

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031678.D
 Acq On : 11 Jul 2023 14:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV246

Quant Time: Jul 12 08:00:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	304473	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	320539	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	193001	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	132563	48.103	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.200%
7) Chloroethane-d5	1.532	69	116402	58.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.740%
11) 1,1-Dichloroethene-d2	2.063	65	64766	52.757	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.520%
21) 2-Butanone-d5	3.796	46	180483	102.483	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.480%
24) Chloroform-d	4.256	84	277315	50.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
26) 1,2-Dichloroethane-d4	4.950	65	163363	47.239	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.480%
32) Benzene-d6	4.969	84	480283	49.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.940%
36) 1,2-Dichloropropane-d6	5.995	67	164403	52.908	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.820%
41) Toluene-d8	7.249	98	451499	52.251	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.500%
43) trans-1,3-Dichloroprop...	7.558	79	76790	49.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.980%
47) 2-Hexanone-d5	8.030	63	119773	100.563	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.560%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	237443	50.451	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.900%
66) 1,2-Dichlorobenzene-d4	11.567	152	163871	46.291	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	206346	54.518	ug/L	98
3) Chloromethane	1.217	50	208880	53.342	ug/L	98
5) Vinyl chloride	1.285	62	202909	55.331	ug/L	99
6) Bromomethane	1.487	94	128768	61.457	ug/L	98
8) Chloroethane	1.548	64	124033	61.340	ug/L	100
9) Trichlorofluoromethane	1.715	101	301008	57.283	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	171481	56.690	ug/L	95
12) 1,1-Dichloroethene	2.072	96	147347	56.050	ug/L	91
13) Acetone	2.121	43	209641	137.753	ug/L	96
14) Carbon disulfide	2.243	76	463691	53.571	ug/L	100
15) Methyl Acetate	2.378	43	178482	55.642	ug/L	96
16) Methylene chloride	2.449	84	169055	54.400	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	140730	52.409	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	440224	53.871	ug/L	98
19) 1,1-Dichloroethane	3.117	63	301452	54.913	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	148687	53.977	ug/L	95
22) 2-Butanone	3.876	43	249002	118.091	ug/L	97
23) Bromochloromethane	4.156	128	81617	54.494	ug/L	93
25) Chloroform	4.284	83	311540	55.329	ug/L	99

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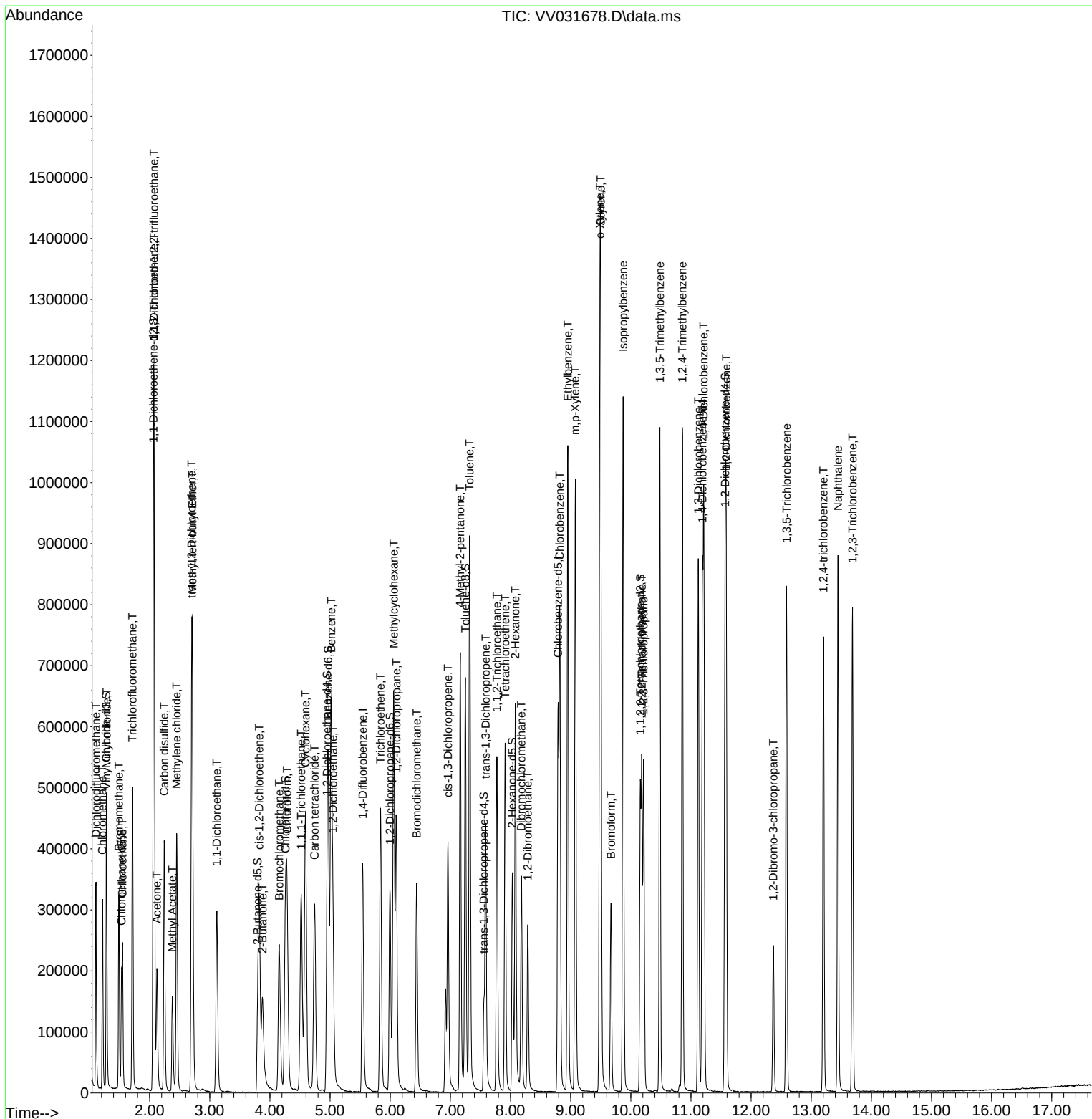
Instrument :
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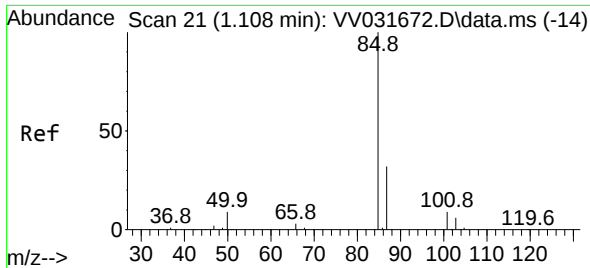
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	244687	58.494	ug/L	99
29) Cyclohexane	4.593	56	234408	55.780	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	275845	55.074	ug/L	98
31) Carbon tetrachloride	4.741	117	239670	53.991	ug/L	98
33) Benzene	5.018	78	634870	58.077	ug/L	100
34) Trichloroethene	5.837	95	170280	55.363	ug/L	97
35) Methylcyclohexane	6.059	83	236338	56.454	ug/L	97
37) 1,2-Dichloropropane	6.101	63	185722	60.776	ug/L	98
38) Bromodichloromethane	6.439	83	238316	57.530	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	251950	54.502	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	461701	121.474	ug/L	99
42) Toluene	7.320	91	668153	59.186	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	257805	55.904	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	171428	56.661	ug/L	98
46) Tetrachloroethene	7.911	164	121255	51.853	ug/L	97
48) 2-Hexanone	8.082	43	389839	122.039	ug/L	96
49) Dibromochloromethane	8.181	129	179607	53.454	ug/L	99
50) 1,2-Dibromoethane	8.288	107	177751	53.317	ug/L	98
51) Chlorobenzene	8.818	112	399262	53.356	ug/L	99
52) Ethylbenzene	8.953	91	699813	56.975	ug/L	97
53) m,p-Xylene	9.078	106	259508	57.307	ug/L	95
54) o-Xylene	9.487	106	237399	56.605	ug/L	99
55) Styrene	9.500	104	473671	61.350	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	260515	55.463	ug/L	98
59) Bromoform	9.670	173	134614	54.582	ug/L #	96
60) Isopropylbenzene	9.873	105	665627	56.479	ug/L	99
61) 1,2,3-Trichloropropane	10.213	75	221868	55.272	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	541780	56.261	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	552796	57.634	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	330310	53.960	ug/L	97
65) 1,4-Dichlorobenzene	11.213	146	349402	52.628	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	328755	52.365	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	63842	52.124	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	237492	51.789	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	206706	50.870	ug/L	99
71) Naphthalene	13.445	128	622650	52.955	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	223089	52.364	ug/L	99

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

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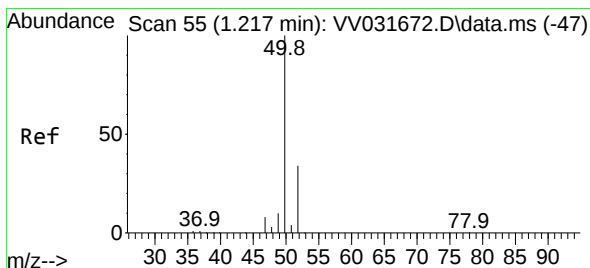
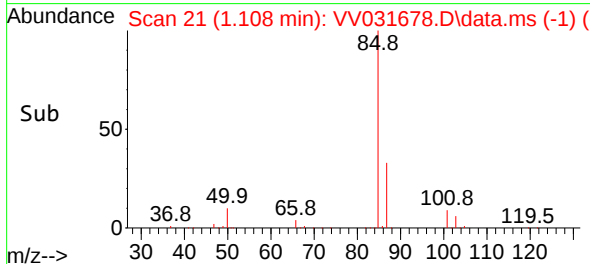
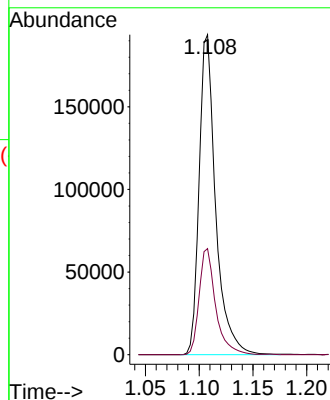
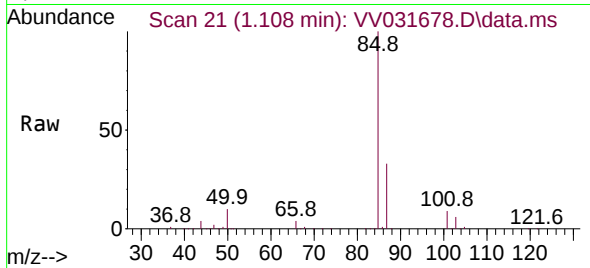




#2
 Dichlorodifluoromethane
 Concen: 54.518 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031678.D
 Acq: 11 Jul 2023 14:47

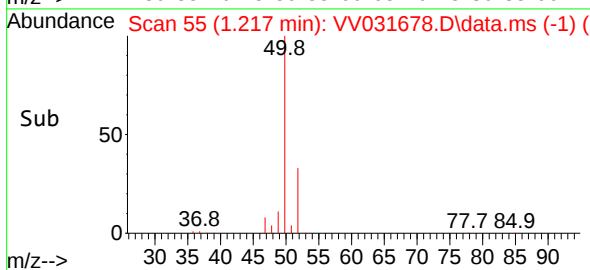
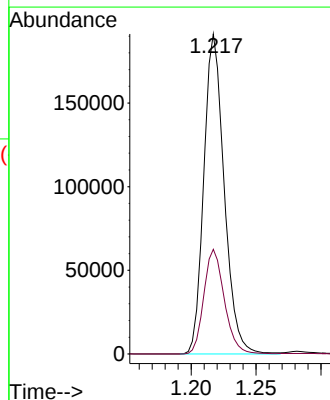
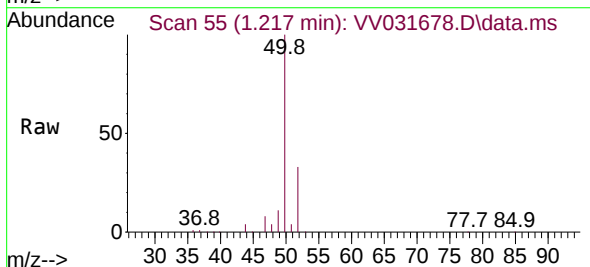
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 MSVOA_V
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 VICV246

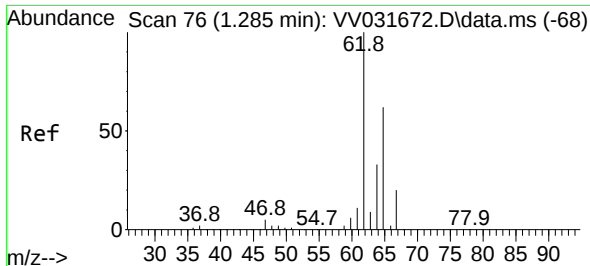
Tgt Ion: 85 Resp: 206346
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.8 38.6



#3
 Chloromethane
 Concen: 53.342 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031678.D
 Acq: 11 Jul 2023 14:47

Tgt Ion: 50 Resp: 208880
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.7 44.1

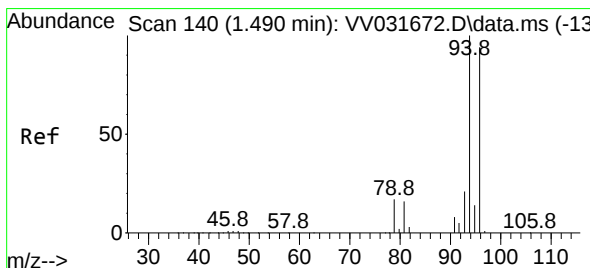
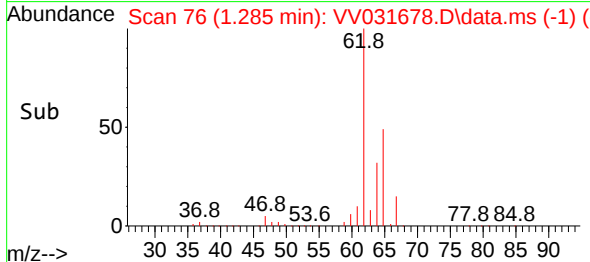
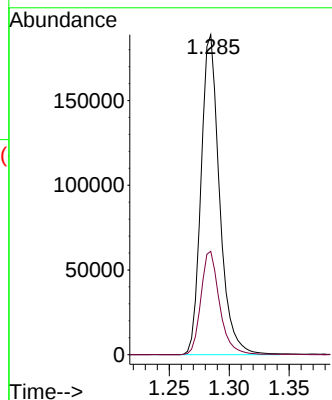
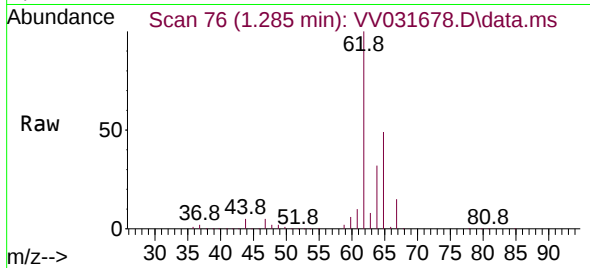




#5
 Vinyl chloride
 Concen: 55.331 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV031678.D
 Acq: 11 Jul 2023 14:47

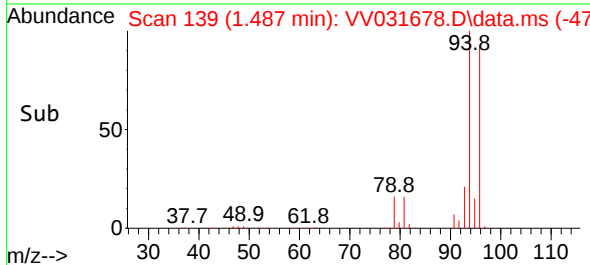
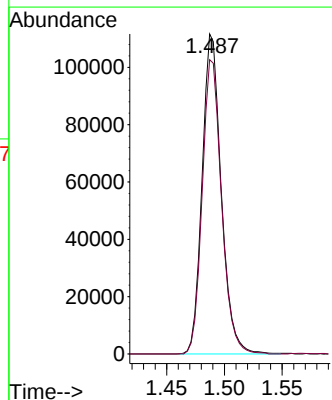
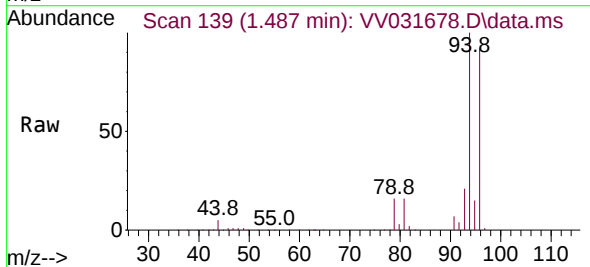
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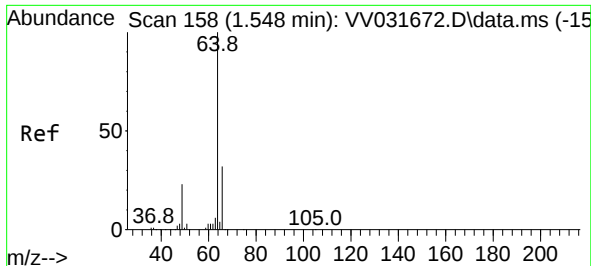
Tgt Ion: 62 Resp: 202909
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.9 42.5



#6
 Bromomethane
 Concen: 61.457 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031678.D
 Acq: 11 Jul 2023 14:47

Tgt Ion: 94 Resp: 128768
 Ion Ratio Lower Upper
 94 100
 96 91.9 65.7 121.9

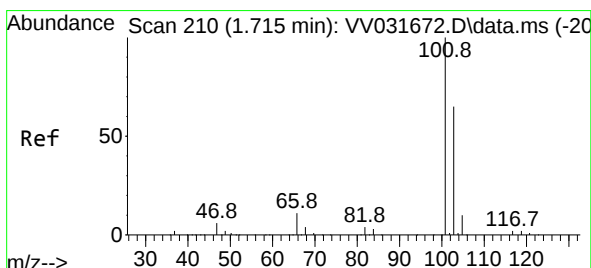
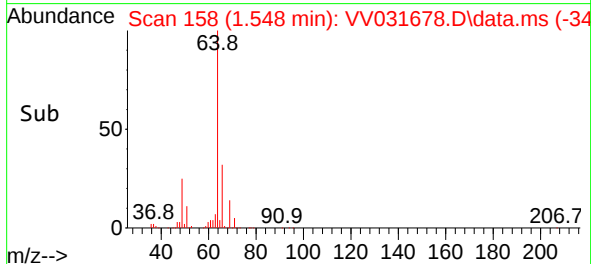
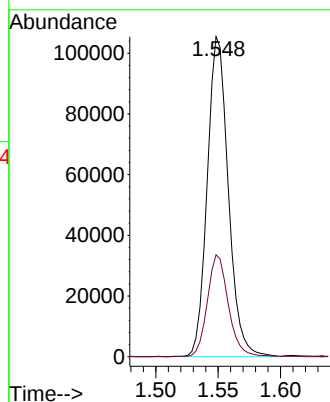
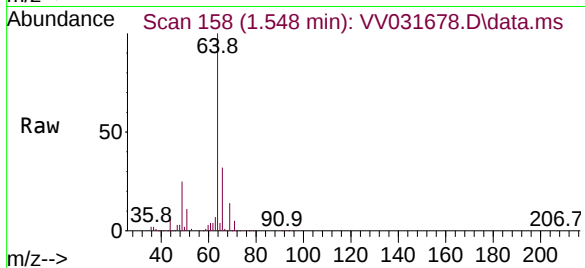




#8
Chloroethane
Concen: 61.340 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

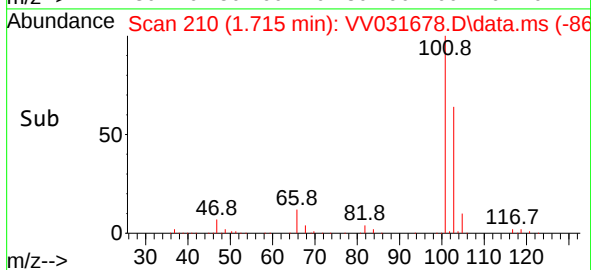
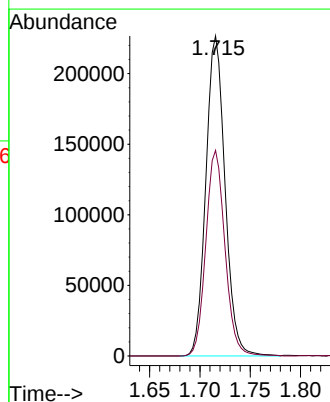
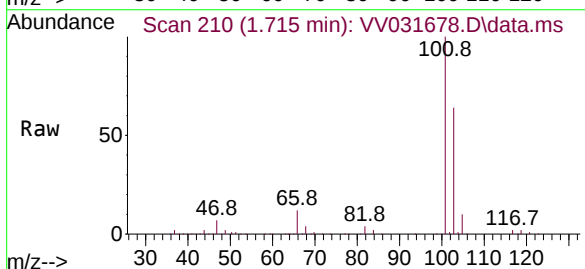
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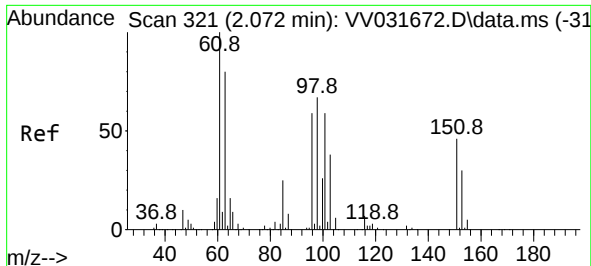
Tgt Ion: 64 Resp: 124033
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 57.283 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion:101 Resp: 301008
Ion Ratio Lower Upper
101 100
103 64.1 51.7 77.5

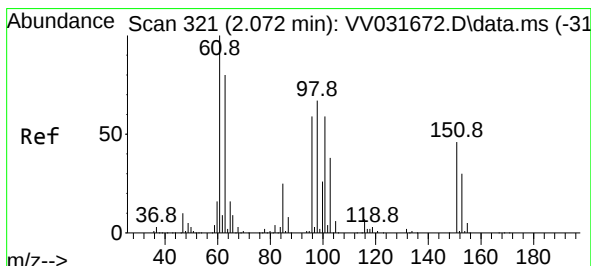
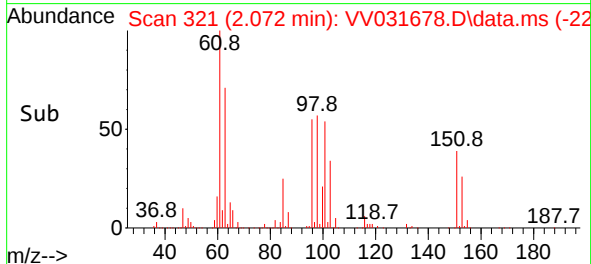
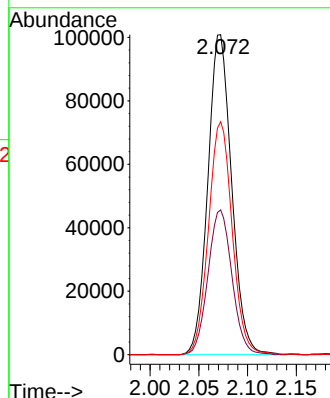
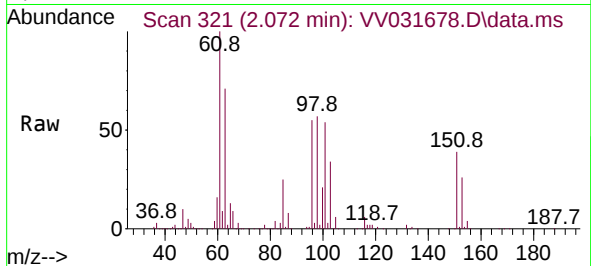




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 56.690 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031678.D
 Acq: 11 Jul 2023 14:47

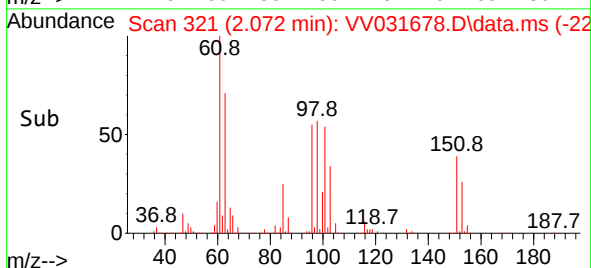
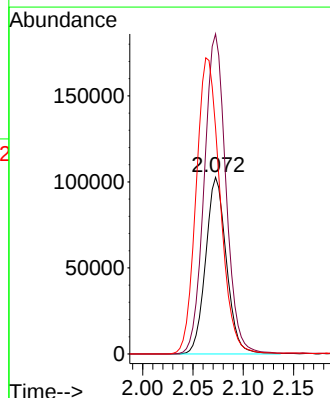
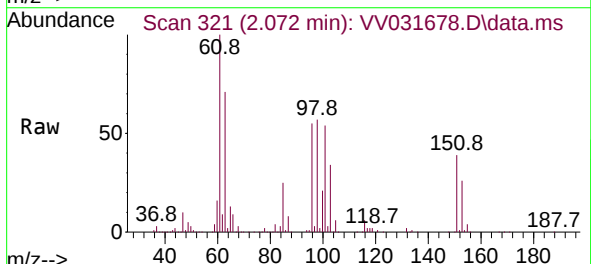
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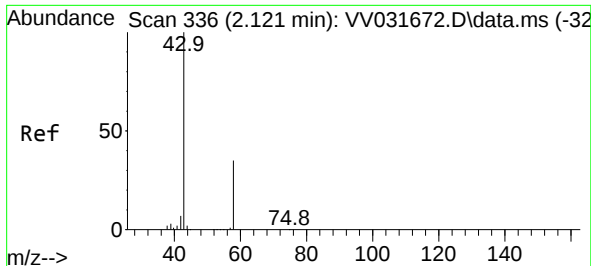
Tgt Ion:101 Resp: 171481
 Ion Ratio Lower Upper
 101 100
 85 45.5 33.9 50.9
 151 72.6 61.0 91.6



#12
 1,1-Dichloroethene
 Concen: 56.050 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV031678.D
 Acq: 11 Jul 2023 14:47

Tgt Ion: 96 Resp: 147347
 Ion Ratio Lower Upper
 96 100
 61 181.1 118.3 219.7
 63 128.0 96.8 179.8





#13

Acetone

Concen: 137.753 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

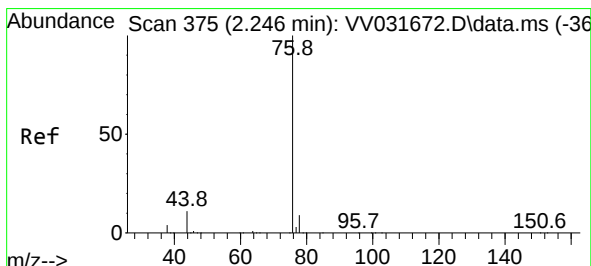
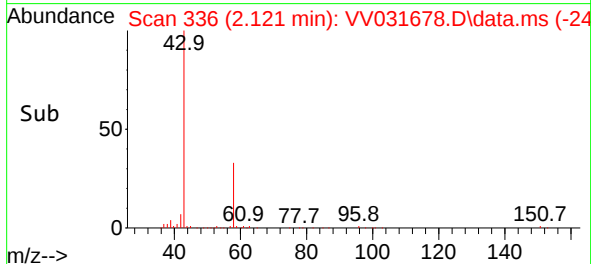
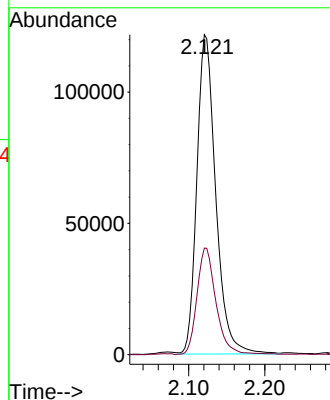
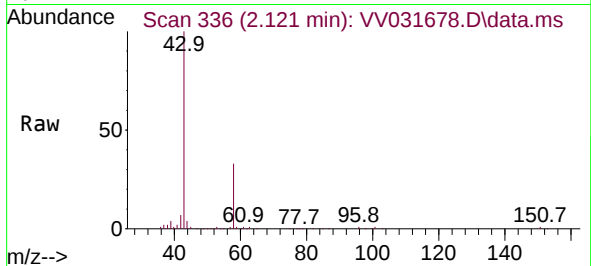
VICV246

Tgt Ion: 43 Resp: 209641

Ion Ratio Lower Upper

43 100

58 33.6 0.0 72.0



#14

Carbon disulfide

Concen: 53.571 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031678.D

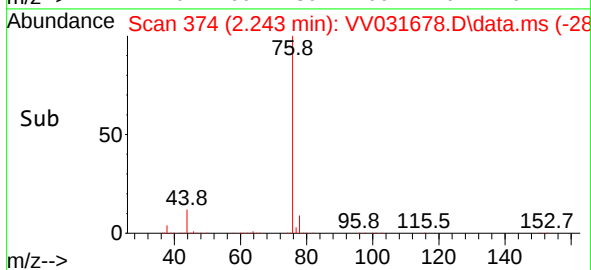
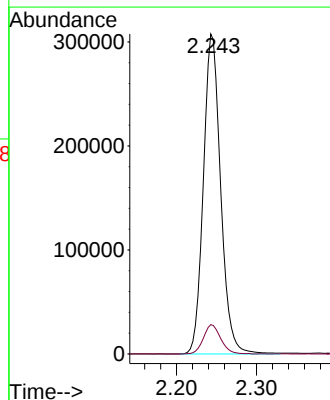
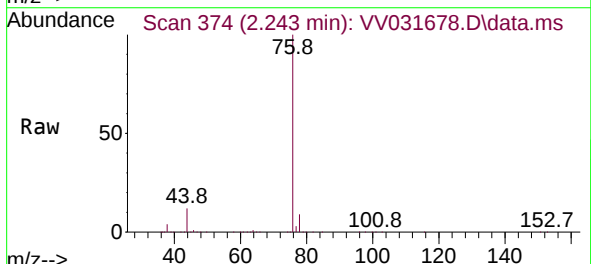
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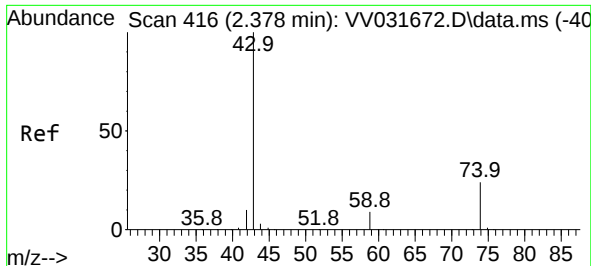
Tgt Ion: 76 Resp: 463691

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

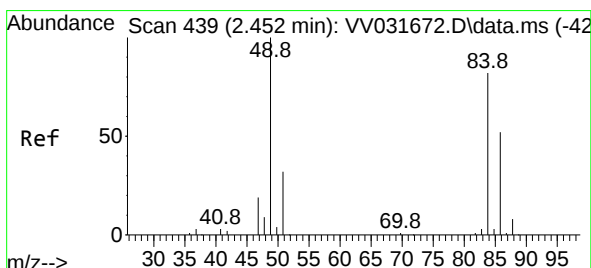
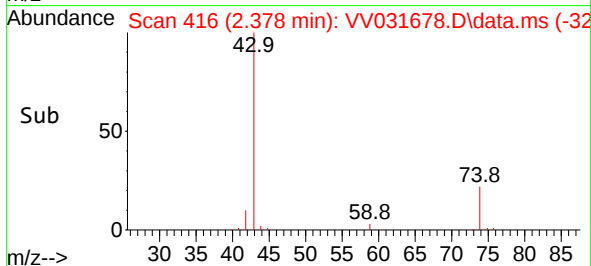
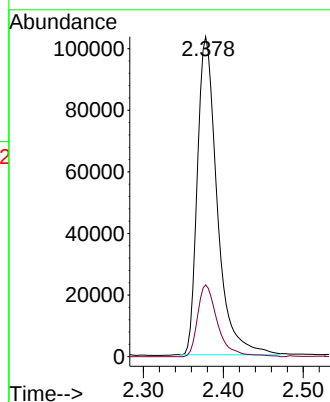
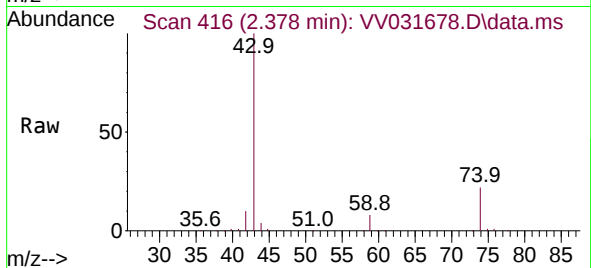




#15
Methyl Acetate
Concen: 55.642 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

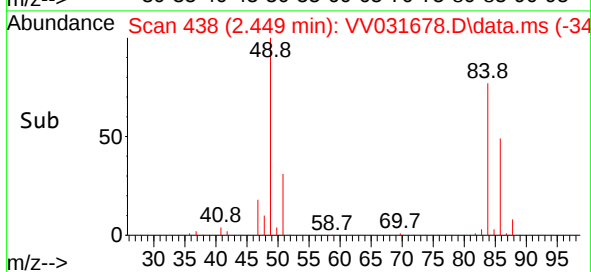
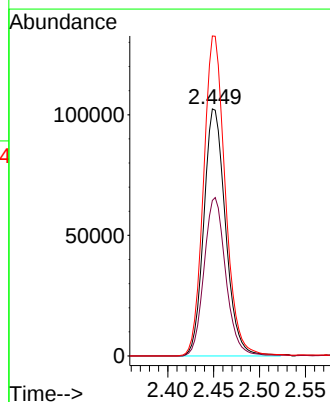
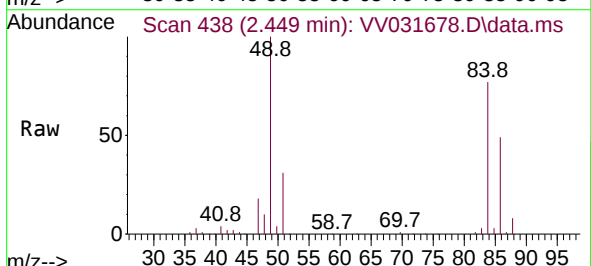
Instrument :
MSVOA_V
ClientSampleId :
VICV246

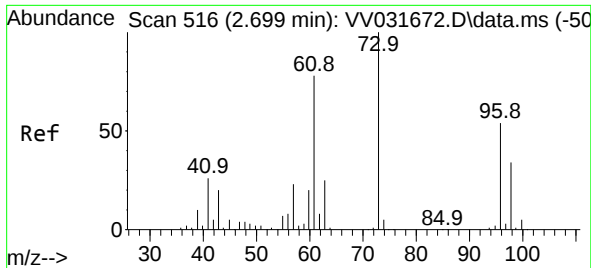
Tgt Ion: 43 Resp: 178482
Ion Ratio Lower Upper
43 100
74 22.5 19.5 29.3



#16
Methylene chloride
Concen: 54.400 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion: 84 Resp: 169055
Ion Ratio Lower Upper
84 100
86 62.9 44.5 82.7
49 129.5 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 52.409 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

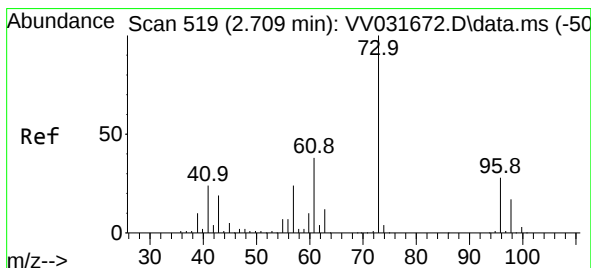
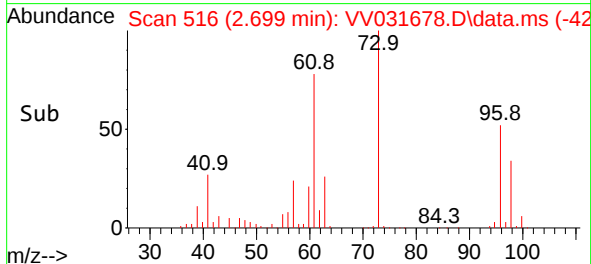
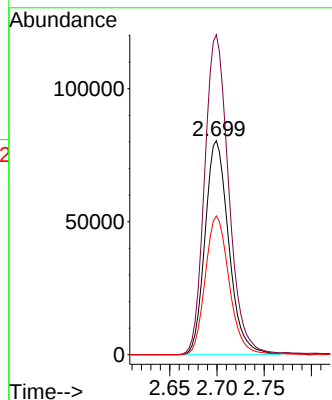
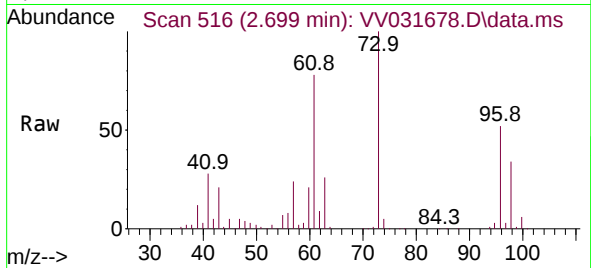
Tgt Ion: 96 Resp: 140730

Ion Ratio Lower Upper

96 100

61 149.6 101.6 188.6

98 64.8 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 53.871 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

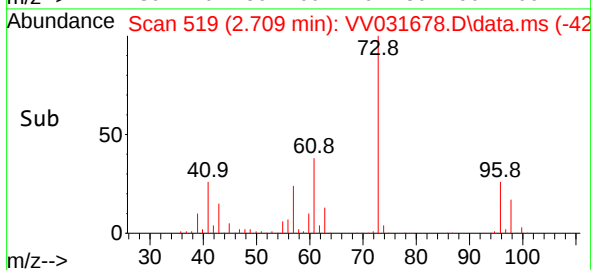
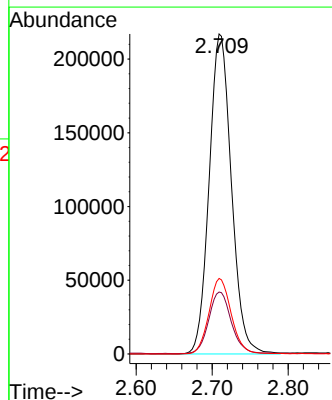
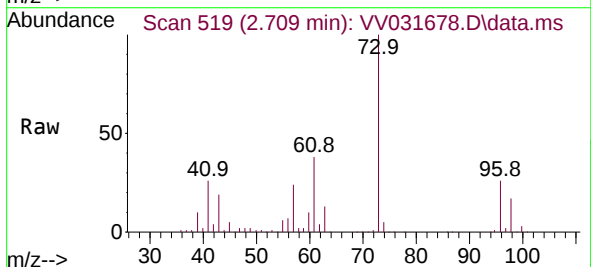
Tgt Ion: 73 Resp: 440224

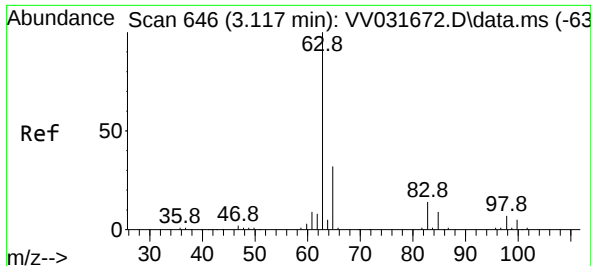
Ion Ratio Lower Upper

73 100

43 19.7 15.0 22.4

57 23.7 18.3 27.5





#19

1,1-Dichloroethane

Concen: 54.913 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

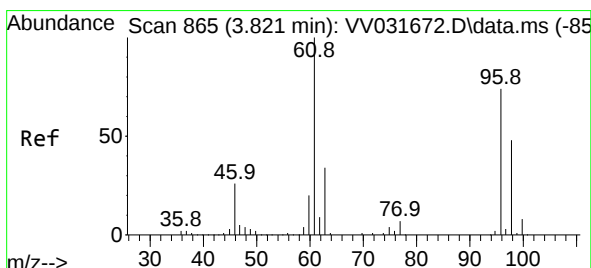
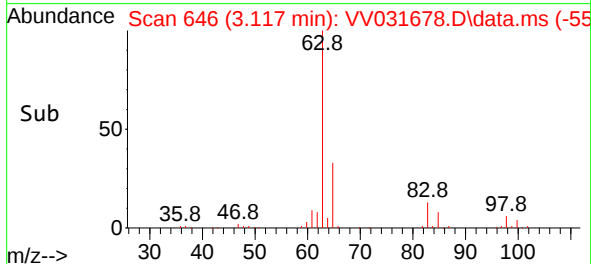
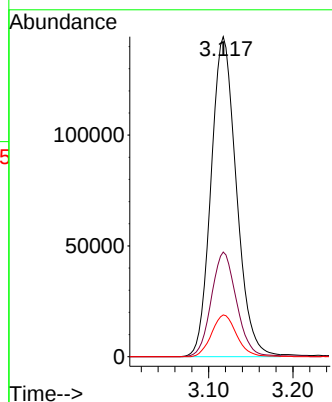
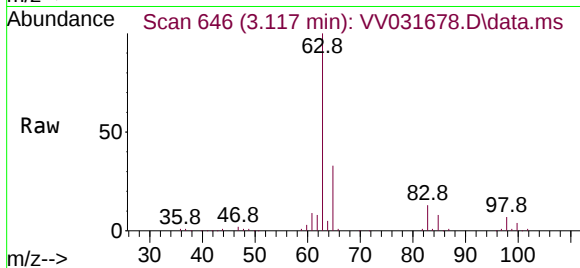
Tgt Ion: 63 Resp: 301452

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 13.7 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 53.977 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

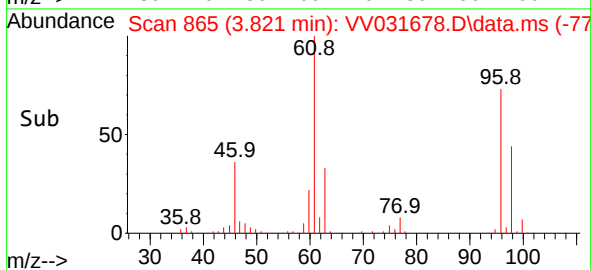
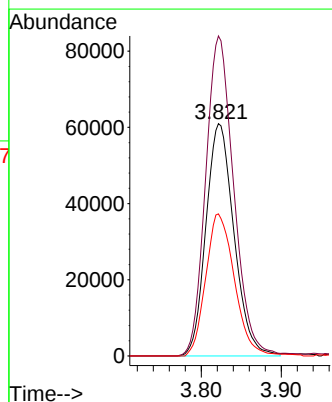
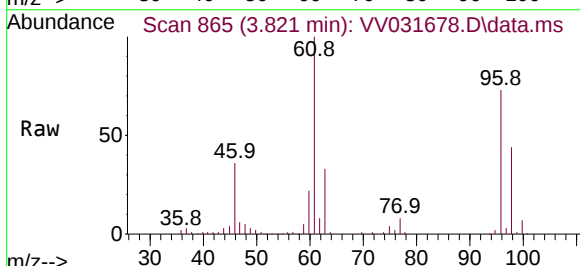
Tgt Ion: 96 Resp: 148687

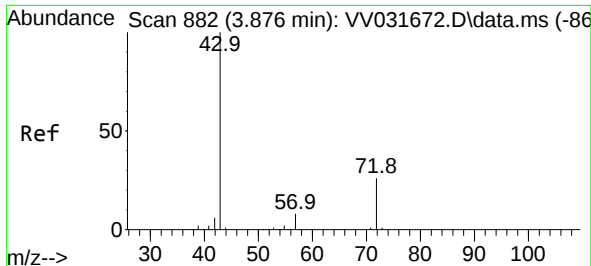
Ion Ratio Lower Upper

96 100

61 137.8 90.6 168.2

98 61.2 43.8 81.3

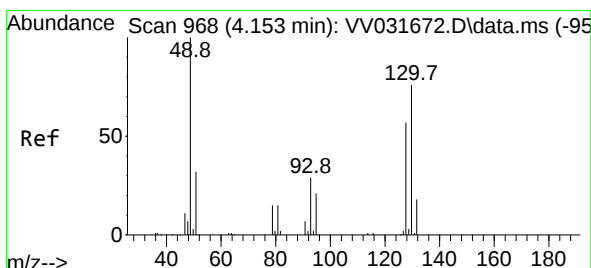
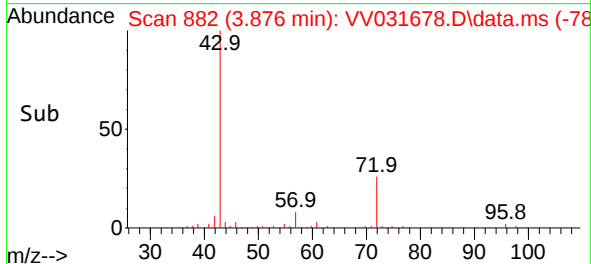
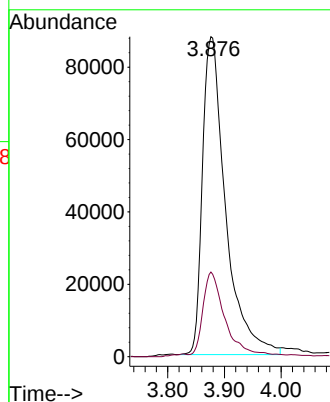
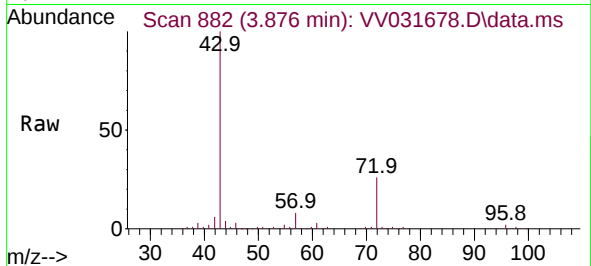




#22
2-Butanone
Concen: 118.091 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

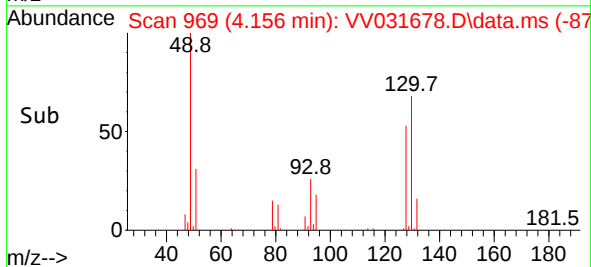
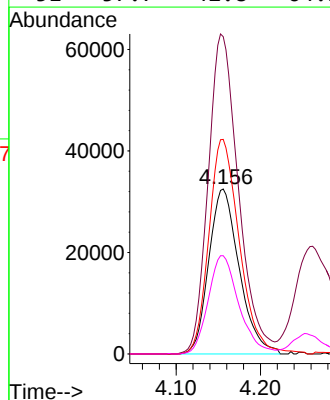
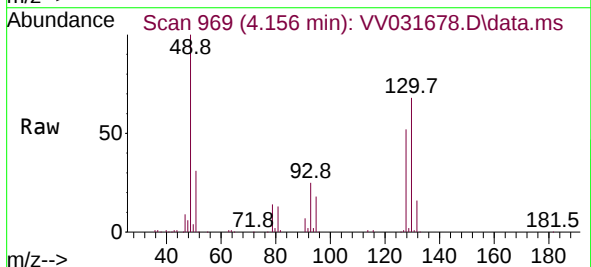
Instrument :
MSVOA_V
ClientSampleId :
VICV246

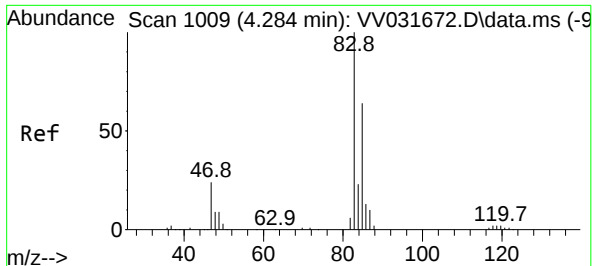
Tgt Ion: 43 Resp: 249002
Ion Ratio Lower Upper
43 100
72 23.7 12.7 38.0



#23
Bromochloromethane
Concen: 54.494 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion:128 Resp: 81617
Ion Ratio Lower Upper
128 100
49 184.4 117.9 218.9
130 127.0 89.1 165.5
51 57.7 42.8 64.2





#25

Chloroform

Concen: 55.329 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

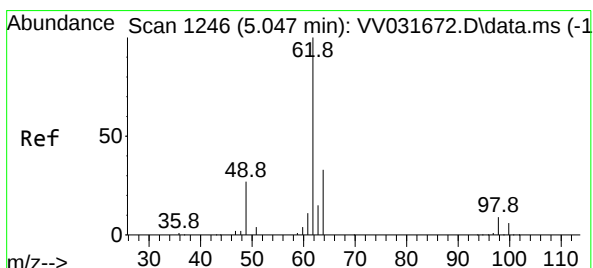
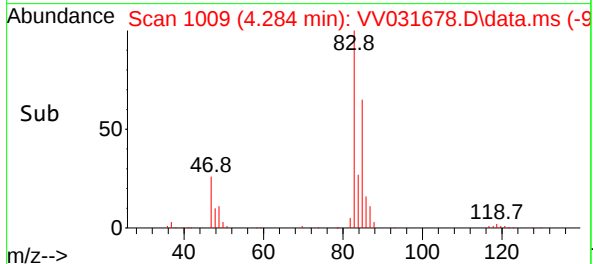
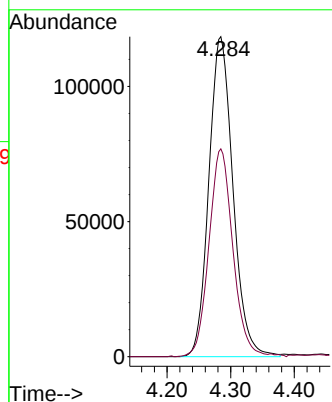
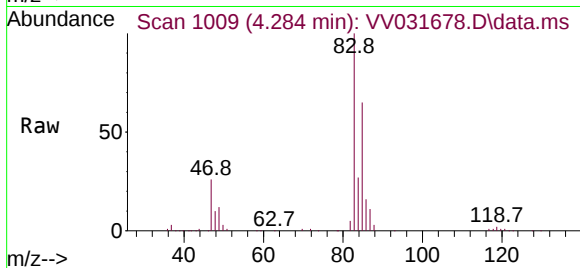
VICV246

Tgt Ion: 83 Resp: 311540

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 58.494 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031678.D

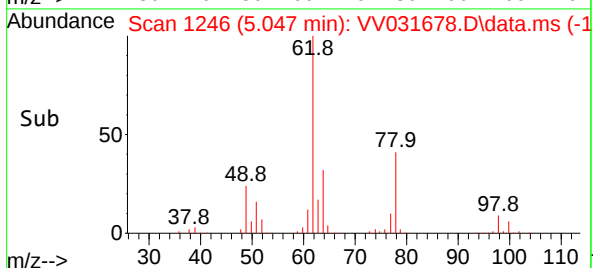
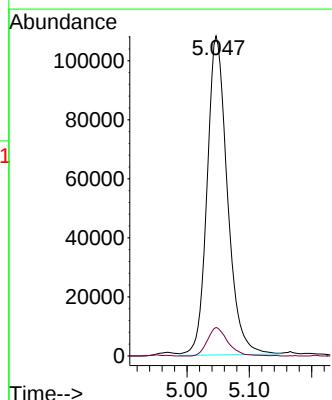
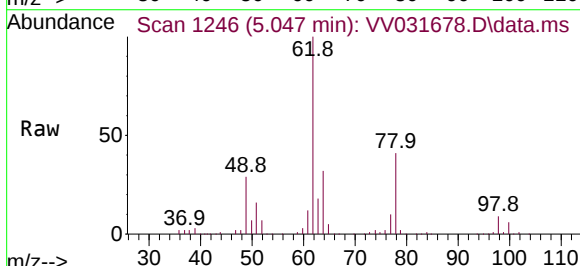
Acq: 11 Jul 2023 14:47

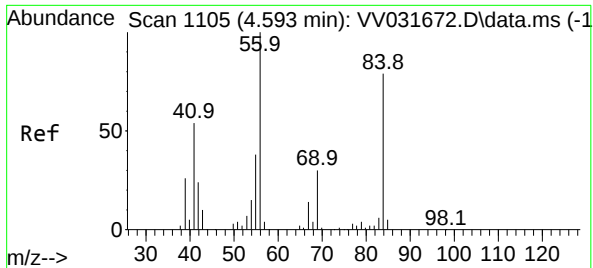
Tgt Ion: 62 Resp: 244687

Ion Ratio Lower Upper

62 100

98 8.9 7.5 11.3





#29

Cyclohexane

Concen: 55.780 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

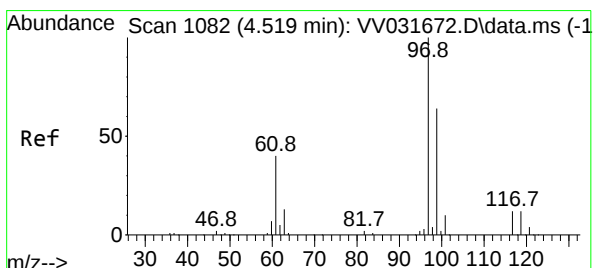
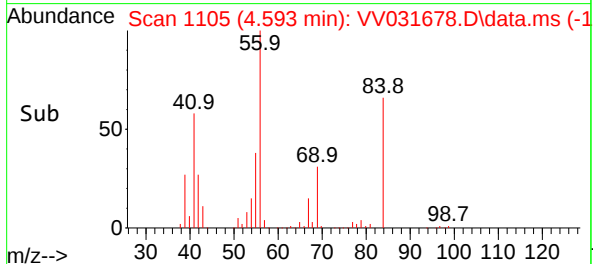
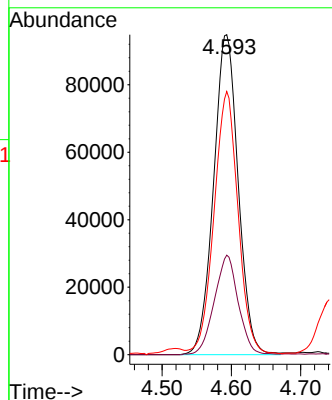
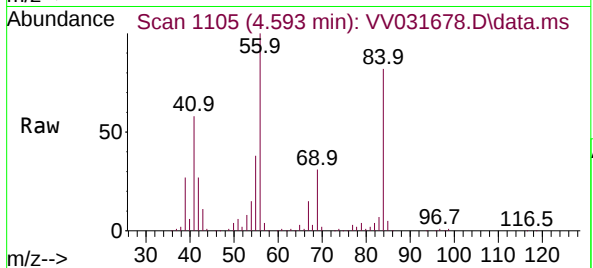
Tgt Ion: 56 Resp: 234408

Ion Ratio Lower Upper

56 100

69 30.2 24.1 36.1

84 79.5 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 55.074 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

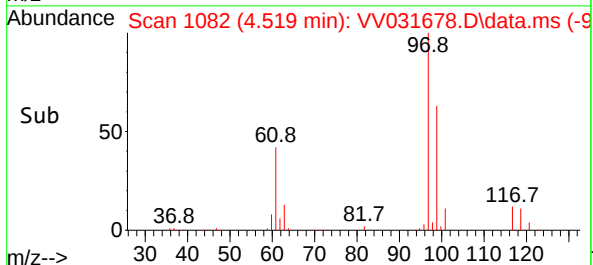
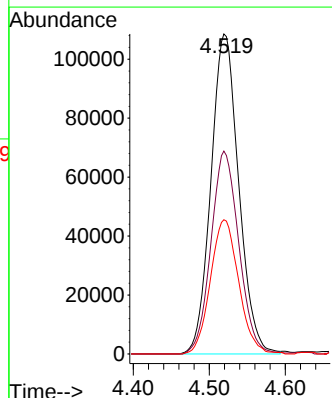
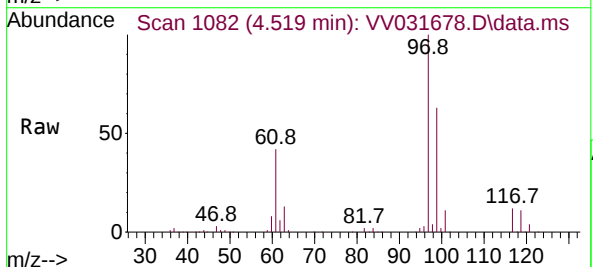
Tgt Ion: 97 Resp: 275845

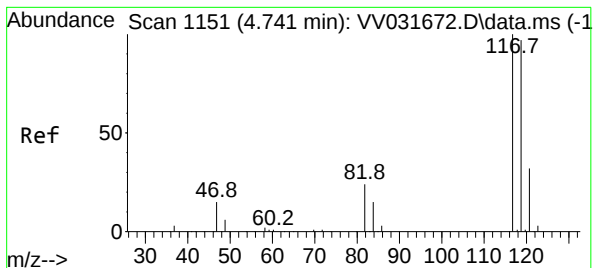
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 42.7 32.2 48.2





#31

Carbon tetrachloride

Concen: 53.991 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

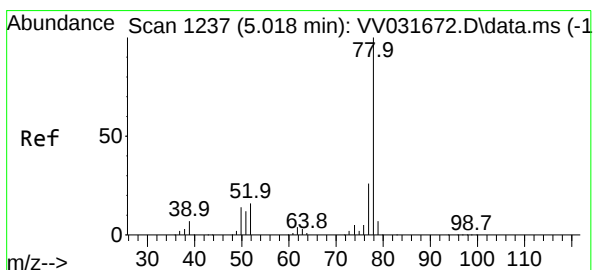
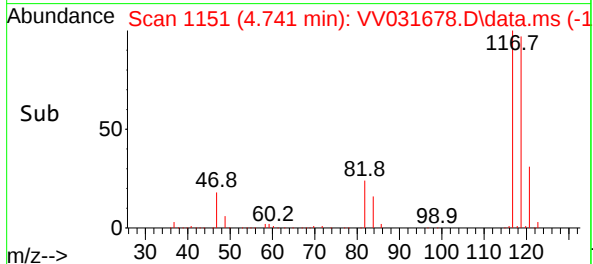
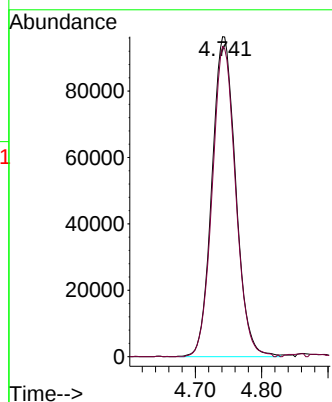
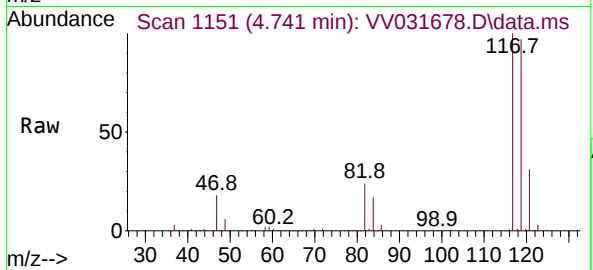
VICV246

Tgt Ion:117 Resp: 239670

Ion Ratio Lower Upper

117 100

119 95.4 78.0 117.0



#33

Benzene

Concen: 58.077 ug/L

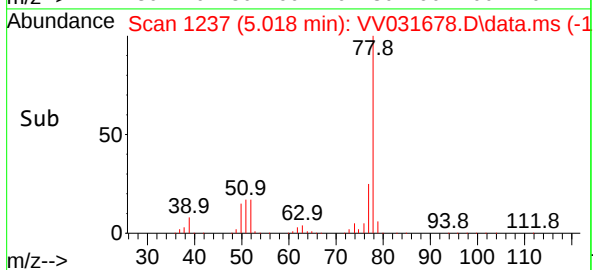
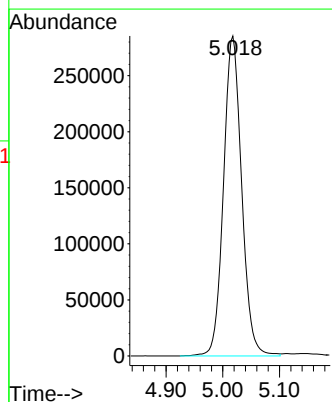
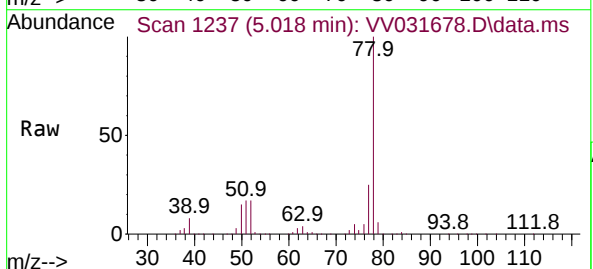
RT: 5.018 min Scan# 1237

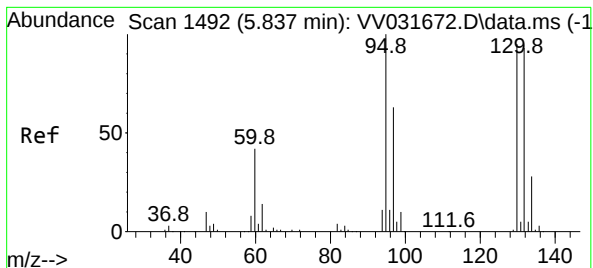
Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Tgt Ion: 78 Resp: 634870





#34

Trichloroethene

Concen: 55.363 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

Tgt Ion: 95 Resp: 170280

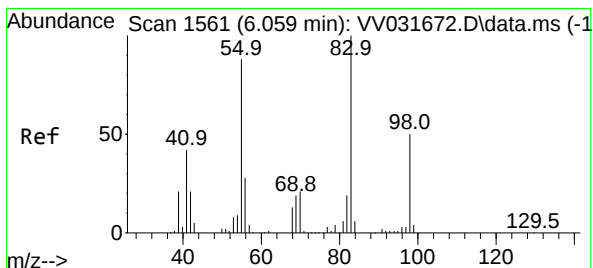
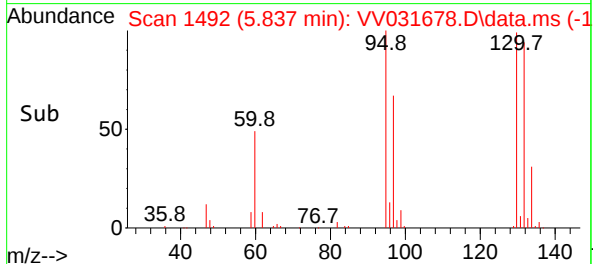
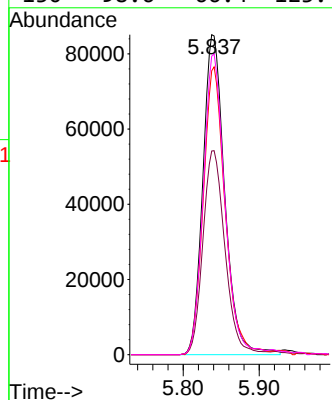
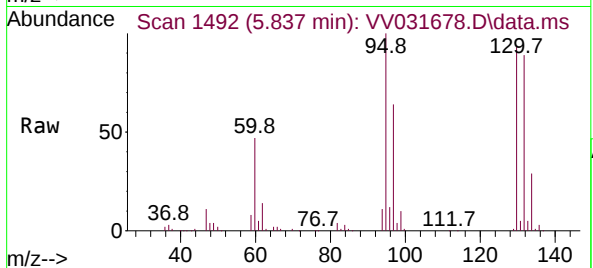
Ion Ratio Lower Upper

95 100

97 63.7 47.0 87.2

132 93.4 64.8 120.4

130 98.6 66.4 123.4



#35

Methylcyclohexane

Concen: 56.454 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

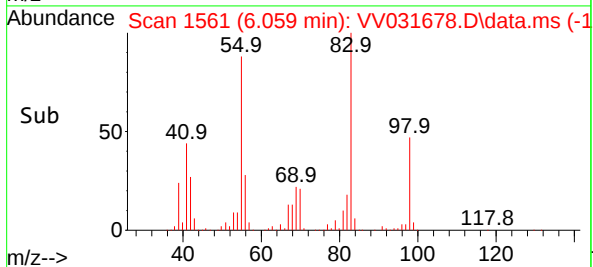
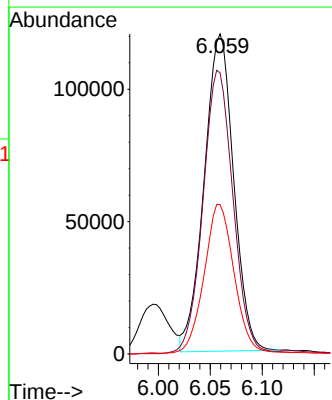
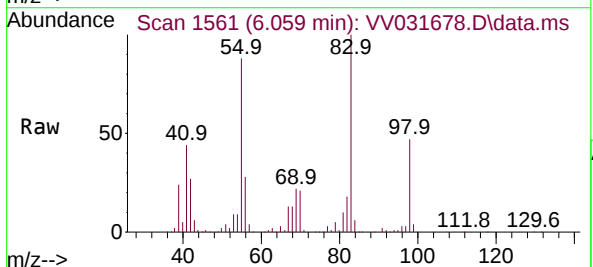
Tgt Ion: 83 Resp: 236338

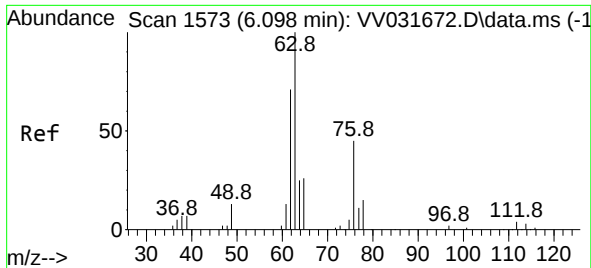
Ion Ratio Lower Upper

83 100

55 91.1 69.4 104.2

98 47.8 38.2 57.2





#37

1,2-Dichloropropane

Concen: 60.776 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

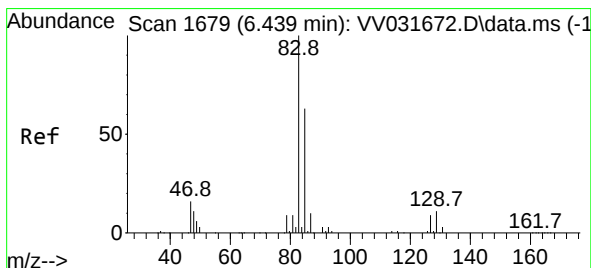
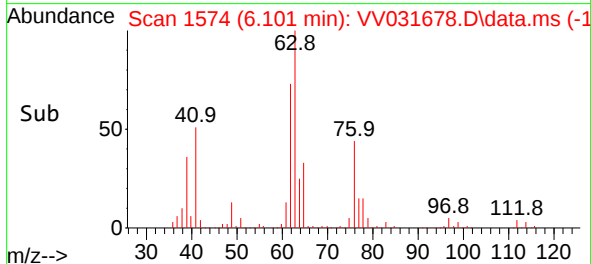
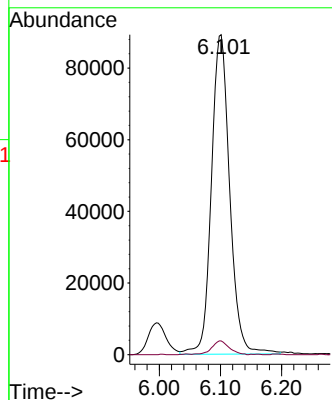
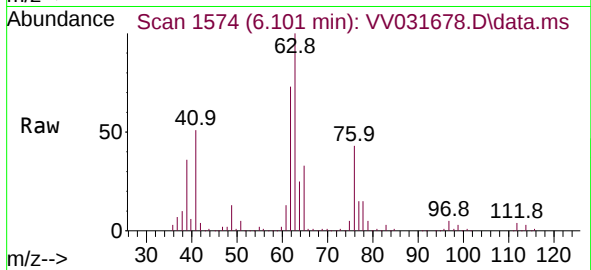
VICV246

Tgt Ion: 63 Resp: 185722

Ion Ratio Lower Upper

63 100

112 3.9 3.7 5.5



#38

Bromodichloromethane

Concen: 57.530 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

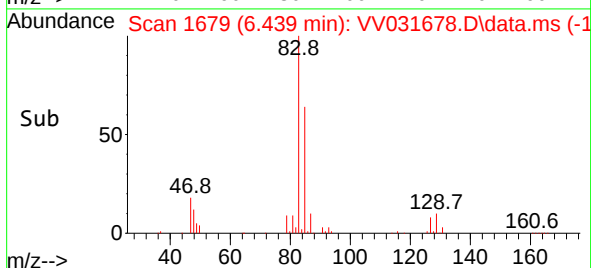
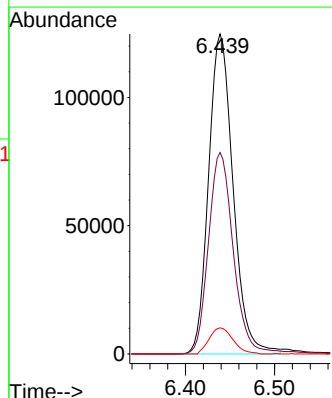
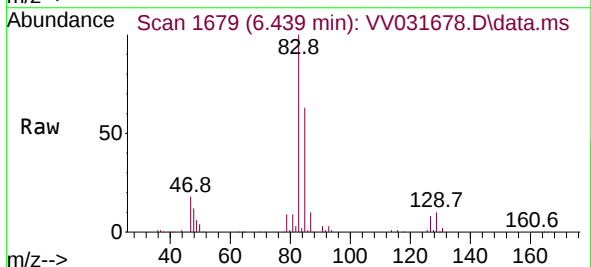
Tgt Ion: 83 Resp: 238316

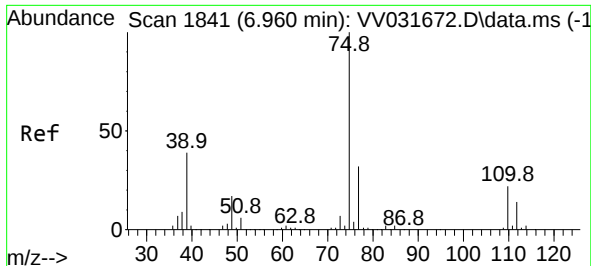
Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.0

127 9.1 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 54.502 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

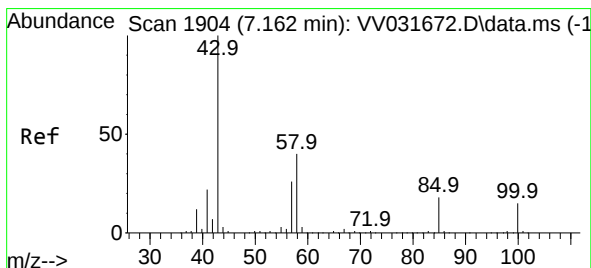
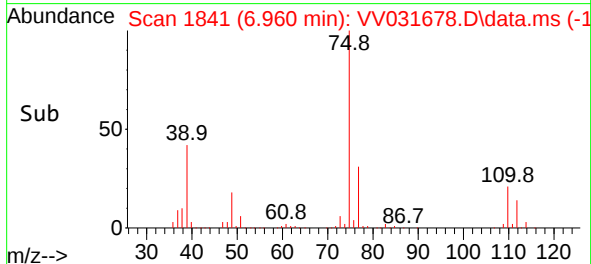
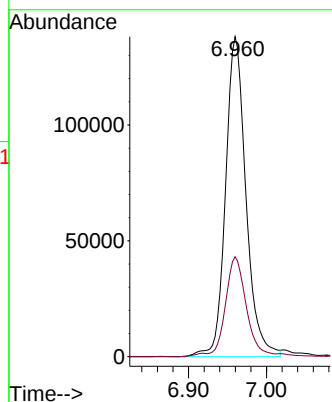
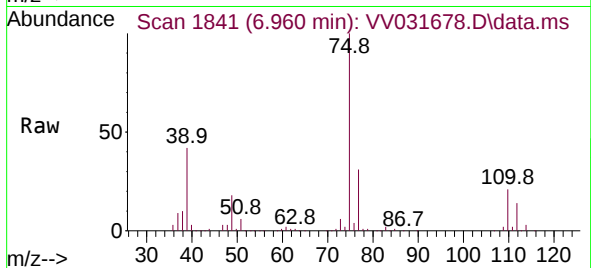
VICV246

Tgt Ion: 75 Resp: 251950

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 121.474 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

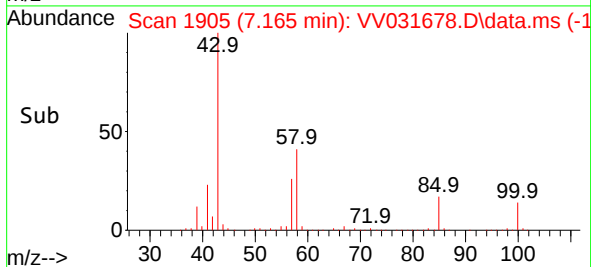
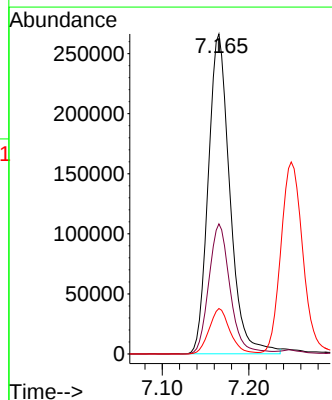
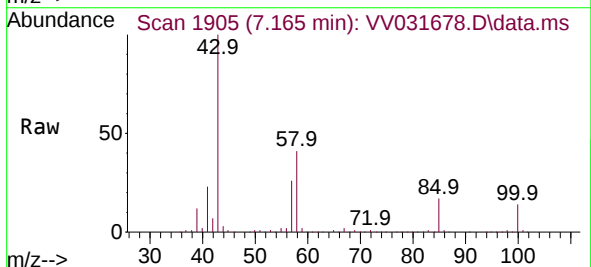
Tgt Ion: 43 Resp: 461701

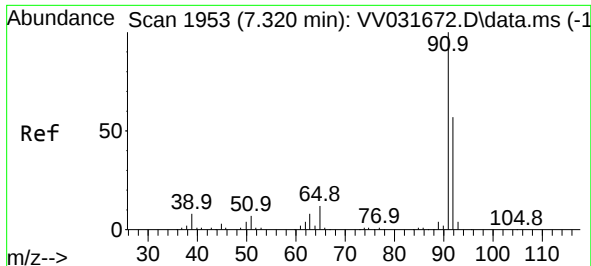
Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1

100 13.7 12.1 18.1





#42

Toluene

Concen: 59.186 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

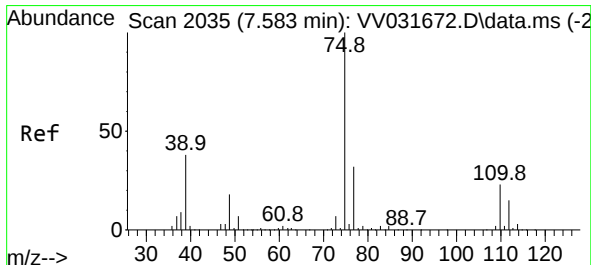
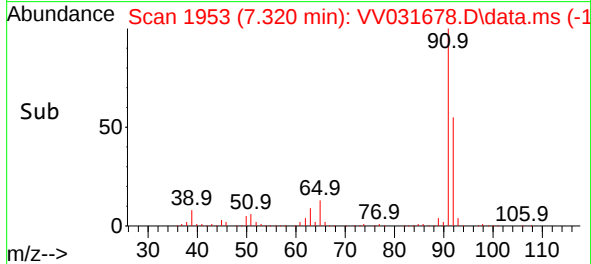
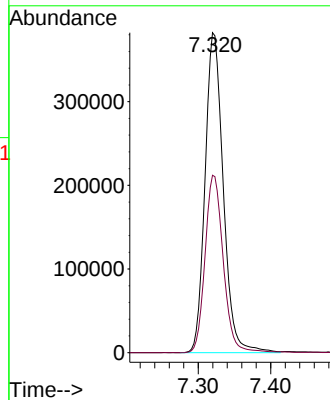
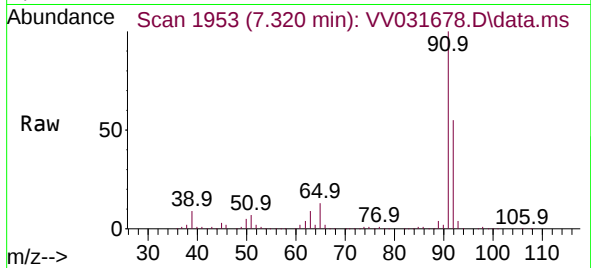
VICV246

Tgt Ion: 91 Resp: 668153

Ion Ratio Lower Upper

91 100

92 55.4 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 55.904 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031678.D

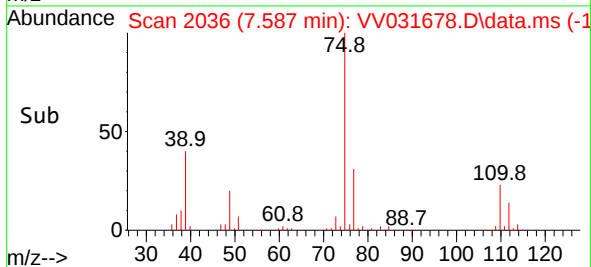
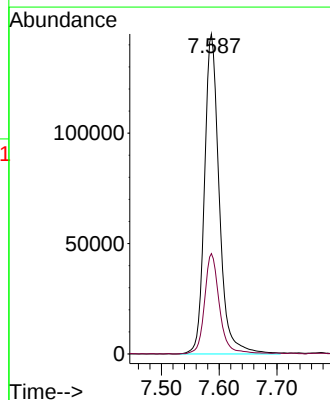
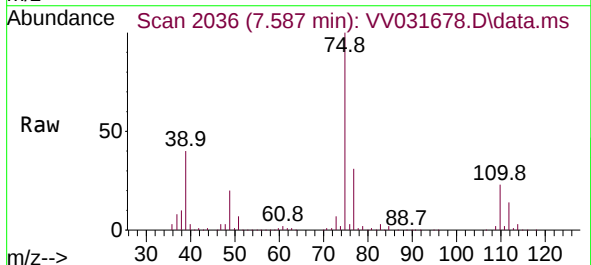
Acq: 11 Jul 2023 14:47

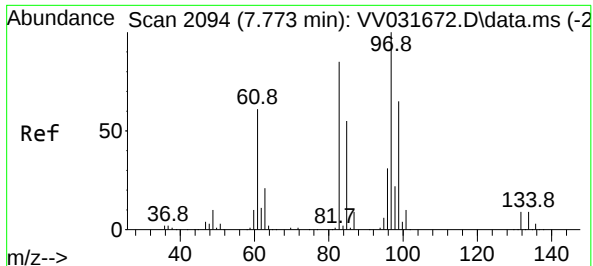
Tgt Ion: 75 Resp: 257805

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 56.661 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

Tgt Ion: 97 Resp: 171428

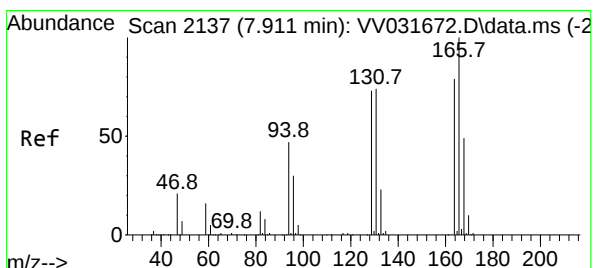
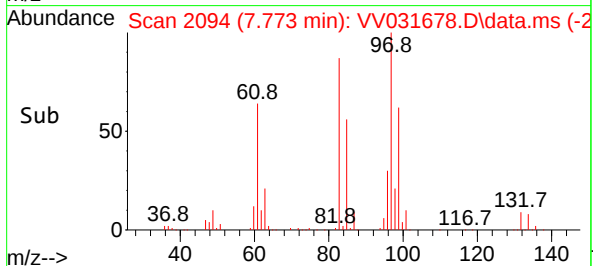
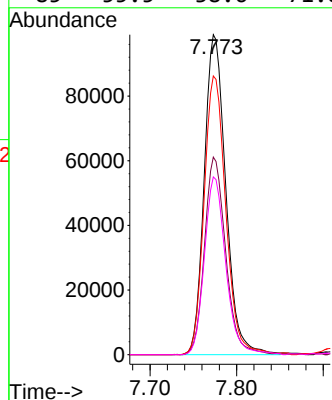
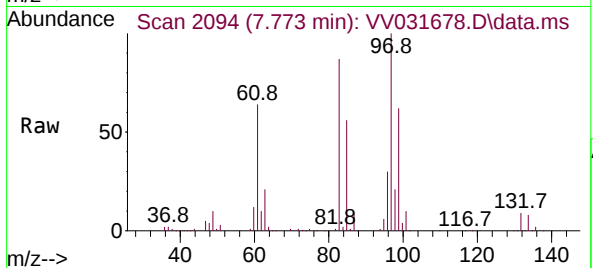
Ion Ratio Lower Upper

97 100

99 61.8 45.2 84.0

83 87.1 59.5 110.5

85 55.5 38.6 71.8



#46

Tetrachloroethene

Concen: 51.853 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Tgt Ion:164 Resp: 121255

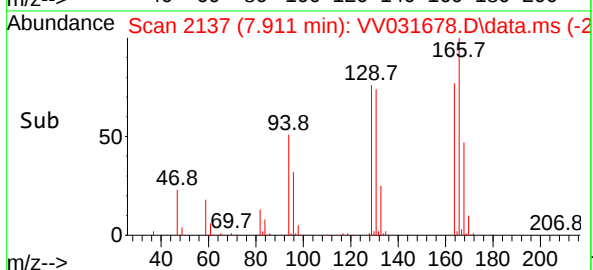
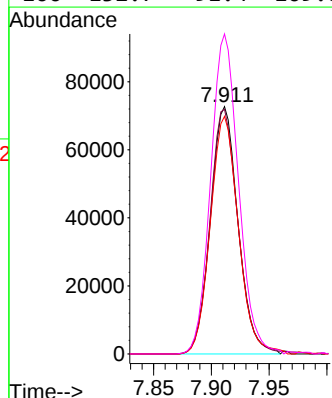
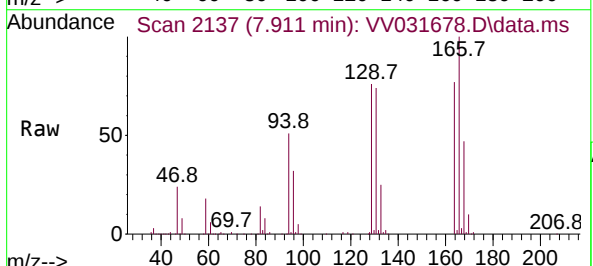
Ion Ratio Lower Upper

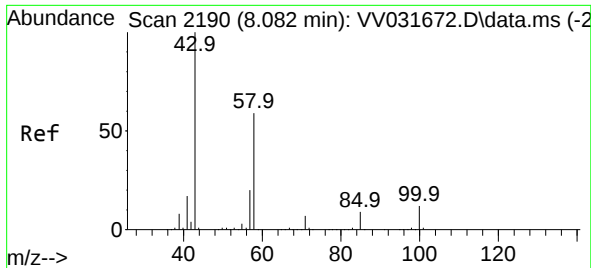
164 100

129 98.9 65.2 121.0

131 98.1 67.1 124.7

166 132.7 91.4 169.8



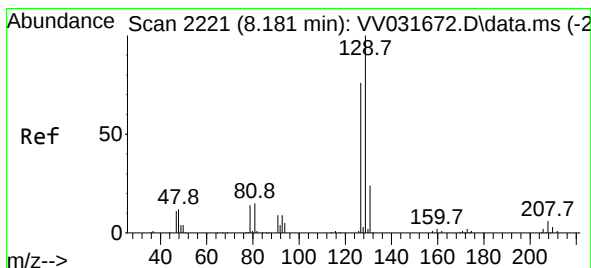
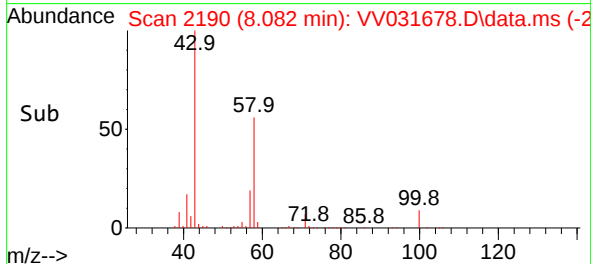
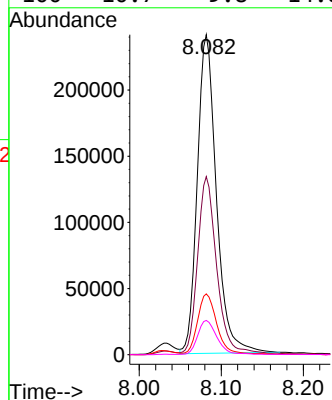
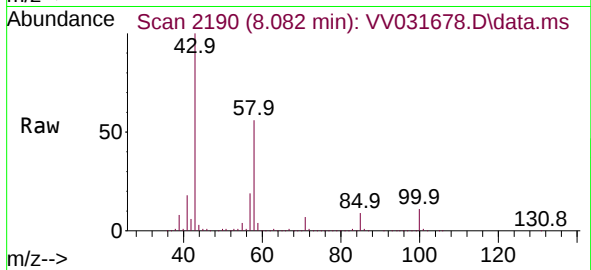


#48
2-Hexanone
Concen: 122.039 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Instrument :
MSVOA_V
ClientSampleId :
VICV246

Tgt Ion: 43 Resp: 389839

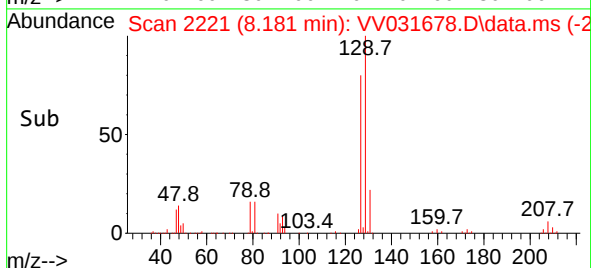
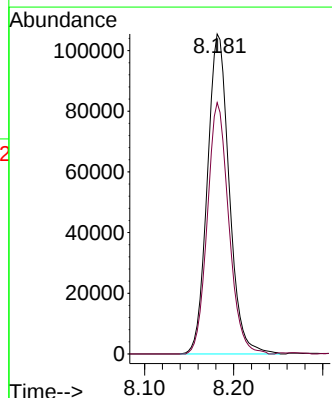
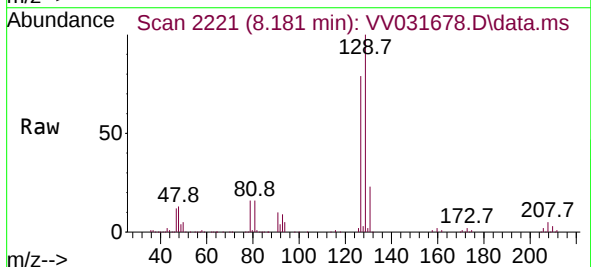
Ion	Ratio	Lower	Upper
43	100		
58	54.8	46.3	69.5
57	19.5	16.8	25.2
100	10.7	9.8	14.8

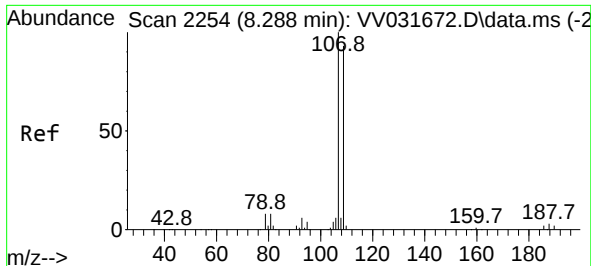


#49
Dibromochloromethane
Concen: 53.454 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion: 129 Resp: 179607

Ion	Ratio	Lower	Upper
129	100		
127	80.0	55.2	102.6





#50

1,2-Dibromoethane

Concen: 53.317 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

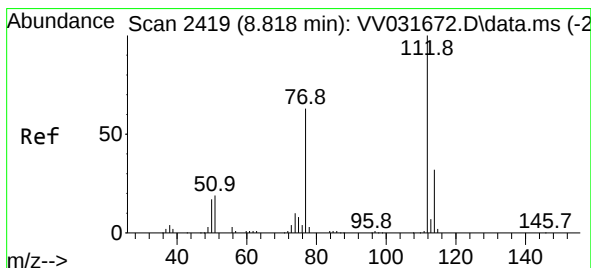
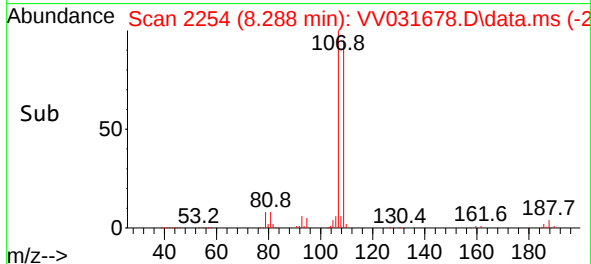
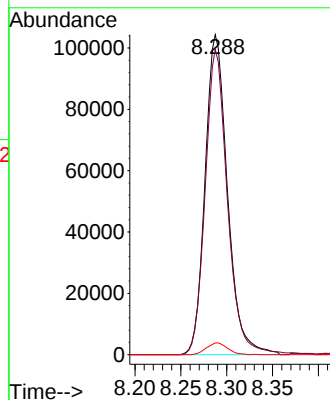
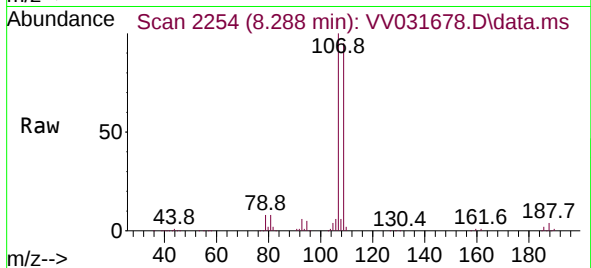
Tgt Ion:107 Resp: 177751

Ion Ratio Lower Upper

107 100

109 95.4 65.4 121.4

188 3.7 2.8 4.2



#51

Chlorobenzene

Concen: 53.356 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

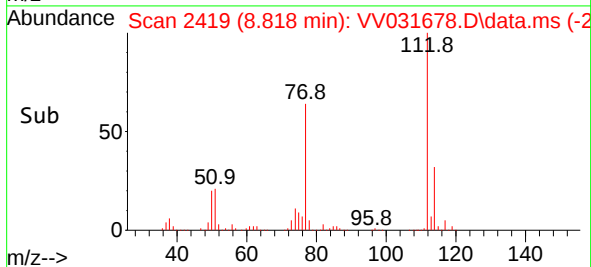
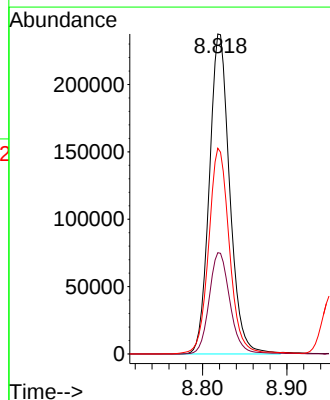
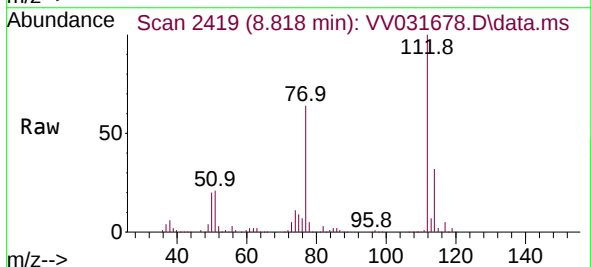
Tgt Ion:112 Resp: 399262

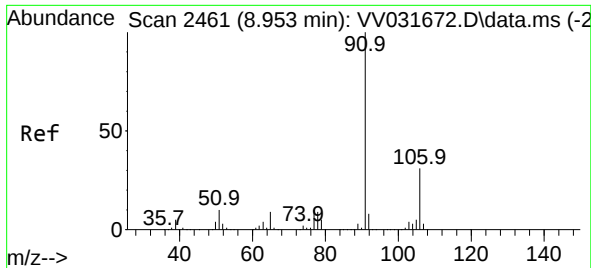
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 64.3 50.6 76.0

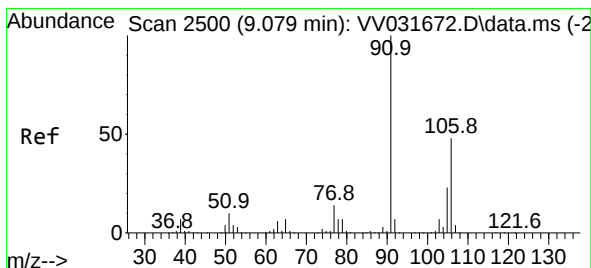
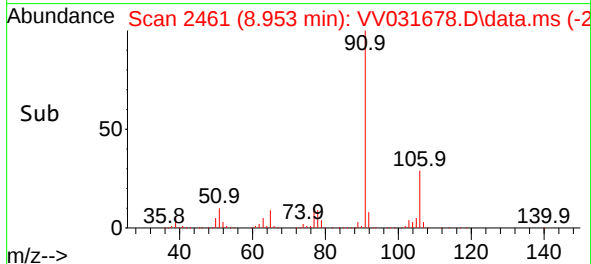
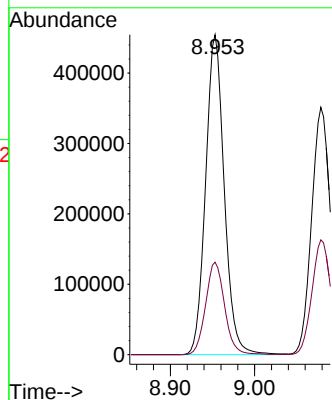
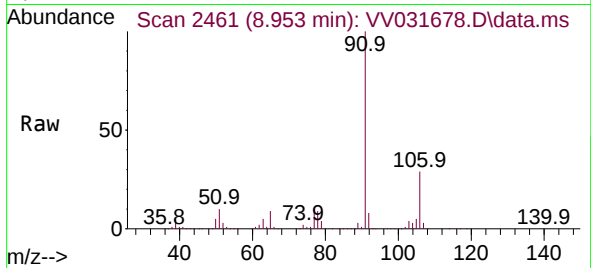




#52
Ethylbenzene
Concen: 56.975 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

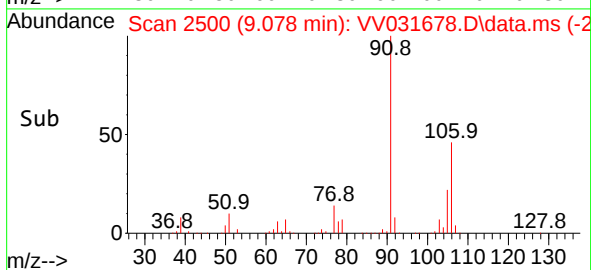
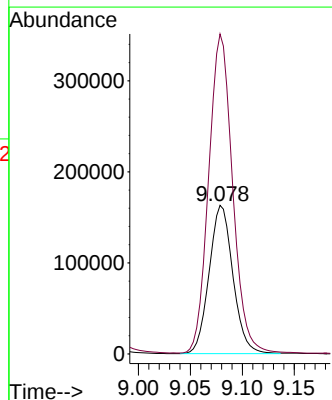
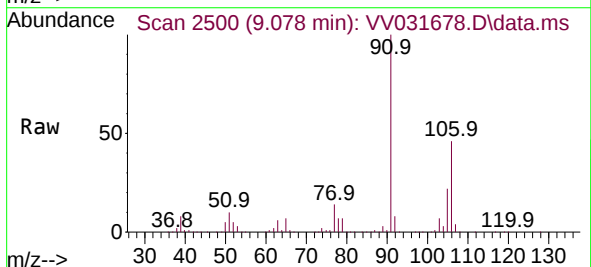
Instrument :
MSVOA_V
ClientSampleId :
VICV246

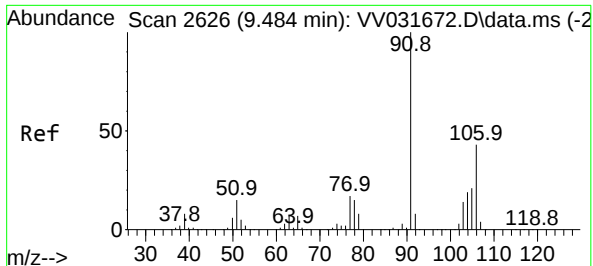
Tgt Ion: 91 Resp: 699813
Ion Ratio Lower Upper
91 100
106 28.9 21.5 39.9



#53
m,p-Xylene
Concen: 57.307 ug/L
RT: 9.078 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion: 106 Resp: 259508
Ion Ratio Lower Upper
106 100
91 215.3 145.6 270.4

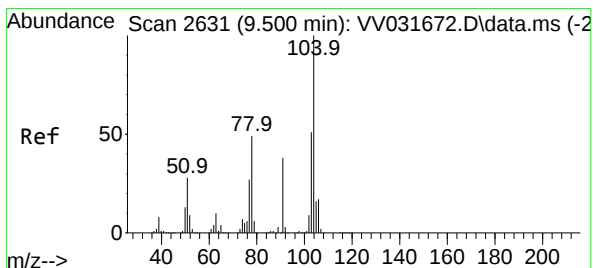
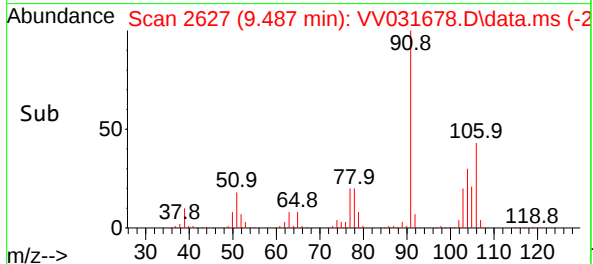
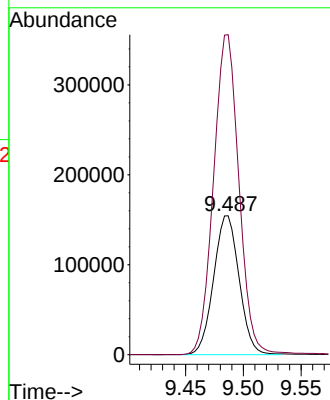
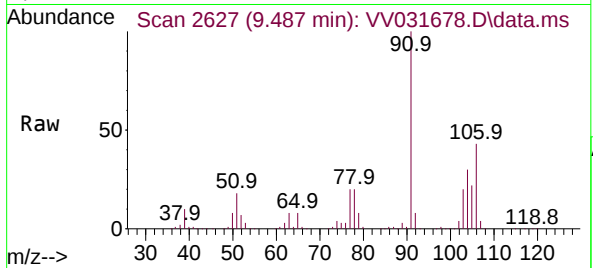




#54
o-Xylene
Concen: 56.605 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

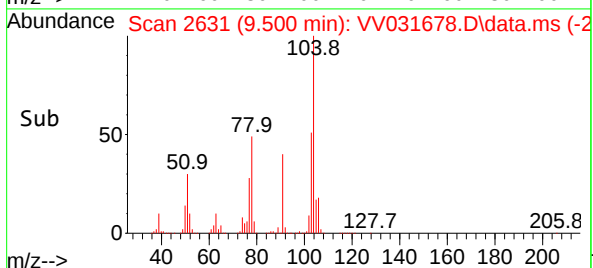
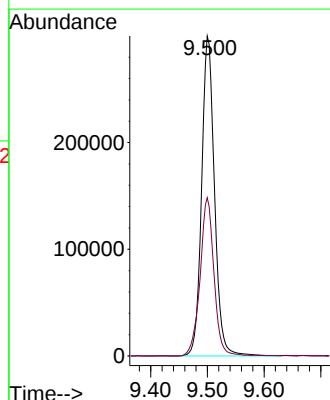
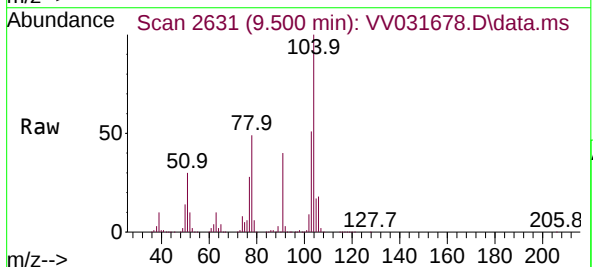
Instrument :
MSVOA_V
ClientSampleId :
VICV246

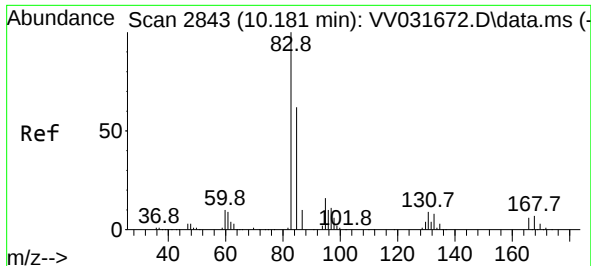
Tgt Ion:106 Resp: 237399
Ion Ratio Lower Upper
106 100
91 230.5 163.0 302.6



#55
Styrene
Concen: 61.350 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion:104 Resp: 473671
Ion Ratio Lower Upper
104 100
78 49.5 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 55.463 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

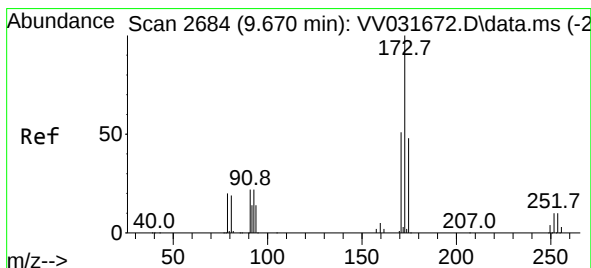
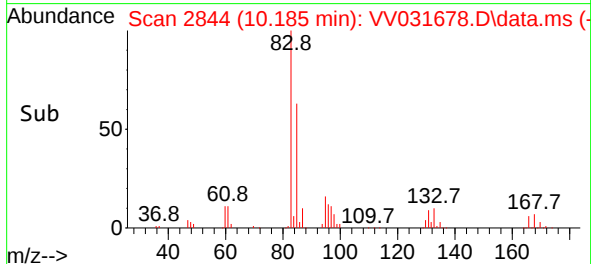
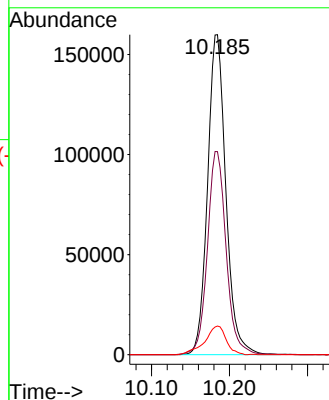
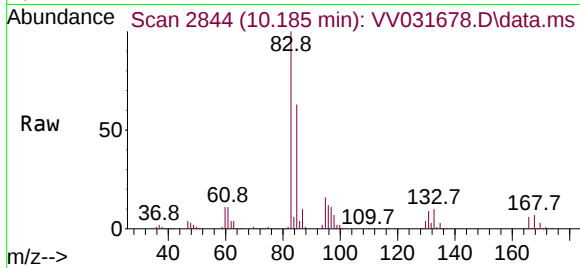
Tgt Ion: 83 Resp: 260515

Ion Ratio Lower Upper

83 100

85 63.5 43.4 80.6

131 12.3 10.9 16.3



#59

Bromoform

Concen: 54.582 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

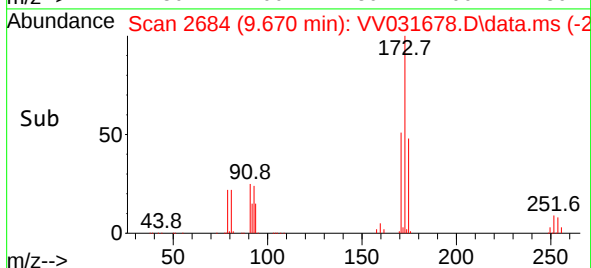
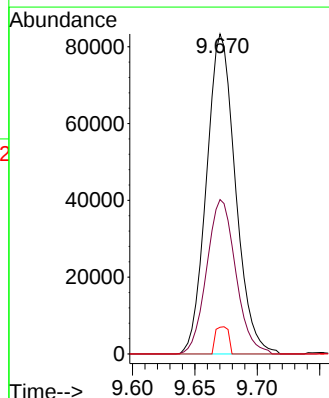
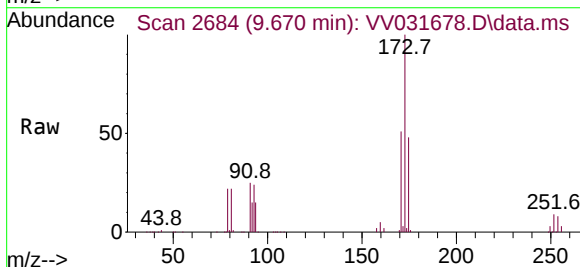
Tgt Ion: 173 Resp: 134614

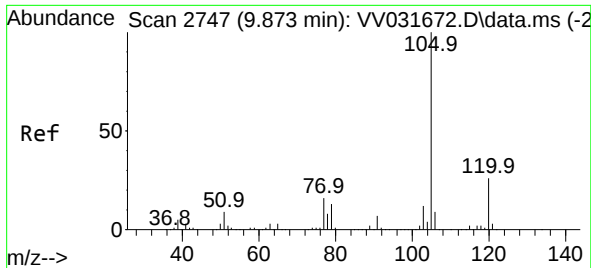
Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

254 0.0 6.9 10.3

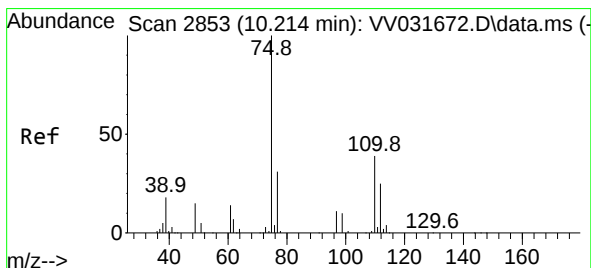
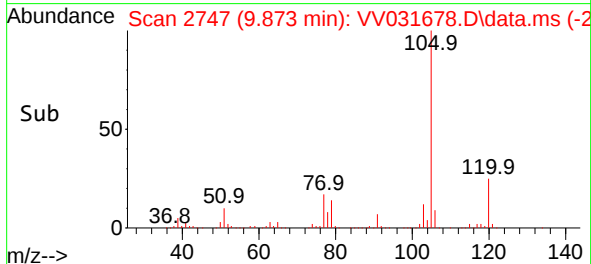
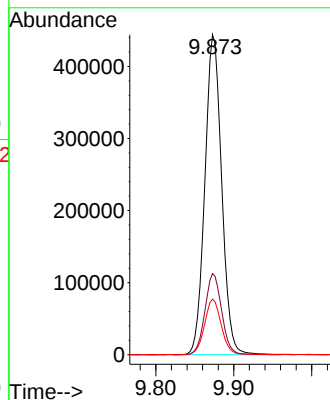
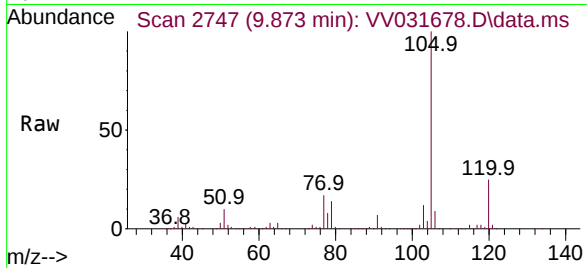




#60
Isopropylbenzene
Concen: 56.479 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

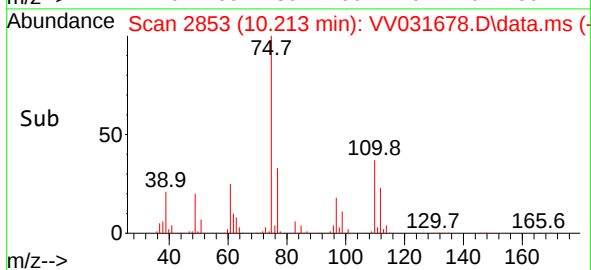
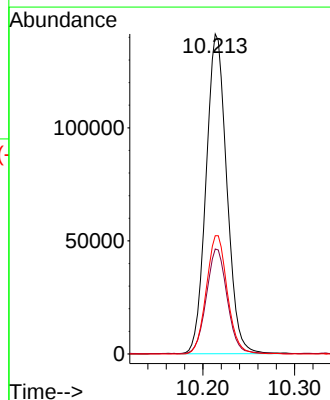
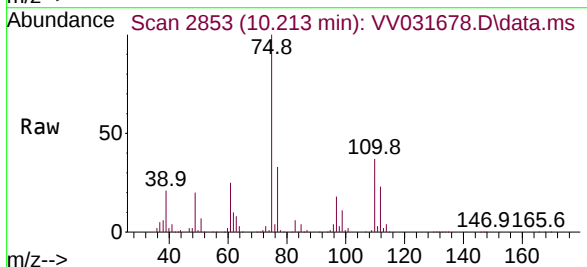
Instrument :
MSVOA_V
ClientSampleId :
VICV246

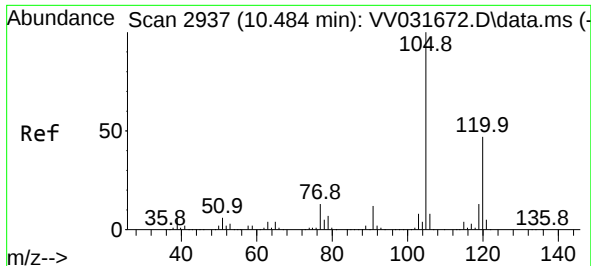
Tgt Ion:105 Resp: 665627
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8
77 17.1 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 55.272 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion: 75 Resp: 221868
Ion Ratio Lower Upper
75 100
77 32.8 25.1 37.7
110 37.5 31.4 47.0





#62

1,3,5-Trimethylbenzene

Concen: 56.261 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

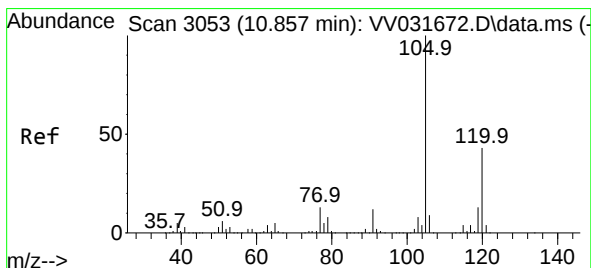
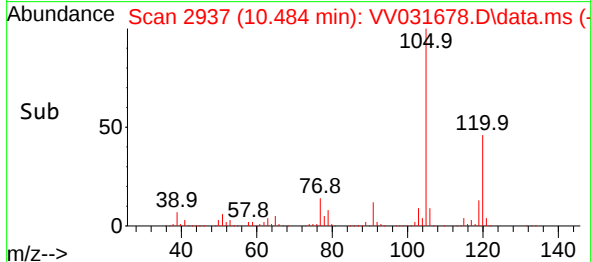
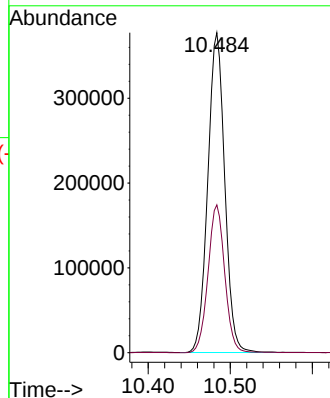
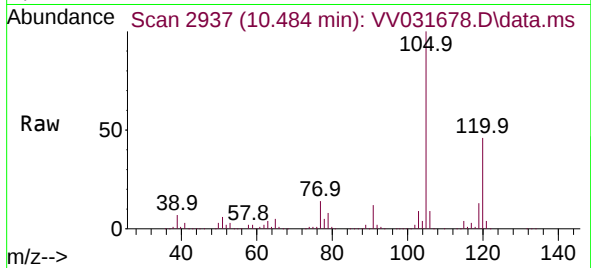
VICV246

Tgt Ion:105 Resp: 541780

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 57.634 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031678.D

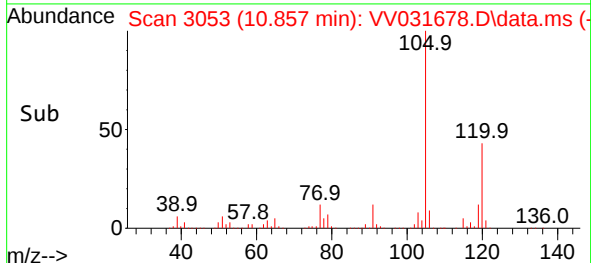
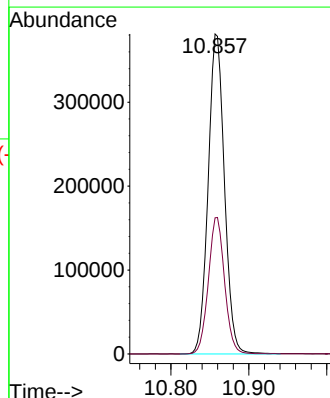
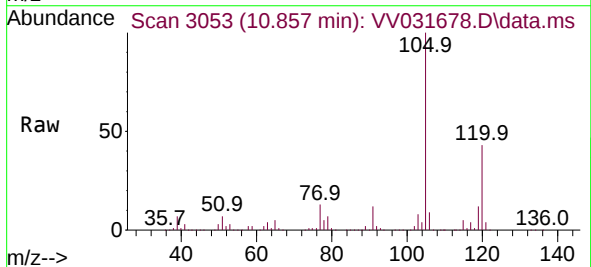
Acq: 11 Jul 2023 14:47

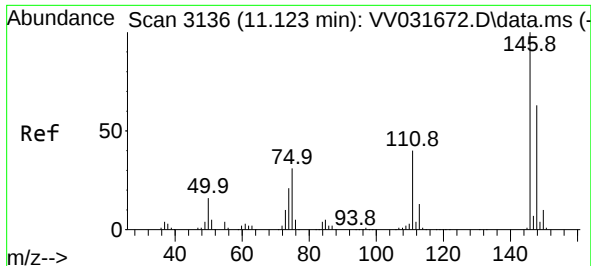
Tgt Ion:105 Resp: 552796

Ion Ratio Lower Upper

105 100

120 42.5 34.7 52.1

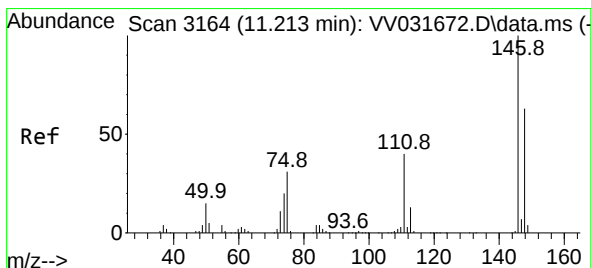
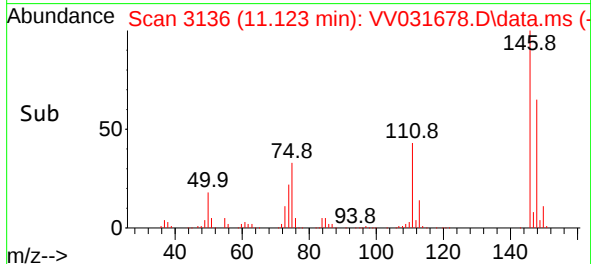
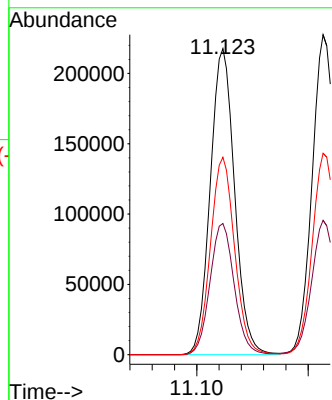
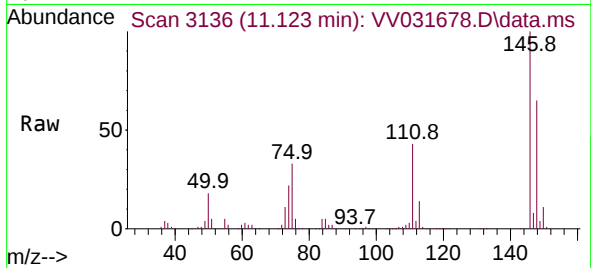




#64
1,3-Dichlorobenzene
Concen: 53.960 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

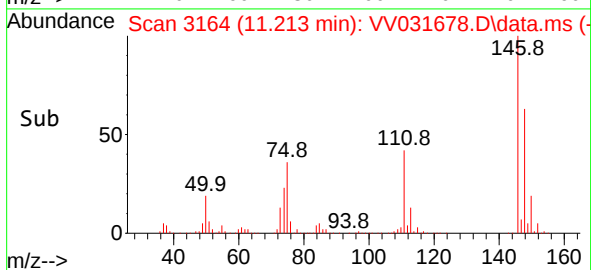
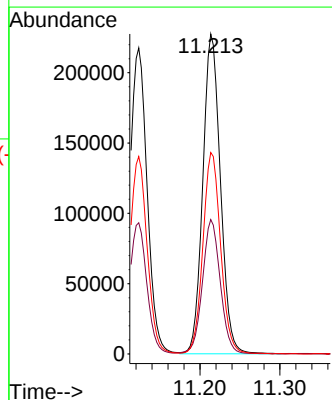
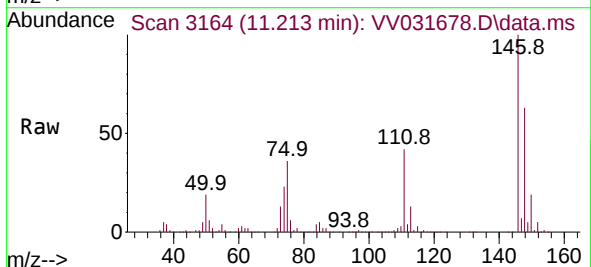
Instrument :
MSVOA_V
ClientSampleId :
VICV246

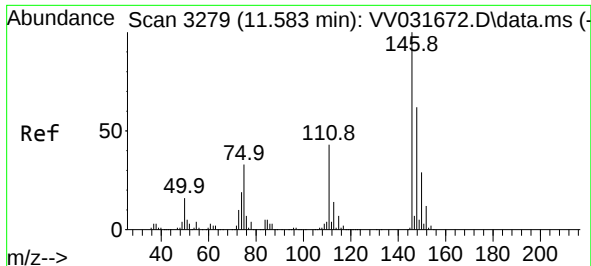
Tgt Ion:146 Resp: 330310
Ion Ratio Lower Upper
146 100
111 42.9 28.3 52.5
148 64.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 52.628 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031678.D
Acq: 11 Jul 2023 14:47

Tgt Ion:146 Resp: 349402
Ion Ratio Lower Upper
146 100
111 42.0 28.3 52.7
148 62.9 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 52.365 ug/L

RT: 11.586 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

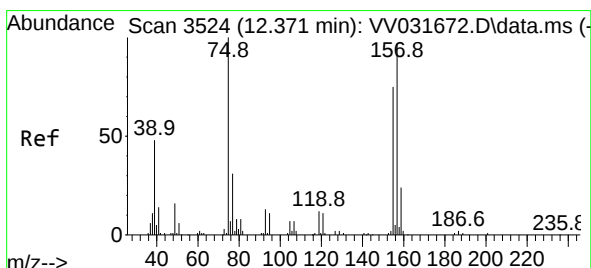
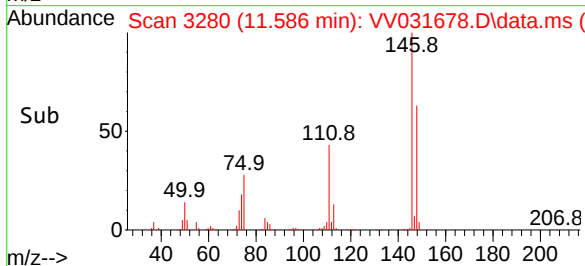
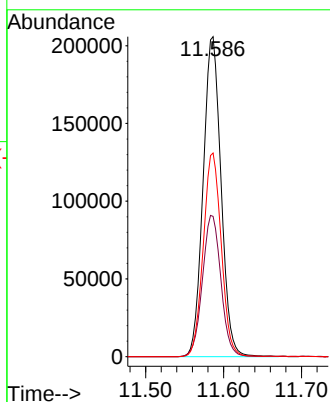
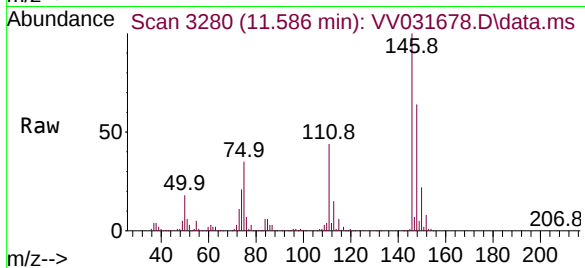
Tgt Ion:146 Resp: 328755

Ion Ratio Lower Upper

146 100

111 43.9 34.8 52.2

148 63.6 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 52.124 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

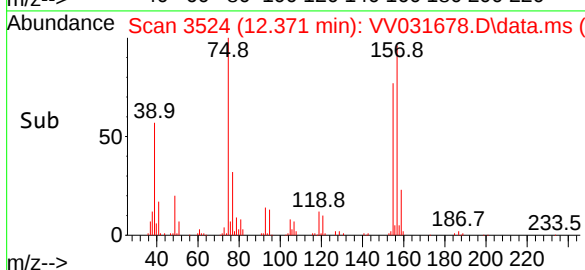
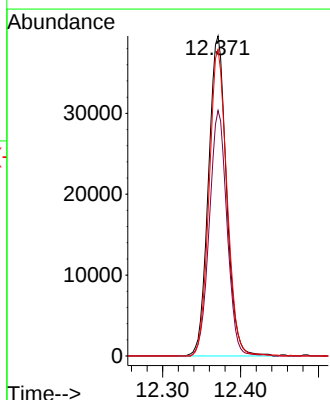
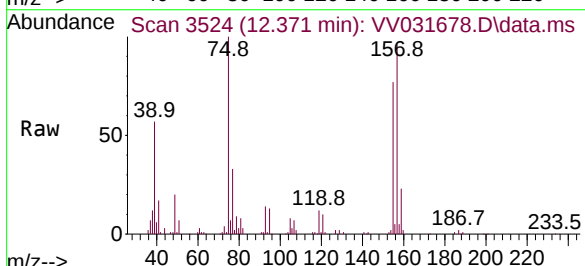
Tgt Ion: 75 Resp: 63842

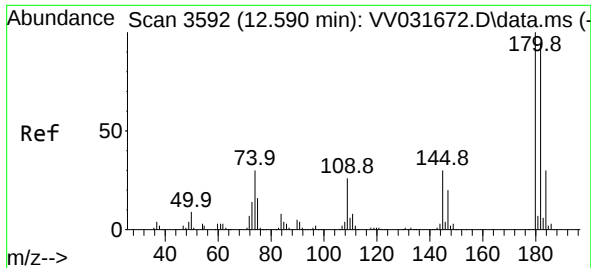
Ion Ratio Lower Upper

75 100

155 82.1 59.9 89.9

157 95.8 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 51.789 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

Tgt Ion:180 Resp: 237492

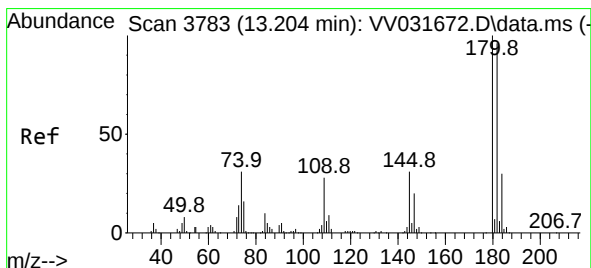
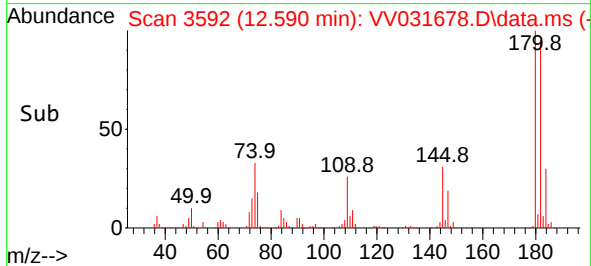
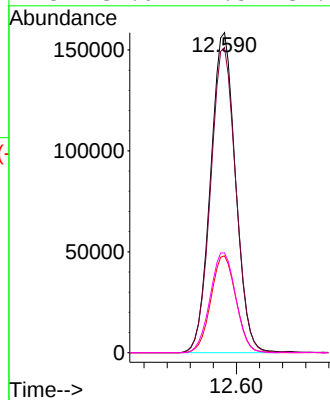
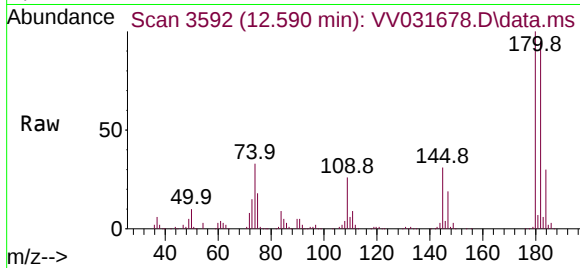
Ion Ratio Lower Upper

180 100

182 96.4 75.5 113.3

184 30.5 23.7 35.5

145 32.0 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 50.870 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

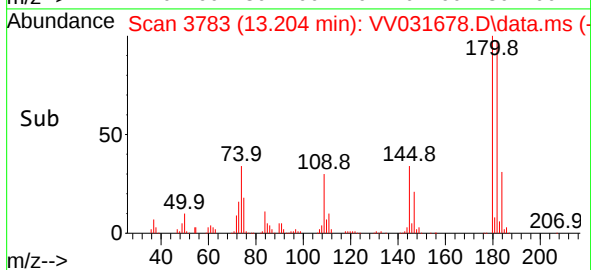
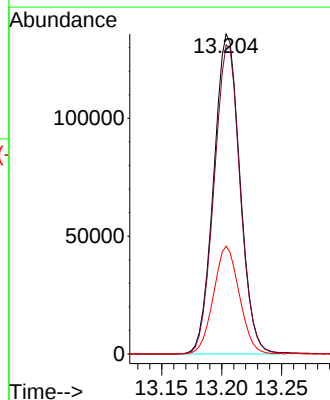
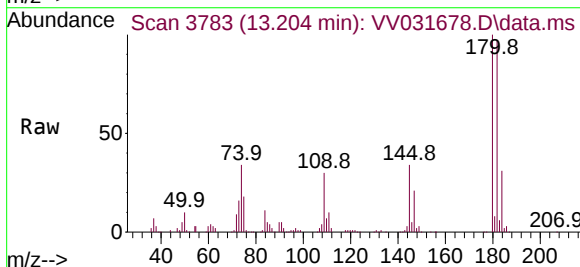
Tgt Ion:180 Resp: 206706

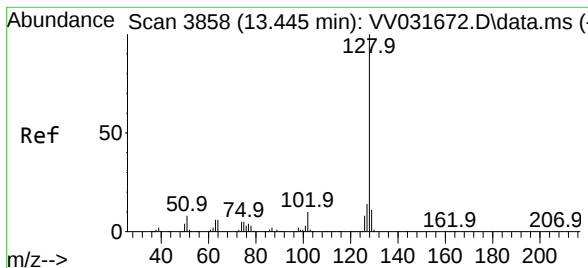
Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

145 33.2 25.4 38.2





#71

Naphthalene

Concen: 52.955 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

VICV246

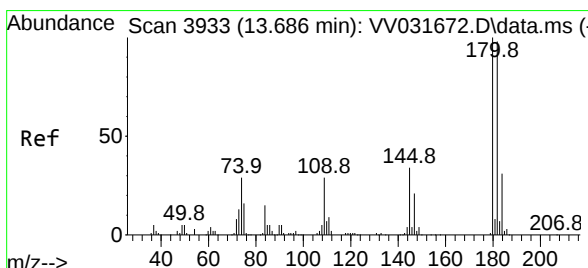
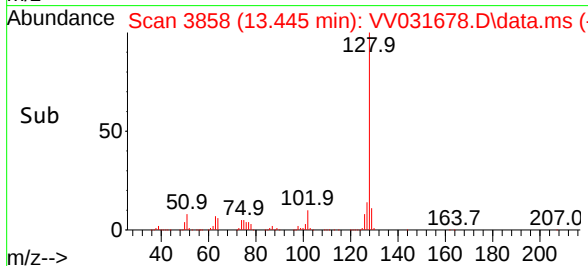
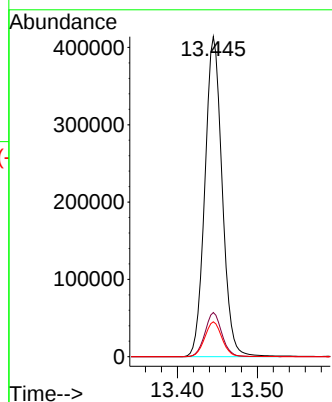
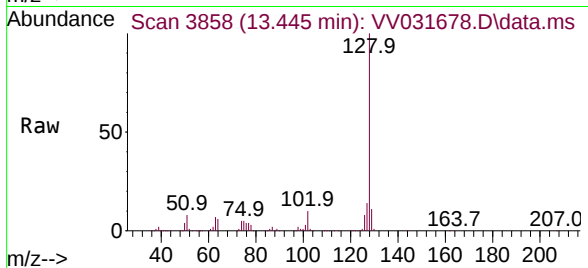
Tgt Ion:128 Resp: 622650

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.4

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.364 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031678.D

Acq: 11 Jul 2023 14:47

Tgt Ion:180 Resp: 223089

Ion Ratio Lower Upper

180 100

182 95.5 76.7 115.1

145 34.0 27.7 41.5

