

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VW033078.D
 Acq On : 01 Dec 2023 14:57
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 04 04:17:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 04:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	340428	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	333833	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	200168	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	105372	51.778	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.560%	
7) Chloroethane-d5	1.529	69	72645	51.232	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 102.460%	
11) 1,1-Dichloroethene-d2	2.060	65	39325	50.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.580%	
21) 2-Butanone-d5	3.780	46	105575	104.449	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 104.450%	
24) Chloroform-d	4.246	84	221677	51.328	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.660%	
26) 1,2-Dichloroethane-d4	4.941	65	141004	52.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.020%	
32) Benzene-d6	4.960	84	419776	53.765	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.540%	
36) 1,2-Dichloropropane-d6	5.989	67	112397	53.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 107.080%	
41) Toluene-d8	7.243	98	406092	54.524	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 109.040%	
43) trans-1,3-Dichloroprop...	7.551	79	69119	52.068	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.140%	
47) 2-Hexanone-d5	8.021	63	92432	109.601	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 109.600%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	156590	52.473	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 104.940%	
66) 1,2-Dichlorobenzene-d4	11.561	152	190134	53.387	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 106.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	181773	48.849	ug/L	100
3) Chloromethane	1.214	50	118656	48.347	ug/L	99
5) Vinyl chloride	1.285	62	113866	48.377	ug/L	98
6) Bromomethane	1.484	94	75477	49.143	ug/L	97
8) Chloroethane	1.548	64	60618	48.373	ug/L	99
9) Trichlorofluoromethane	1.712	101	191346	49.266	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	90779	49.773	ug/L	98
12) 1,1-Dichloroethene	2.069	96	85053	49.834	ug/L	92
13) Acetone	2.108	43	85617	88.727	ug/L	100
14) Carbon disulfide	2.243	76	305595	49.907	ug/L	100
15) Methyl Acetate	2.368	43	79808	49.623	ug/L	98
16) Methylene chloride	2.446	84	109983	48.665	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	112062	50.008	ug/L	98
18) Methyl tert-butyl Ether	2.700	73	342710	50.344	ug/L	99
19) 1,1-Dichloroethane	3.111	63	181661	48.980	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	120455	50.660	ug/L	98
22) 2-Butanone	3.860	43	116177	94.607	ug/L	100
23) Bromochloromethane	4.146	128	66260	48.532	ug/L	97
25) Chloroform	4.275	83	211547	49.595	ug/L	98

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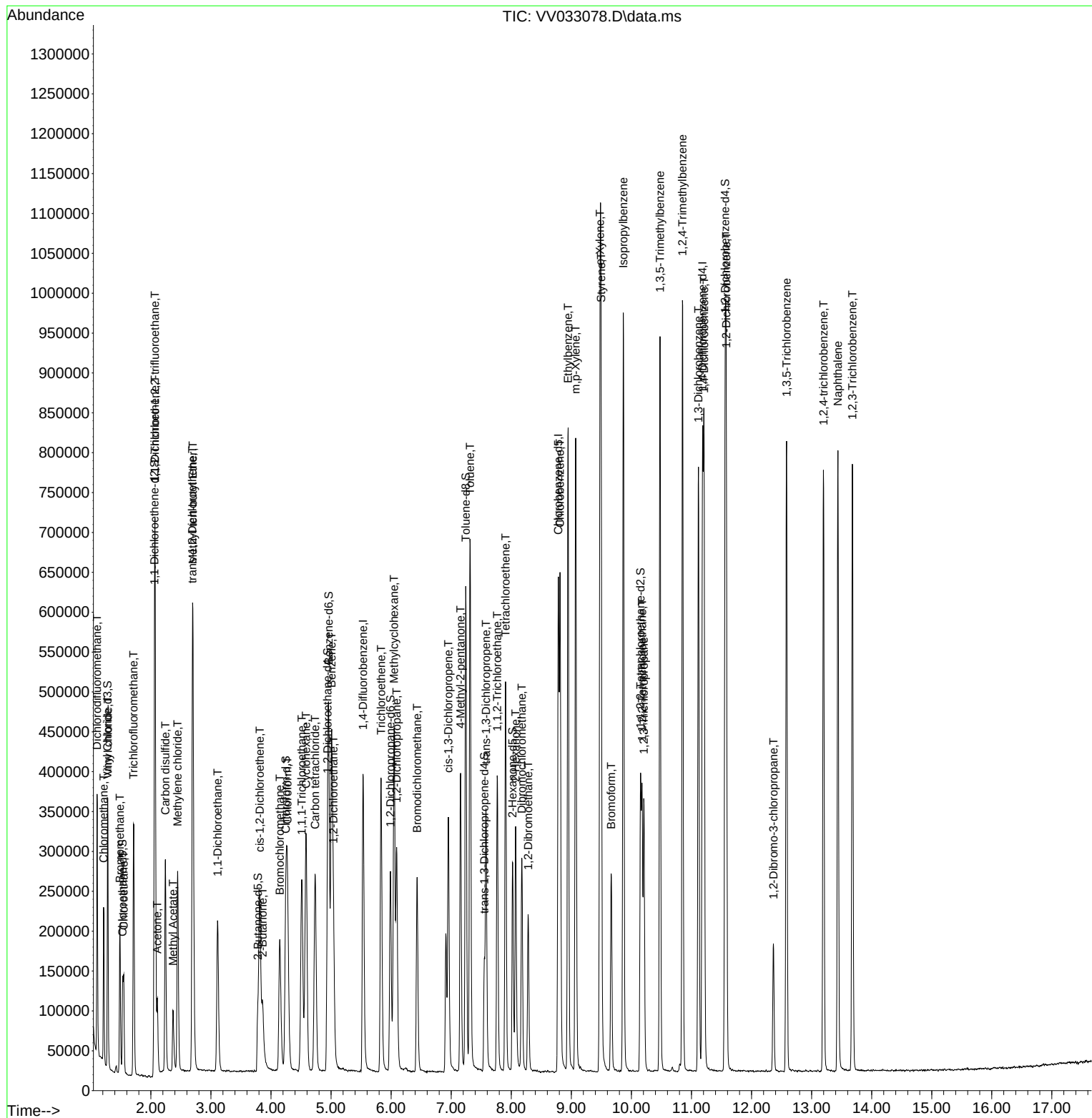
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	168253	49.917	ug/L	98
29) Cyclohexane	4.584	56	159912	51.862	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	208354	50.501	ug/L	99
31) Carbon tetrachloride	4.735	117	193987	50.568	ug/L	100
33) Benzene	5.008	78	432496	51.125	ug/L	100
34) Trichloroethene	5.834	95	127316	50.376	ug/L	94
35) Methylcyclohexane	6.050	83	192199	52.399	ug/L	100
37) 1,2-Dichloropropane	6.092	63	99940	51.047	ug/L	99
38) Bromodichloromethane	6.432	83	159178	50.432	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	189017	53.205	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	220782	106.210	ug/L	100
42) Toluene	7.313	91	492898	51.705	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	183822	51.171	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	114480	50.431	ug/L	98
46) Tetrachloroethene	7.905	164	109275	50.297	ug/L	98
48) 2-Hexanone	8.072	43	169735	98.484	ug/L	99
49) Dibromochloromethane	8.175	129	140053	51.682	ug/L	100
50) 1,2-Dibromoethane	8.281	107	122801	50.740	ug/L	95
51) Chlorobenzene	8.812	112	338028	50.425	ug/L	99
52) Ethylbenzene	8.947	91	567144	51.687	ug/L	99
53) m,p-Xylene	9.072	106	223005	51.320	ug/L	99
54) o-Xylene	9.477	106	217320	50.682	ug/L	100
55) Styrene	9.497	104	390245	52.610	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	153129	49.373	ug/L	100
59) Bromoform	9.664	173	111813	51.468	ug/L	100
60) Isopropylbenzene	9.866	105	605889	52.496	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	126969	50.870	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	486121	52.277	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	513480	53.022	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	312269	50.644	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	317253	49.531	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	306979	50.783	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	38173	49.843	ug/L	99
69) 1,3,5-Trichlorobenzene	12.583	180	244599	49.524	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	233423	51.154	ug/L	99
71) Naphthalene	13.439	128	600380	53.951	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	231980	52.686	ug/L	98

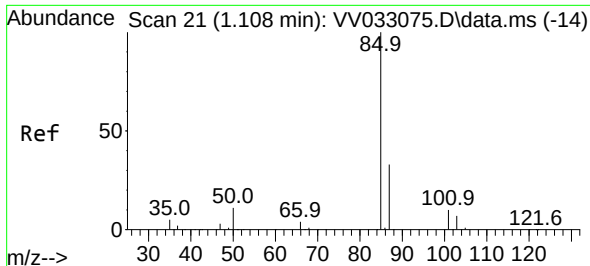
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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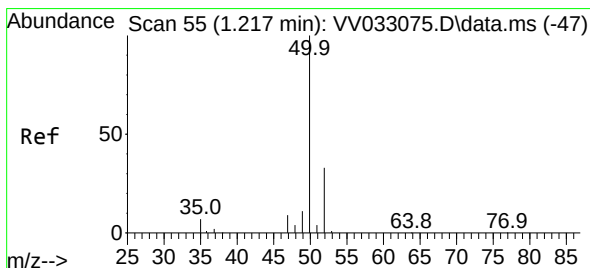
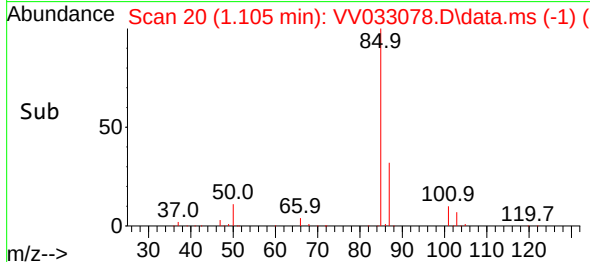
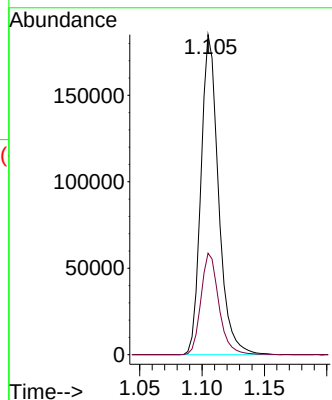
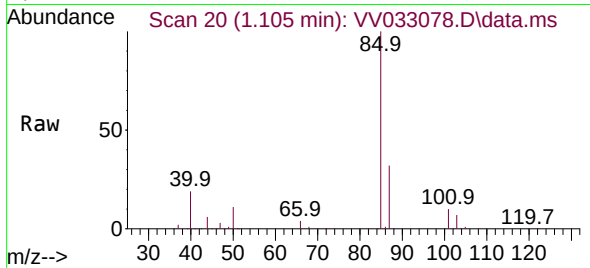




#2
 Dichlorodifluoromethane
 Concen: 48.849 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033078.D
 Acq: 01 Dec 2023 14:57

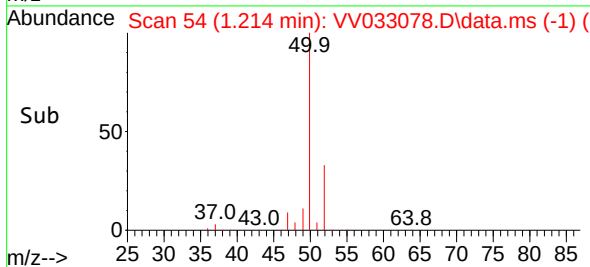
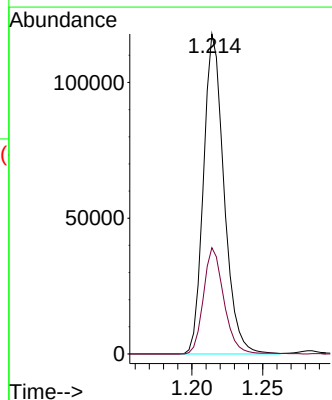
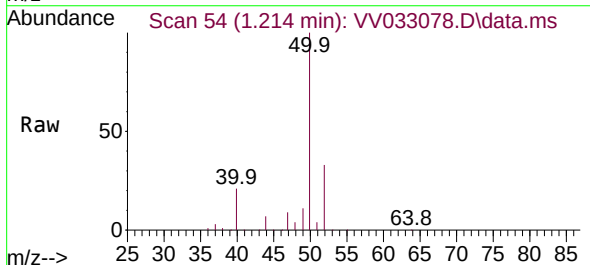
Instrument :
 MSVOA_V
 ClientSampleId :

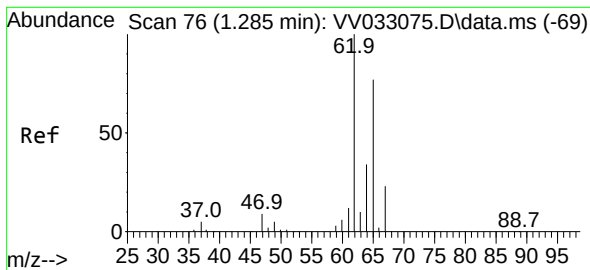
Tgt Ion: 85 Resp: 181773
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 48.347 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033078.D
 Acq: 01 Dec 2023 14:57

Tgt Ion: 50 Resp: 118656
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.8 42.4





#5

Vinyl chloride

Concen: 48.377 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

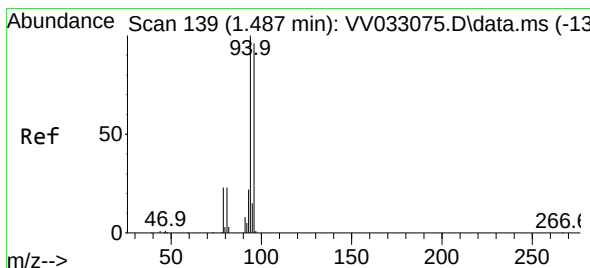
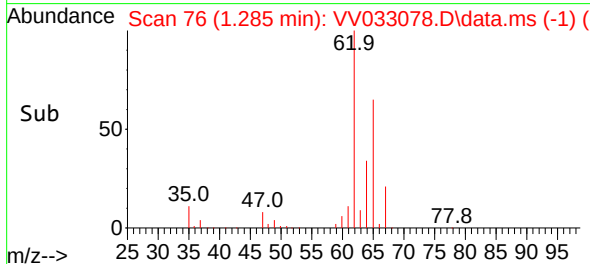
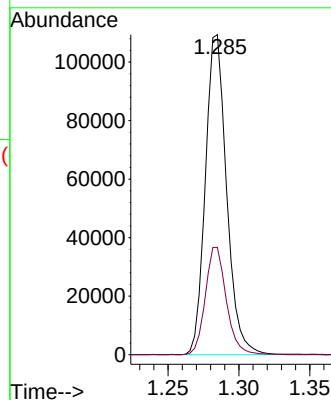
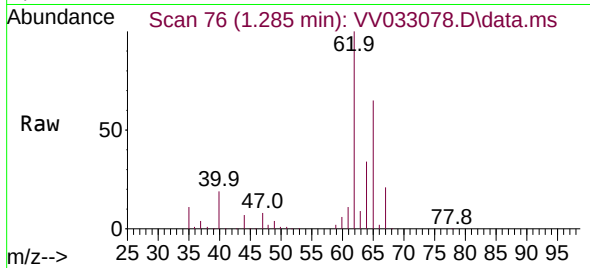
ClientSampleId :

Tgt Ion: 62 Resp: 113866

Ion Ratio Lower Upper

62 100

64 33.6 24.2 45.0



#6

Bromomethane

Concen: 49.143 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV033078.D

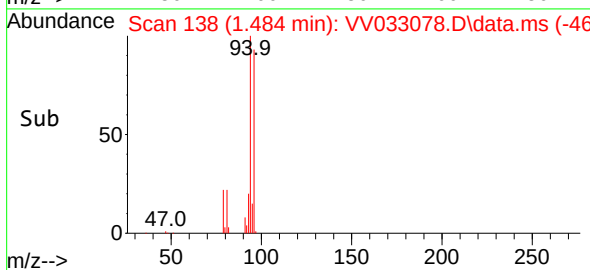
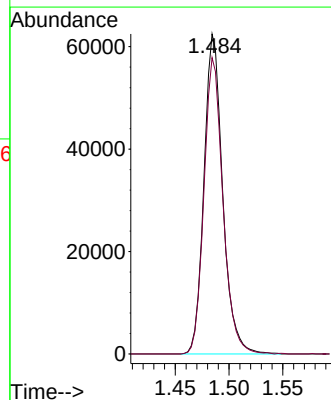
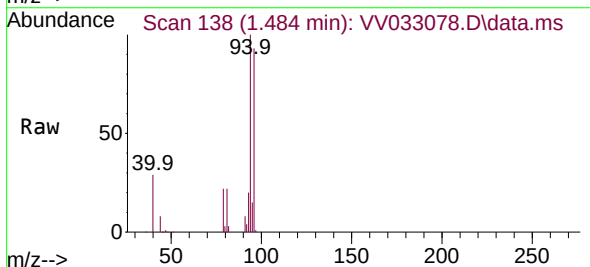
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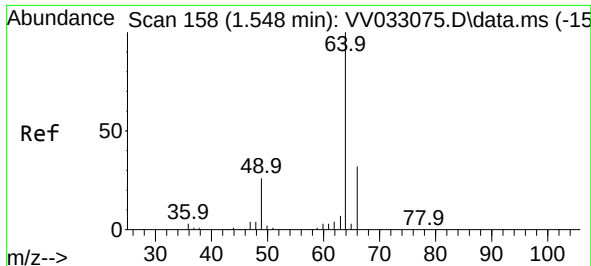
Tgt Ion: 94 Resp: 75477

Ion Ratio Lower Upper

94 100

96 92.6 67.1 124.7

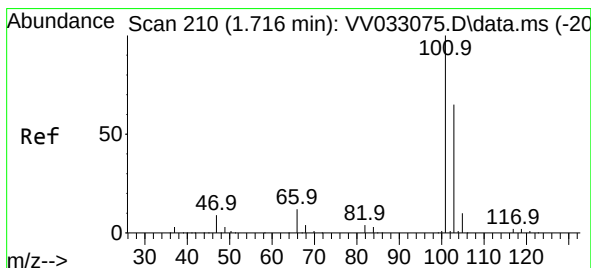
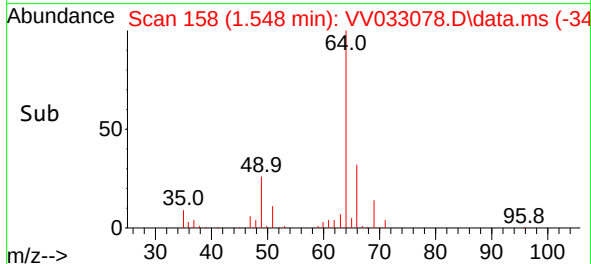
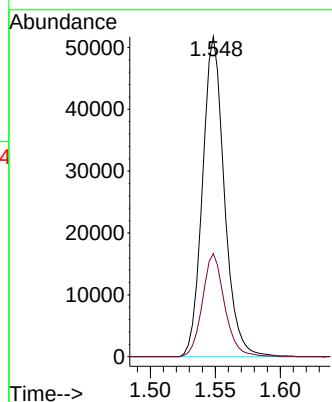
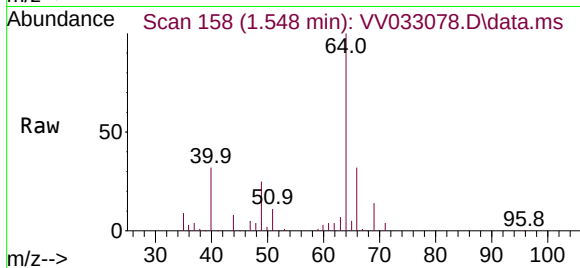




#8
Chloroethane
Concen: 48.373 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

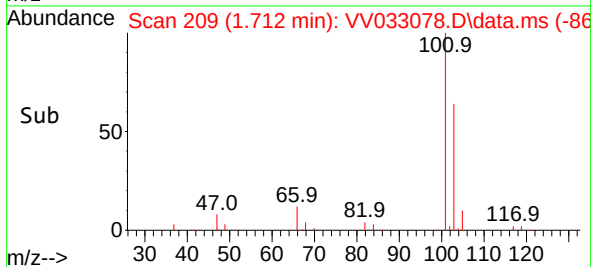
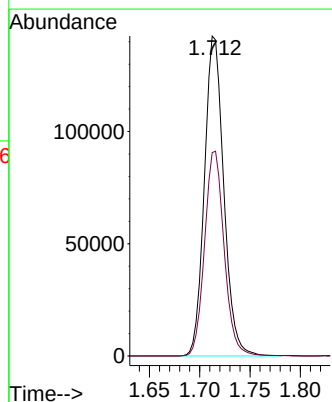
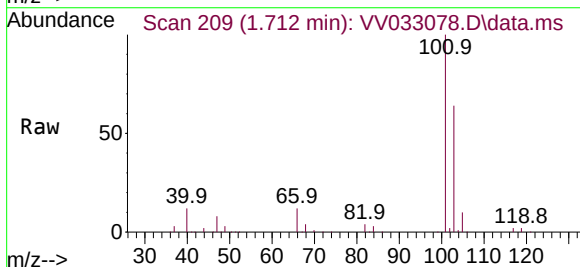
Instrument :
MSVOA_V
ClientSampleId :

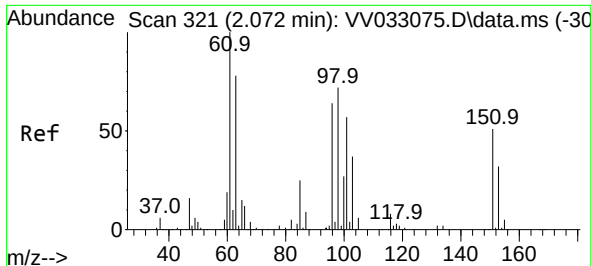
Tgt Ion: 64 Resp: 60618
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 49.266 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion:101 Resp: 191346
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9





#10

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

Concen: 49.773 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

ClientSampleId :

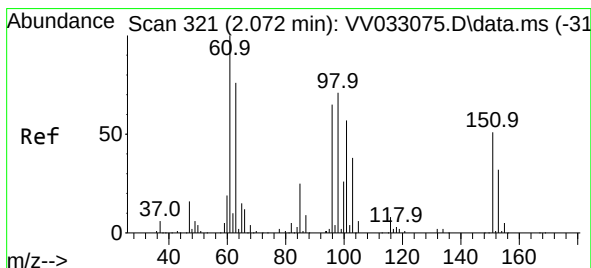
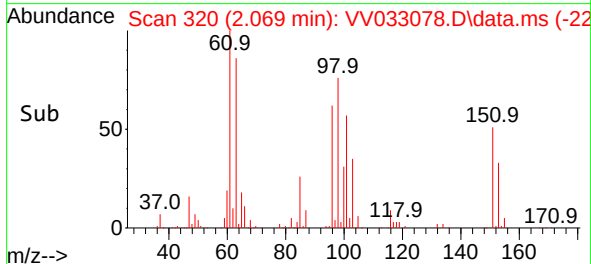
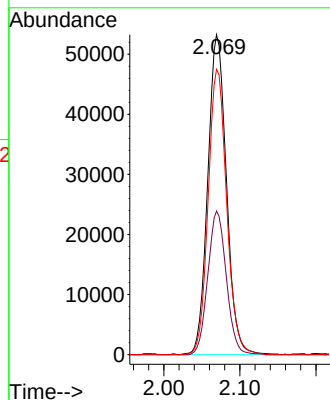
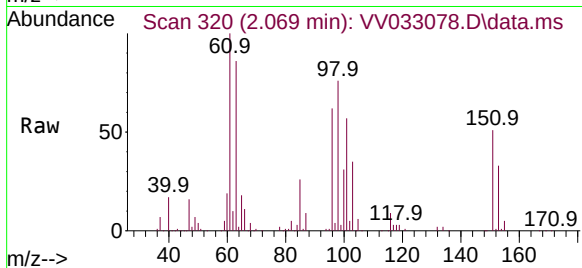
Tgt Ion:101 Resp: 90779

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

151 88.5 69.1 103.7



#12

1,1-Dichloroethene

Concen: 49.834 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

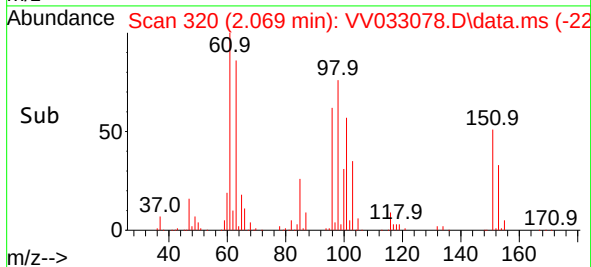
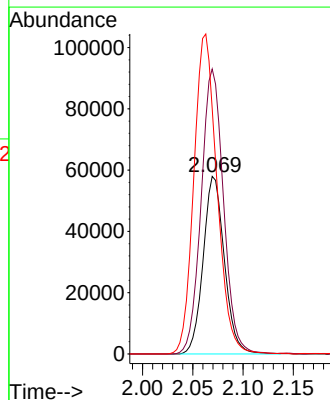
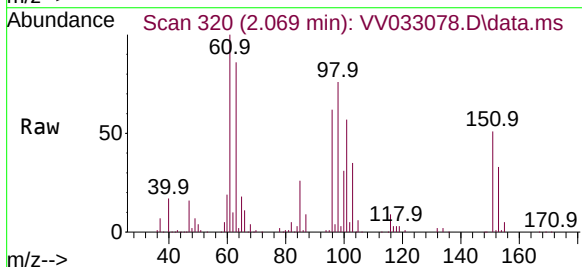
Tgt Ion: 96 Resp: 85053

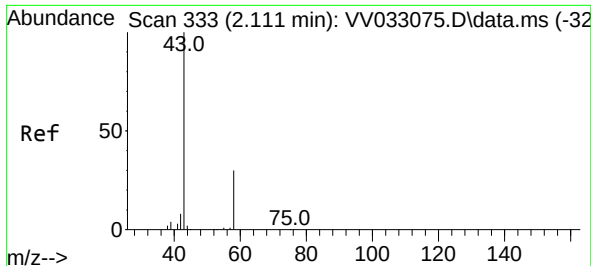
Ion Ratio Lower Upper

96 100

61 160.5 109.1 202.7

63 138.3 85.3 158.3





#13

Acetone

Concen: 88.727 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

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Acq: 01 Dec 2023 14:57

Instrument :

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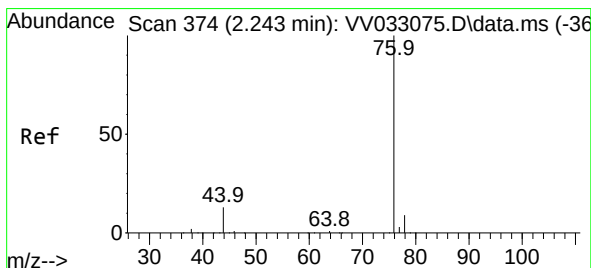
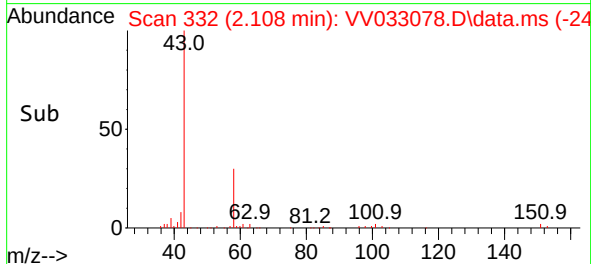
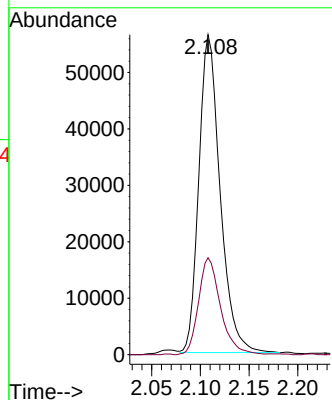
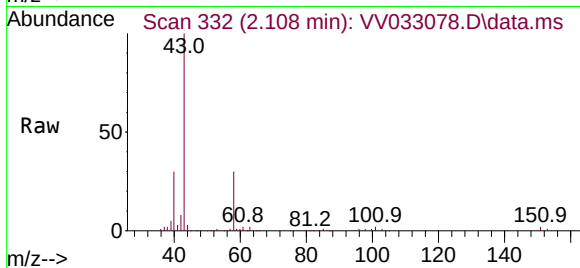
ClientSampleId :

Tgt Ion: 43 Resp: 85617

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.8



#14

Carbon disulfide

Concen: 49.907 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

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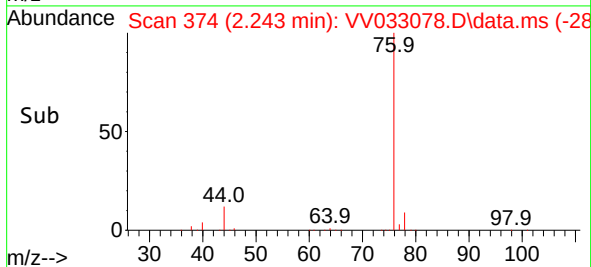
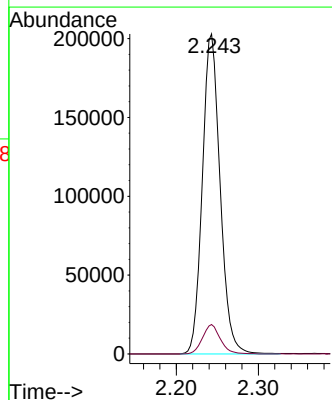
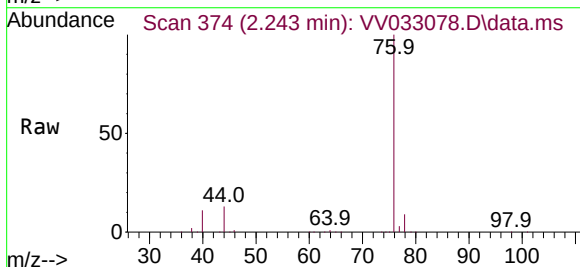
Acq: 01 Dec 2023 14:57

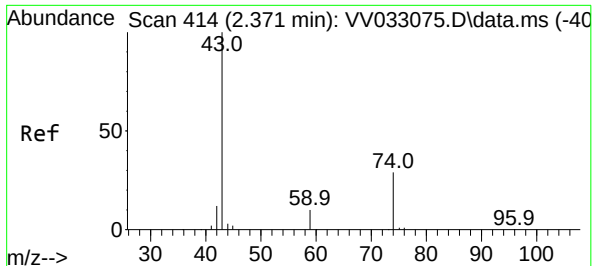
Tgt Ion: 76 Resp: 305595

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

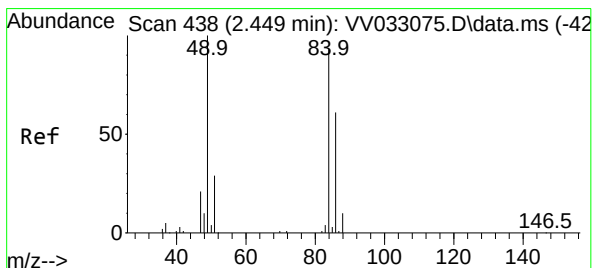
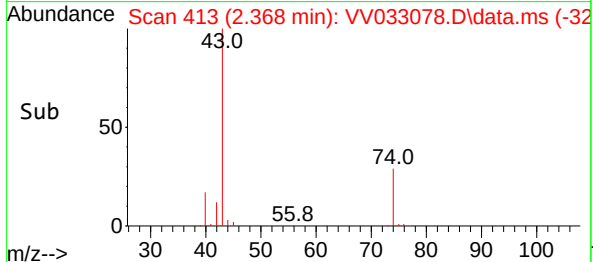
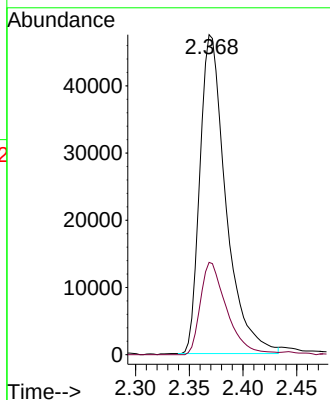
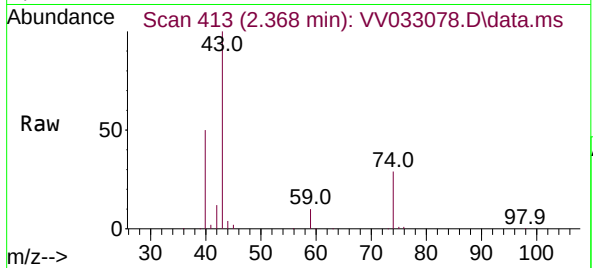




#15
Methyl Acetate
Concen: 49.623 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

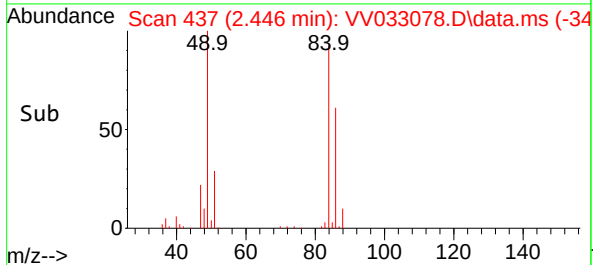
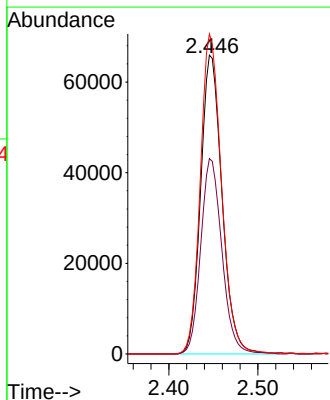
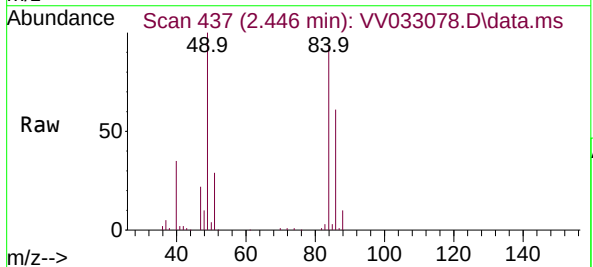
Instrument :
MSVOA_V
ClientSampleId :

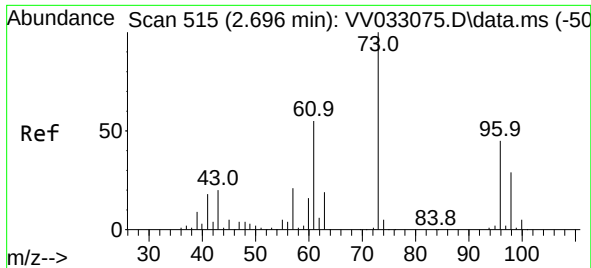
Tgt Ion: 43 Resp: 79808
Ion Ratio Lower Upper
43 100
74 29.3 22.6 33.8



#16
Methylene chloride
Concen: 48.665 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 84 Resp: 109983
Ion Ratio Lower Upper
84 100
86 65.4 45.9 85.3
49 107.1 75.5 140.1

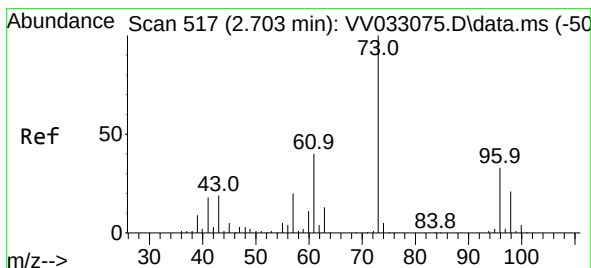
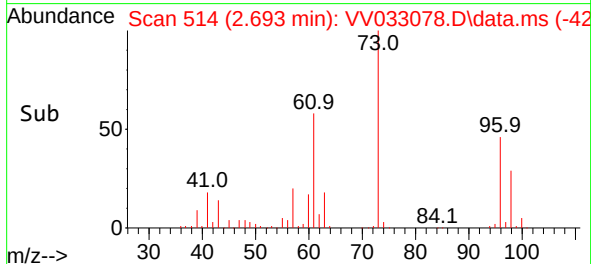
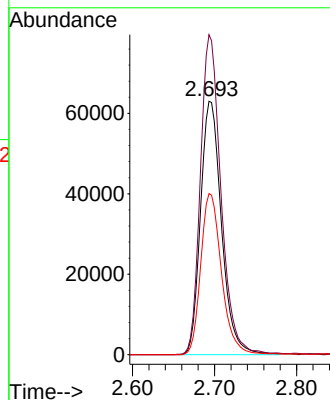
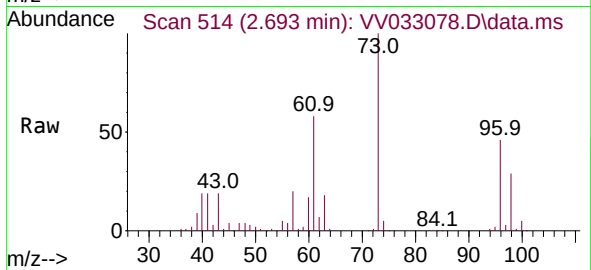




#17
trans-1,2-Dichloroethene
Concen: 50.008 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

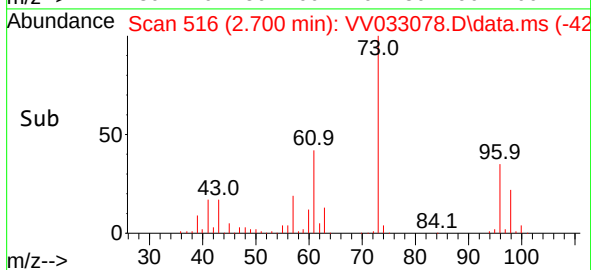
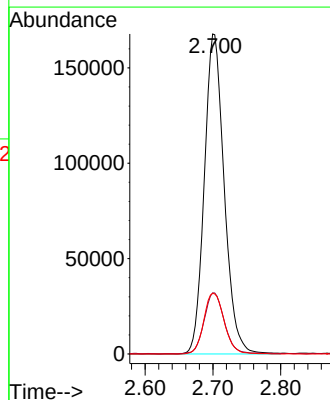
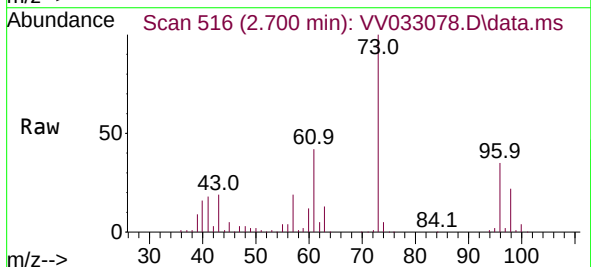
Instrument :
MSVOA_V
ClientSampleId :

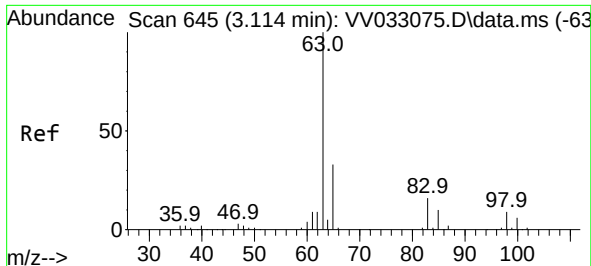
Tgt Ion: 96 Resp: 112062
Ion Ratio Lower Upper
96 100
61 126.3 86.5 160.6
98 63.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 50.344 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 73 Resp: 342710
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.2
57 19.4 16.1 24.1





#19

1,1-Dichloroethane

Concen: 48.980 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

ClientSampleId :

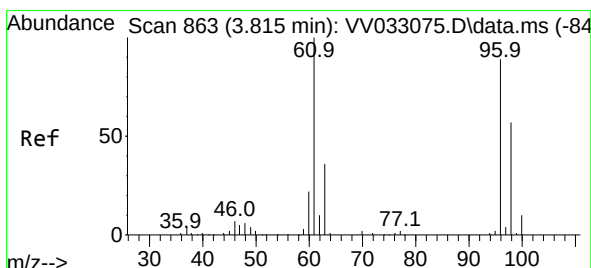
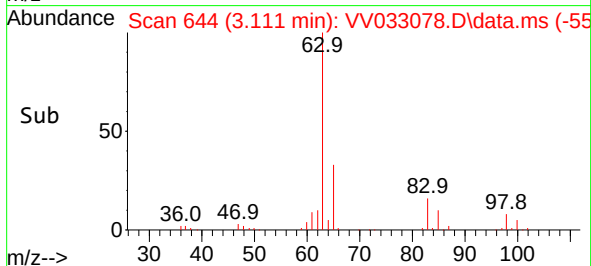
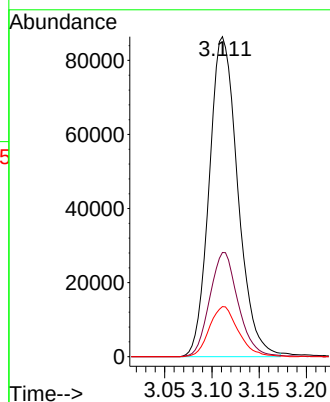
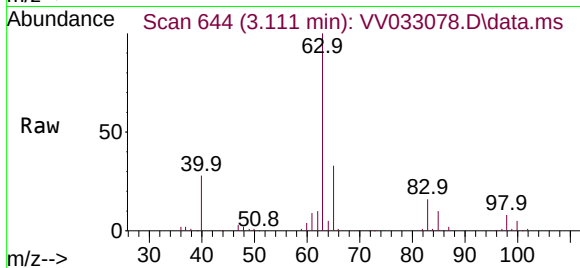
Tgt Ion: 63 Resp: 181661

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.6

83 15.7 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 50.660 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

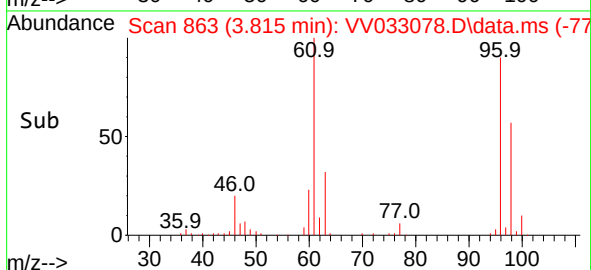
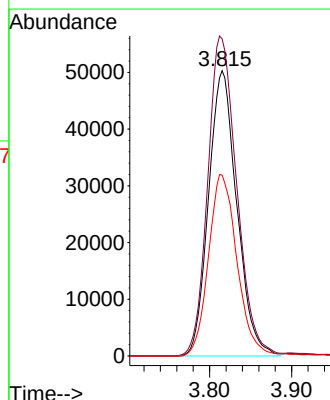
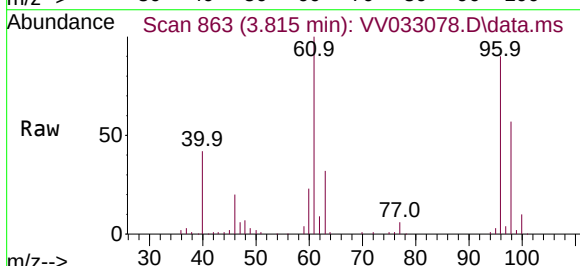
Tgt Ion: 96 Resp: 120455

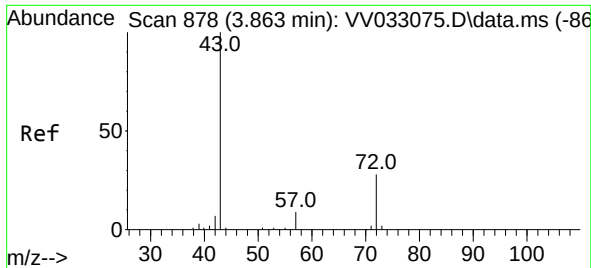
Ion Ratio Lower Upper

96 100

61 111.1 79.1 146.9

98 63.4 45.1 83.7

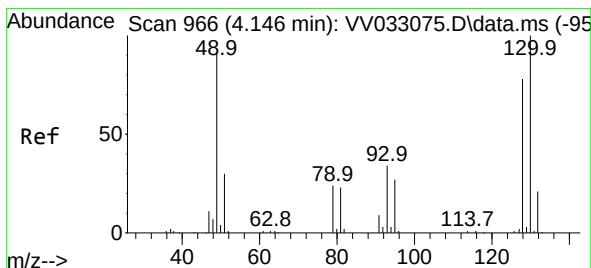
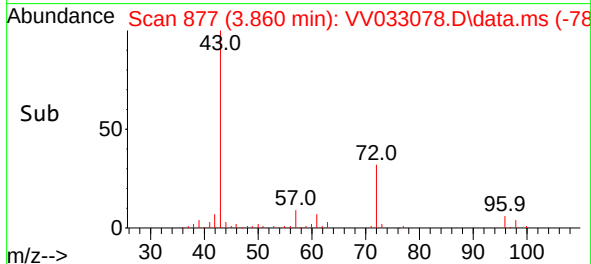
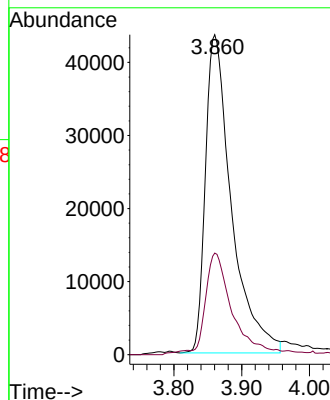
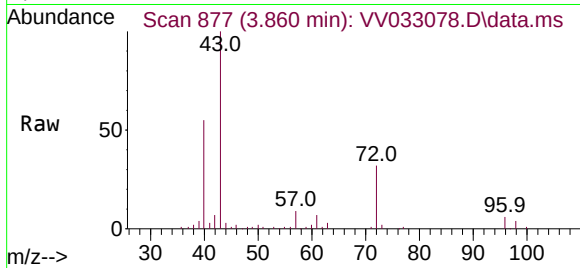




#22
2-Butanone
Concen: 94.607 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

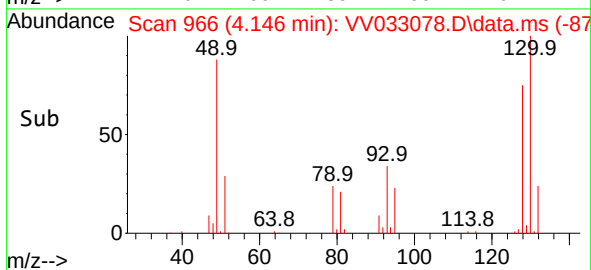
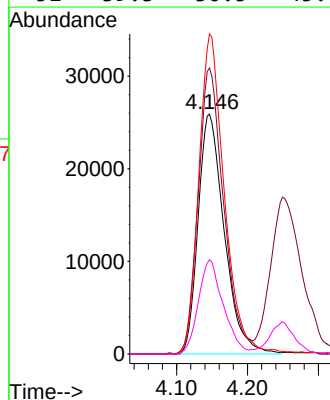
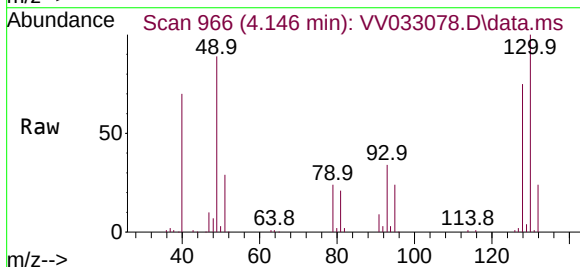
Instrument :
MSVOA_V
ClientSampleId :

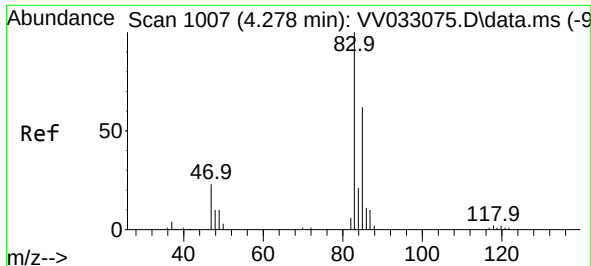
Tgt Ion: 43 Resp: 116177
Ion Ratio Lower Upper
43 100
72 29.4 14.6 43.8



#23
Bromochloromethane
Concen: 48.532 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion:128 Resp: 66260
Ion Ratio Lower Upper
128 100
49 119.3 81.7 151.7
130 133.4 90.1 167.3
51 39.3 30.5 45.7





#25

Chloroform

Concen: 49.595 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

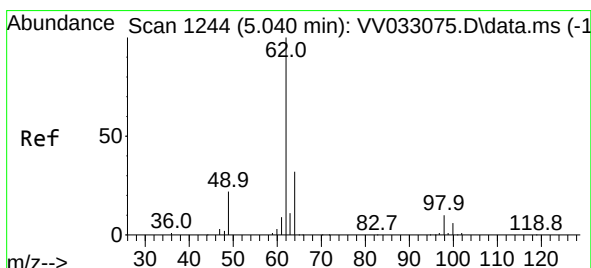
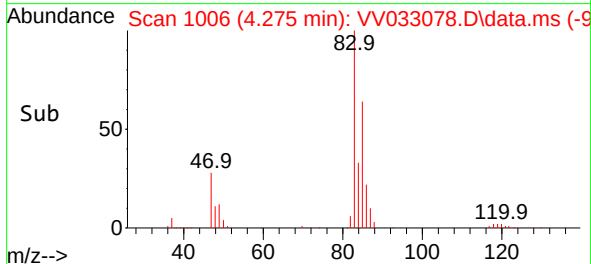
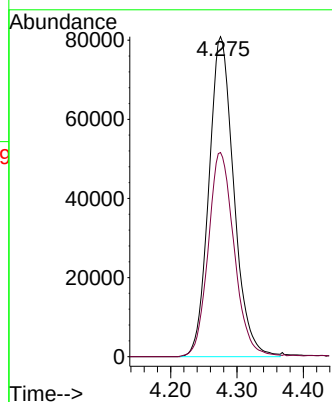
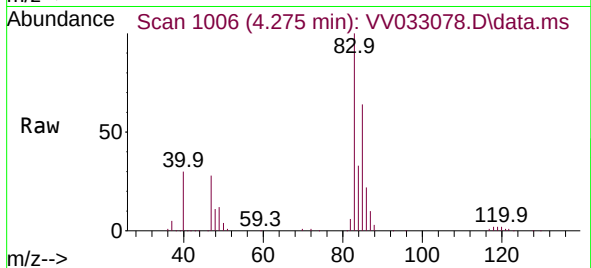
ClientSampleId :

Tgt Ion: 83 Resp: 211547

Ion Ratio Lower Upper

83 100

85 63.8 43.5 80.7



#27

1,2-Dichloroethane

Concen: 49.917 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV033078.D

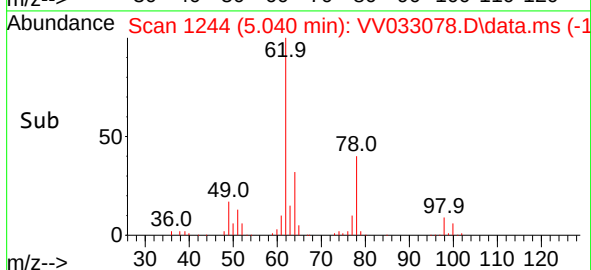
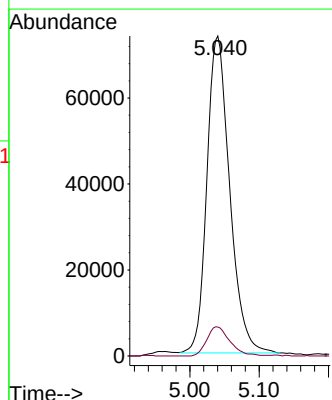
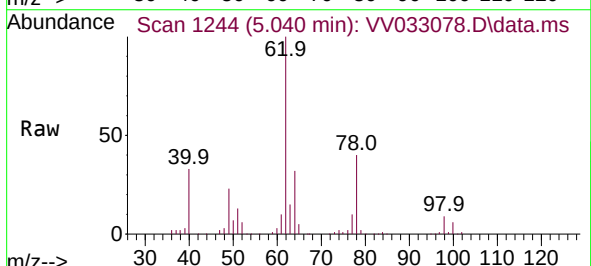
Acq: 01 Dec 2023 14:57

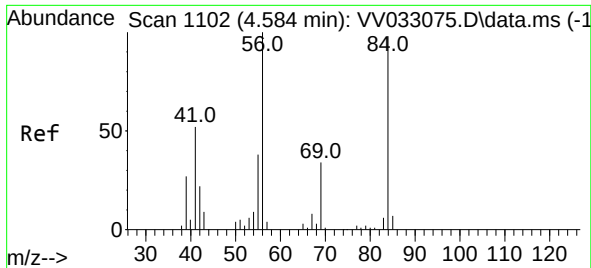
Tgt Ion: 62 Resp: 168253

Ion Ratio Lower Upper

62 100

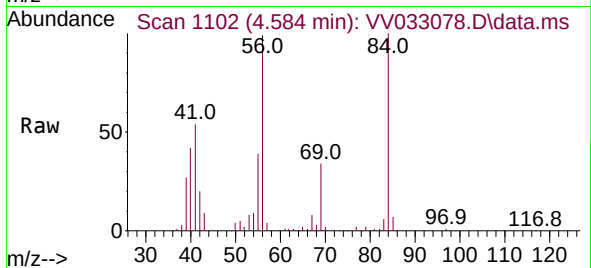
98 9.1 7.8 11.8



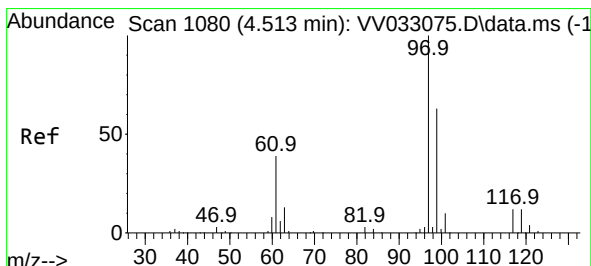
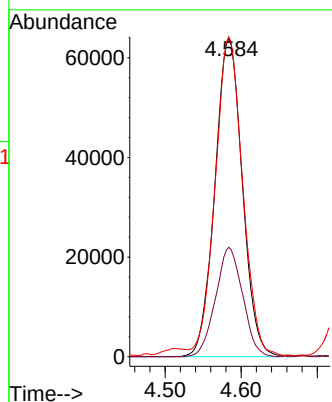
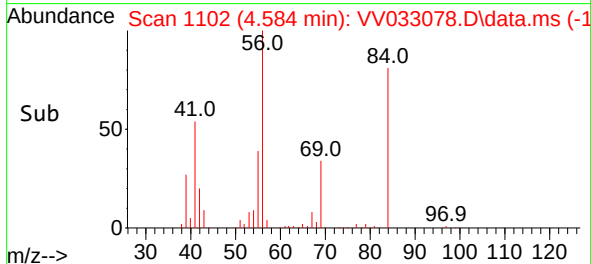


#29
Cyclohexane
Concen: 51.862 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Instrument :
MSVOA_V
ClientSampleId :

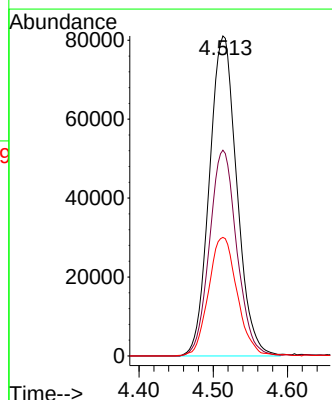
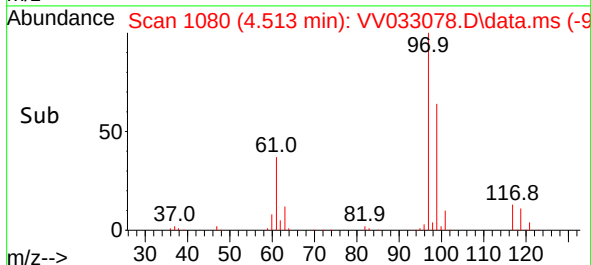
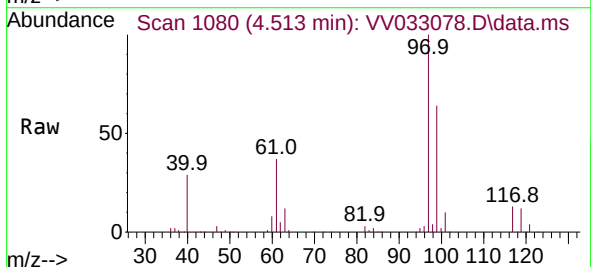


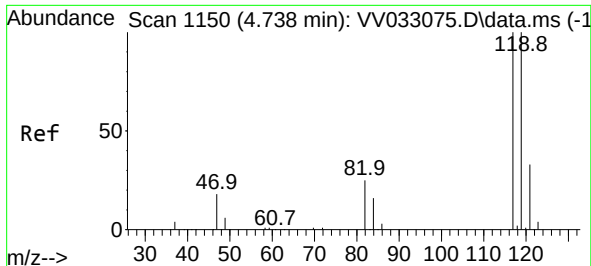
Tgt Ion: 56 Resp: 159912
Ion Ratio Lower Upper
56 100
69 33.9 26.9 40.3
84 99.9 80.6 121.0



#30
1,1,1-Trichloroethane
Concen: 50.501 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

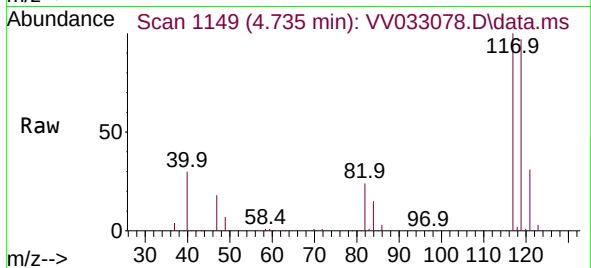
Tgt Ion: 97 Resp: 208354
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 38.8 31.8 47.8



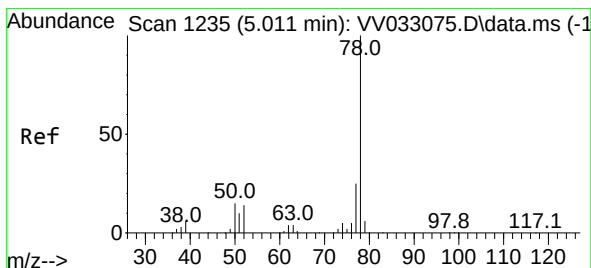
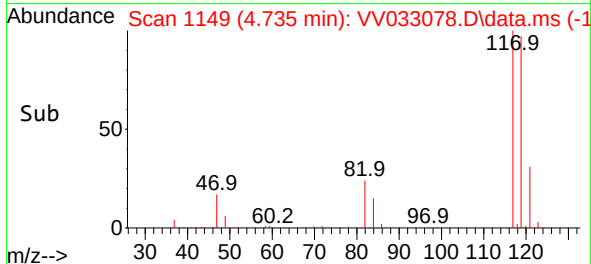
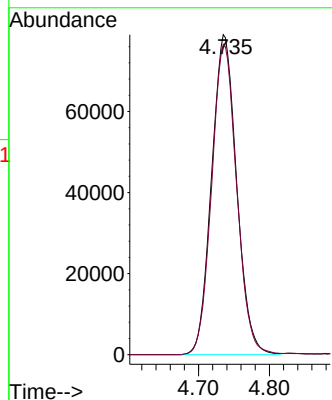


#31
Carbon tetrachloride
Concen: 50.568 ug/L
RT: 4.735 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Instrument :
MSVOA_V
ClientSampleId :

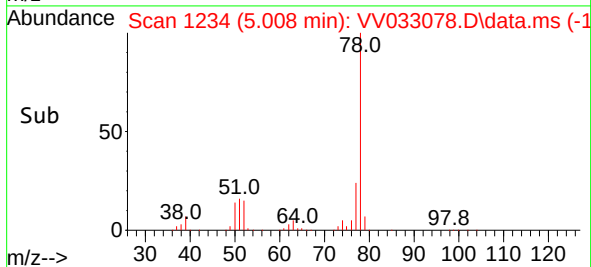
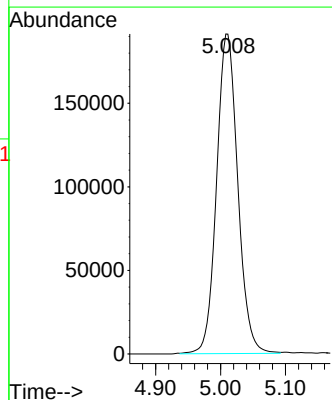
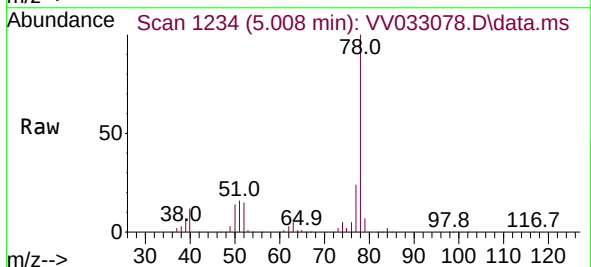


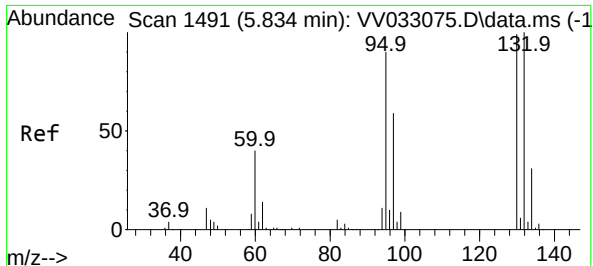
Tgt Ion:117 Resp: 193987
Ion Ratio Lower Upper
117 100
119 96.7 77.5 116.3



#33
Benzene
Concen: 51.125 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 78 Resp: 432496

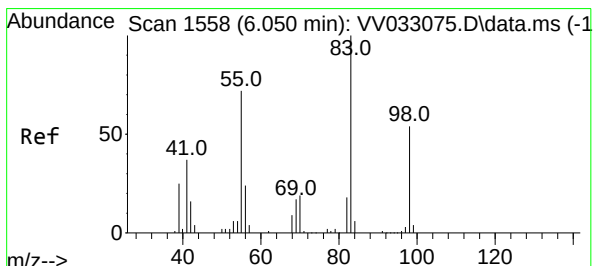
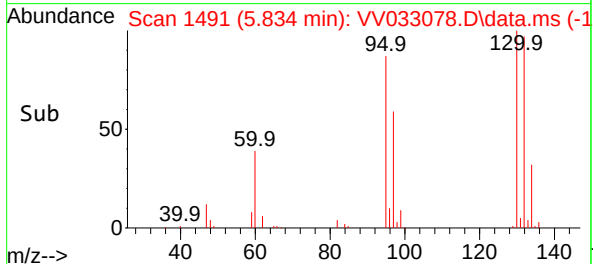
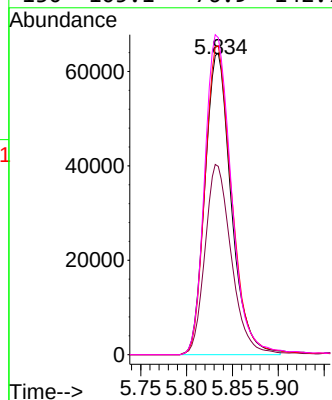
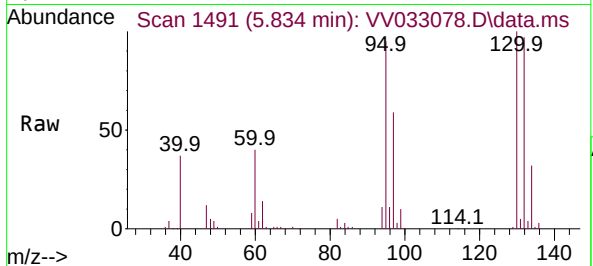




#34
Trichloroethene
Concen: 50.376 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

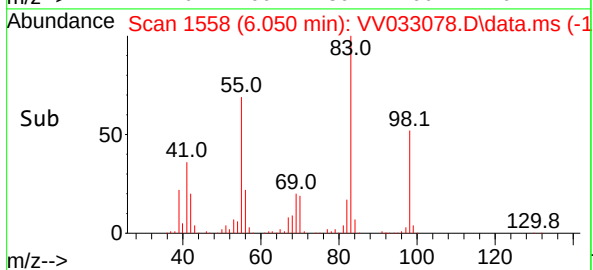
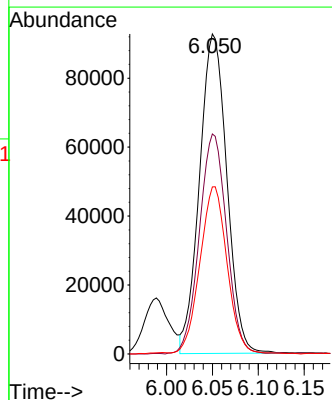
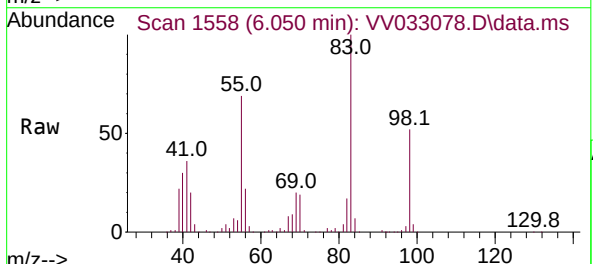
Instrument :
MSVOA_V
ClientSampleId :

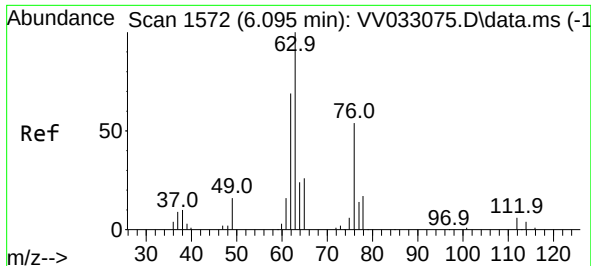
Tgt Ion: 95 Resp: 127316
Ion Ratio Lower Upper
95 100
97 62.5 45.8 85.0
132 102.4 77.4 143.8
130 105.1 76.9 142.7



#35
Methylcyclohexane
Concen: 52.399 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 83 Resp: 192199
Ion Ratio Lower Upper
83 100
55 68.6 54.8 82.2
98 52.3 41.4 62.0





#37

1,2-Dichloropropane

Concen: 51.047 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

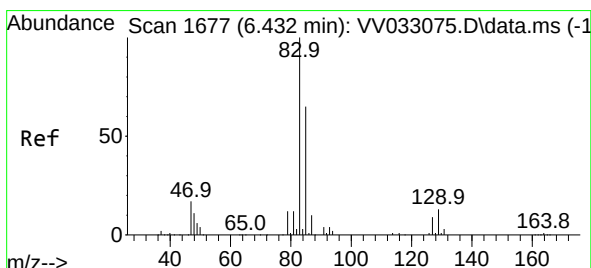
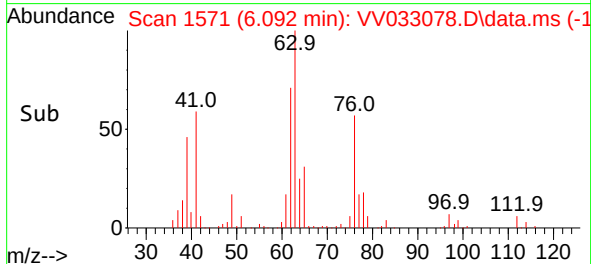
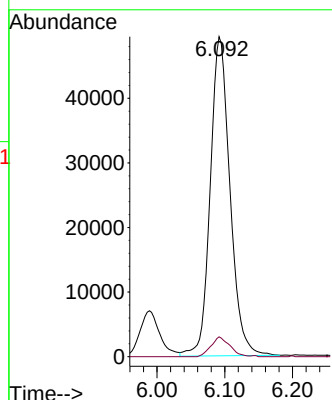
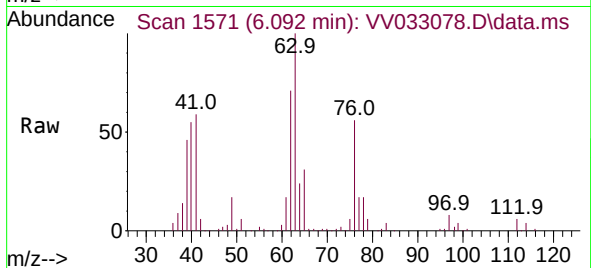
ClientSampleId :

Tgt Ion: 63 Resp: 99940

Ion Ratio Lower Upper

63 100

112 5.9 4.6 6.8



#38

Bromodichloromethane

Concen: 50.432 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

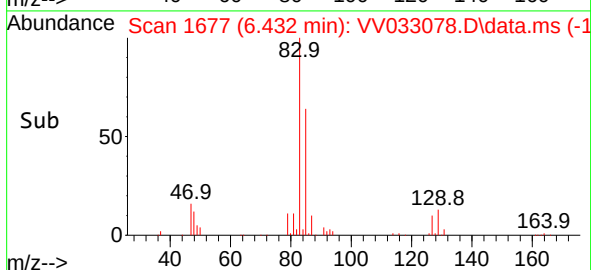
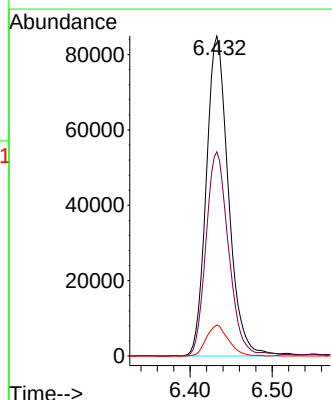
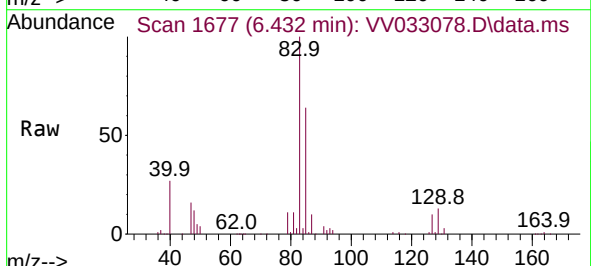
Tgt Ion: 83 Resp: 159178

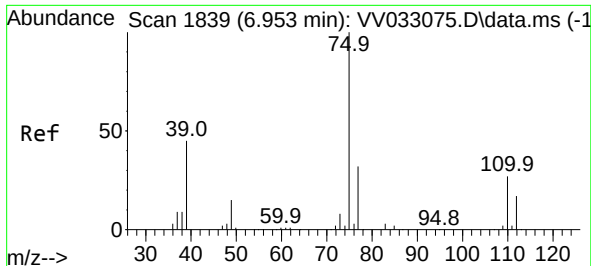
Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.6

127 9.7 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 53.205 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

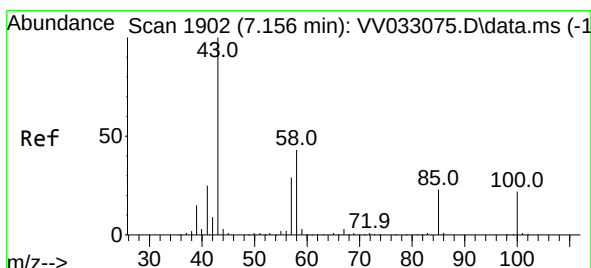
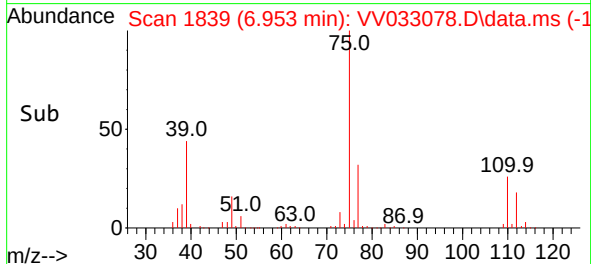
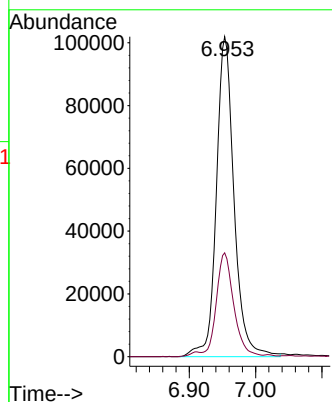
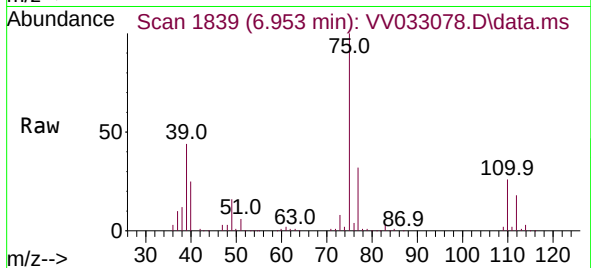
ClientSampleId :

Tgt Ion: 75 Resp: 189017

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 106.210 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

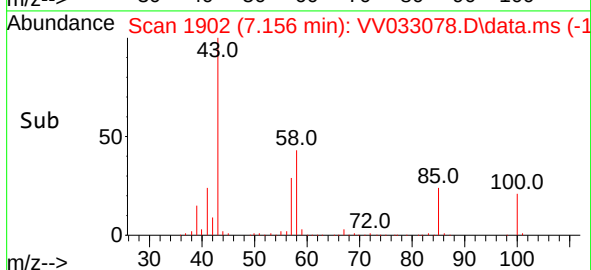
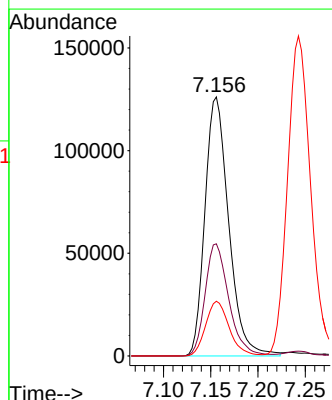
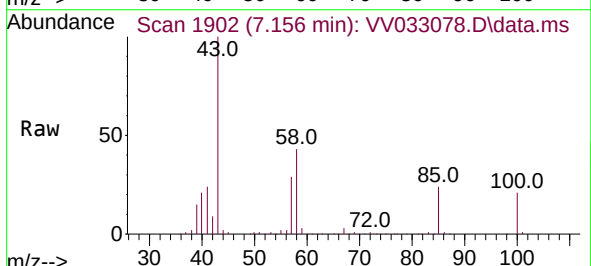
Tgt Ion: 43 Resp: 220782

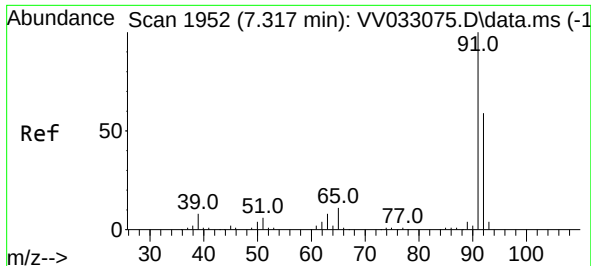
Ion Ratio Lower Upper

43 100

58 43.2 34.5 51.7

100 21.0 17.0 25.6





#42

Toluene

Concen: 51.705 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

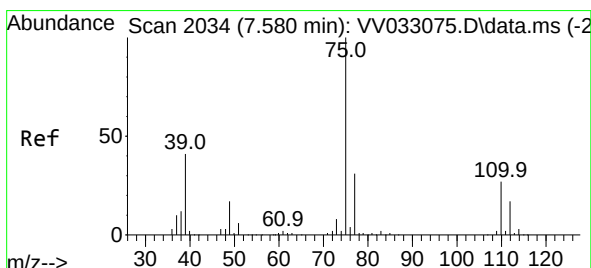
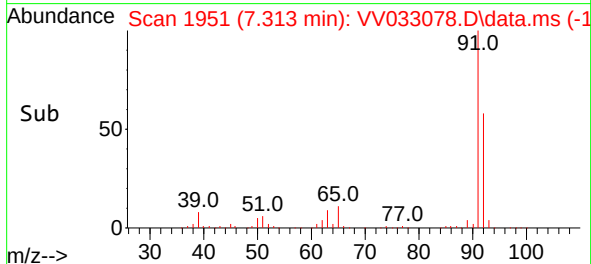
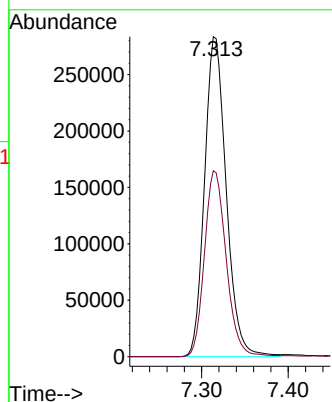
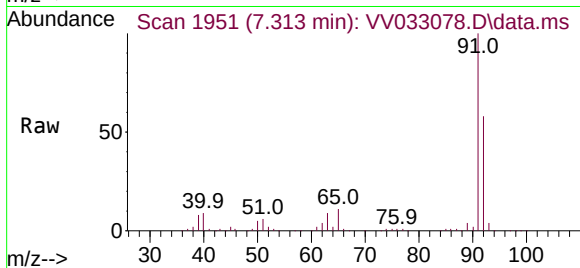
ClientSampleId :

Tgt Ion: 91 Resp: 492898

Ion Ratio Lower Upper

91 100

92 58.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 51.171 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033078.D

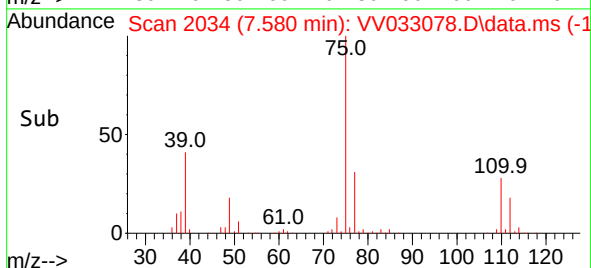
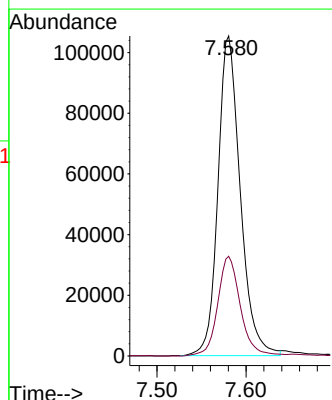
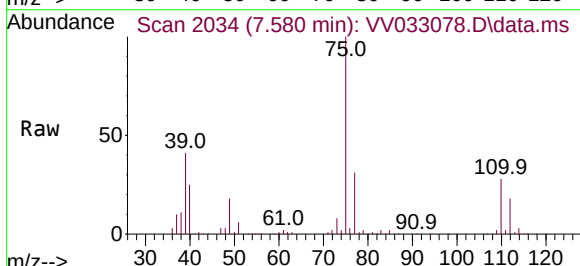
Acq: 01 Dec 2023 14:57

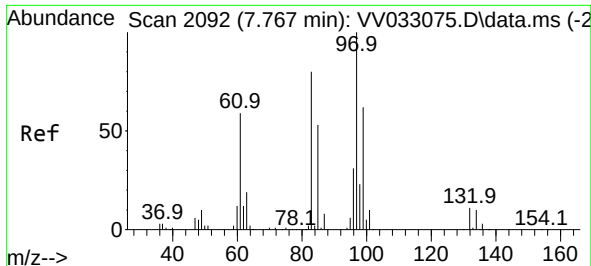
Tgt Ion: 75 Resp: 183822

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 50.431 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 114480

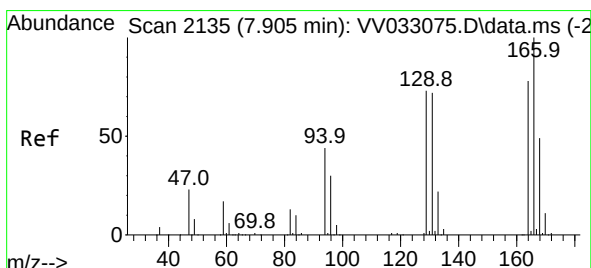
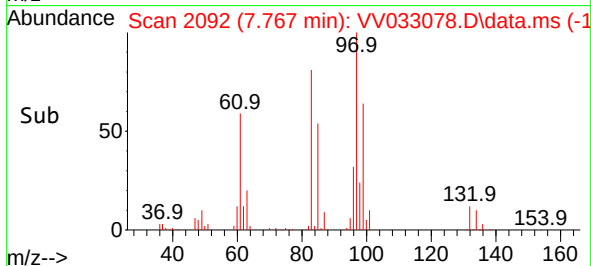
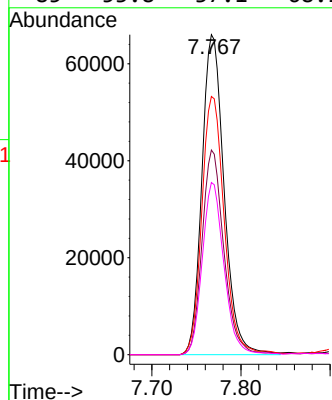
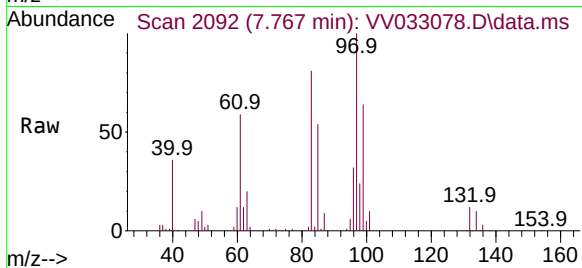
Ion Ratio Lower Upper

97 100

99 63.9 43.2 80.2

83 80.7 55.8 103.6

85 53.8 37.1 68.9



#46

Tetrachloroethene

Concen: 50.297 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Tgt Ion:164 Resp: 109275

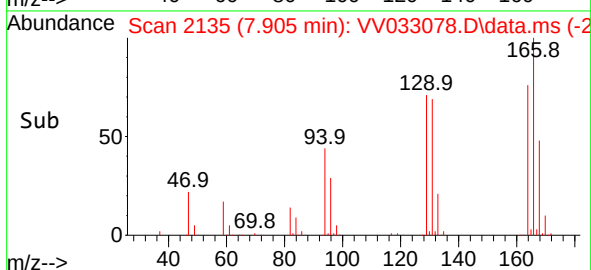
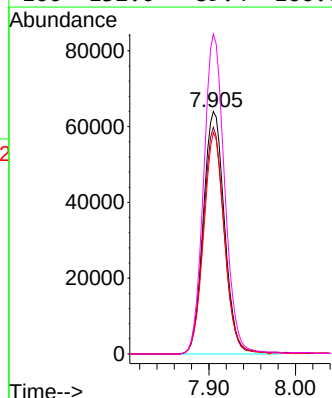
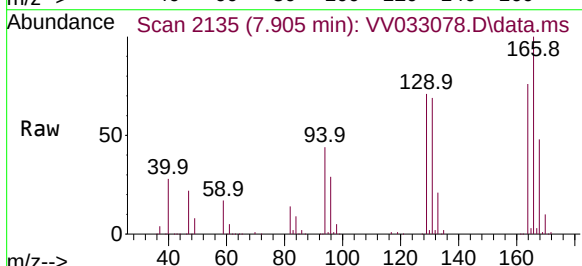
Ion Ratio Lower Upper

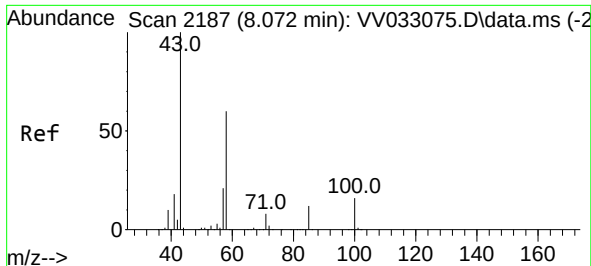
164 100

129 93.5 65.6 121.8

131 91.3 64.7 120.1

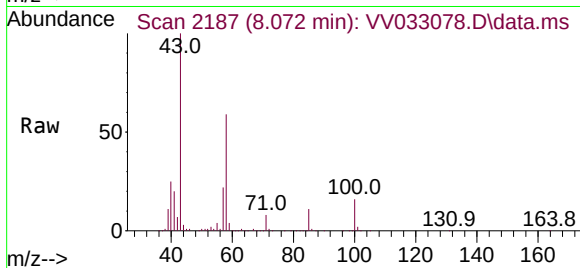
166 132.0 89.4 166.0



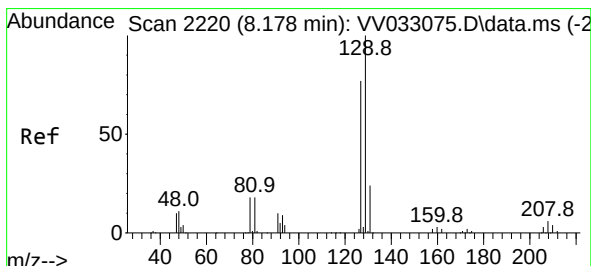
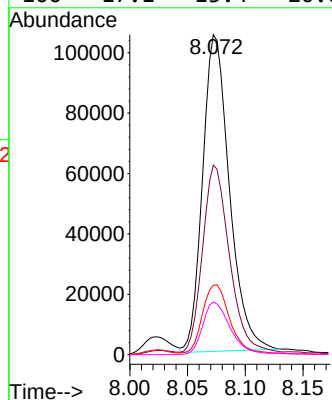
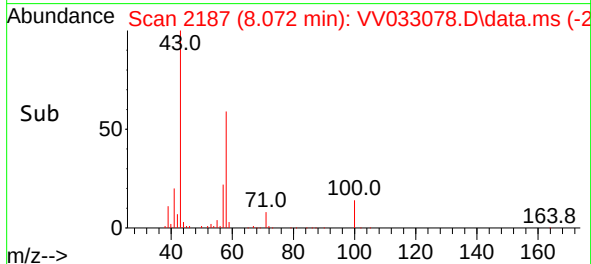


#48
2-Hexanone
Concen: 98.484 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Instrument :
MSVOA_V
ClientSampleId :

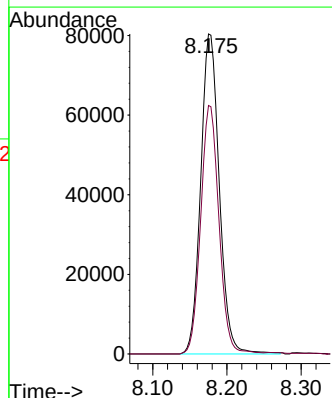
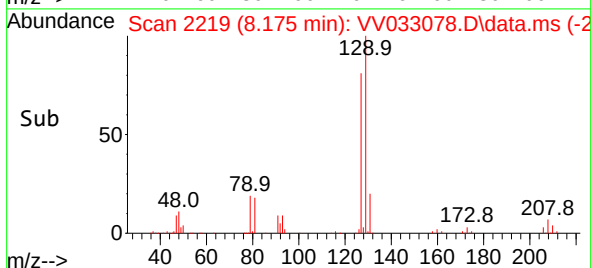
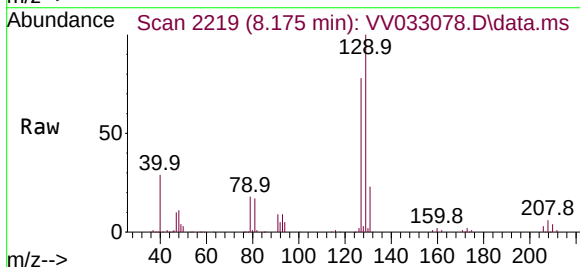


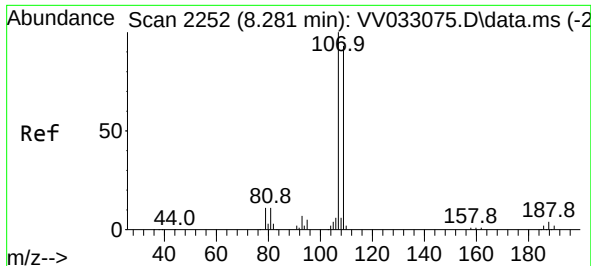
Tgt Ion: 43 Resp: 169735
Ion Ratio Lower Upper
43 100
58 59.6 47.9 71.9
57 22.6 17.4 26.0
100 17.1 13.4 20.0



#49
Dibromochloromethane
Concen: 51.682 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 129 Resp: 140053
Ion Ratio Lower Upper
129 100
127 77.7 54.1 100.5

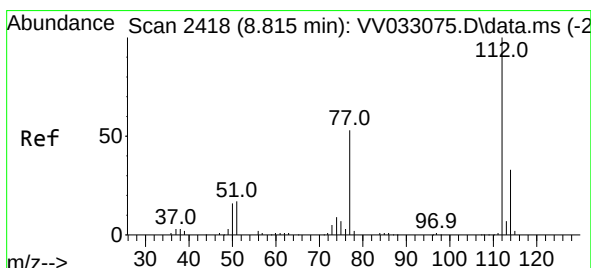
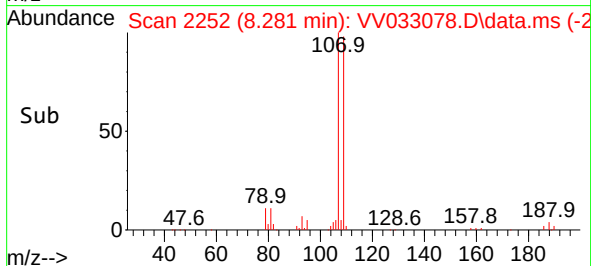
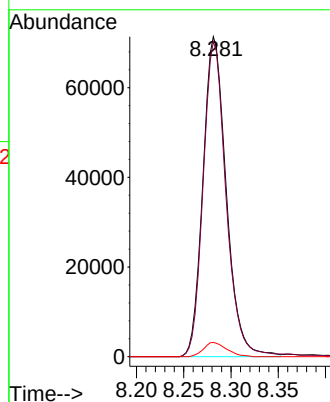
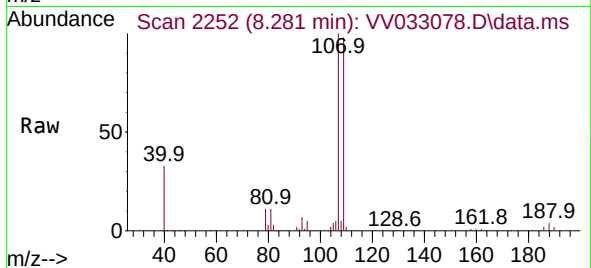




#50
1,2-Dibromoethane
Concen: 50.740 ug/L
RT: 8.281 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

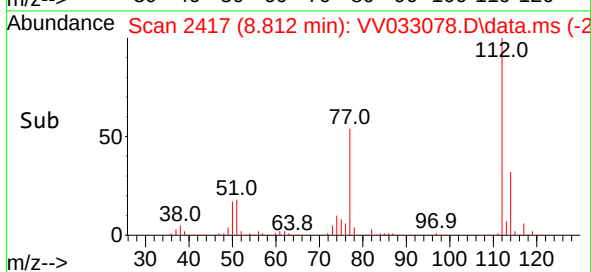
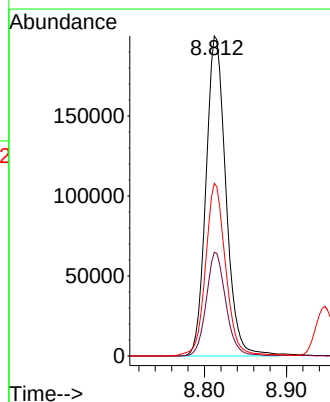
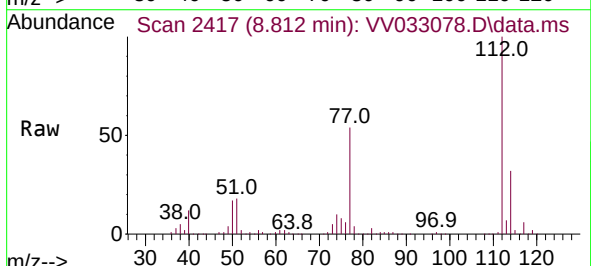
Instrument :
MSVOA_V
ClientSampleId :

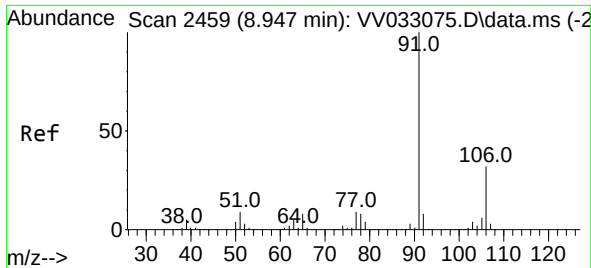
Tgt Ion:107 Resp: 122801
Ion Ratio Lower Upper
107 100
109 98.5 65.2 121.2
188 4.6 3.8 5.6



#51
Chlorobenzene
Concen: 50.425 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion:112 Resp: 338028
Ion Ratio Lower Upper
112 100
114 32.4 22.9 42.5
77 53.9 42.6 64.0

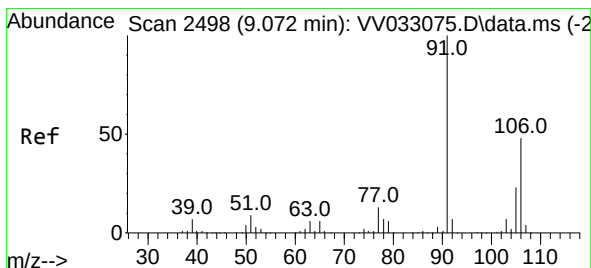
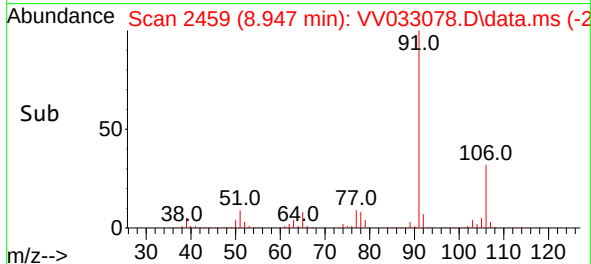
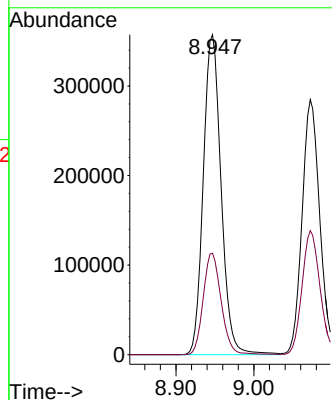
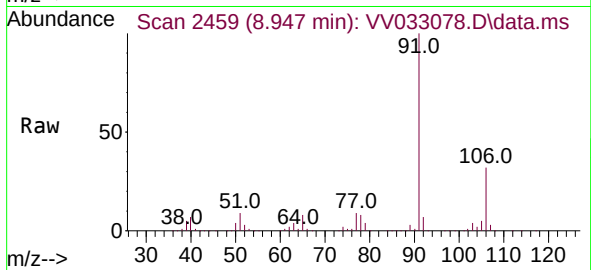




#52
Ethylbenzene
Concen: 51.687 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

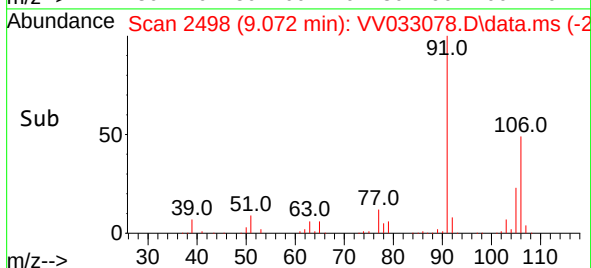
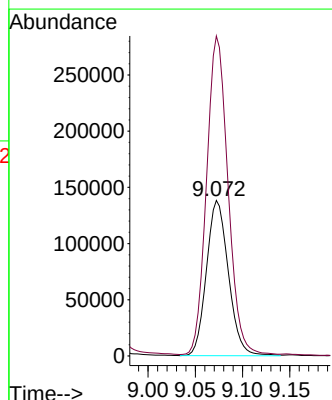
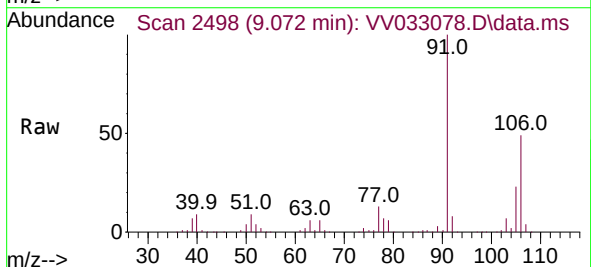
Instrument :
MSVOA_V
ClientSampleId :

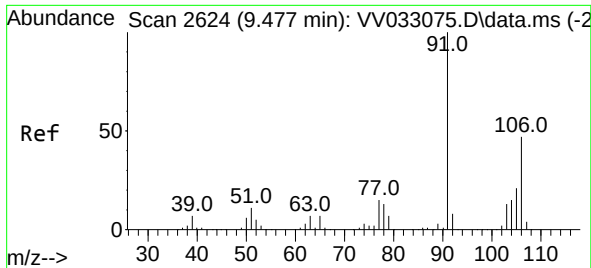
Tgt Ion: 91 Resp: 567144
Ion Ratio Lower Upper
91 100
106 31.7 22.6 42.0



#53
m,p-Xylene
Concen: 51.320 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 106 Resp: 223005
Ion Ratio Lower Upper
106 100
91 205.8 145.2 269.6

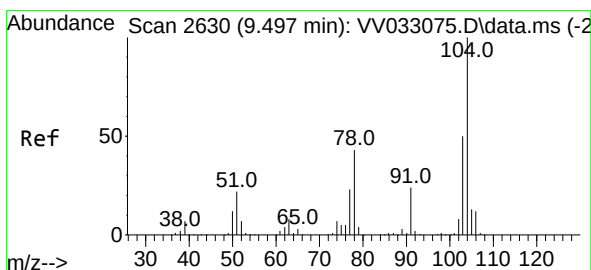
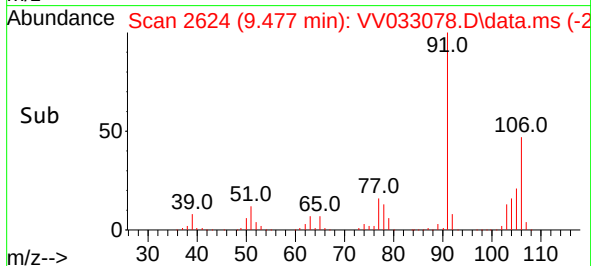
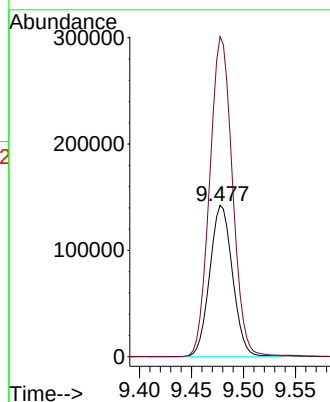
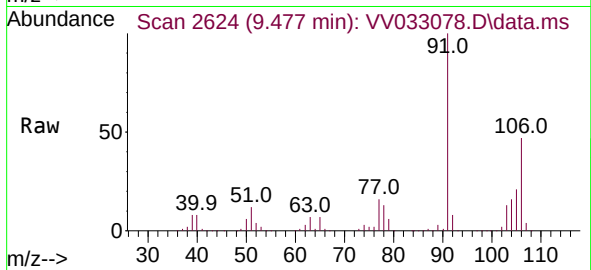




#54
o-Xylene
Concen: 50.682 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

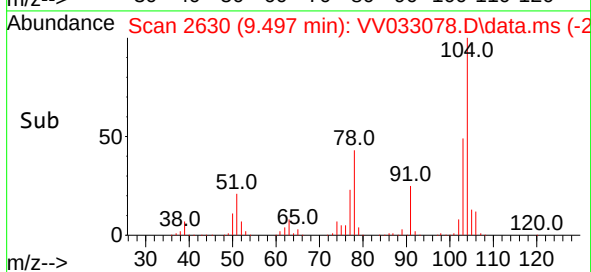
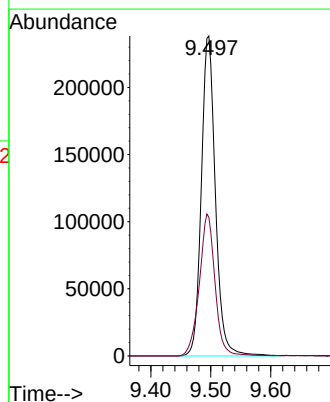
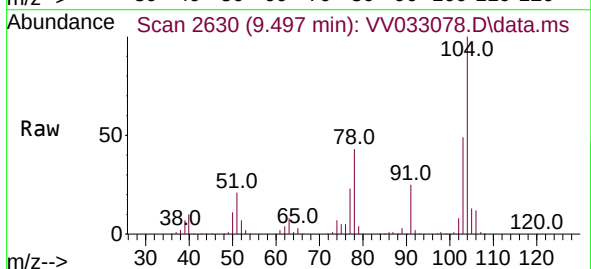
Instrument :
MSVOA_V
ClientSampleId :

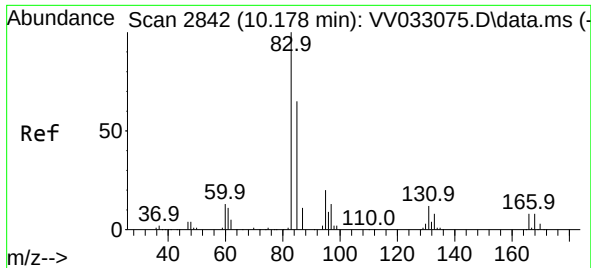
Tgt Ion:106 Resp: 217320
Ion Ratio Lower Upper
106 100
91 211.4 147.8 274.6



#55
Styrene
Concen: 52.610 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion:104 Resp: 390245
Ion Ratio Lower Upper
104 100
78 43.4 30.2 56.0

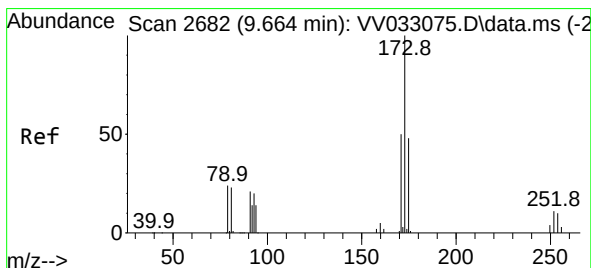
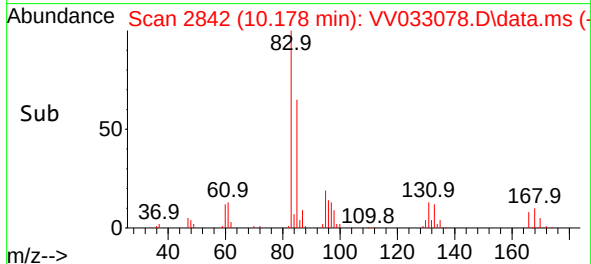
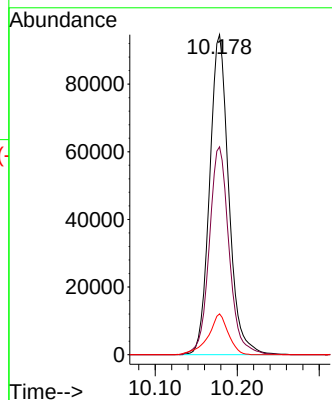
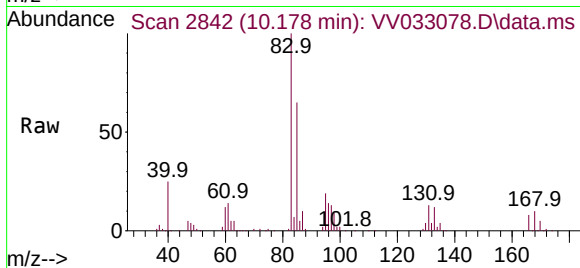




#57
1,1,2,2-Tetrachloroethane
Concen: 49.373 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

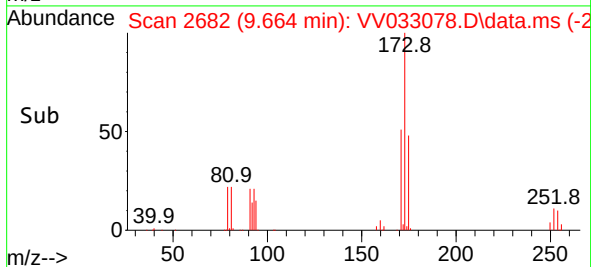
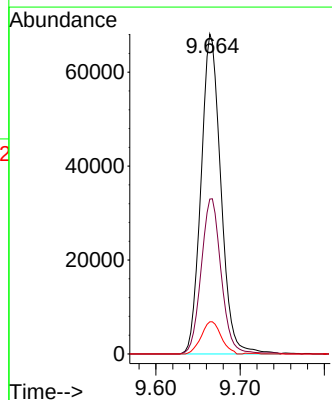
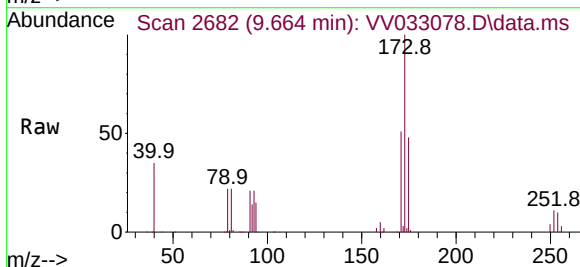
Instrument :
MSVOA_V
ClientSampleId :

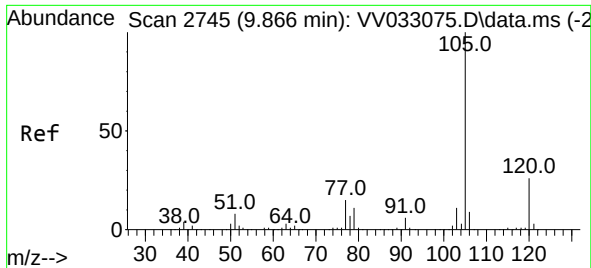
Tgt Ion: 83 Resp: 153129
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5
131 12.7 9.7 14.5



#59
Bromoform
Concen: 51.468 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 173 Resp: 111813
Ion Ratio Lower Upper
173 100
175 48.8 38.7 58.1
254 10.1 8.0 12.0

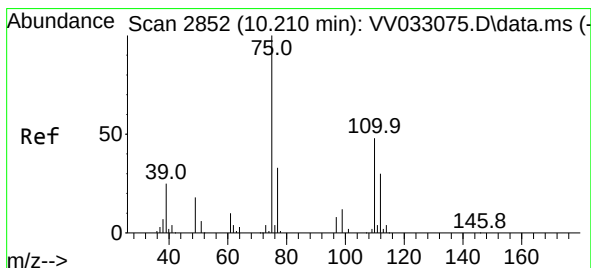
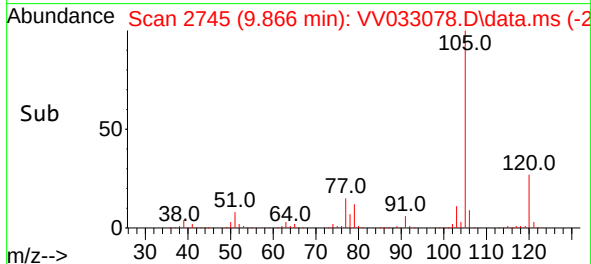
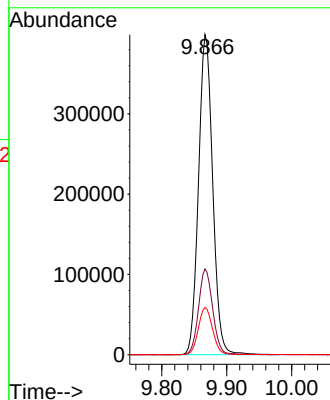
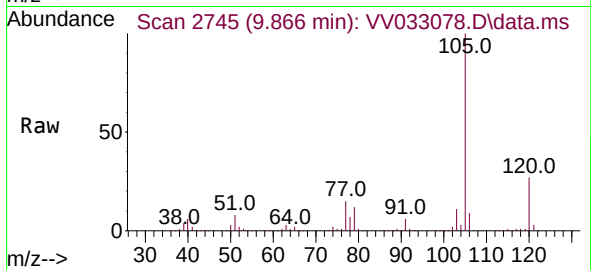




#60
Isopropylbenzene
Concen: 52.496 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

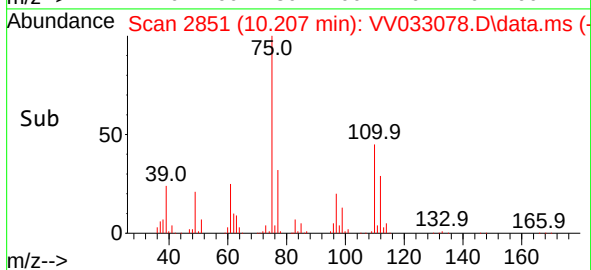
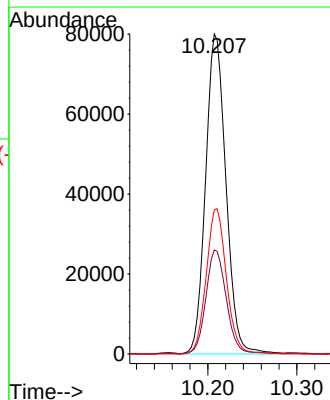
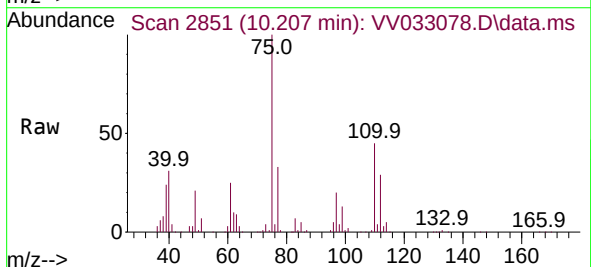
Instrument :
MSVOA_V
ClientSampleId :

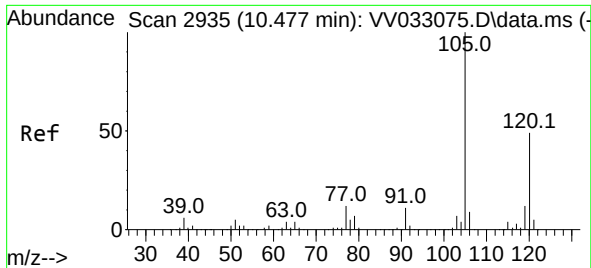
Tgt Ion:105 Resp: 605889
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 14.7 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 50.870 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

Tgt Ion: 75 Resp: 126969
Ion Ratio Lower Upper
75 100
77 32.3 27.0 40.6
110 45.1 38.1 57.1

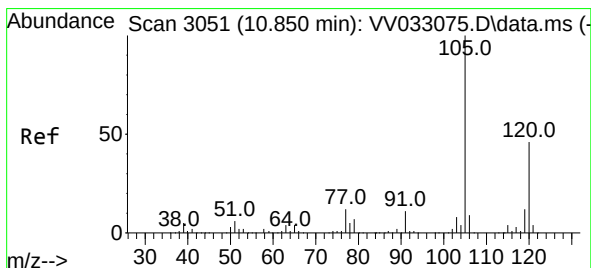
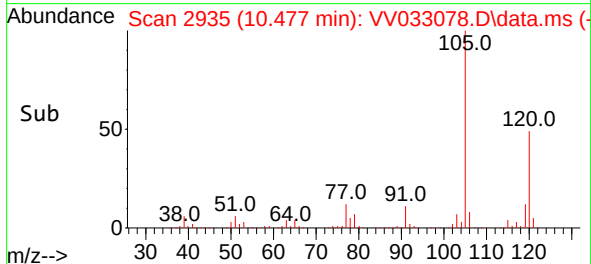
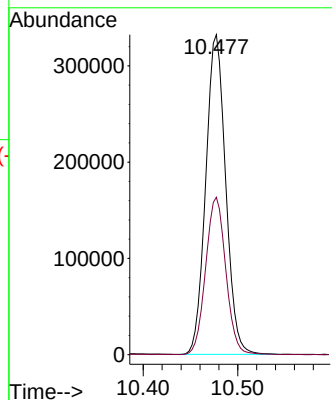
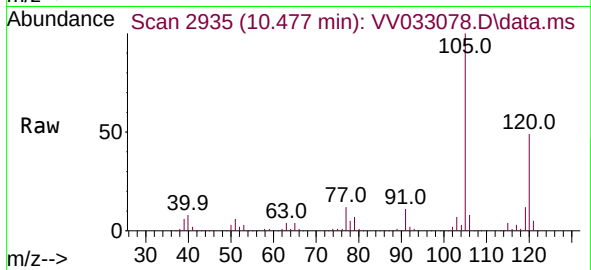




#62
 1,3,5-Trimethylbenzene
 Concen: 52.277 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV033078.D
 Acq: 01 Dec 2023 14:57

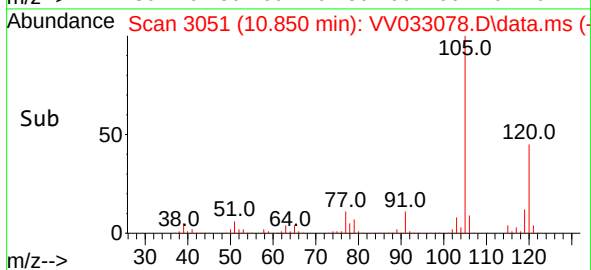
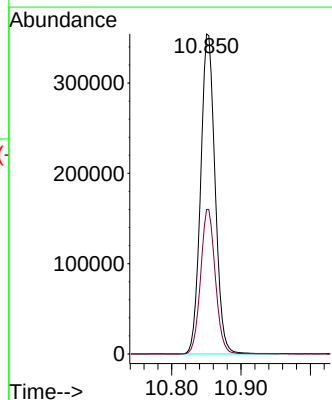
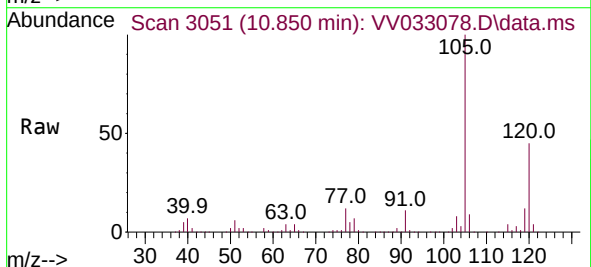
Instrument :
 MSVOA_V
 ClientSampleId :

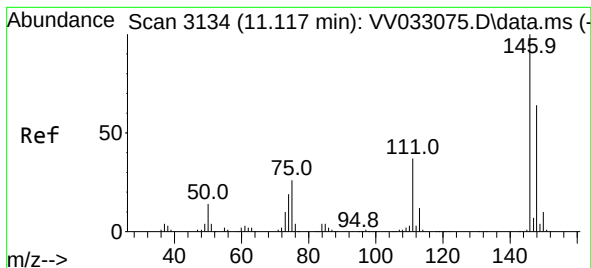
Tgt Ion:105 Resp: 486121
 Ion Ratio Lower Upper
 105 100
 120 49.9 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 53.022 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV033078.D
 Acq: 01 Dec 2023 14:57

Tgt Ion:105 Resp: 513480
 Ion Ratio Lower Upper
 105 100
 120 45.8 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 50.644 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

ClientSampleId :

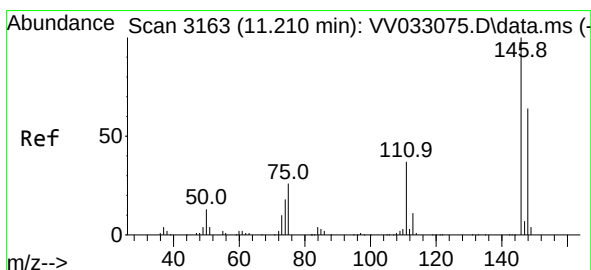
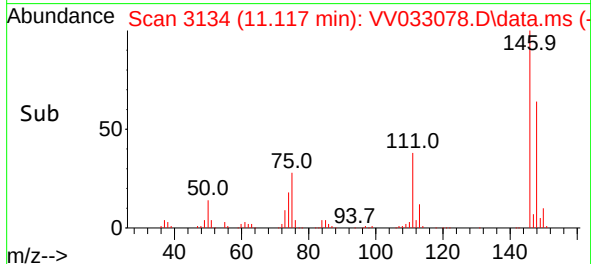
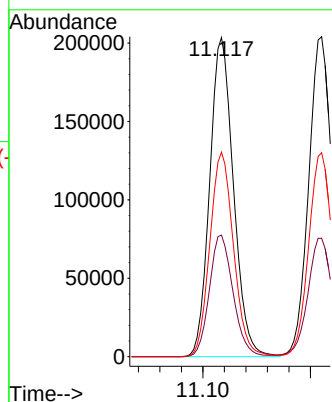
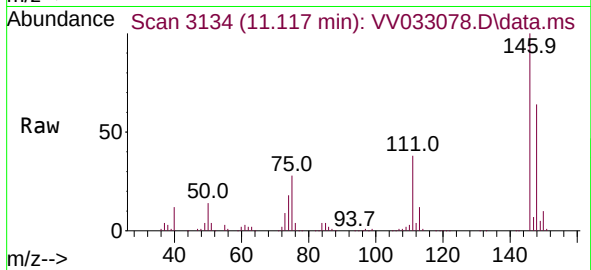
Tgt Ion:146 Resp: 312269

Ion Ratio Lower Upper

146 100

111 38.1 26.2 48.6

148 64.1 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 49.531 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

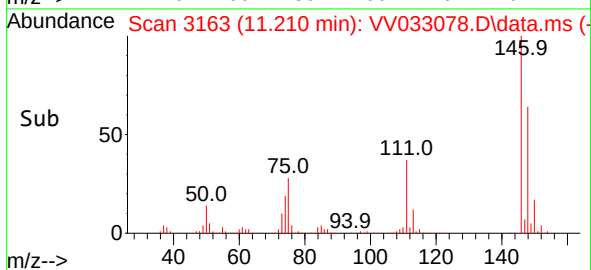
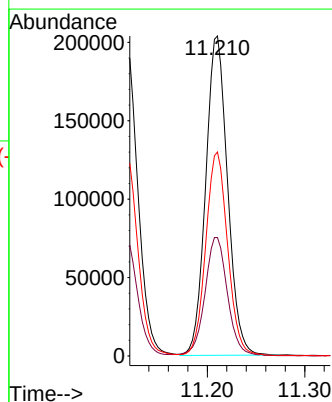
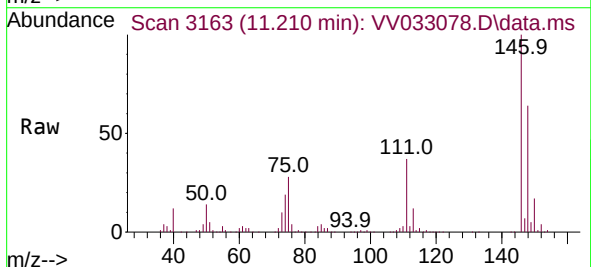
Tgt Ion:146 Resp: 317253

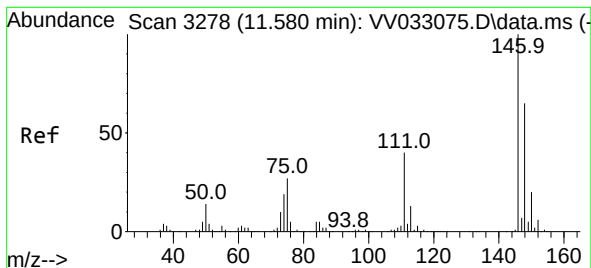
Ion Ratio Lower Upper

146 100

111 37.0 25.9 48.1

148 63.8 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.783 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

ClientSampleId :

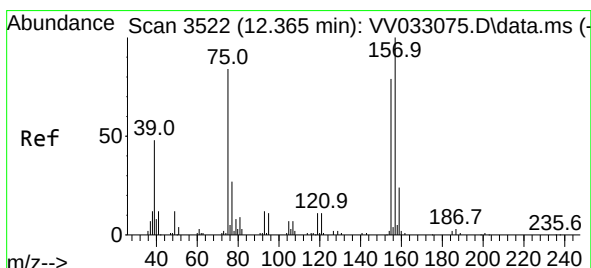
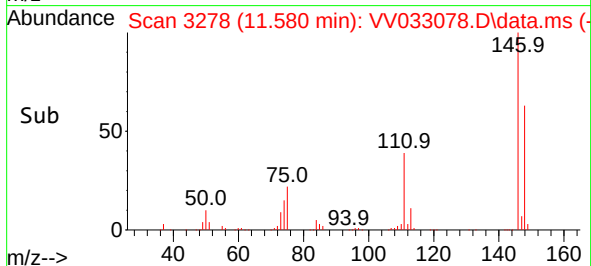
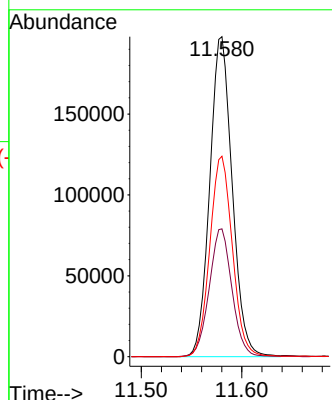
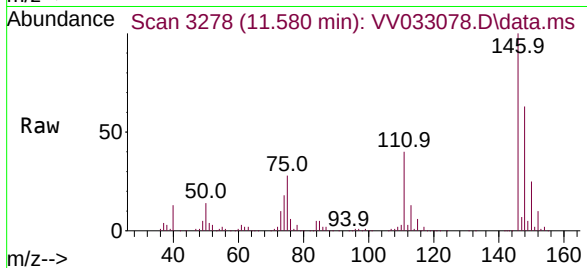
Tgt Ion:146 Resp: 306979

Ion Ratio Lower Upper

146 100

111 39.9 32.4 48.6

148 62.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.843 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

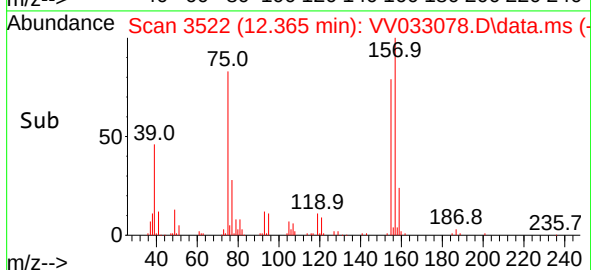
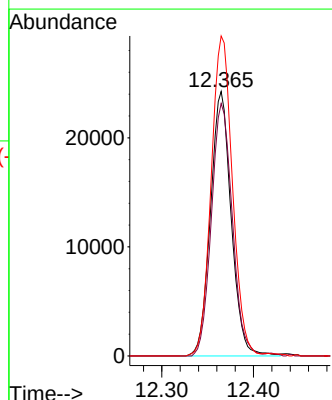
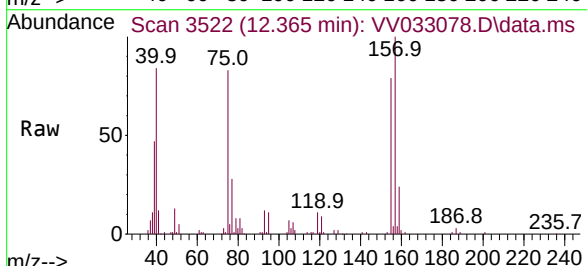
Tgt Ion: 75 Resp: 38173

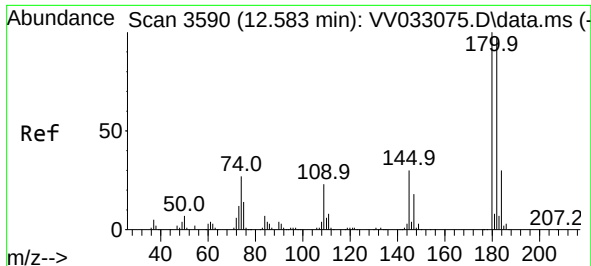
Ion Ratio Lower Upper

75 100

155 95.4 75.8 113.6

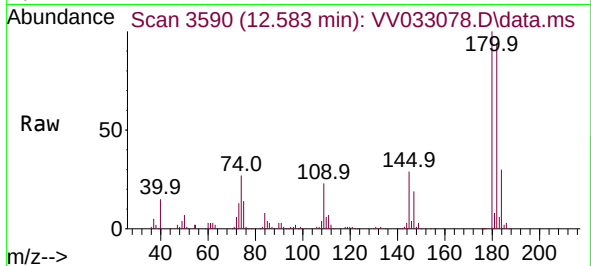
157 121.0 95.4 143.0



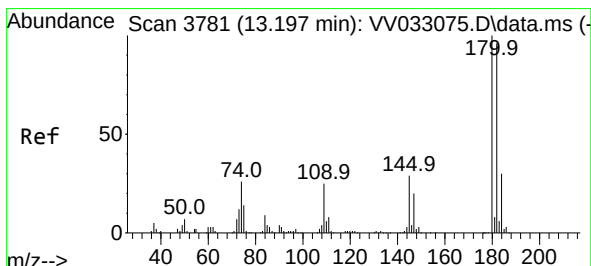
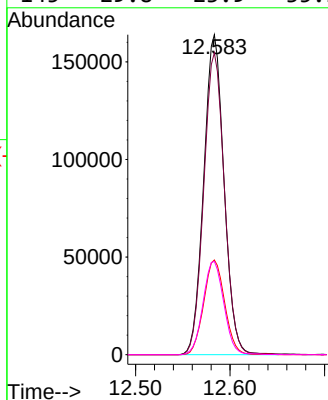
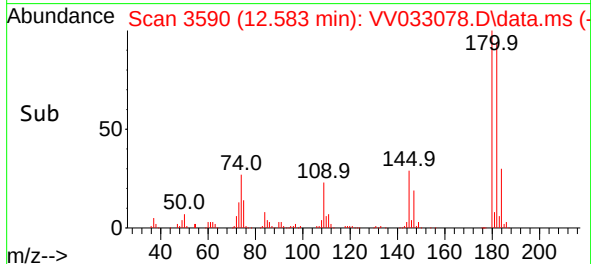


#69
1,3,5-Trichlorobenzene
Concen: 49.524 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57

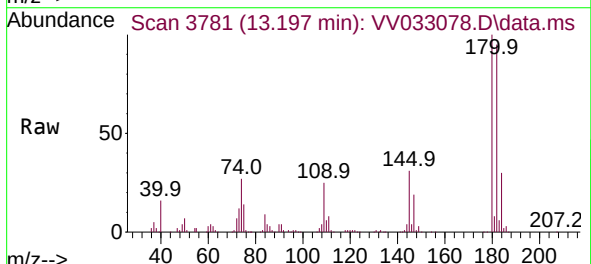
Instrument :
MSVOA_V
ClientSampleId :



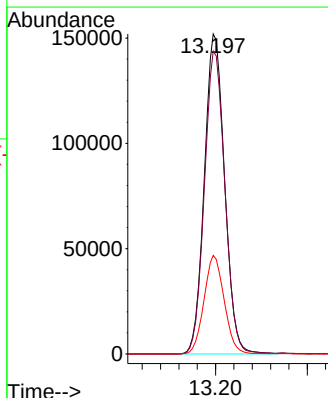
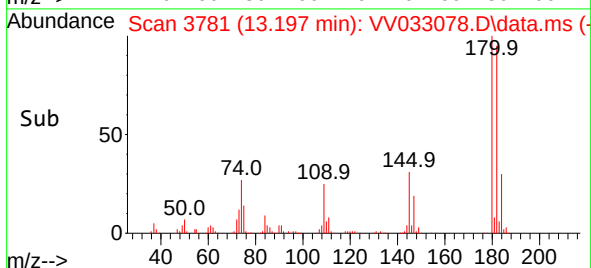
Tgt Ion:180 Resp: 244599
Ion Ratio Lower Upper
180 100
182 96.1 76.2 114.4
184 30.5 24.2 36.4
145 29.8 23.9 35.9

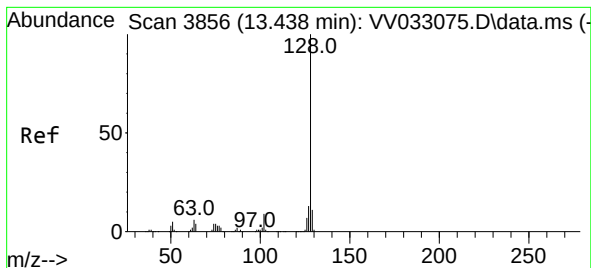


#70
1,2,4-trichlorobenzene
Concen: 51.154 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV033078.D
Acq: 01 Dec 2023 14:57



Tgt Ion:180 Resp: 233423
Ion Ratio Lower Upper
180 100
182 95.4 76.3 114.5
145 30.6 23.4 35.0





#71

Naphthalene

Concen: 53.951 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Instrument :

MSVOA_V

ClientSampleId :

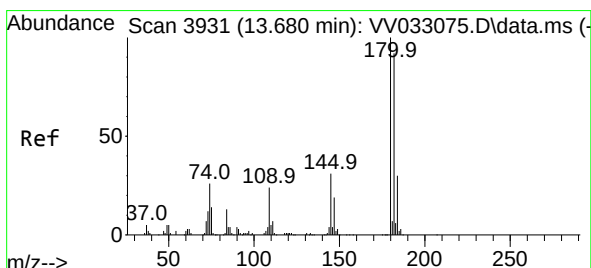
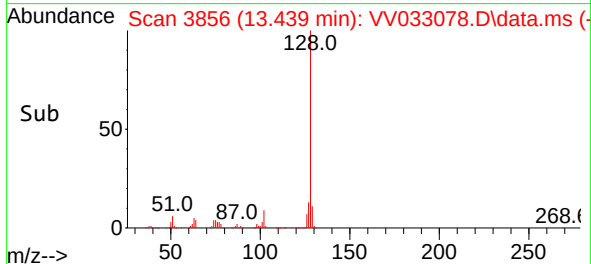
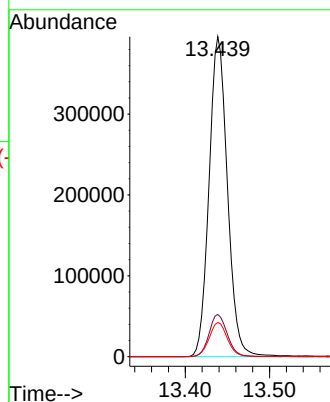
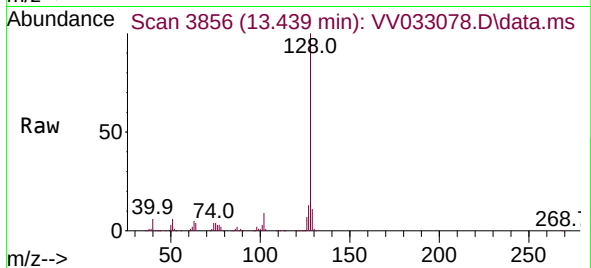
Tgt Ion:128 Resp: 600380

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.686 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033078.D

Acq: 01 Dec 2023 14:57

Tgt Ion:180 Resp: 231980

Ion Ratio Lower Upper

180 100

182 95.6 75.2 112.8

145 31.9 24.9 37.3

