

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072623\
 Data File : VW031755.D
 Acq On : 26 Jul 2023 08:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 27 05:12:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 26 02:25:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	340591	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	362185	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	224999	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	156274	45.008	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.020%		
7) Chloroethane-d5	1.529	69	142546	44.799	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.600%		
11) 1,1-Dichloroethene-d2	2.060	65	64579	40.182	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.360%		
21) 2-Butanone-d5	3.786	46	205253	85.431	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.430%		
24) Chloroform-d	4.253	84	329737	46.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.380%		
26) 1,2-Dichloroethane-d4	4.944	65	201983	45.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.960%		
32) Benzene-d6	4.963	84	534286	46.585	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.180%		
36) 1,2-Dichloropropane-d6	5.992	67	194542	45.157	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.320%		
41) Toluene-d8	7.246	98	466134	48.489	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.980%		
43) trans-1,3-Dichloroprop...	7.555	79	77575	41.893	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.780%		
47) 2-Hexanone-d5	8.027	63	136568	84.534	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.530%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	268396	45.216	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.440%		
66) 1,2-Dichlorobenzene-d4	11.564	152	197907	43.443	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	202670	48.149	ug/L	99
3) Chloromethane	1.217	50	195579	48.853	ug/L	99
5) Vinyl chloride	1.282	62	204297	50.378	ug/L	98
6) Bromomethane	1.484	94	138724	49.631	ug/L	97
8) Chloroethane	1.548	64	131656	48.642	ug/L	99
9) Trichlorofluoromethane	1.712	101	332094	48.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	189214	47.914	ug/L	98
12) 1,1-Dichloroethene	2.069	96	157828	48.087	ug/L	95
13) Acetone	2.111	43	154482	67.176	ug/L	97
14) Carbon disulfide	2.243	76	381842	47.328	ug/L	100
15) Methyl Acetate	2.372	43	212003	52.939	ug/L	98
16) Methylene chloride	2.449	84	177796	48.217	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	141373	48.421	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	467236	48.645	ug/L	99
19) 1,1-Dichloroethane	3.114	63	321717	47.601	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	159358	48.331	ug/L	98
22) 2-Butanone	3.867	43	213116	81.477	ug/L	98
23) Bromochloromethane	4.153	128	88045	48.226	ug/L	94
25) Chloroform	4.278	83	348348	48.658	ug/L	99

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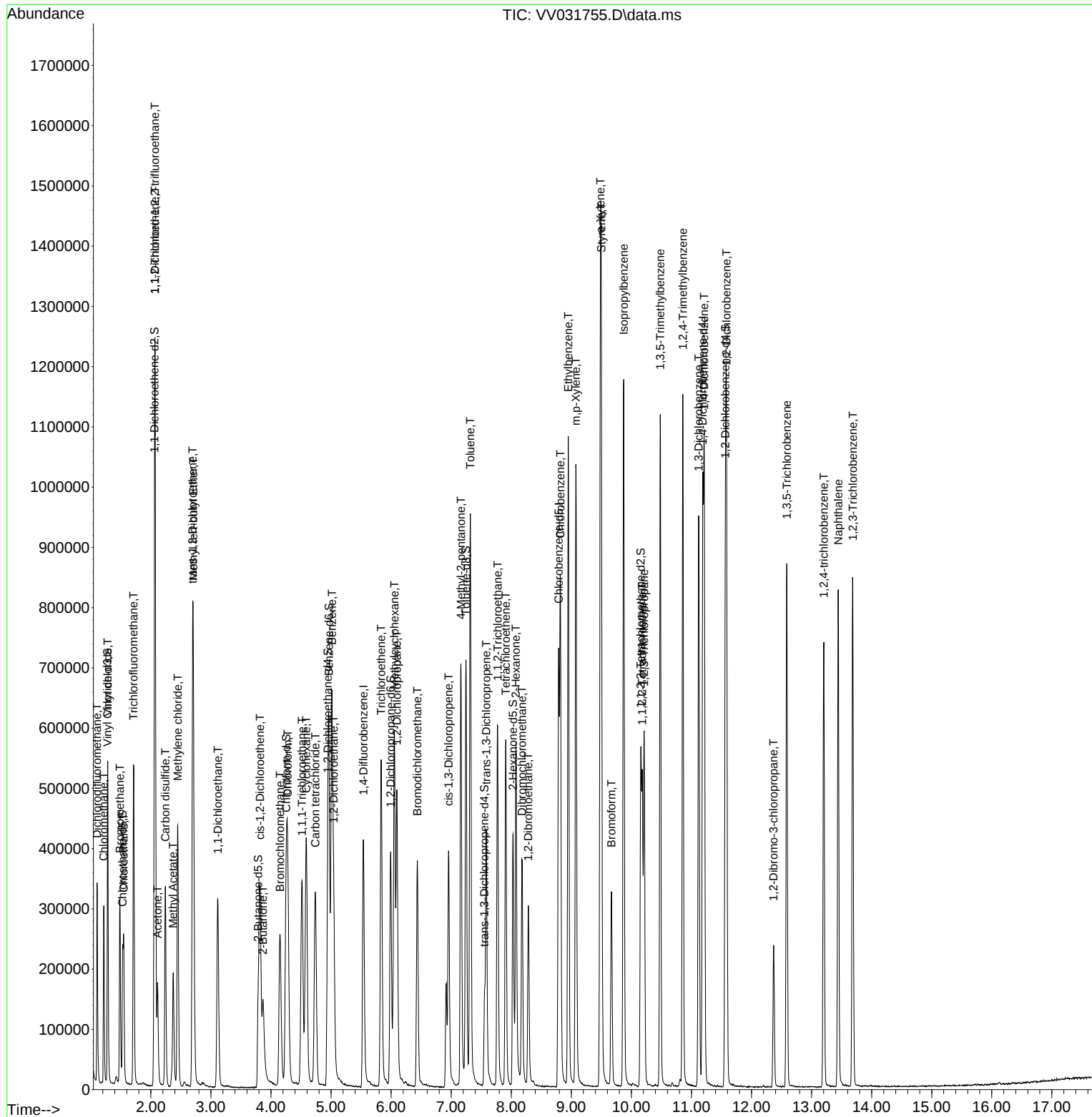
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
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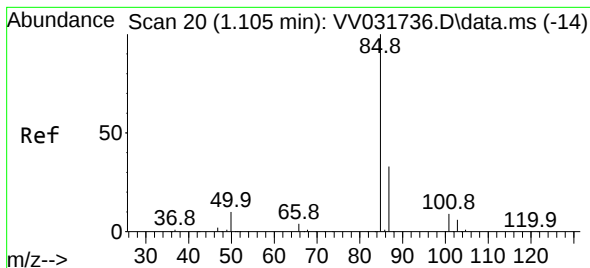
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	261271	49.069	ug/L	97
29) Cyclohexane	4.587	56	205287	46.033	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	293802	47.223	ug/L	98
31) Carbon tetrachloride	4.738	117	254978	46.938	ug/L	99
33) Benzene	5.015	78	649387	50.975	ug/L	100
34) Trichloroethene	5.834	95	194155	48.297	ug/L	94
35) Methylcyclohexane	6.056	83	211035	47.196	ug/L	99
37) 1,2-Dichloropropane	6.095	63	191063	50.488	ug/L	98
38) Bromodichloromethane	6.436	83	265009	49.092	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	236821	44.081	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	484648	100.554	ug/L	96
42) Toluene	7.320	91	700654	53.553	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	251773	46.961	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	188399	49.338	ug/L	97
46) Tetrachloroethene	7.908	164	122928	48.396	ug/L	97
48) 2-Hexanone	8.079	43	358744	93.314	ug/L	95
49) Dibromochloromethane	8.182	129	196835	48.848	ug/L	98
50) 1,2-Dibromoethane	8.284	107	196628	48.878	ug/L	97
51) Chlorobenzene	8.818	112	428200	48.982	ug/L	100
52) Ethylbenzene	8.950	91	721870	50.913	ug/L	97
53) m,p-Xylene	9.079	106	272110	53.219	ug/L	96
54) o-Xylene	9.484	106	250098	51.036	ug/L	98
55) Styrene	9.500	104	497839	55.614	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	249215	47.066	ug/L #	94
59) Bromoform	9.667	173	141320	45.809	ug/L #	95
60) Isopropylbenzene	9.873	105	704751	50.189	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	237977	45.092	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	554617	48.815	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	573113	49.829	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	359953	49.038	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	382879	49.068	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	366904	48.546	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.368	75	63714	43.405	ug/L	96
69) 1,3,5-Trichlorobenzene	12.587	180	243379	45.461	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	210955	44.044	ug/L	100
71) Naphthalene	13.445	128	609379	44.138	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	238592	47.655	ug/L	99

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

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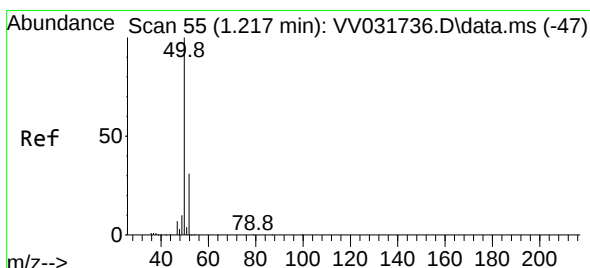
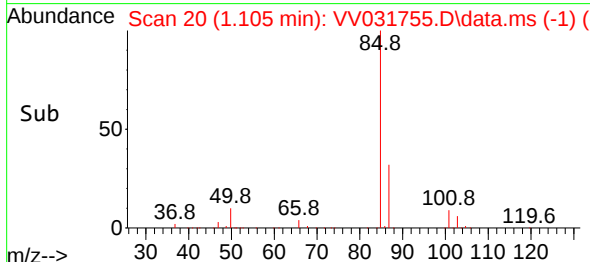
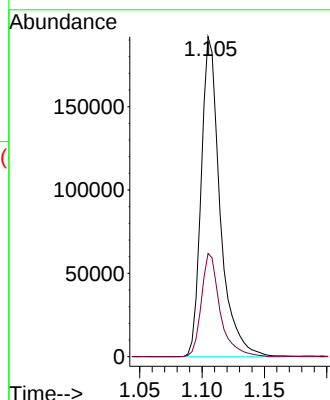
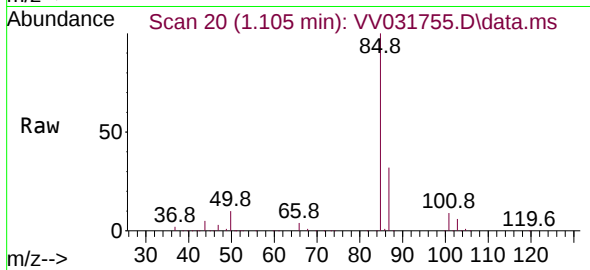




#2
 Dichlorodifluoromethane
 Concen: 48.149 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031755.D
 Acq: 26 Jul 2023 08:57

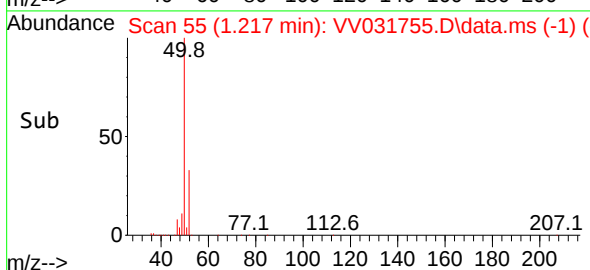
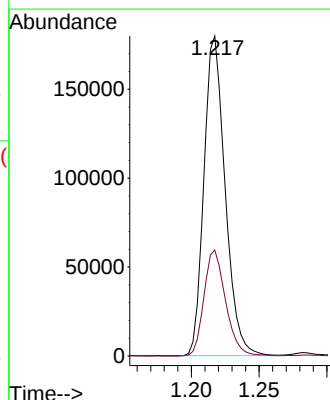
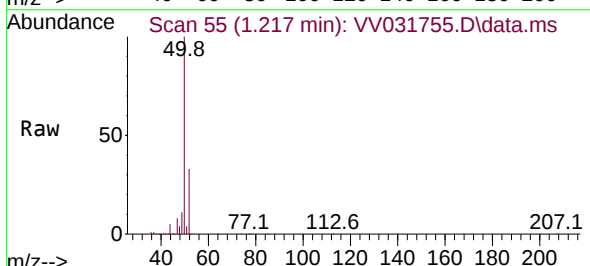
Instrument :
 MSVOA_V
 ClientSampleId :

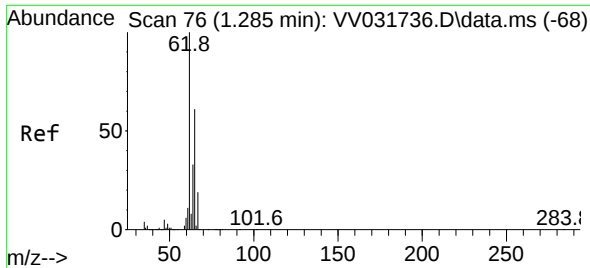
Tgt Ion: 85 Resp: 202670
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.6



#3
 Chloromethane
 Concen: 48.853 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031755.D
 Acq: 26 Jul 2023 08:57

Tgt Ion: 50 Resp: 195579
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.7 44.1

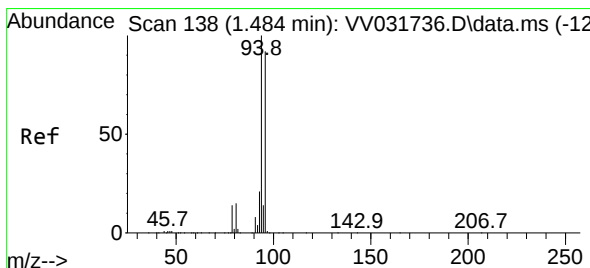
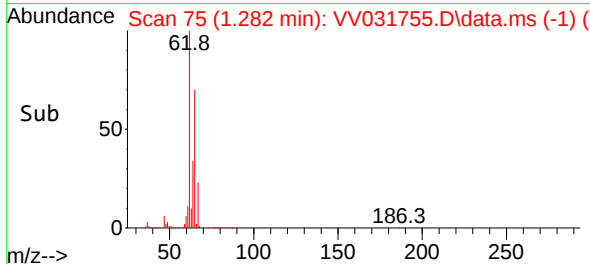
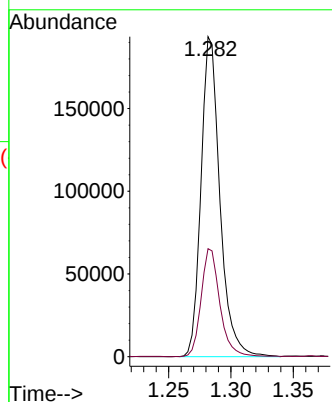
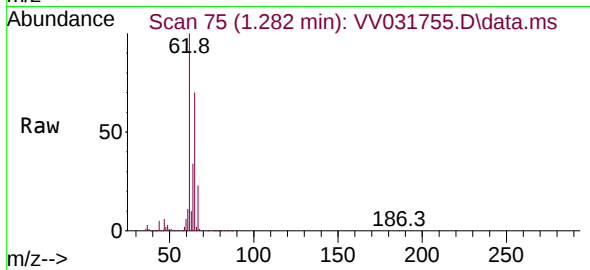




#5
 Vinyl chloride
 Concen: 50.378 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV031755.D
 Acq: 26 Jul 2023 08:57

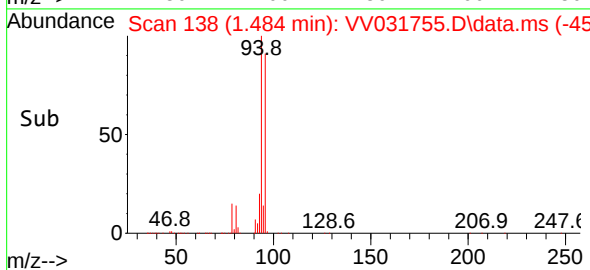
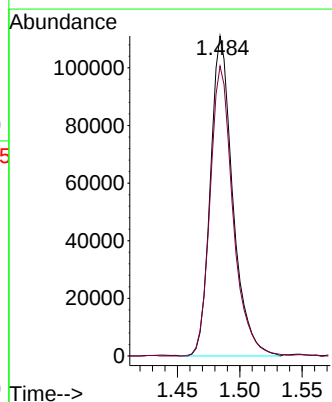
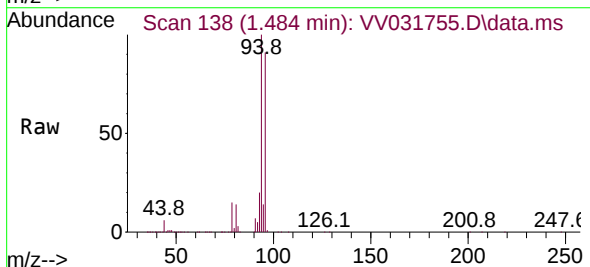
Instrument :
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 ClientSampleId :

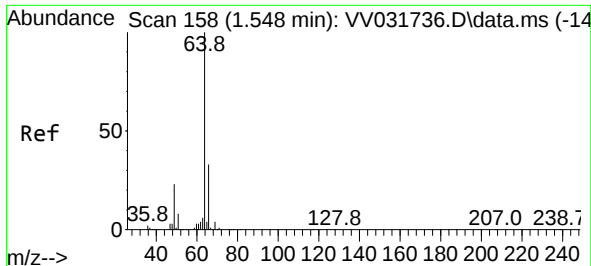
Tgt Ion: 62 Resp: 204297
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.9 42.5



#6
 Bromomethane
 Concen: 49.631 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV031755.D
 Acq: 26 Jul 2023 08:57

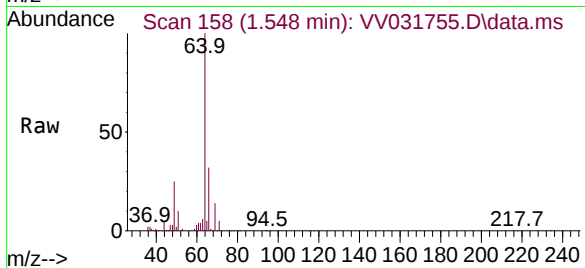
Tgt Ion: 94 Resp: 138724
 Ion Ratio Lower Upper
 94 100
 96 90.6 65.7 121.9



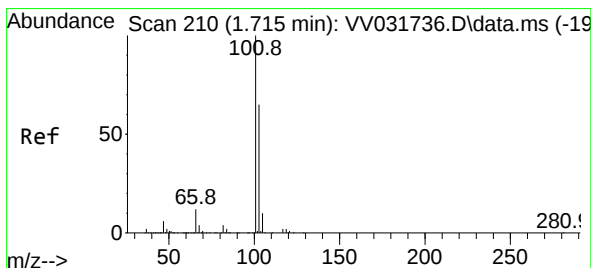
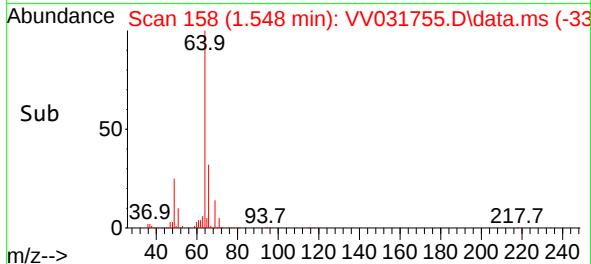
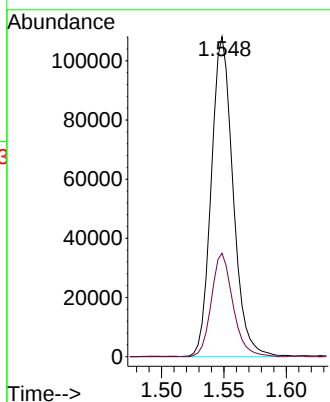


#8
Chloroethane
Concen: 48.642 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Instrument :
MSVOA_V
ClientSampleId :

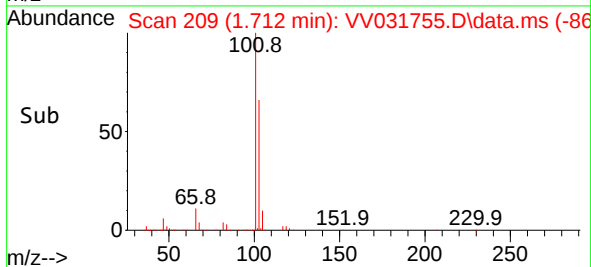
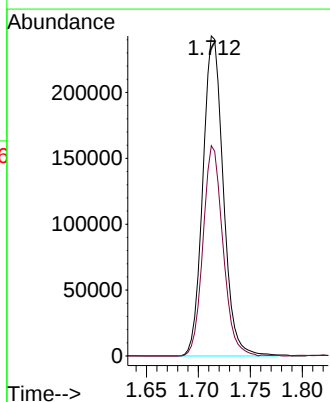
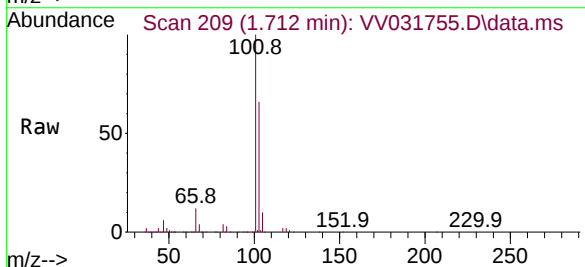


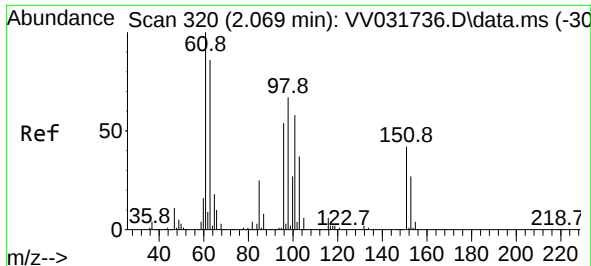
Tgt Ion: 64 Resp: 131656
Ion Ratio Lower Upper
64 100
66 32.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 48.578 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion: 101 Resp: 332094
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5





#10

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

Concen: 47.914 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

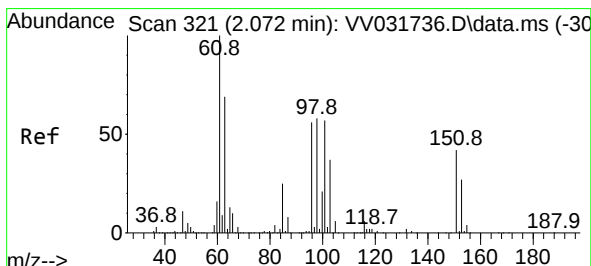
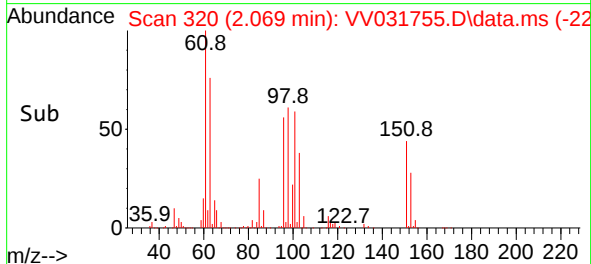
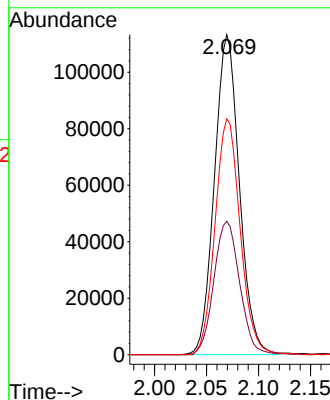
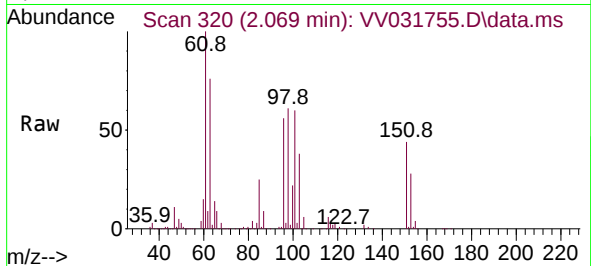
Tgt Ion:101 Resp: 189214

Ion Ratio Lower Upper

101 100

85 43.2 33.9 50.9

151 74.4 61.0 91.6



#12

1,1-Dichloroethene

Concen: 48.087 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

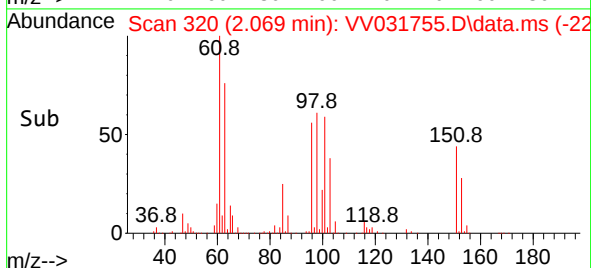
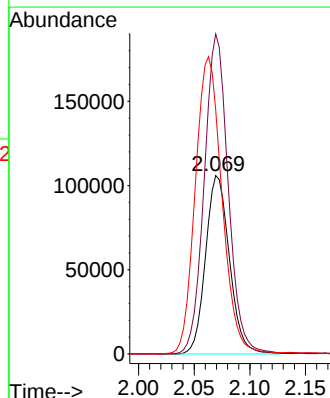
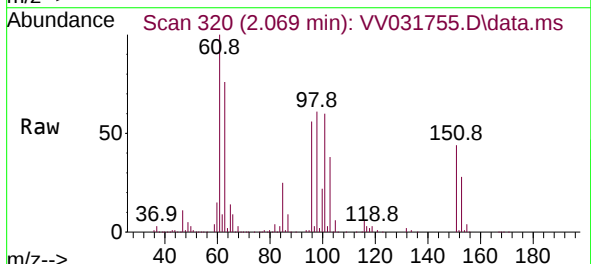
Tgt Ion: 96 Resp: 157828

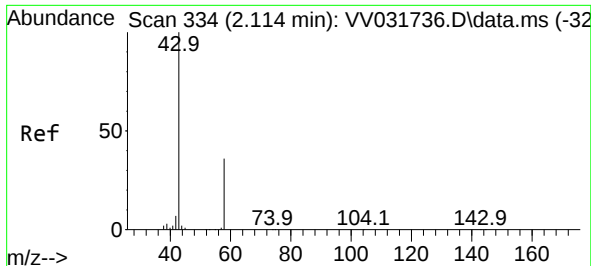
Ion Ratio Lower Upper

96 100

61 179.4 118.3 219.7

63 136.8 96.8 179.8





#13

Acetone

Concen: 67.176 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

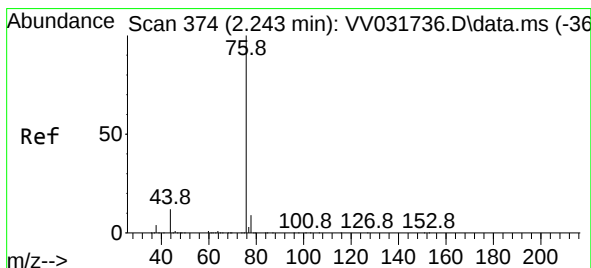
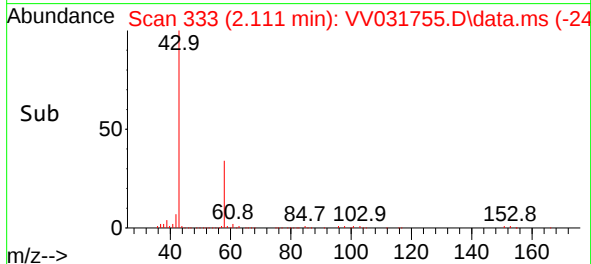
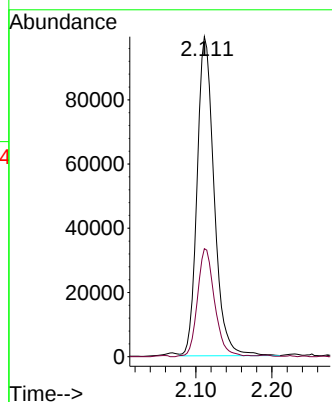
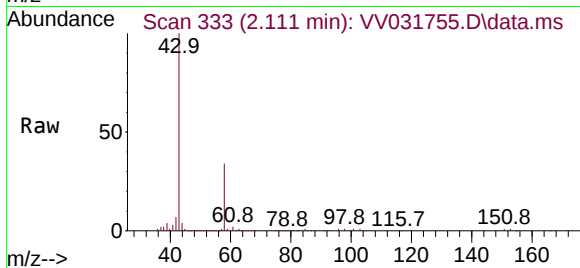
ClientSampleId :

Tgt Ion: 43 Resp: 154482

Ion Ratio Lower Upper

43 100

58 34.1 0.0 72.0



#14

Carbon disulfide

Concen: 47.328 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031755.D

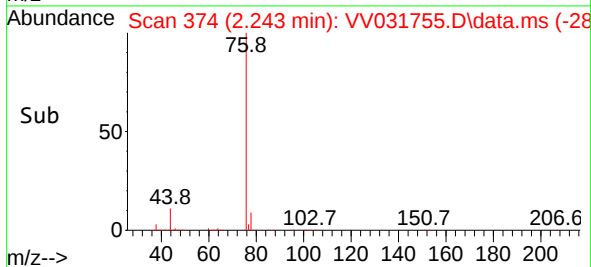
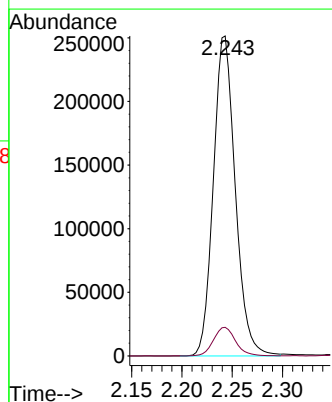
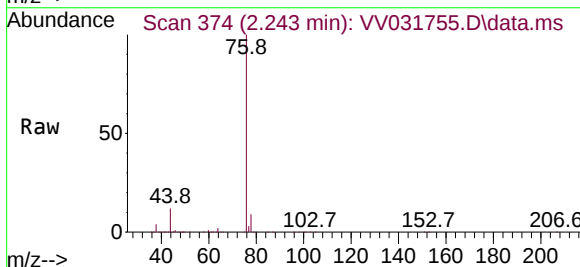
Acq: 26 Jul 2023 08:57

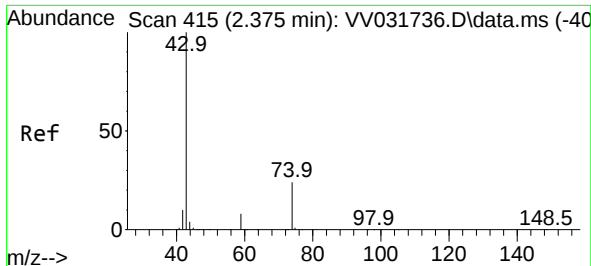
Tgt Ion: 76 Resp: 381842

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

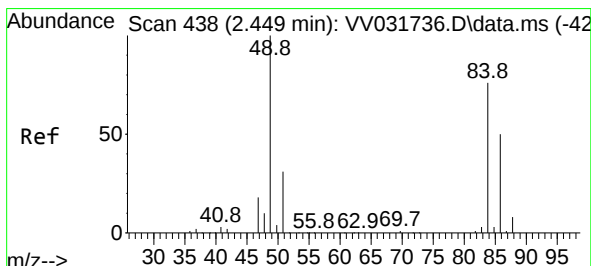
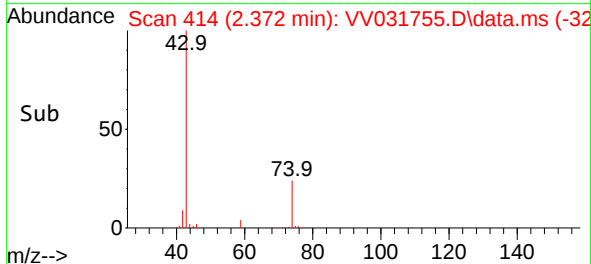
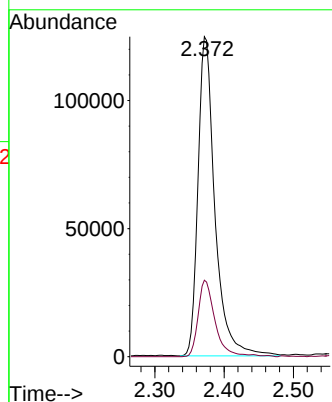
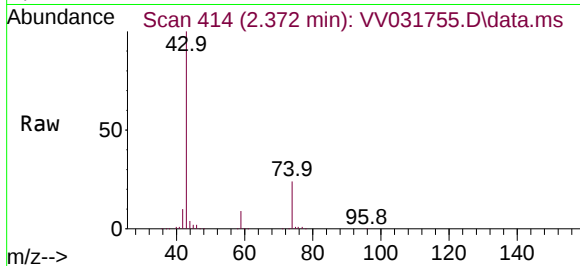




#15
Methyl Acetate
Concen: 52.939 ug/L
RT: 2.372 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

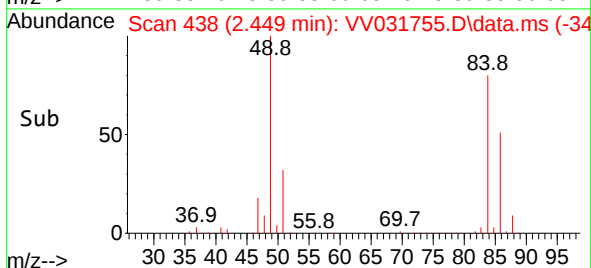
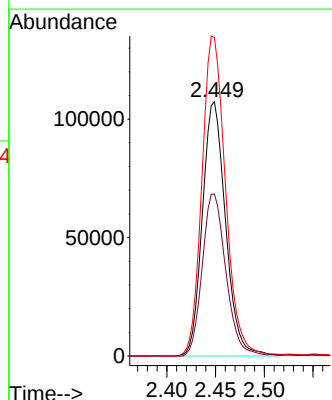
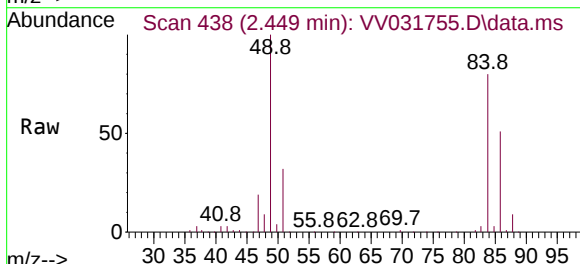
Instrument :
MSVOA_V
ClientSampleId :

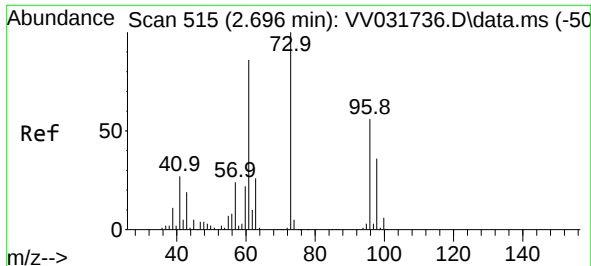
Tgt Ion: 43 Resp: 212003
Ion Ratio Lower Upper
43 100
74 23.6 19.5 29.3



#16
Methylene chloride
Concen: 48.217 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion: 84 Resp: 177796
Ion Ratio Lower Upper
84 100
86 63.8 44.5 82.7
49 125.3 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 48.421 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

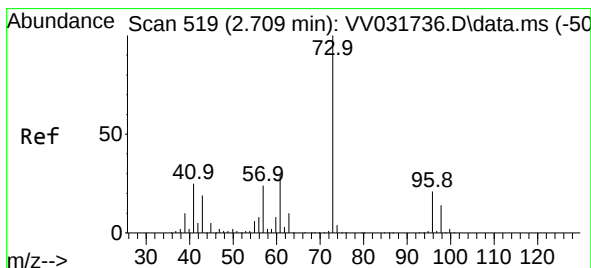
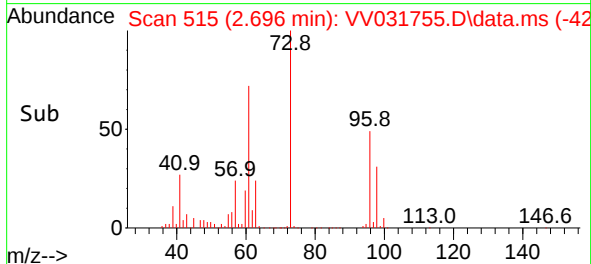
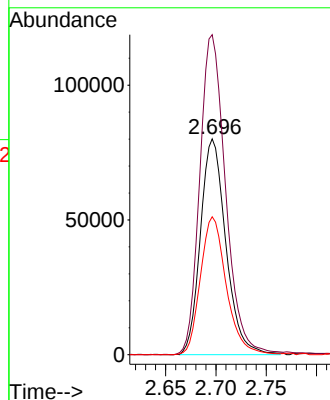
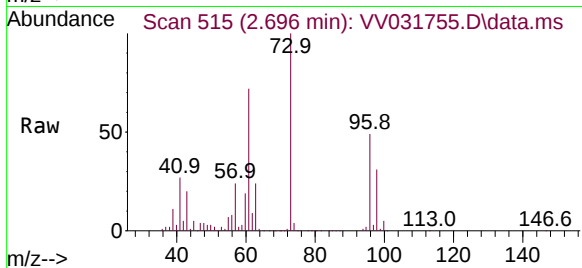
Tgt Ion: 96 Resp: 141373

Ion Ratio Lower Upper

96 100

61 148.2 101.6 188.6

98 63.9 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 48.645 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

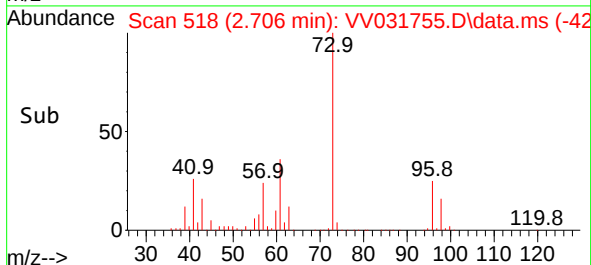
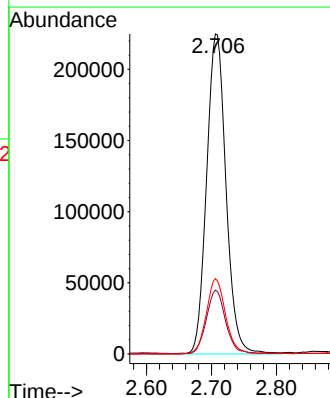
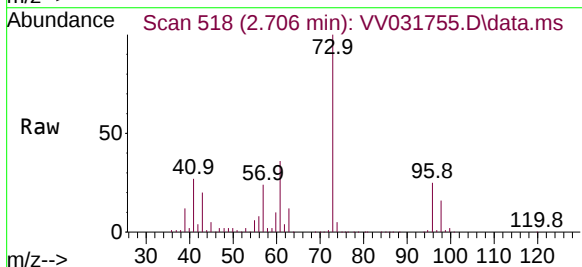
Tgt Ion: 73 Resp: 467236

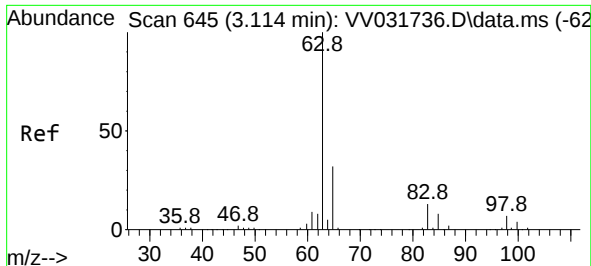
Ion Ratio Lower Upper

73 100

43 19.5 15.0 22.4

57 23.2 18.3 27.5





#19

1,1-Dichloroethane

Concen: 47.601 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

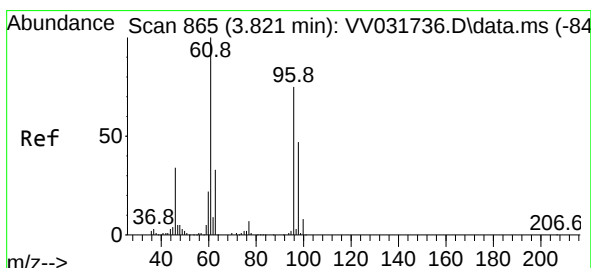
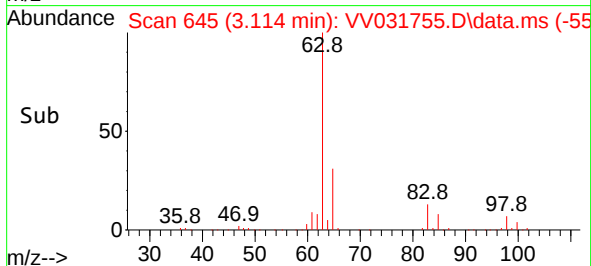
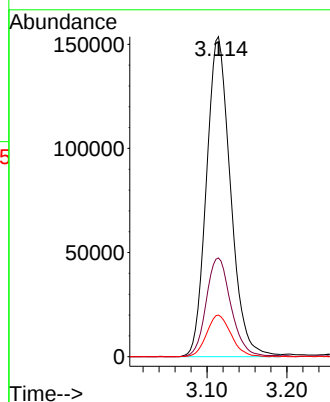
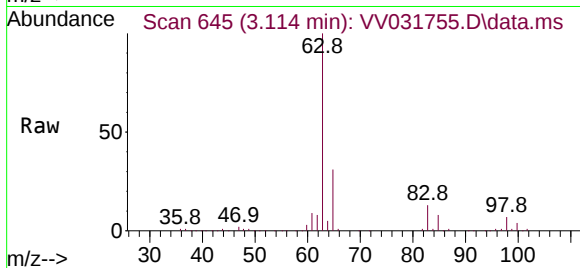
Tgt Ion: 63 Resp: 321717

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 13.0 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 48.331 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

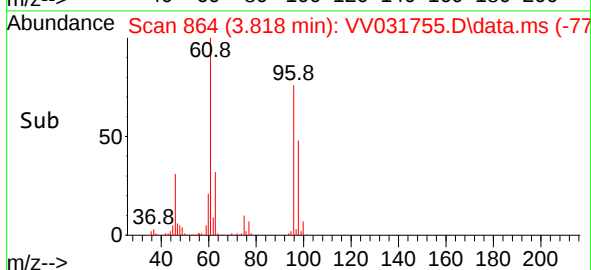
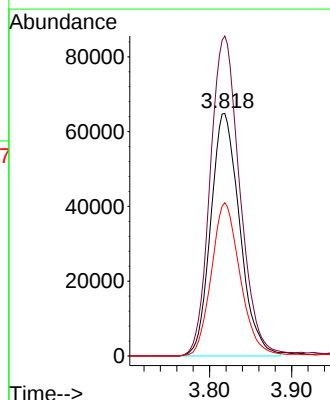
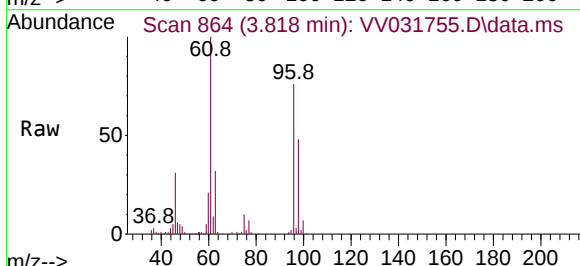
Tgt Ion: 96 Resp: 159358

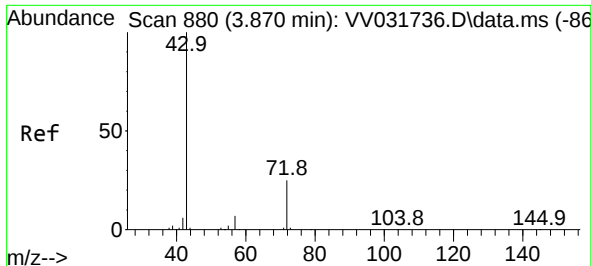
Ion Ratio Lower Upper

96 100

61 131.9 90.6 168.2

98 63.2 43.8 81.3





#22

2-Butanone

Concen: 81.477 ug/L

RT: 3.867 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

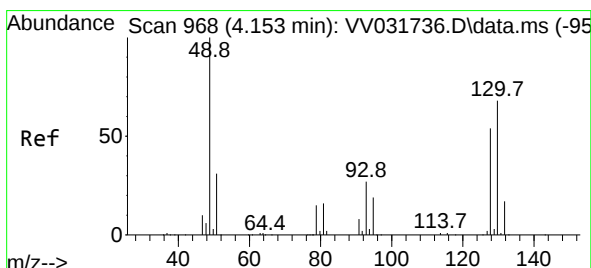
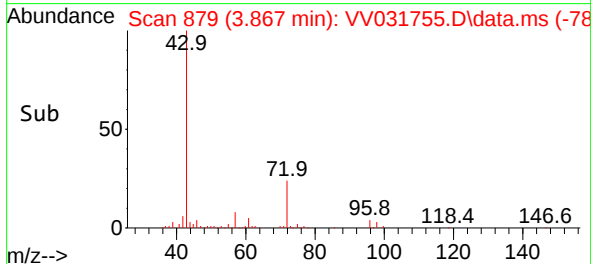
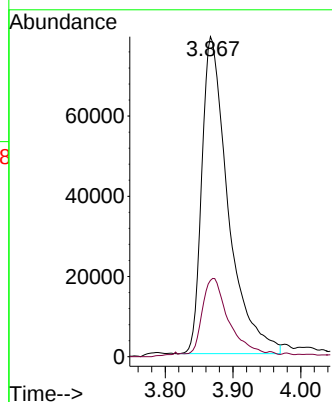
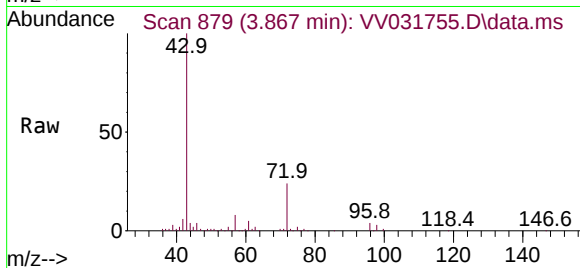
ClientSampleId :

Tgt Ion: 43 Resp: 213116

Ion Ratio Lower Upper

43 100

72 24.4 12.7 38.0



#23

Bromochloromethane

Concen: 48.226 ug/L

RT: 4.153 min Scan# 968

Delta R.T. -0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Tgt Ion: 128 Resp: 88045

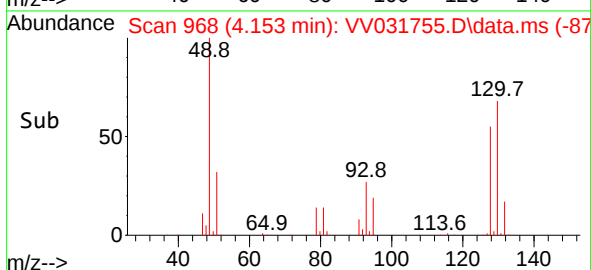
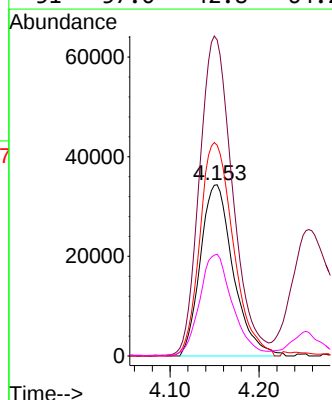
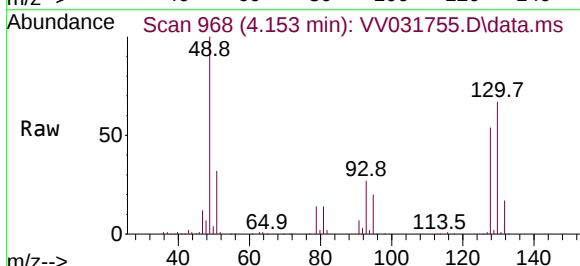
Ion Ratio Lower Upper

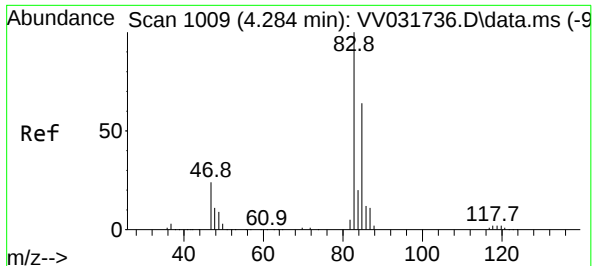
128 100

49 176.9 117.9 218.9

130 120.4 89.1 165.5

51 57.0 42.8 64.2





#25

Chloroform

Concen: 48.658 ug/L

RT: 4.278 min Scan# 1009

Delta R.T. -0.006 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

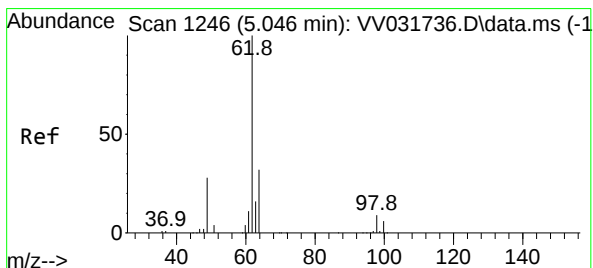
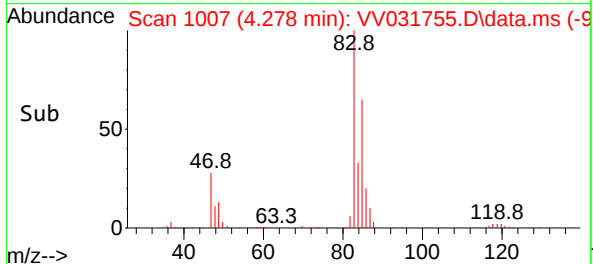
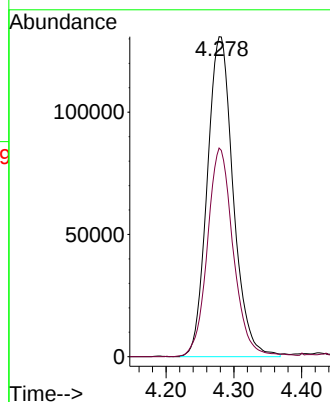
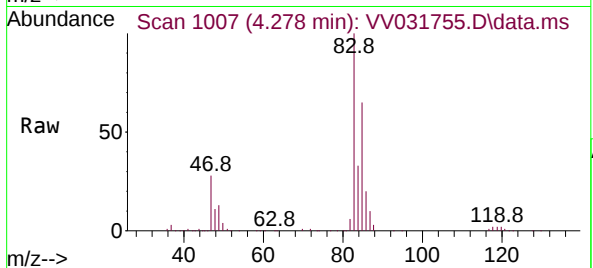
ClientSampleId :

Tgt Ion: 83 Resp: 348348

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9



#27

1,2-Dichloroethane

Concen: 49.069 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VV031755.D

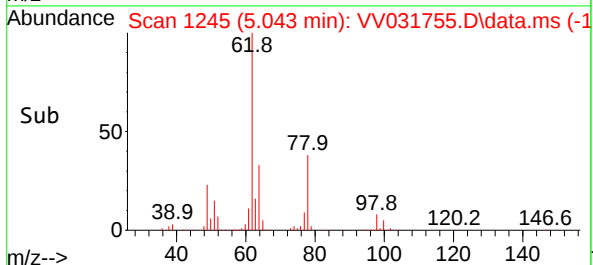
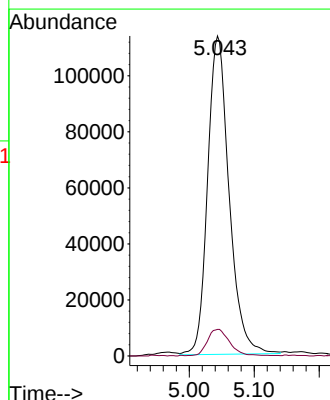
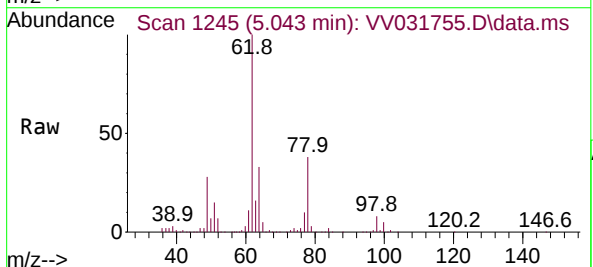
Acq: 26 Jul 2023 08:57

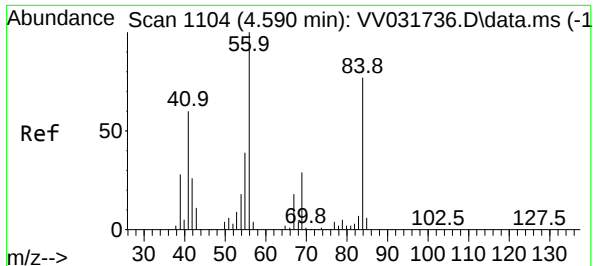
Tgt Ion: 62 Resp: 261271

Ion Ratio Lower Upper

62 100

98 8.3 7.5 11.3





#29

Cyclohexane

Concen: 46.033 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

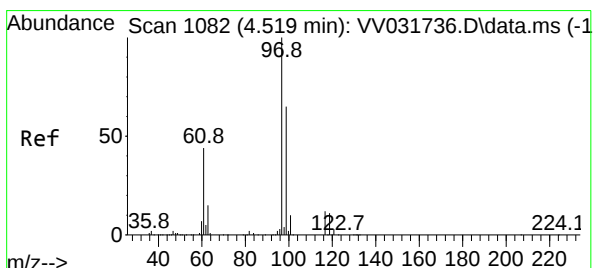
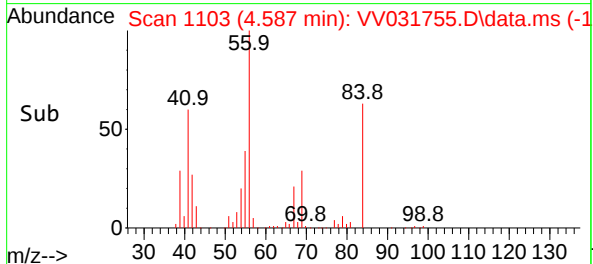
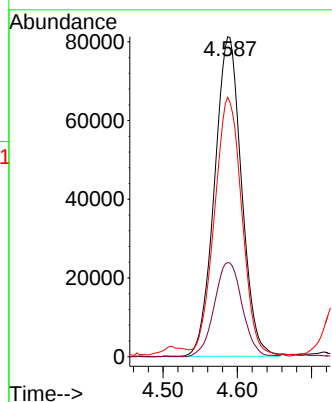
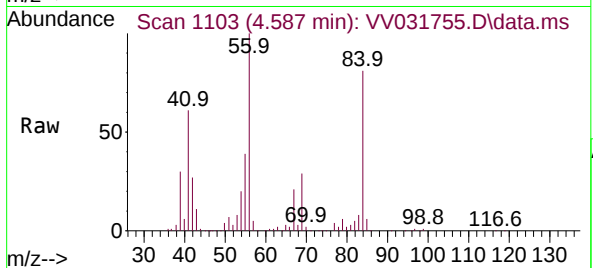
Tgt Ion: 56 Resp: 205287

Ion Ratio Lower Upper

56 100

69 30.4 24.1 36.1

84 80.8 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 47.223 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

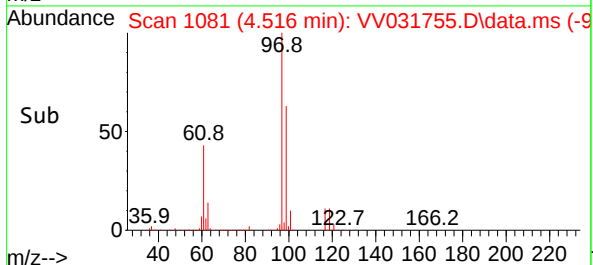
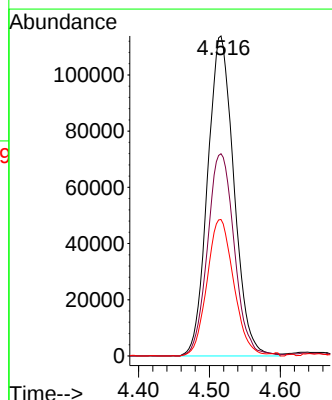
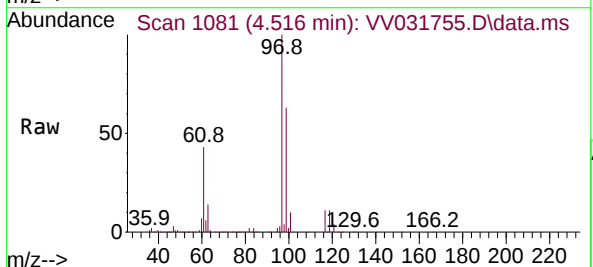
Tgt Ion: 97 Resp: 293802

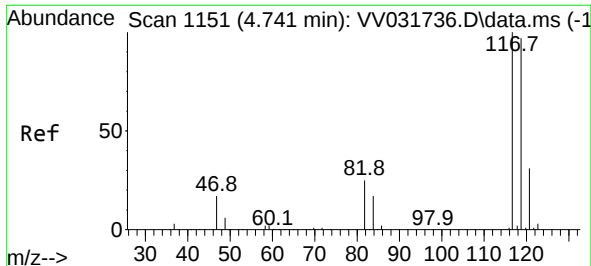
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 43.2 32.2 48.2

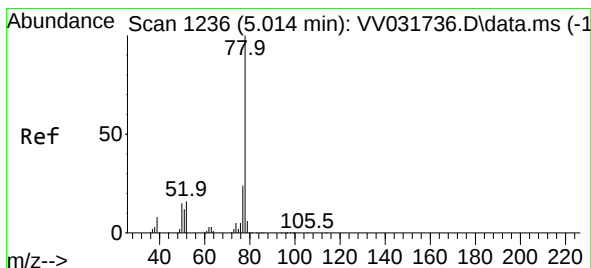
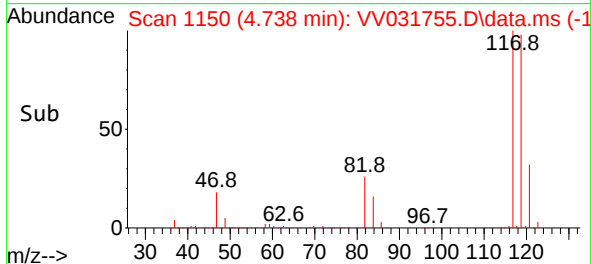
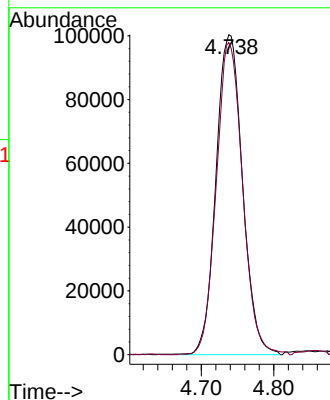
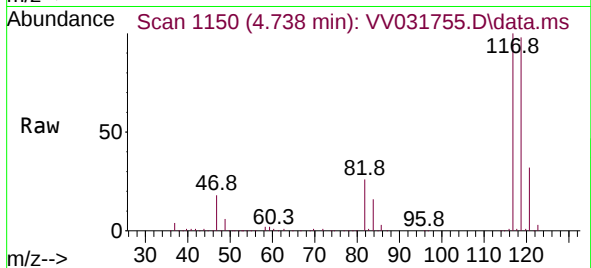




#31
Carbon tetrachloride
Concen: 46.938 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

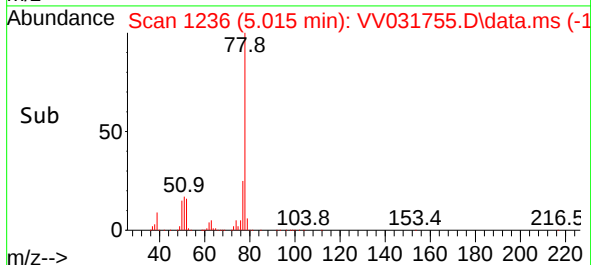
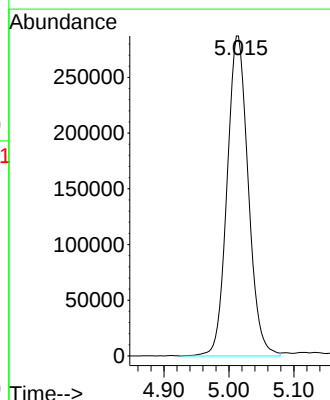
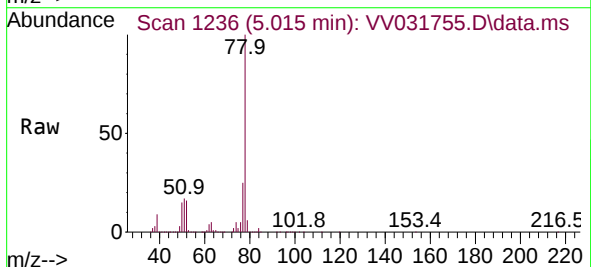
Instrument :
MSVOA_V
ClientSampleId :

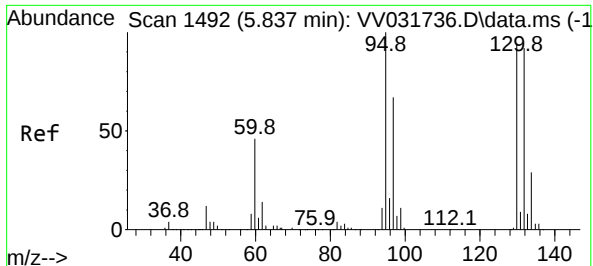
Tgt Ion:117 Resp: 254978
Ion Ratio Lower Upper
117 100
119 96.4 78.0 117.0



#33
Benzene
Concen: 50.975 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion: 78 Resp: 649387





#34

Trichloroethene

Concen: 48.297 ug/L

RT: 5.834 min Scan# 1492

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 194155

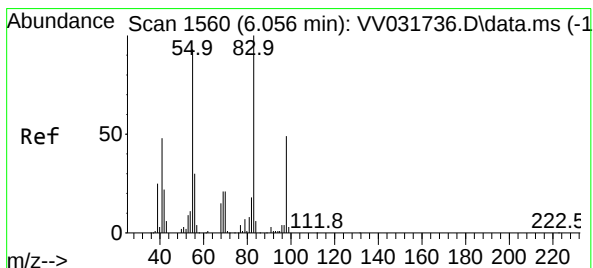
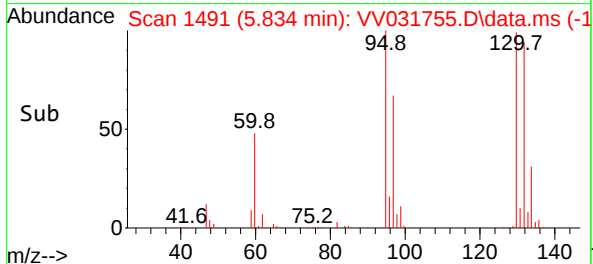
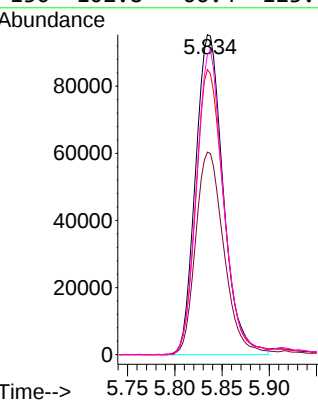
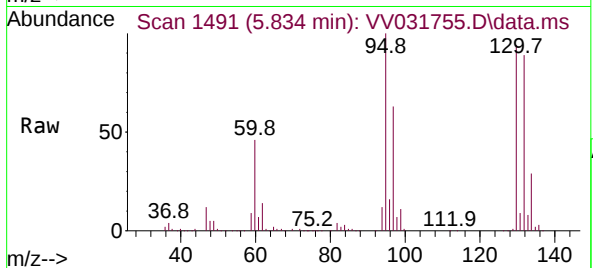
Ion Ratio Lower Upper

95 100

97 63.3 47.0 87.2

132 89.1 64.8 120.4

130 102.8 66.4 123.4



#35

Methylcyclohexane

Concen: 47.196 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

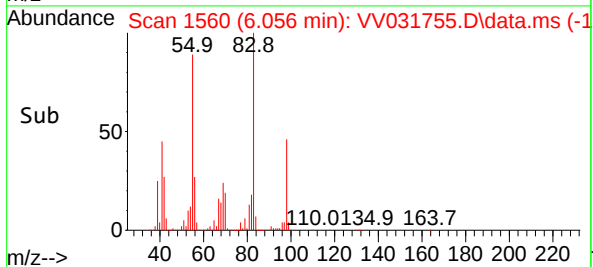
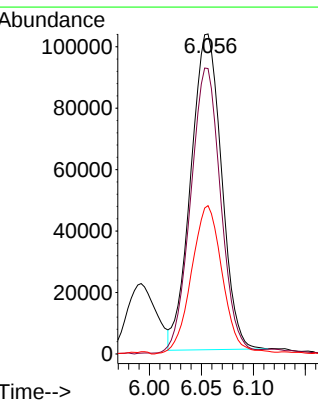
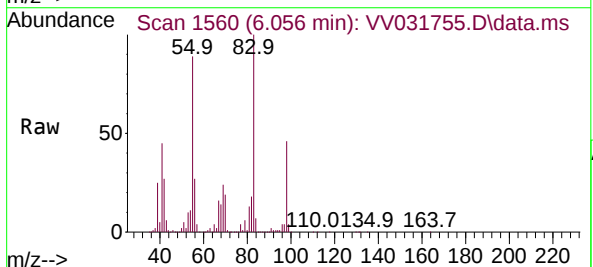
Tgt Ion: 83 Resp: 211035

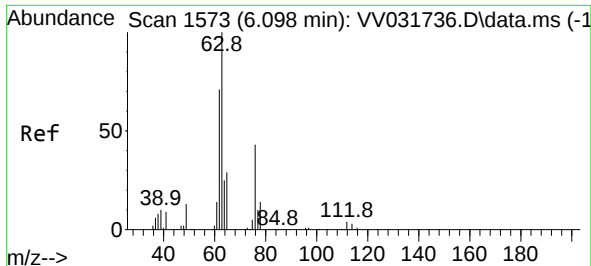
Ion Ratio Lower Upper

83 100

55 88.6 69.4 104.2

98 47.6 38.2 57.2





#37

1,2-Dichloropropane

Concen: 50.488 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

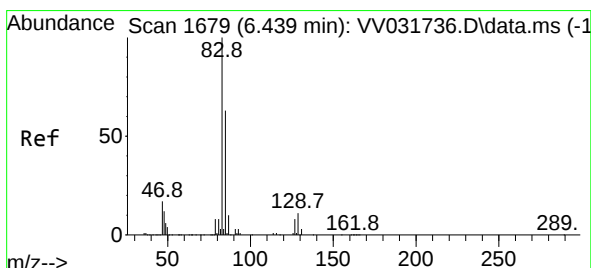
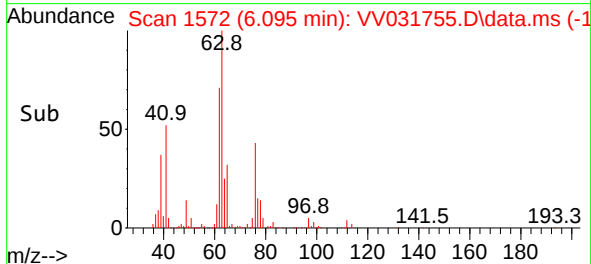
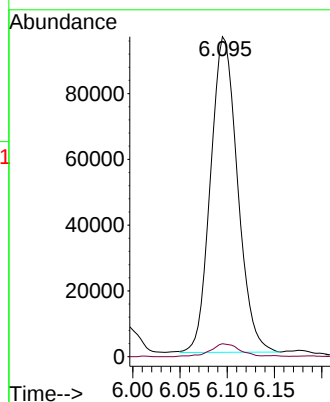
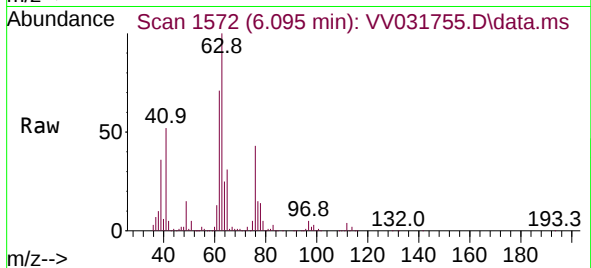
ClientSampleId :

Tgt Ion: 63 Resp: 191063

Ion Ratio Lower Upper

63 100

112 4.0 3.7 5.5



#38

Bromodichloromethane

Concen: 49.092 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

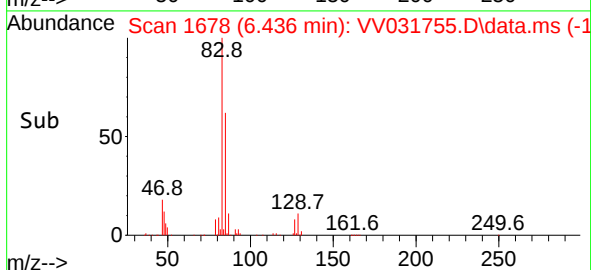
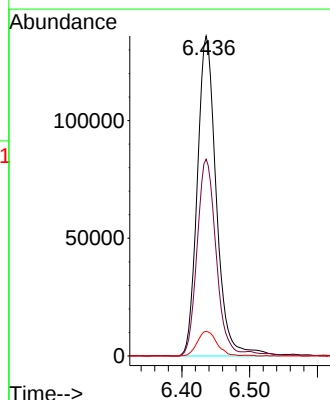
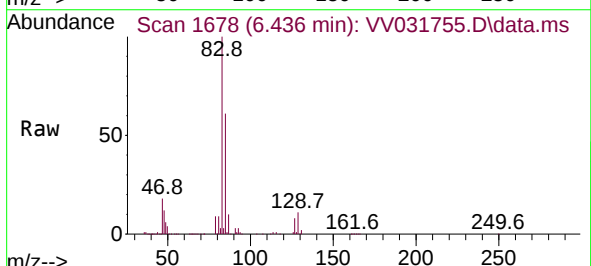
Tgt Ion: 83 Resp: 265009

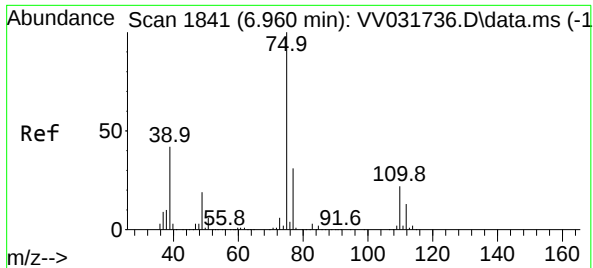
Ion Ratio Lower Upper

83 100

85 61.5 44.2 82.0

127 8.6 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 44.081 ug/L

RT: 6.957 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

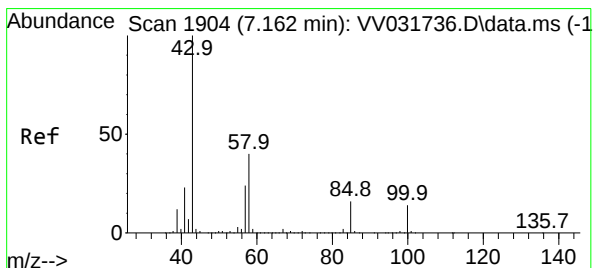
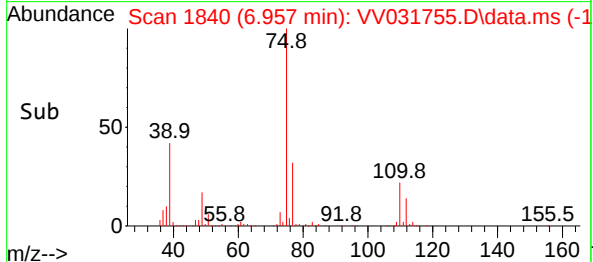
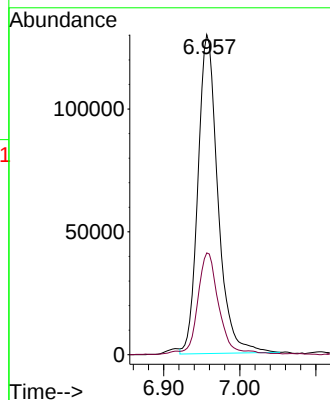
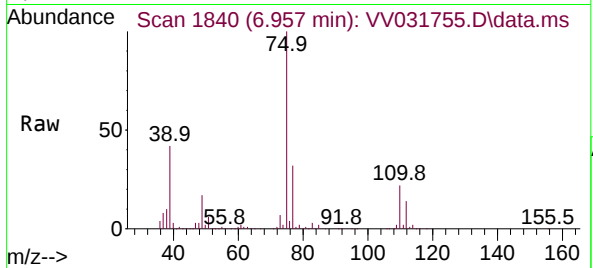
ClientSampleId :

Tgt Ion: 75 Resp: 236821

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 100.554 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

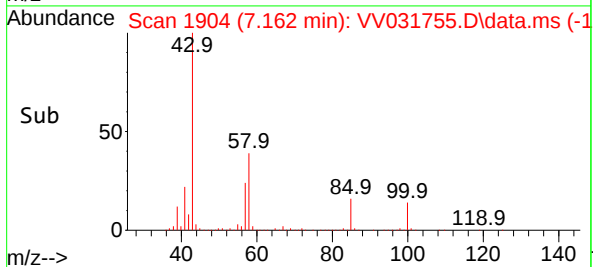
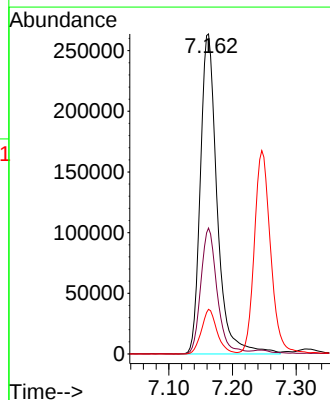
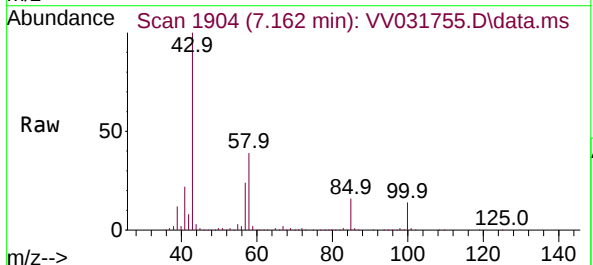
Tgt Ion: 43 Resp: 484648

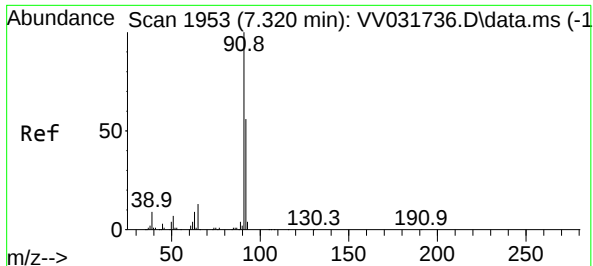
Ion Ratio Lower Upper

43 100

58 38.2 32.1 48.1

100 13.0 12.1 18.1





#42

Toluene

Concen: 53.553 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

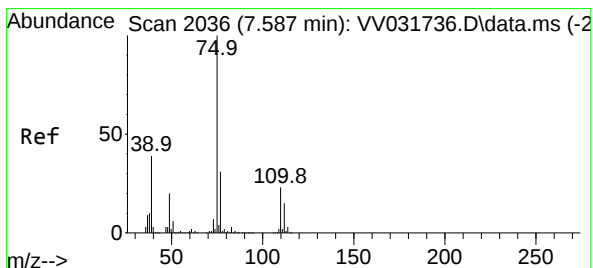
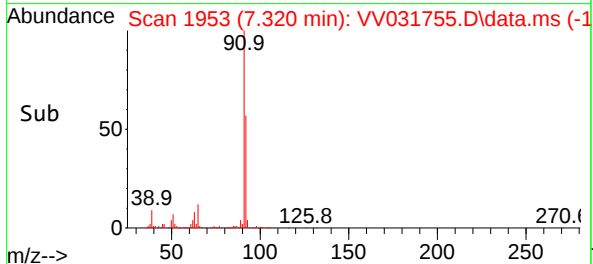
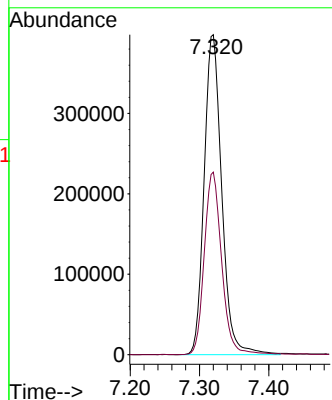
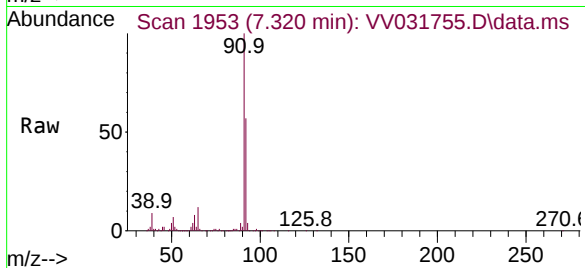
ClientSampleId :

Tgt Ion: 91 Resp: 700654

Ion Ratio Lower Upper

91 100

92 57.0 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 46.961 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV031755.D

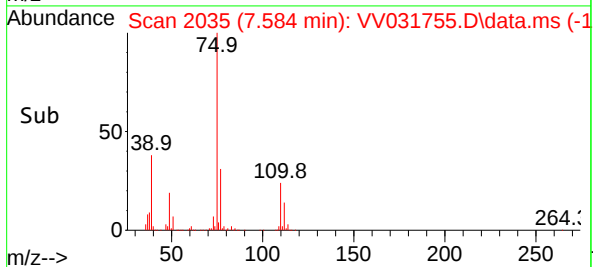
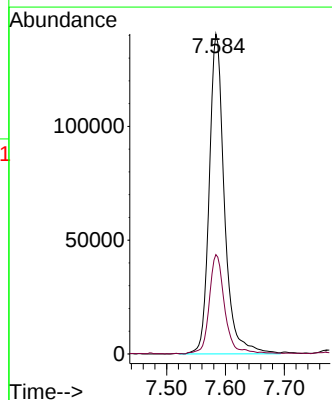
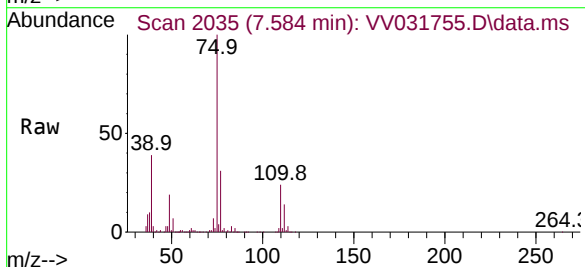
Acq: 26 Jul 2023 08:57

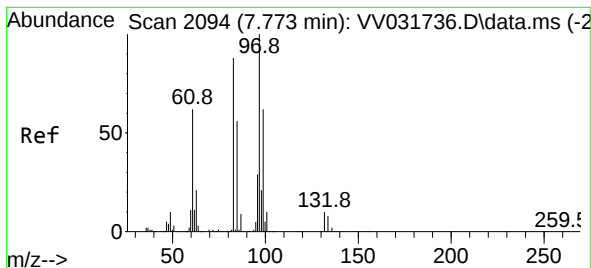
Tgt Ion: 75 Resp: 251773

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 49.338 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

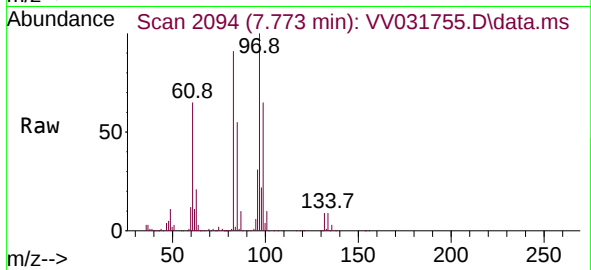
Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 188399

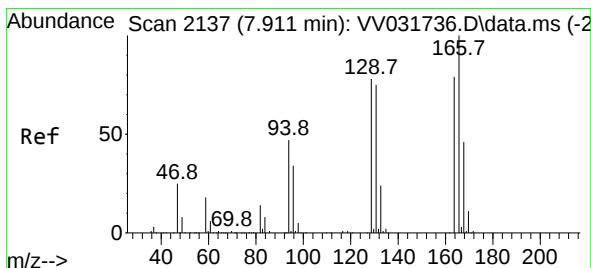
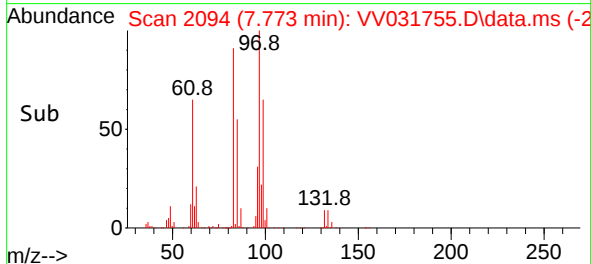
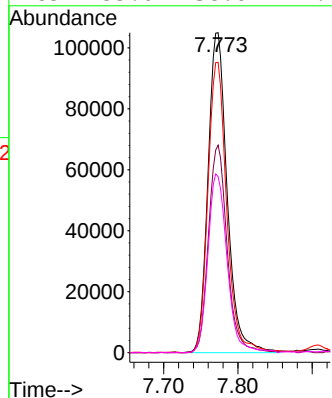
Ion Ratio Lower Upper

97 100

99 64.9 45.2 84.0

83 90.7 59.5 110.5

85 55.0 38.6 71.8



#46

Tetrachloroethene

Concen: 48.396 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Tgt Ion:164 Resp: 122928

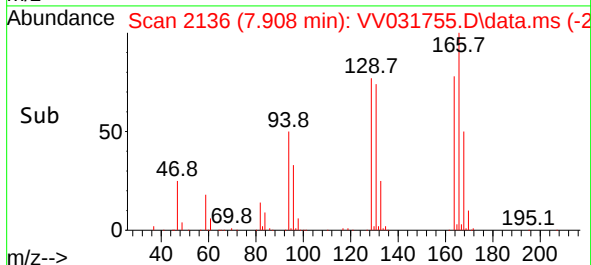
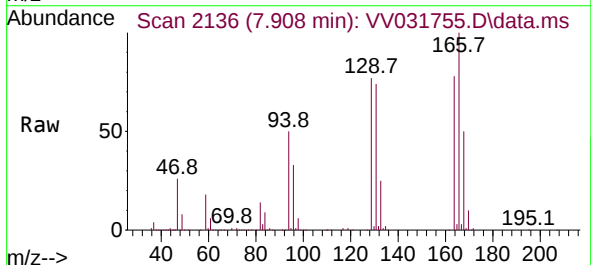
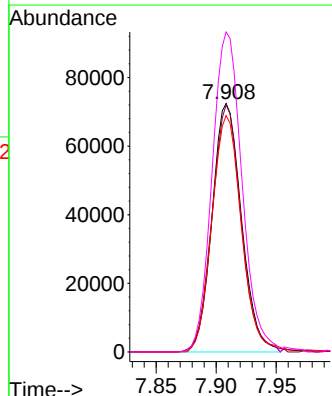
Ion Ratio Lower Upper

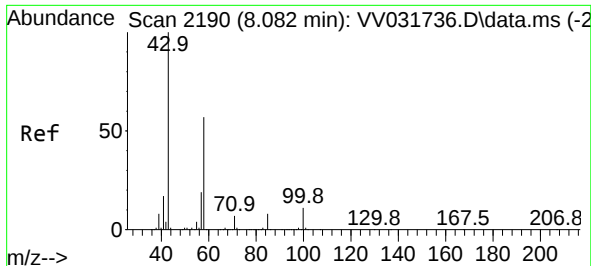
164 100

129 99.4 65.2 121.0

131 97.0 67.1 124.7

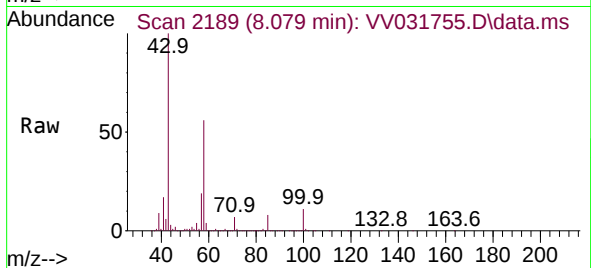
166 132.2 91.4 169.8



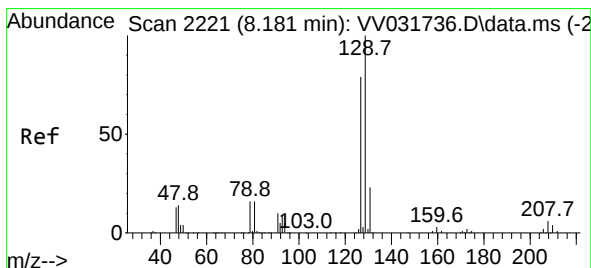
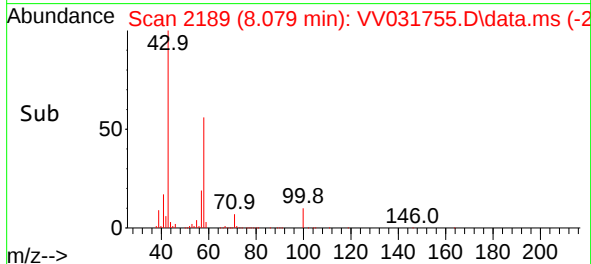
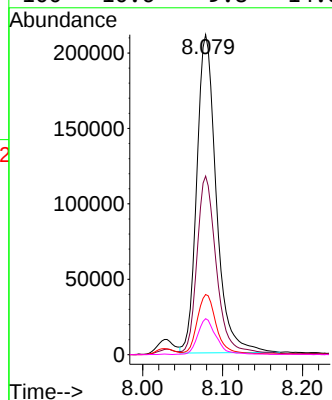


#48
2-Hexanone
Concen: 93.314 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Instrument :
MSVOA_V
ClientSampleId :

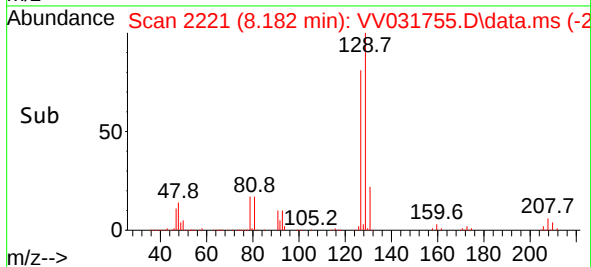
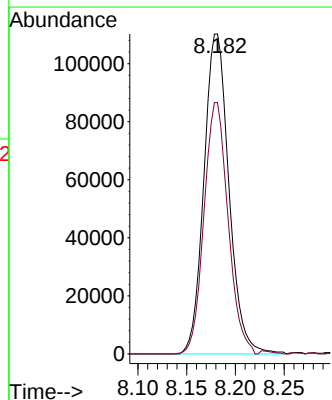
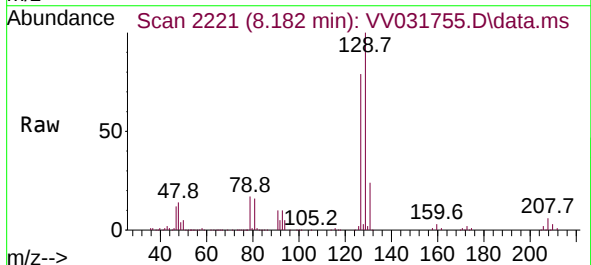


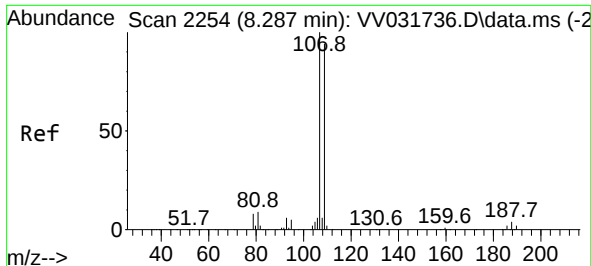
Tgt Ion: 43 Resp: 358744
Ion Ratio Lower Upper
43 100
58 54.0 46.3 69.5
57 18.5 16.8 25.2
100 10.6 9.8 14.8



#49
Dibromochloromethane
Concen: 48.848 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.001 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

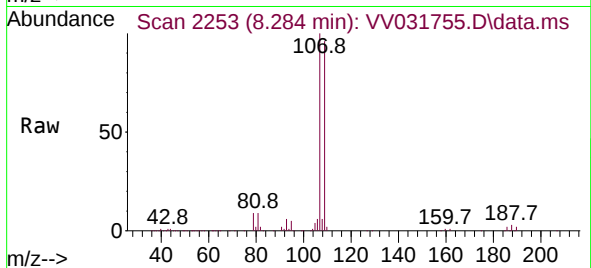
Tgt Ion: 129 Resp: 196835
Ion Ratio Lower Upper
129 100
127 77.4 55.2 102.6



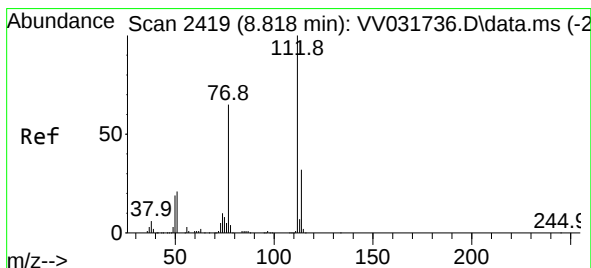
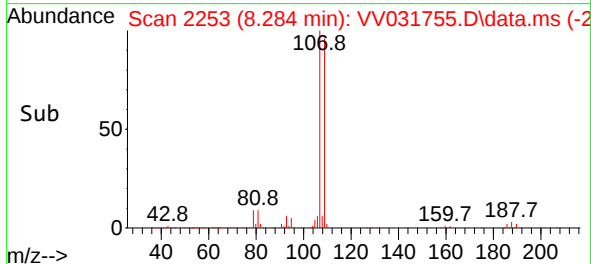
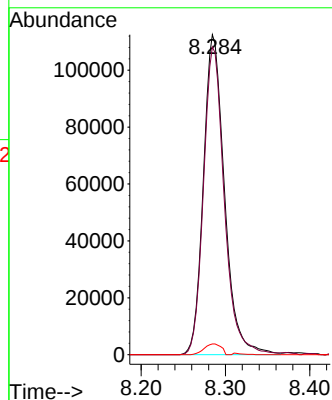


#50
1,2-Dibromoethane
Concen: 48.878 ug/L
RT: 8.284 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Instrument :
MSVOA_V
ClientSampleId :

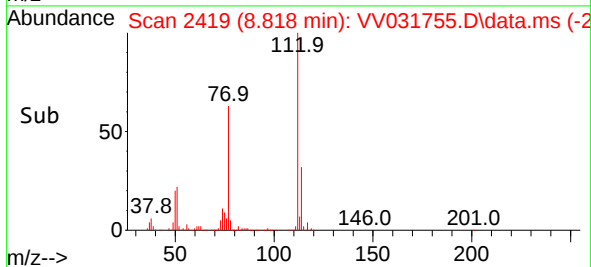
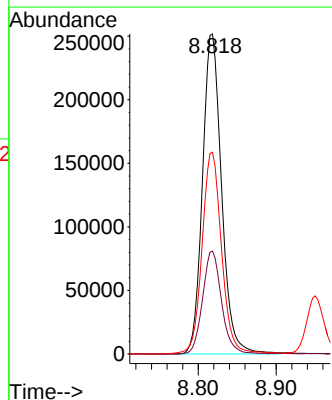
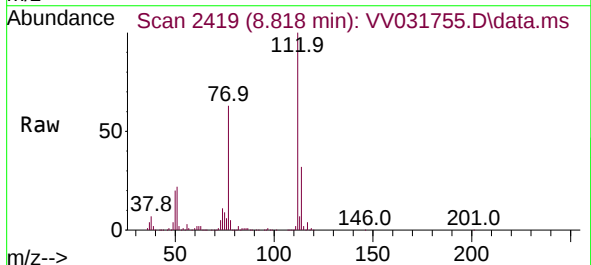


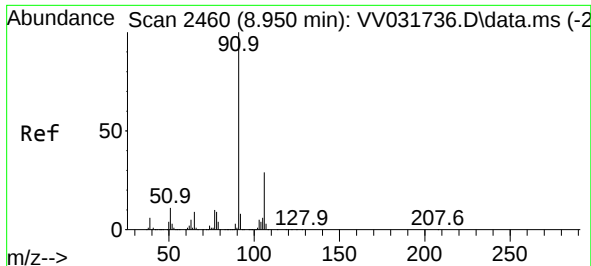
Tgt Ion:107 Resp: 196628
Ion Ratio Lower Upper
107 100
109 96.2 65.4 121.4
188 3.4 2.8 4.2



#51
Chlorobenzene
Concen: 48.982 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion:112 Resp: 428200
Ion Ratio Lower Upper
112 100
114 32.2 22.2 41.2
77 63.0 50.6 76.0

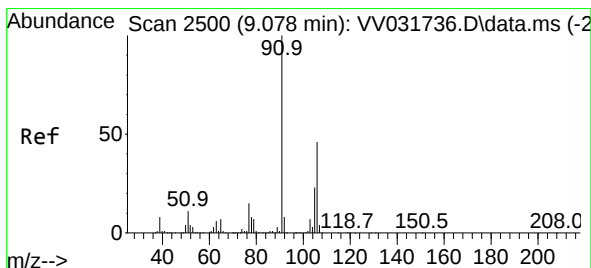
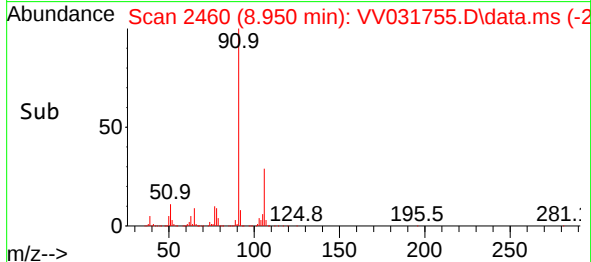
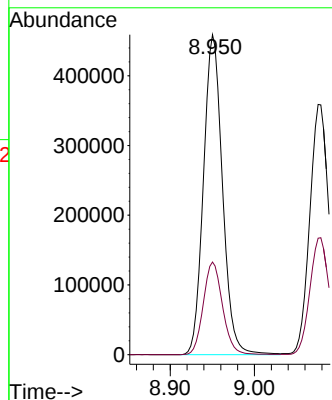
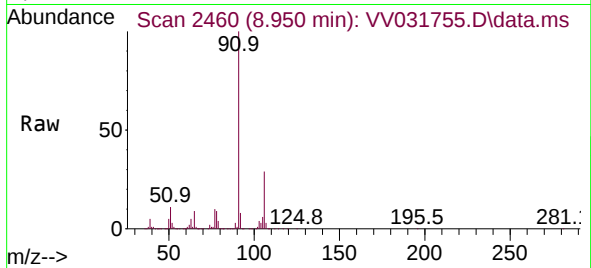




#52
Ethylbenzene
Concen: 50.913 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

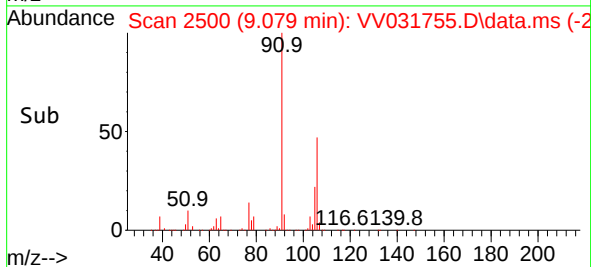
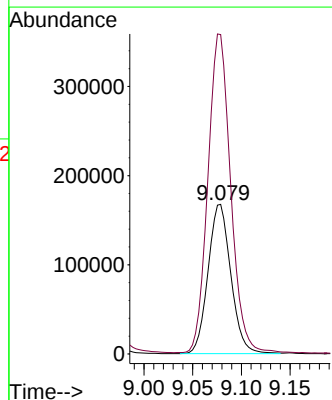
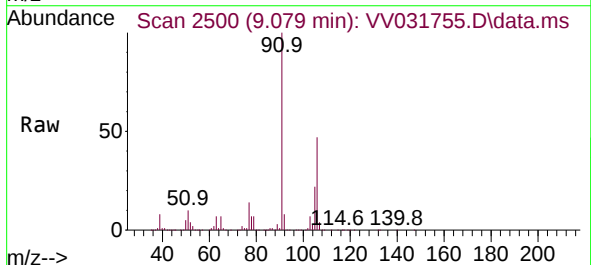
Instrument :
MSVOA_V
ClientSampleId :

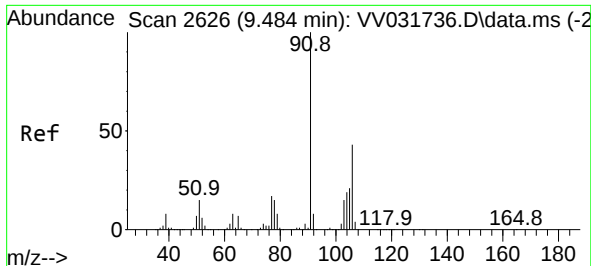
Tgt Ion: 91 Resp: 721870
Ion Ratio Lower Upper
91 100
106 29.0 21.5 39.9



#53
m,p-Xylene
Concen: 53.219 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion: 106 Resp: 272110
Ion Ratio Lower Upper
106 100
91 213.6 145.6 270.4

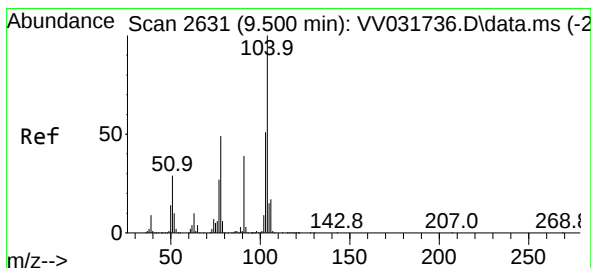
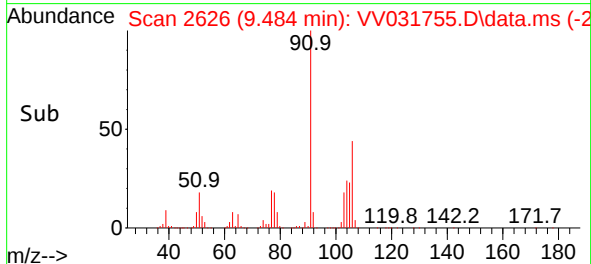
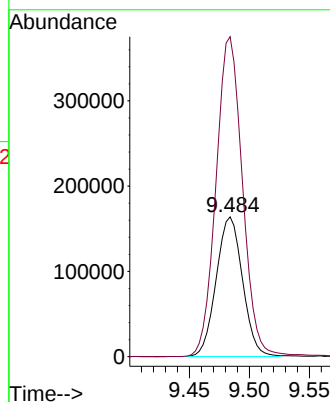
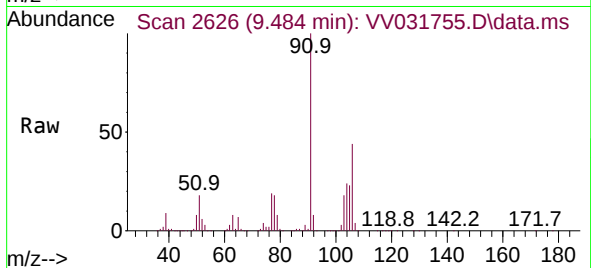




#54
o-Xylene
Concen: 51.036 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

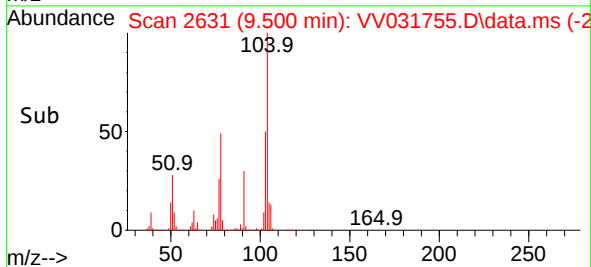
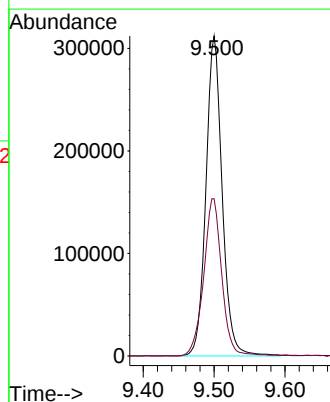
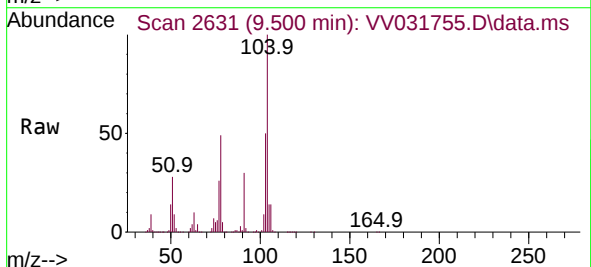
Instrument :
MSVOA_V
ClientSampleId :

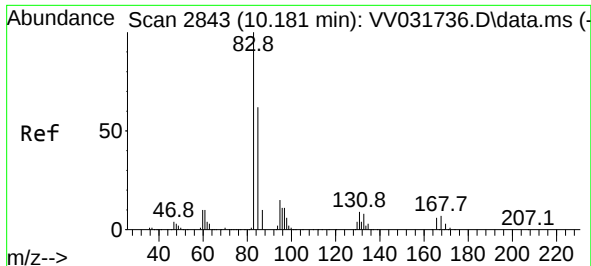
Tgt Ion:106 Resp: 250098
Ion Ratio Lower Upper
106 100
91 228.8 163.0 302.6



#55
Styrene
Concen: 55.614 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion:104 Resp: 497839
Ion Ratio Lower Upper
104 100
78 49.1 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 47.066 ug/L

RT: 10.182 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

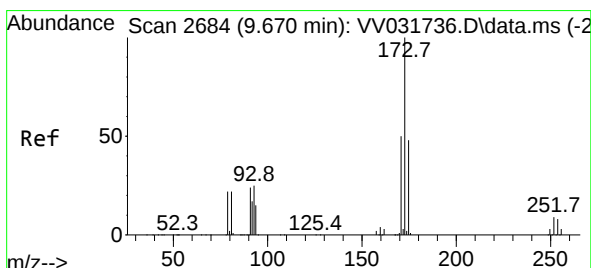
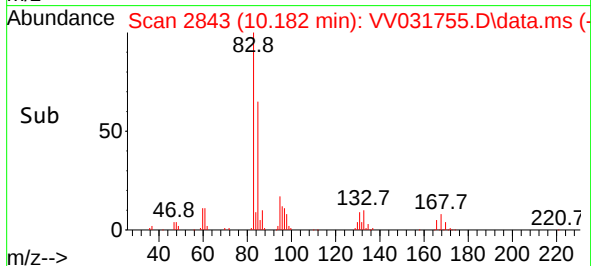
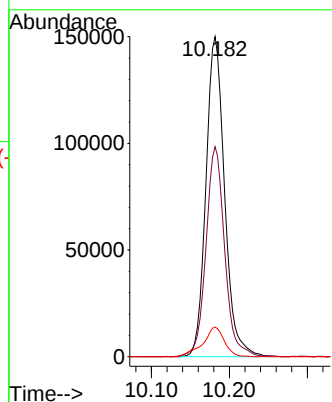
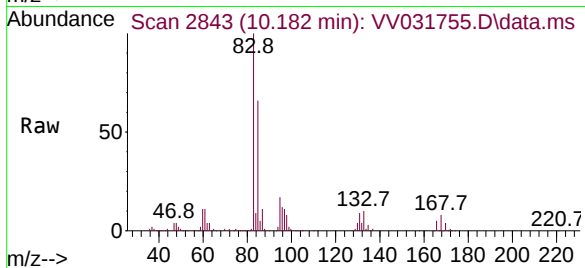
Tgt Ion: 83 Resp: 249215

Ion Ratio Lower Upper

83 100

85 65.6 43.4 80.6

131 9.3 10.9 16.3#



#59

Bromoform

Concen: 45.809 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

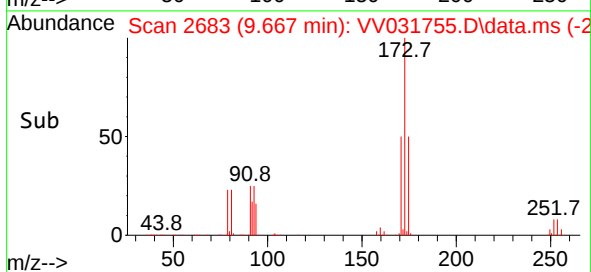
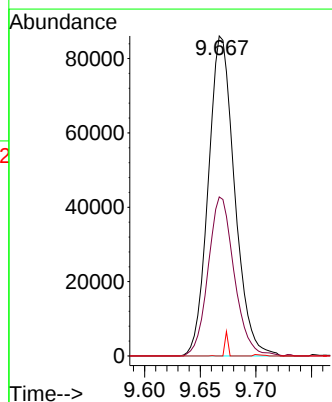
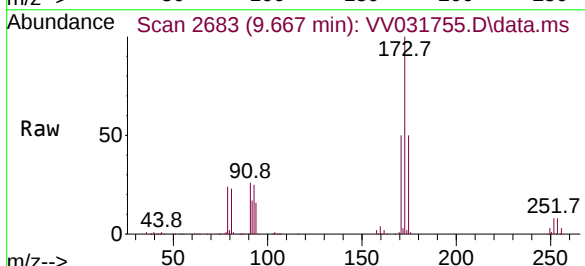
Tgt Ion: 173 Resp: 141320

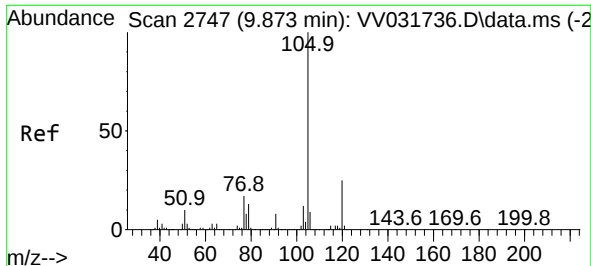
Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

254 0.0 6.9 10.3#

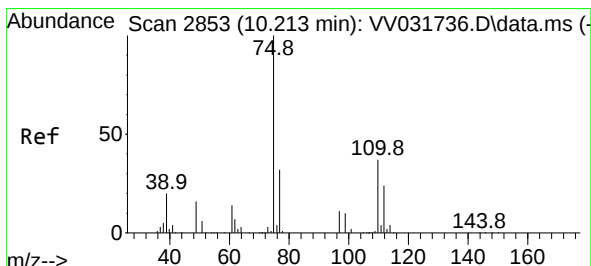
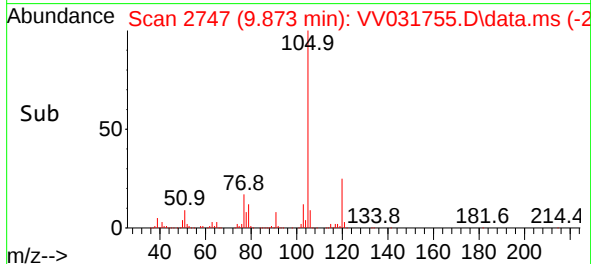
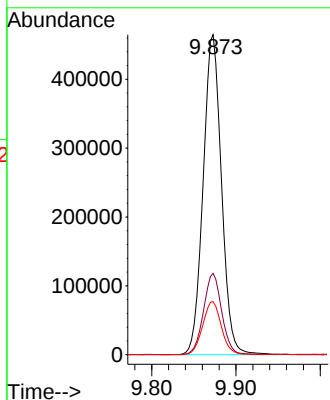
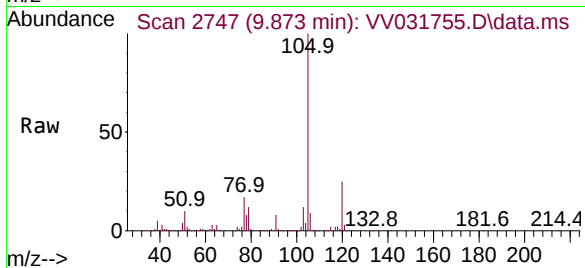




#60
Isopropylbenzene
Concen: 50.189 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

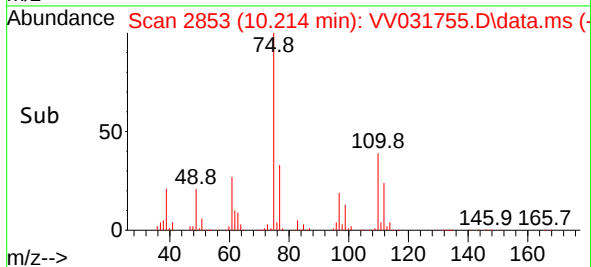
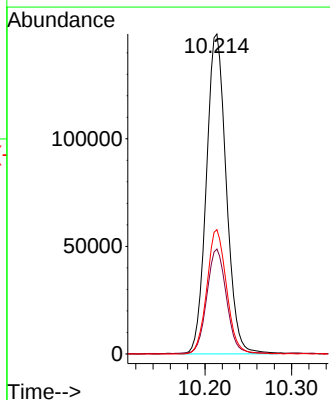
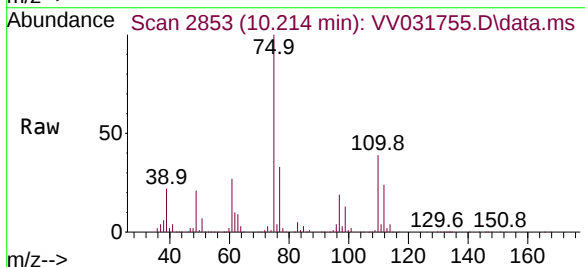
Instrument :
MSVOA_V
ClientSampleId :

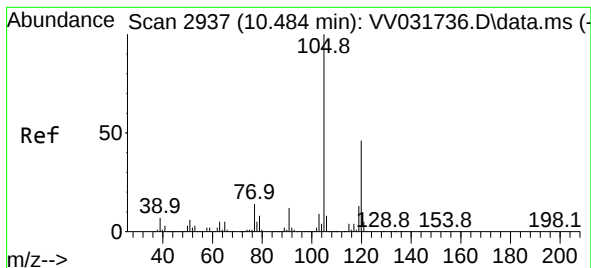
Tgt Ion:105 Resp: 704751
Ion Ratio Lower Upper
105 100
120 25.3 20.6 30.8
77 16.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 45.092 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031755.D
Acq: 26 Jul 2023 08:57

Tgt Ion: 75 Resp: 237977
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
110 38.3 31.4 47.0





#62

1,3,5-Trimethylbenzene

Concen: 48.815 ug/L

RT: 10.481 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

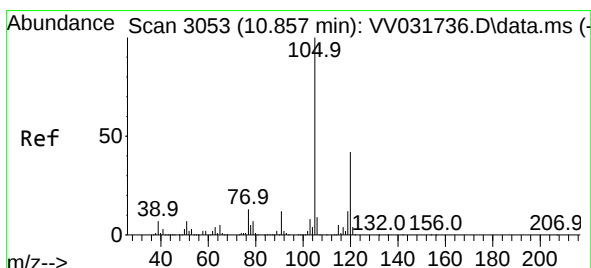
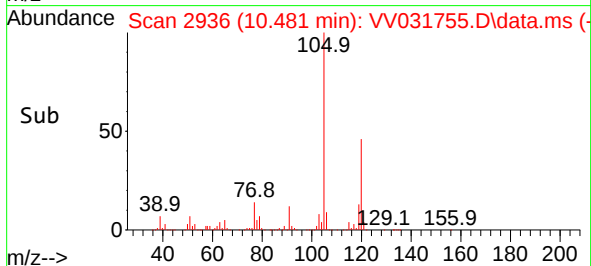
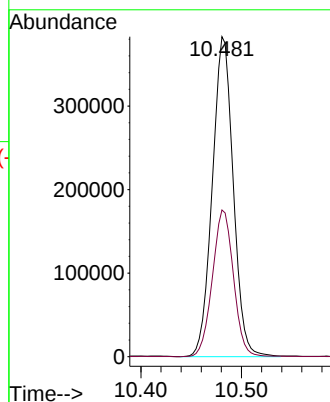
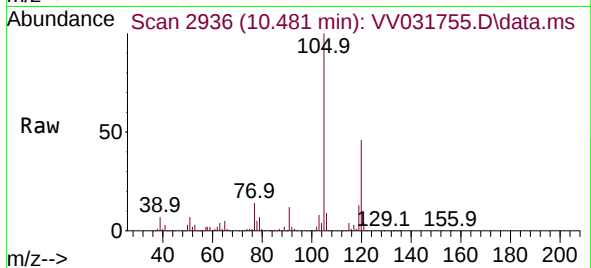
ClientSampleId :

Tgt Ion:105 Resp: 554617

Ion Ratio Lower Upper

105 100

120 46.1 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 49.829 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031755.D

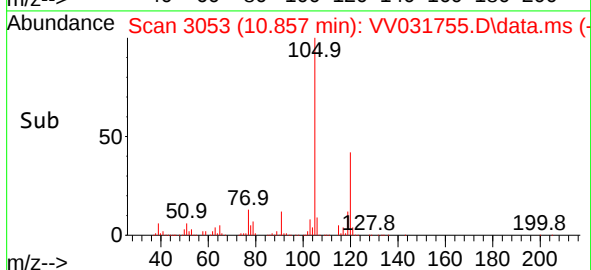
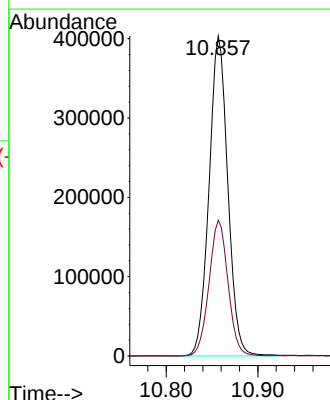
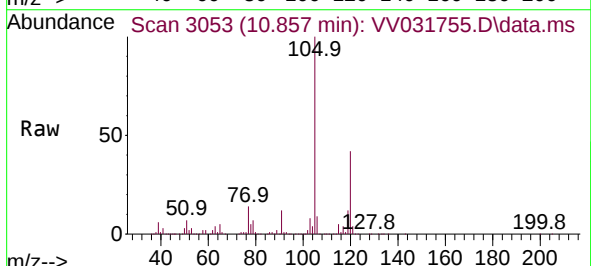
Acq: 26 Jul 2023 08:57

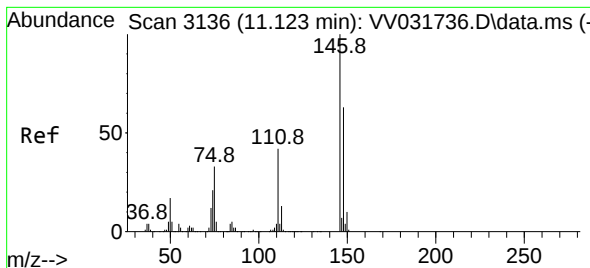
Tgt Ion:105 Resp: 573113

Ion Ratio Lower Upper

105 100

120 42.9 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 49.038 ug/L

RT: 11.120 min Scan# 3136

Delta R.T. -0.003 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

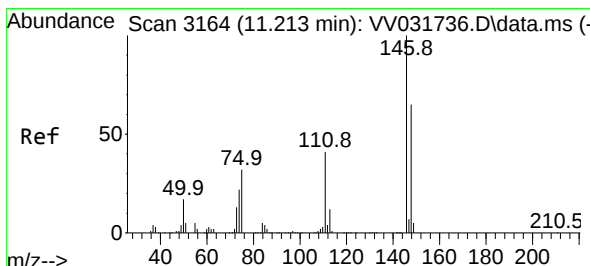
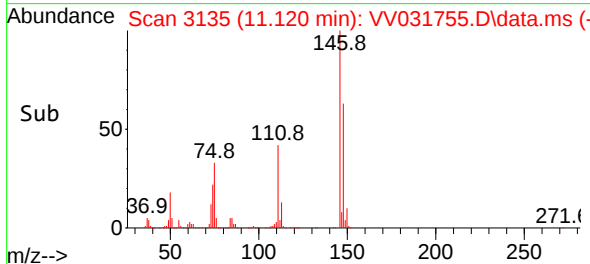
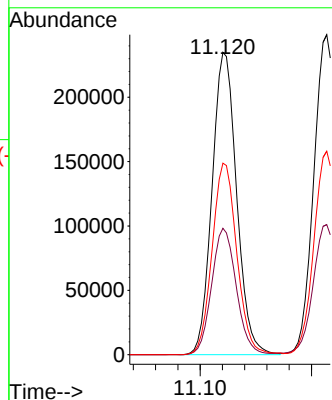
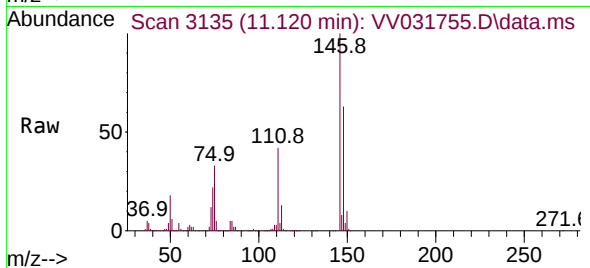
Tgt Ion:146 Resp: 359953

Ion Ratio Lower Upper

146 100

111 41.8 28.3 52.5

148 63.3 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 49.068 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

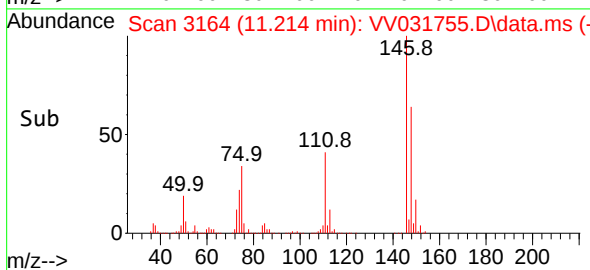
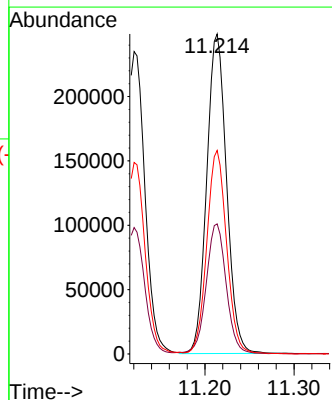
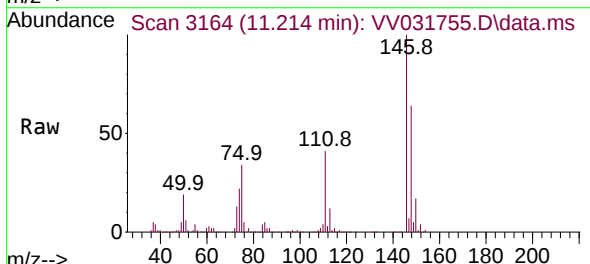
Tgt Ion:146 Resp: 382879

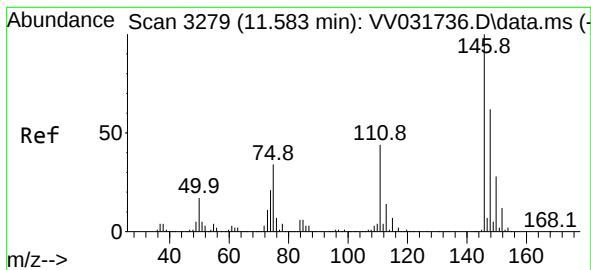
Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

148 63.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 48.546 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

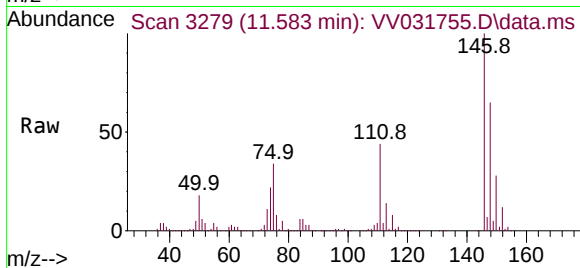
Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :



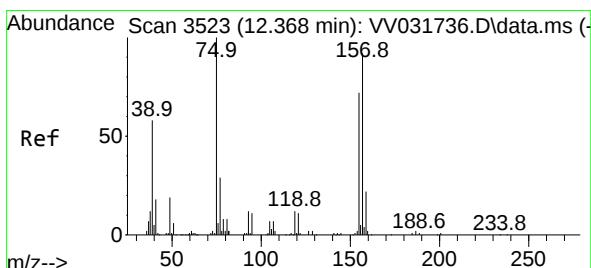
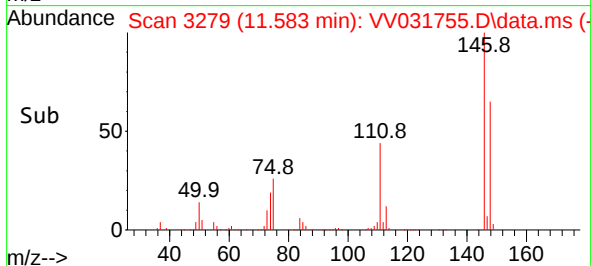
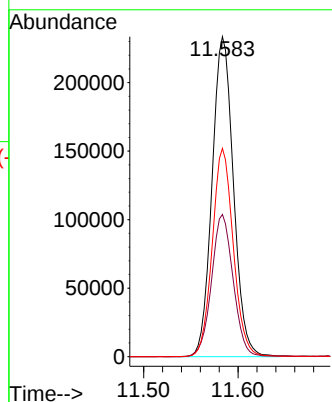
Tgt Ion:146 Resp: 366904

Ion Ratio Lower Upper

146 100

111 44.4 34.8 52.2

148 65.1 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 43.405 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

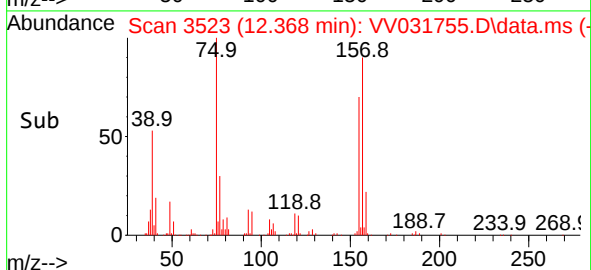
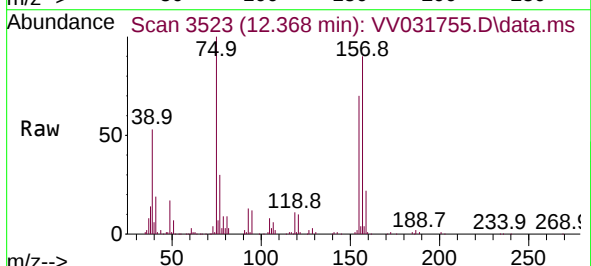
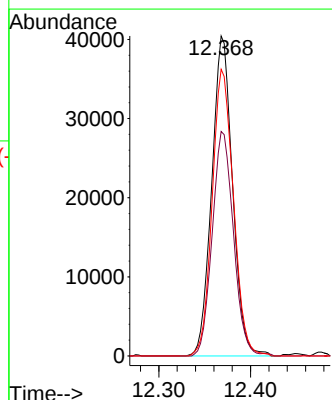
Tgt Ion: 75 Resp: 63714

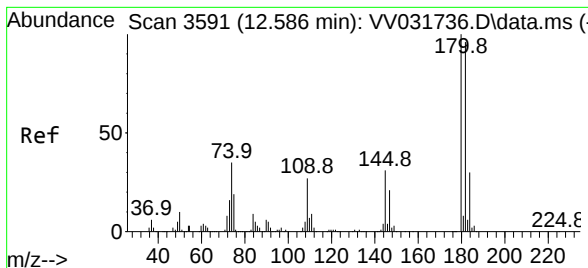
Ion Ratio Lower Upper

75 100

155 70.1 59.9 89.9

157 93.6 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 45.461 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

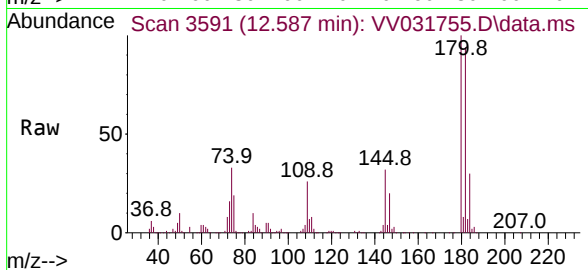
Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 243379

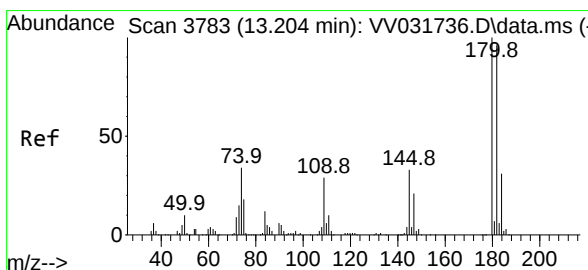
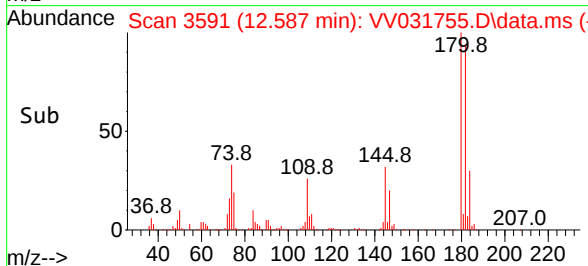
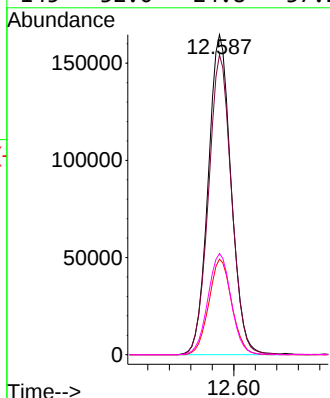
Ion Ratio Lower Upper

180 100

182 94.0 75.5 113.3

184 29.8 23.7 35.5

145 32.0 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 44.044 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

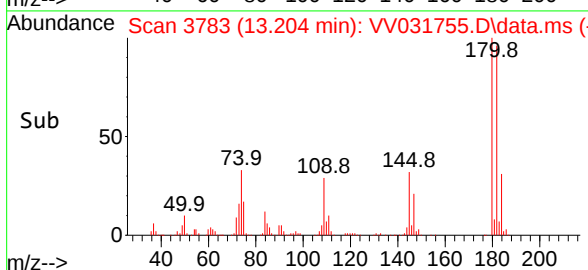
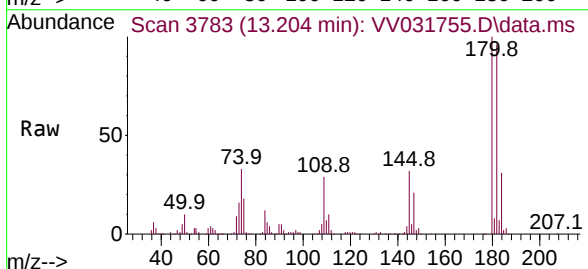
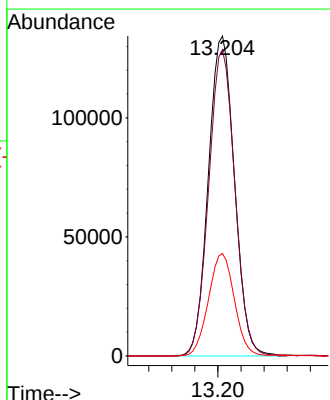
Tgt Ion:180 Resp: 210955

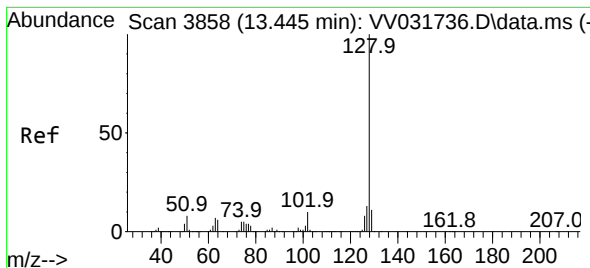
Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 31.8 25.4 38.2





#71

Naphthalene

Concen: 44.138 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Instrument :

MSVOA_V

ClientSampleId :

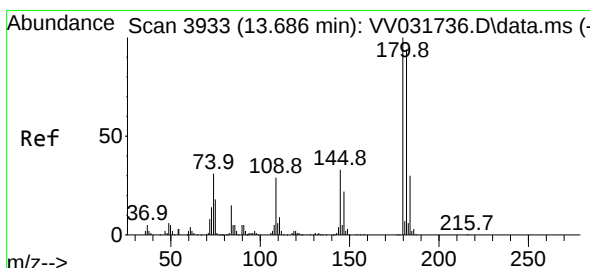
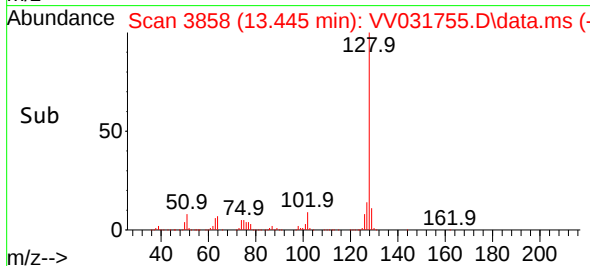
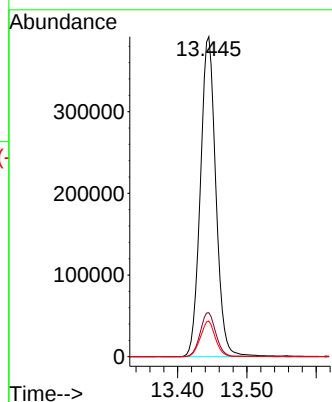
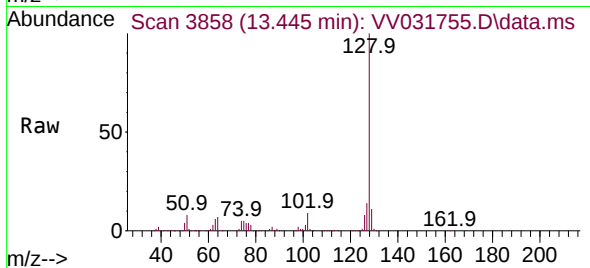
Tgt Ion:128 Resp: 609379

Ion Ratio Lower Upper

128 100

127 13.9 11.0 16.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 47.655 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031755.D

Acq: 26 Jul 2023 08:57

Tgt Ion:180 Resp: 238592

Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

145 33.5 27.7 41.5

