

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103123\
 Data File : VV032785.D
 Acq On : 31 Oct 2023 08:48
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:11:32 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	265408	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	306207	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	150695	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	15091	8.341	ug/L	0.00
7) Chloroethane-d5	1.532	69	12692	8.223	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	6130	7.975	ug/L	0.00
21) 2-Butanone-d5	3.606	46	253	0.184	ug/L	-0.18
24) Chloroform-d	4.259	84	23287	6.597	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	13723	6.449	ug/L	0.00
32) Benzene-d6	4.963	84	39173	4.891	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	12715	4.913	ug/L	0.00
41) Toluene-d8	7.249	98	36474	4.878	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	5795	4.595	ug/L	0.00
47) 2-Hexanone-d5	8.040	63	6578	6.062	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.156	84	19805	5.310	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	15603	5.681	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	14812	6.640	ug/L	99
3) Chloromethane	1.217	50	14154	5.939	ug/L	98
5) Vinyl chloride	1.285	62	15102	6.342	ug/L	100
6) Bromomethane	1.490	94	10230	7.420	ug/L	96
8) Chloroethane	1.552	64	9885	6.575	ug/L	96
9) Trichlorofluoromethane	1.715	101	23645	7.443	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	15064	7.849	ug/L	96
12) 1,1-Dichloroethene	2.072	96	11764	6.732	ug/L	92
13) Acetone	2.117	43	23545	16.161	ug/L	97
14) Carbon disulfide	2.243	76	26562	4.979	ug/L	100
15) Methyl Acetate	2.384	43	10952	4.759	ug/L	100
16) Methylene chloride	2.449	84	20274	9.290	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	11296	5.883	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	28449	4.567	ug/L #	90
19) 1,1-Dichloroethane	3.114	63	21720	5.868	ug/L	96
20) cis-1,2-Dichloroethene	3.822	96	11544	5.415	ug/L	97
22) 2-Butanone	3.895	43	6228	3.494	ug/L	94
23) Bromochloromethane	4.159	128	6611	6.064	ug/L	91
25) Chloroform	4.278	83	11848	3.170	ug/L	98
27) 1,2-Dichloroethane	5.050	62	16109	5.738	ug/L	98
29) Cyclohexane	4.580	56	11588	2.933	ug/L #	90
30) 1,1,1-Trichloroethane	4.516	97	21325	5.694	ug/L	98
31) Carbon tetrachloride	4.738	117	19569	6.022	ug/L	95
33) Benzene	5.014	78	41659	4.440	ug/L	100
34) Trichloroethene	5.841	95	12223	4.723	ug/L	97
35) Methylcyclohexane	6.050	83	14354	3.460	ug/L	90
37) 1,2-Dichloropropane	6.098	63	10443	3.995	ug/L #	92
38) Bromodichloromethane	6.436	83	19897	5.998	ug/L #	93
39) cis-1,3-Dichloropropene	6.960	75	13626	3.399	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	22602	6.143	ug/L	96
42) Toluene	7.323	91	43831	4.287	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	14480	3.845	ug/L	96

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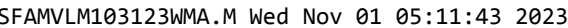
Quant Time: Nov 01 05:11:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:10:30 2023
 Response via : Initial Calibration

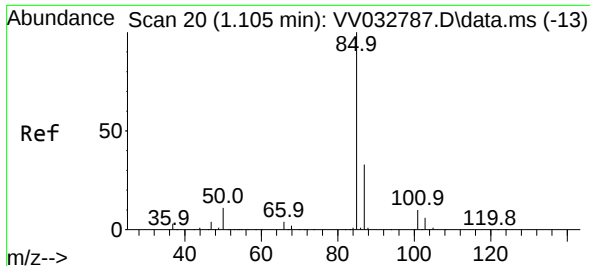
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.773	97	14191	5.652	ug/L	97
46) Tetrachloroethene	7.908	164	11986	6.144	ug/L	94
48) 2-Hexanone	8.088	43	19118	6.521	ug/L #	93
49) Dibromochloromethane	8.178	129	14563	5.813	ug/L	92
50) 1,2-Dibromoethane	8.288	107	13145	4.963	ug/L	96
51) Chlorobenzene	8.815	112	36237	5.457	ug/L	98
52) Ethylbenzene	8.950	91	47627	4.194	ug/L	96
53) m,p-Xylene	9.075	106	17654	4.131	ug/L	99
54) o-Xylene	9.484	106	16709	4.001	ug/L	98
55) Styrene	9.503	104	26721	3.702	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	20764	5.379	ug/L	99
59) Bromoform	9.670	173	9702	5.905	ug/L #	71
60) Isopropylbenzene	9.870	105	43917	4.309	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	15601	5.604	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	31743	3.811	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	29129	3.563	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	25994	5.355	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	29111	5.913	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	27163	5.686	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	3597	4.713	ug/L	93
69) 1,3,5-Trichlorobenzene	12.586	180	18034	5.132	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	14549	4.482	ug/L	96
71) Naphthalene	13.445	128	28206	2.721	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	13336	4.089	ug/L	97

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

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QLast Update : Wed Nov 01 05:10:30 2023
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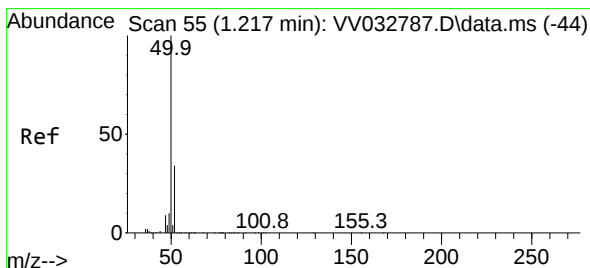
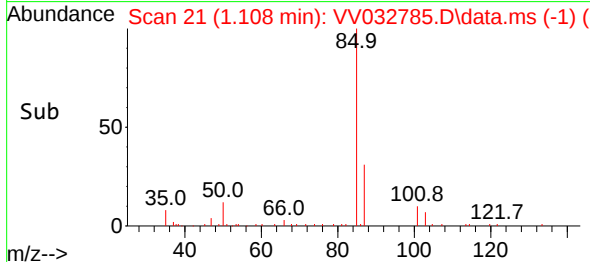
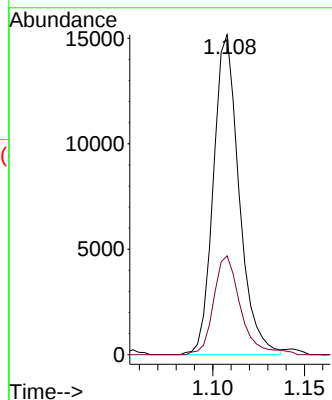
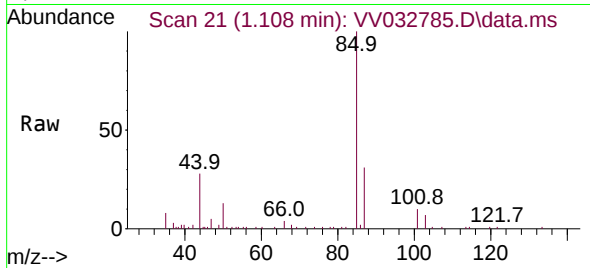




#2
 Dichlorodifluoromethane
 Concen: 6.640 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV032785.D
 Acq: 31 Oct 2023 08:48

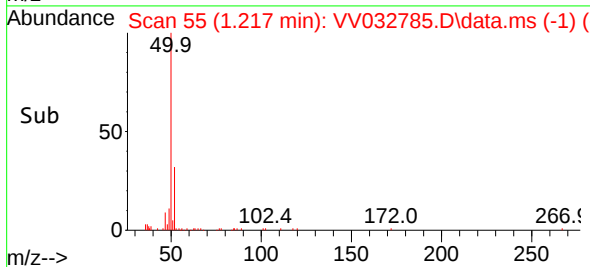
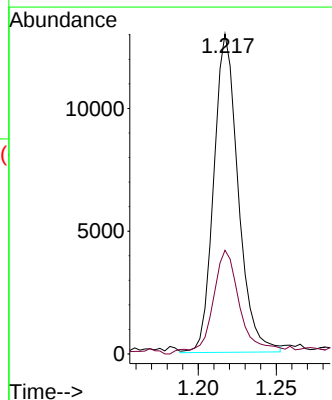
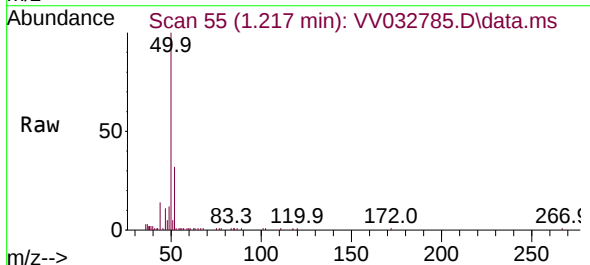
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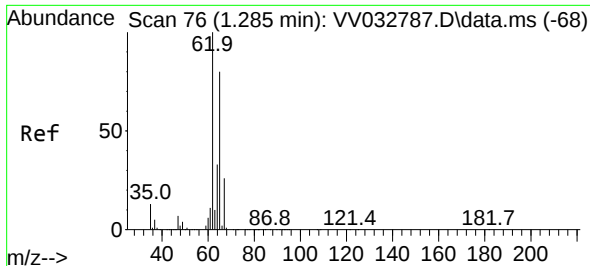
Tgt Ion: 85 Resp: 14812
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.2 39.4



#3
 Chloromethane
 Concen: 5.939 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032785.D
 Acq: 31 Oct 2023 08:48

Tgt Ion: 50 Resp: 14154
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.5 43.7



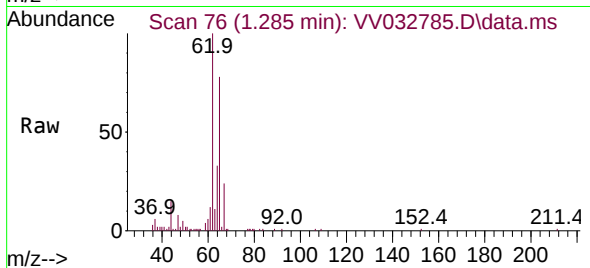


#5
 Vinyl chloride
 Concen: 6.342 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV032785.D
 Acq: 31 Oct 2023 08:48

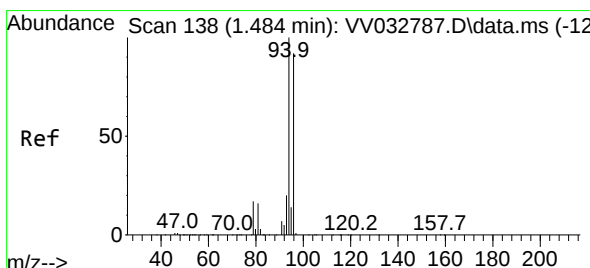
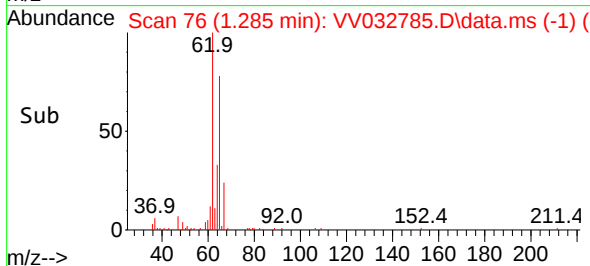
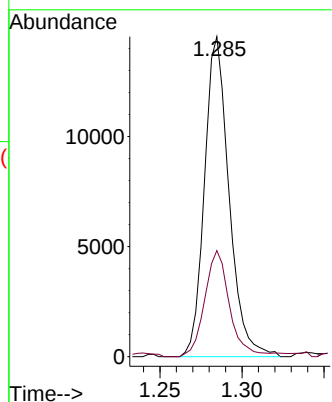
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MSVOA_V

ClientSampleId :

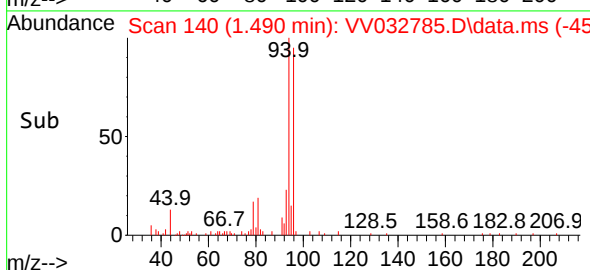
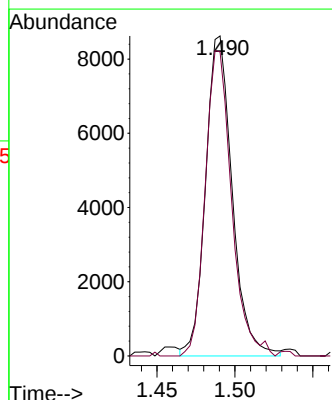
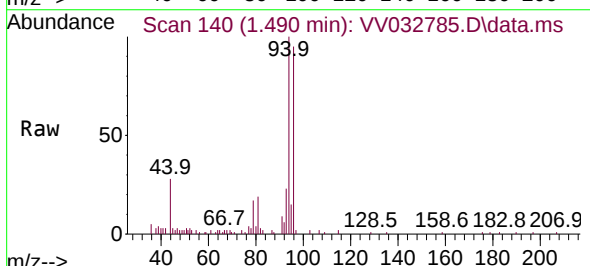


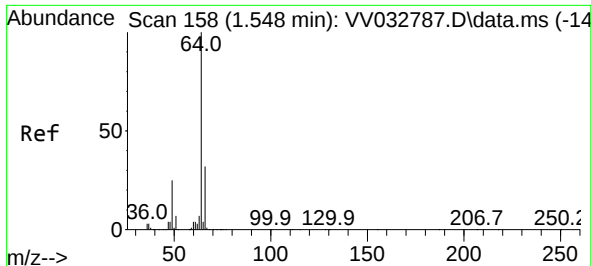
Tgt Ion: 62 Resp: 15102
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.0



#6
 Bromomethane
 Concen: 7.420 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.006 min
 Lab File: VV032785.D
 Acq: 31 Oct 2023 08:48

Tgt Ion: 94 Resp: 10230
 Ion Ratio Lower Upper
 94 100
 96 95.1 64.2 119.2

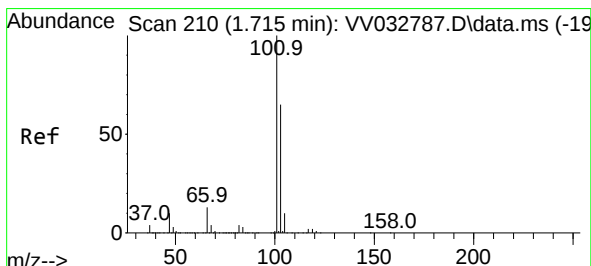
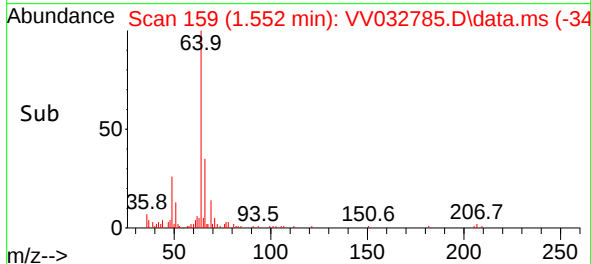
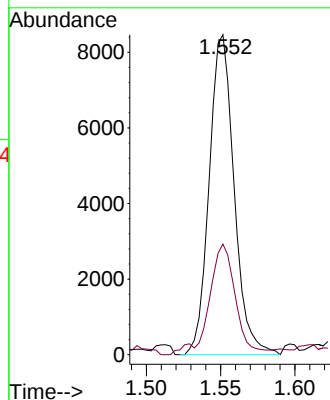
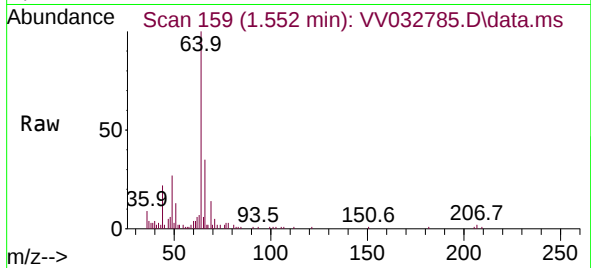




#8
Chloroethane
Concen: 6.575 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

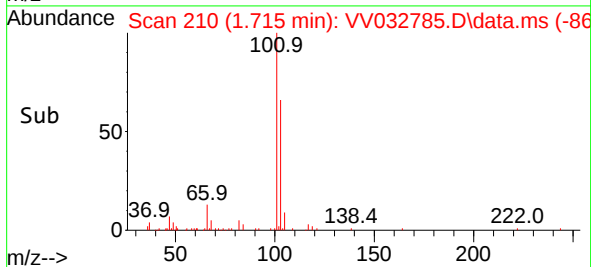
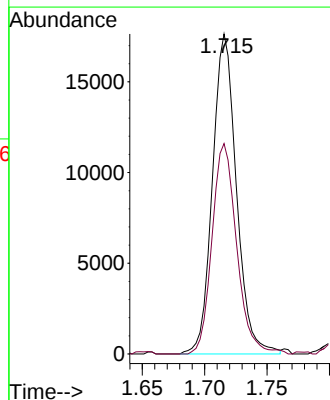
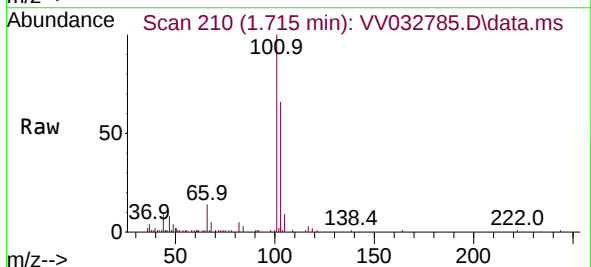
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ClientSampleId :

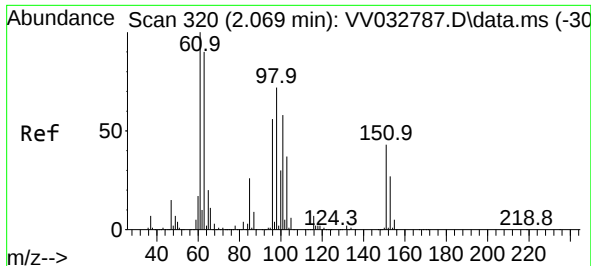
Tgt Ion: 64 Resp: 9885
Ion Ratio Lower Upper
64 100
66 34.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 7.443 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 101 Resp: 23645
Ion Ratio Lower Upper
101 100
103 67.5 51.7 77.5





#10

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

Concen: 7.849 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

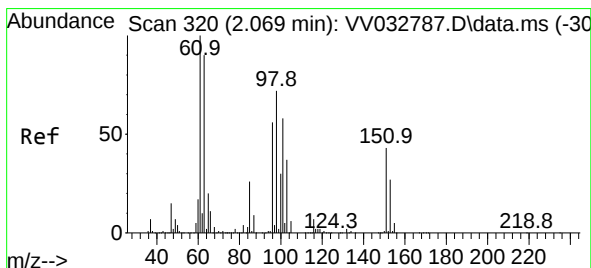
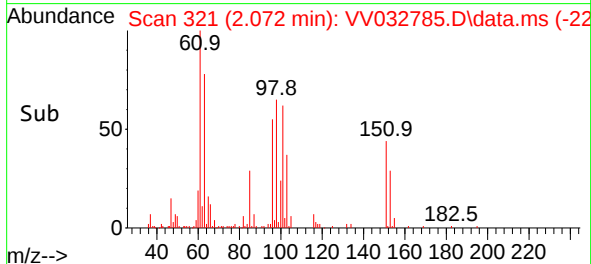
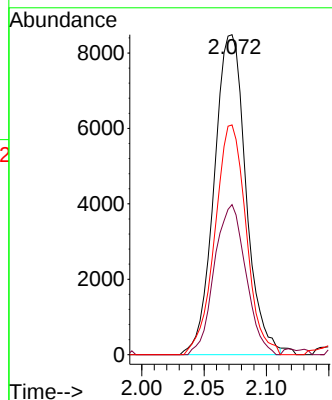
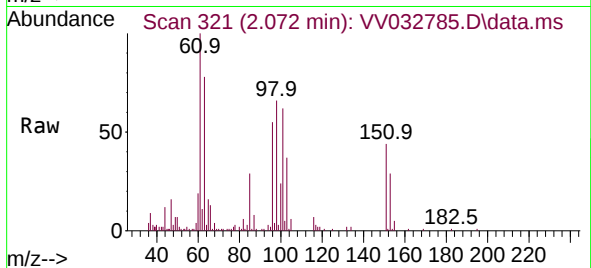
Tgt Ion:101 Resp: 15064

Ion Ratio Lower Upper

101 100

85 46.3 35.6 53.4

151 70.6 59.9 89.9



#12

1,1-Dichloroethene

Concen: 6.732 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

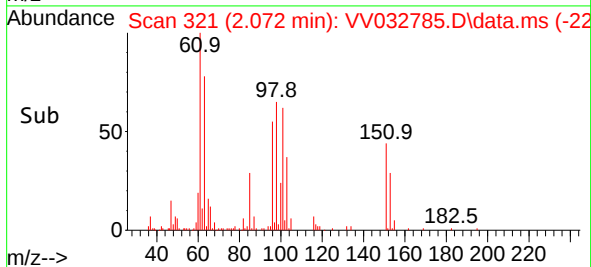
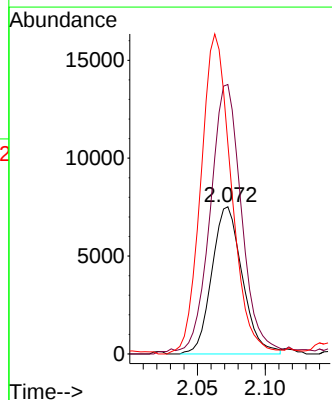
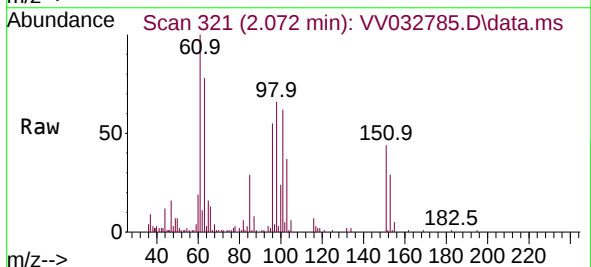
Tgt Ion: 96 Resp: 11764

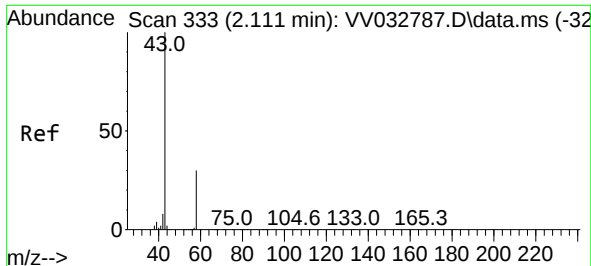
Ion Ratio Lower Upper

96 100

61 182.9 124.2 230.6

63 142.7 111.8 207.6





#13

Acetone

Concen: 16.161 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

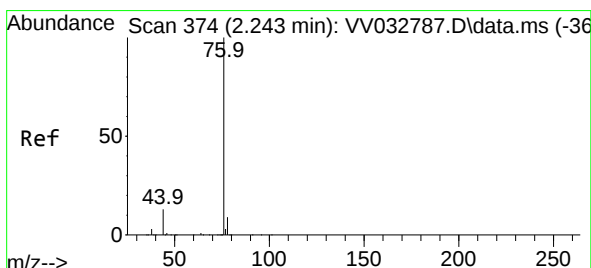
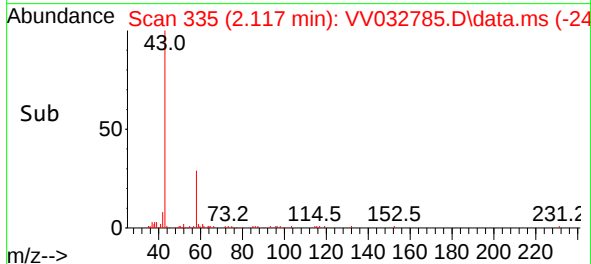
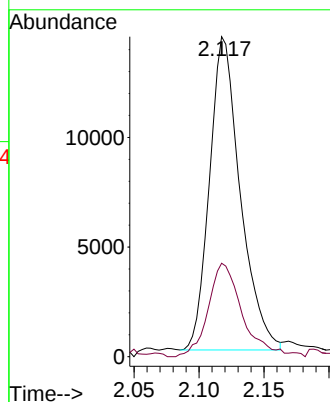
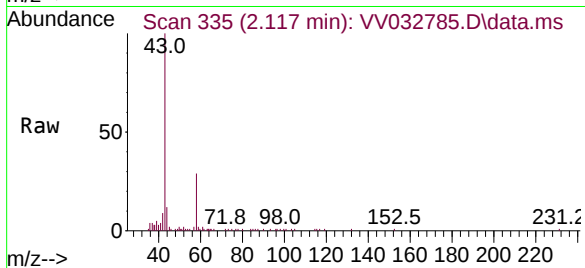
ClientSampleId :

Tgt Ion: 43 Resp: 23545

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.2



#14

Carbon disulfide

Concen: 4.979 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032785.D

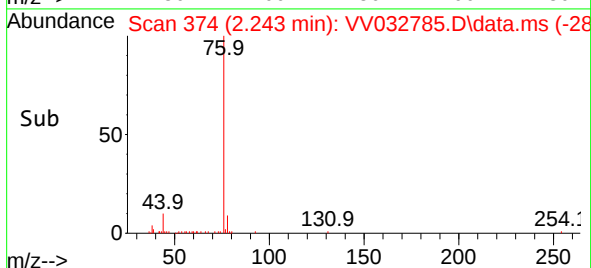
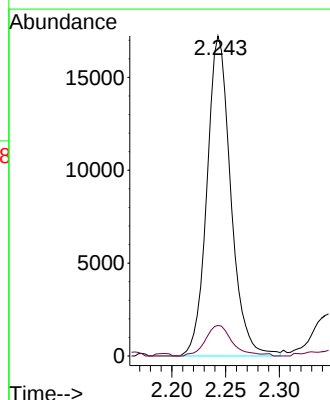
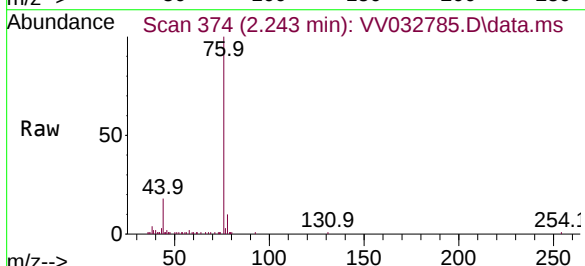
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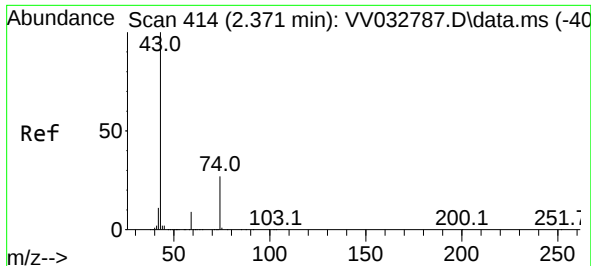
Tgt Ion: 76 Resp: 26562

Ion Ratio Lower Upper

76 100

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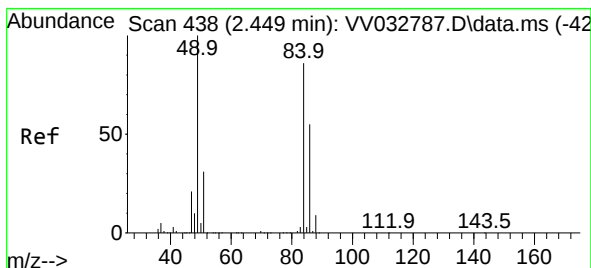
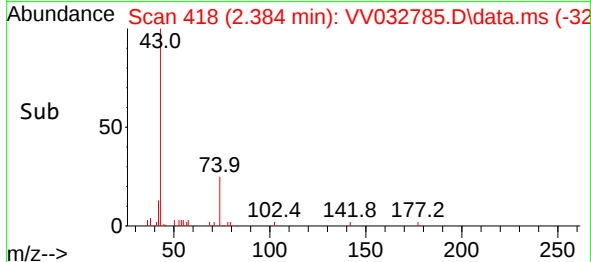
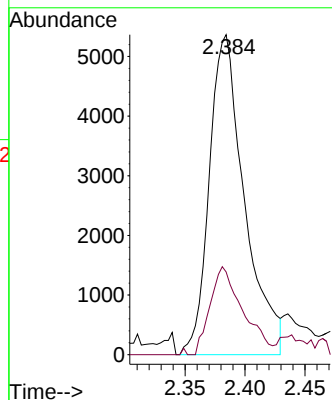
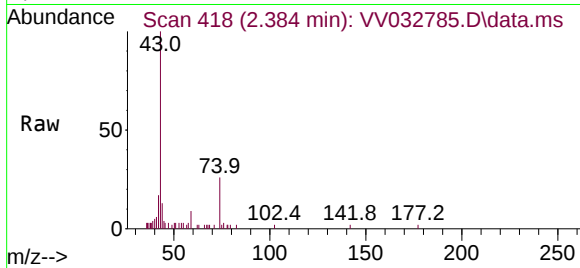




#15
Methyl Acetate
Concen: 4.759 ug/L
RT: 2.384 min Scan# 414
Delta R.T. 0.013 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

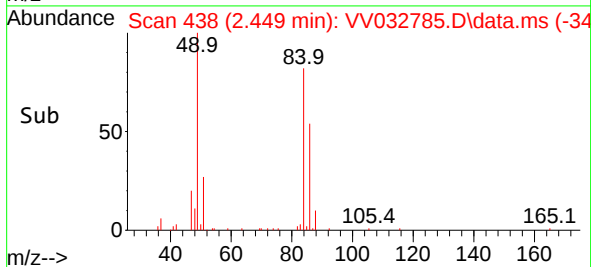
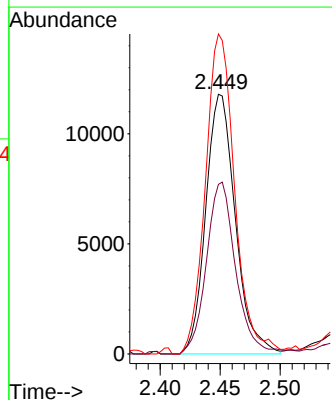
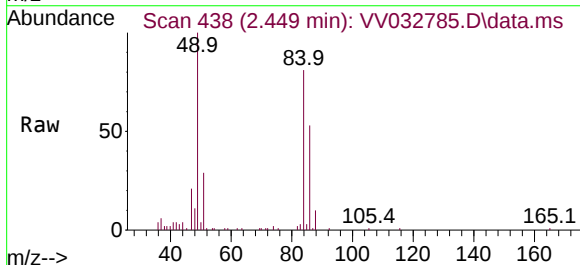
Instrument :
MSVOA_V
ClientSampleId :

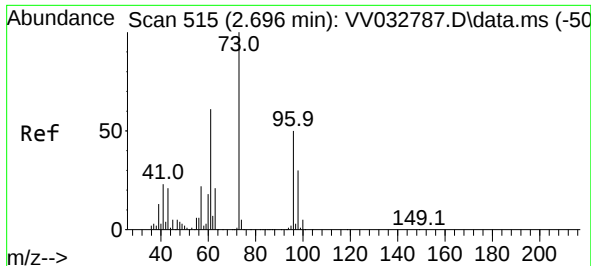
Tgt Ion: 43 Resp: 10952
Ion Ratio Lower Upper
43 100
74 25.6 20.6 30.8



#16
Methylene chloride
Concen: 9.290 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 84 Resp: 20274
Ion Ratio Lower Upper
84 100
86 65.3 45.0 83.6
49 123.2 81.2 150.8

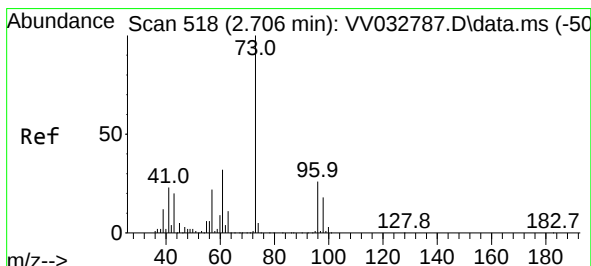
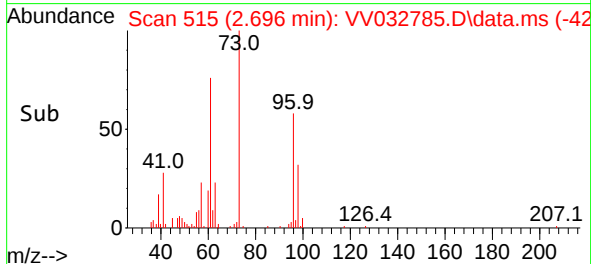
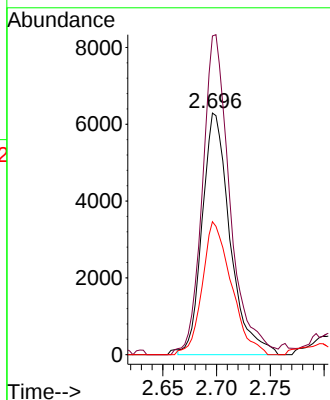
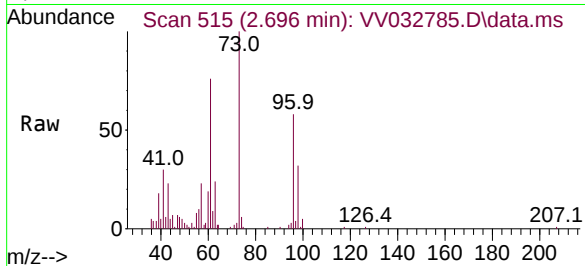




#17
trans-1,2-Dichloroethene
Concen: 5.883 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

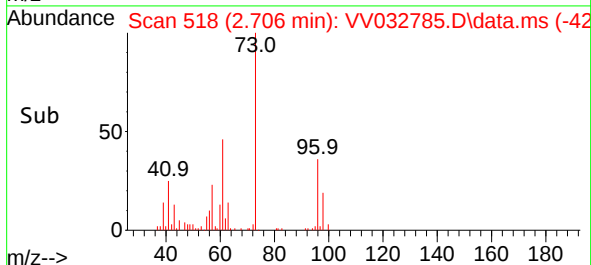
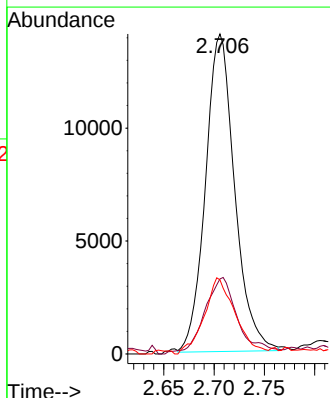
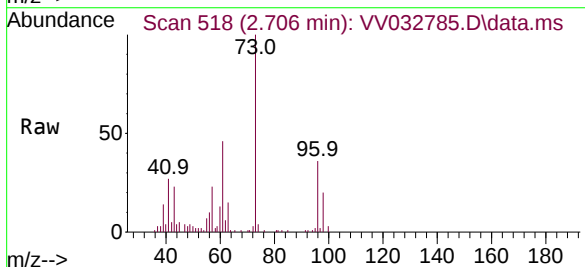
Instrument :
MSVOA_V
ClientSampleId :

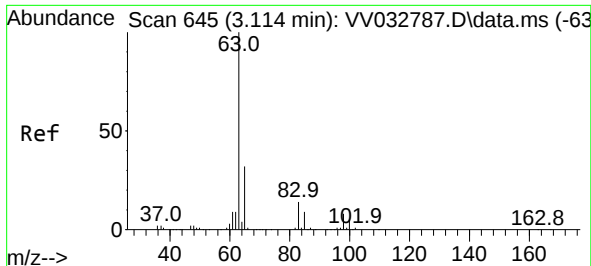
Tgt Ion: 96 Resp: 11296
Ion Ratio Lower Upper
96 100
61 131.9 86.9 161.3
98 55.0 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 4.567 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 73 Resp: 28449
Ion Ratio Lower Upper
73 100
43 25.9 16.1 24.1#
57 25.4 17.4 26.0





#19

1,1-Dichloroethane

Concen: 5.868 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

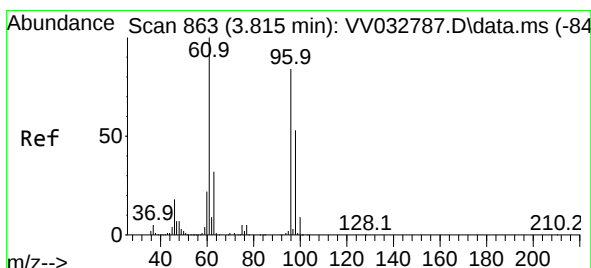
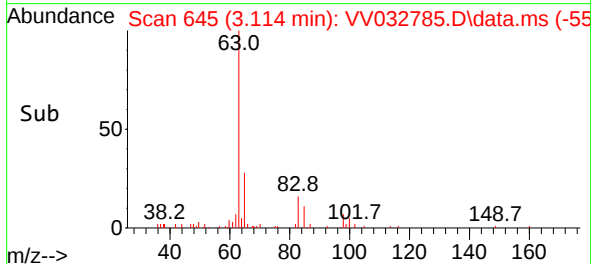
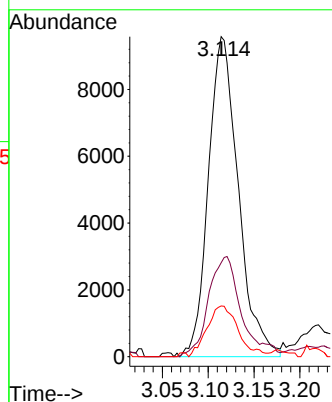
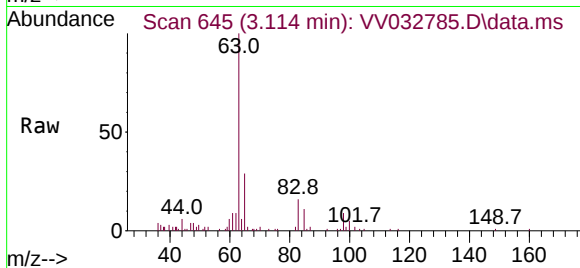
Tgt Ion: 63 Resp: 21720

Ion Ratio Lower Upper

63 100

65 29.4 22.3 41.5

83 15.9 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 5.415 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

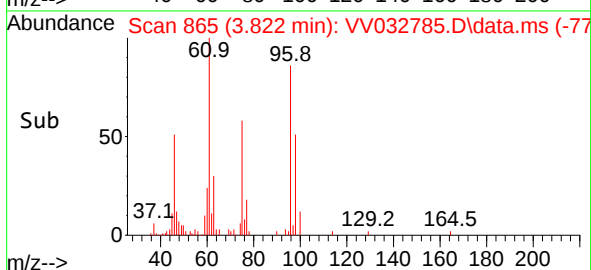
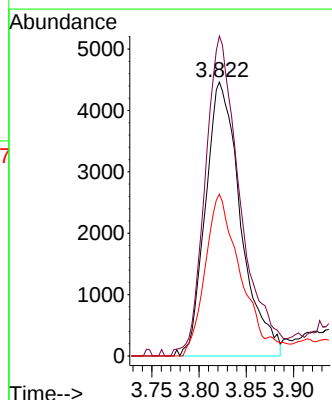
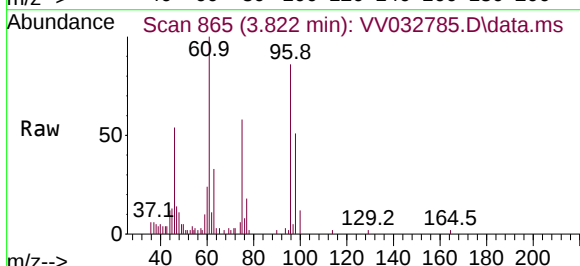
Tgt Ion: 96 Resp: 11544

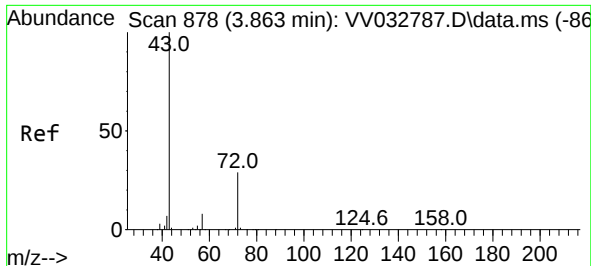
Ion Ratio Lower Upper

96 100

61 116.8 83.3 154.7

98 59.1 44.2 82.2

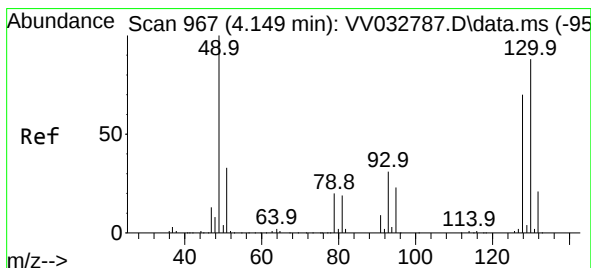
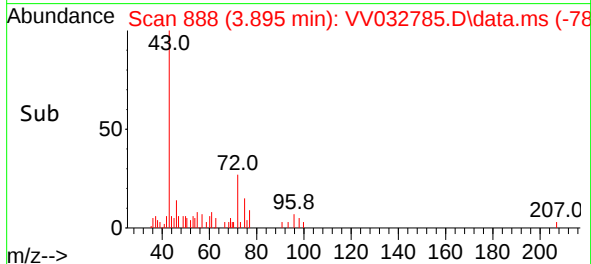
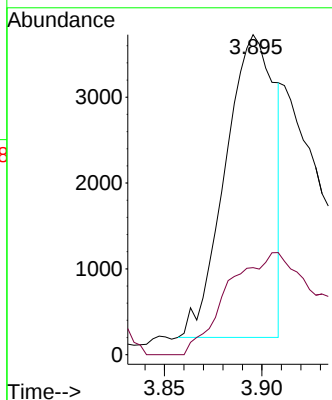
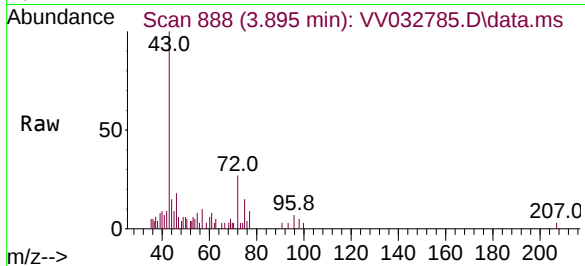




#22
2-Butanone
Concen: 3.494 ug/L
RT: 3.895 min Scan# 81
Delta R.T. 0.032 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

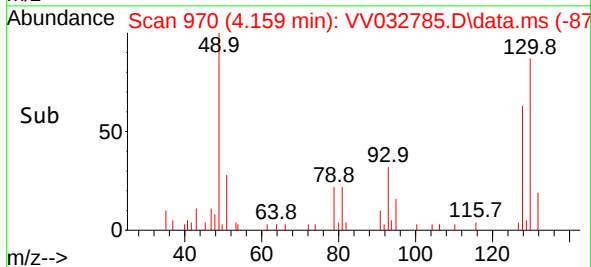
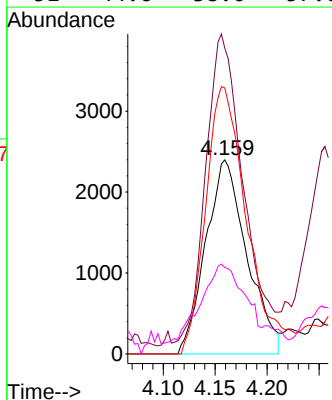
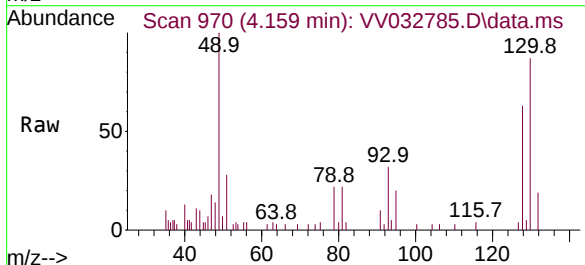
Instrument :
MSVOA_V
ClientSampleId :

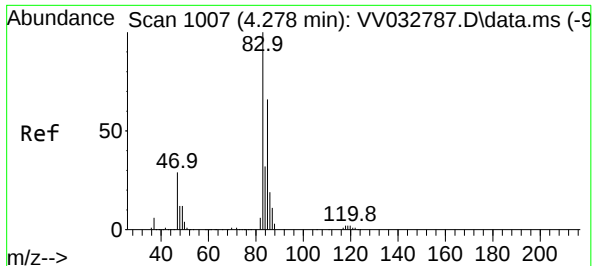
Tgt Ion: 43 Resp: 6228
Ion Ratio Lower Upper
43 100
72 24.0 13.5 40.4



#23
Bromochloromethane
Concen: 6.064 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.010 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 128 Resp: 6611
Ion Ratio Lower Upper
128 100
49 157.6 101.0 187.6
130 137.0 88.5 164.4
51 44.6 38.0 57.0

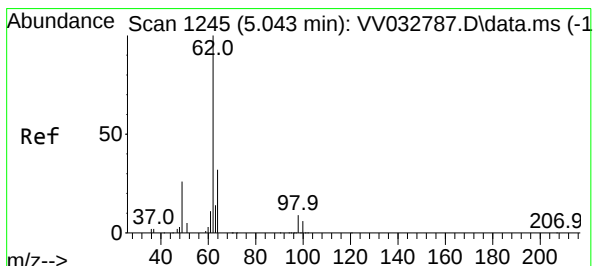
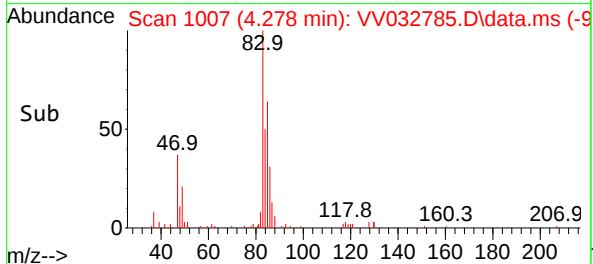
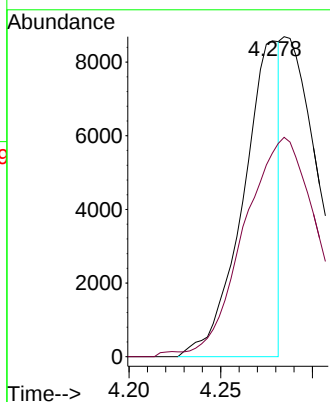
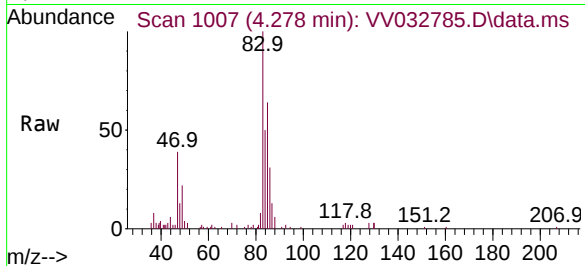




#25
Chloroform
Concen: 3.170 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

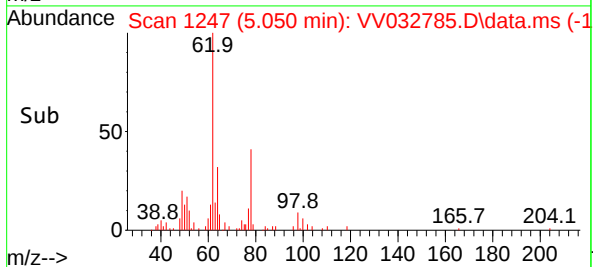
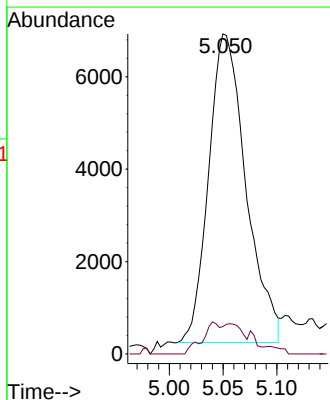
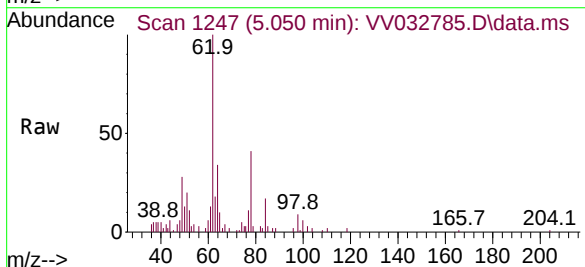
Instrument :
MSVOA_V
ClientSampleId :

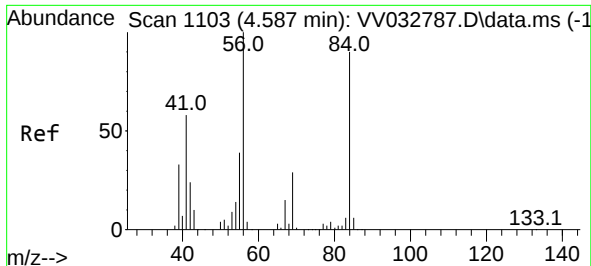
Tgt Ion: 83 Resp: 11848
Ion Ratio Lower Upper
83 100
85 64.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.738 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.006 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 62 Resp: 16109
Ion Ratio Lower Upper
62 100
98 10.0 7.5 11.3





#29

Cyclohexane

Concen: 2.933 ug/L

RT: 4.580 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

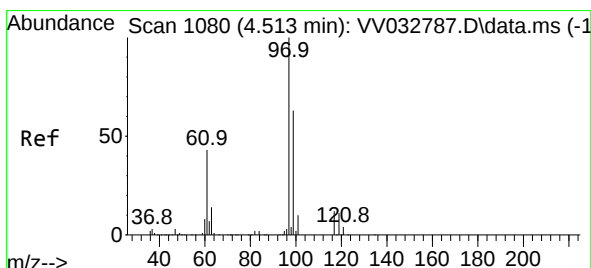
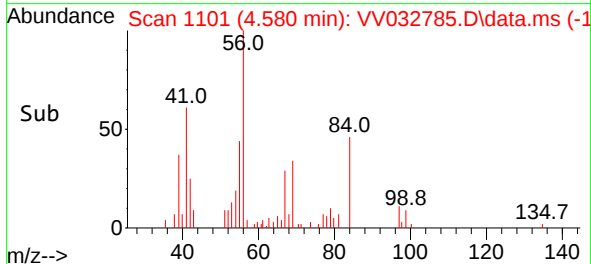
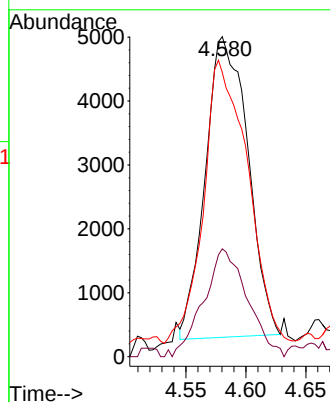
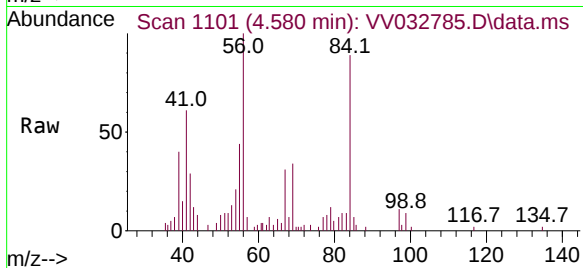
Tgt Ion: 56 Resp: 11588

Ion Ratio Lower Upper

56 100

69 36.7 13.4 20.0#

84 97.9 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 5.694 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

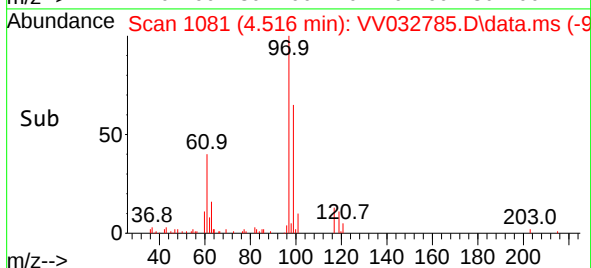
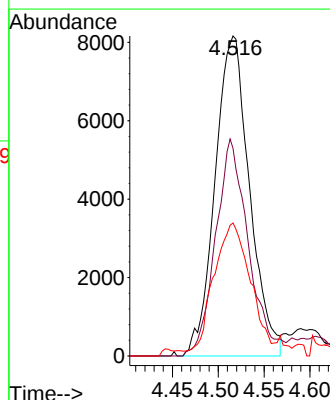
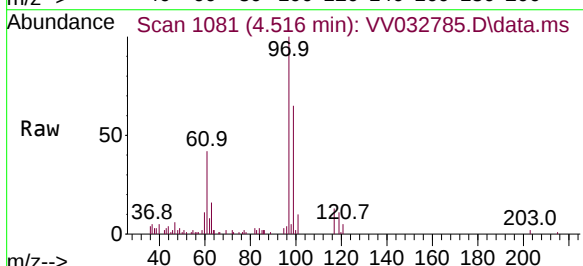
Tgt Ion: 97 Resp: 21325

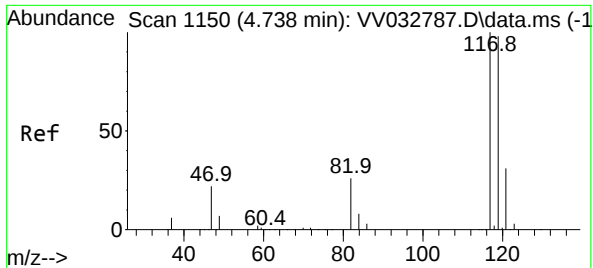
Ion Ratio Lower Upper

97 100

99 63.3 51.8 77.6

61 42.2 34.8 52.2

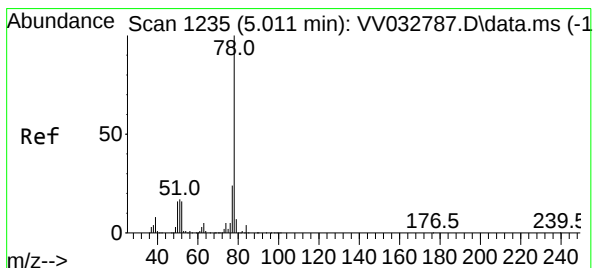
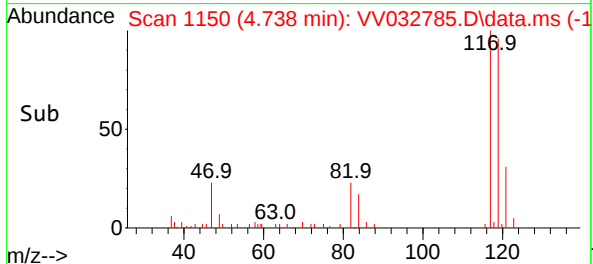
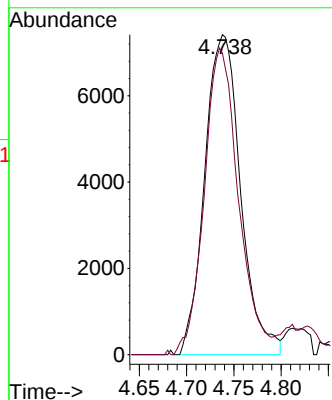
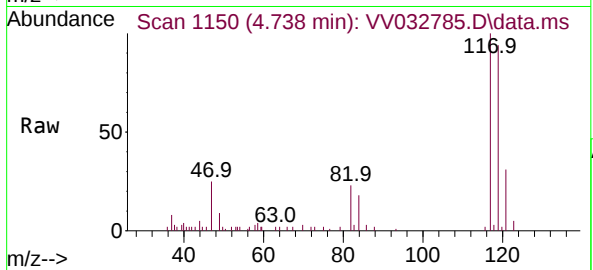




#31
Carbon tetrachloride
Concen: 6.022 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

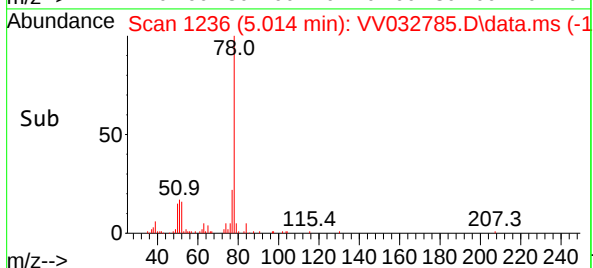
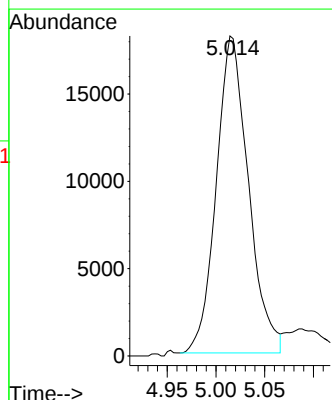
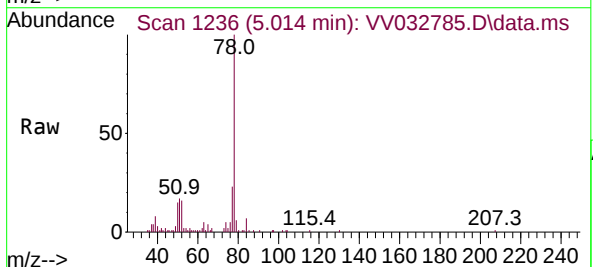
Instrument :
MSVOA_V
ClientSampleId :

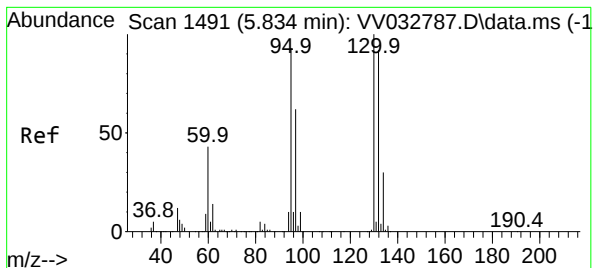
Tgt Ion:117 Resp: 19569
Ion Ratio Lower Upper
117 100
119 91.0 76.6 115.0



#33
Benzene
Concen: 4.440 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 78 Resp: 41659





#34

Trichloroethene

Concen: 4.723 ug/L

RT: 5.841 min Scan# 1491

Delta R.T. 0.006 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 12223

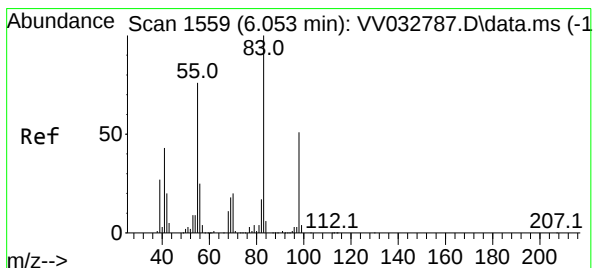
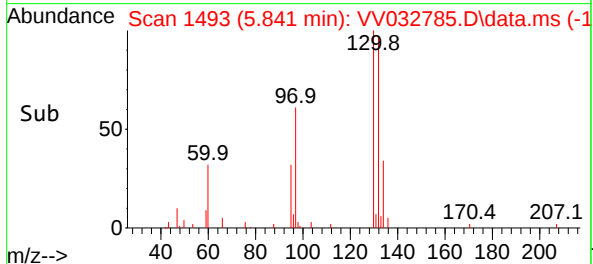
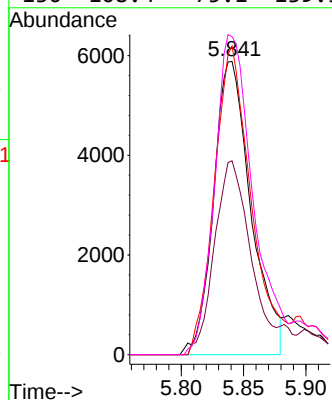
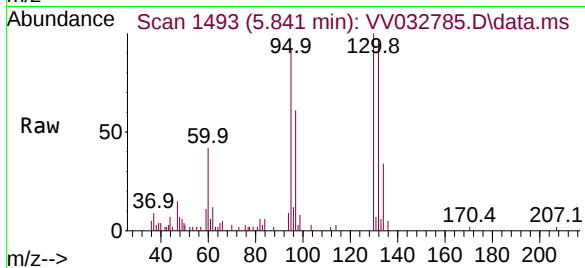
Ion Ratio Lower Upper

95 100

97 66.1 46.3 85.9

132 105.2 69.0 128.2

130 108.4 75.1 139.5



#35

Methylcyclohexane

Concen: 3.460 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

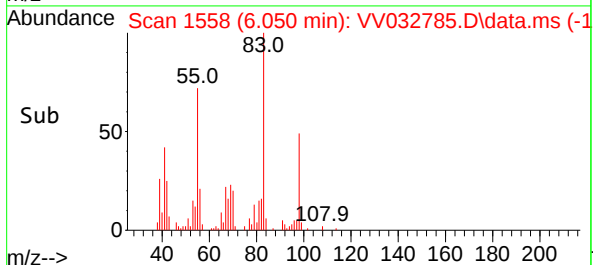
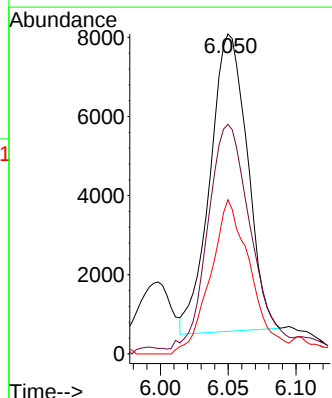
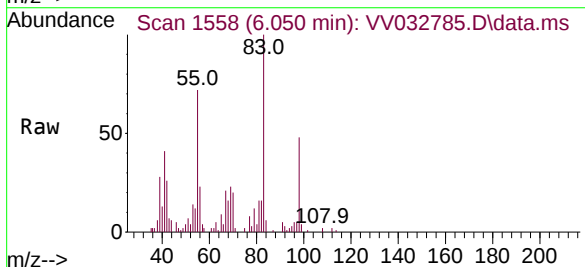
Tgt Ion: 83 Resp: 14354

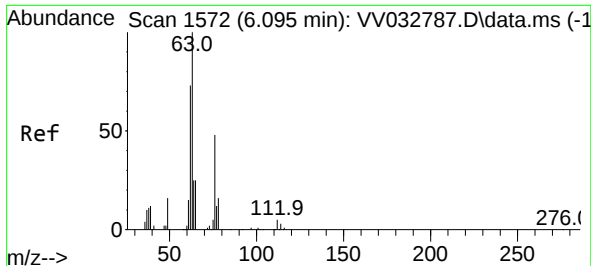
Ion Ratio Lower Upper

83 100

55 81.0 57.8 86.8

98 55.7 39.4 59.2





#37

1,2-Dichloropropane

Concen: 3.995 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

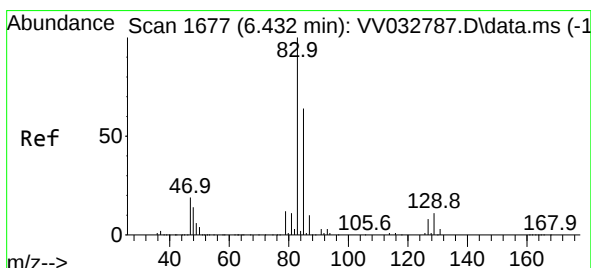
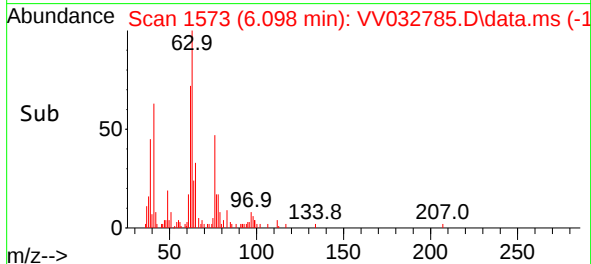
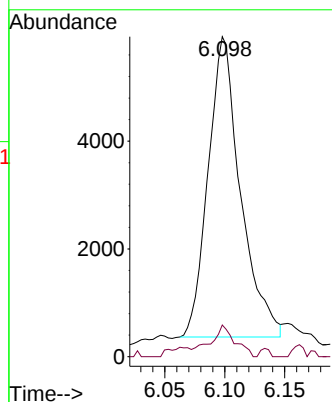
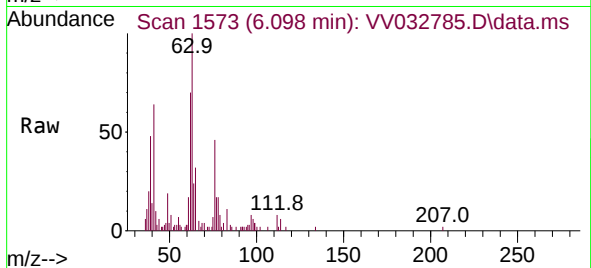
ClientSampleId :

Tgt Ion: 63 Resp: 10443

Ion Ratio Lower Upper

63 100

112 2.5 4.1 6.1#



#38

Bromodichloromethane

Concen: 5.998 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

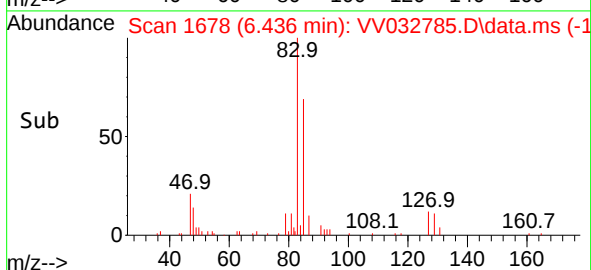
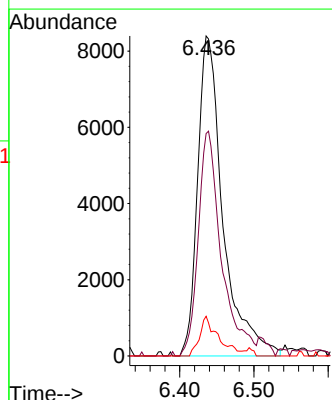
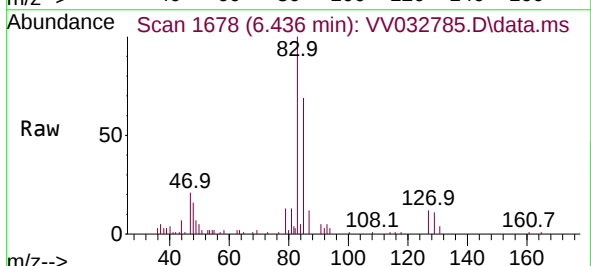
Tgt Ion: 83 Resp: 19897

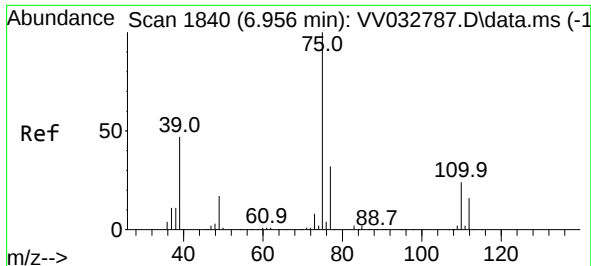
Ion Ratio Lower Upper

83 100

85 69.5 45.1 83.9

127 12.4 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 3.399 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

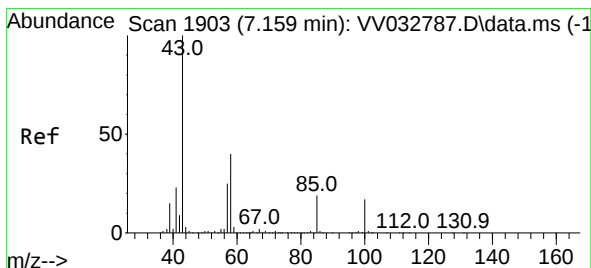
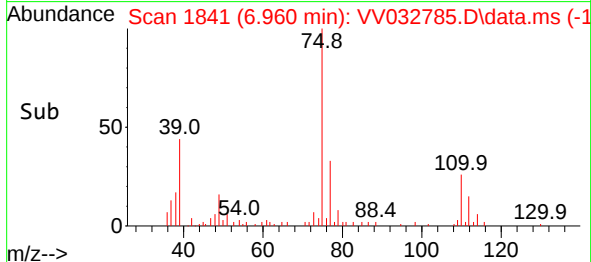
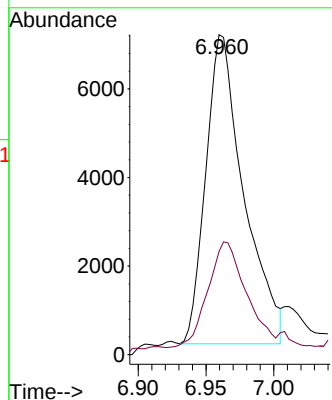
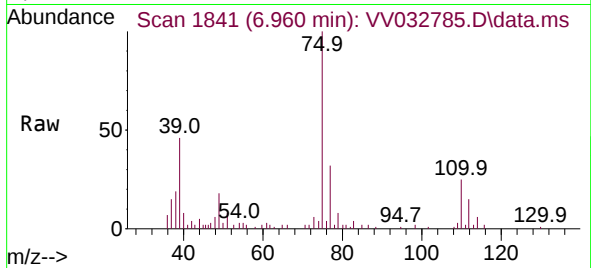
ClientSampleId :

Tgt Ion: 75 Resp: 13626

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 6.143 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

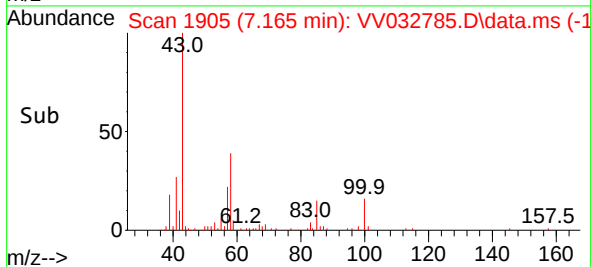
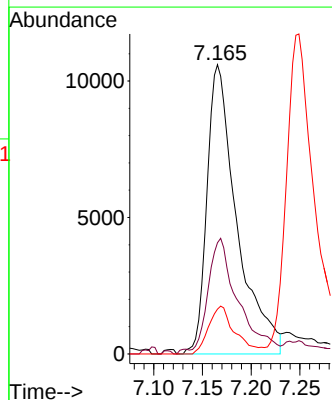
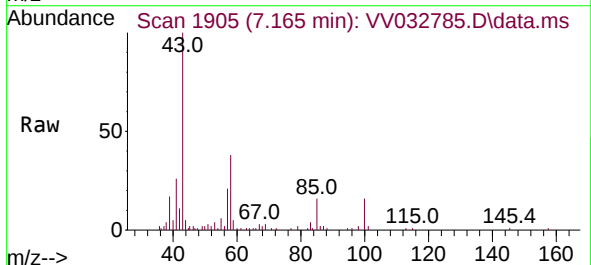
Tgt Ion: 43 Resp: 22602

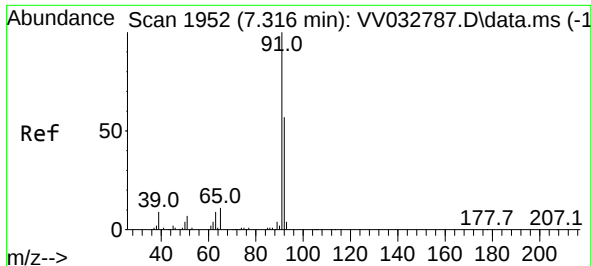
Ion Ratio Lower Upper

43 100

58 36.7 31.4 47.0

100 14.4 13.3 19.9

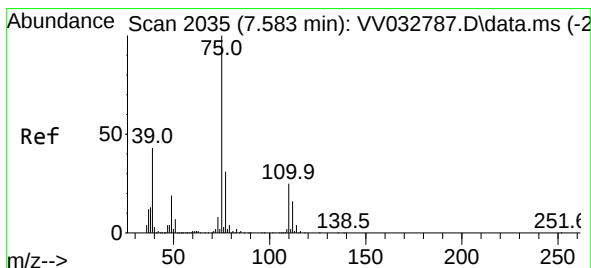
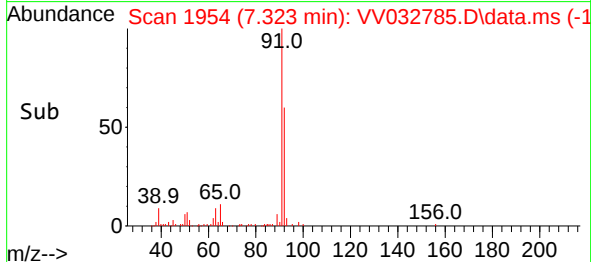
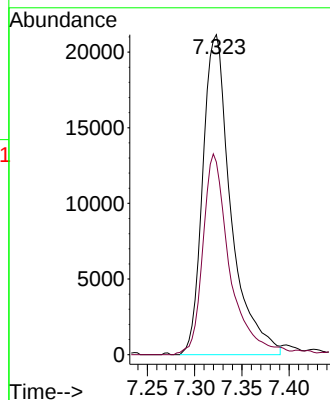
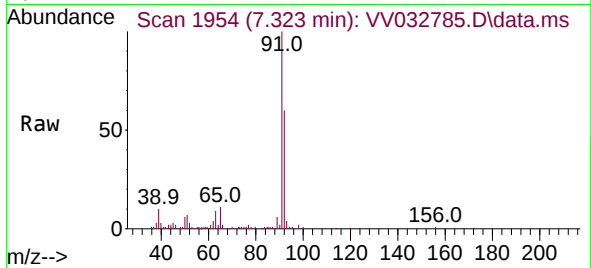




#42
Toluene
Concen: 4.287 ug/L
RT: 7.323 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

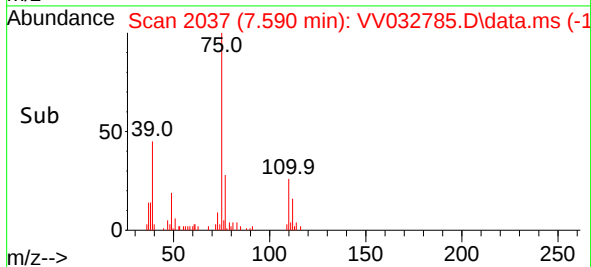
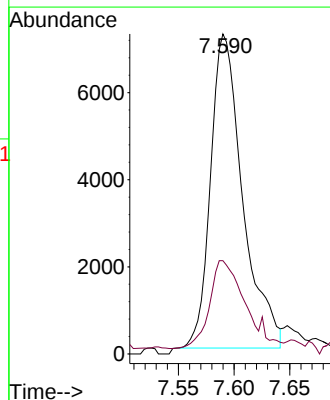
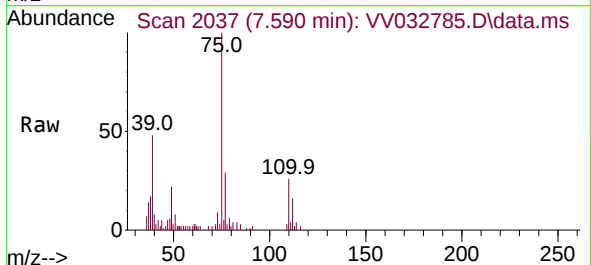
Instrument :
MSVOA_V
ClientSampleId :

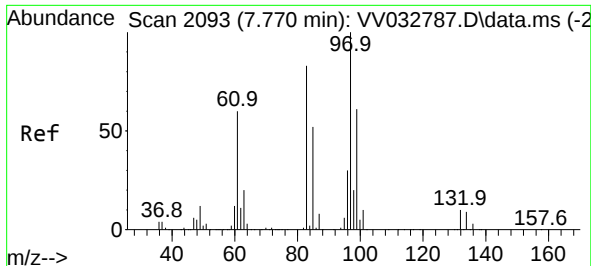
Tgt Ion: 91 Resp: 43831
Ion Ratio Lower Upper
91 100
92 60.2 40.0 74.2



#44
trans-1,3-Dichloropropene
Concen: 3.845 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.006 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 75 Resp: 14480
Ion Ratio Lower Upper
75 100
77 29.1 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 5.652 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 14191

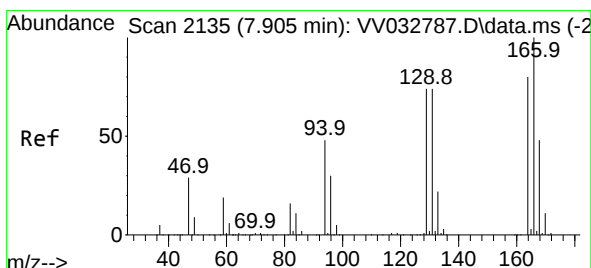
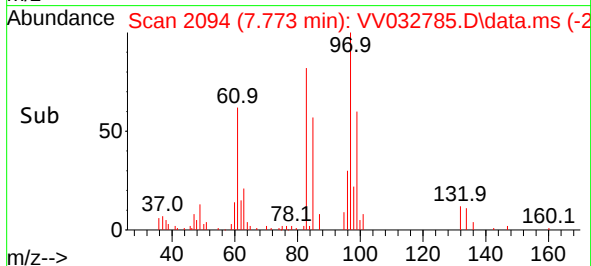
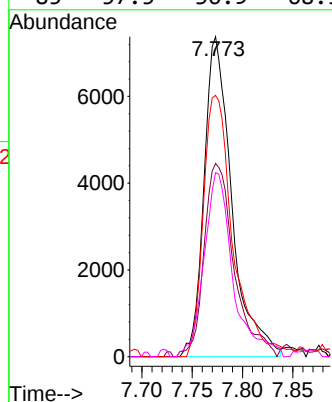
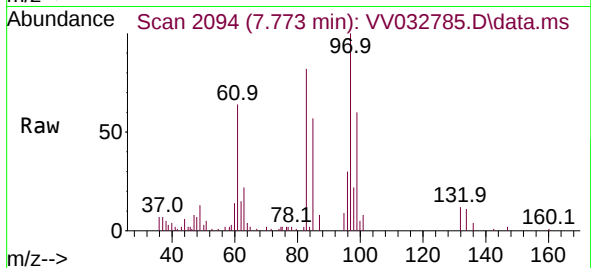
Ion Ratio Lower Upper

97 100

99 60.4 42.8 79.6

83 81.6 58.4 108.4

85 57.5 36.9 68.5



#46

Tetrachloroethene

Concen: 6.144 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Tgt Ion: 164 Resp: 11986

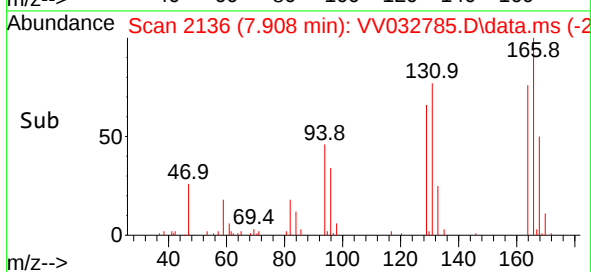
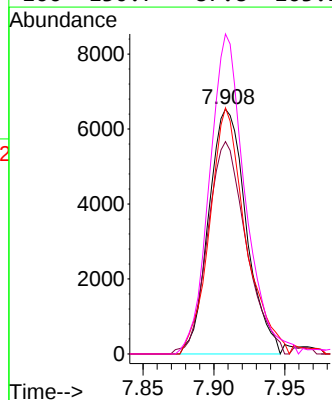
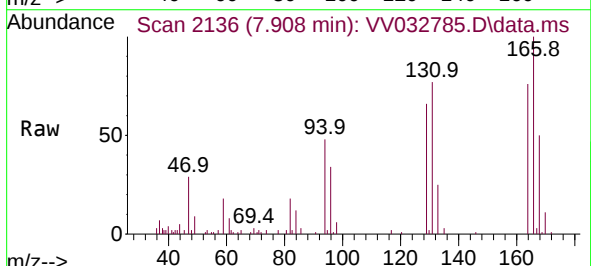
Ion Ratio Lower Upper

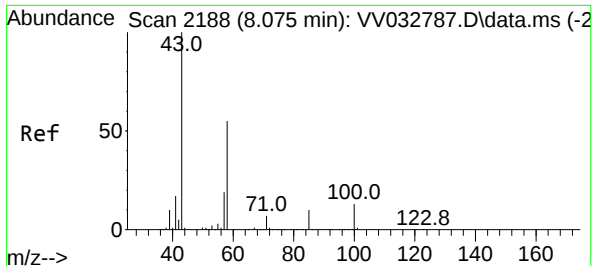
164 100

129 86.7 65.3 121.3

131 100.5 65.0 120.8

166 130.7 87.8 163.2

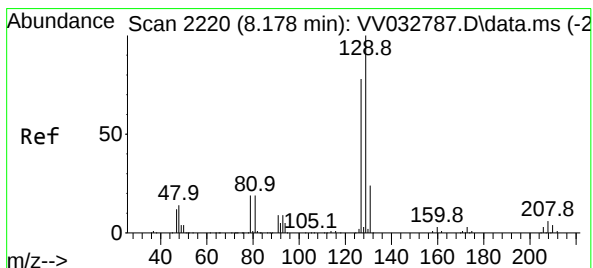
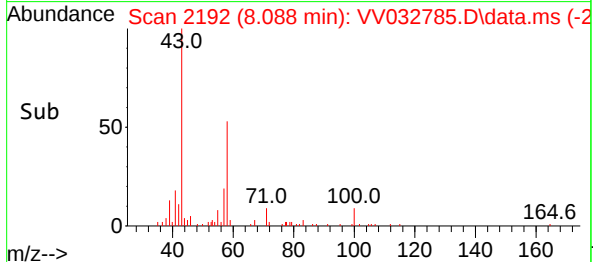
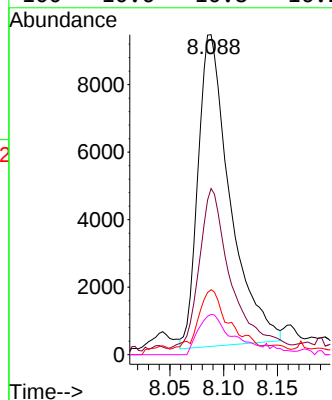
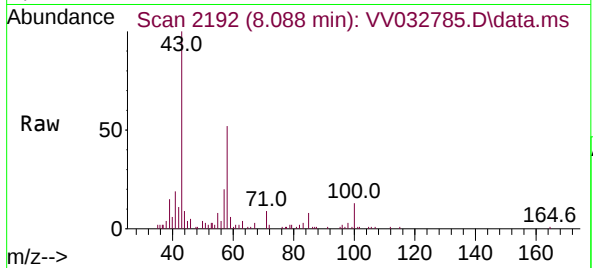




#48
2-Hexanone
Concen: 6.521 ug/L
RT: 8.088 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

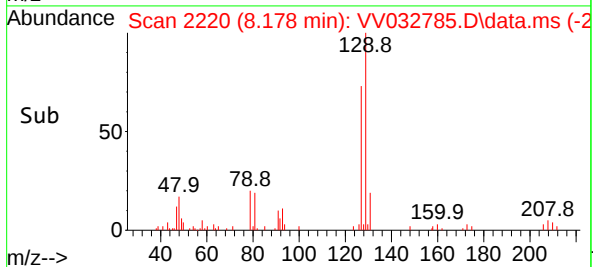
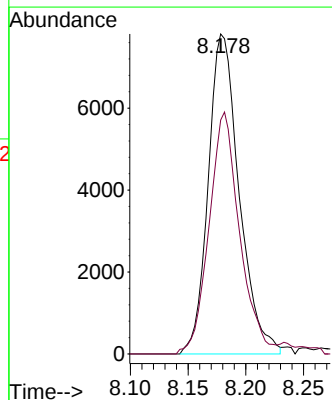
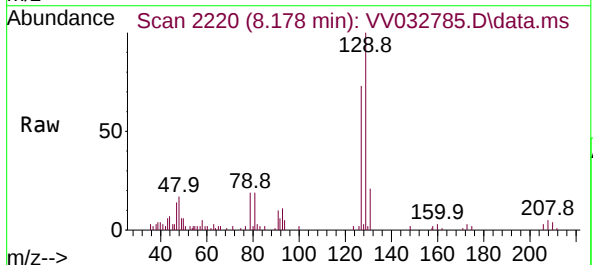
Instrument :
MSVOA_V
ClientSampleId :

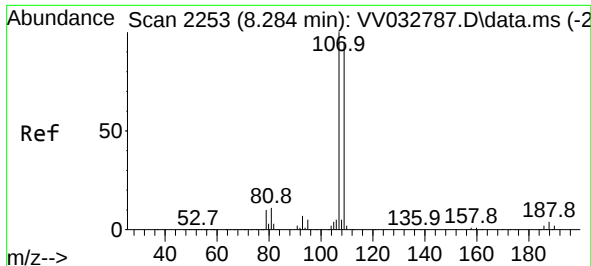
Tgt Ion: 43	Resp: 19118
Ion Ratio	Lower Upper
43 100	
58 52.2	43.3 64.9
57 11.4	15.5 23.3#
100 10.6	10.8 16.2#



#49
Dibromochloromethane
Concen: 5.813 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion: 129	Resp: 14563
Ion Ratio	Lower Upper
129 100	
127 71.3	54.7 101.5





#50

1,2-Dibromoethane

Concen: 4.963 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032785.D

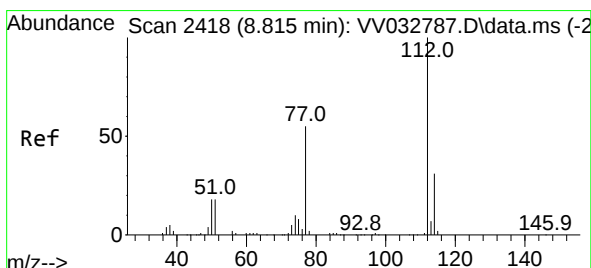
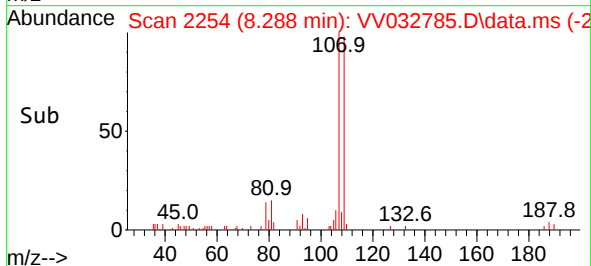
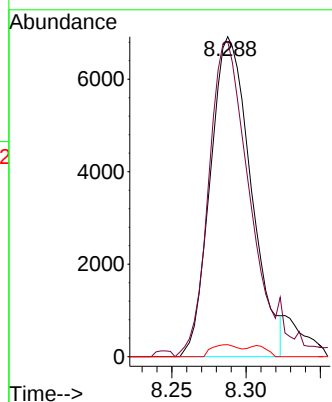
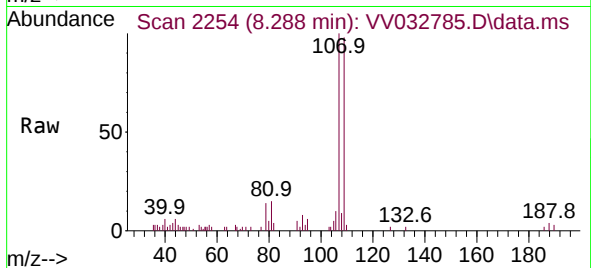
Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	13145
Ion	Ratio	Lower	Upper
107	100		
109	98.5	66.4	123.2
188	3.8	3.0	4.6



#51

Chlorobenzene

Concen: 5.457 ug/L

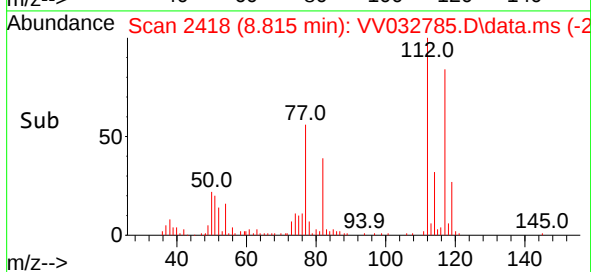
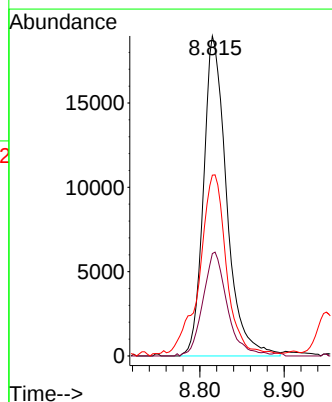
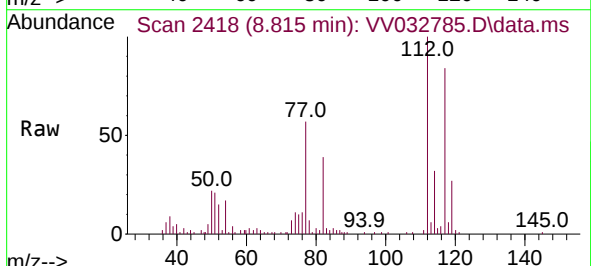
RT: 8.815 min Scan# 2418

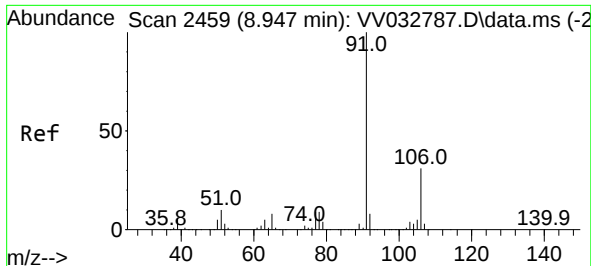
Delta R.T. 0.000 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Tgt Ion:	112	Resp:	36237
Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.6	40.2
77	56.5	44.4	66.6





#52

Ethylbenzene

Concen: 4.194 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

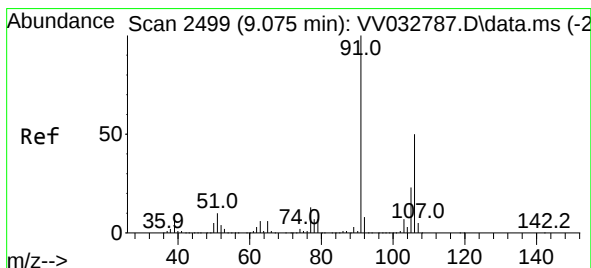
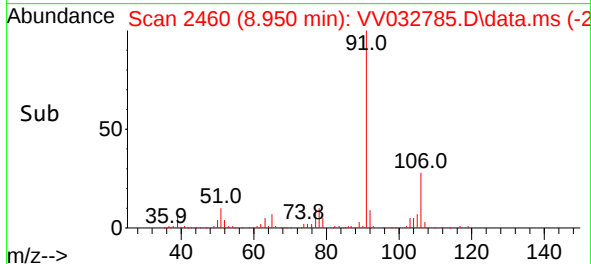
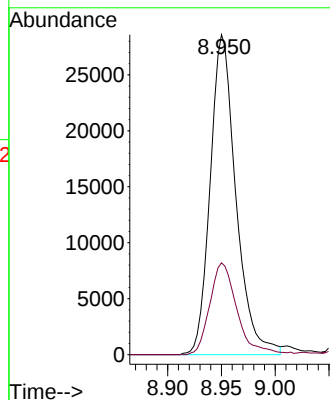
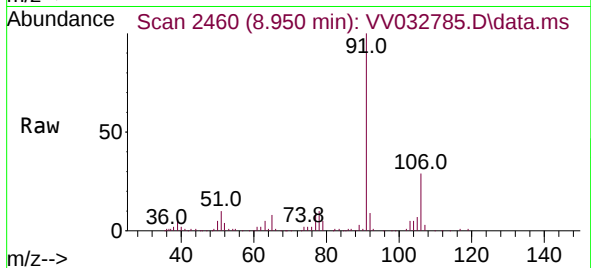
ClientSampleId :

Tgt Ion: 91 Resp: 47627

Ion Ratio Lower Upper

91 100

106 28.7 21.7 40.3



#53

m,p-Xylene

Concen: 4.131 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032785.D

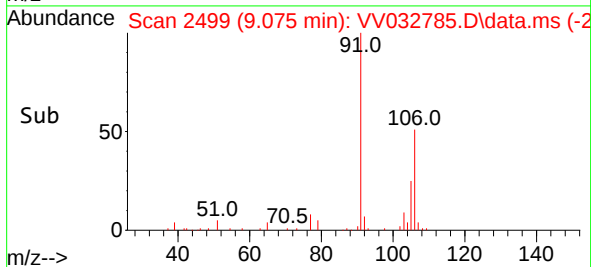
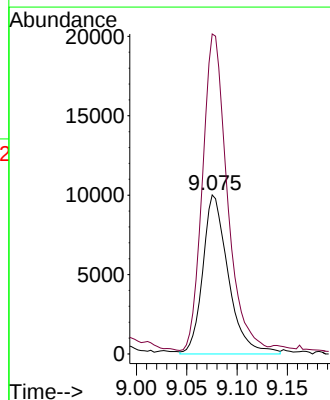
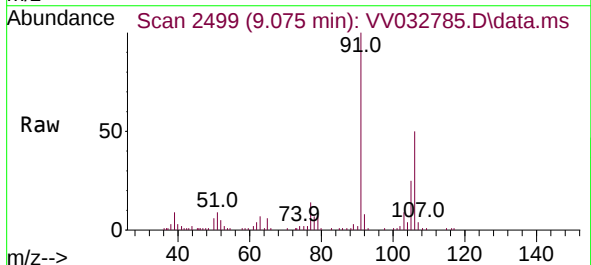
Acq: 31 Oct 2023 08:48

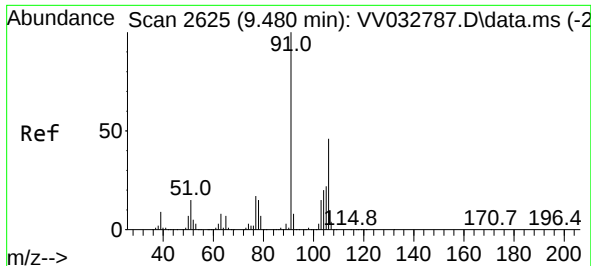
Tgt Ion: 106 Resp: 17654

Ion Ratio Lower Upper

106 100

91 201.2 139.7 259.5

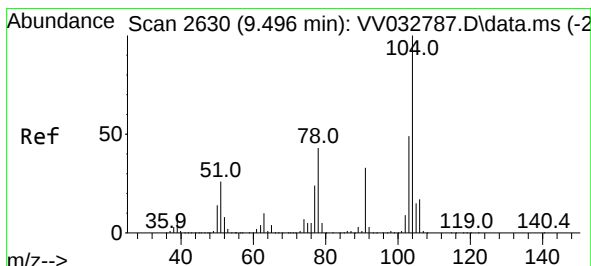
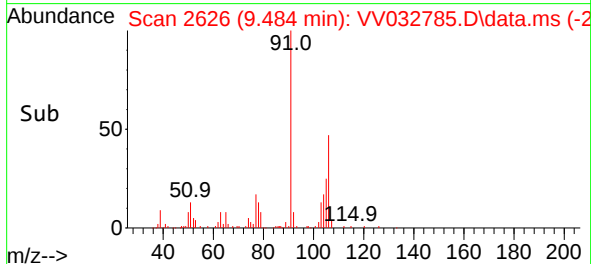
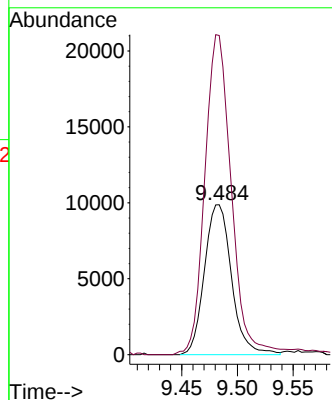
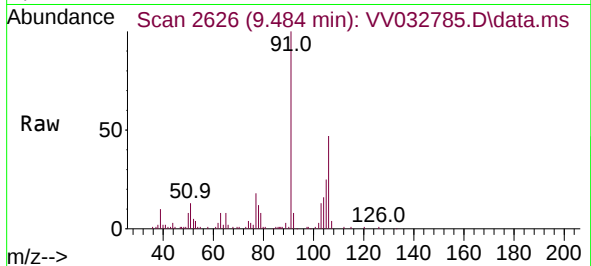




#54
o-Xylene
Concen: 4.001 ug/L
RT: 9.484 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

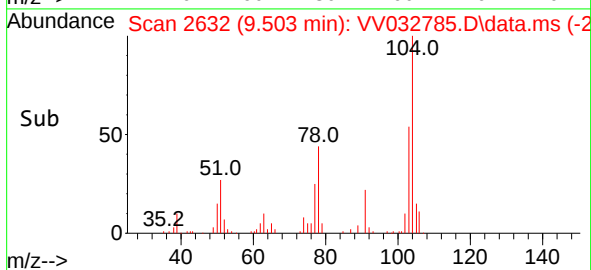
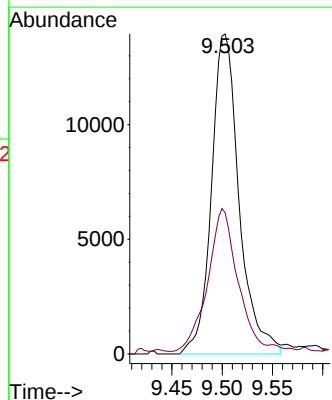
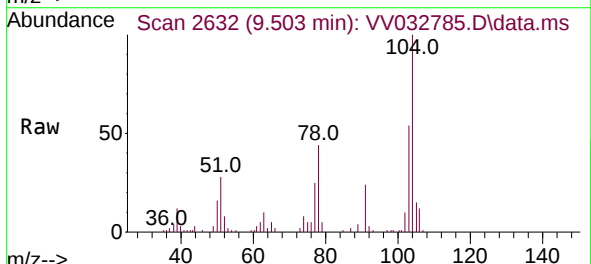
Instrument :
MSVOA_V
ClientSampleId :

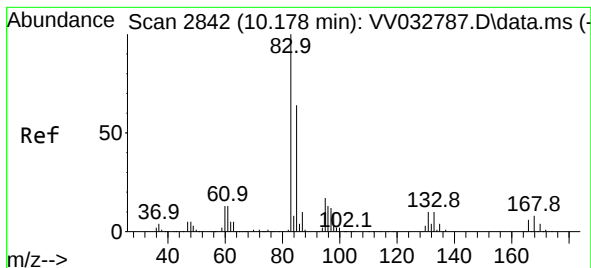
Tgt Ion:106 Resp: 16709
Ion Ratio Lower Upper
106 100
91 212.9 151.0 280.4



#55
Styrene
Concen: 3.702 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.006 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion:104 Resp: 26721
Ion Ratio Lower Upper
104 100
78 44.1 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.379 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV032785.D

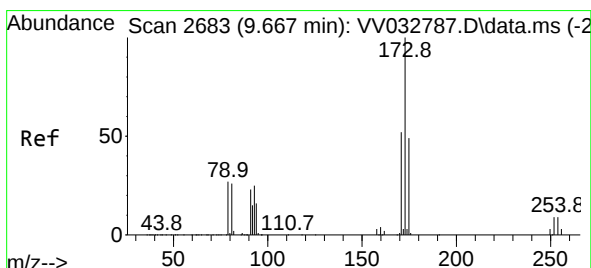
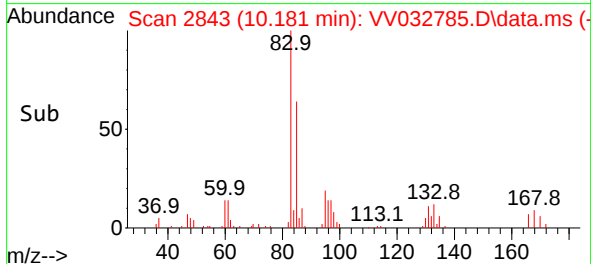
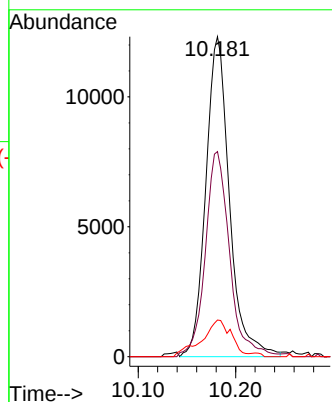
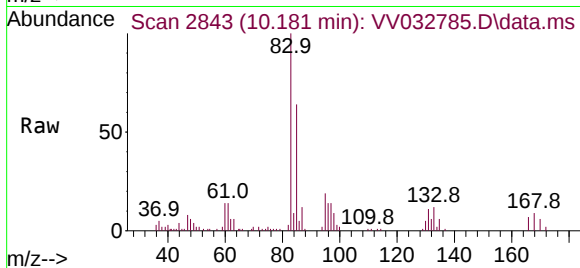
Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	20764
Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.9	83.3
131	11.5	7.8	11.6



#59

Bromoform

Concen: 5.905 ug/L

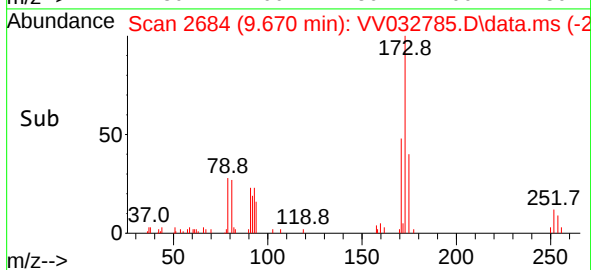
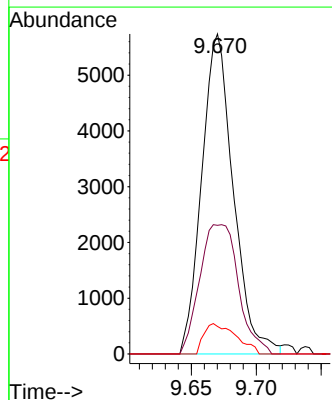
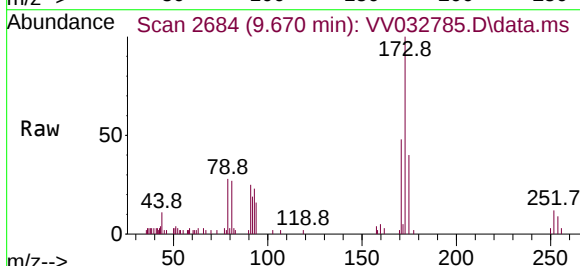
RT: 9.670 min Scan# 2684

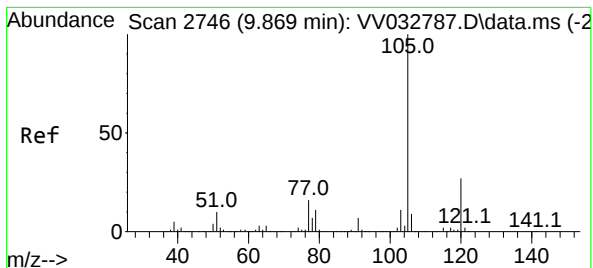
Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Tgt Ion:	173	Resp:	9702
Ion	Ratio	Lower	Upper
173	100		
175	24.9	38.4	57.6#
254	9.6	7.0	10.6





#60

Isopropylbenzene

Concen: 4.309 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032785.D

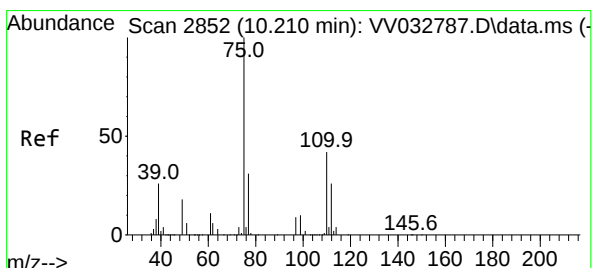
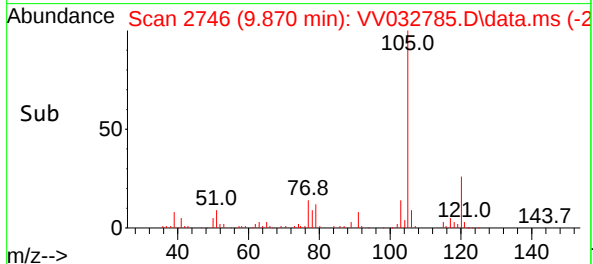
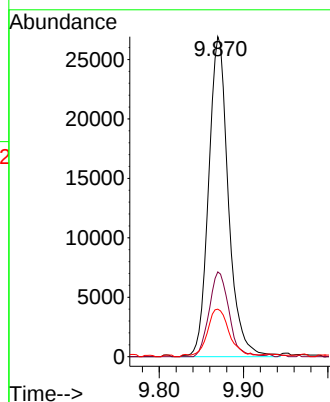
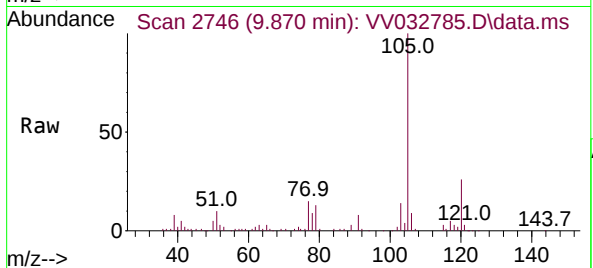
Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:105	Resp:	43917
Ion Ratio	Lower	Upper
105	100	
120	26.5	21.1 31.7
77	15.8	12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.604 ug/L

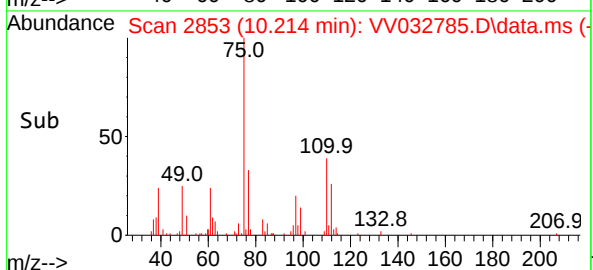
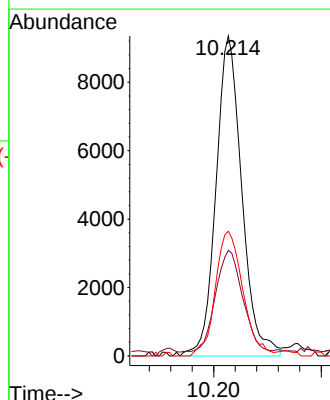
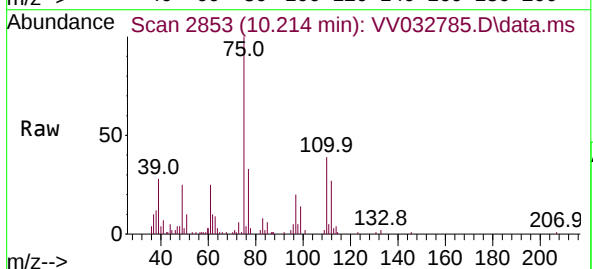
RT: 10.214 min Scan# 2853

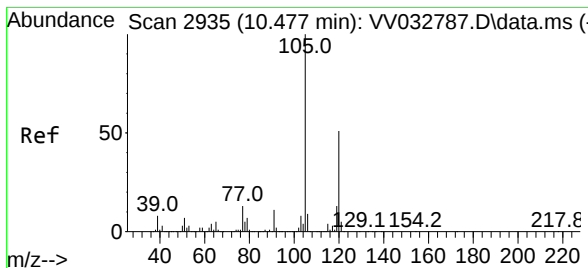
Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Tgt Ion: 75	Resp:	15601
Ion Ratio	Lower	Upper
75	100	
77	32.7	25.4 38.0
110	41.5	34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 3.811 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

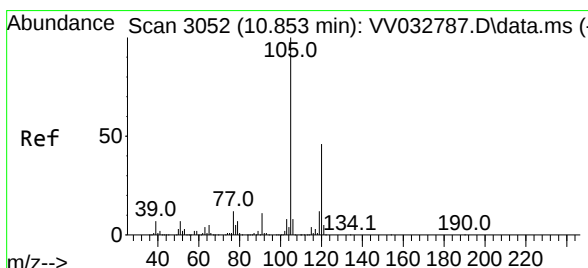
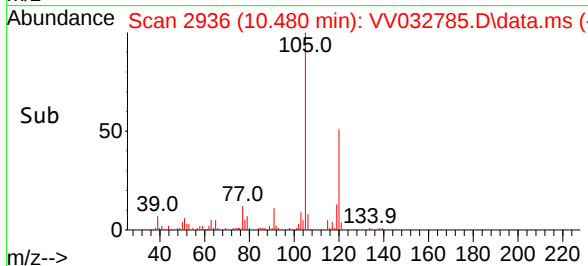
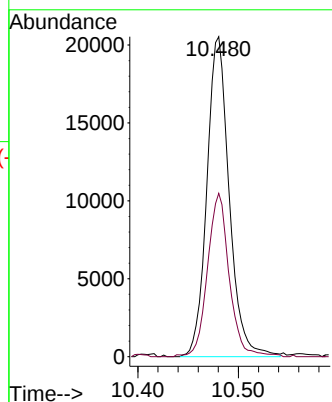
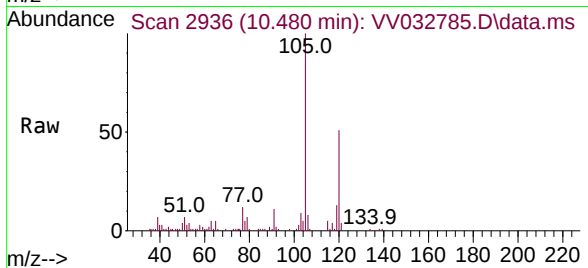
ClientSampleId :

Tgt Ion:105 Resp: 31743

Ion Ratio Lower Upper

105 100

120 48.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 3.563 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032785.D

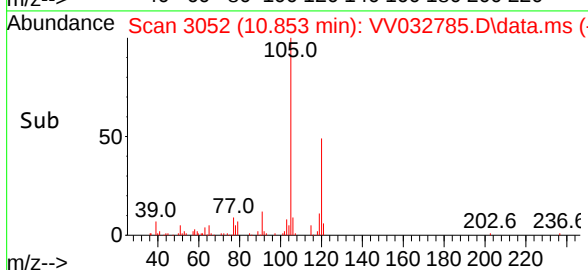
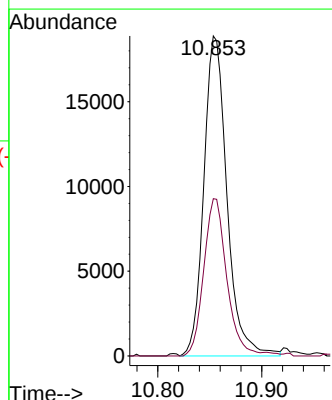
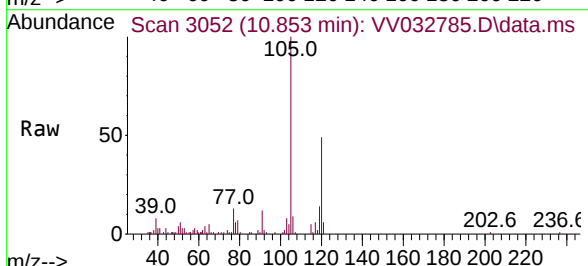
Acq: 31 Oct 2023 08:48

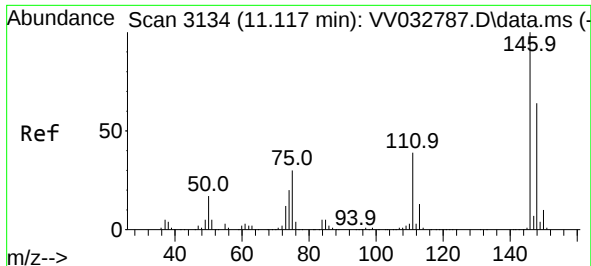
Tgt Ion:105 Resp: 29129

Ion Ratio Lower Upper

105 100

120 48.6 37.0 55.6

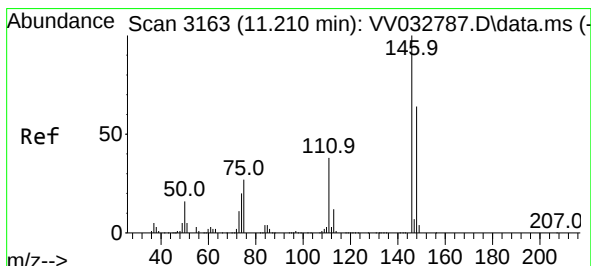
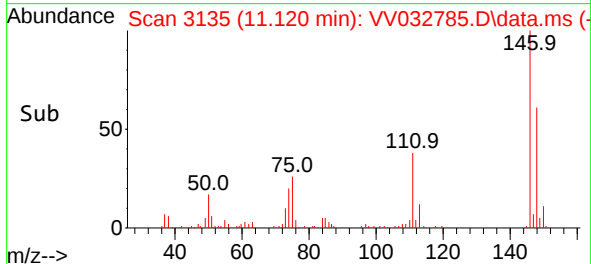
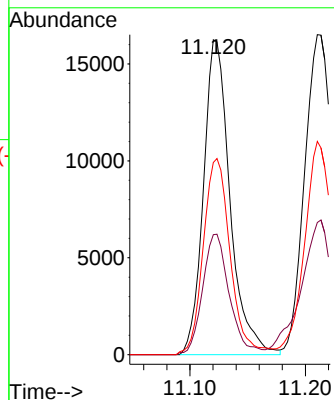
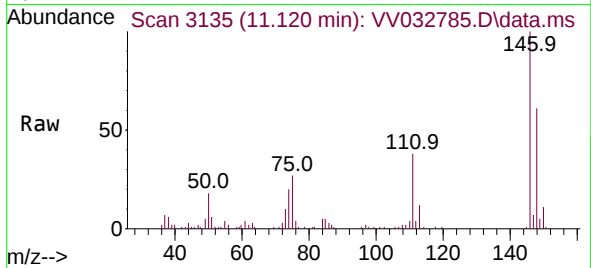




#64
1,3-Dichlorobenzene
Concen: 5.355 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

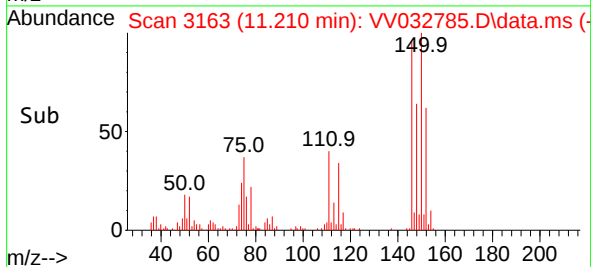
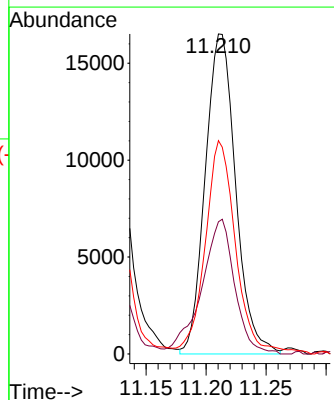
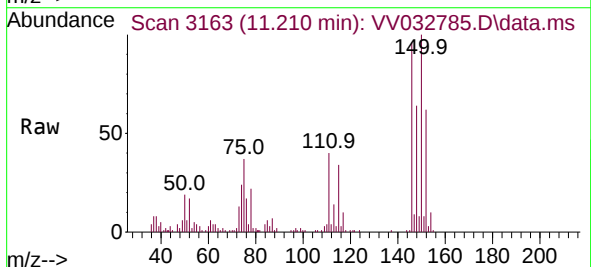
Instrument :
MSVOA_V
ClientSampleId :

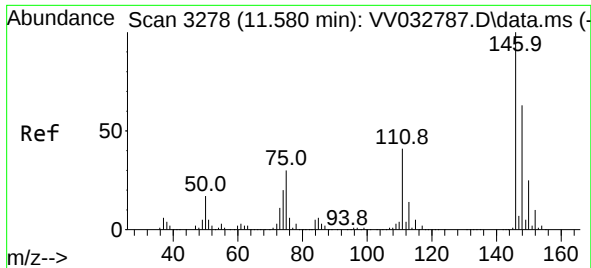
Tgt Ion:146 Resp: 25994
Ion Ratio Lower Upper
146 100
111 38.1 27.2 50.4
148 61.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.913 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032785.D
Acq: 31 Oct 2023 08:48

Tgt Ion:146 Resp: 29111
Ion Ratio Lower Upper
146 100
111 41.3 26.5 49.1
148 66.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 5.686 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

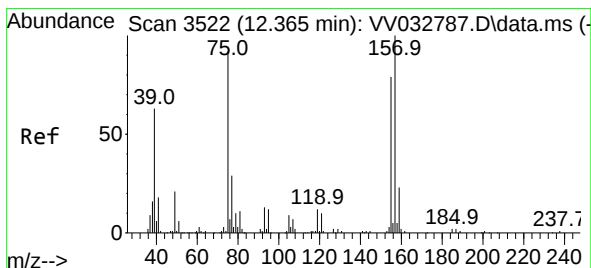
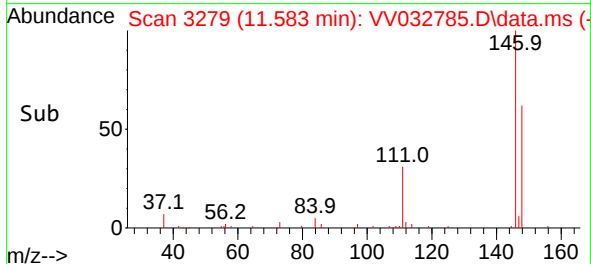
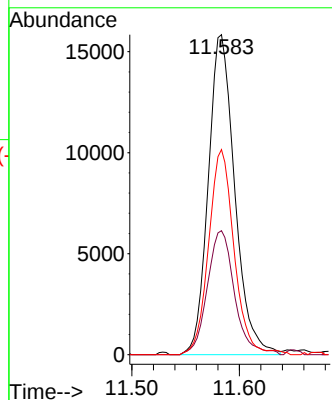
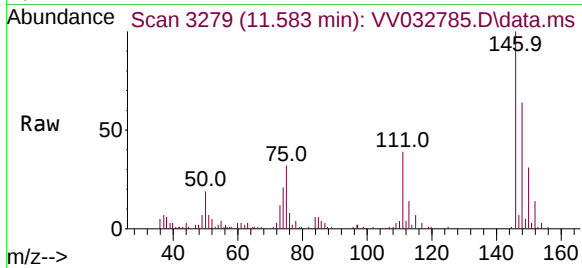
Tgt Ion:146 Resp: 27163

Ion Ratio Lower Upper

146 100

111 38.7 32.5 48.7

148 64.1 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.713 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

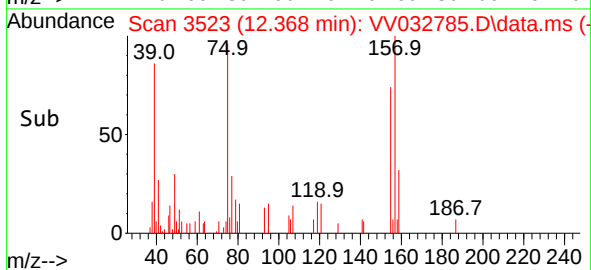
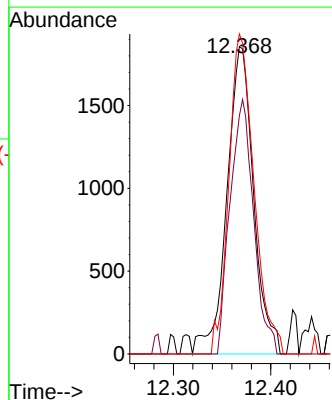
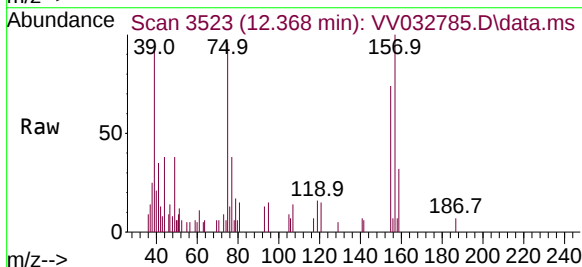
Tgt Ion: 75 Resp: 3597

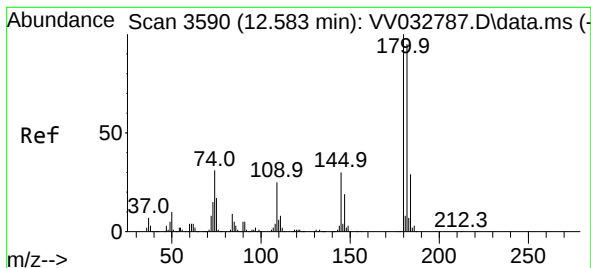
Ion Ratio Lower Upper

75 100

155 77.5 68.6 102.8

157 104.0 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 5.132 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.003 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 18034

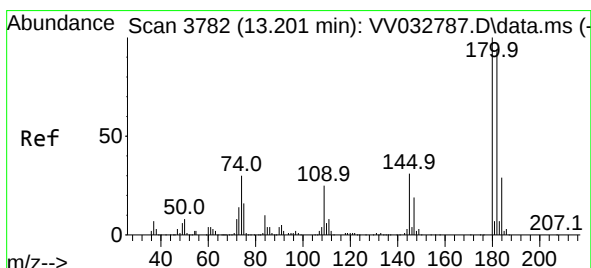
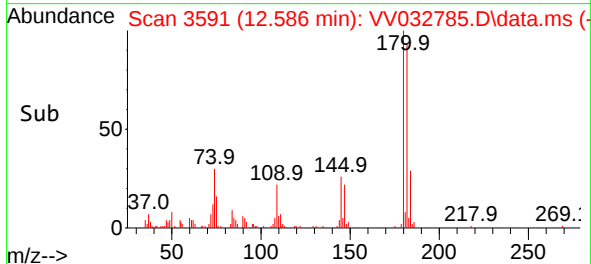
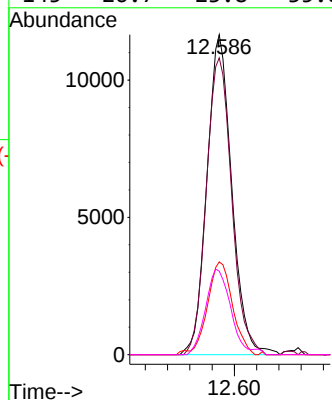
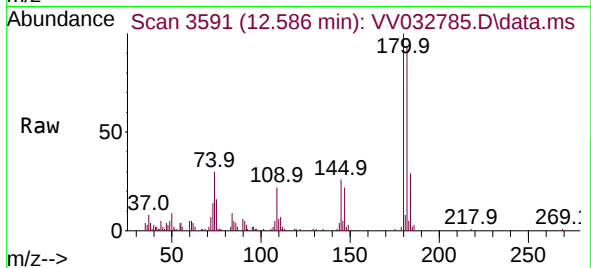
Ion Ratio Lower Upper

180 100

182 94.4 75.9 113.9

184 28.7 23.5 35.3

145 26.7 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.482 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

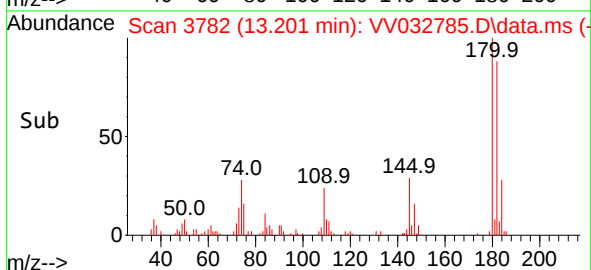
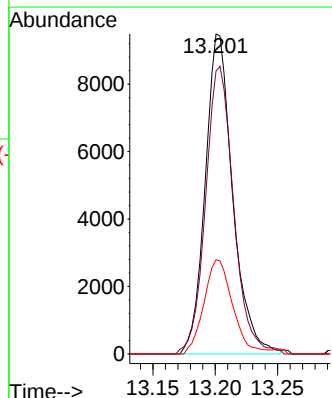
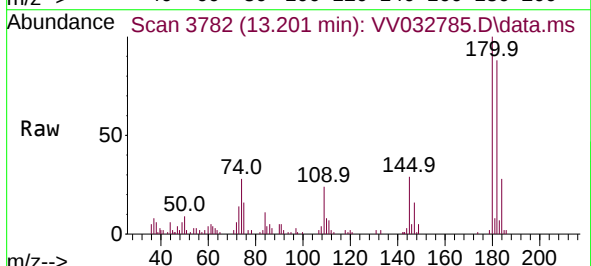
Tgt Ion:180 Resp: 14549

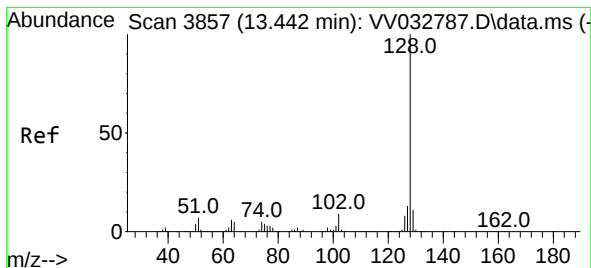
Ion Ratio Lower Upper

180 100

182 91.1 76.9 115.3

145 30.8 24.7 37.1





#71

Naphthalene

Concen: 2.721 ug/L

RT: 13.445 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV032785.D

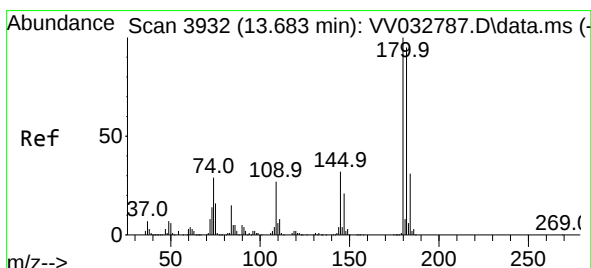
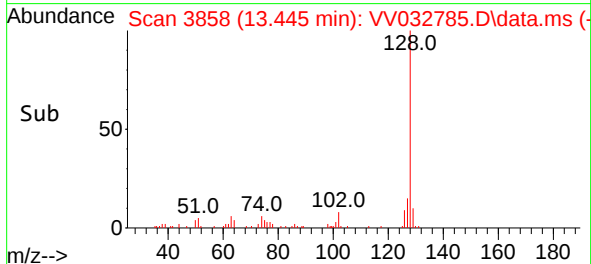
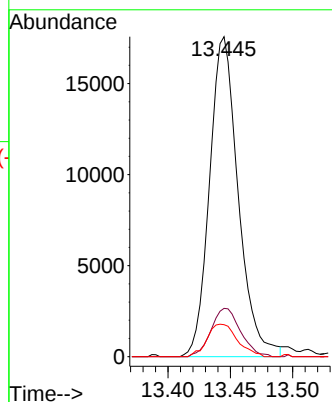
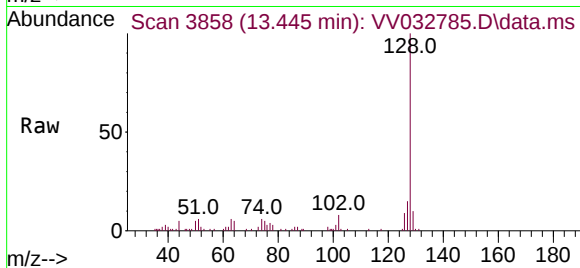
Acq: 31 Oct 2023 08:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	28206
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.6	15.8
129	10.7	8.6	12.8



#72

1,2,3-Trichlorobenzene

Concen: 4.089 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032785.D

Acq: 31 Oct 2023 08:48

Tgt Ion:	180	Resp:	13336
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.2	114.4
145	32.8	25.8	38.8

