

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032787.D
 Acq On : 31 Oct 2023 09:34
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:12:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:10:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	344947	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	384718	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	215583	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	162357	69.042	ug/L	0.00
7) Chloroethane-d5	1.532	69	136588	68.092	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	64890	64.954	ug/L	0.00
21) 2-Butanone-d5	3.786	46	144659	80.894	ug/L	0.00
24) Chloroform-d	4.249	84	264065	57.556	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	166135	60.070	ug/L	0.00
32) Benzene-d6	4.960	84	511575	50.840	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	147296	45.299	ug/L	0.00
41) Toluene-d8	7.243	98	521827	55.547	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.554	79	79697	50.302	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	115013	84.360	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.152	84	227542	48.553	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	203731	51.851	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	141792	48.906	ug/L	100
3) Chloromethane	1.217	50	140541	45.370	ug/L	100
5) Vinyl chloride	1.285	62	147105	47.534	ug/L	100
6) Bromomethane	1.484	94	100948	56.334	ug/L	100
8) Chloroethane	1.548	64	100015	51.182	ug/L	100
9) Trichlorofluoromethane	1.715	101	228915	55.440	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	140496	56.327	ug/L	100
12) 1,1-Dichloroethene	2.069	96	119488	52.609	ug/L	100
13) Acetone	2.111	43	219434	115.889	ug/L	100
14) Carbon disulfide	2.243	76	299965	43.261	ug/L	100
15) Methyl Acetate	2.371	43	119266	39.873	ug/L	100
16) Methylene chloride	2.449	84	144335	50.885	ug/L	100
17) trans-1,2-Dichloroethene	2.696	96	118348	47.428	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	360043	44.474	ug/L	100
19) 1,1-Dichloroethane	3.114	63	220157	45.766	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	129031	46.570	ug/L	100
22) 2-Butanone	3.863	43	194153	83.816	ug/L	100
23) Bromochloromethane	4.149	128	71974	50.793	ug/L	100
25) Chloroform	4.278	83	252806	52.048	ug/L	100
27) 1,2-Dichloroethane	5.043	62	191358	52.443	ug/L	100
29) Cyclohexane	4.587	56	166134	33.464	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	215634	45.823	ug/L	100
31) Carbon tetrachloride	4.738	117	190205	46.590	ug/L	100
33) Benzene	5.011	78	506474	42.968	ug/L	100
34) Trichloroethene	5.834	95	133469	41.050	ug/L	100
35) Methylcyclohexane	6.053	83	219736	42.160	ug/L	100
37) 1,2-Dichloropropane	6.095	63	142260	43.317	ug/L	100
38) Bromodichloromethane	6.432	83	200349	48.071	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	200358	39.779	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	337490	73.007	ug/L	100
42) Toluene	7.316	91	596461	46.438	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	213165	45.055	ug/L	100

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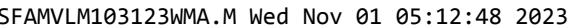
Quant Time: Nov 01 05:12:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:10:30 2023
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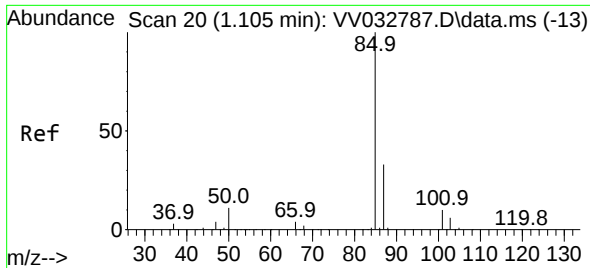
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	151468	48.012	ug/L	100
46) Tetrachloroethene	7.905	164	120251	49.061	ug/L	100
48) 2-Hexanone	8.075	43	291166	79.049	ug/L	100
49) Dibromochloromethane	8.178	129	152734	48.520	ug/L	100
50) 1,2-Dibromoethane	8.284	107	154728	46.498	ug/L	100
51) Chlorobenzene	8.815	112	394837	47.329	ug/L	100
52) Ethylbenzene	8.947	91	645203	45.222	ug/L	100
53) m,p-Xylene	9.075	106	251290	46.806	ug/L	100
54) o-Xylene	9.480	106	239421	45.634	ug/L	100
55) Styrene	9.496	104	438932	48.398	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	220455	45.459	ug/L	100
59) Bromoform	9.667	173	113321	48.211	ug/L	100
60) Isopropylbenzene	9.869	105	654325	44.880	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	167691	42.102	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	522987	43.887	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	508189	43.450	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	329810	47.496	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	337353	47.899	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	331027	48.433	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	42977	39.360	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	232898	46.328	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	201615	43.418	ug/L	100
71) Naphthalene	13.442	128	545726	36.797	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	215455	46.177	ug/L	100

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

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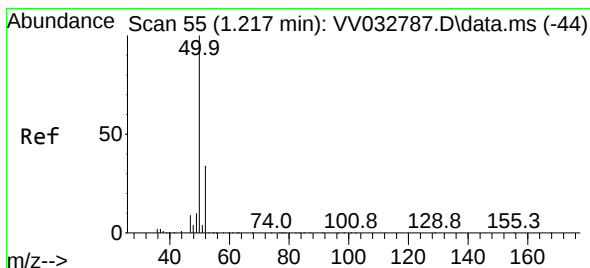
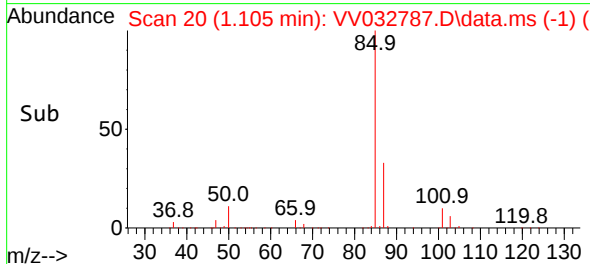
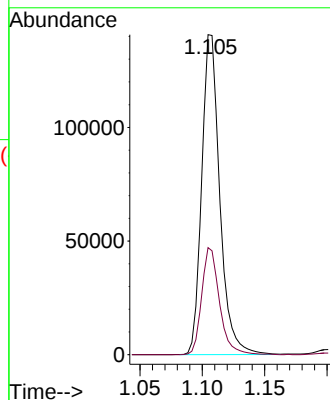
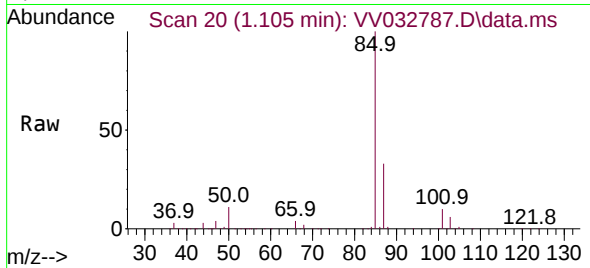




#2
 Dichlorodifluoromethane
 Concen: 48.906 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032787.D
 Acq: 31 Oct 2023 09:34

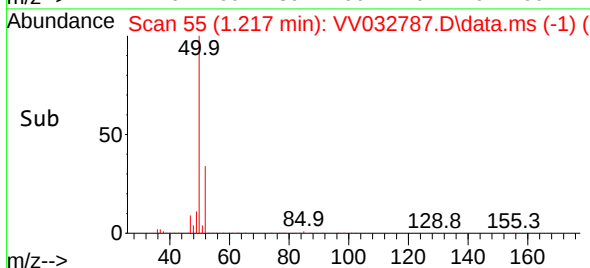
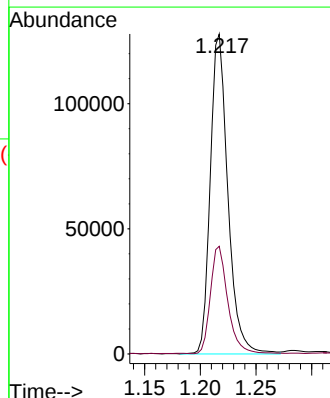
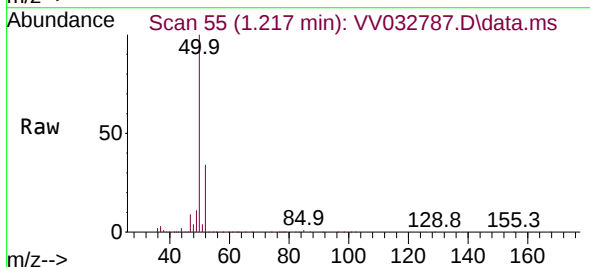
Instrument :
 MSVOA_V
 ClientSampleId :

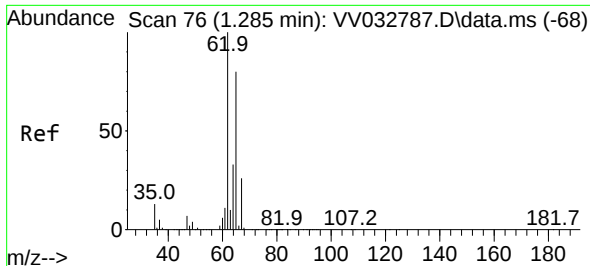
Tgt Ion: 85 Resp: 141792
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4



#3
 Chloromethane
 Concen: 45.370 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032787.D
 Acq: 31 Oct 2023 09:34

Tgt Ion: 50 Resp: 140541
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.5 43.7

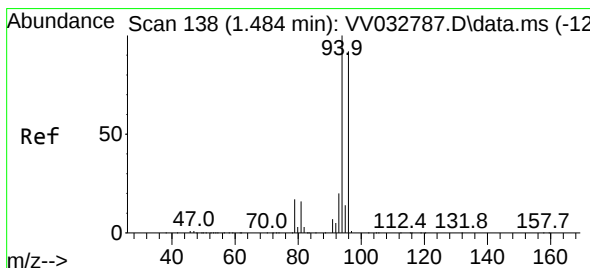
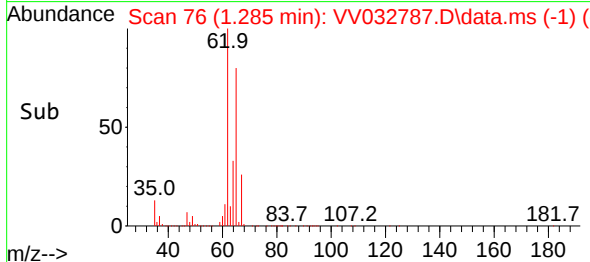
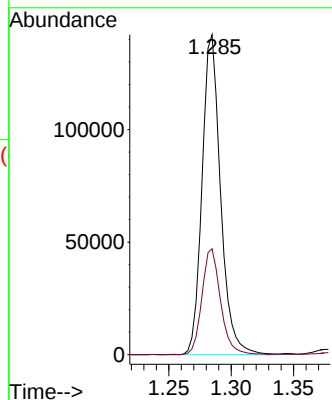
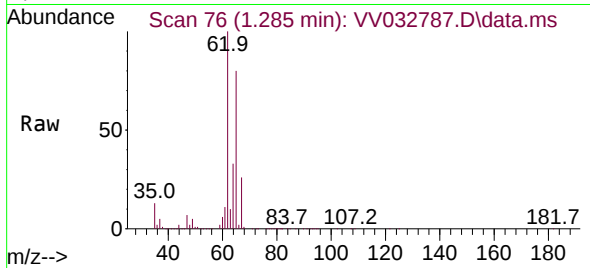




#5
 Vinyl chloride
 Concen: 47.534 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032787.D
 Acq: 31 Oct 2023 09:34

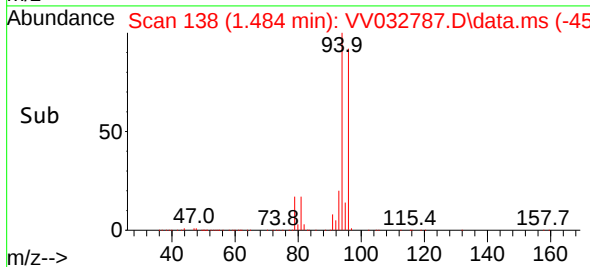
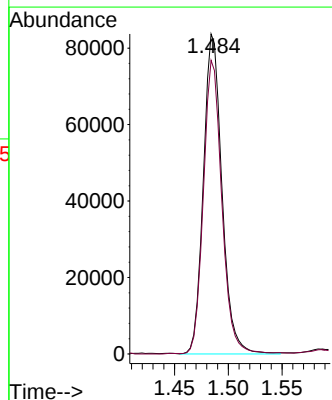
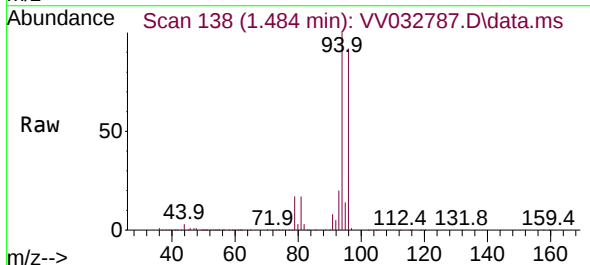
Instrument :
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 ClientSampleId :

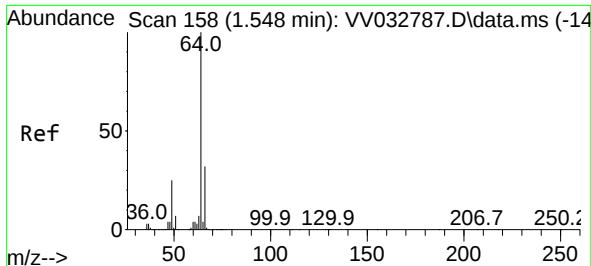
Tgt Ion: 62 Resp: 147105
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.0



#6
 Bromomethane
 Concen: 56.334 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032787.D
 Acq: 31 Oct 2023 09:34

Tgt Ion: 94 Resp: 100948
 Ion Ratio Lower Upper
 94 100
 96 91.7 64.2 119.2

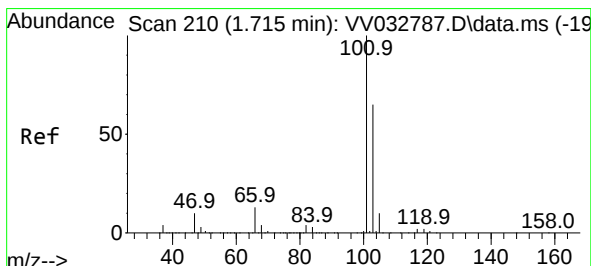
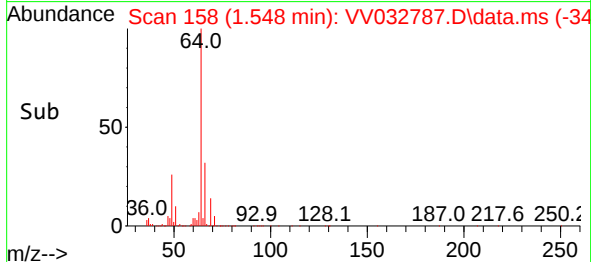
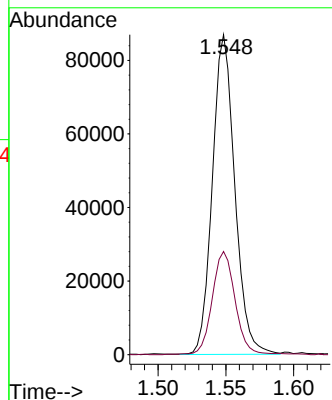
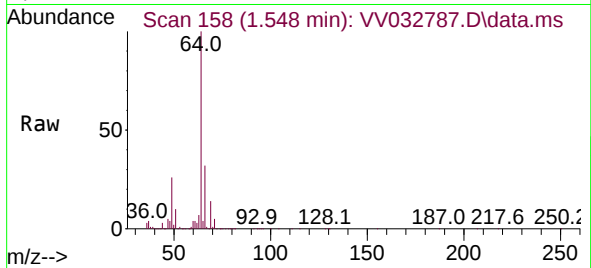




#8
Chloroethane
Concen: 51.182 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

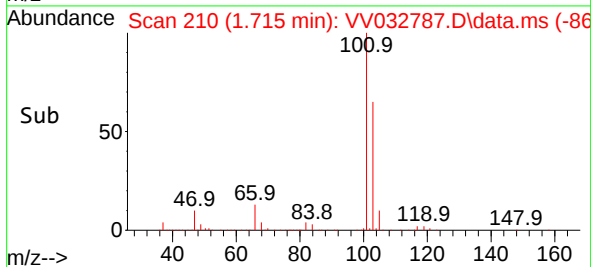
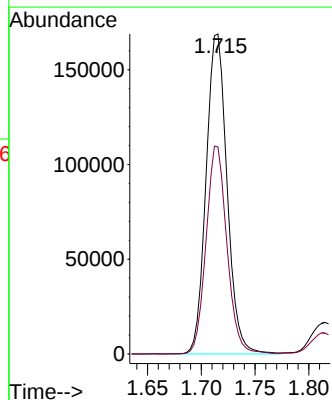
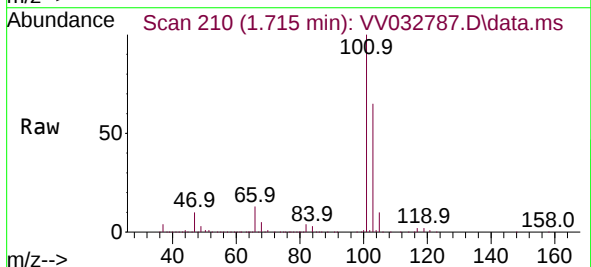
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MSVOA_V
ClientSampleId :

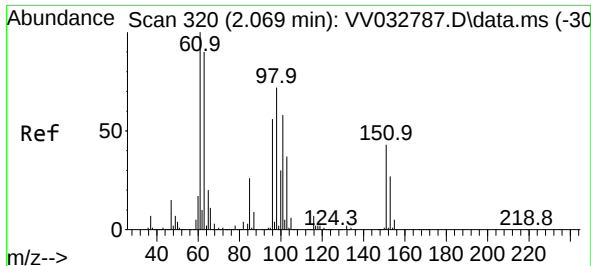
Tgt Ion: 64 Resp: 10015
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 55.440 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion:101 Resp: 228915
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5





#10

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

Concen: 56.327 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

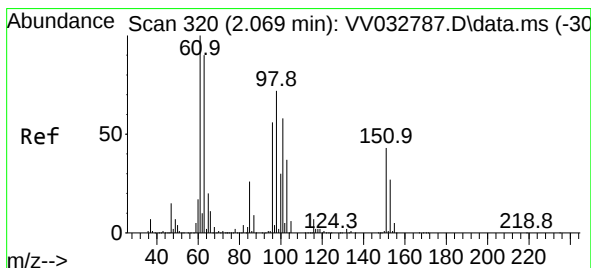
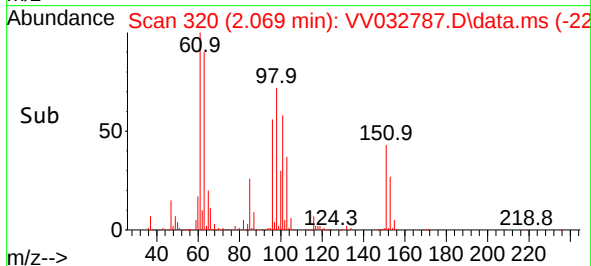
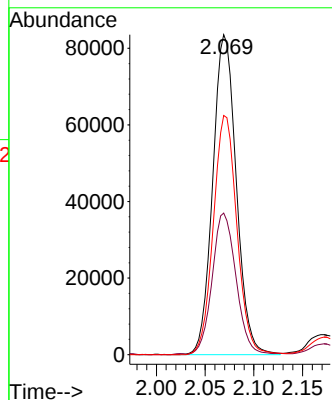
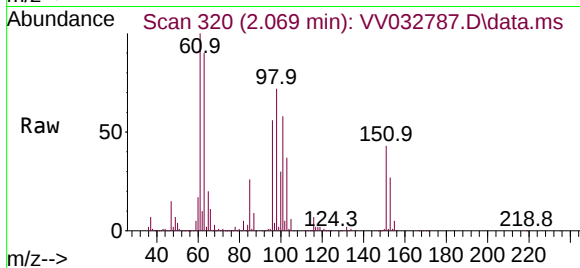
Tgt Ion:101 Resp: 140496

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

151 74.9 59.9 89.9



#12

1,1-Dichloroethene

Concen: 52.609 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

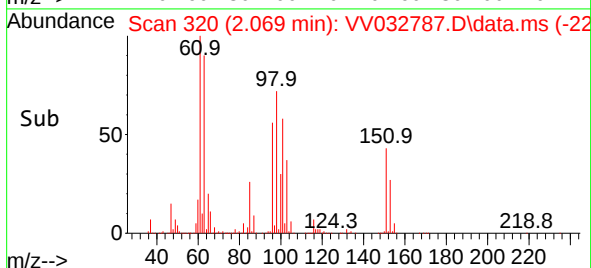
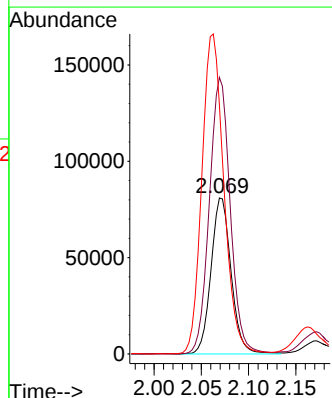
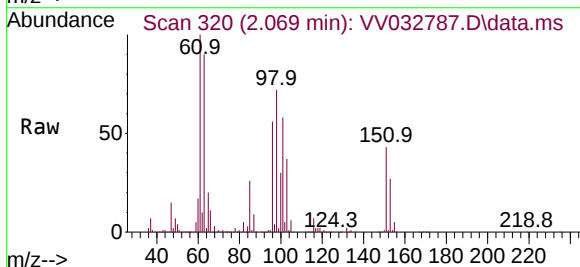
Tgt Ion: 96 Resp: 119488

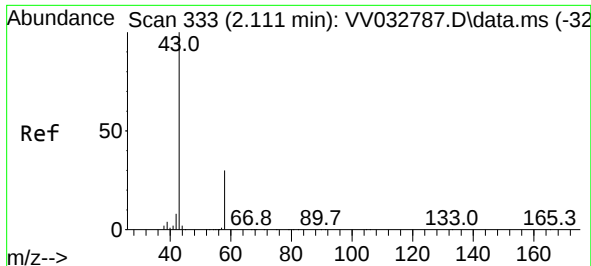
Ion Ratio Lower Upper

96 100

61 177.4 124.2 230.6

63 159.7 111.8 207.6





#13

Acetone

Concen: 115.889 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

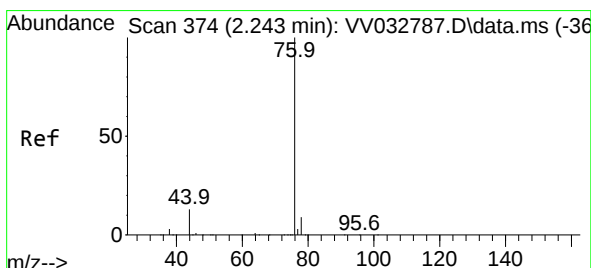
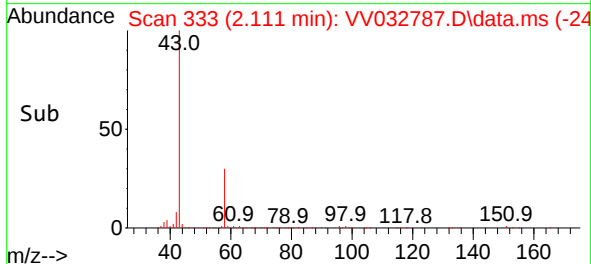
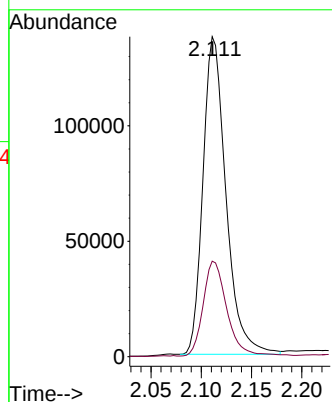
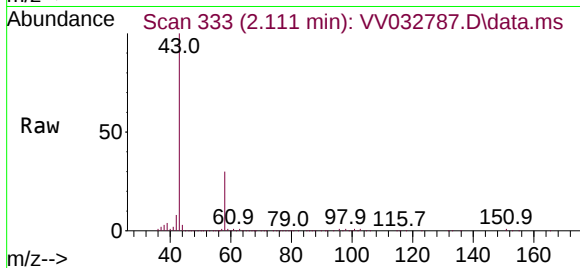
ClientSampleId :

Tgt Ion: 43 Resp: 219434

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 43.261 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032787.D

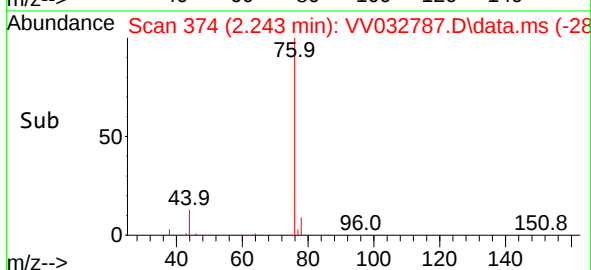
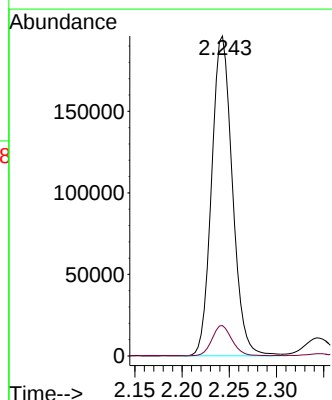
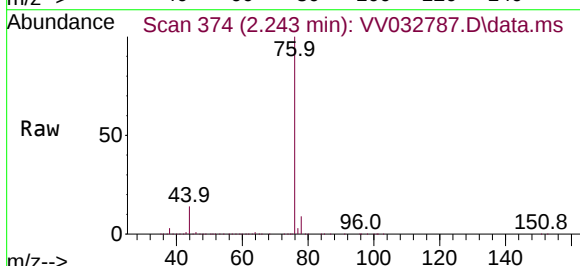
Acq: 31 Oct 2023 09:34

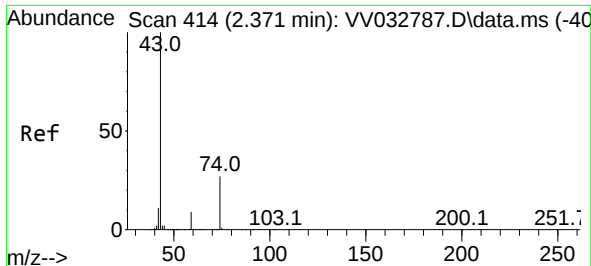
Tgt Ion: 76 Resp: 299965

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

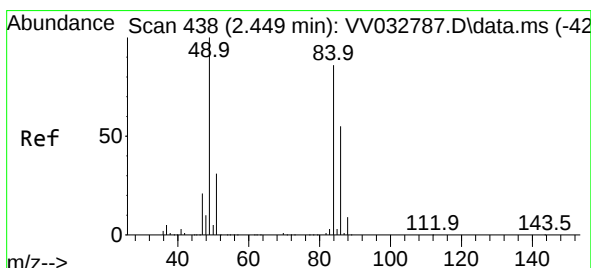
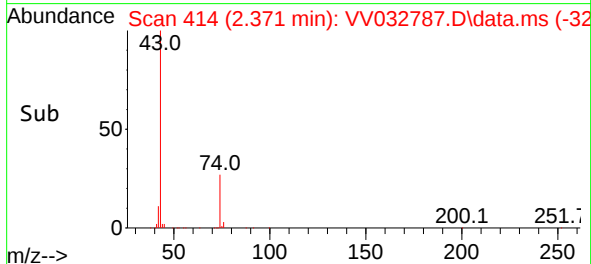
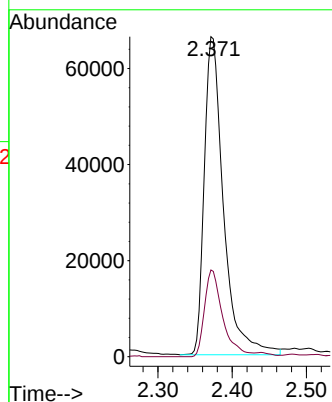
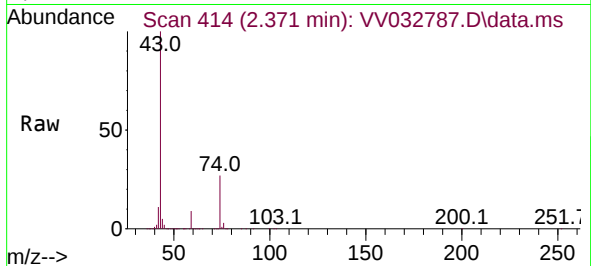




#15
Methyl Acetate
Concen: 39.873 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

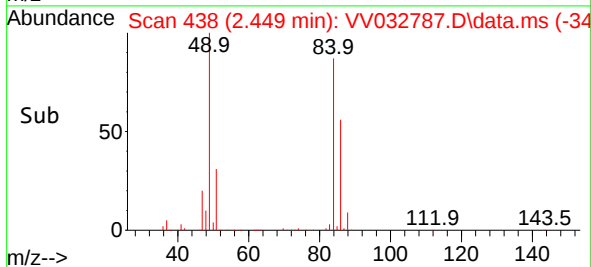
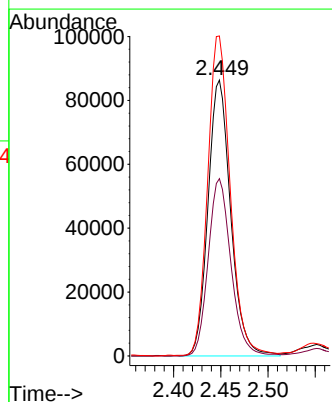
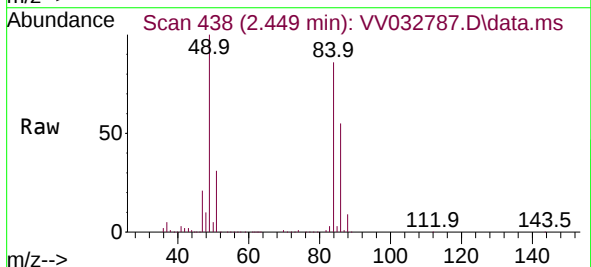
Instrument :
MSVOA_V
ClientSampleId :

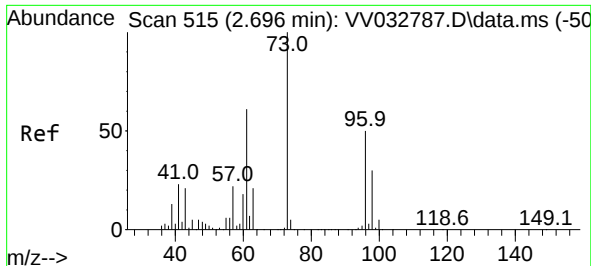
Tgt Ion: 43 Resp: 119266
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8



#16
Methylene chloride
Concen: 50.885 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion: 84 Resp: 144335
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 116.0 81.2 150.8

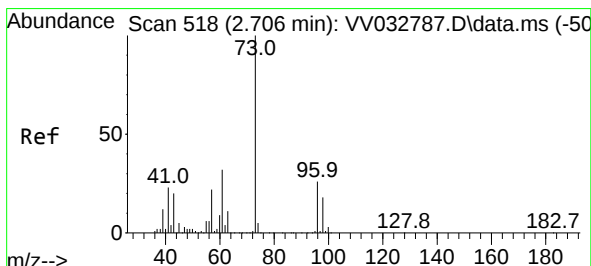
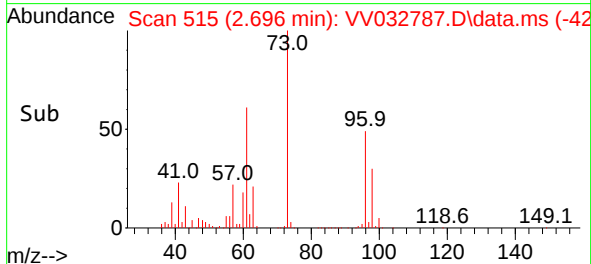
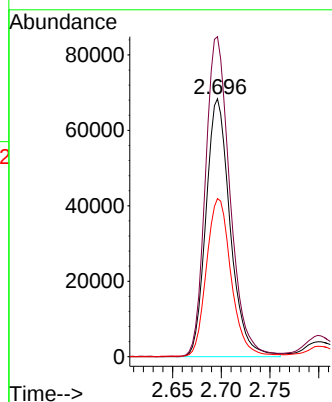
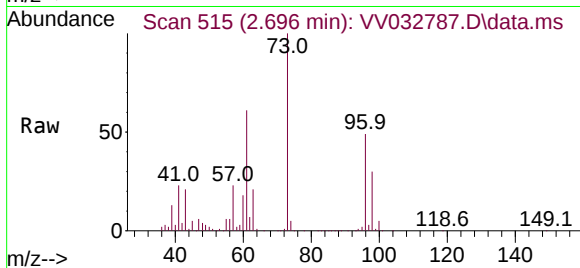




#17
trans-1,2-Dichloroethene
Concen: 47.428 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

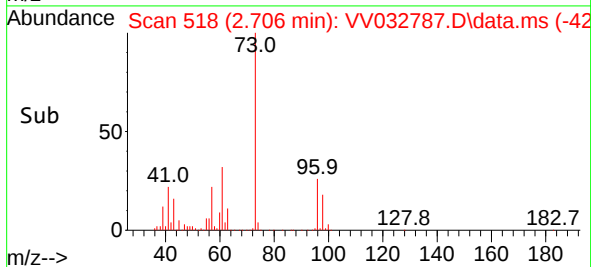
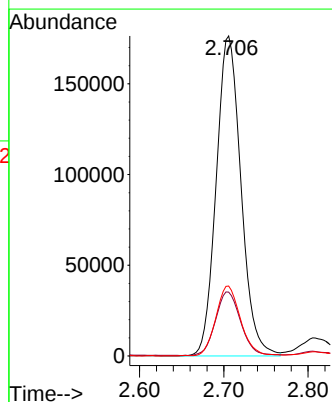
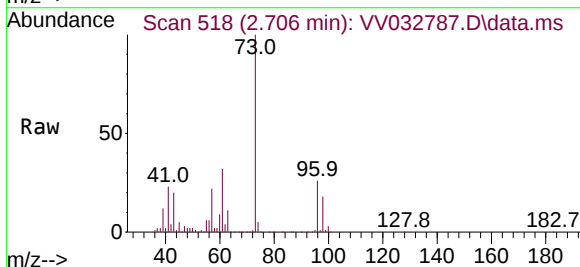
Instrument :
MSVOA_V
ClientSampleId :

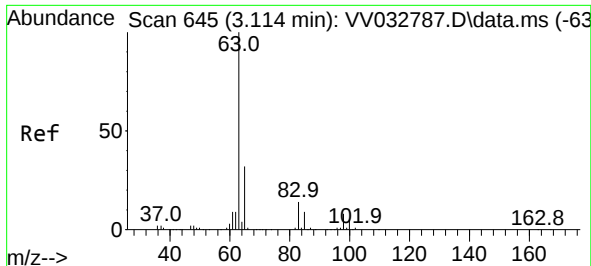
Tgt Ion: 96 Resp: 118348
Ion Ratio Lower Upper
96 100
61 124.1 86.9 161.3
98 61.3 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 44.474 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion: 73 Resp: 360043
Ion Ratio Lower Upper
73 100
43 20.1 16.1 24.1
57 21.7 17.4 26.0

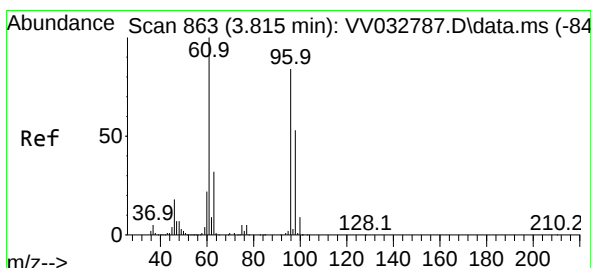
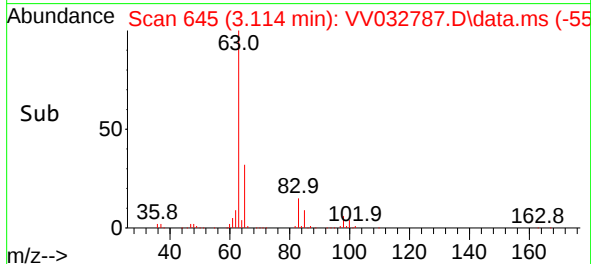
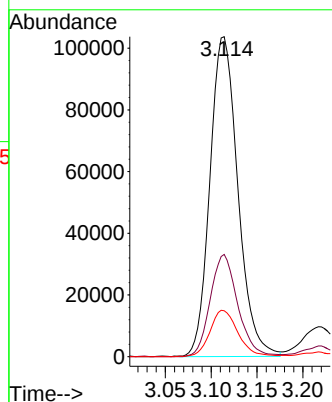
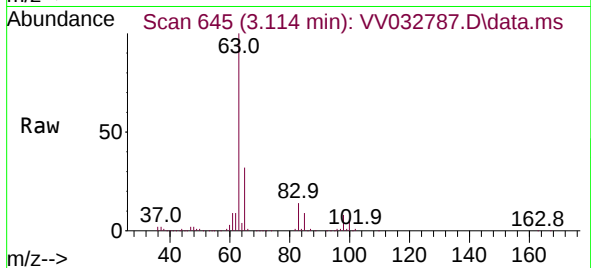




#19
1,1-Dichloroethane
Concen: 45.766 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

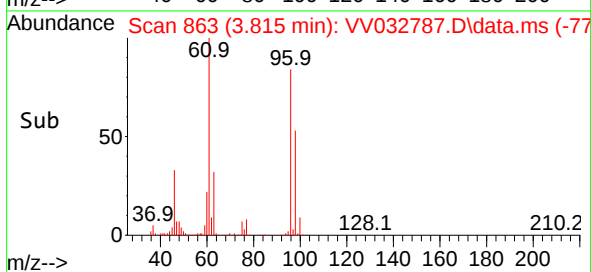
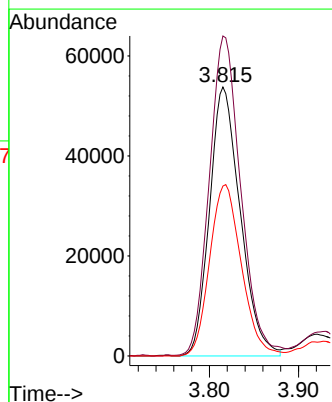
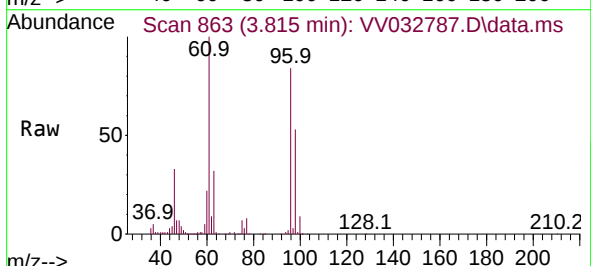
Instrument :
MSVOA_V
ClientSampleId :

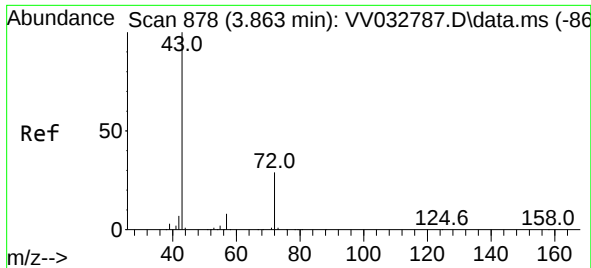
Tgt Ion: 63 Resp: 220157
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.5
83 14.4 10.1 18.7



#20
cis-1,2-Dichloroethene
Concen: 46.570 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion: 96 Resp: 129031
Ion Ratio Lower Upper
96 100
61 119.0 83.3 154.7
98 63.2 44.2 82.2

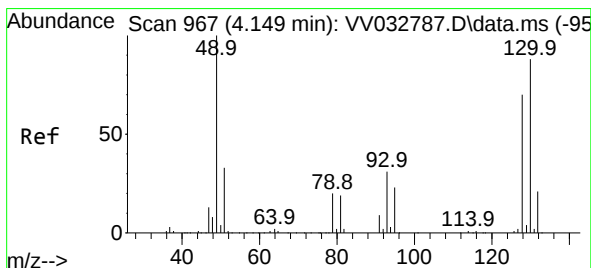
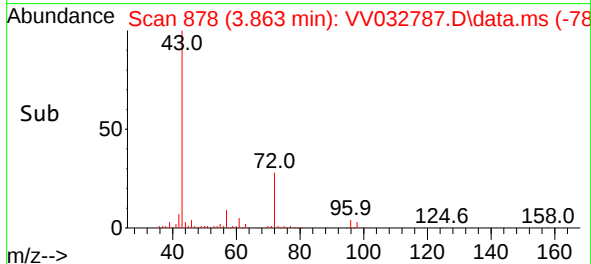
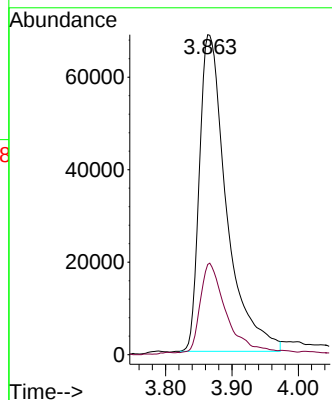
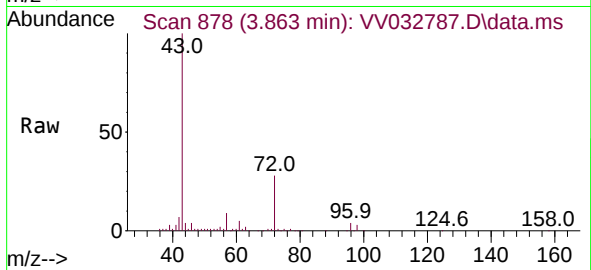




#22
2-Butanone
Concen: 83.816 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

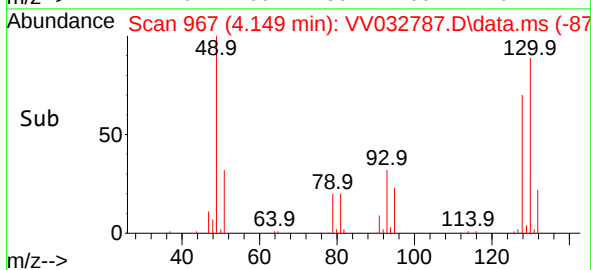
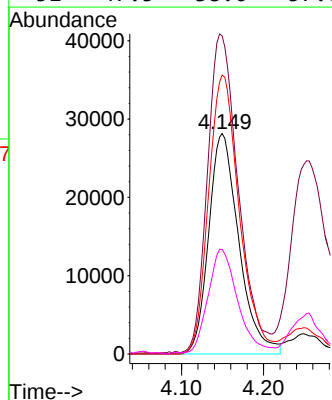
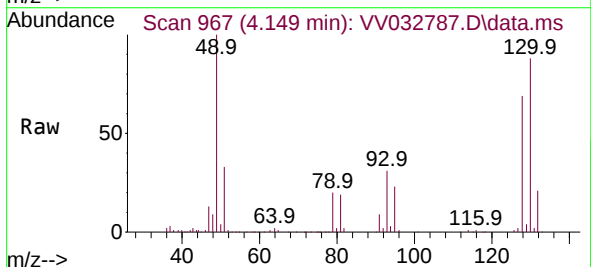
Instrument :
MSVOA_V
ClientSampleId :

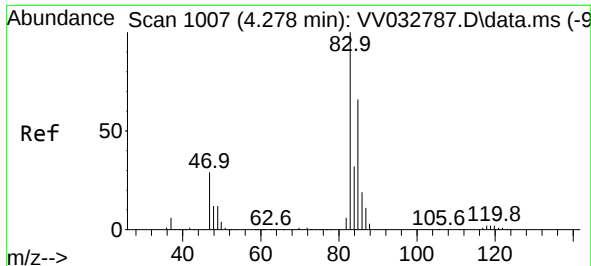
Tgt Ion: 43 Resp: 194153
Ion Ratio Lower Upper
43 100
72 26.9 13.5 40.4



#23
Bromochloromethane
Concen: 50.793 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion: 128 Resp: 71974
Ion Ratio Lower Upper
128 100
49 144.3 101.0 187.6
130 126.5 88.5 164.4
51 47.5 38.0 57.0





#25

Chloroform

Concen: 52.048 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

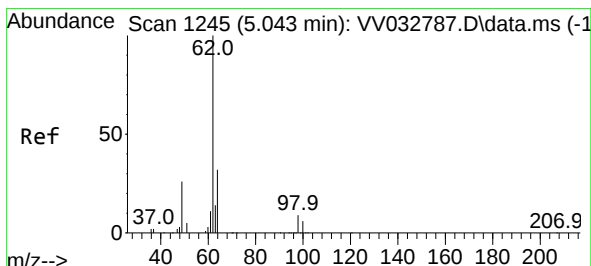
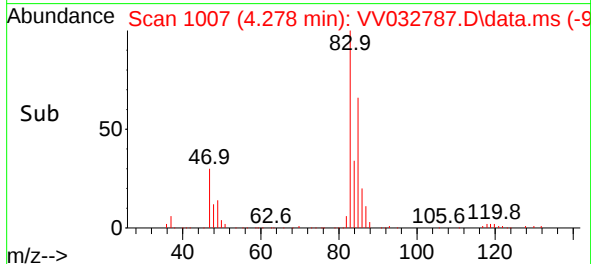
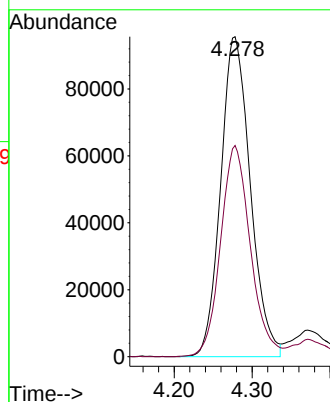
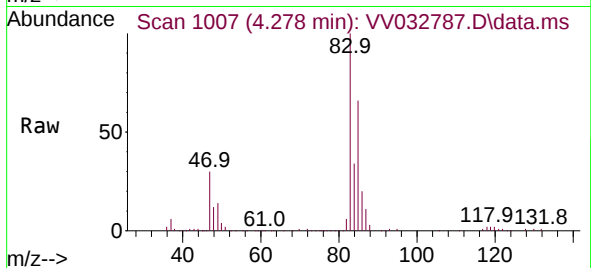
ClientSampleId :

Tgt Ion: 83 Resp: 252806

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 52.443 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV032787.D

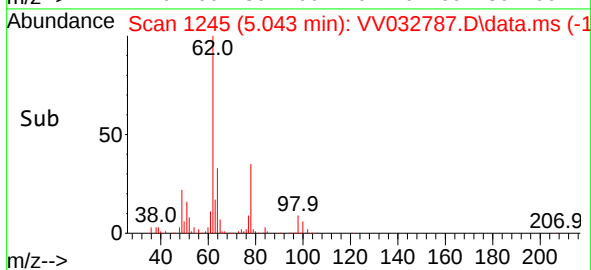
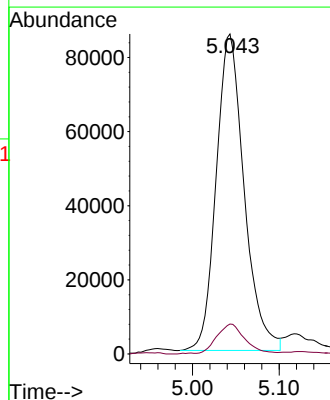
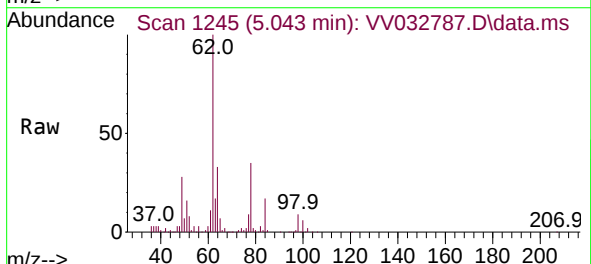
Acq: 31 Oct 2023 09:34

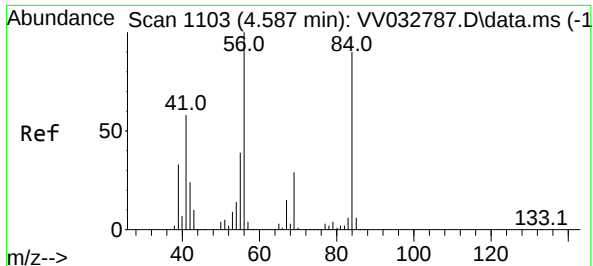
Tgt Ion: 62 Resp: 191358

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 33.464 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

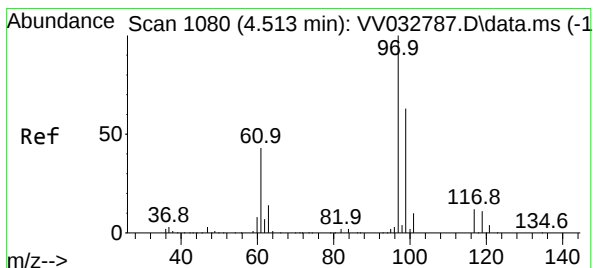
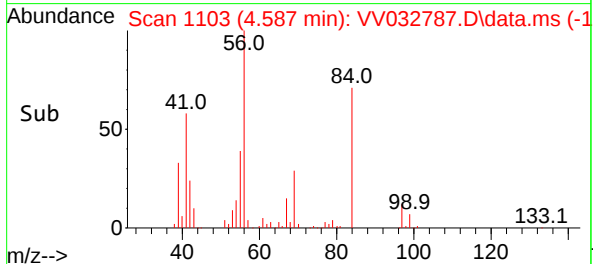
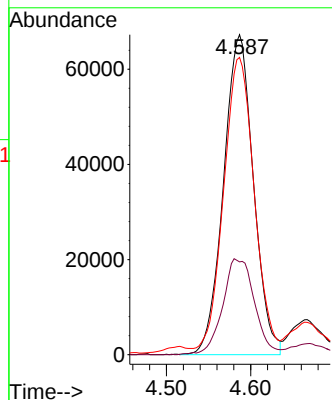
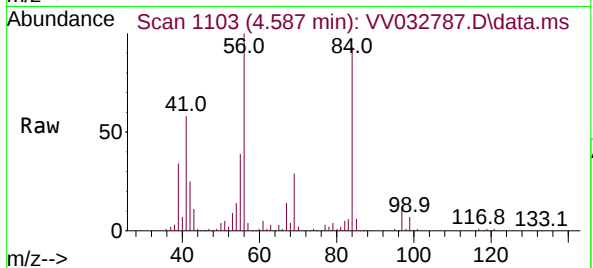
Tgt Ion: 56 Resp: 166134

Ion Ratio Lower Upper

56 100

69 16.7 13.4 20.0

84 94.1 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 45.823 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

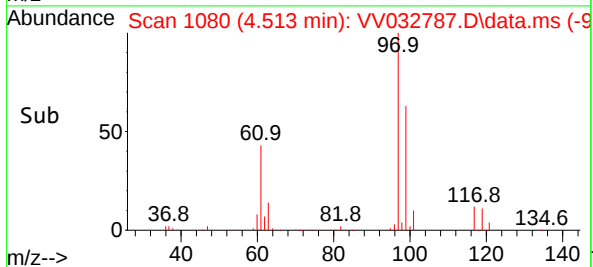
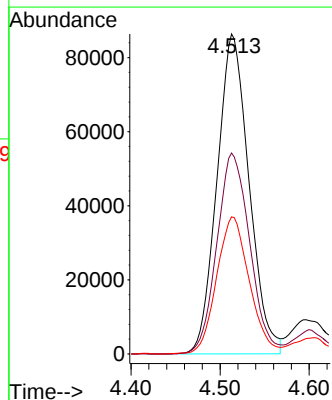
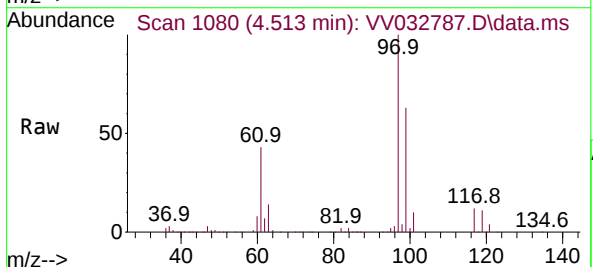
Tgt Ion: 97 Resp: 215634

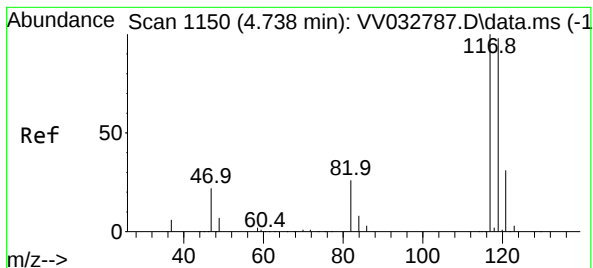
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 43.5 34.8 52.2





#31

Carbon tetrachloride

Concen: 46.590 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

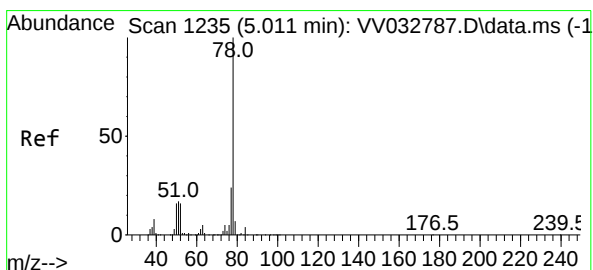
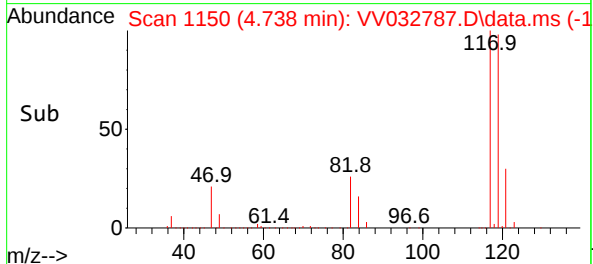
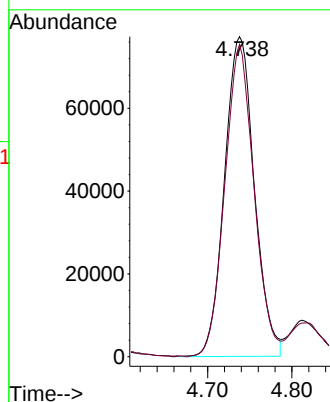
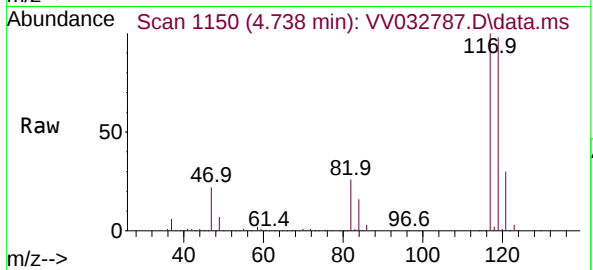
ClientSampleId :

Tgt Ion:117 Resp: 190205

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



#33

Benzene

Concen: 42.968 ug/L

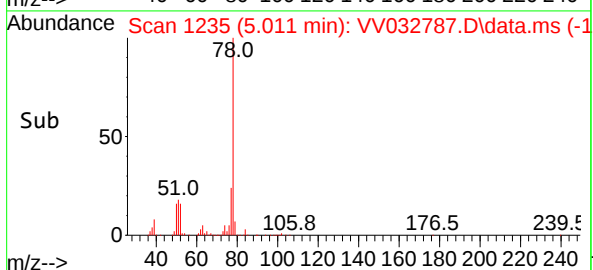
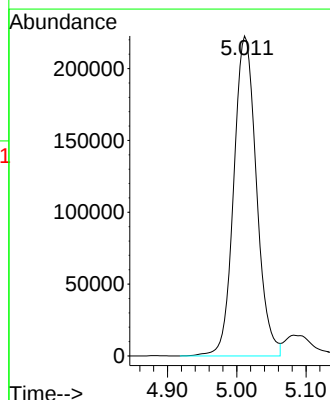
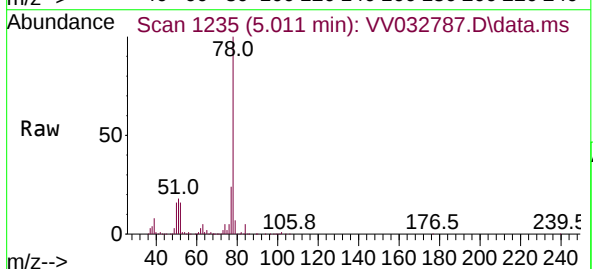
RT: 5.011 min Scan# 1235

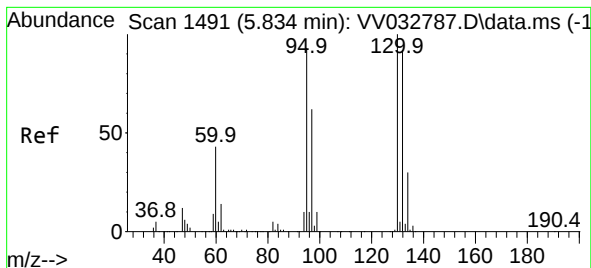
Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Tgt Ion: 78 Resp: 506474





#34

Trichloroethene

Concen: 41.050 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 133469

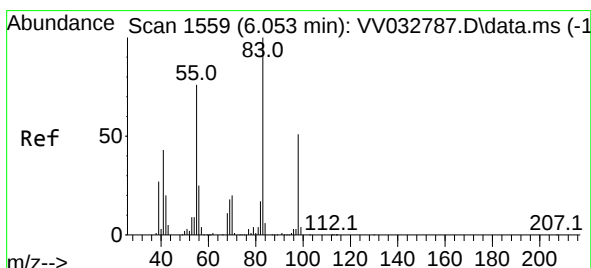
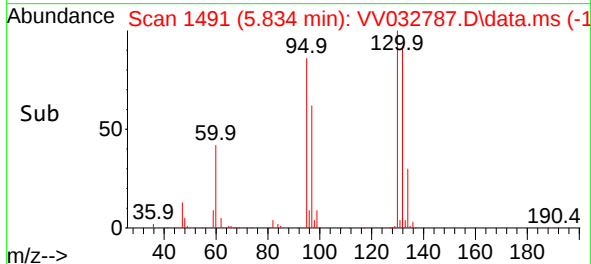
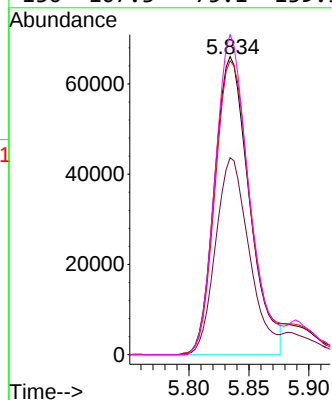
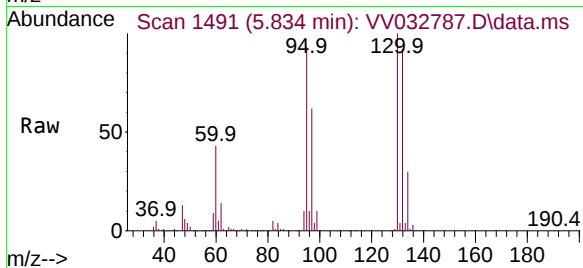
Ion Ratio Lower Upper

95 100

97 66.1 46.3 85.9

132 98.6 69.0 128.2

130 107.3 75.1 139.5



#35

Methylcyclohexane

Concen: 42.160 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

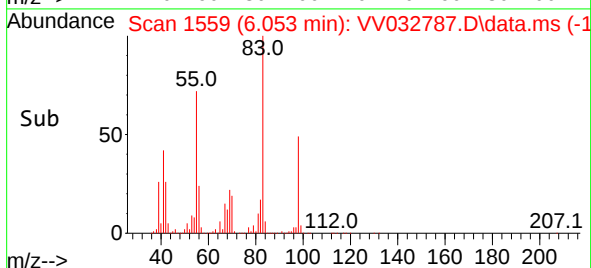
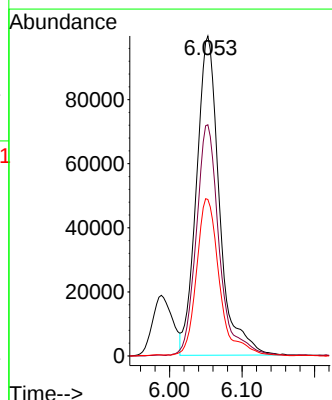
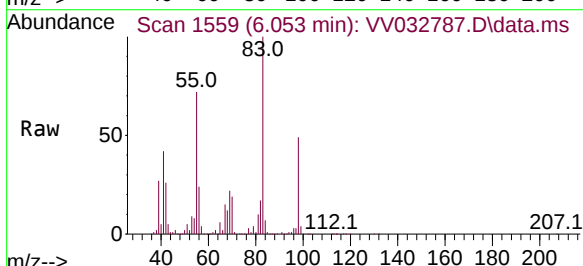
Tgt Ion: 83 Resp: 219736

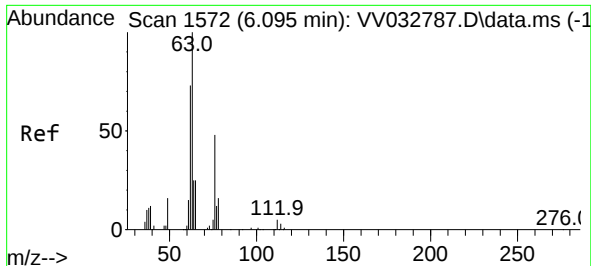
Ion Ratio Lower Upper

83 100

55 72.3 57.8 86.8

98 49.3 39.4 59.2





#37

1,2-Dichloropropane

Concen: 43.317 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

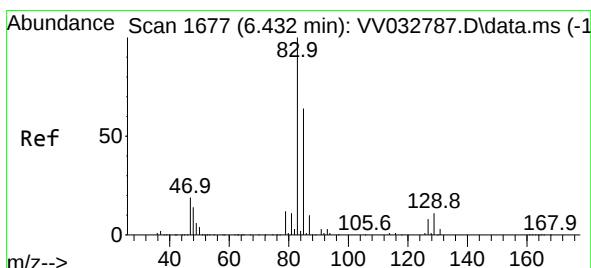
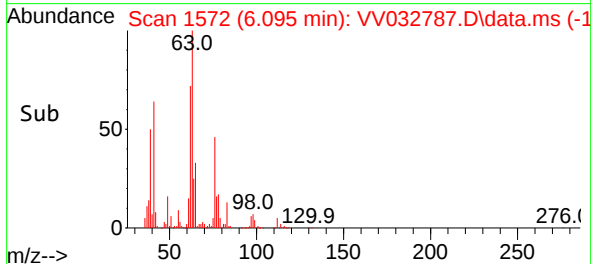
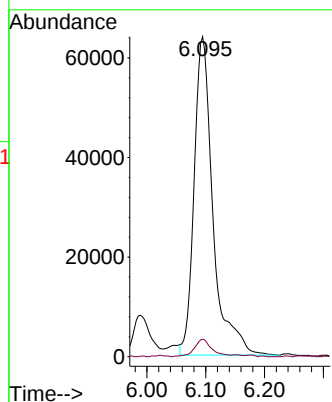
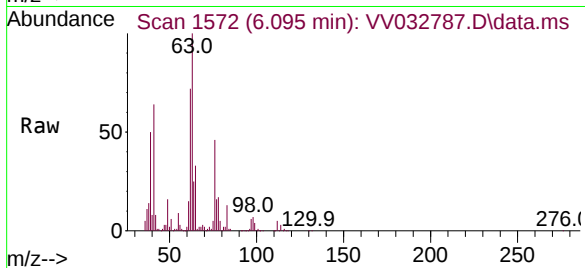
ClientSampleId :

Tgt Ion: 63 Resp: 142260

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 48.071 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

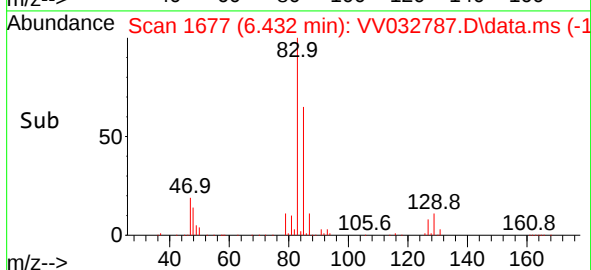
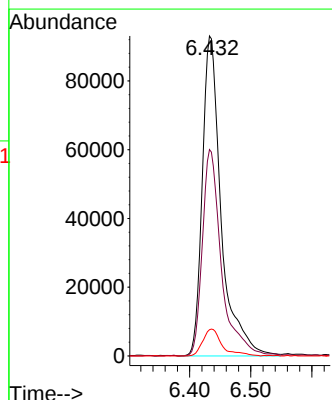
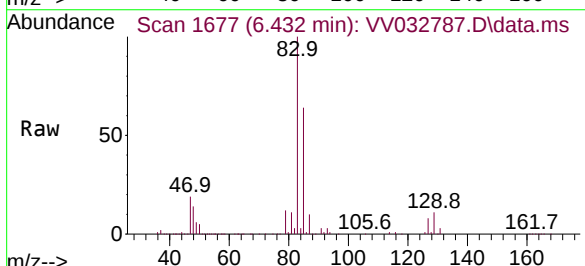
Tgt Ion: 83 Resp: 200349

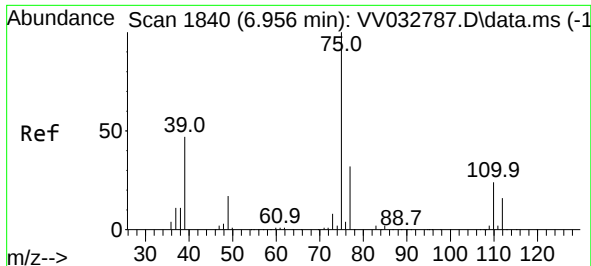
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 39.779 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

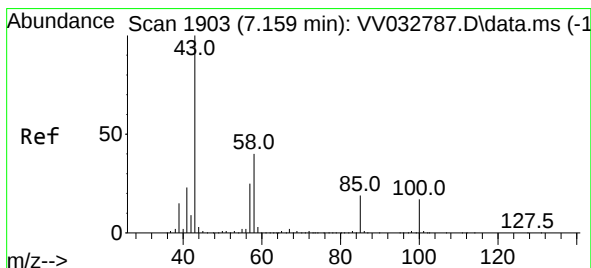
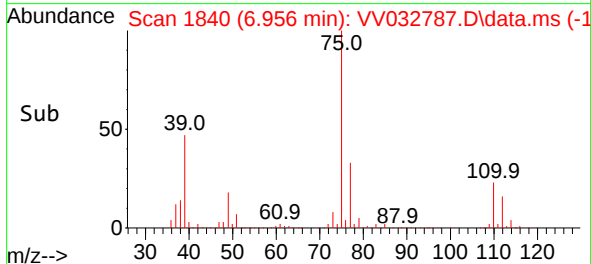
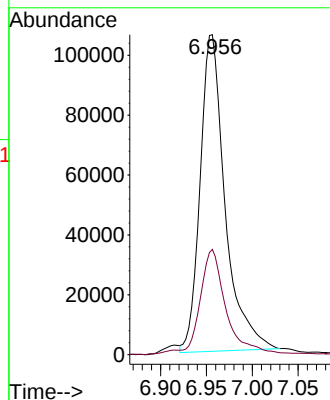
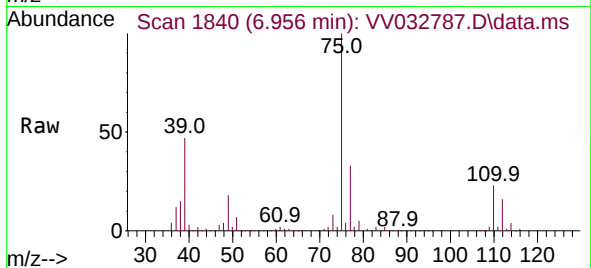
ClientSampleId :

Tgt Ion: 75 Resp: 200358

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 73.007 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

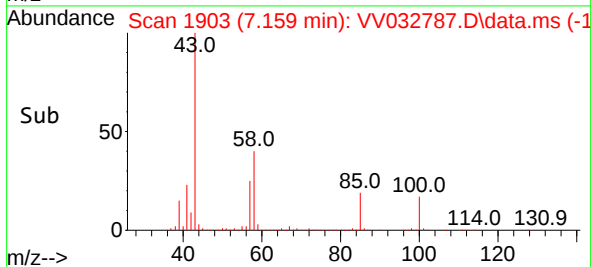
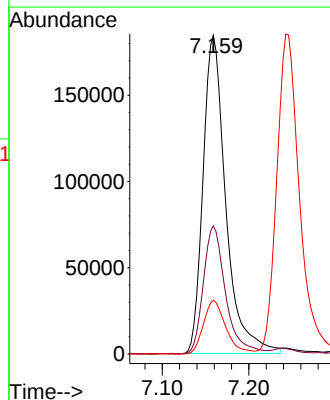
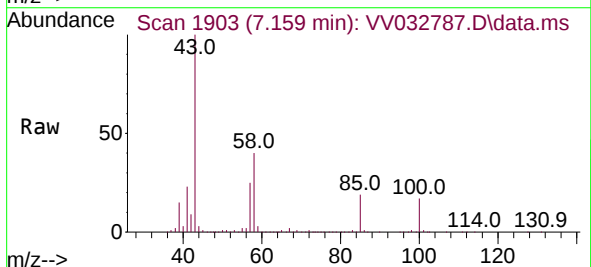
Tgt Ion: 43 Resp: 337490

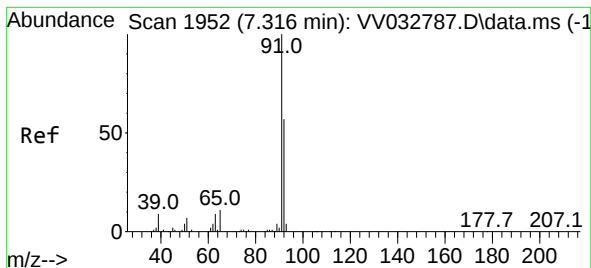
Ion Ratio Lower Upper

43 100

58 39.2 31.4 47.0

100 16.6 13.3 19.9





#42

Toluene

Concen: 46.438 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

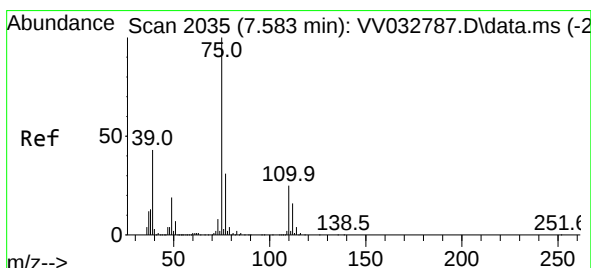
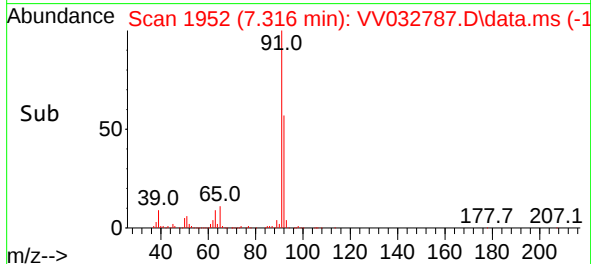
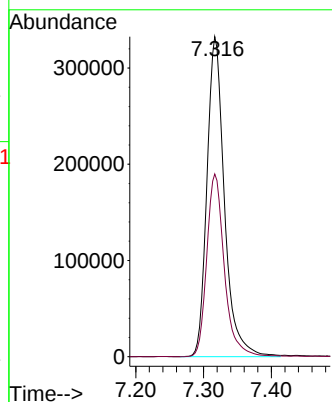
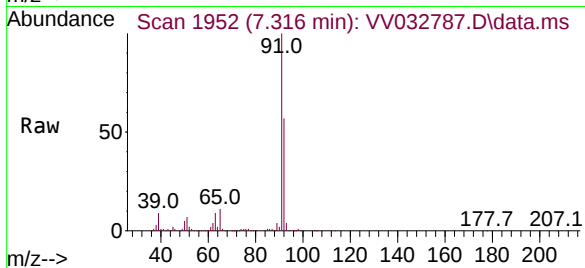
ClientSampleId :

Tgt Ion: 91 Resp: 596461

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 45.055 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032787.D

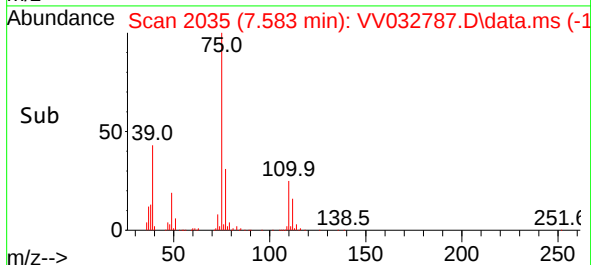
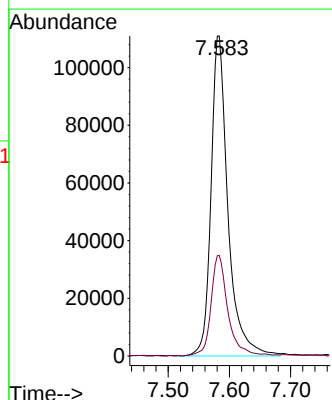
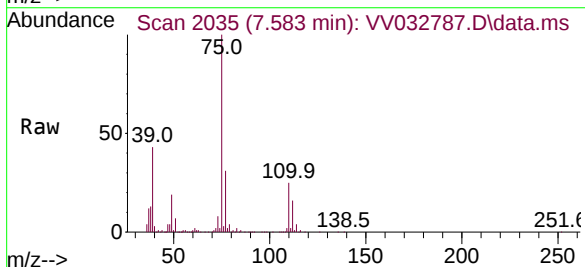
Acq: 31 Oct 2023 09:34

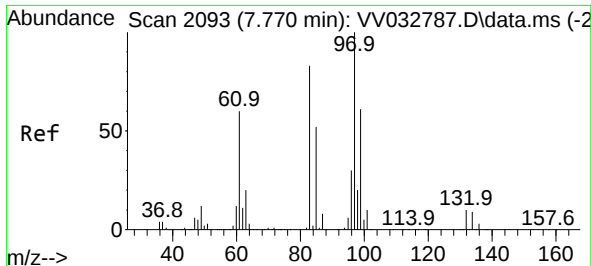
Tgt Ion: 75 Resp: 213165

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 48.012 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 151468

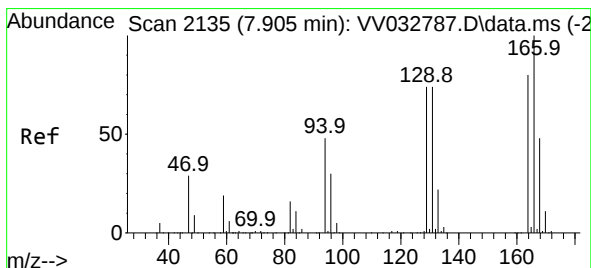
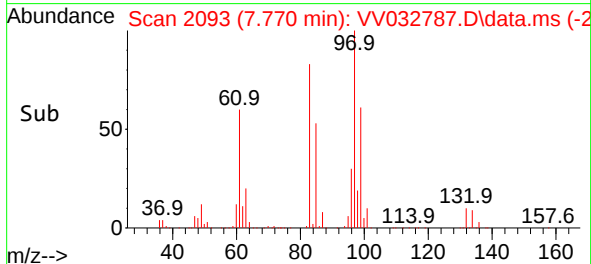
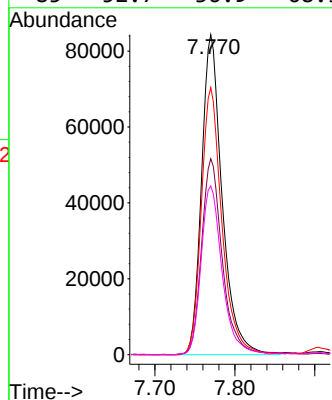
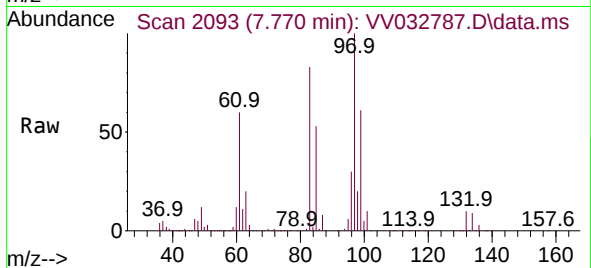
Ion Ratio Lower Upper

97 100

99 61.2 42.8 79.6

83 83.4 58.4 108.4

85 52.7 36.9 68.5



#46

Tetrachloroethene

Concen: 49.061 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Tgt Ion: 164 Resp: 120251

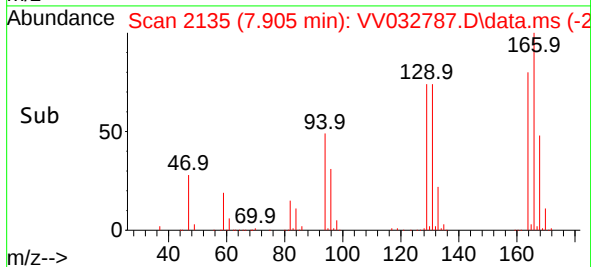
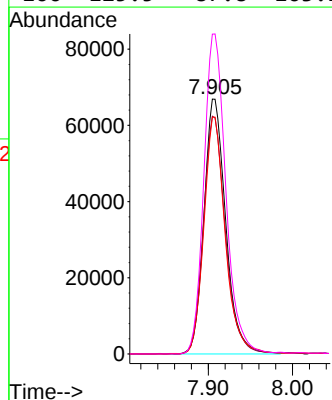
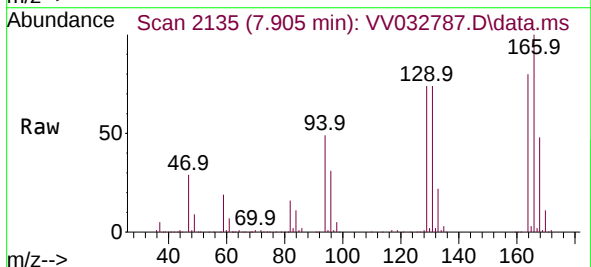
Ion Ratio Lower Upper

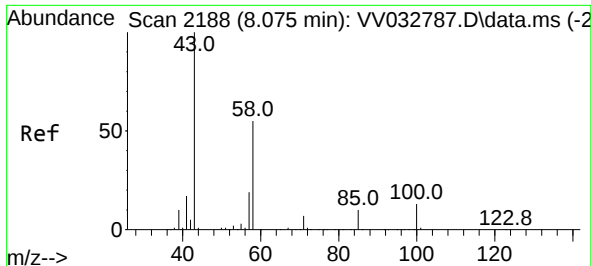
164 100

129 93.3 65.3 121.3

131 92.9 65.0 120.8

166 125.5 87.8 163.2



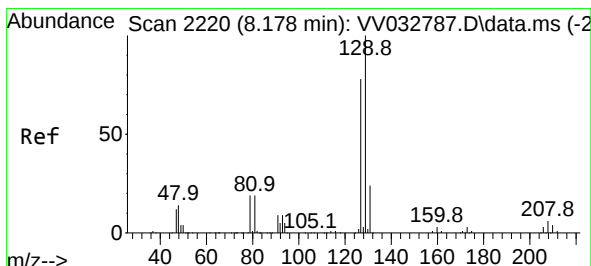
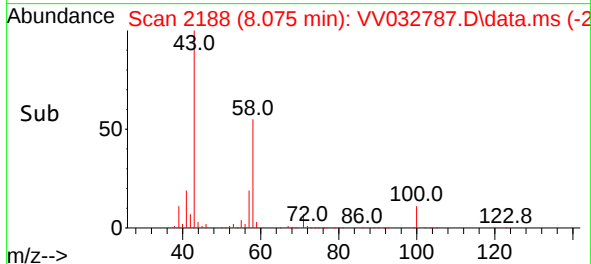
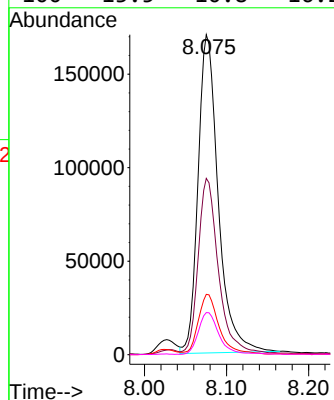
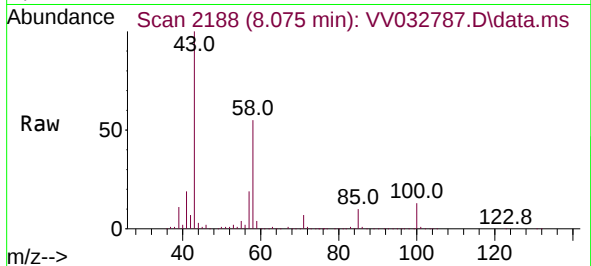


#48
2-Hexanone
Concen: 79.049 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 291166

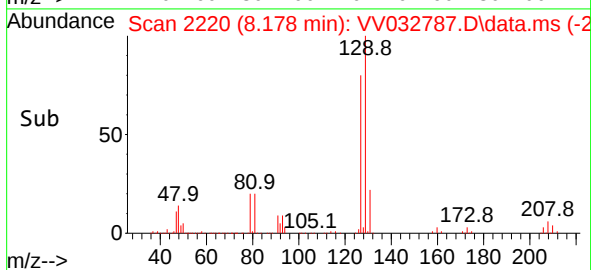
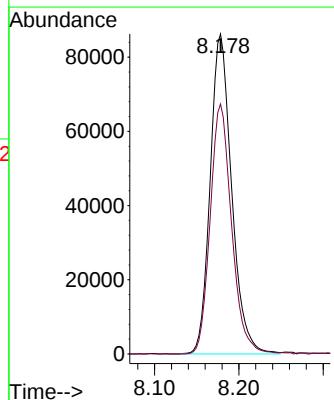
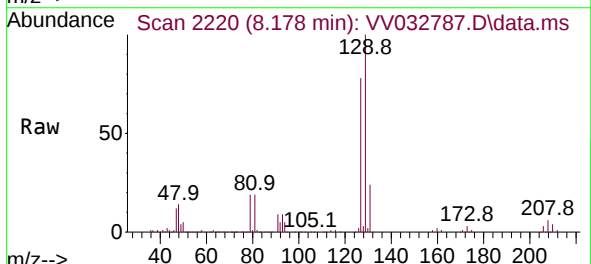
Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.3	64.9
57	19.4	15.5	23.3
100	13.5	10.8	16.2

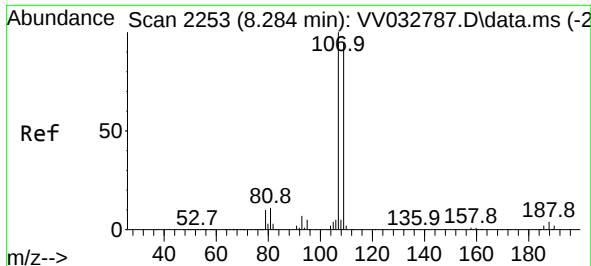


#49
Dibromochloromethane
Concen: 48.520 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion: 129 Resp: 152734

Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.7	101.5

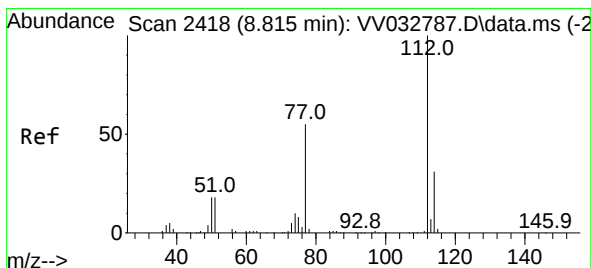
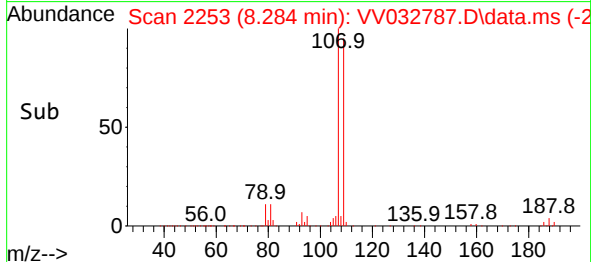
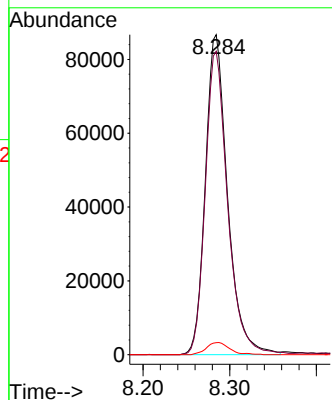
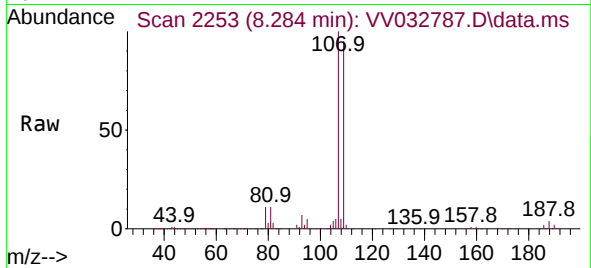




#50
1,2-Dibromoethane
Concen: 46.498 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

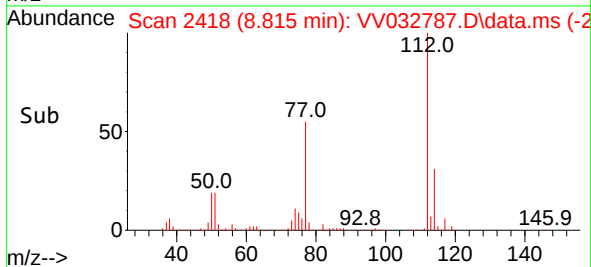
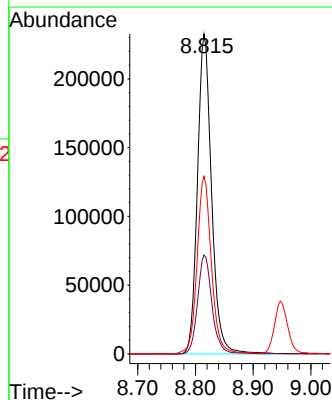
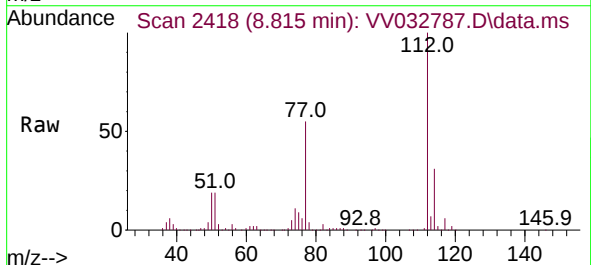
Instrument :
MSVOA_V
ClientSampleId :

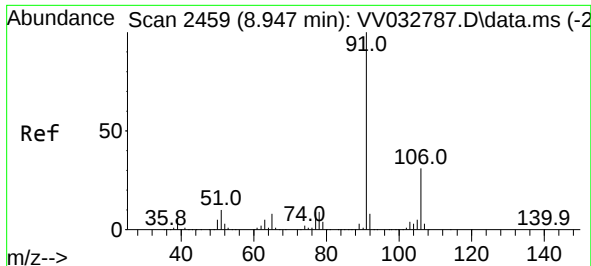
Tgt Ion:107 Resp: 154728
Ion Ratio Lower Upper
107 100
109 94.8 66.4 123.2
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 47.329 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion:112 Resp: 394837
Ion Ratio Lower Upper
112 100
114 30.9 21.6 40.2
77 55.5 44.4 66.6





#52

Ethylbenzene

Concen: 45.222 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

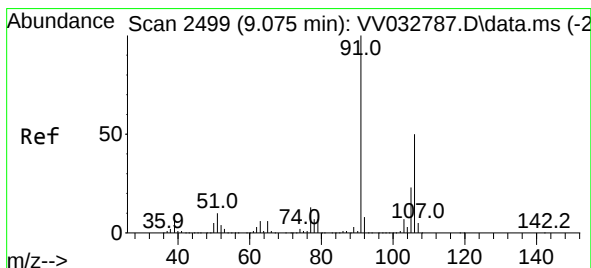
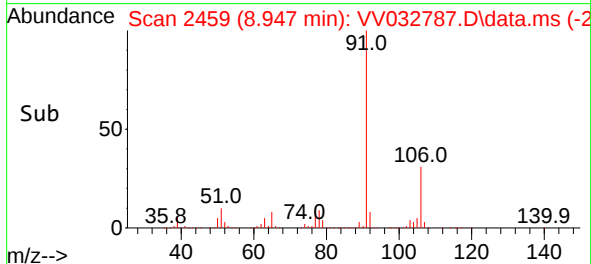
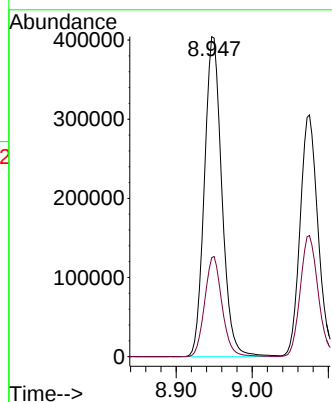
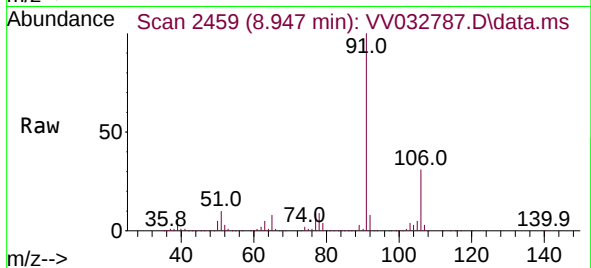
ClientSampleId :

Tgt Ion: 91 Resp: 645203

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-Xylene

Concen: 46.806 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032787.D

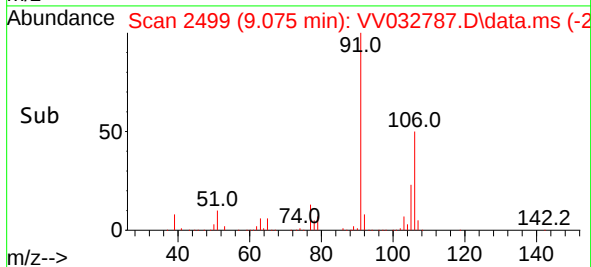
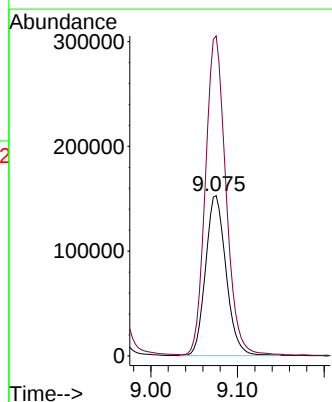
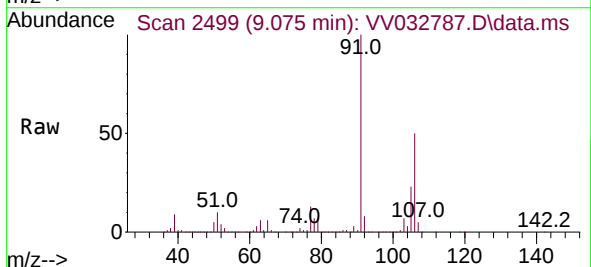
Acq: 31 Oct 2023 09:34

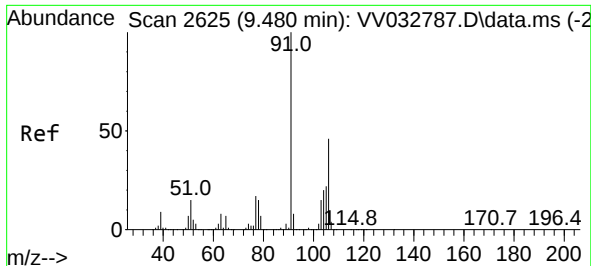
Tgt Ion: 106 Resp: 251290

Ion Ratio Lower Upper

106 100

91 199.6 139.7 259.5

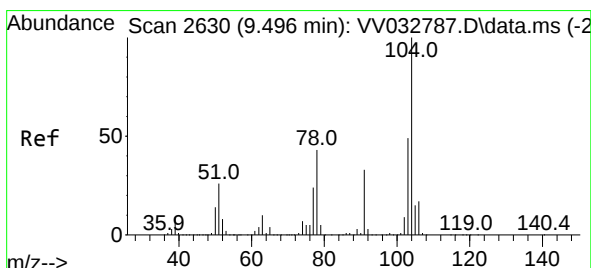
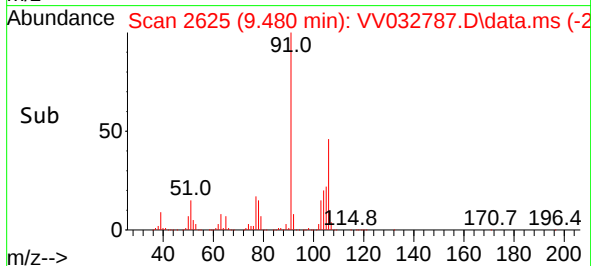
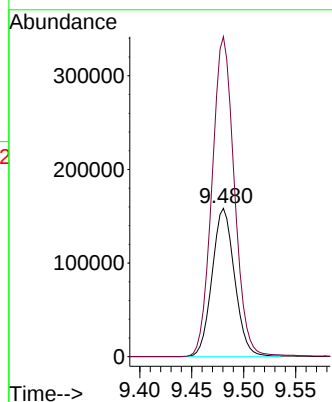
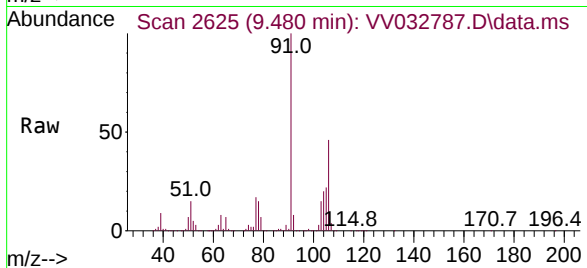




#54
o-Xylene
Concen: 45.634 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

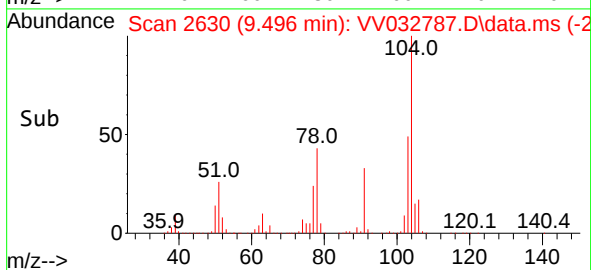
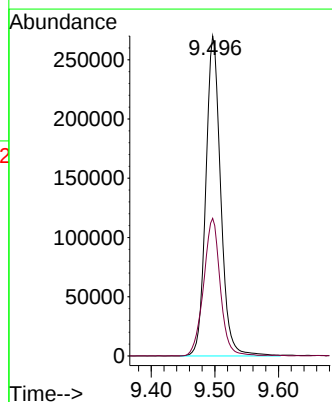
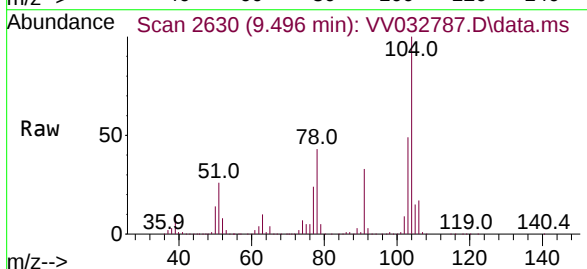
Instrument :
MSVOA_V
ClientSampleId :

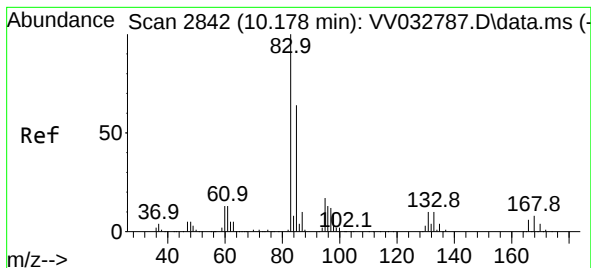
Tgt Ion:106 Resp: 239421
Ion Ratio Lower Upper
106 100
91 215.7 151.0 280.4



#55
Styrene
Concen: 48.398 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion:104 Resp: 438932
Ion Ratio Lower Upper
104 100
78 43.0 30.1 55.9

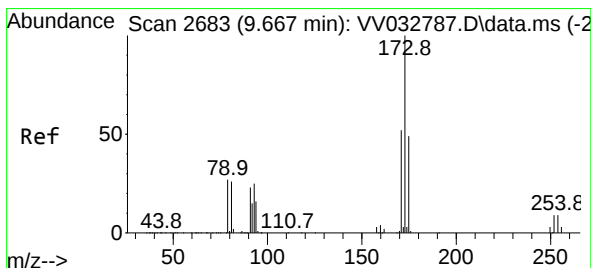
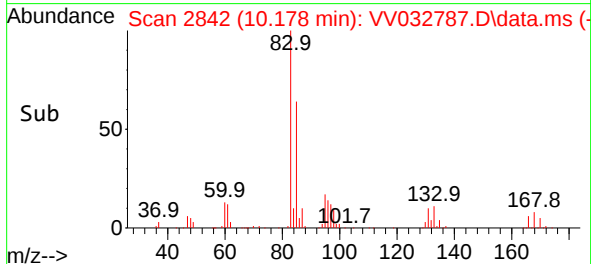
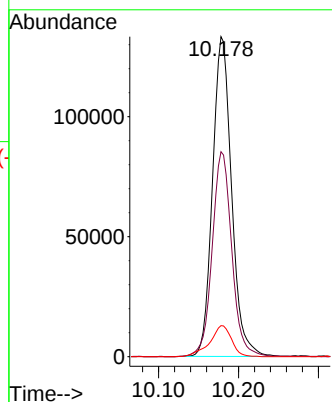
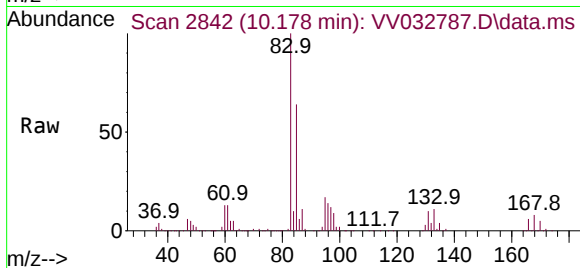




#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.459 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV032787.D
 Acq: 31 Oct 2023 09:34

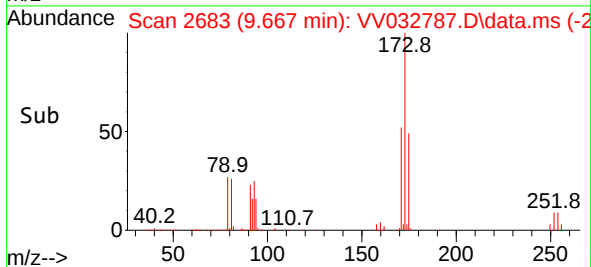
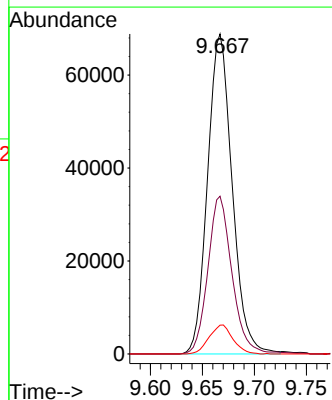
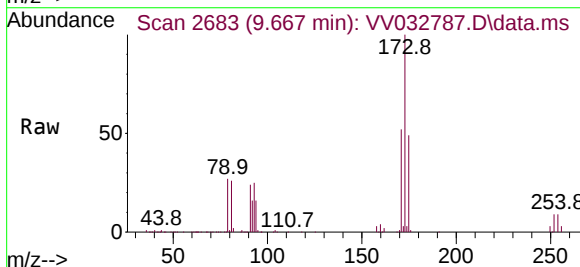
Instrument :
 MSVOA_V
 ClientSampleId :

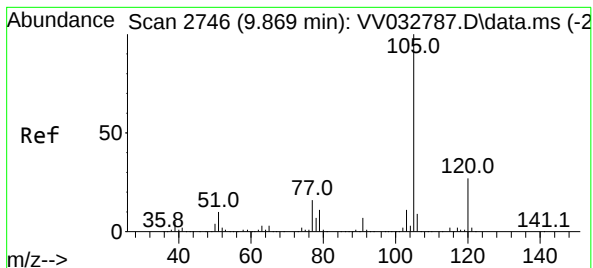
Tgt Ion: 83 Resp: 220455
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 131 9.7 7.8 11.6



#59
 Bromoform
 Concen: 48.211 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: VV032787.D
 Acq: 31 Oct 2023 09:34

Tgt Ion: 173 Resp: 113321
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.4 57.6
 254 8.8 7.0 10.6





#60

Isopropylbenzene

Concen: 44.880 ug/L

RT: 9.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

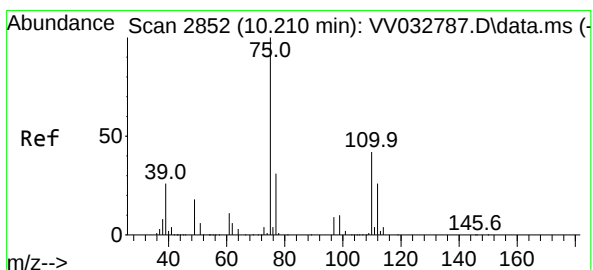
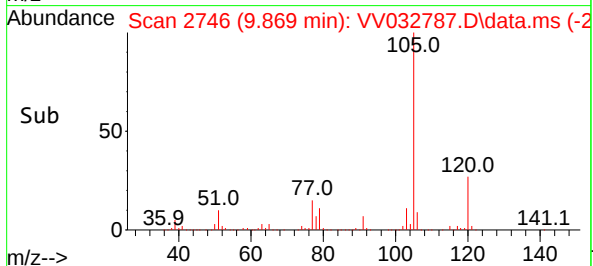
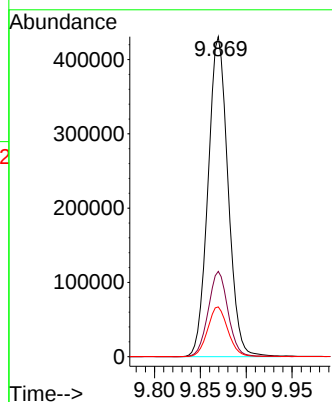
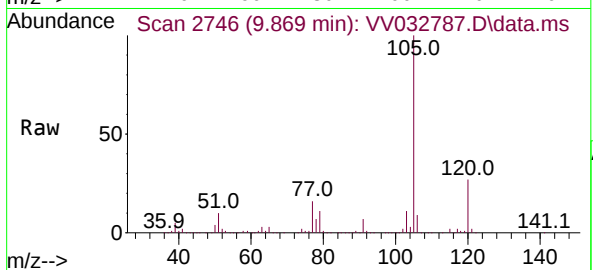
Tgt Ion:105 Resp: 654325

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 42.102 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

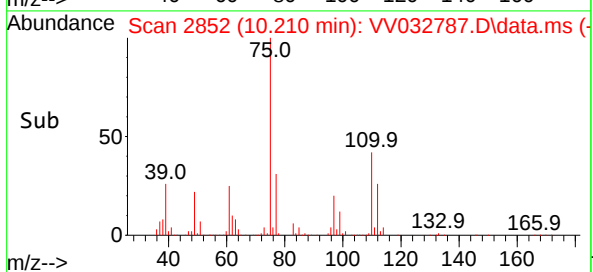
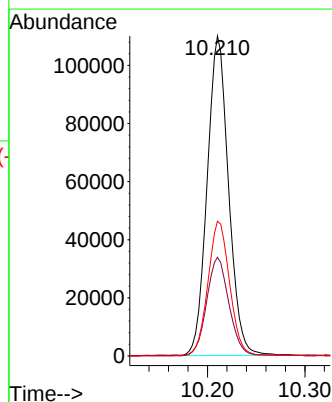
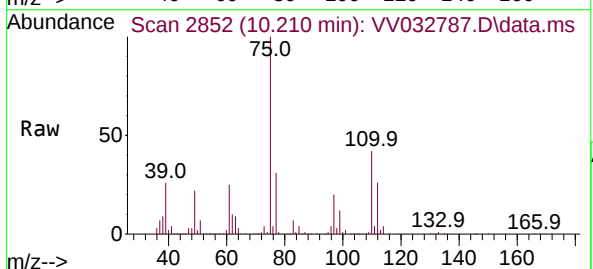
Tgt Ion: 75 Resp: 167691

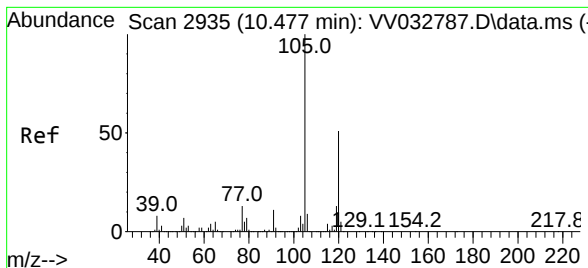
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

110 42.9 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 43.887 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

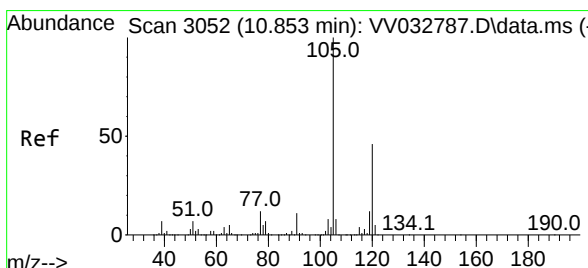
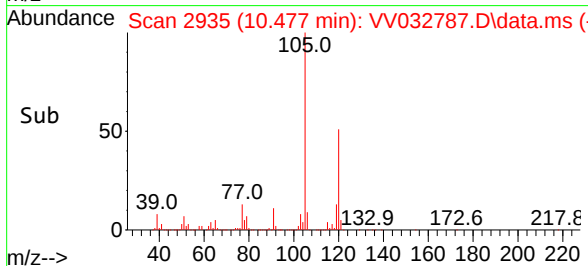
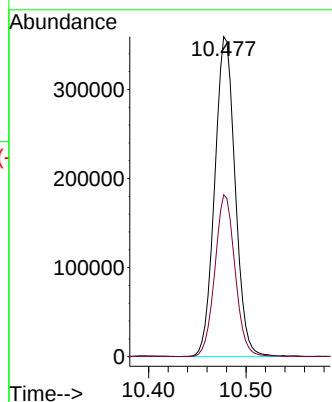
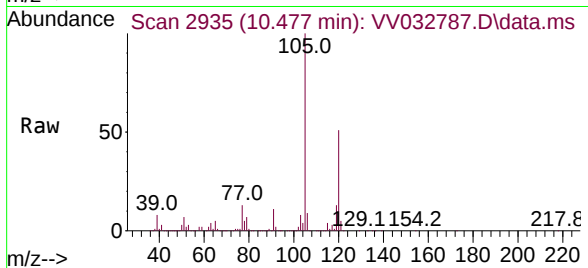
ClientSampleId :

Tgt Ion:105 Resp: 522987

Ion Ratio Lower Upper

105 100

120 49.9 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 43.450 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032787.D

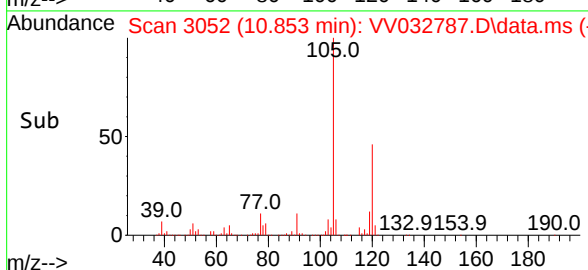
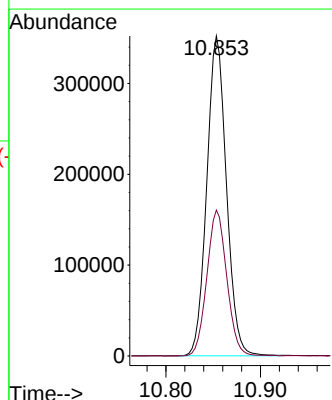
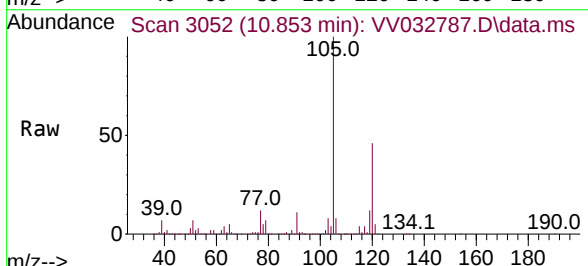
Acq: 31 Oct 2023 09:34

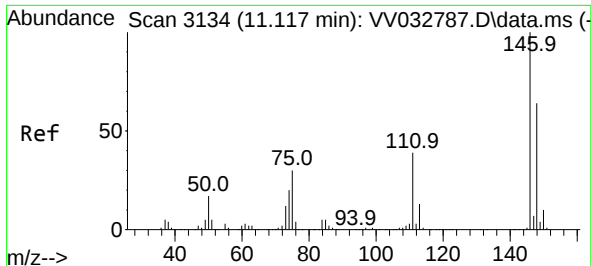
Tgt Ion:105 Resp: 508189

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.6

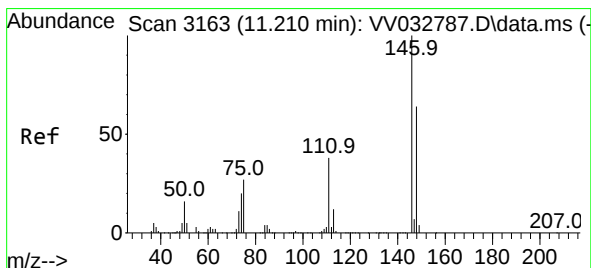
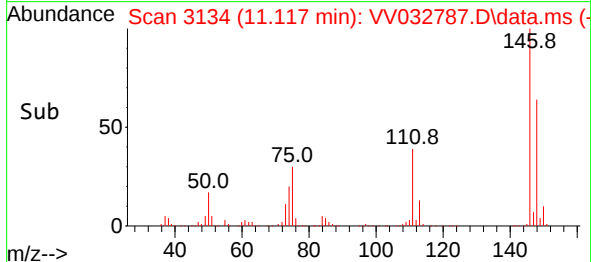
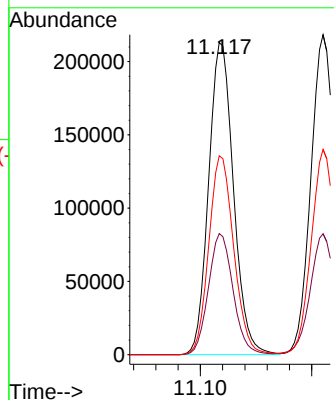
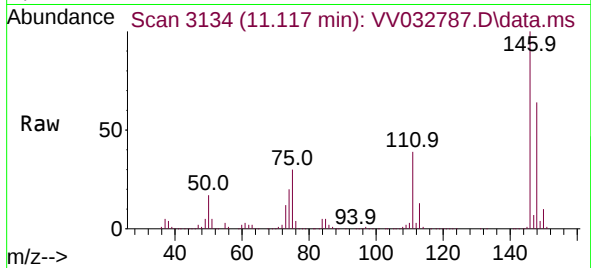




#64
1,3-Dichlorobenzene
Concen: 47.496 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

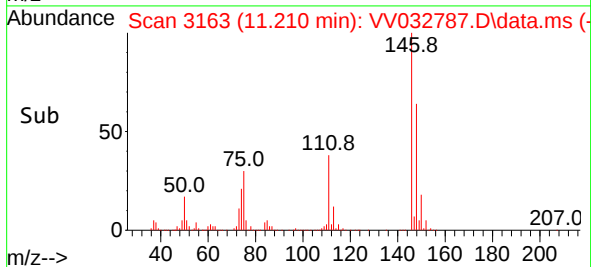
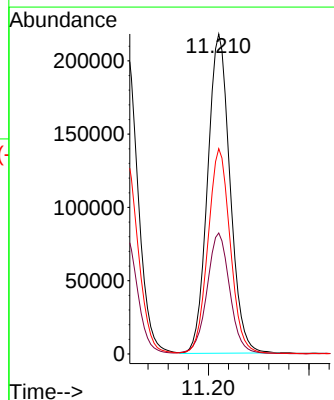
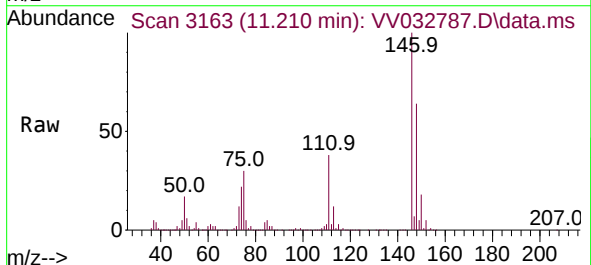
Instrument :
MSVOA_V
ClientSampleId :

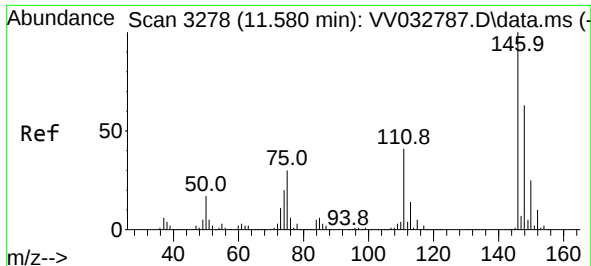
Tgt Ion:146 Resp: 329810
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.4
148 63.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 47.899 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion:146 Resp: 337353
Ion Ratio Lower Upper
146 100
111 37.8 26.5 49.1
148 64.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 48.433 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

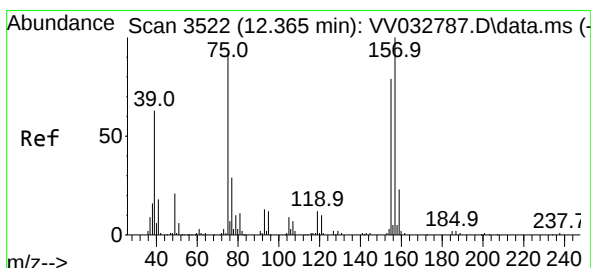
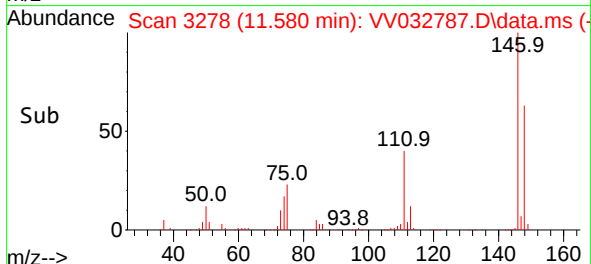
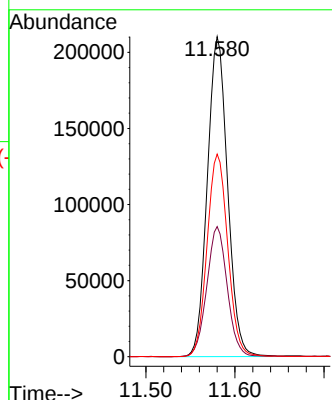
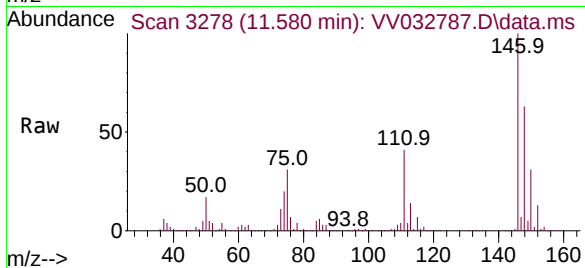
Tgt Ion:146 Resp: 331027

Ion Ratio Lower Upper

146 100

111 40.6 32.5 48.7

148 63.3 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 39.360 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

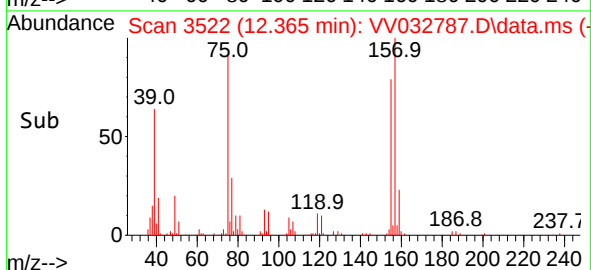
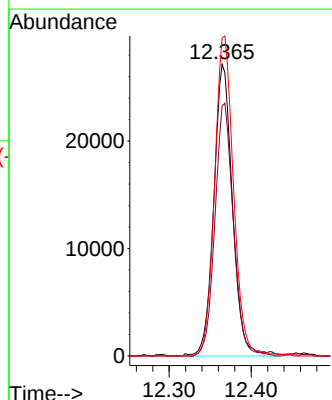
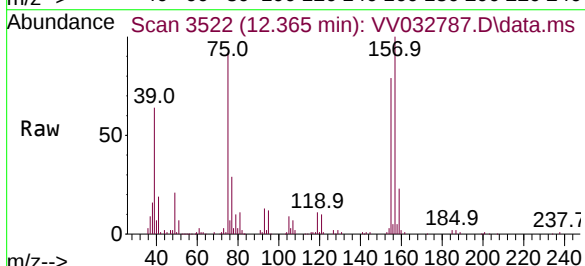
Tgt Ion: 75 Resp: 42977

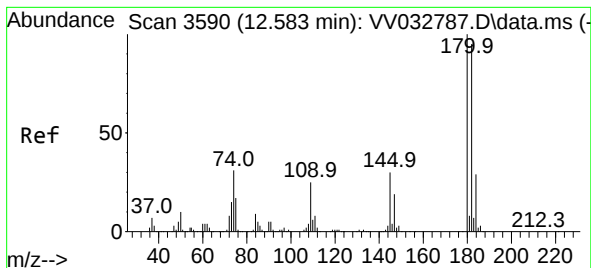
Ion Ratio Lower Upper

75 100

155 85.7 68.6 102.8

157 109.1 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 46.328 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 232898

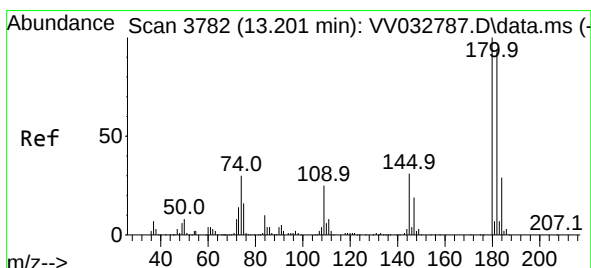
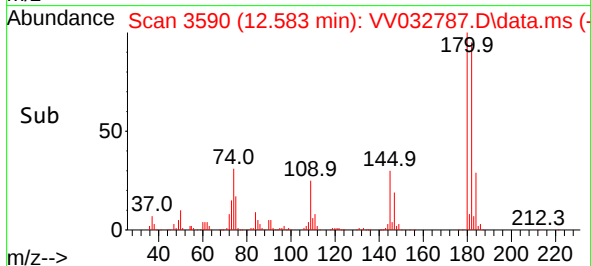
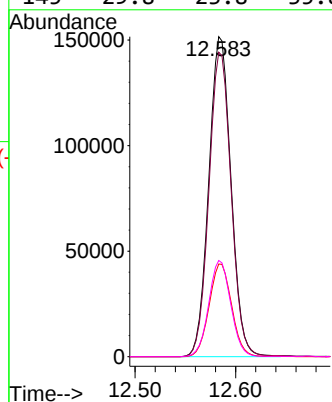
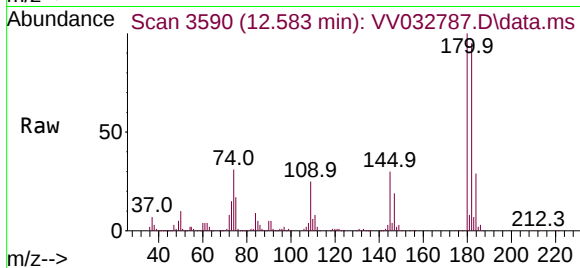
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

184 29.4 23.5 35.3

145 29.8 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 43.418 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032787.D

Acq: 31 Oct 2023 09:34

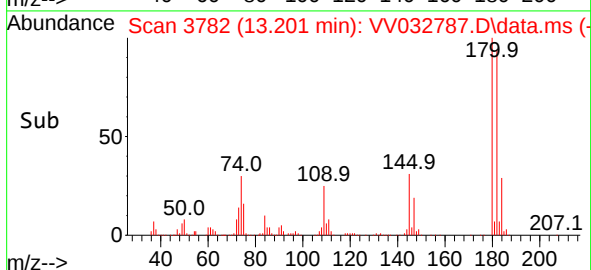
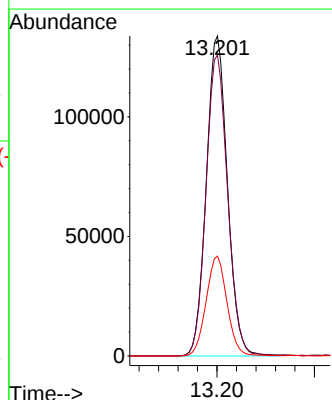
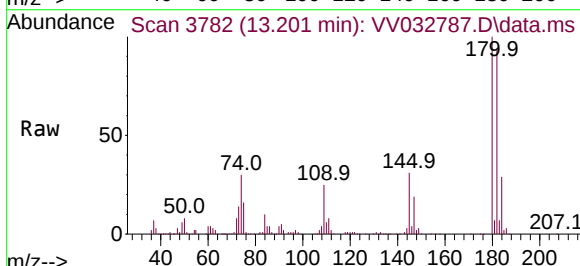
Tgt Ion:180 Resp: 201615

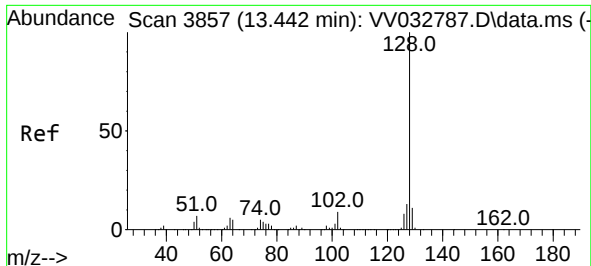
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 30.9 24.7 37.1

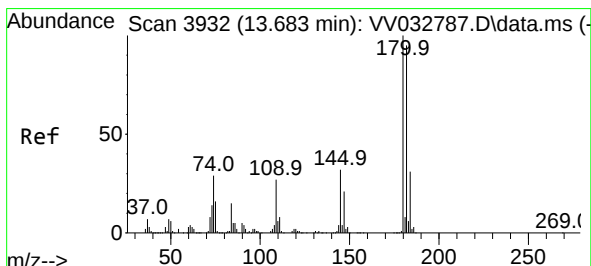
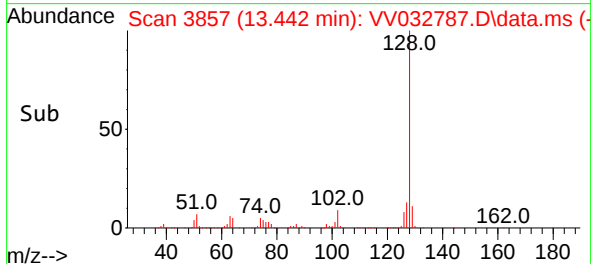
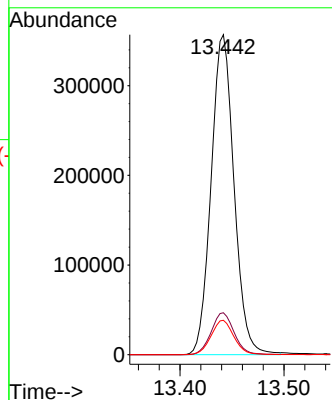
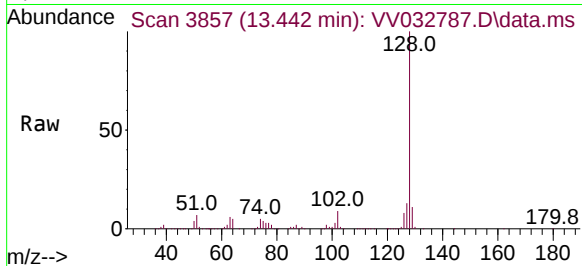




#71
Naphthalene
Concen: 36.797 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 545726
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 46.177 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032787.D
Acq: 31 Oct 2023 09:34

Tgt Ion:180 Resp: 215455
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 32.3 25.8 38.8

