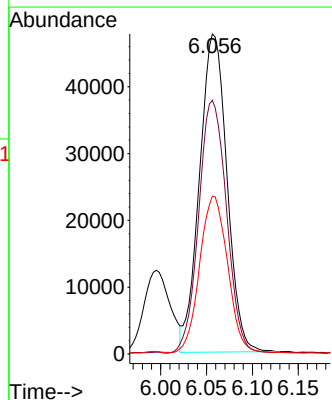
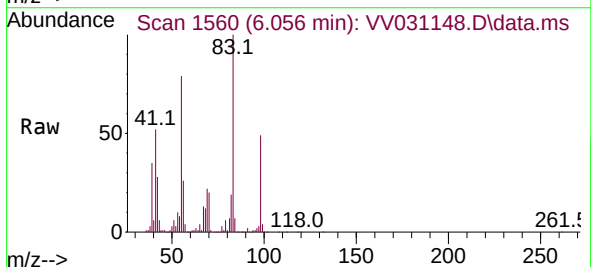
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.4	82.5
132	99.1	70.2	130.4
130	105.0	71.5	132.7

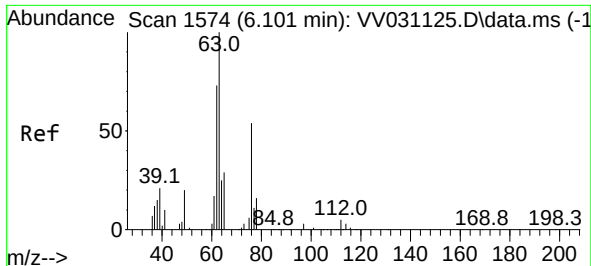


#35
 Methylcyclohexane
 Concen: 45.852 ug/L
 RT: 6.056 min Scan# 1560
 Delta R.T. -0.003 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

Tgt Ion: 83 Resp: 99346

Ion	Ratio	Lower	Upper
83	100		
55	80.8	64.2	96.2
98	50.1	40.0	60.0

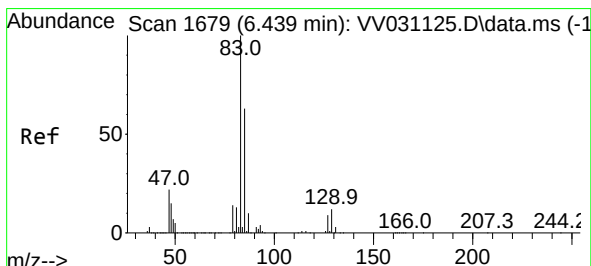
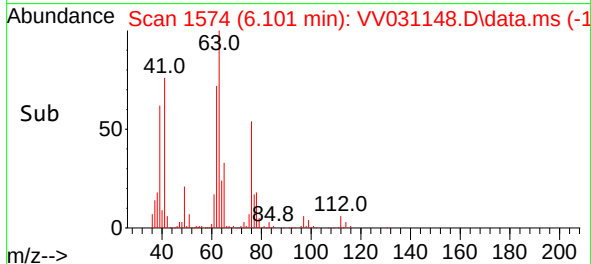
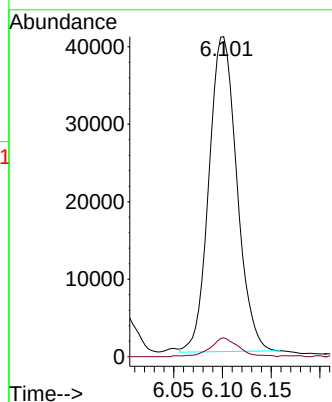
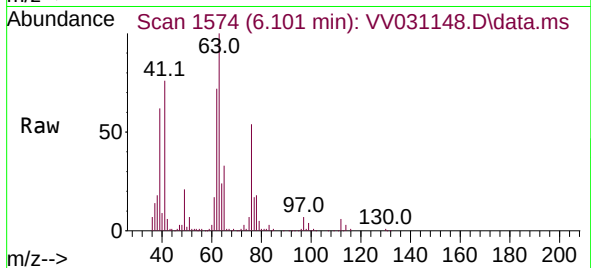




#37
1,2-Dichloropropane
Concen: 48.372 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

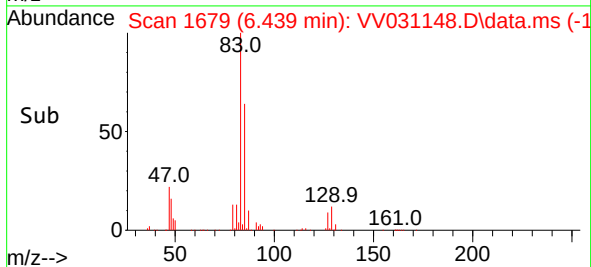
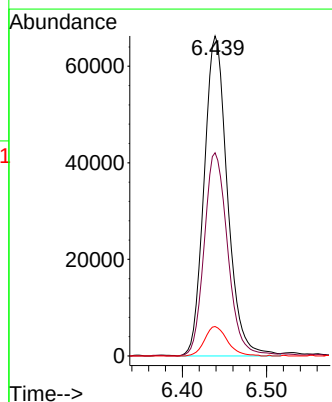
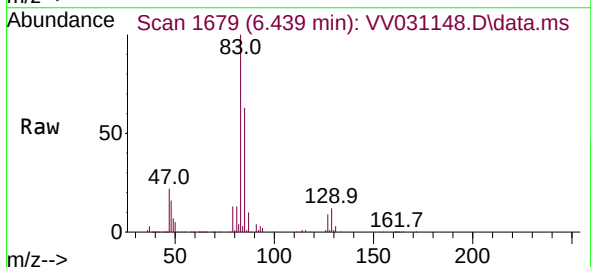
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

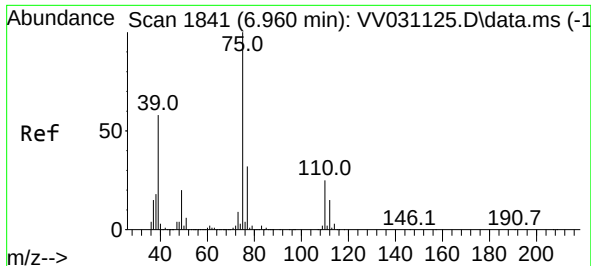
Tgt Ion: 63 Resp: 81131
Ion Ratio Lower Upper
63 100
112 6.0 4.3 6.5



#38
Bromodichloromethane
Concen: 49.183 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 83 Resp: 127874
Ion Ratio Lower Upper
83 100
85 63.5 44.0 81.6
127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 46.075 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

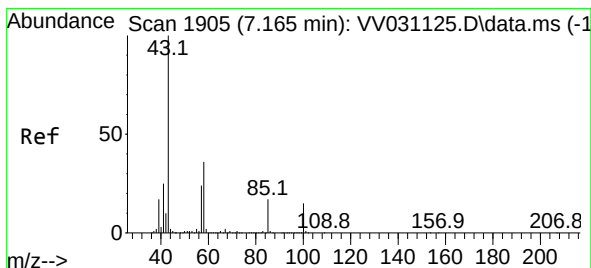
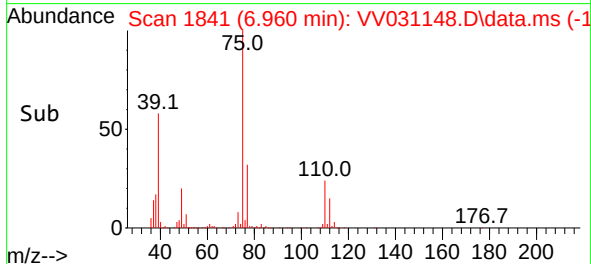
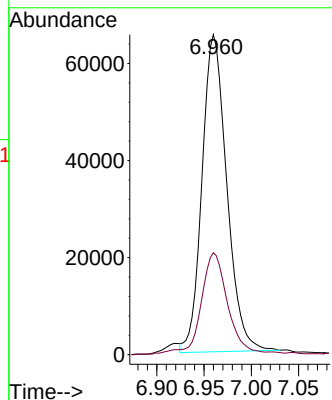
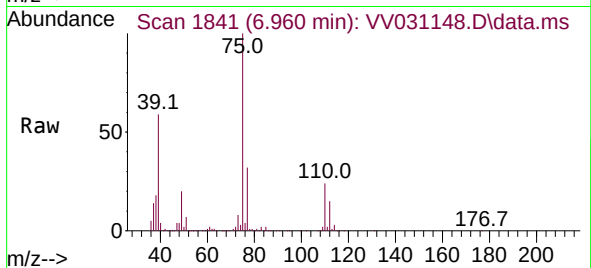
GBX75MSD

Tgt Ion: 75 Resp: 119164

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 104.092 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

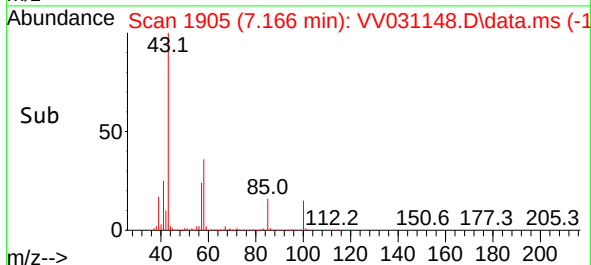
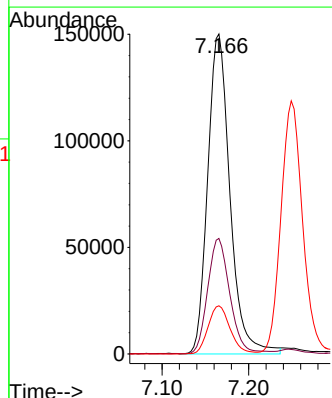
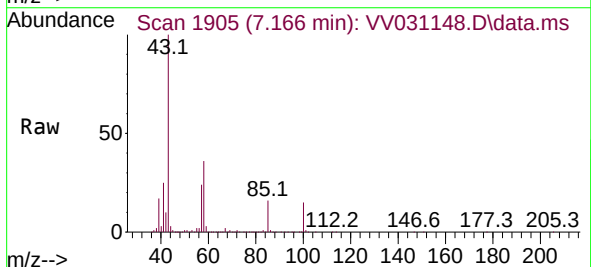
Tgt Ion: 43 Resp: 268652

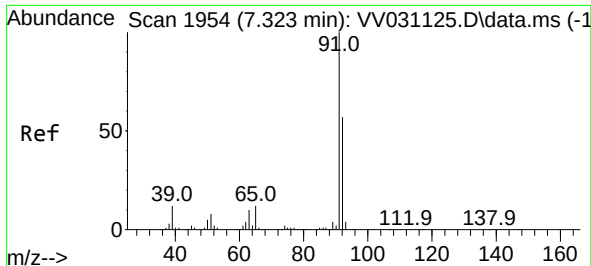
Ion Ratio Lower Upper

43 100

58 36.1 29.0 43.4

100 14.9 12.2 18.4





#42

Toluene

Concen: 50.795 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

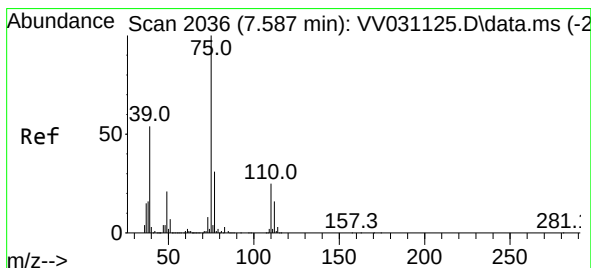
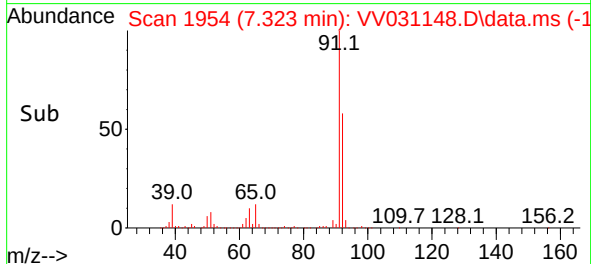
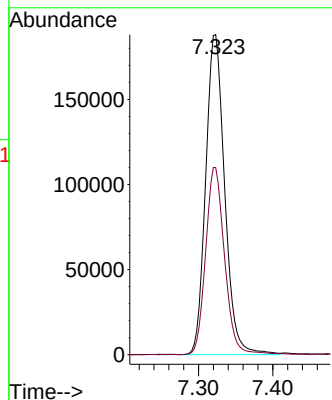
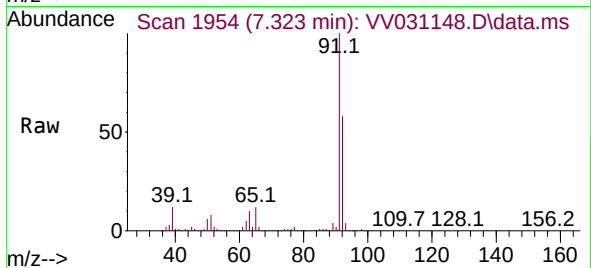
GBX75MSD

Tgt Ion: 91 Resp: 334893

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 48.786 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031148.D

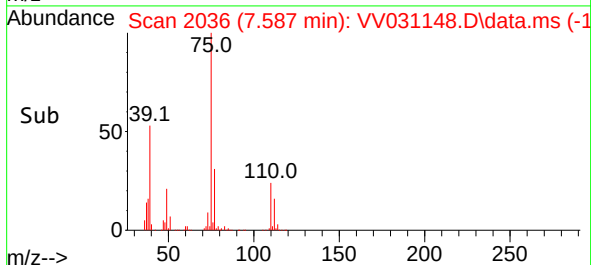
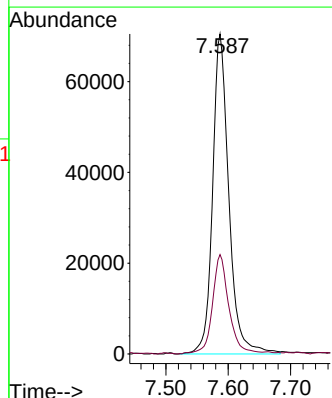
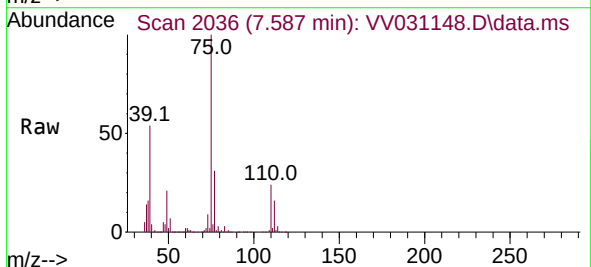
Acq: 20 May 2023 08:52

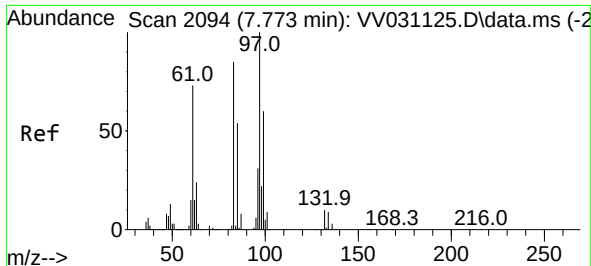
Tgt Ion: 75 Resp: 127644

Ion Ratio Lower Upper

75 100

77 31.0 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 49.835 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

GBX75MSD

Tgt Ion: 97 Resp: 91209

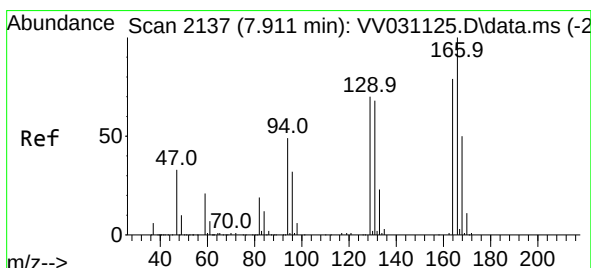
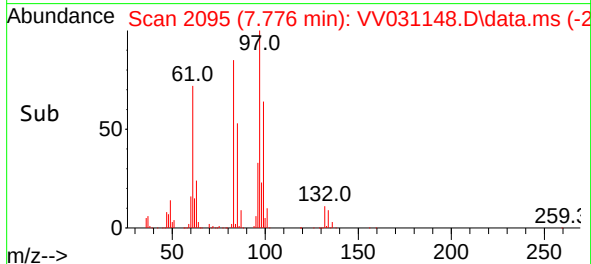
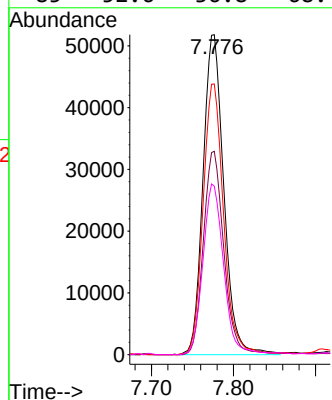
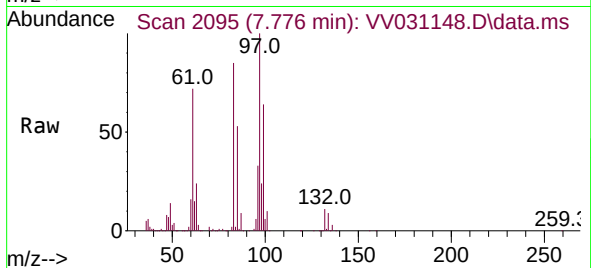
Ion Ratio Lower Upper

97 100

99 63.6 43.2 80.2

83 84.6 60.5 112.3

85 52.6 36.8 68.4



#46

Tetrachloroethene

Concen: 47.042 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Tgt Ion:164 Resp: 65955

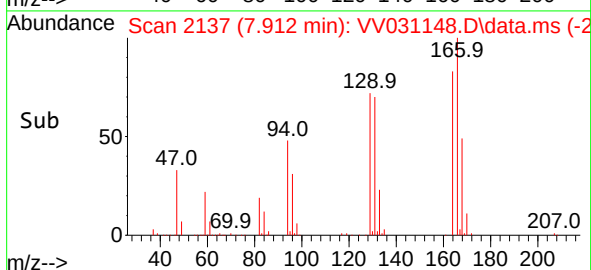
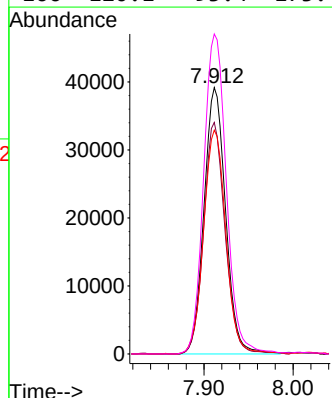
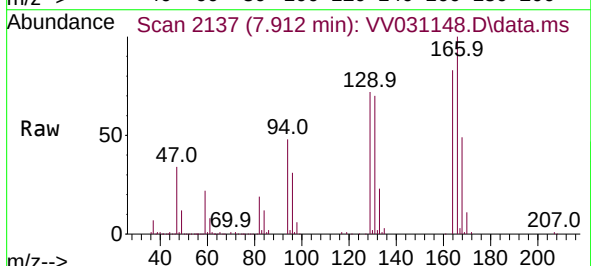
Ion Ratio Lower Upper

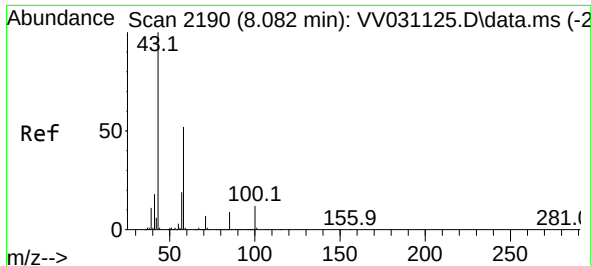
164 100

129 86.9 65.5 121.7

131 84.0 62.1 115.3

166 120.1 93.4 173.4



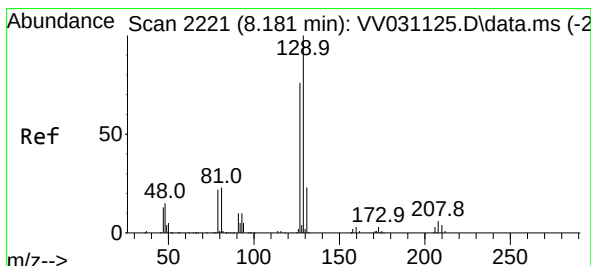
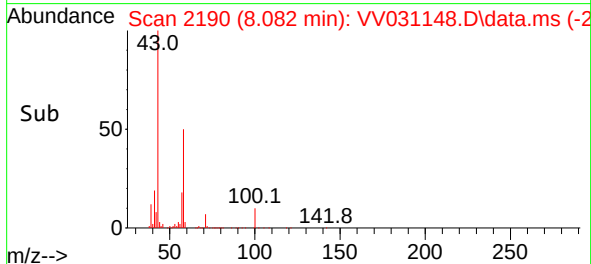
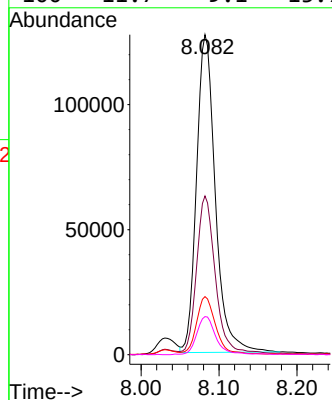
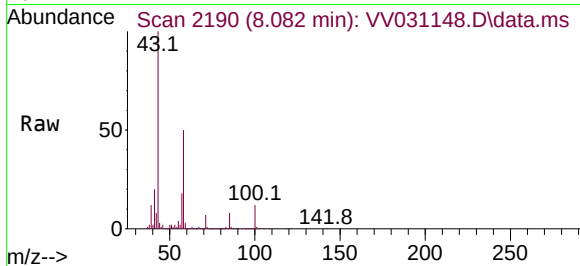


#48
2-Hexanone
Concen: 99.135 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

Tgt Ion: 43 Resp: 213106

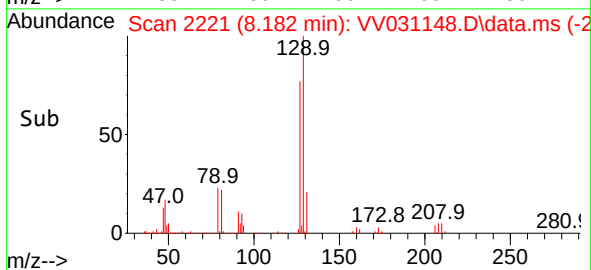
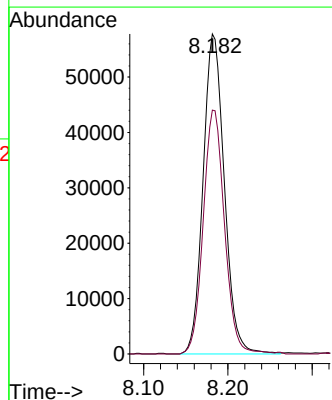
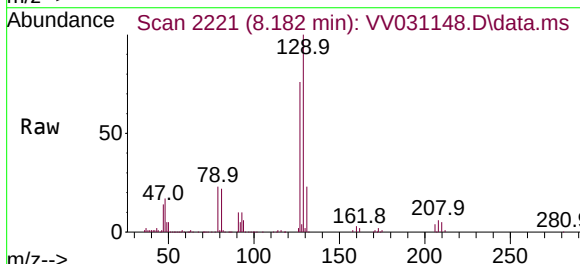
Ion	Ratio	Lower	Upper
43	100		
58	47.3	39.8	59.6
57	17.6	14.4	21.6
100	11.7	9.1	13.7

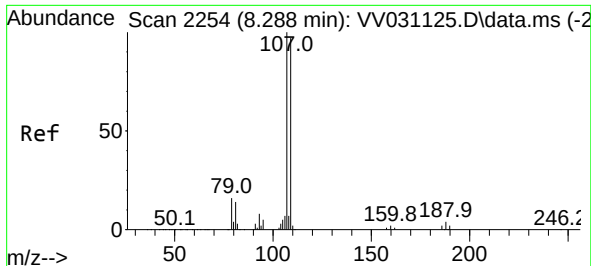


#49
Dibromochloromethane
Concen: 49.184 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 129 Resp: 101565

Ion	Ratio	Lower	Upper
129	100		
127	76.2	56.1	104.1





#50

1,2-Dibromoethane

Concen: 48.882 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

GBX75MSD

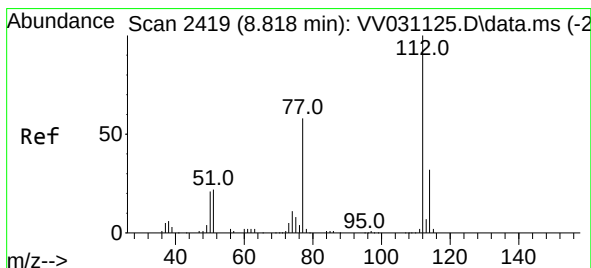
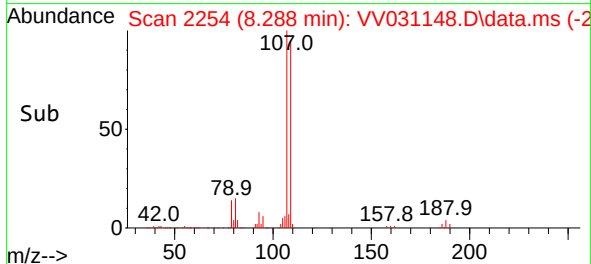
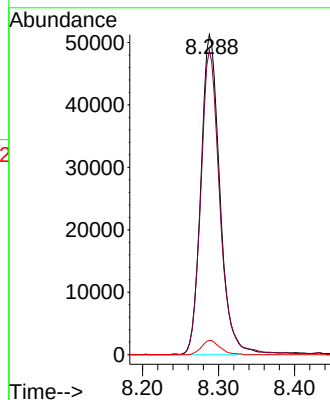
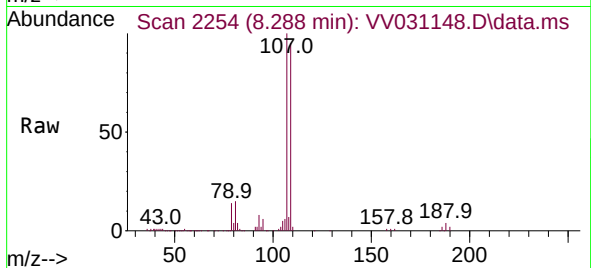
Tgt Ion:107 Resp: 88948

Ion Ratio Lower Upper

107 100

109 95.1 65.6 121.8

188 4.5 3.8 5.6



#51

Chlorobenzene

Concen: 48.480 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

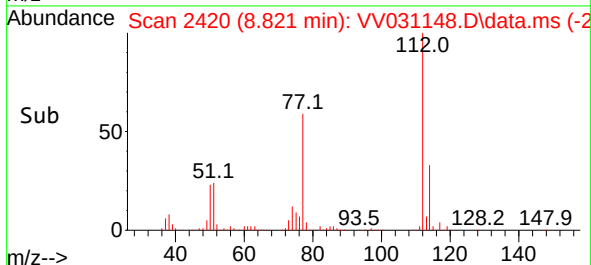
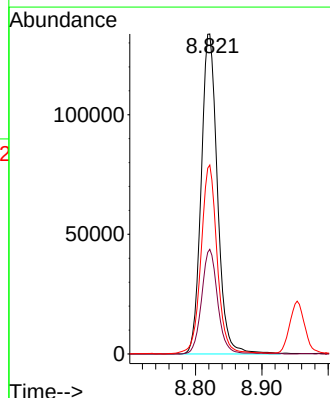
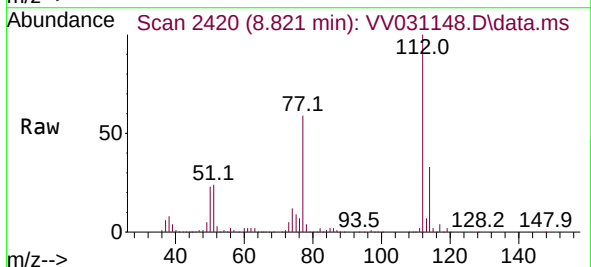
Tgt Ion:112 Resp: 227499

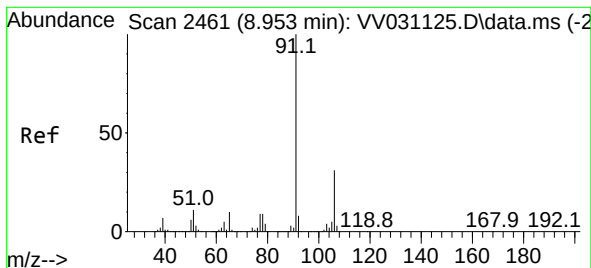
Ion Ratio Lower Upper

112 100

114 32.7 23.0 42.8

77 59.0 46.2 69.4





#52

Ethylbenzene

Concen: 48.743 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

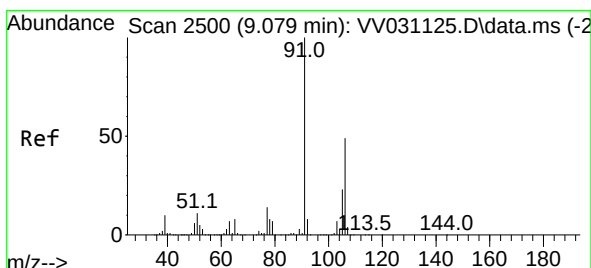
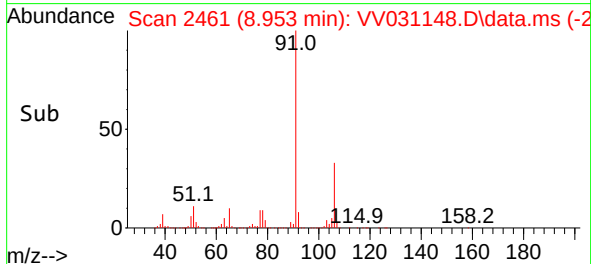
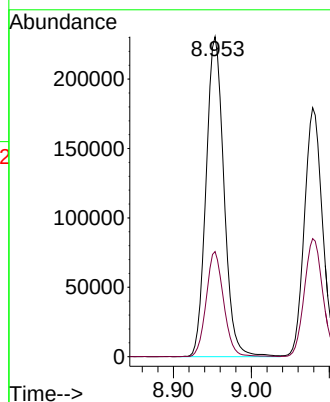
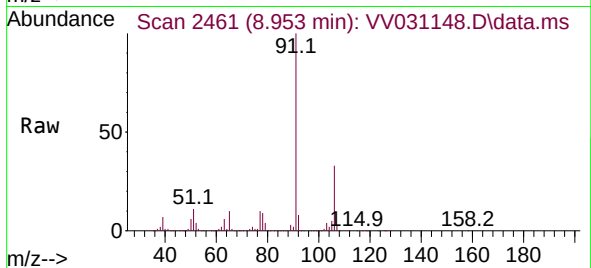
GBX75MSD

Tgt Ion: 91 Resp: 367938

Ion Ratio Lower Upper

91 100

106 32.8 21.5 39.9



#53

m,p-Xylene

Concen: 47.972 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031148.D

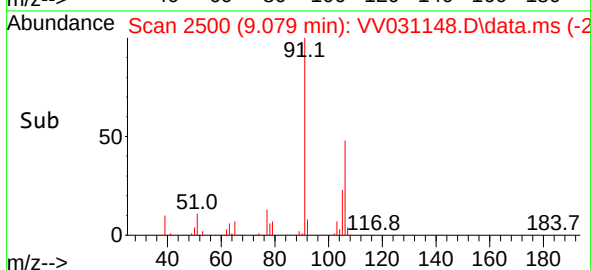
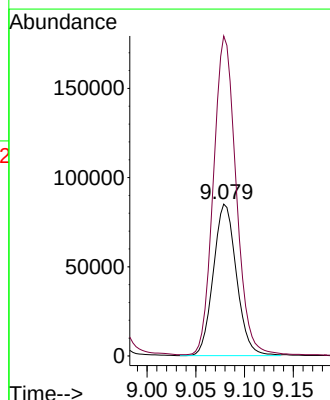
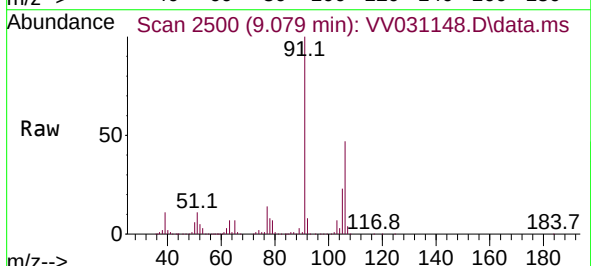
Acq: 20 May 2023 08:52

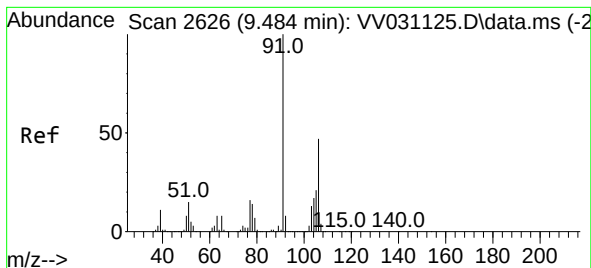
Tgt Ion: 106 Resp: 140469

Ion Ratio Lower Upper

106 100

91 210.8 145.3 269.8





#54

o-Xylene

Concen: 49.929 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

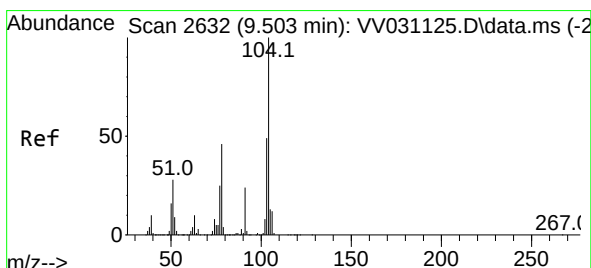
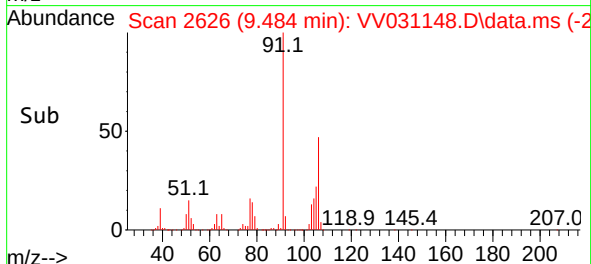
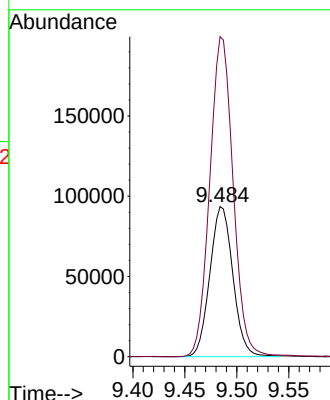
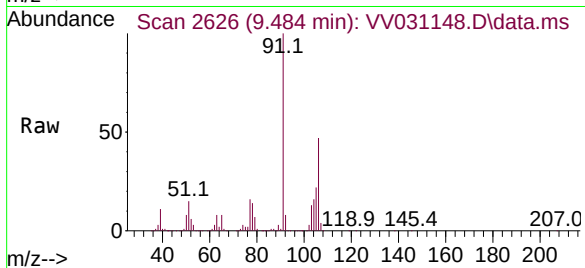
GBX75MSD

Tgt Ion:106 Resp: 144225

Ion Ratio Lower Upper

106 100

91 213.2 150.4 279.2



#55

Styrene

Concen: 50.665 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.000 min

Lab File: VV031148.D

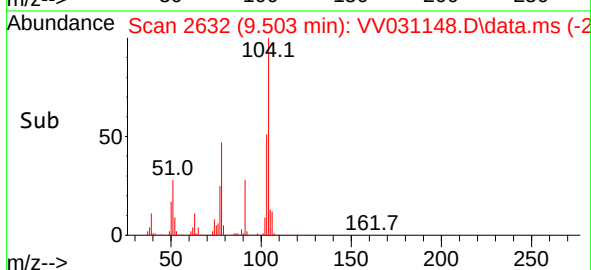
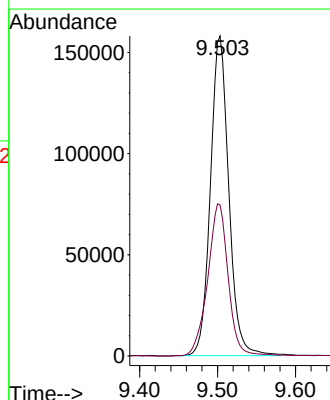
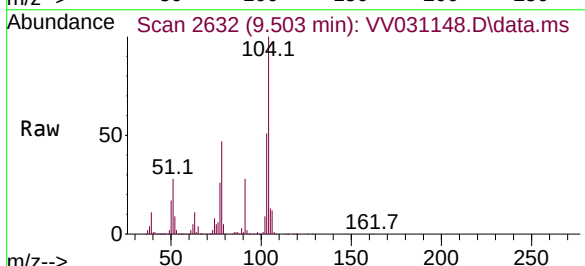
Acq: 20 May 2023 08:52

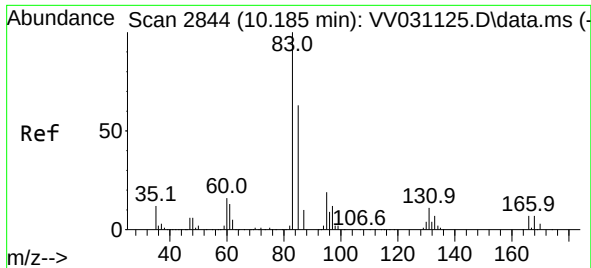
Tgt Ion:104 Resp: 258835

Ion Ratio Lower Upper

104 100

78 47.2 33.2 61.6

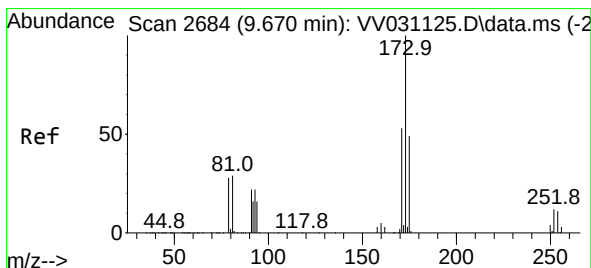
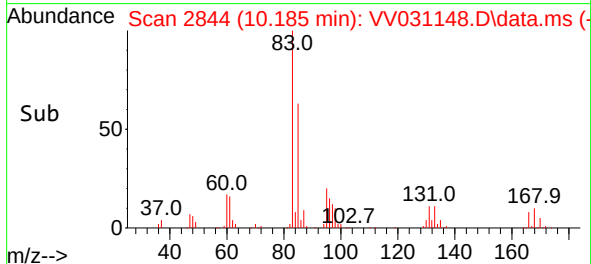
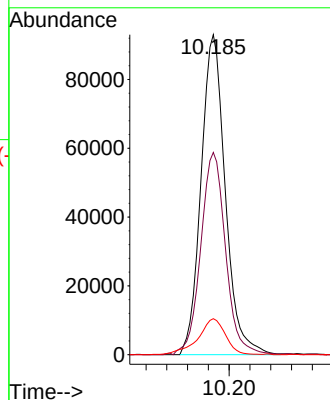
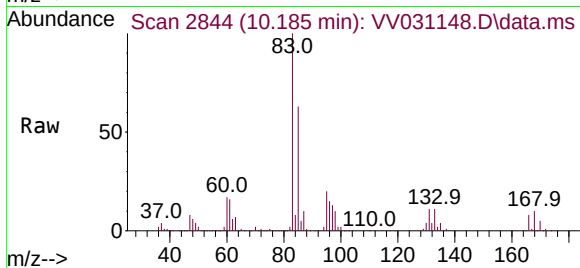




#57
1,1,2,2-Tetrachloroethane
Concen: 50.028 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

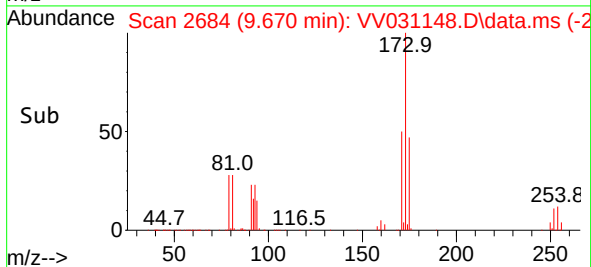
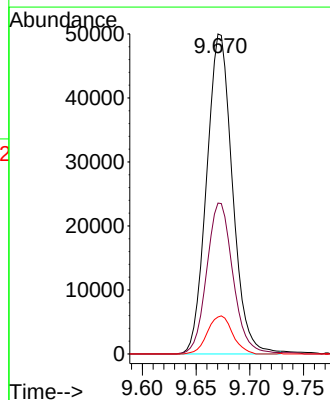
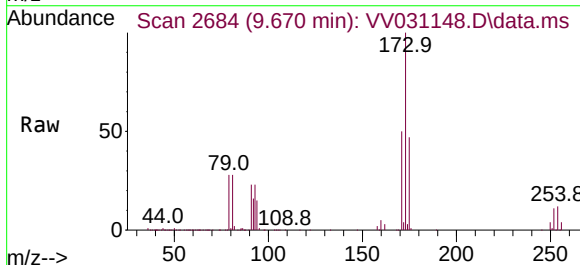
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

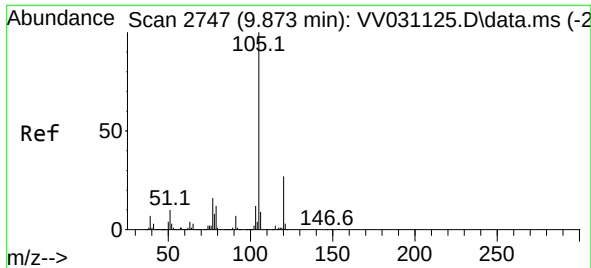
Tgt Ion: 83 Resp: 150443
Ion Ratio Lower Upper
83 100
85 63.2 45.0 83.6
131 11.2 9.2 13.8



#59
Bromoform
Concen: 50.822 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 173 Resp: 83572
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 11.6 8.8 13.2

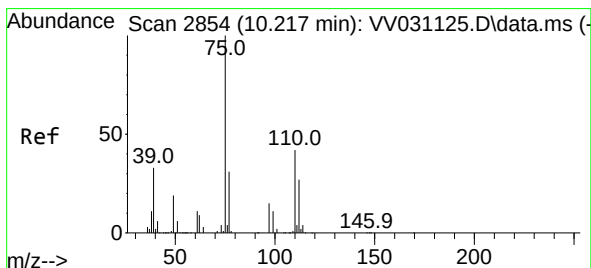
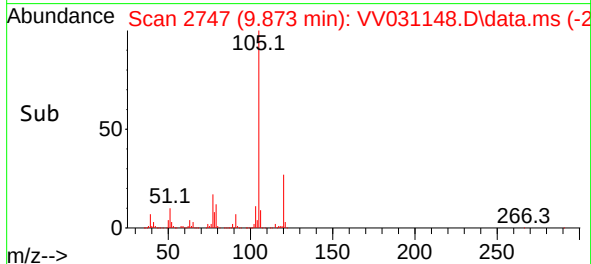
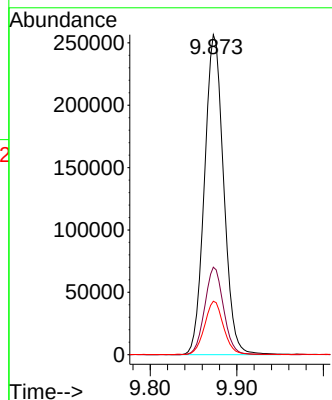
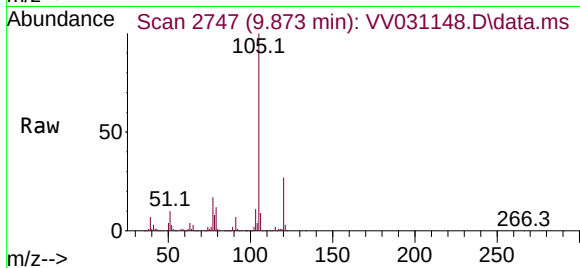




#60
Isopropylbenzene
Concen: 51.991 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

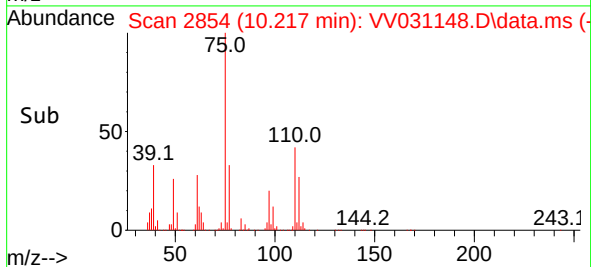
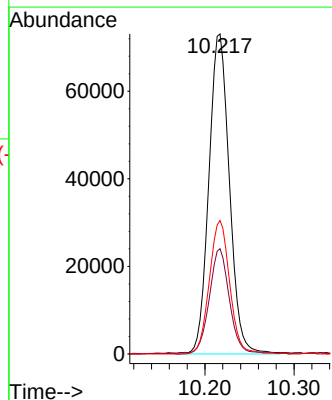
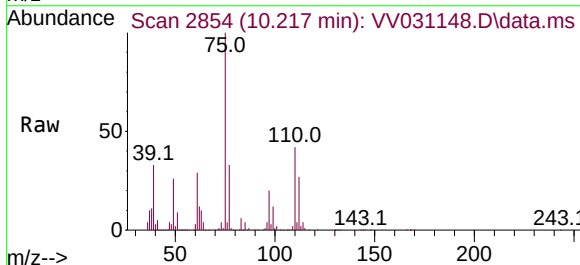
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

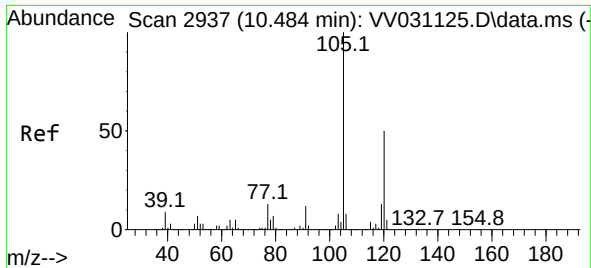
Tgt Ion:105 Resp: 394332
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0
77 16.3 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 53.585 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 75 Resp: 116908
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 41.3 32.5 48.7

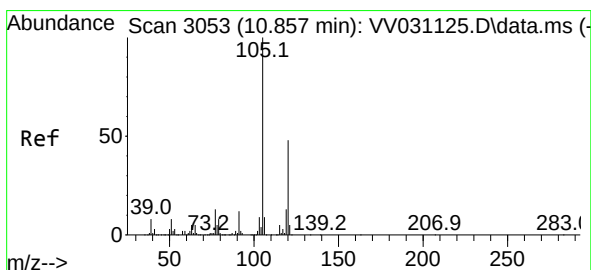
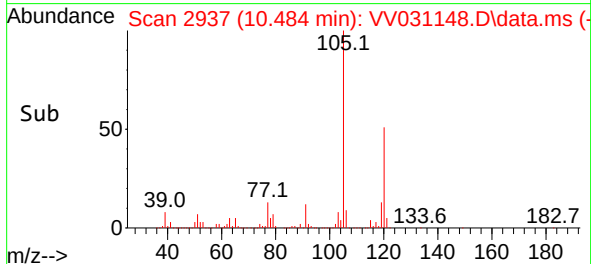
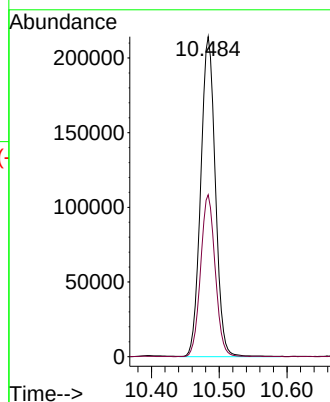
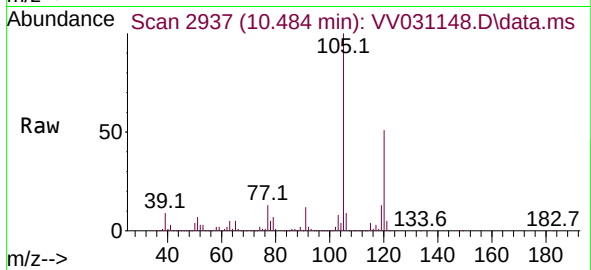




#62
 1,3,5-Trimethylbenzene
 Concen: 51.535 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

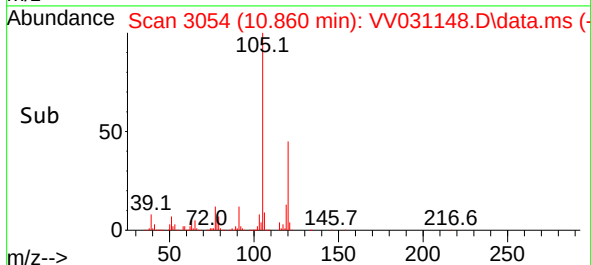
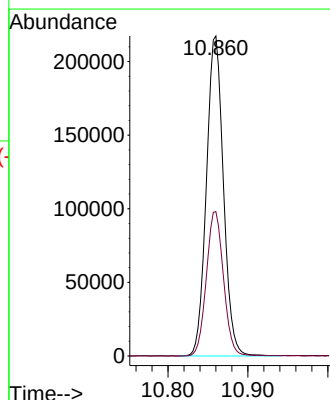
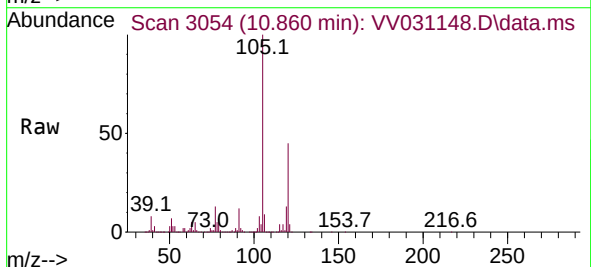
Instrument :
 MSVOA_V
 ClientSampleId :
 GBX75MSD

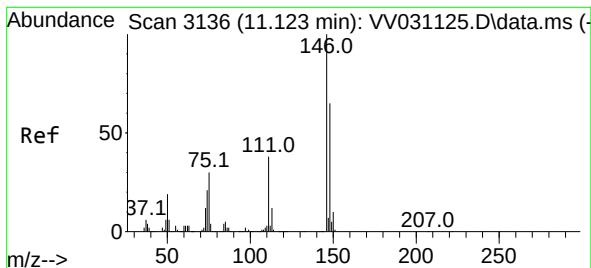
Tgt Ion:105 Resp: 321290
 Ion Ratio Lower Upper
 105 100
 120 50.4 40.5 60.7



#63
 1,2,4-Trimethylbenzene
 Concen: 52.821 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

Tgt Ion:105 Resp: 321992
 Ion Ratio Lower Upper
 105 100
 120 45.4 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 50.535 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

GBX75MSD

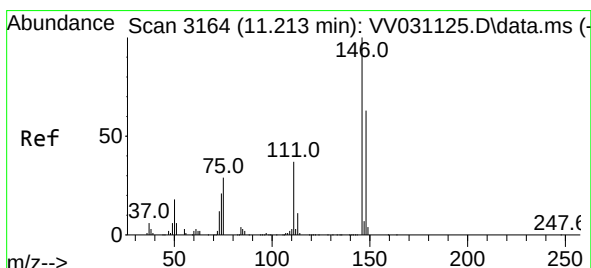
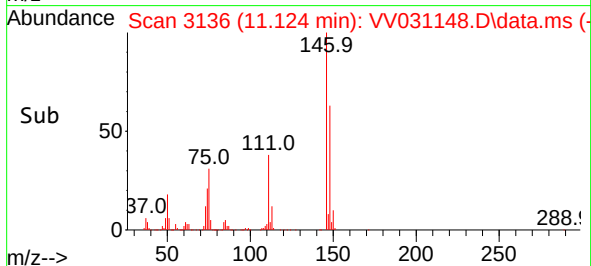
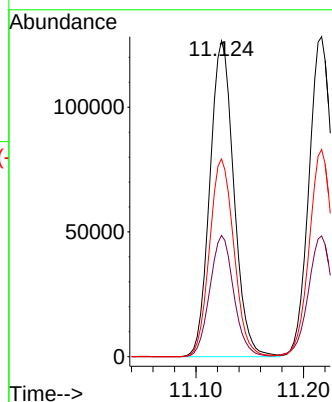
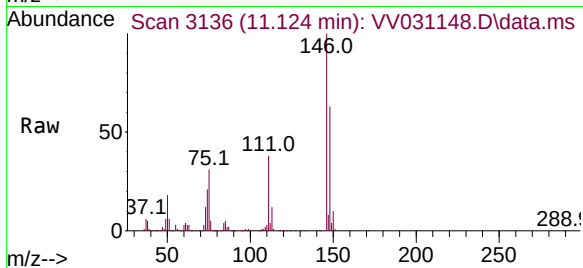
Tgt Ion:146 Resp: 196395

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.4

148 62.6 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 50.367 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

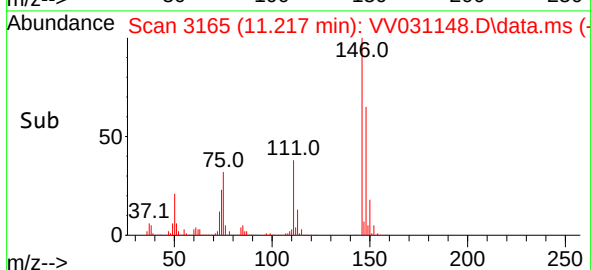
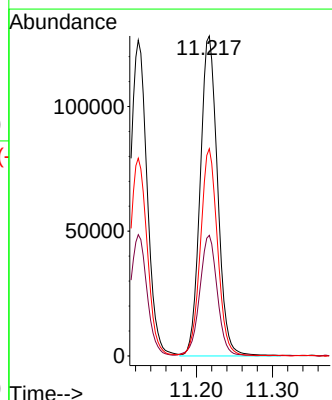
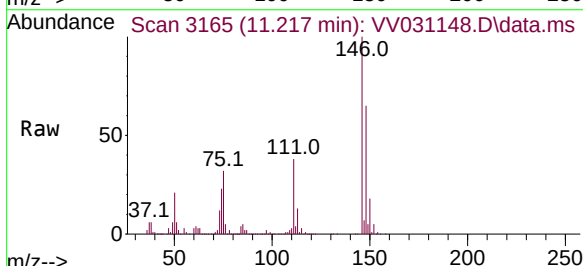
Tgt Ion:146 Resp: 203637

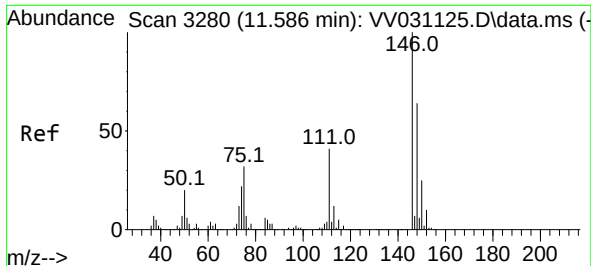
Ion Ratio Lower Upper

146 100

111 37.7 25.5 47.3

148 64.8 44.5 82.7

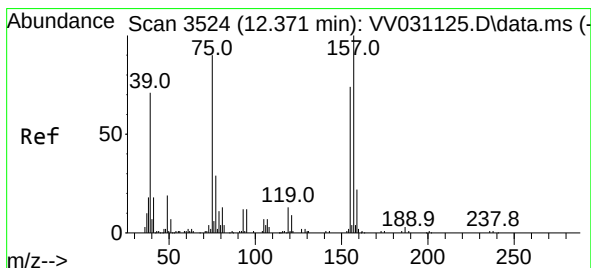
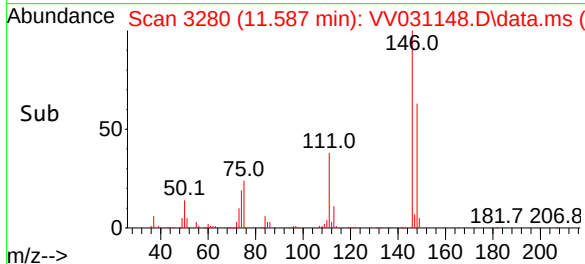
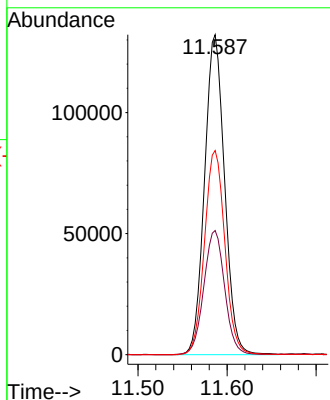
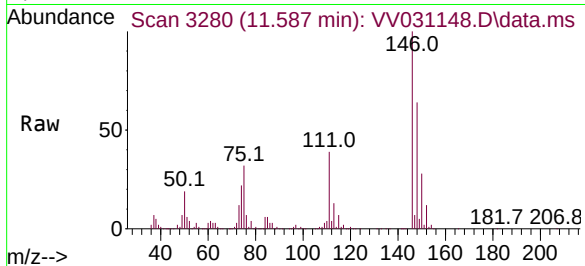




#67
1,2-Dichlorobenzene
Concen: 52.448 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

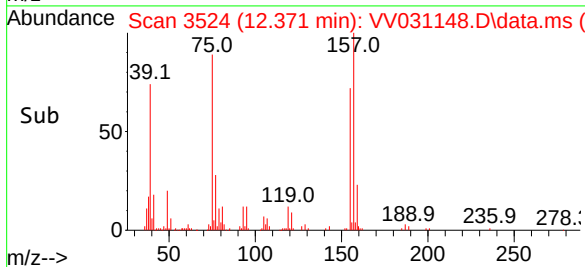
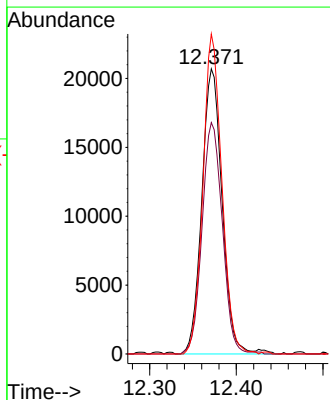
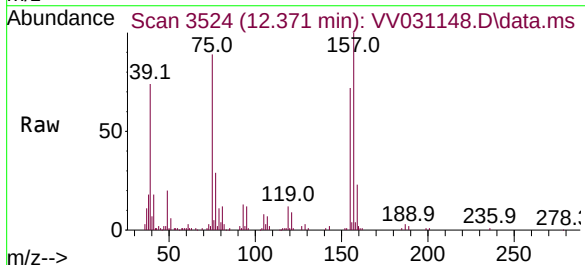
Instrument :
MSVOA_V
ClientSampleId :
GBX75MSD

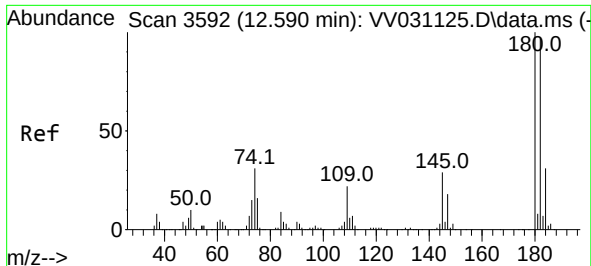
Tgt Ion:146 Resp: 206819
Ion Ratio Lower Upper
146 100
111 38.8 31.4 47.2
148 63.8 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 50.553 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031148.D
Acq: 20 May 2023 08:52

Tgt Ion: 75 Resp: 33856
Ion Ratio Lower Upper
75 100
155 81.1 70.9 106.3
157 112.2 88.1 132.1

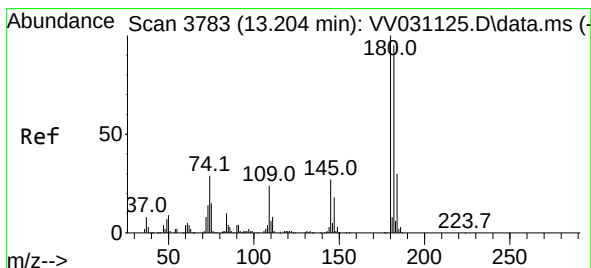
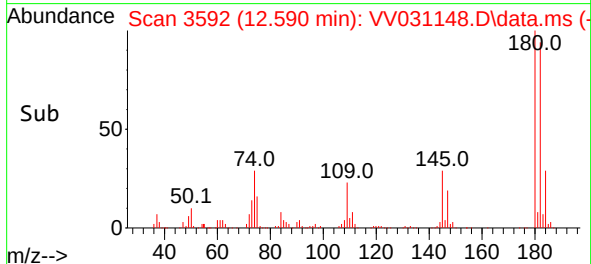
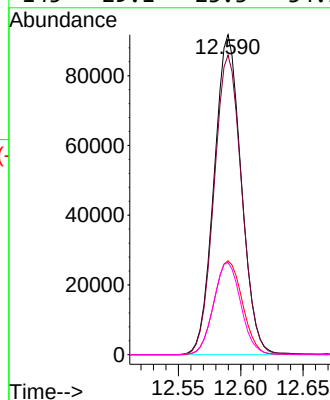
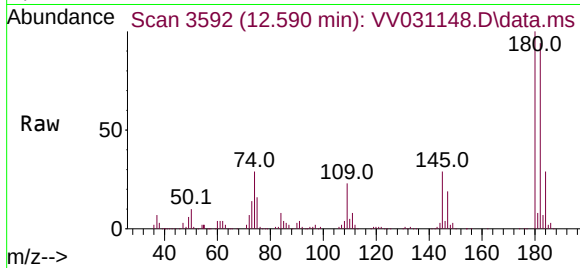




#69
 1,3,5-Trichlorobenzene
 Concen: 46.315 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

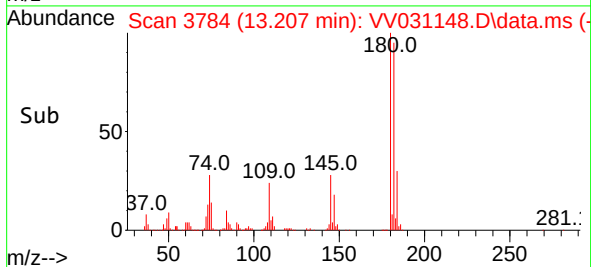
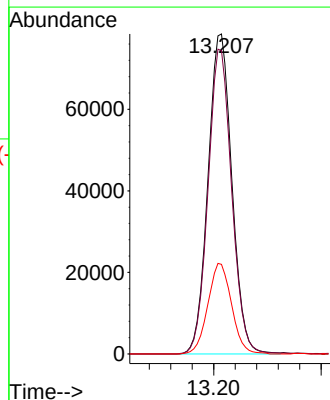
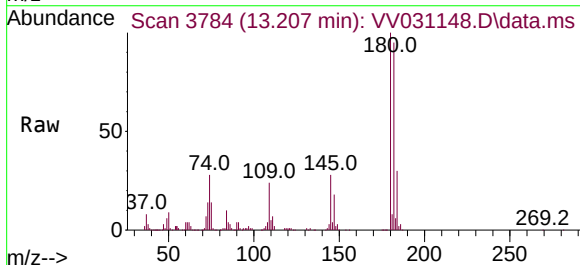
Instrument :
 MSVOA_V
 ClientSampleId :
 GBX75MSD

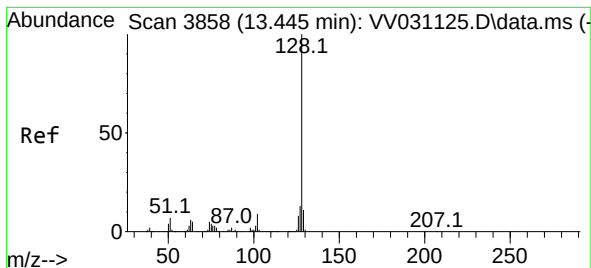
Tgt Ion:	180	Resp:	139141
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.6	115.0
184	30.7	24.6	37.0
145	29.1	23.3	34.9



#70
 1,2,4-trichlorobenzene
 Concen: 47.353 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031148.D
 Acq: 20 May 2023 08:52

Tgt Ion:	180	Resp:	121069
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.4	113.2
145	28.1	23.1	34.7





#71

Naphthalene

Concen: 48.574 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Instrument :

MSVOA_V

ClientSampleId :

GBX75MSD

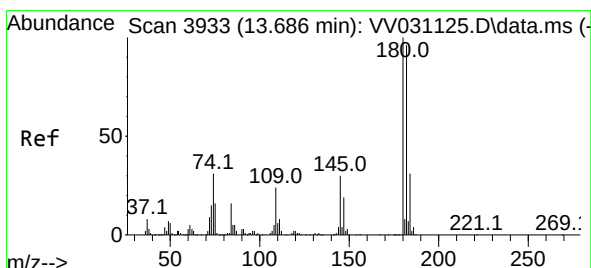
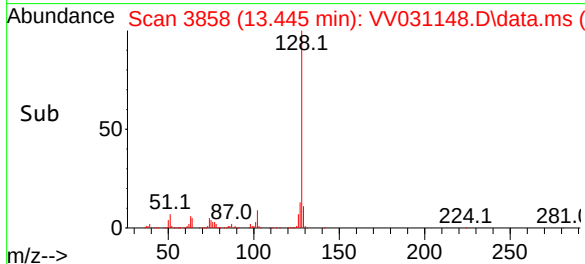
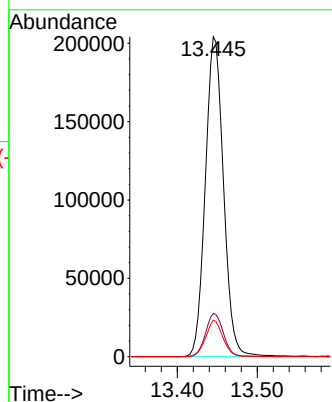
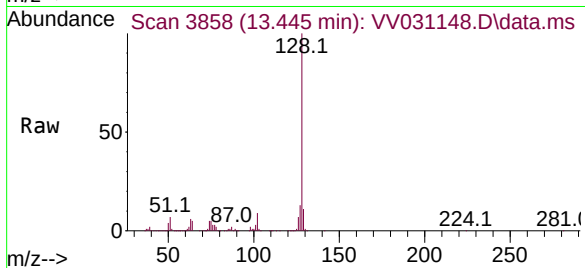
Tgt Ion:128 Resp: 322584

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 49.757 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031148.D

Acq: 20 May 2023 08:52

Tgt Ion:180 Resp: 127124

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.0

145 30.9 24.2 36.4

