

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122023\
 Data File : VW033523.D
 Acq On : 20 Dec 2023 19:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 21 01:50:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 21 01:43:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	262725	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	269978	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	145533	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	95696	47.299	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.600%		
7) Chloroethane-d5	1.532	69	85746	47.226	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.460%		
11) 1,1-Dichloroethene-d2	2.060	65	43926	43.614	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.220%		
21) 2-Butanone-d5	3.783	46	108685	106.587	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.590%		
24) Chloroform-d	4.249	84	193279	48.294	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.580%		
26) 1,2-Dichloroethane-d4	4.940	65	120151	48.871	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.740%		
32) Benzene-d6	4.960	84	356382	49.012	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.020%		
36) 1,2-Dichloropropane-d6	5.989	67	111263	50.417	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.840%		
41) Toluene-d8	7.243	98	325305	48.893	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.780%		
43) trans-1,3-Dichloroprop...	7.551	79	51543	47.656	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.320%		
47) 2-Hexanone-d5	8.024	63	77019	103.761	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.760%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	155144	48.913	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.820%		
66) 1,2-Dichlorobenzene-d4	11.561	152	123112	45.017	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	99485	46.090	ug/L	100
3) Chloromethane	1.214	50	107458	54.076	ug/L	100
5) Vinyl chloride	1.285	62	108418	50.893	ug/L	99
6) Bromomethane	1.484	94	69012	45.256	ug/L	100
8) Chloroethane	1.548	64	75787	52.697	ug/L	95
9) Trichlorofluoromethane	1.716	101	171778	45.985	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	101287	46.476	ug/L	98
12) 1,1-Dichloroethene	2.072	96	88854	47.993	ug/L	88
13) Acetone	2.108	43	118590	100.193	ug/L	100
14) Carbon disulfide	2.243	76	227328	48.049	ug/L	100
15) Methyl Acetate	2.371	43	104951	62.086	ug/L	91
16) Methylene chloride	2.449	84	106399	51.457	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	89424	51.101	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	288592	54.306	ug/L	98
19) 1,1-Dichloroethane	3.111	63	188980	56.346	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	100016	50.408	ug/L	94
22) 2-Butanone	3.863	43	135562	116.251	ug/L	92
23) Bromochloromethane	4.150	128	54338	49.964	ug/L	90
25) Chloroform	4.275	83	198031	52.466	ug/L	99

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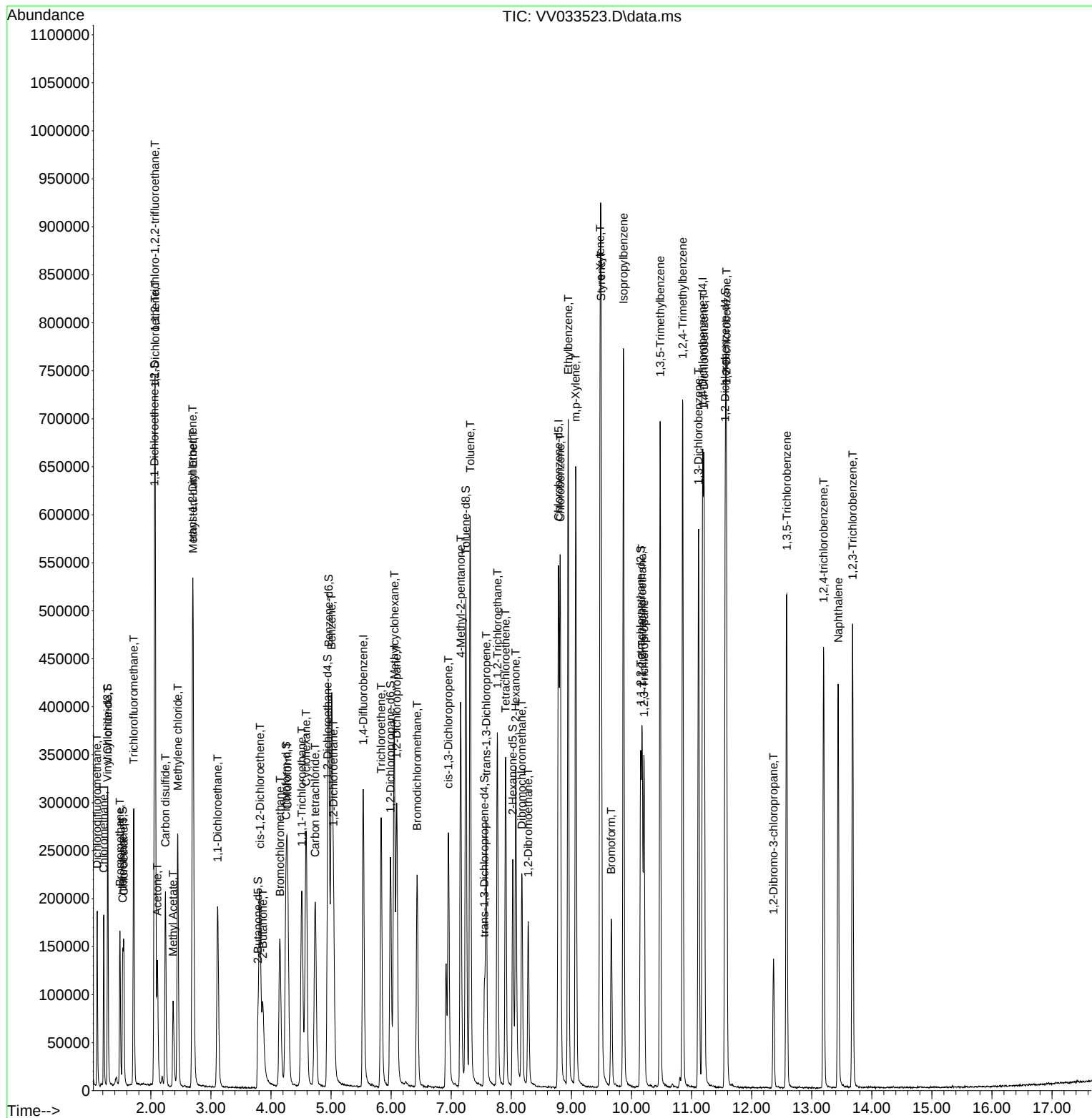
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	154753	53.190	ug/L	96
29) Cyclohexane	4.584	56	133737	54.961	ug/L	94
30) 1,1,1-Trichloroethane	4.513	97	167556	50.267	ug/L	98
31) Carbon tetrachloride	4.735	117	146293	49.041	ug/L	97
33) Benzene	5.008	78	398074	55.319	ug/L	100
34) Trichloroethene	5.834	95	100615	50.965	ug/L	93
35) Methylcyclohexane	6.053	83	143790	50.781	ug/L	94
37) 1,2-Dichloropropane	6.092	63	110326	56.534	ug/L	99
38) Bromodichloromethane	6.432	83	148686	52.937	ug/L	96
39) cis-1,3-Dichloropropene	6.953	75	157176	55.363	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	269642	129.476	ug/L	96
42) Toluene	7.317	91	419174	54.959	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	152811	53.639	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	107384	52.794	ug/L	97
46) Tetrachloroethene	7.905	164	72273	46.852	ug/L	97
48) 2-Hexanone	8.072	43	215463	124.045	ug/L	98
49) Dibromochloromethane	8.175	129	106785	49.649	ug/L	100
50) 1,2-Dibromoethane	8.281	107	109227	52.095	ug/L	97
51) Chlorobenzene	8.815	112	277450	50.477	ug/L	97
52) Ethylbenzene	8.947	91	457586	53.872	ug/L	99
53) m,p-Xylene	9.072	106	171447	53.724	ug/L	100
54) o-Xylene	9.477	106	164156	52.975	ug/L	95
55) Styrene	9.497	104	310219	56.726	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	168816	54.040	ug/L	99
59) Bromoform	9.664	173	71379	47.540	ug/L	99
60) Isopropylbenzene	9.866	105	449836	54.431	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	130749	56.053	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	340835	54.416	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	359680	55.292	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	216896	50.496	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	229167	49.573	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	226691	50.706	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	32792	51.897	ug/L	89
69) 1,3,5-Trichlorobenzene	12.583	180	143909	48.446	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	125167	48.204	ug/L	98
71) Naphthalene	13.442	128	314099	44.959	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	129244	50.887	ug/L	98

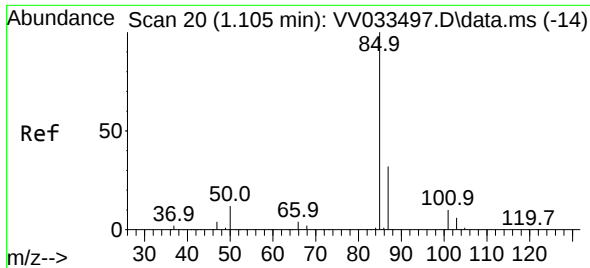
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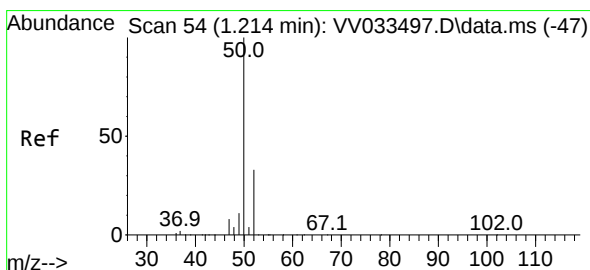
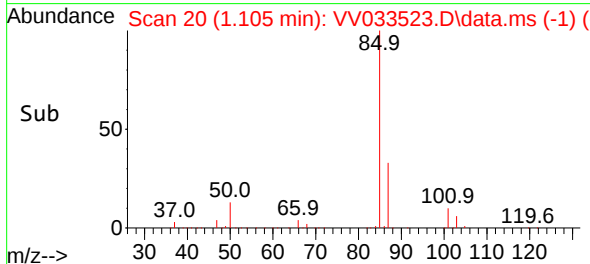
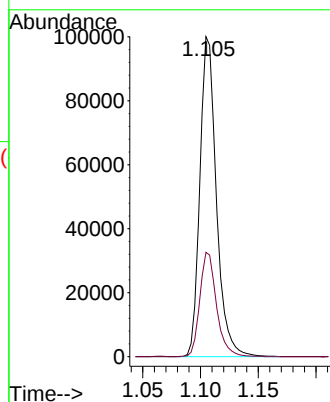
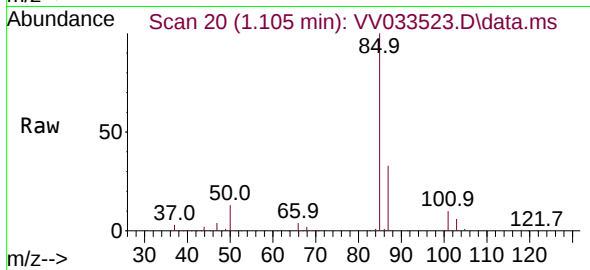




#2
 Dichlorodifluoromethane
 Concen: 46.090 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033523.D
 Acq: 20 Dec 2023 19:36

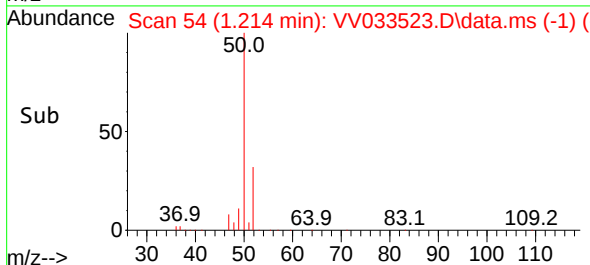
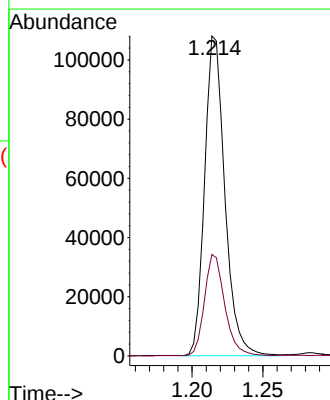
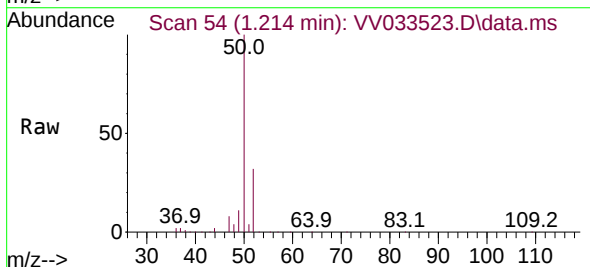
Instrument :
 MSVOA_V
 ClientSampleId :

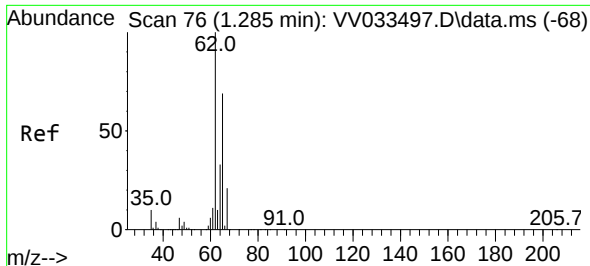
Tgt Ion: 85 Resp: 99485
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.6 39.8



#3
 Chloromethane
 Concen: 54.076 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033523.D
 Acq: 20 Dec 2023 19:36

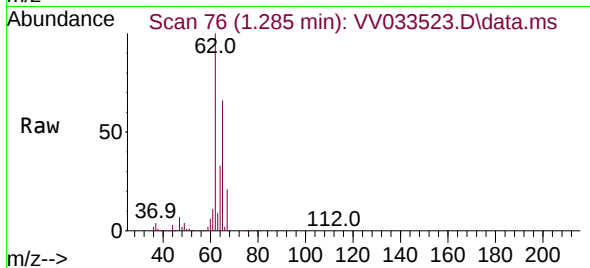
Tgt Ion: 50 Resp: 107458
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.3 41.5



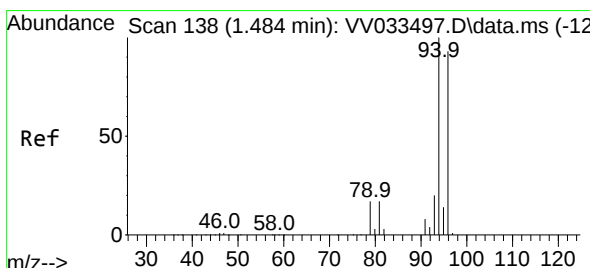
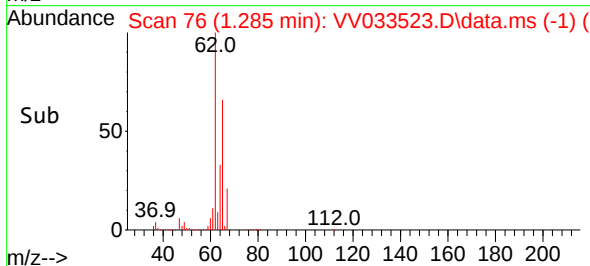
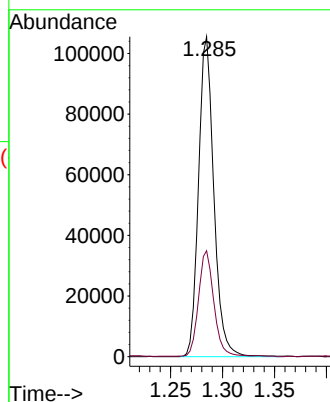


#5
 Vinyl chloride
 Concen: 50.893 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033523.D
 Acq: 20 Dec 2023 19:36

Instrument :
 MSVOA_V
 ClientSampleId :

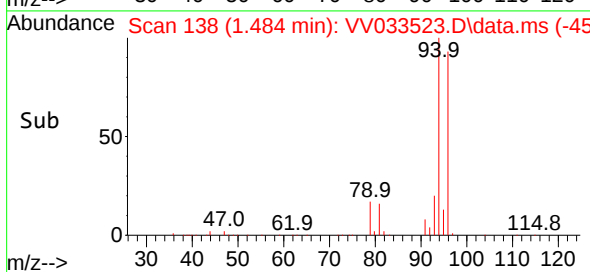
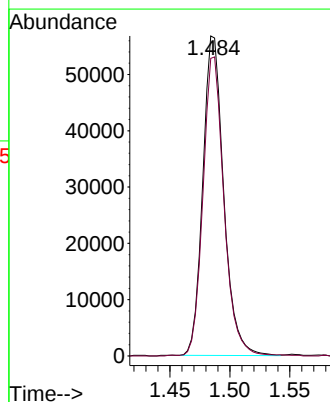
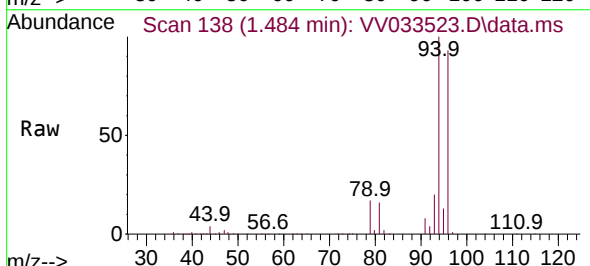


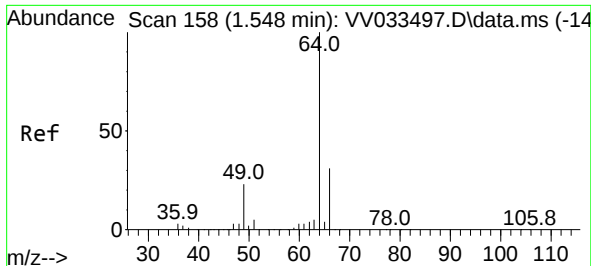
Tgt Ion: 62 Resp: 108418
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.4 43.6



#6
 Bromomethane
 Concen: 45.256 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033523.D
 Acq: 20 Dec 2023 19:36

Tgt Ion: 94 Resp: 69012
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.1 120.9

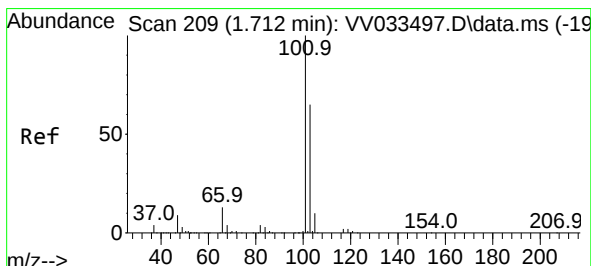
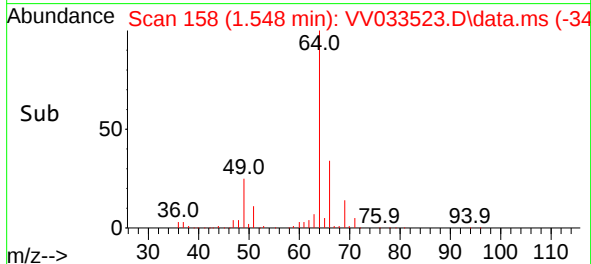
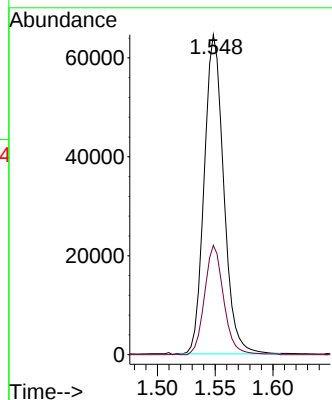
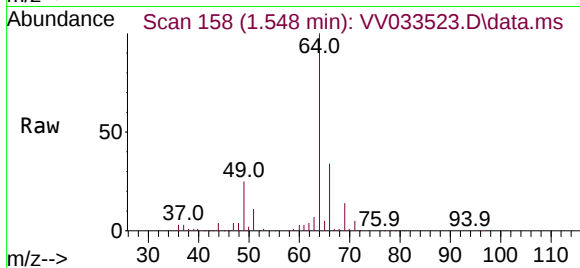




#8
Chloroethane
Concen: 52.697 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

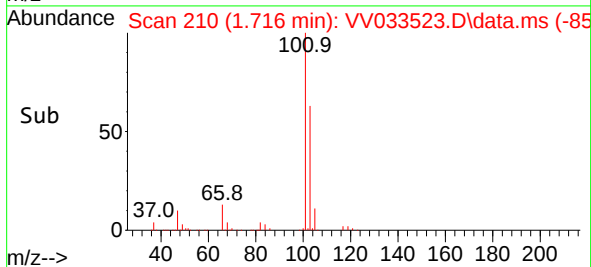
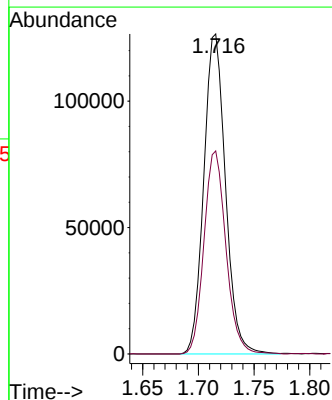
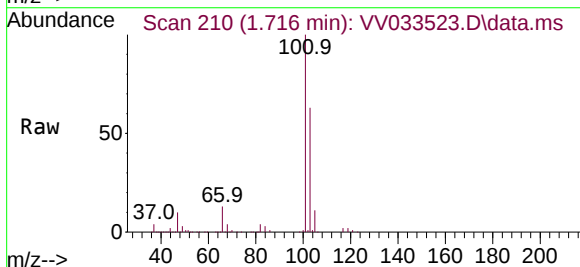
Instrument :
MSVOA_V
ClientSampleId :

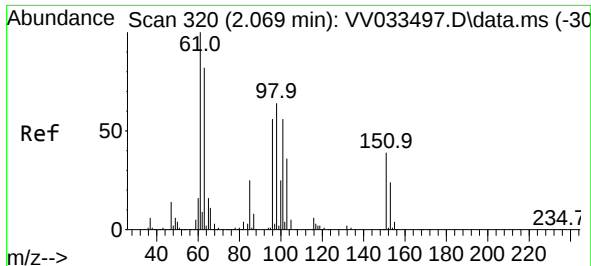
Tgt Ion: 64 Resp: 75787
Ion Ratio Lower Upper
64 100
66 34.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 45.985 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion:101 Resp: 171778
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4





#10

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

Concen: 46.476 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

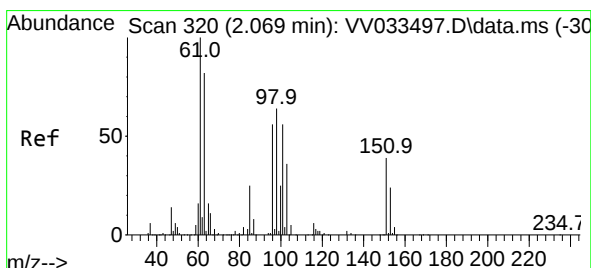
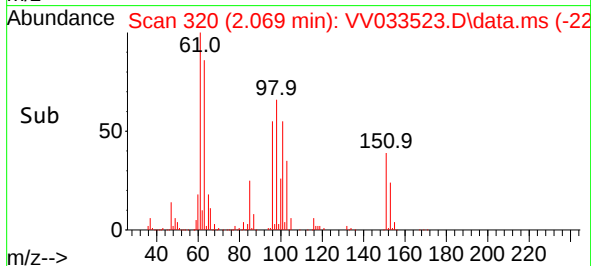
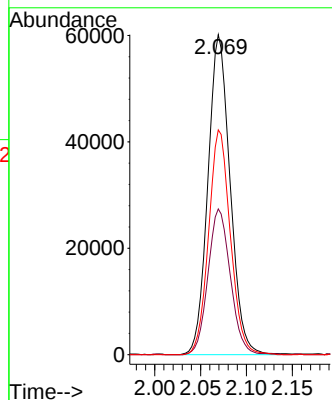
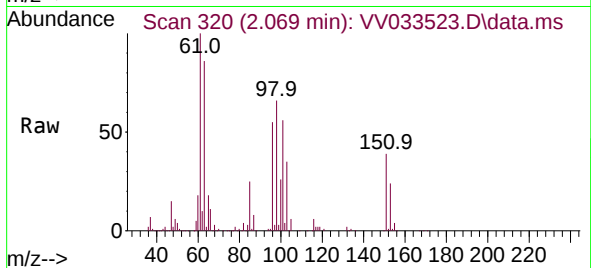
Tgt Ion:101 Resp: 101287

Ion Ratio Lower Upper

101 100

85 45.7 36.6 54.8

151 68.9 57.0 85.6



#12

1,1-Dichloroethene

Concen: 47.993 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

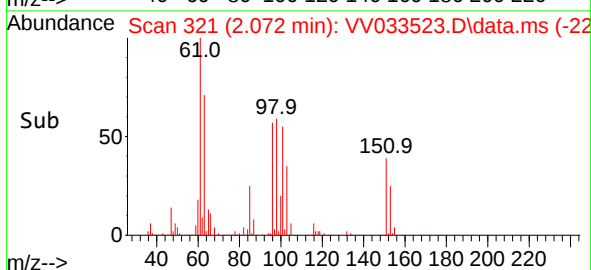
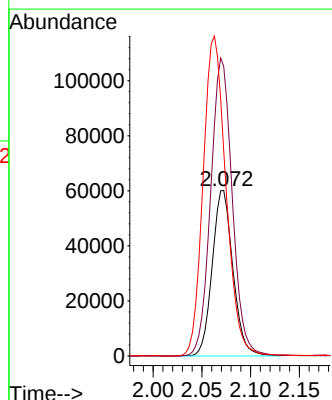
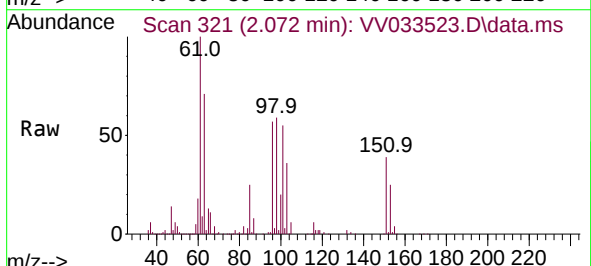
Tgt Ion: 96 Resp: 88854

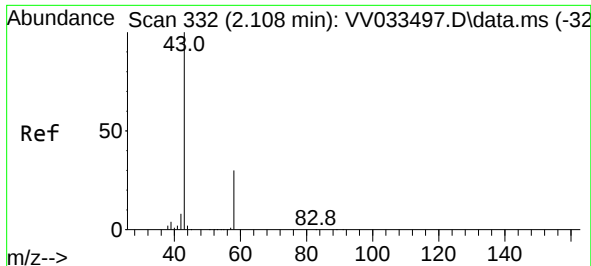
Ion Ratio Lower Upper

96 100

61 174.9 124.3 230.8

63 123.9 108.1 200.7





#13

Acetone

Concen: 100.193 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

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Instrument :

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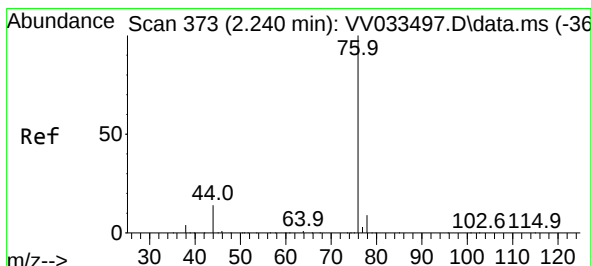
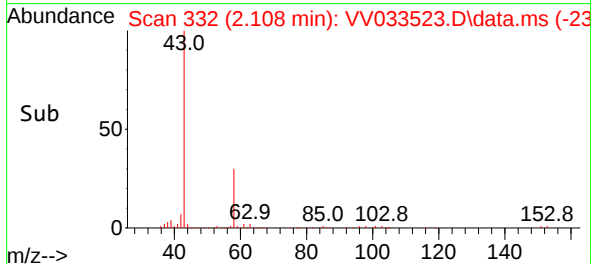
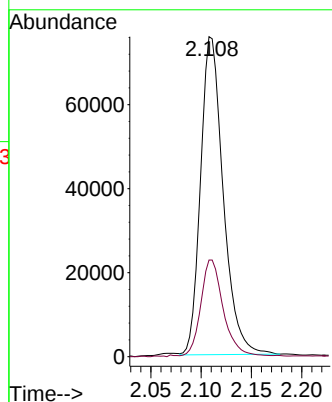
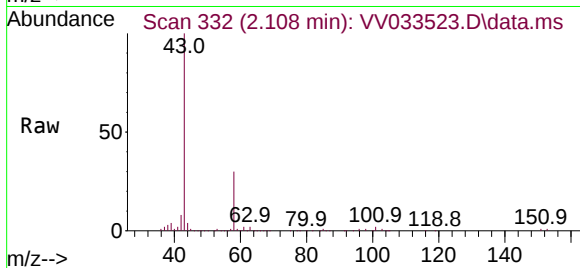
ClientSampleId :

Tgt Ion: 43 Resp: 118590

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.2



#14

Carbon disulfide

Concen: 48.049 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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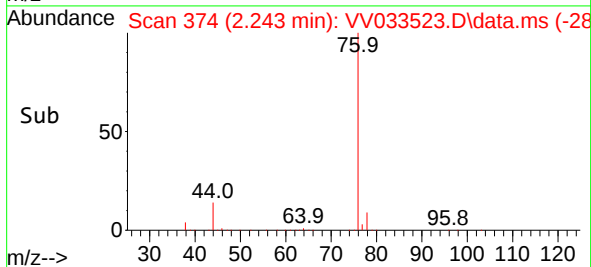
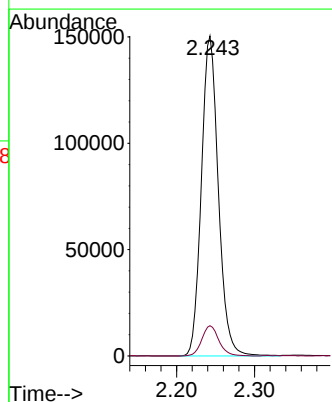
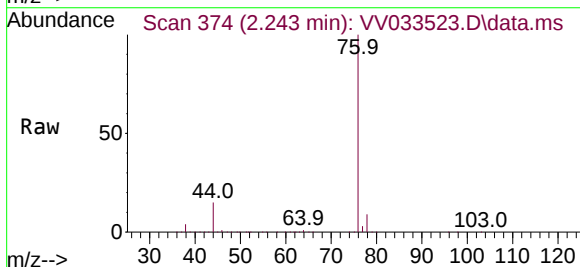
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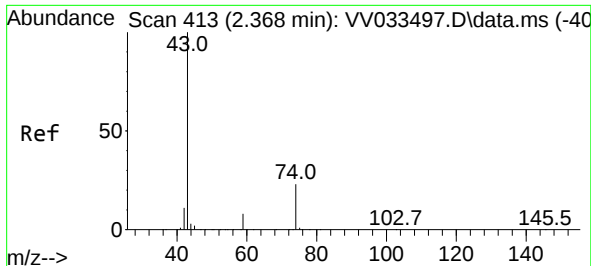
Tgt Ion: 76 Resp: 227328

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

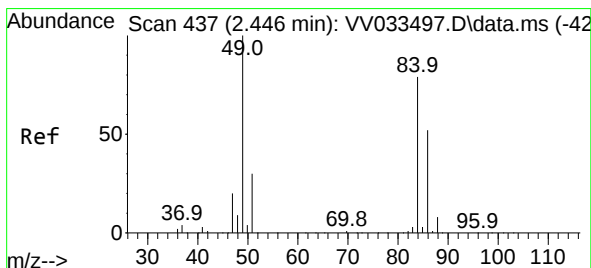
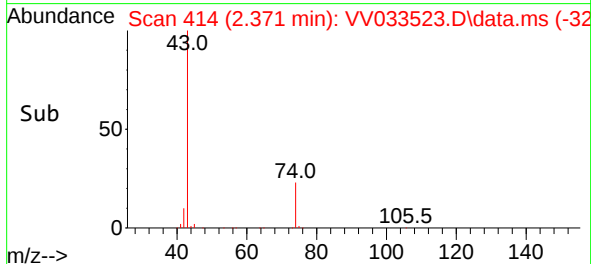
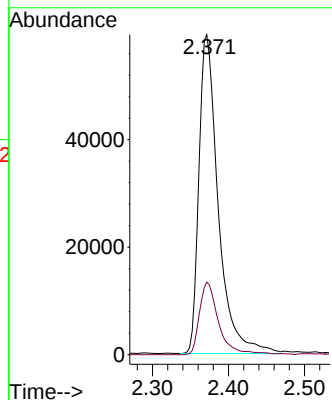
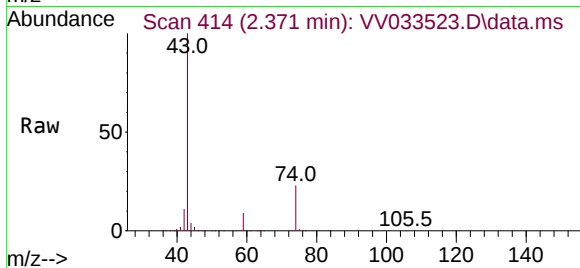




#15
Methyl Acetate
Concen: 62.086 ug/L
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

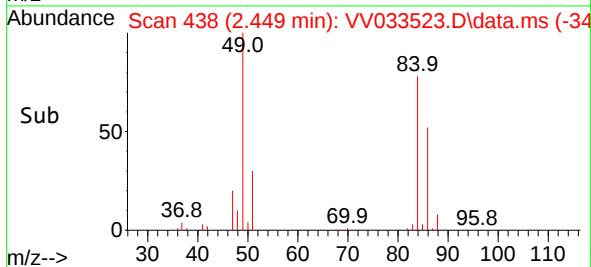
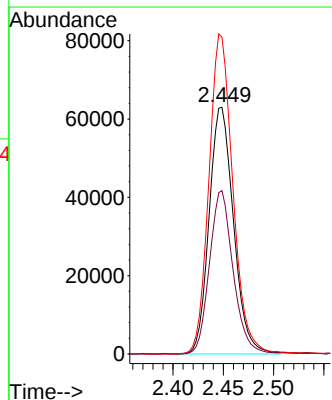
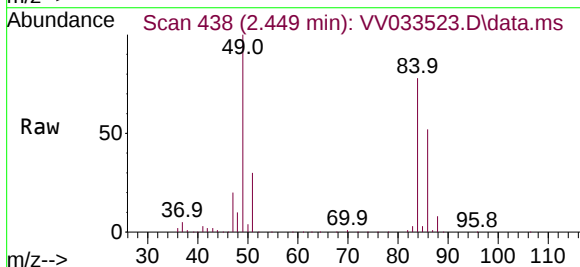
Instrument :
MSVOA_V
ClientSampleId :

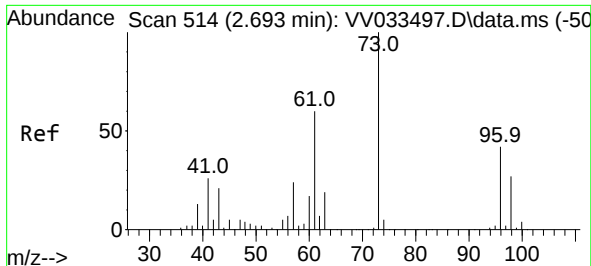
Tgt Ion: 43 Resp: 104951
Ion Ratio Lower Upper
43 100
74 21.6 20.8 31.2



#16
Methylene chloride
Concen: 51.457 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 84 Resp: 106399
Ion Ratio Lower Upper
84 100
86 66.2 45.4 84.2
49 128.4 83.3 154.7

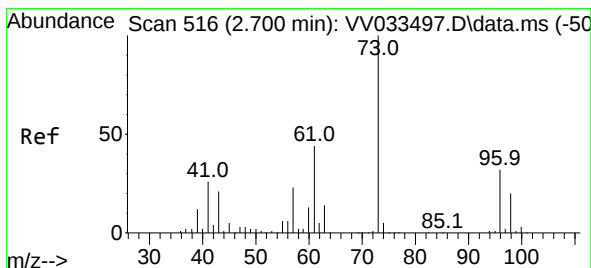
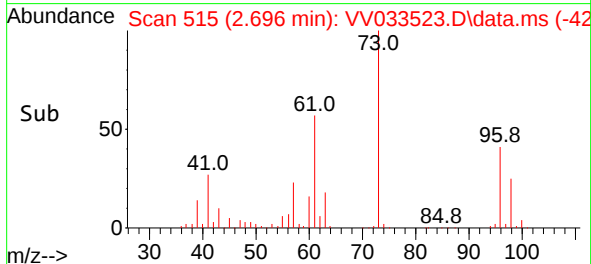
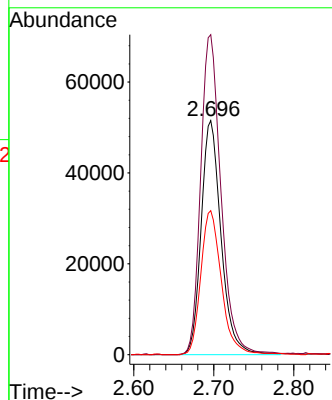
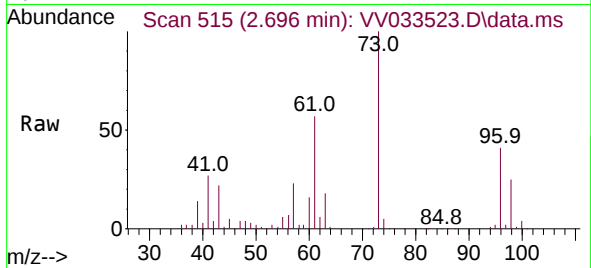




#17
trans-1,2-Dichloroethene
Concen: 51.101 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

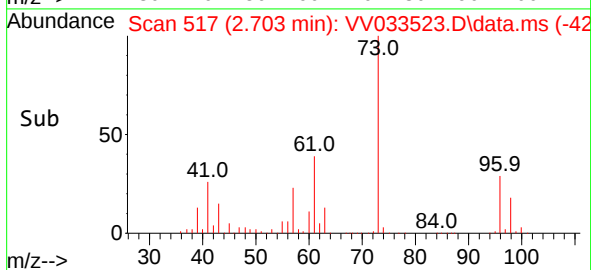
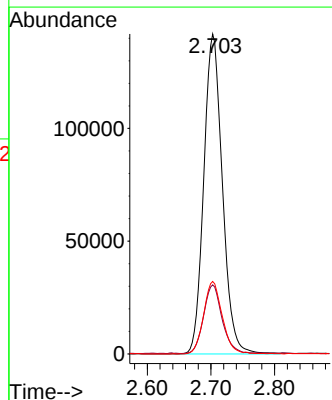
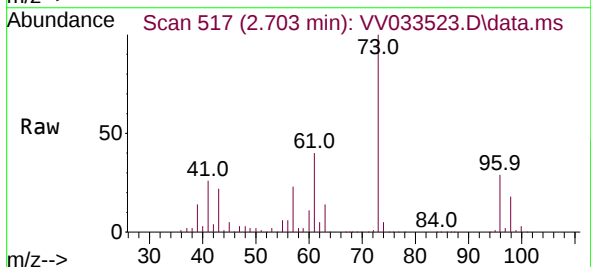
Instrument :
MSVOA_V
ClientSampleId :

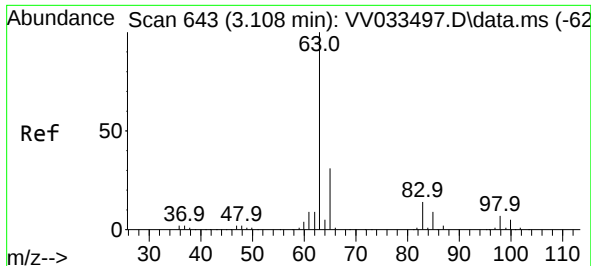
Tgt Ion: 96 Resp: 89424
Ion Ratio Lower Upper
96 100
61 136.7 89.6 166.4
98 61.5 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 54.306 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 73 Resp: 288592
Ion Ratio Lower Upper
73 100
43 21.3 16.3 24.5
57 22.4 17.3 25.9





#19

1,1-Dichloroethane

Concen: 56.346 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

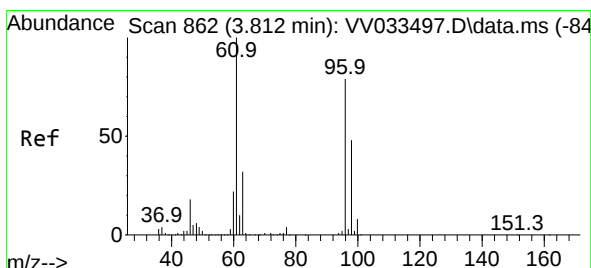
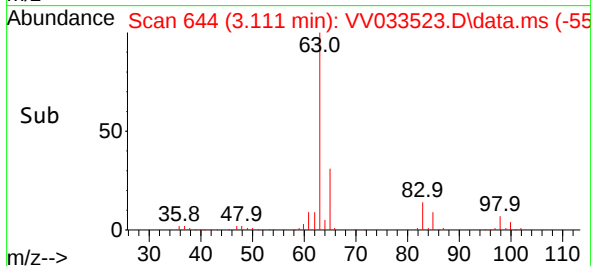
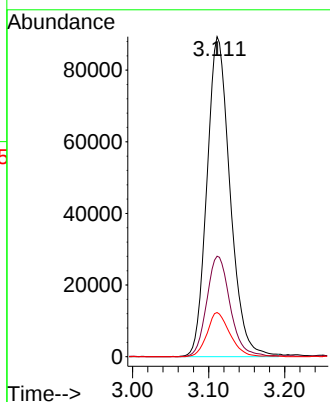
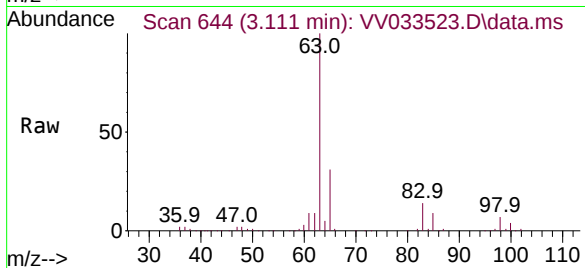
Tgt Ion: 63 Resp: 188980

Ion Ratio Lower Upper

63 100

65 31.4 21.1 39.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 50.408 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

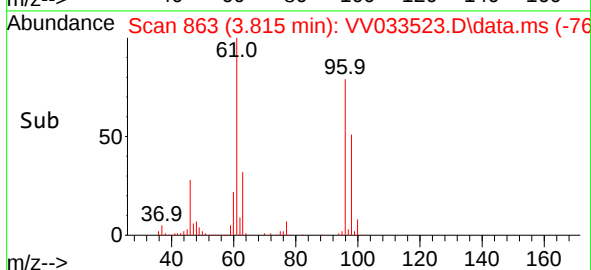
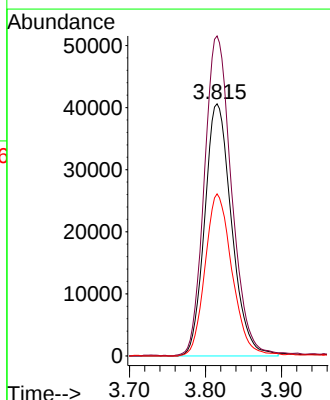
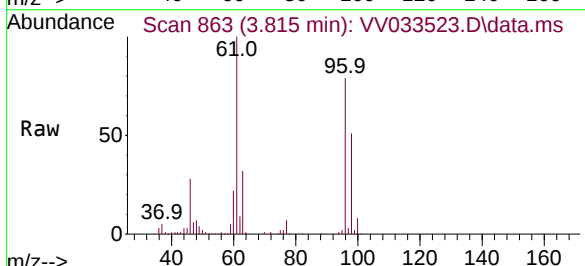
Tgt Ion: 96 Resp: 100016

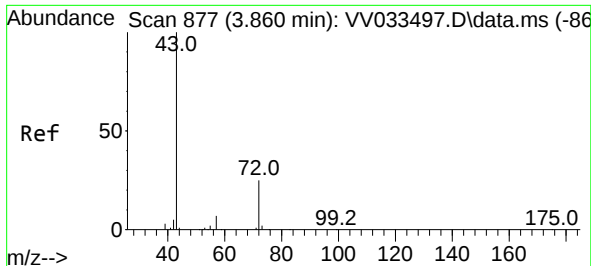
Ion Ratio Lower Upper

96 100

61 126.9 81.9 152.1

98 64.3 44.3 82.3

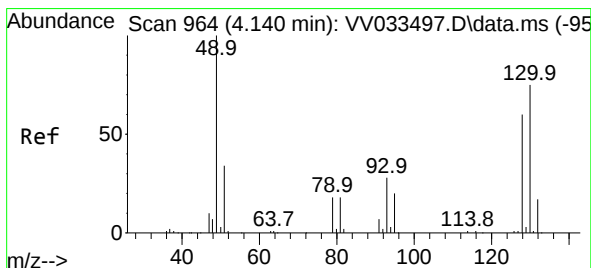
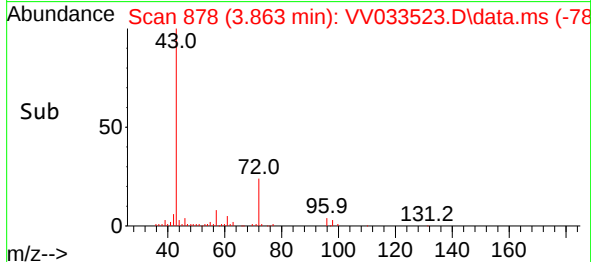
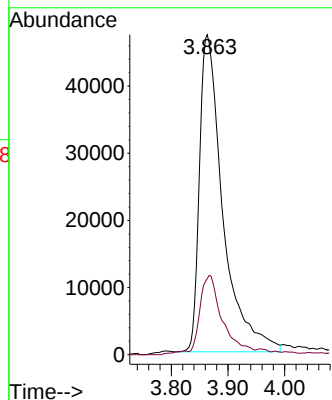
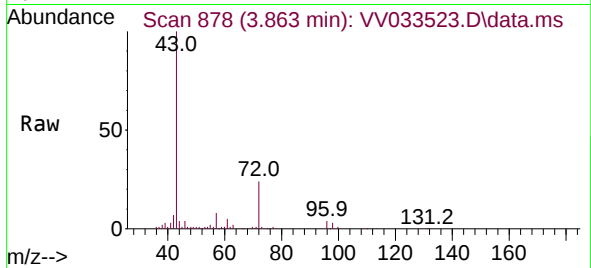




#22
2-Butanone
Concen: 116.251 ug/L
RT: 3.863 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

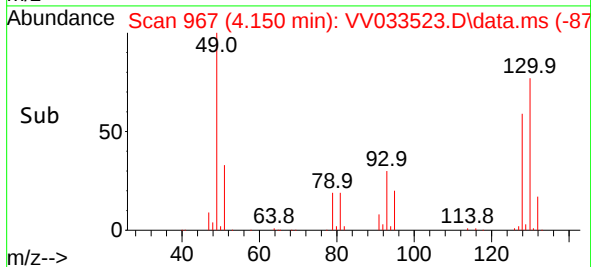
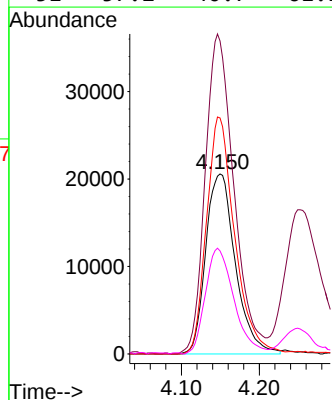
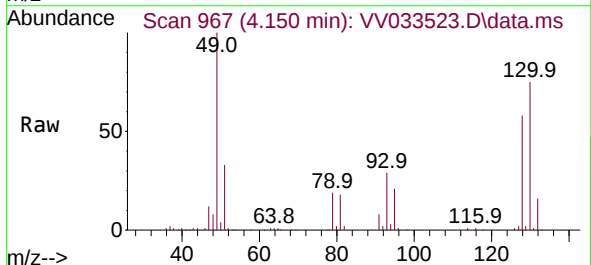
Instrument :
MSVOA_V
ClientSampleId :

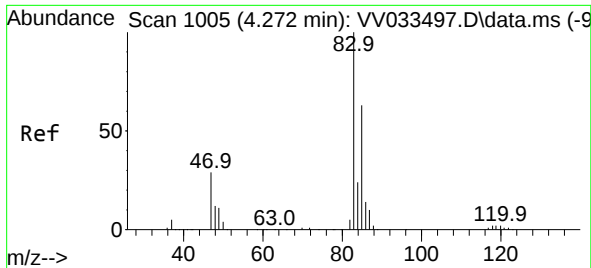
Tgt Ion: 43 Resp: 135562
Ion Ratio Lower Upper
43 100
72 21.1 12.4 37.4



#23
Bromochloromethane
Concen: 49.964 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.010 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion:128 Resp: 54338
Ion Ratio Lower Upper
128 100
49 173.8 106.0 196.9
130 131.1 93.6 173.8
51 57.2 40.7 61.1

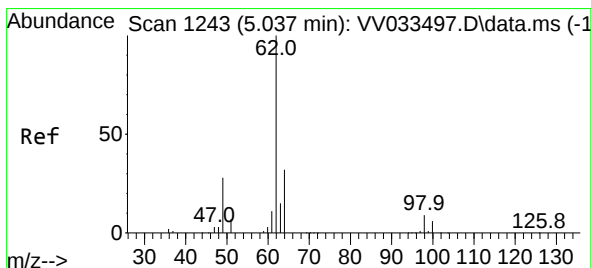
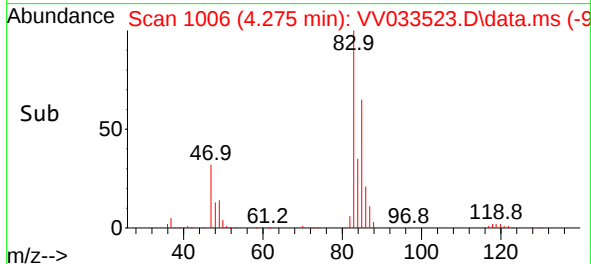
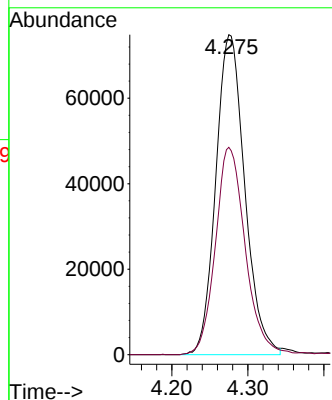
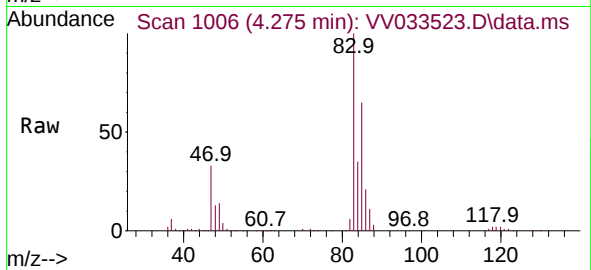




#25
Chloroform
Concen: 52.466 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

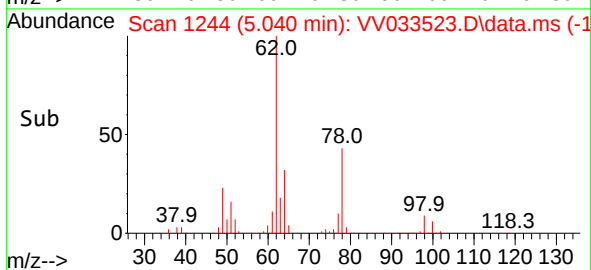
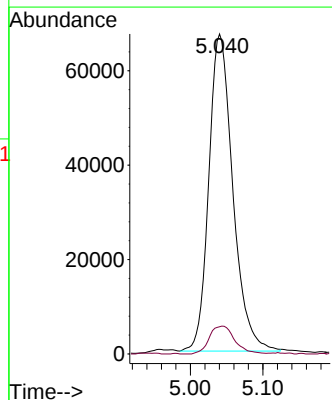
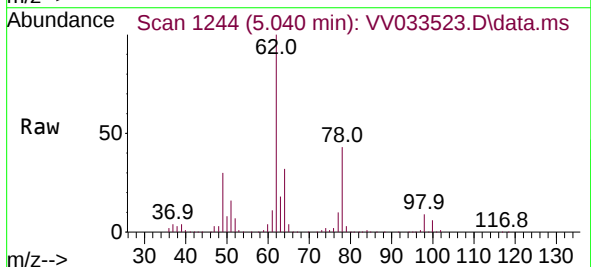
Instrument :
MSVOA_V
ClientSampleId :

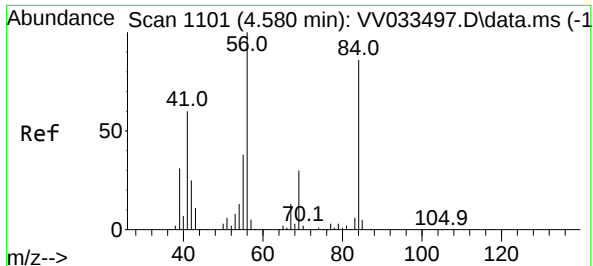
Tgt Ion: 83 Resp: 198031
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 53.190 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 62 Resp: 154753
Ion Ratio Lower Upper
62 100
98 8.5 8.0 12.0





#29

Cyclohexane

Concen: 54.961 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

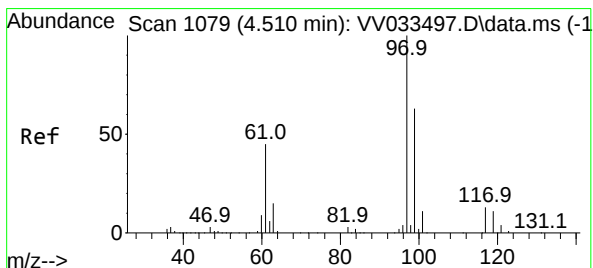
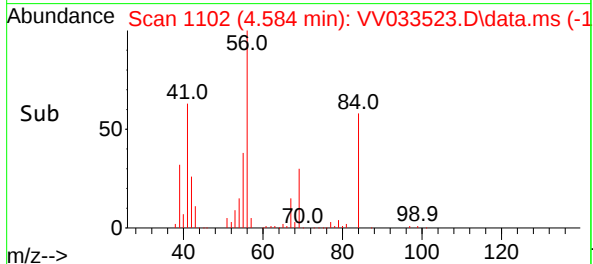
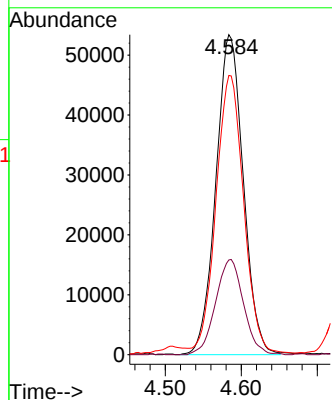
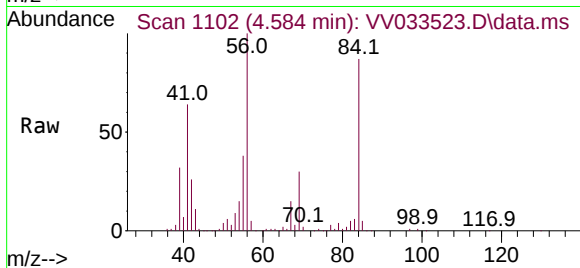
Tgt Ion: 56 Resp: 133737

Ion Ratio Lower Upper

56 100

69 30.2 25.8 38.6

84 87.5 75.2 112.8



#30

1,1,1-Trichloroethane

Concen: 50.267 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

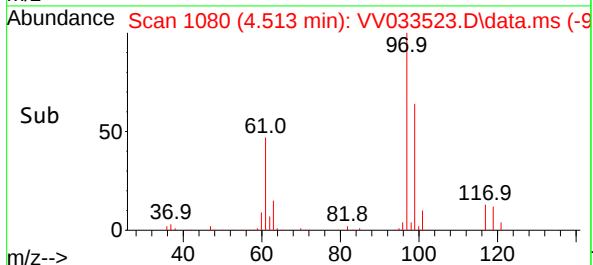
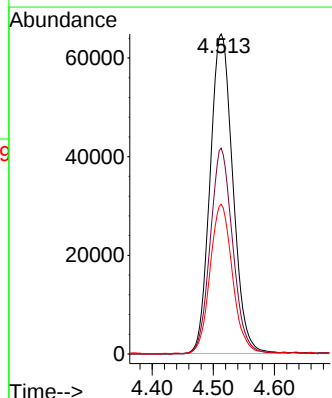
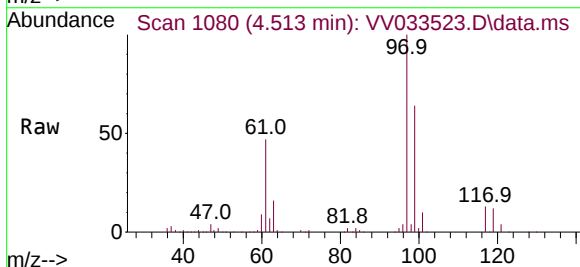
Tgt Ion: 97 Resp: 167556

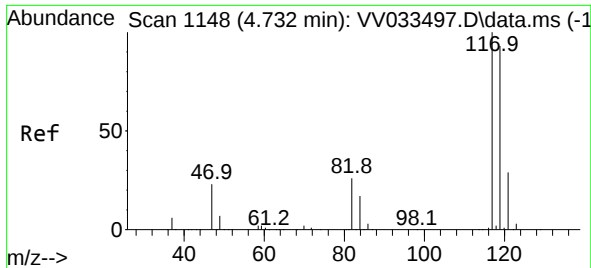
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

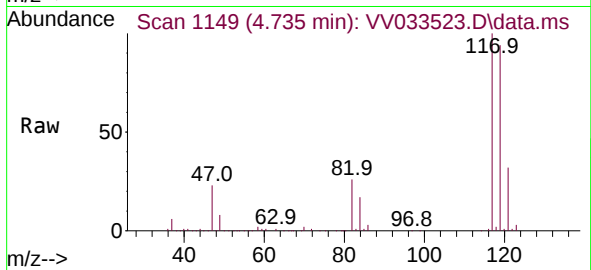
61 46.0 34.8 52.2



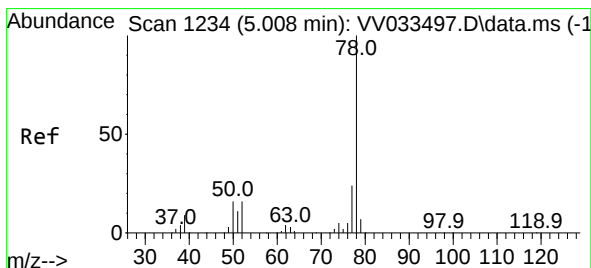
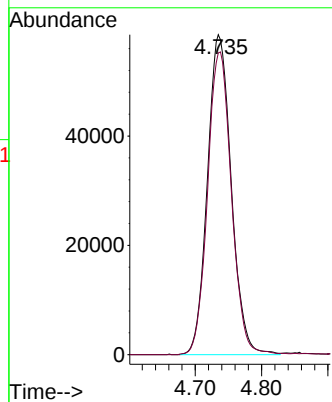
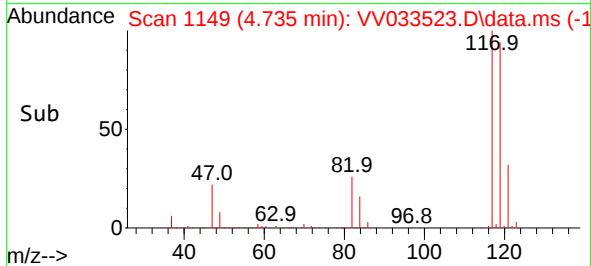


#31
Carbon tetrachloride
Concen: 49.041 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Instrument :
MSVOA_V
ClientSampleId :

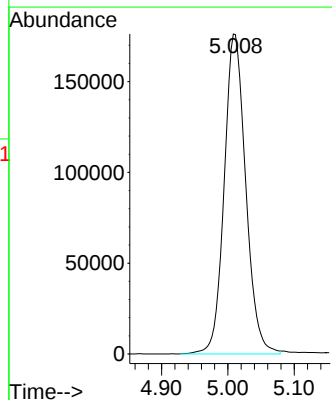
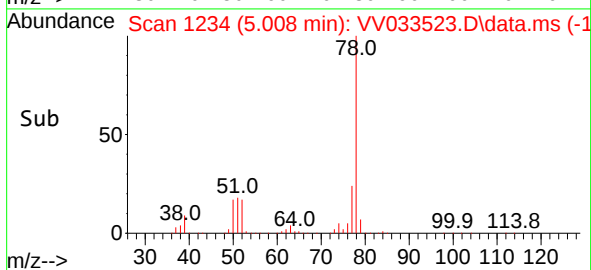
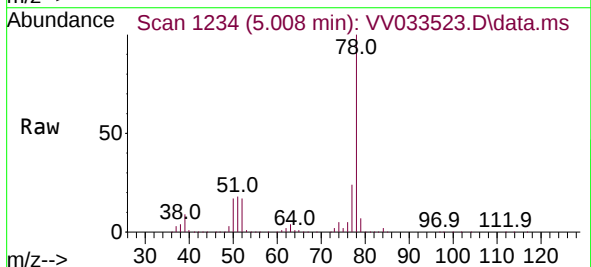


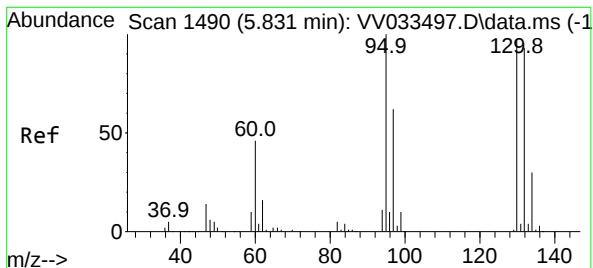
Tgt Ion:117 Resp: 146293
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.6



#33
Benzene
Concen: 55.319 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 78 Resp: 398074





#34

Trichloroethene

Concen: 50.965 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 100615

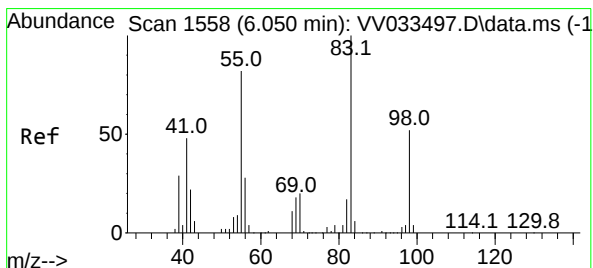
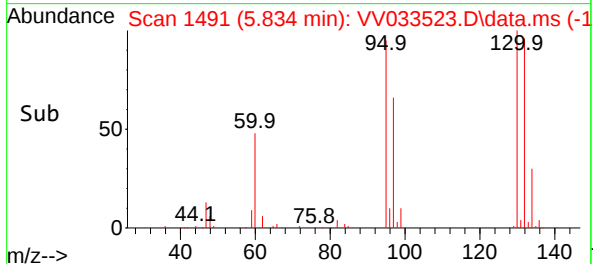
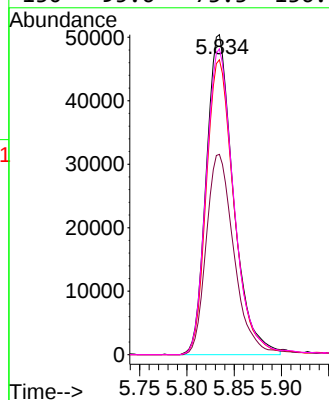
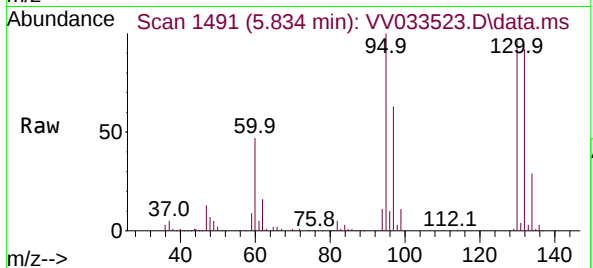
Ion Ratio Lower Upper

95 100

97 62.6 44.8 83.2

132 92.2 69.9 129.7

130 95.6 73.3 136.1



#35

Methylcyclohexane

Concen: 50.781 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

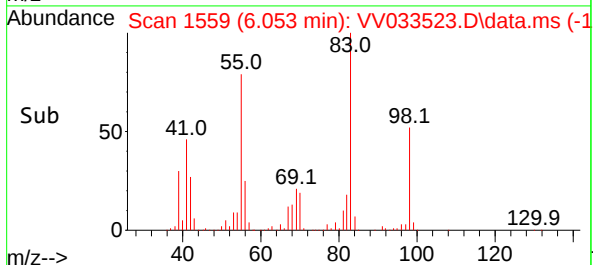
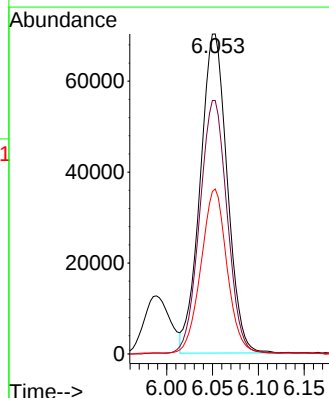
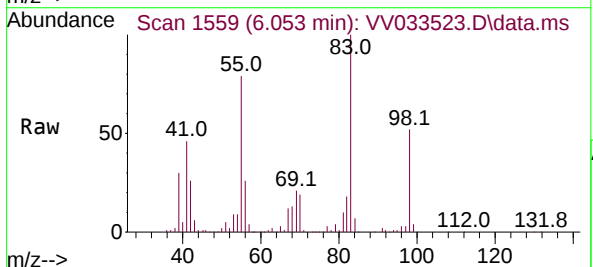
Tgt Ion: 83 Resp: 143790

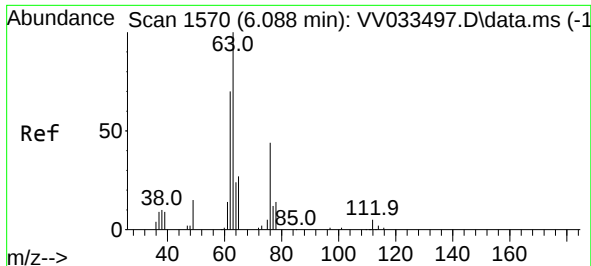
Ion Ratio Lower Upper

83 100

55 80.5 58.6 88.0

98 49.9 40.9 61.3





#37

1,2-Dichloropropane

Concen: 56.534 ug/L

RT: 6.092 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

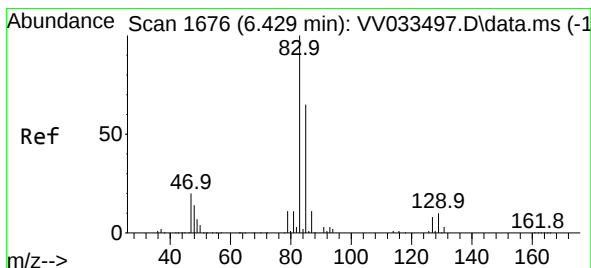
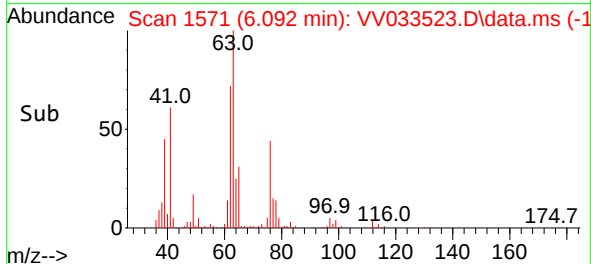
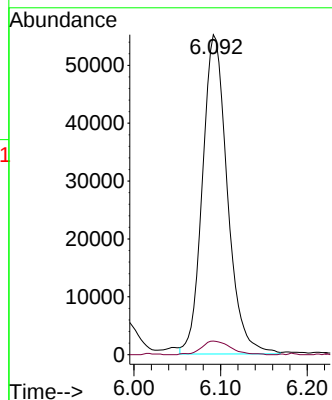
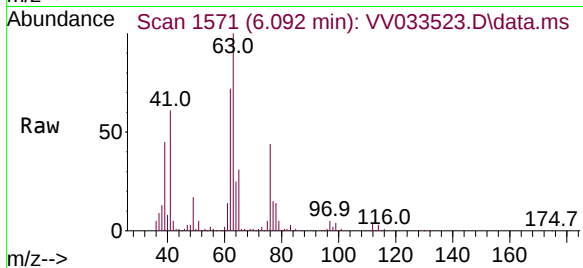
ClientSampleId :

Tgt Ion: 63 Resp: 110326

Ion Ratio Lower Upper

63 100

112 4.3 3.7 5.5



#38

Bromodichloromethane

Concen: 52.937 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

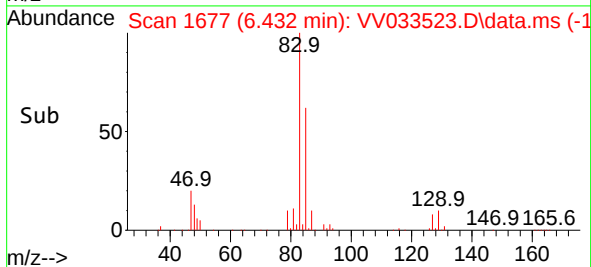
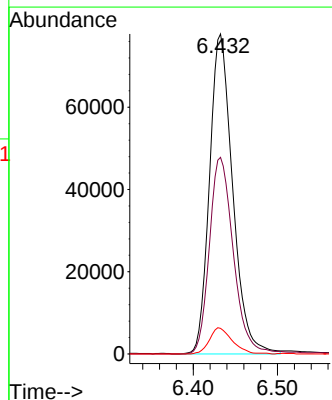
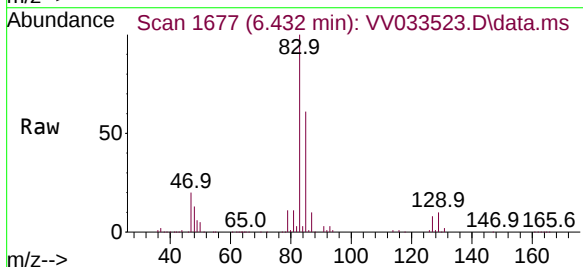
Tgt Ion: 83 Resp: 148686

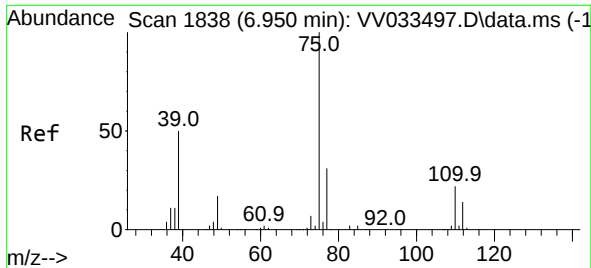
Ion Ratio Lower Upper

83 100

85 61.5 45.2 84.0

127 8.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 55.363 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

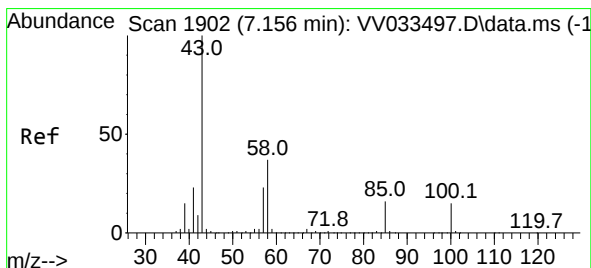
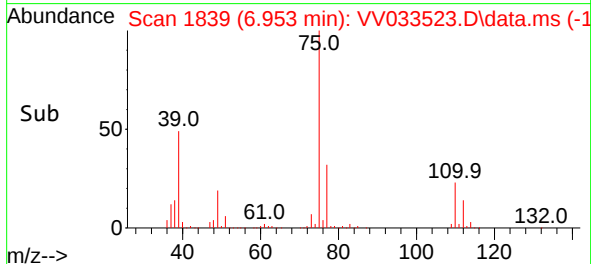
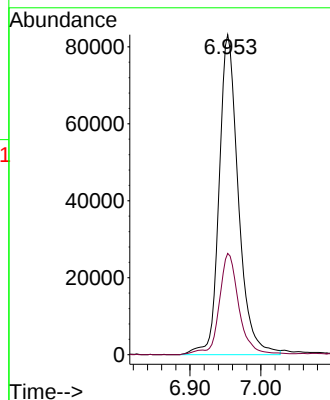
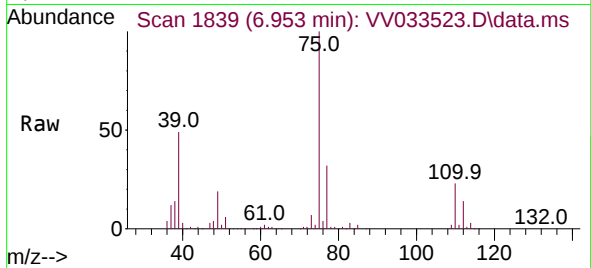
ClientSampleId :

Tgt Ion: 75 Resp: 157176

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 129.476 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

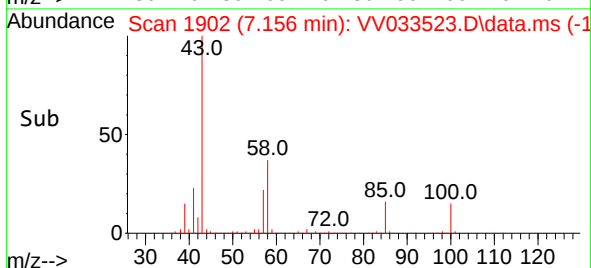
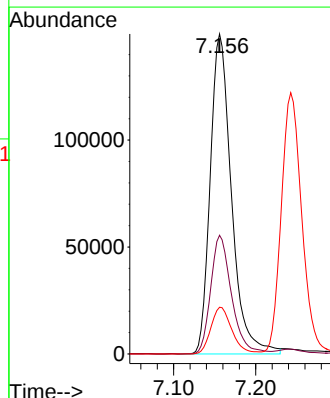
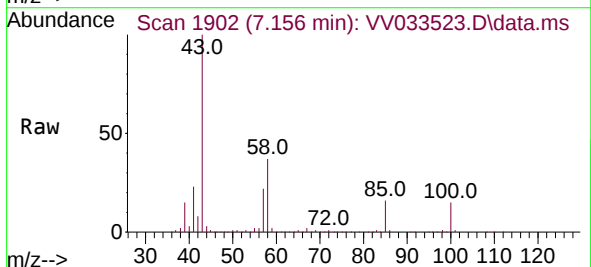
Tgt Ion: 43 Resp: 269642

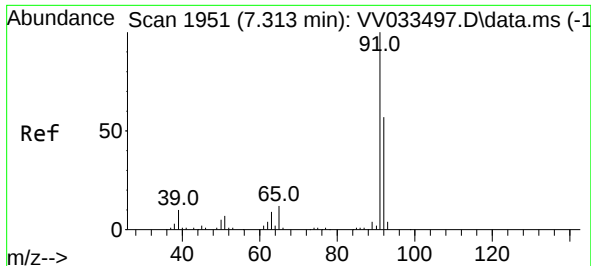
Ion Ratio Lower Upper

43 100

58 36.3 30.7 46.1

100 14.5 13.6 20.4





#42

Toluene

Concen: 54.959 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

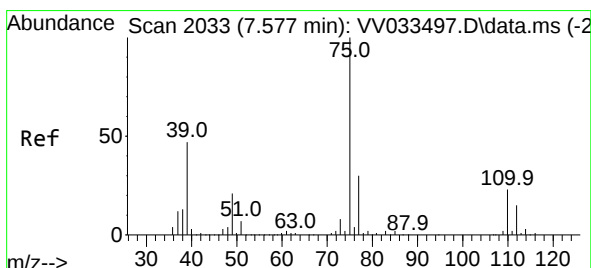
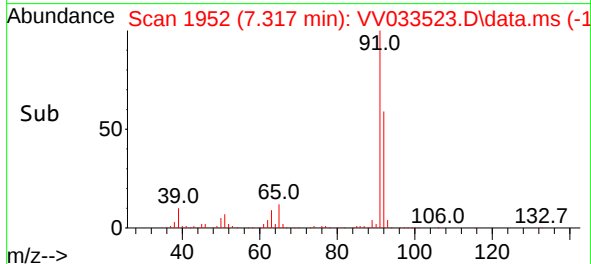
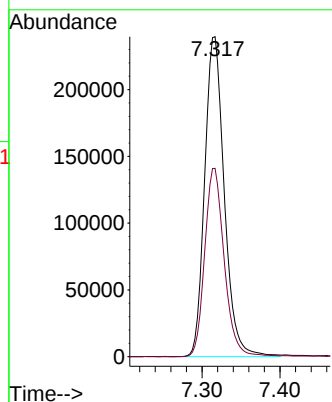
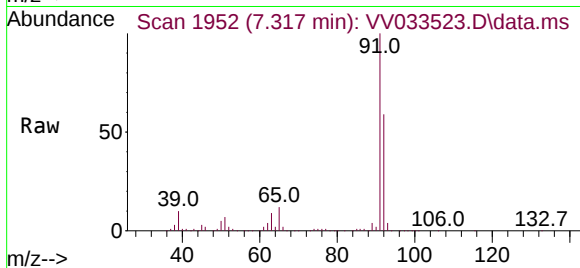
ClientSampleId :

Tgt Ion: 91 Resp: 419174

Ion Ratio Lower Upper

91 100

92 58.9 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 53.639 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033523.D

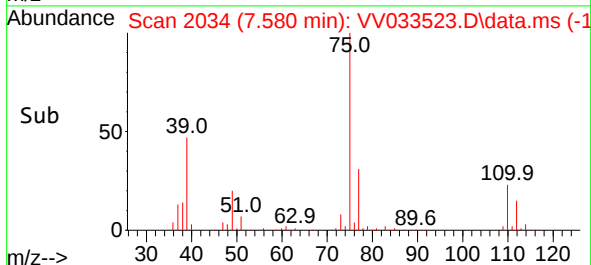
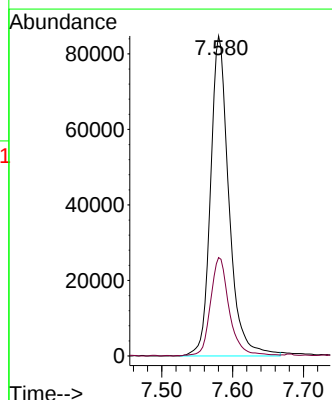
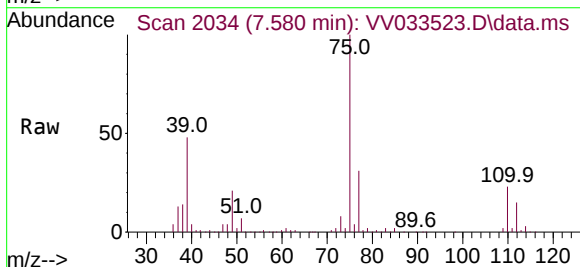
Acq: 20 Dec 2023 19:36

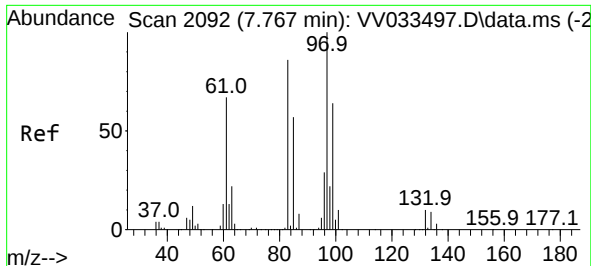
Tgt Ion: 75 Resp: 152811

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6

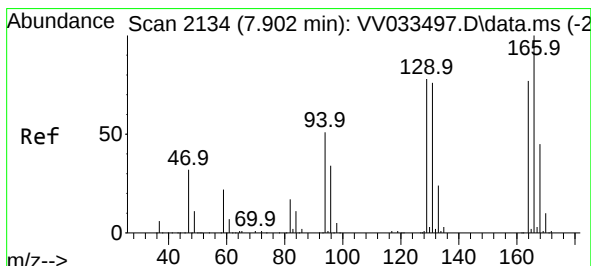
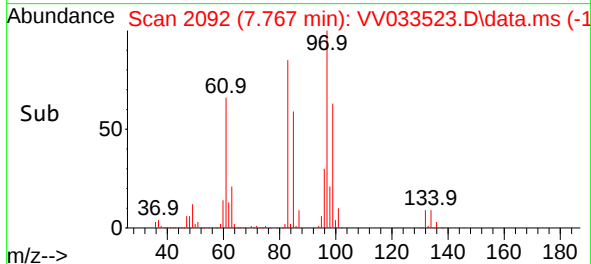
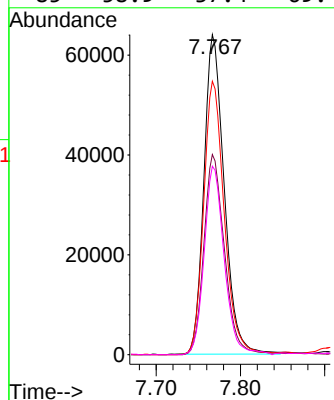
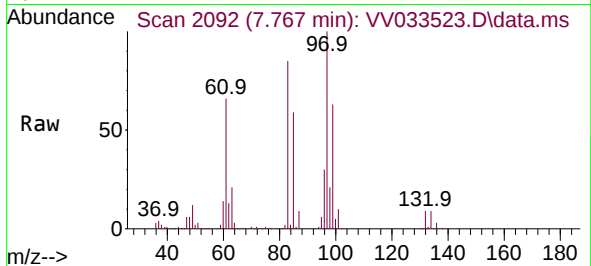




#45
1,1,2-Trichloroethane
Concen: 52.794 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

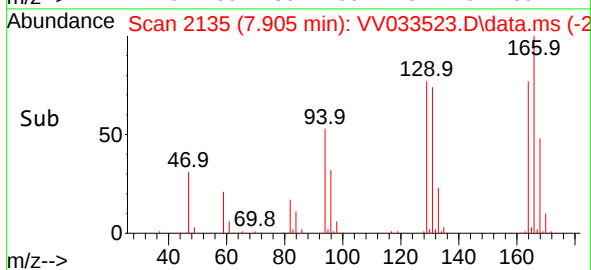
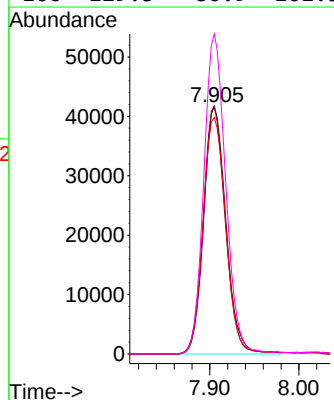
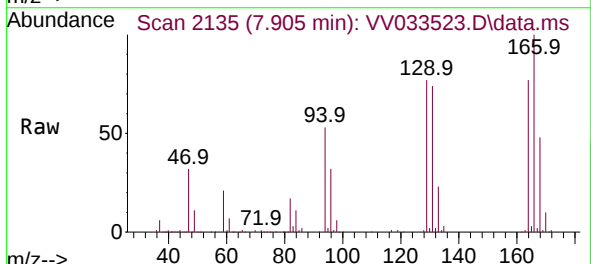
Instrument :
MSVOA_V
ClientSampleId :

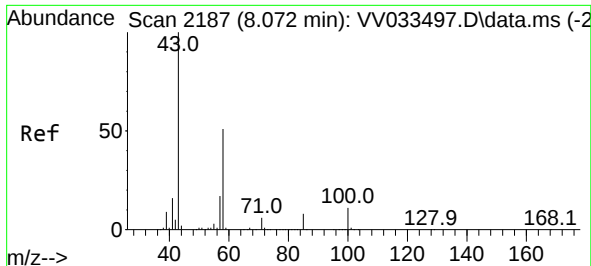
Tgt Ion: 97 Resp: 107384
Ion Ratio Lower Upper
97 100
99 62.6 43.5 80.7
83 85.5 61.0 113.4
85 58.9 37.4 69.4



#46
Tetrachloroethene
Concen: 46.852 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

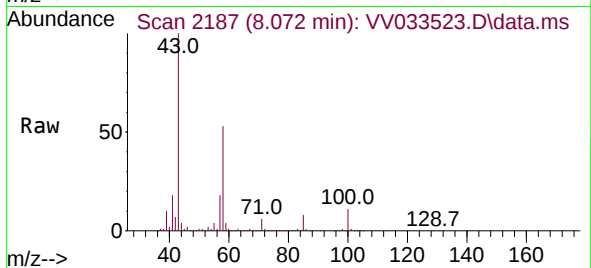
Tgt Ion:164 Resp: 72273
Ion Ratio Lower Upper
164 100
129 100.0 68.9 127.9
131 95.5 65.3 121.3
166 129.3 86.9 161.3



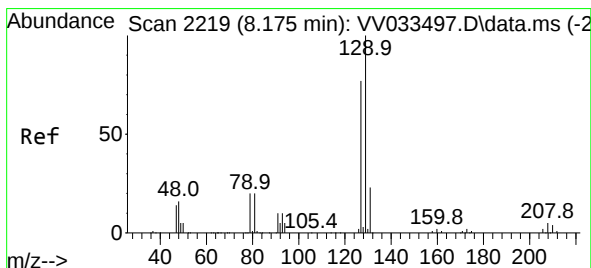
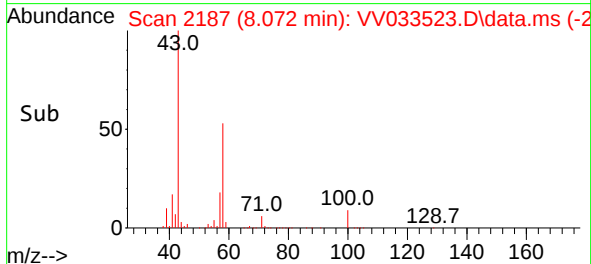
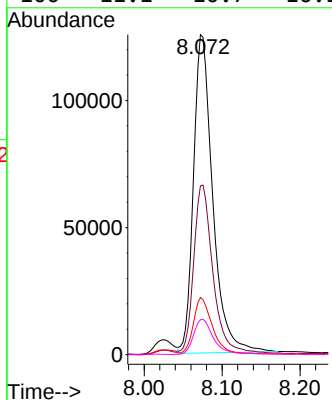


#48
2-Hexanone
Concen: 124.045 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Instrument :
MSVOA_V
ClientSampleId :

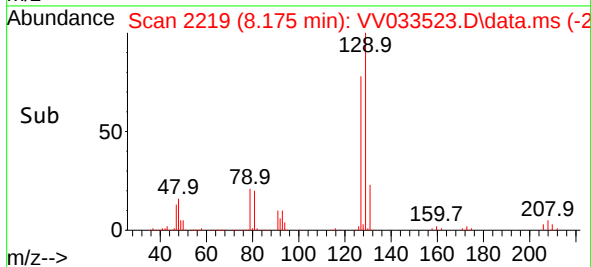
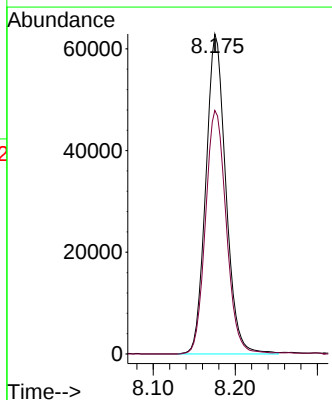
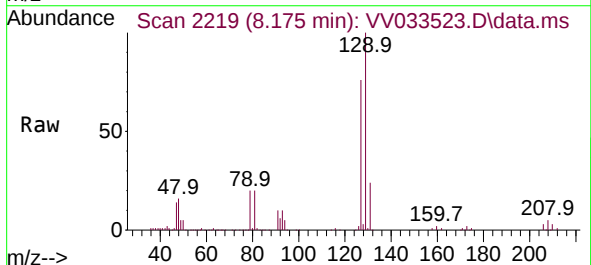


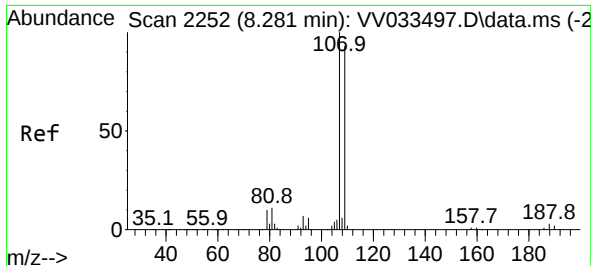
Tgt Ion: 43 Resp: 215463
Ion Ratio Lower Upper
43 100
58 53.1 43.0 64.6
57 16.7 14.7 22.1
100 11.1 10.7 16.1



#49
Dibromochloromethane
Concen: 49.649 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 129 Resp: 106785
Ion Ratio Lower Upper
129 100
127 76.1 53.3 98.9





#50

1,2-Dibromoethane

Concen: 52.095 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

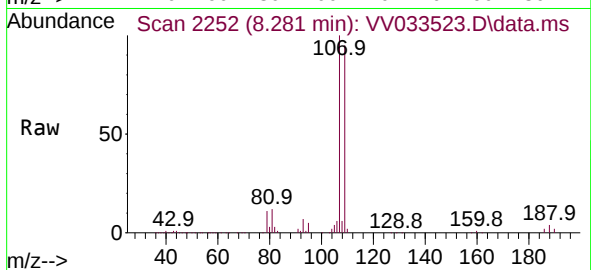
Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :



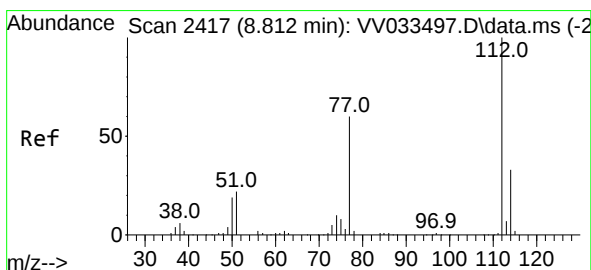
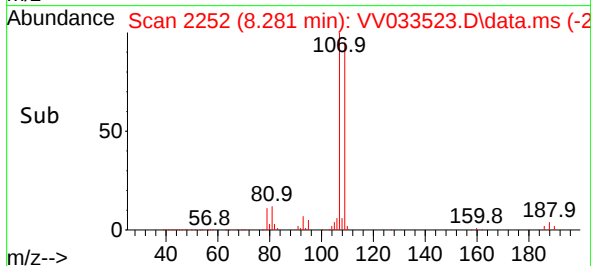
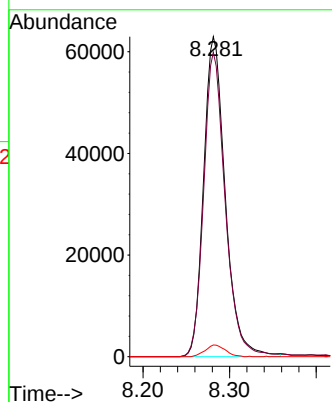
Tgt Ion:107 Resp: 109227

Ion Ratio Lower Upper

107 100

109 95.1 64.2 119.2

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 50.477 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

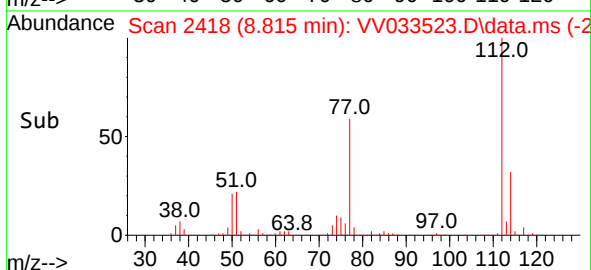
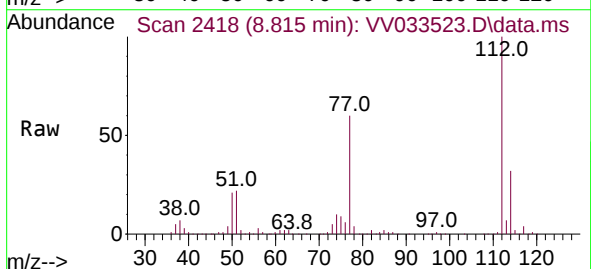
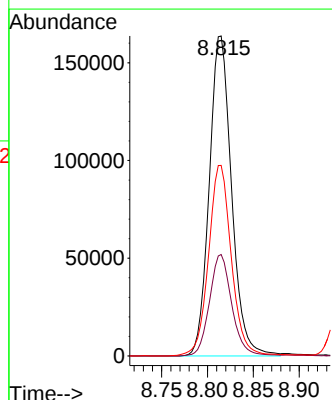
Tgt Ion:112 Resp: 277450

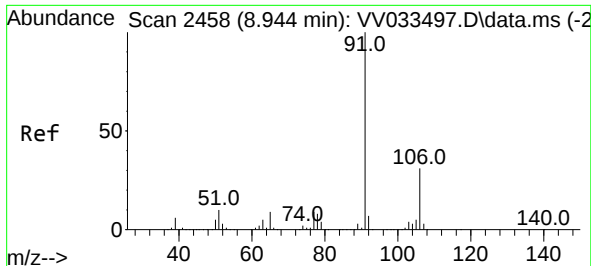
Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.7

77 59.5 45.2 67.8





#52

Ethylbenzene

Concen: 53.872 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

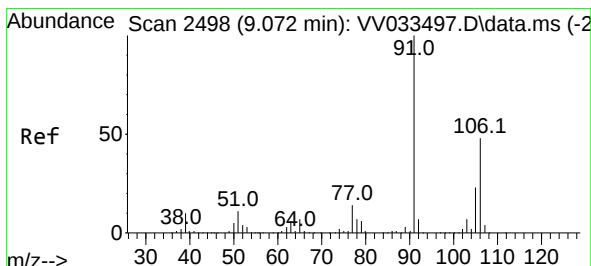
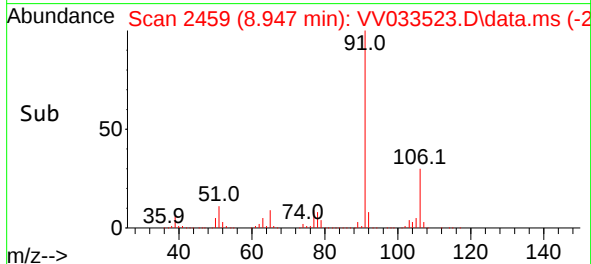
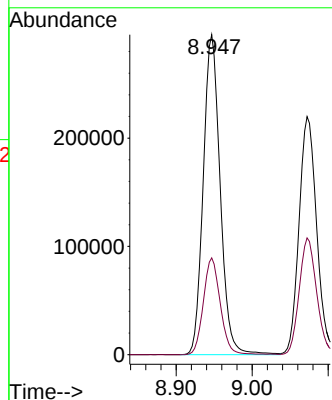
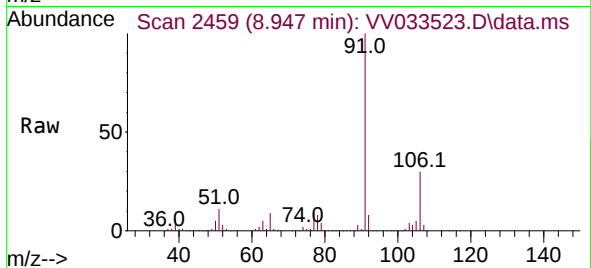
ClientSampleId :

Tgt Ion: 91 Resp: 457586

Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.2



#53

m,p-Xylene

Concen: 53.724 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV033523.D

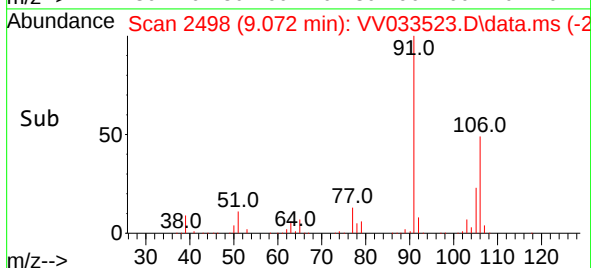
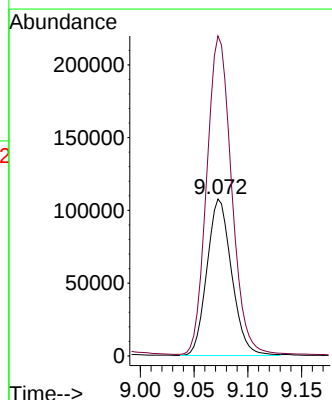
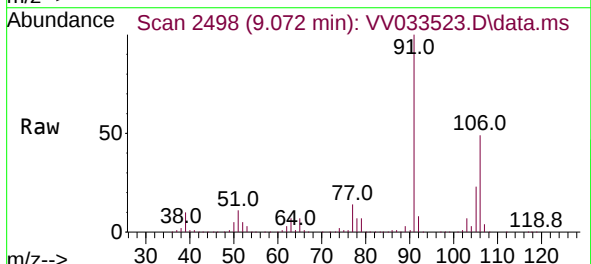
Acq: 20 Dec 2023 19:36

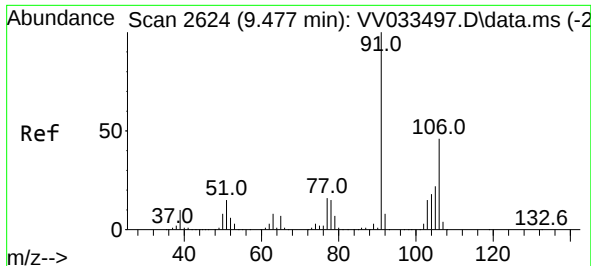
Tgt Ion:106 Resp: 171447

Ion Ratio Lower Upper

106 100

91 203.8 143.0 265.6

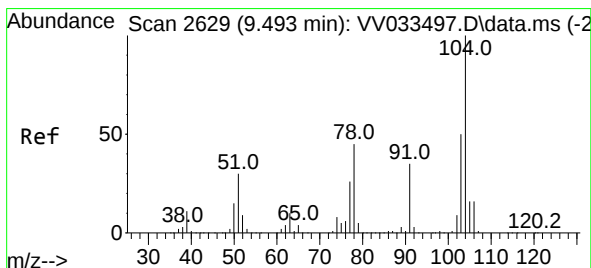
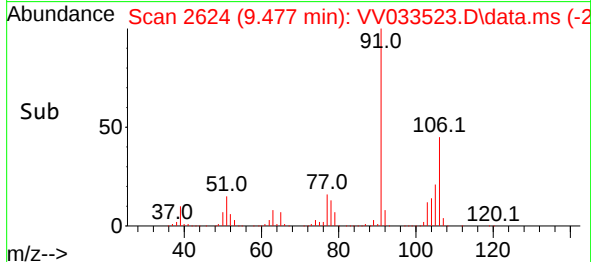
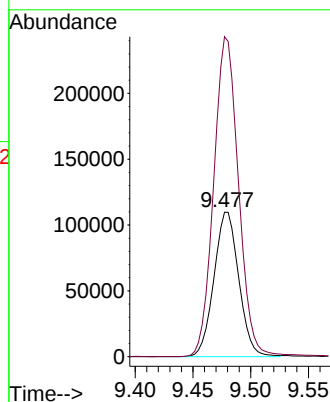
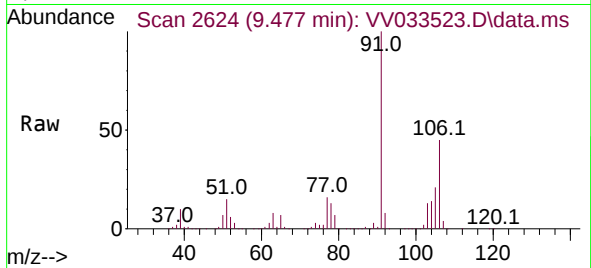




#54
o-Xylene
Concen: 52.975 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

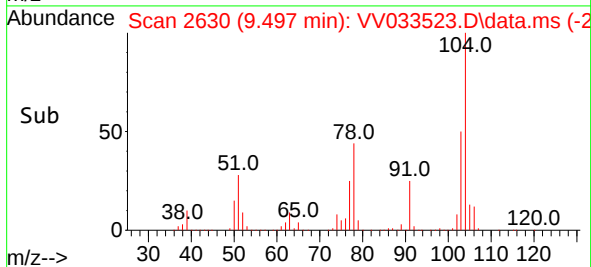
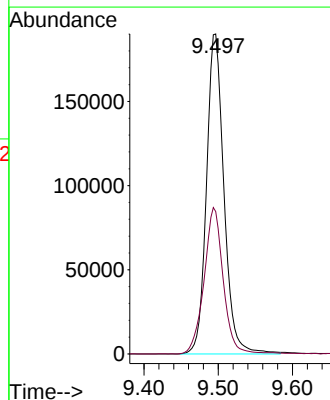
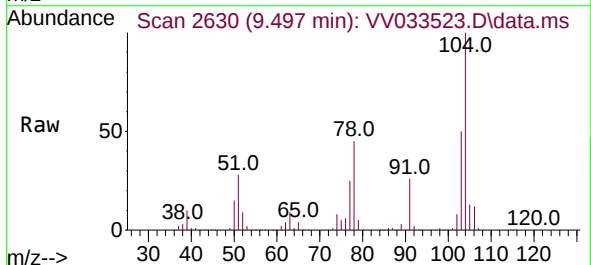
Instrument :
MSVOA_V
ClientSampleId :

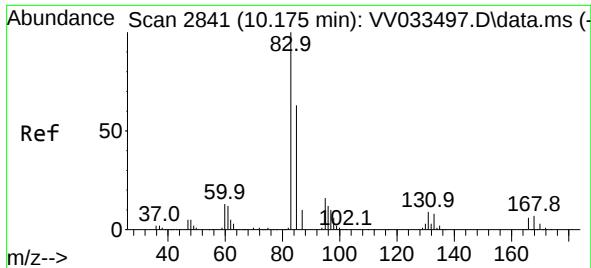
Tgt Ion:106 Resp: 164156
Ion Ratio Lower Upper
106 100
91 221.4 149.7 278.1



#55
Styrene
Concen: 56.726 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion:104 Resp: 310219
Ion Ratio Lower Upper
104 100
78 44.5 30.2 56.2

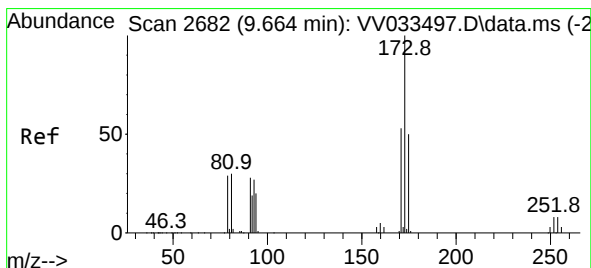
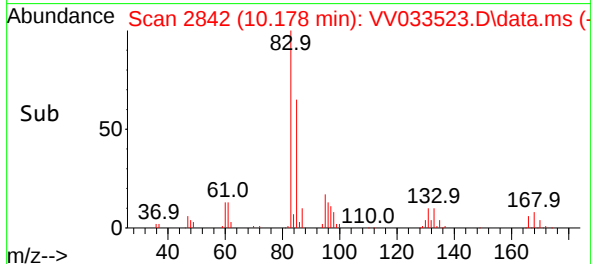
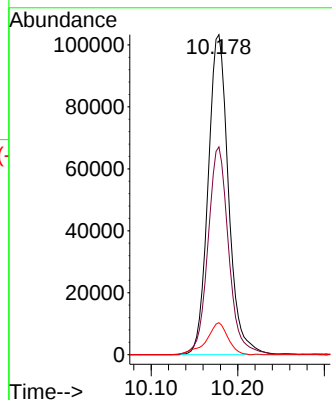
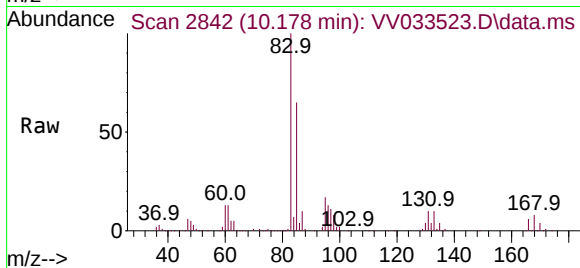




#57
1,1,2,2-Tetrachloroethane
Concen: 54.040 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

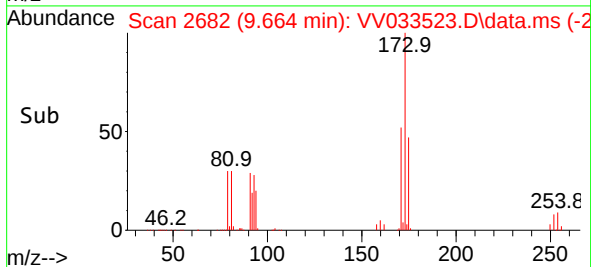
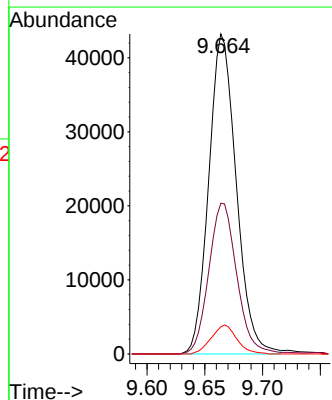
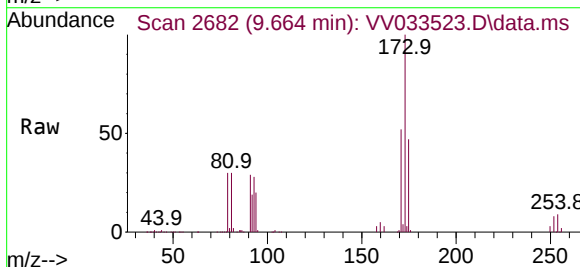
Instrument :
MSVOA_V
ClientSampleId :

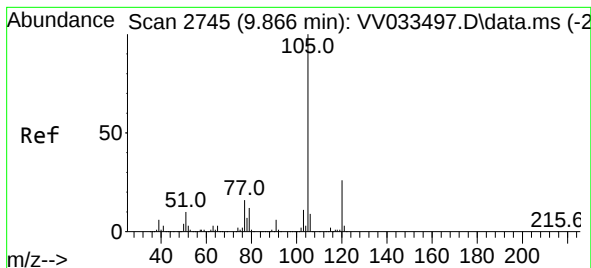
Tgt Ion: 83 Resp: 168816
Ion Ratio Lower Upper
83 100
85 65.0 44.8 83.2
131 10.0 8.6 12.8



#59
Bromoform
Concen: 47.540 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033523.D
Acq: 20 Dec 2023 19:36

Tgt Ion: 173 Resp: 71379
Ion Ratio Lower Upper
173 100
175 48.0 38.8 58.2
254 8.4 5.8 8.8





#60

Isopropylbenzene

Concen: 54.431 ug/L

RT: 9.866 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

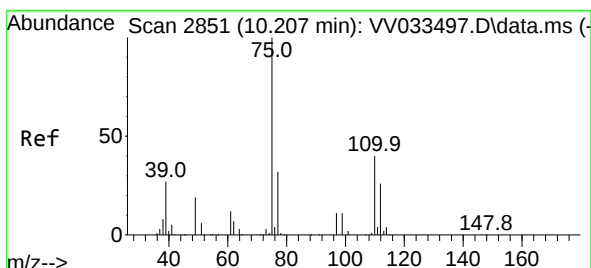
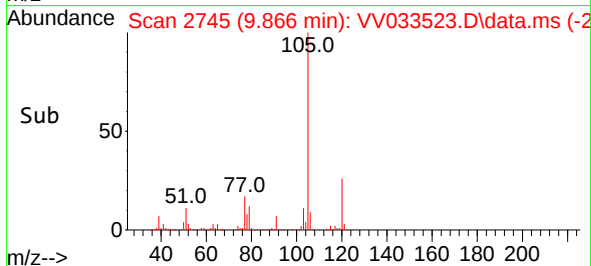
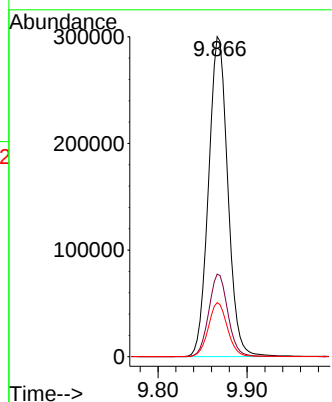
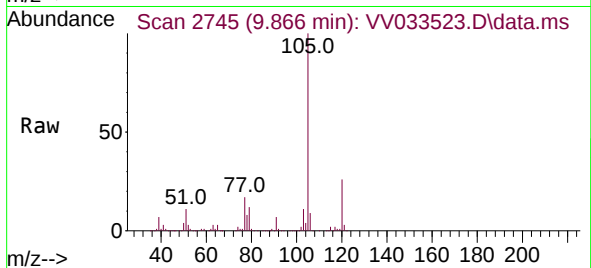
Tgt Ion:105 Resp: 449836

Ion Ratio Lower Upper

105 100

120 25.7 21.2 31.8

77 16.8 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 56.053 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

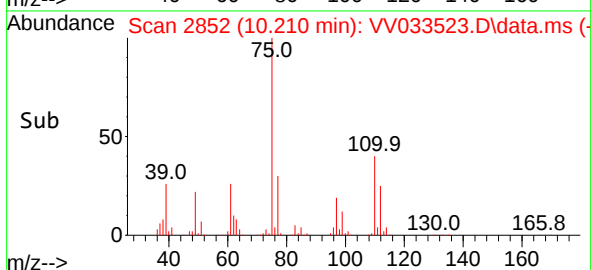
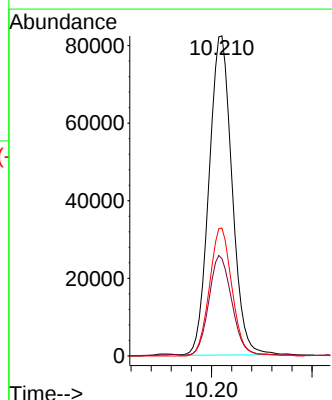
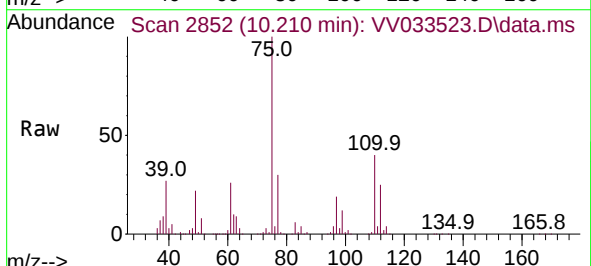
Tgt Ion: 75 Resp: 130749

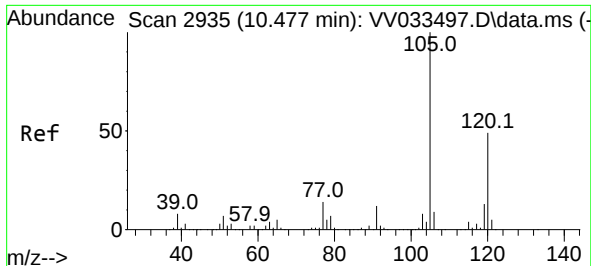
Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

110 39.4 33.9 50.9





#62

1,3,5-Trimethylbenzene

Concen: 54.416 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

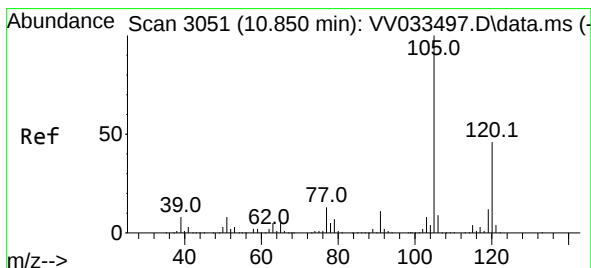
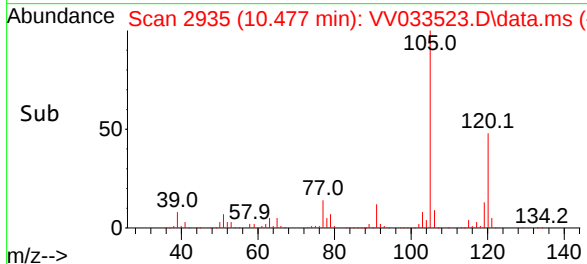
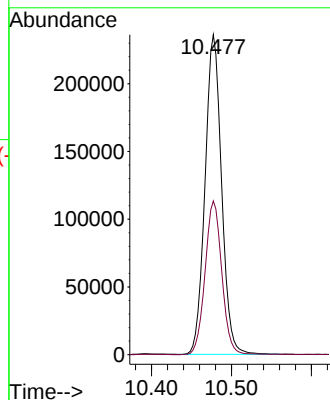
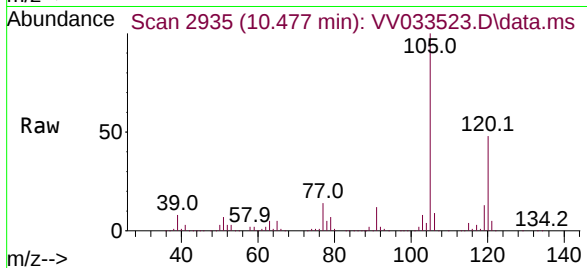
ClientSampleId :

Tgt Ion:105 Resp: 340835

Ion Ratio Lower Upper

105 100

120 48.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 55.292 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033523.D

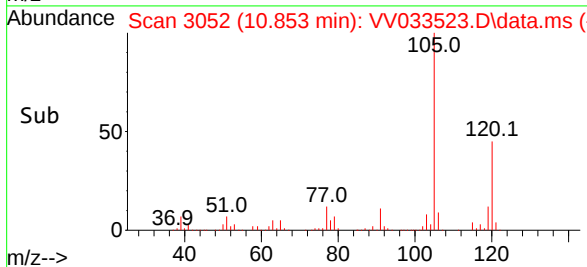
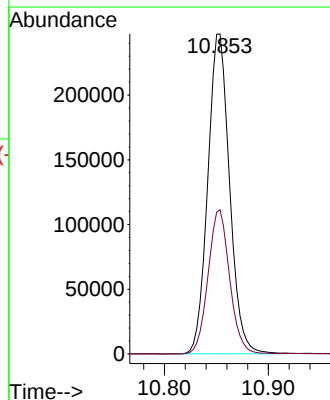
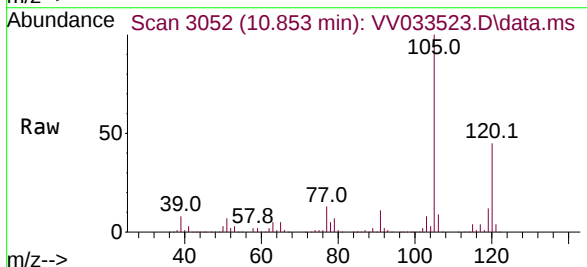
Acq: 20 Dec 2023 19:36

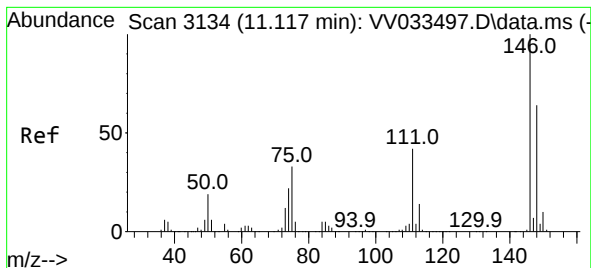
Tgt Ion:105 Resp: 359680

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 50.496 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

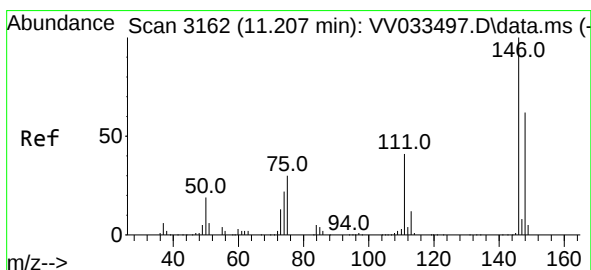
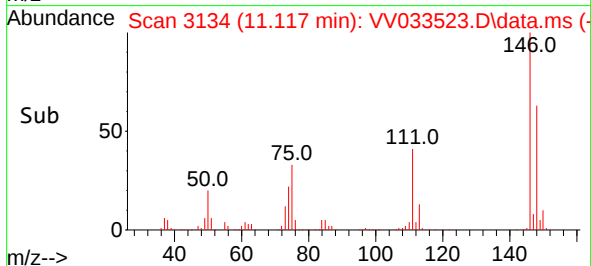
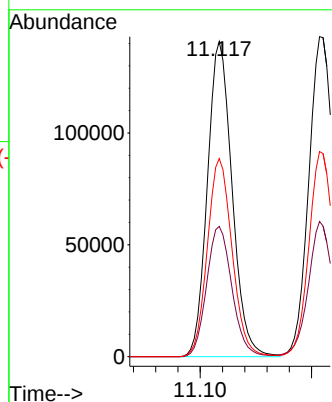
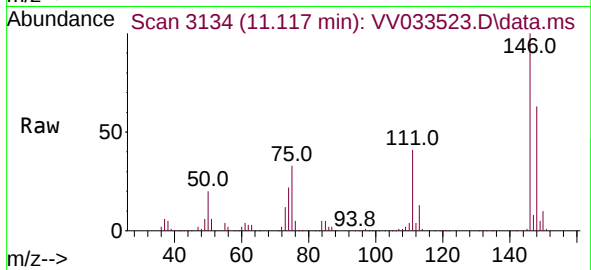
Tgt Ion:146 Resp: 216896

Ion Ratio Lower Upper

146 100

111 41.3 29.3 54.5

148 62.9 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 49.573 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

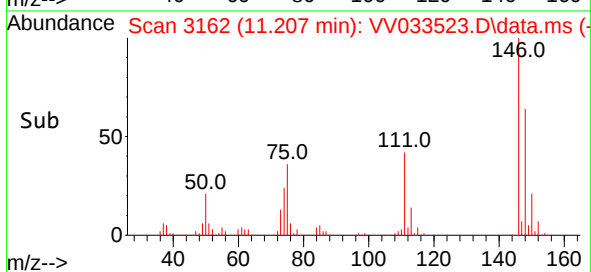
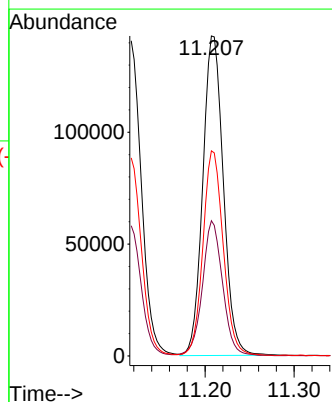
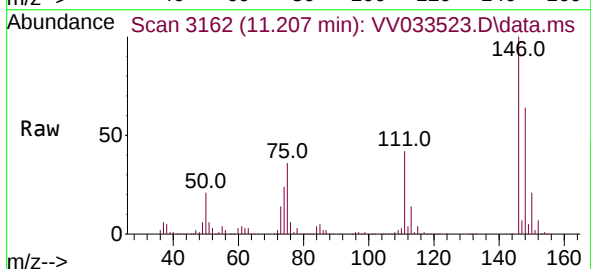
Tgt Ion:146 Resp: 229167

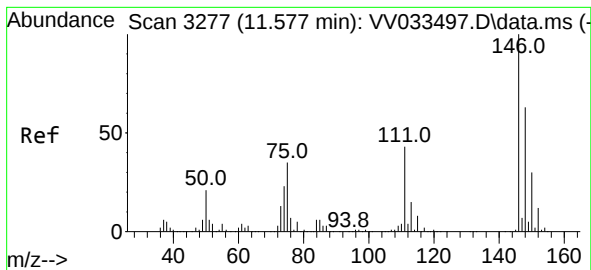
Ion Ratio Lower Upper

146 100

111 42.2 27.9 51.7

148 64.1 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 50.706 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

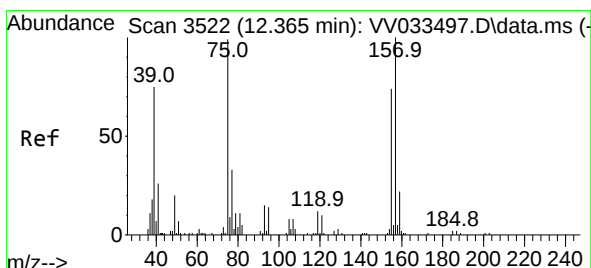
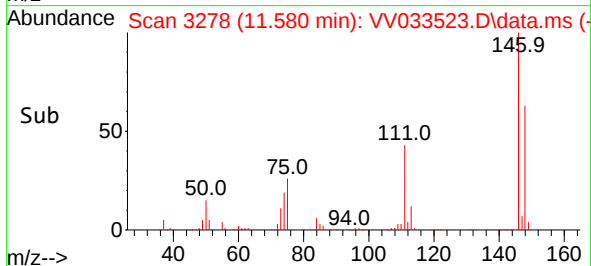
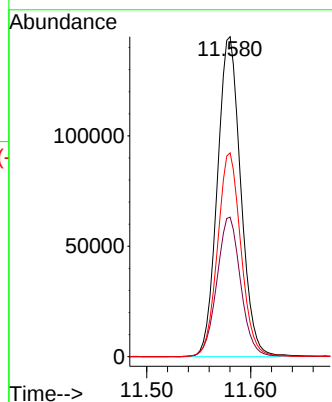
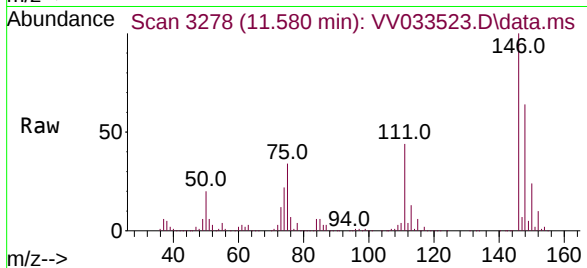
Tgt Ion:146 Resp: 226691

Ion Ratio Lower Upper

146 100

111 43.6 33.5 50.3

148 63.7 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 51.897 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

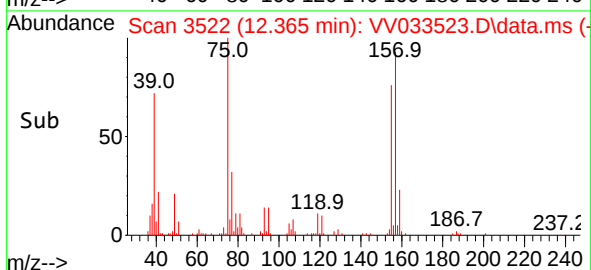
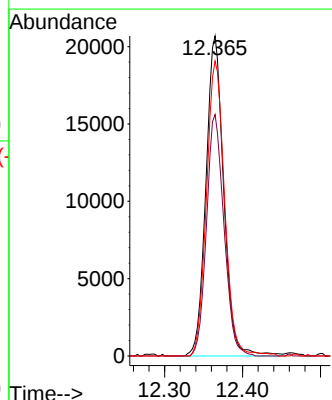
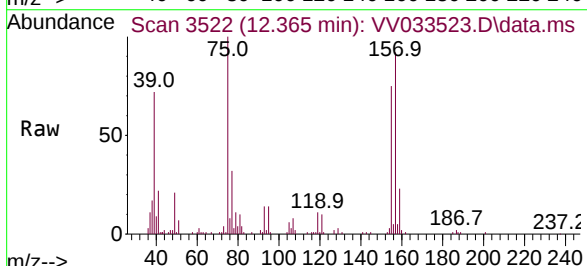
Tgt Ion: 75 Resp: 32792

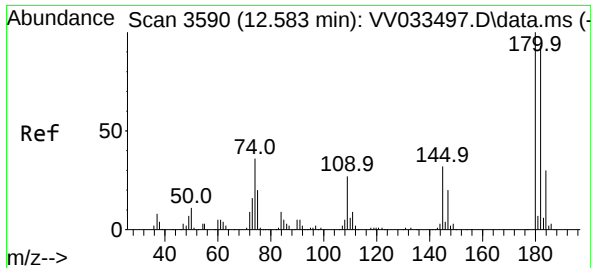
Ion Ratio Lower Upper

75 100

155 75.4 69.4 104.0

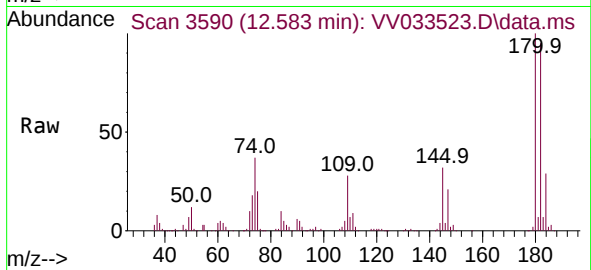
157 92.2 81.1 121.7



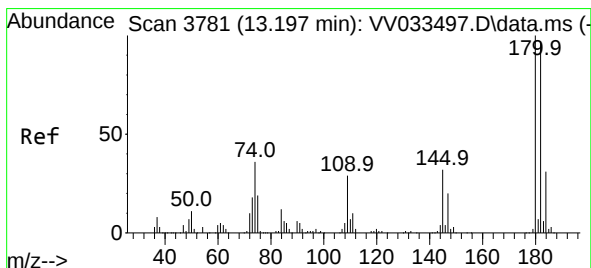
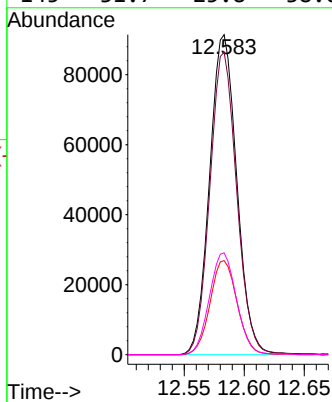
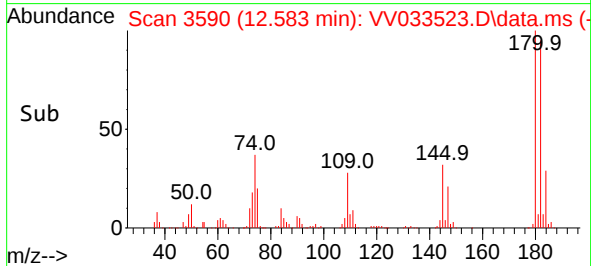


#69
 1,3,5-Trichlorobenzene
 Concen: 48.446 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.000 min
 Lab File: VV033523.D
 Acq: 20 Dec 2023 19:36

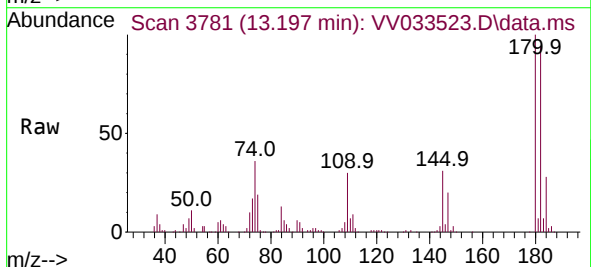
Instrument :
 MSVOA_V
 ClientSampleId :



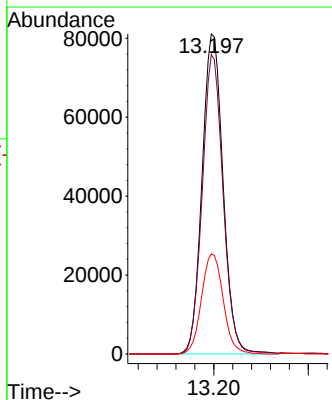
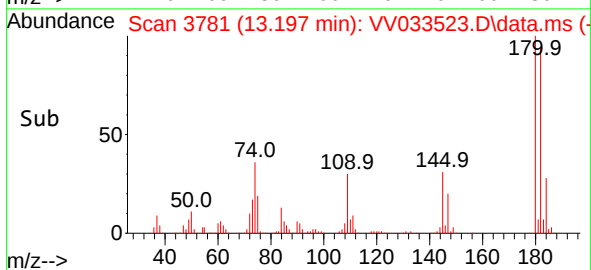
Tgt Ion:180 Resp: 143909
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.2 114.4
 184 29.4 24.4 36.6
 145 31.7 25.8 38.6

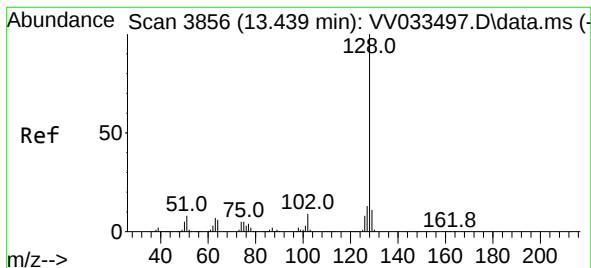


#70
 1,2,4-trichlorobenzene
 Concen: 48.204 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. -0.000 min
 Lab File: VV033523.D
 Acq: 20 Dec 2023 19:36



Tgt Ion:180 Resp: 125167
 Ion Ratio Lower Upper
 180 100
 182 92.7 76.1 114.1
 145 32.3 25.6 38.4





#71

Naphthalene

Concen: 44.959 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Instrument :

MSVOA_V

ClientSampleId :

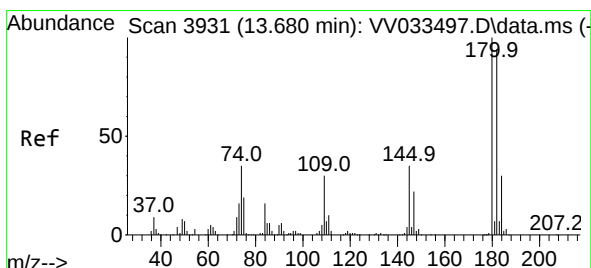
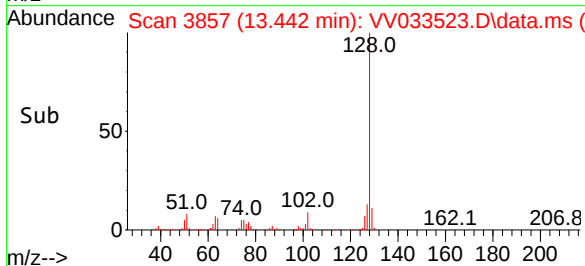
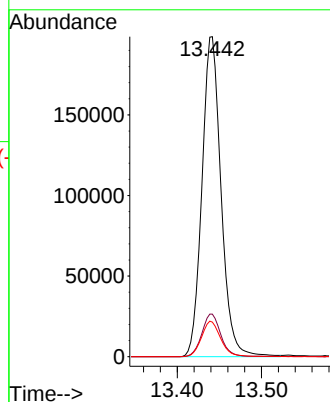
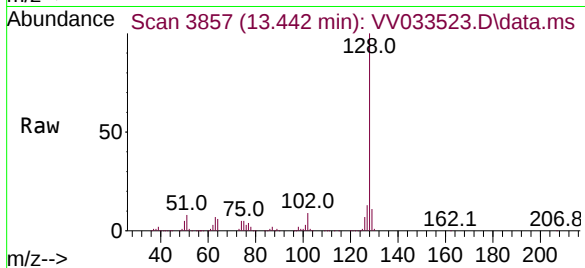
Tgt Ion:128 Resp: 314099

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.887 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033523.D

Acq: 20 Dec 2023 19:36

Tgt Ion:180 Resp: 129244

Ion Ratio Lower Upper

180 100

182 93.6 76.2 114.2

145 34.8 27.1 40.7

