

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031677.D
 Acq On : 11 Jul 2023 13:30
 Operator : SY/MD
 Sample : VSTD01045
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 12 07:41:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	256762	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	312931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	170277	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	27454	15.183	ug/L	0.00
7) Chloroethane-d5	1.532	69	21880	14.048	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	12813	13.984	ug/L	0.00
21) 2-Butanone-d5	3.809	46	33048	23.793	ug/L	0.01
24) Chloroform-d	4.256	84	53327	12.209	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	33343	12.368	ug/L	0.00
32) Benzene-d6	4.966	84	86210	9.706	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	24231	7.760	ug/L	0.00
41) Toluene-d8	7.249	98	67289	8.220	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	13884	9.212	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	16868	14.036	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	45220	9.648	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	29875	9.281	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	34557	12.272	ug/L	97
3) Chloromethane	1.217	50	39099	14.666	ug/L	98
5) Vinyl chloride	1.285	62	36305	13.795	ug/L	98
6) Bromomethane	1.487	94	22650	13.408	ug/L	93
8) Chloroethane	1.551	64	21682	12.848	ug/L	100
9) Trichlorofluoromethane	1.715	101	49038	11.362	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	29830	12.716	ug/L	95
12) 1,1-Dichloroethene	2.072	96	25295	12.875	ug/L	93
13) Acetone	2.117	43	27332	19.918	ug/L	95
14) Carbon disulfide	2.243	76	84218	14.046	ug/L	100
15) Methyl Acetate	2.378	43	30114	12.906	ug/L	99
16) Methylene chloride	2.452	84	30064	12.373	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	24101	11.935	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	66853	10.125	ug/L	95
19) 1,1-Dichloroethane	3.117	63	51157	11.834	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	23411	10.837	ug/L	90
22) 2-Butanone	3.892	43	29554	17.015	ug/L	80
23) Bromochloromethane	4.156	128	12933	10.909	ug/L	81
25) Chloroform	4.284	83	53695	11.939	ug/L	99
27) 1,2-Dichloroethane	5.053	62	32219	9.347	ug/L	98
29) Cyclohexane	4.590	56	33343	8.221	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	46953	9.398	ug/L	98
31) Carbon tetrachloride	4.741	117	39730	8.979	ug/L	97
33) Benzene	5.018	78	92945	8.920	ug/L	100
34) Trichloroethene	5.841	95	24243	8.599	ug/L	94
35) Methylcyclohexane	6.056	83	28803	7.063	ug/L	99
37) 1,2-Dichloropropane	6.101	63	21391	7.033	ug/L	# 92
38) Bromodichloromethane	6.442	83	31467	7.605	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	32571	7.248	ug/L	97
40) 4-Methyl-2-pentanone	7.165	43	48947	13.722	ug/L	98
42) Toluene	7.323	91	83588	7.715	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	38390	8.746	ug/L	95

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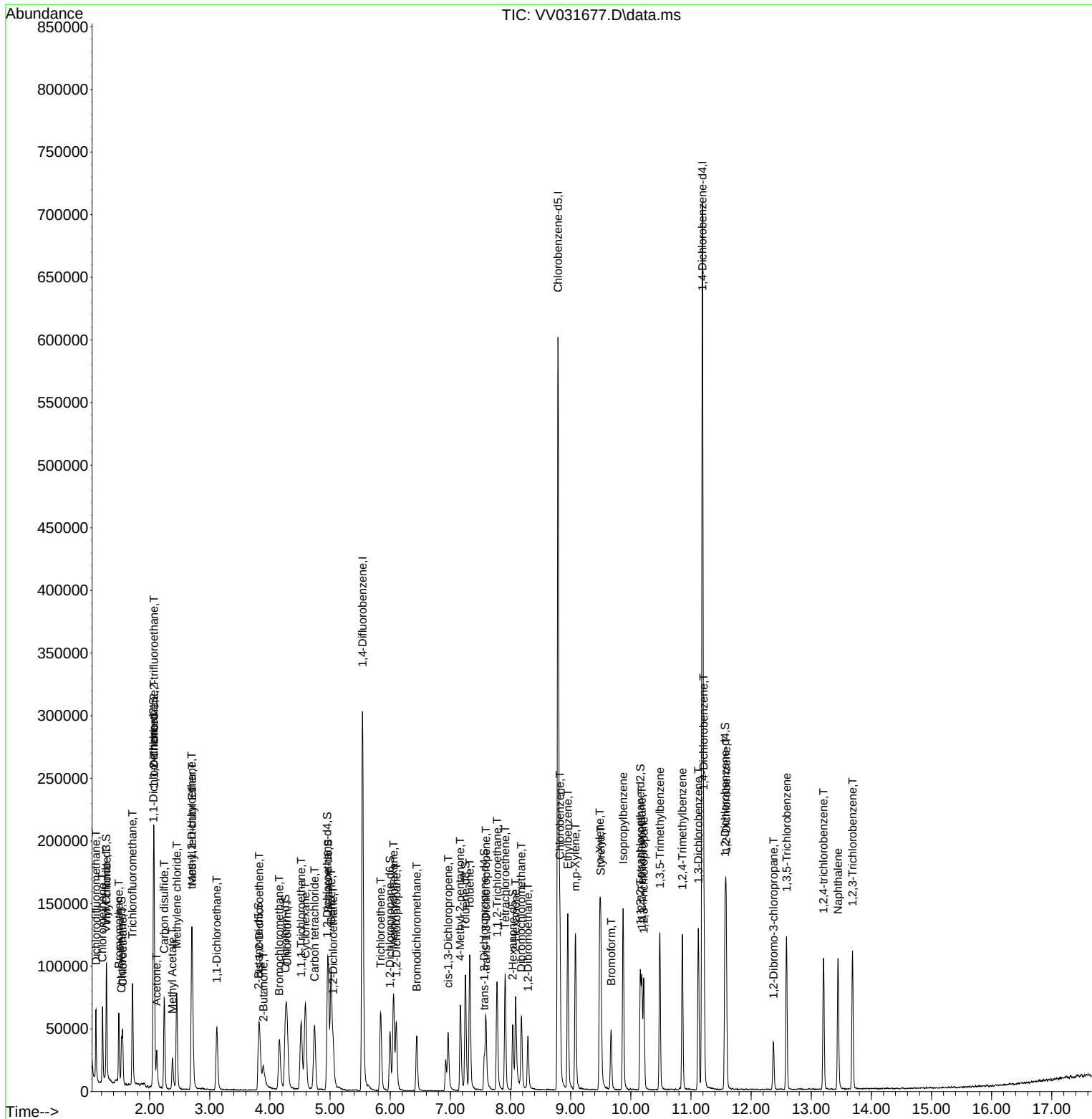
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
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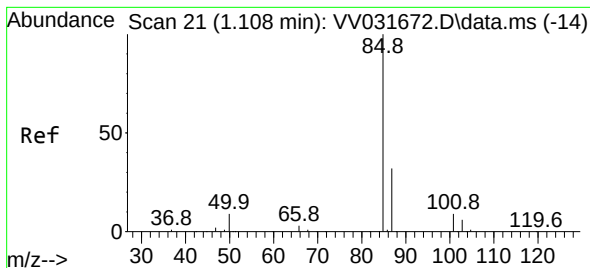
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	27364	9.437	ug/L	97
46) Tetrachloroethene	7.911	164	20925	9.511	ug/L	94
48) 2-Hexanone	8.085	43	47054	16.275	ug/L #	91
49) Dibromochloromethane	8.181	129	30105	9.318	ug/L	96
50) 1,2-Dibromoethane	8.291	107	30228	9.759	ug/L	99
51) Chlorobenzene	8.821	112	67527	9.430	ug/L	96
52) Ethylbenzene	8.953	91	94884	7.922	ug/L	96
53) m,p-Xylene	9.082	106	33503	7.571	ug/L	94
54) o-Xylene	9.484	106	31302	7.519	ug/L	99
55) Styrene	9.503	104	55638	7.388	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	42914	9.187	ug/L	99
59) Bromoform	9.673	173	21388	10.046	ug/L #	90
60) Isopropylbenzene	9.873	105	84355	7.868	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	36517	10.814	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	64378	7.297	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	63629	7.607	ug/L	96
64) 1,3-Dichlorobenzene	11.123	146	49821	9.159	ug/L	96
65) 1,4-Dichlorobenzene	11.213	146	55390	9.532	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	51203	9.301	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	10402	10.275	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	35566	8.585	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	30269	8.370	ug/L	98
71) Naphthalene	13.445	128	78136	8.402	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	31146	8.292	ug/L	99

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

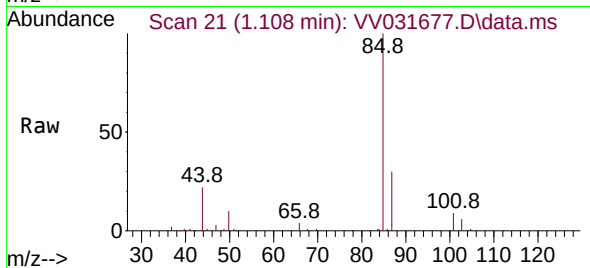
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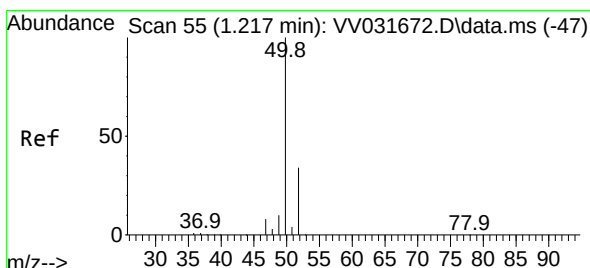
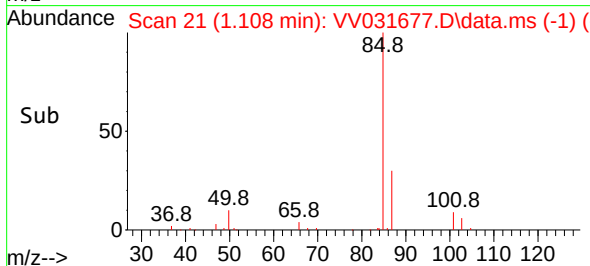
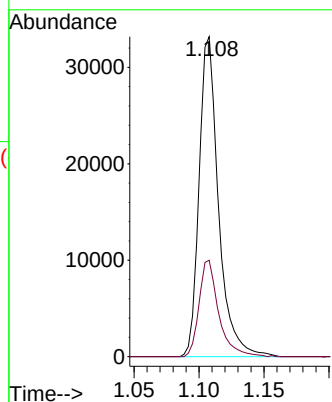


#2
 Dichlorodifluoromethane
 Concen: 12.272 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031677.D
 Acq: 11 Jul 2023 13:30

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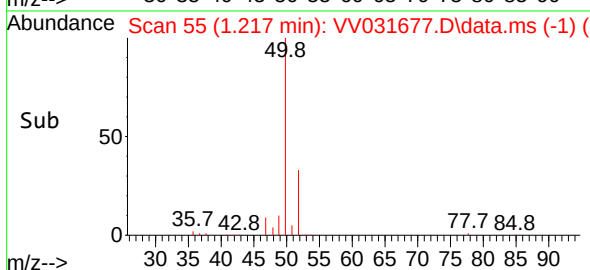
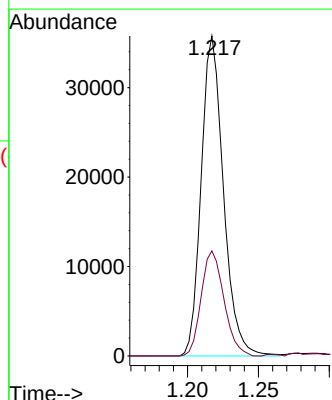
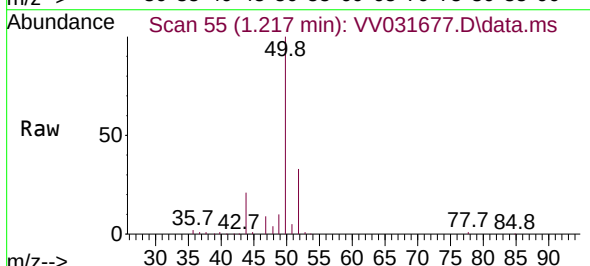


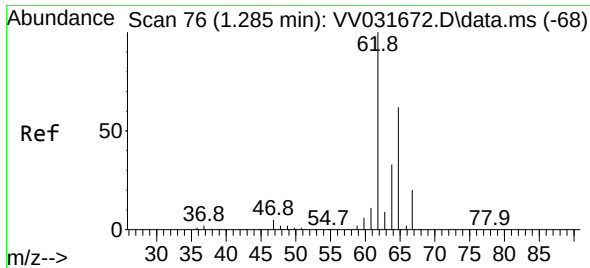
Tgt Ion: 85 Resp: 34557
 Ion Ratio Lower Upper
 85 100
 87 30.5 25.8 38.6



#3
 Chloromethane
 Concen: 14.666 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031677.D
 Acq: 11 Jul 2023 13:30

Tgt Ion: 50 Resp: 39099
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.7 44.1

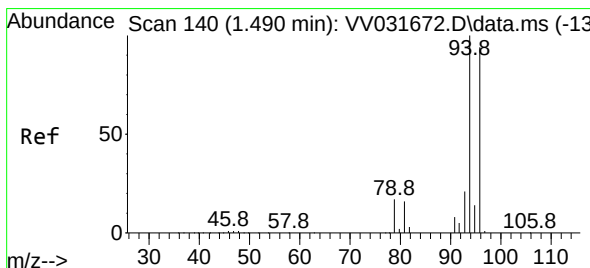
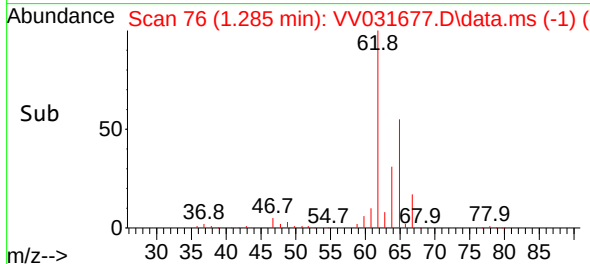
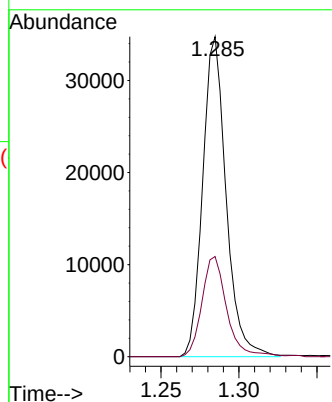
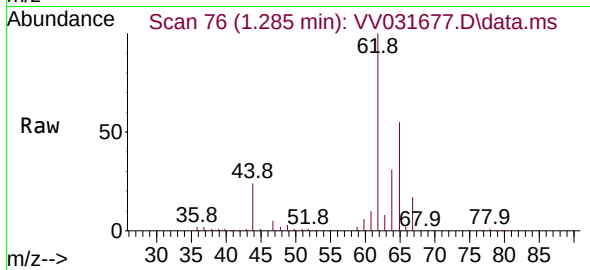




#5
 Vinyl chloride
 Concen: 13.795 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV031677.D
 Acq: 11 Jul 2023 13:30

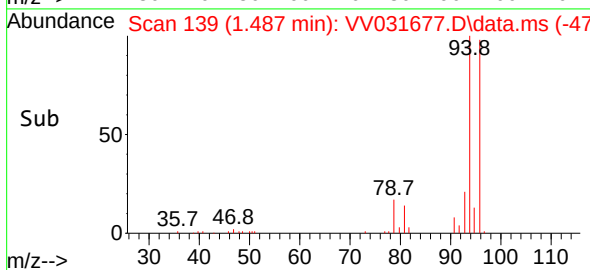
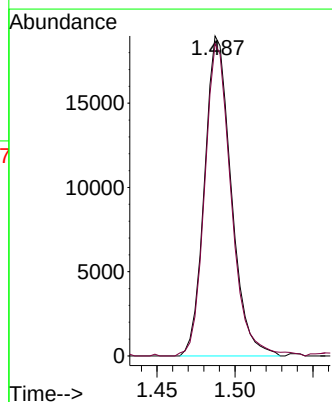
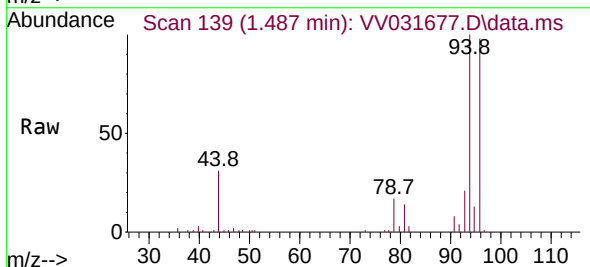
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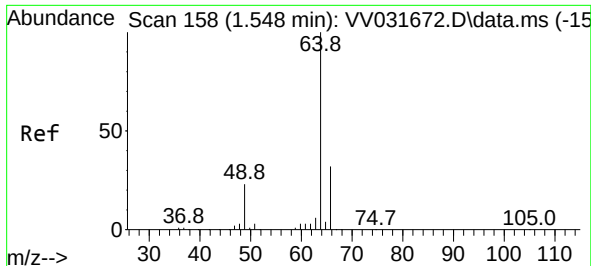
Tgt Ion: 62 Resp: 36305
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.9 42.5



#6
 Bromomethane
 Concen: 13.408 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031677.D
 Acq: 11 Jul 2023 13:30

Tgt Ion: 94 Resp: 22650
 Ion Ratio Lower Upper
 94 100
 96 86.9 65.7 121.9

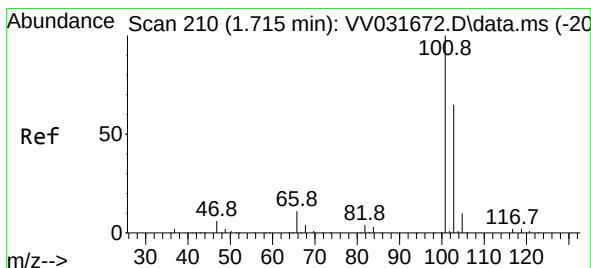
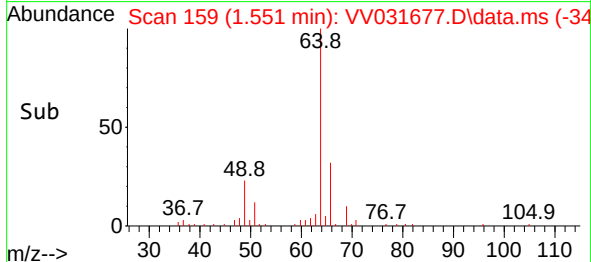
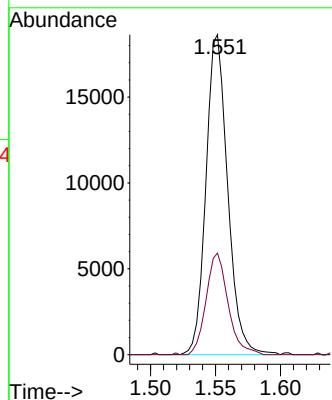
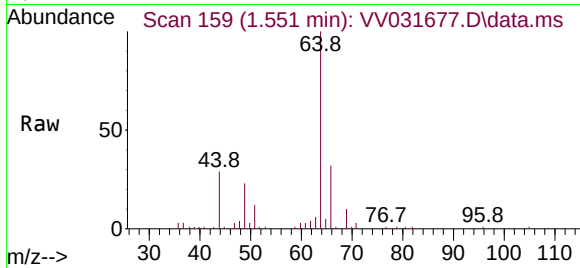




#8
Chloroethane
Concen: 12.848 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

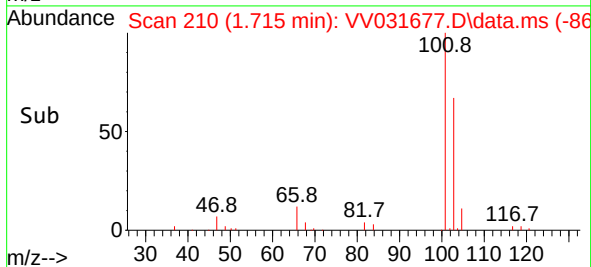
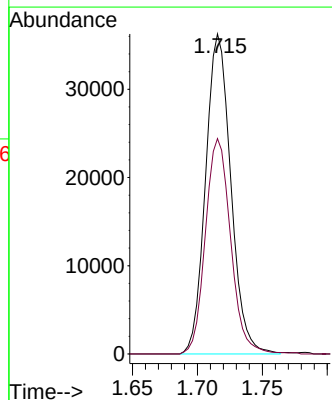
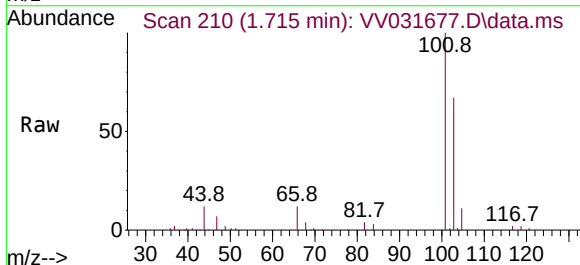
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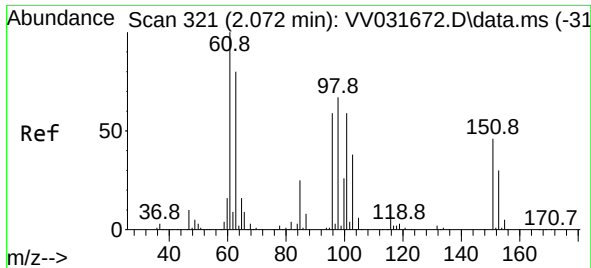
Tgt Ion: 64 Resp: 21682
Ion Ratio Lower Upper
64 100
66 31.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 11.362 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Tgt Ion:101 Resp: 49038
Ion Ratio Lower Upper
101 100
103 67.4 51.7 77.5

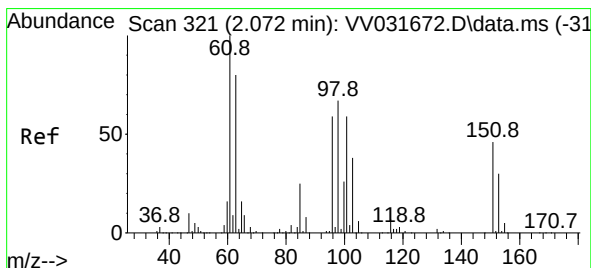
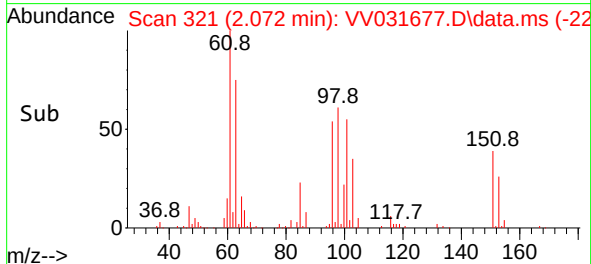
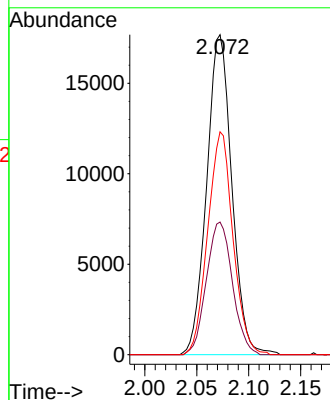
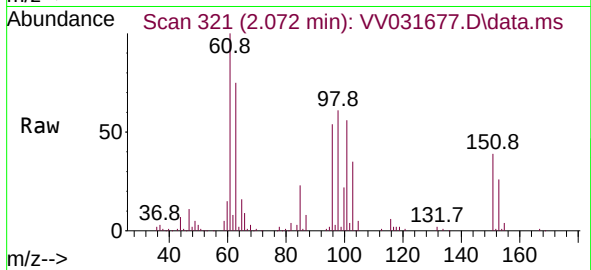




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.716 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031677.D
 Acq: 11 Jul 2023 13:30

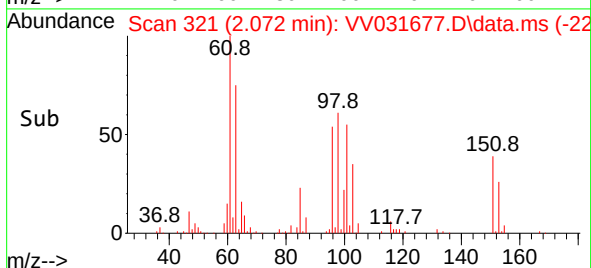
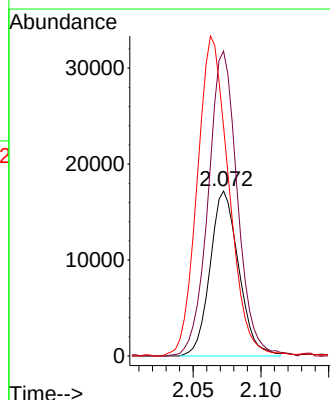
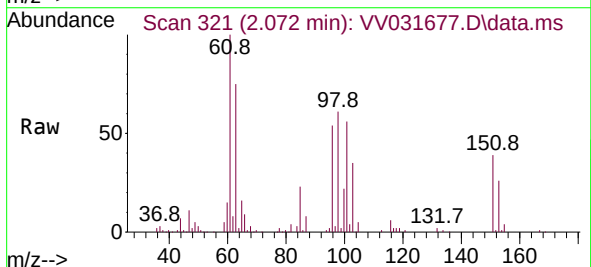
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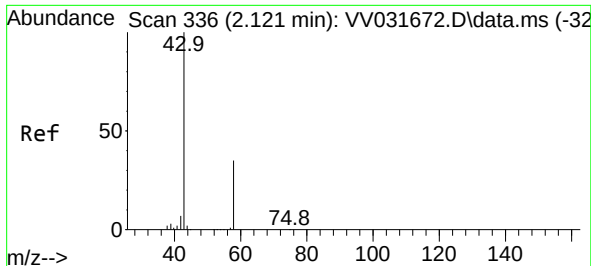
Tgt Ion:101 Resp: 29830
 Ion Ratio Lower Upper
 101 100
 85 42.8 33.9 50.9
 151 69.6 61.0 91.6



#12
 1,1-Dichloroethene
 Concen: 12.875 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031677.D
 Acq: 11 Jul 2023 13:30

Tgt Ion: 96 Resp: 25295
 Ion Ratio Lower Upper
 96 100
 61 184.7 118.3 219.7
 63 139.0 96.8 179.8





#13

Acetone

Concen: 19.918 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

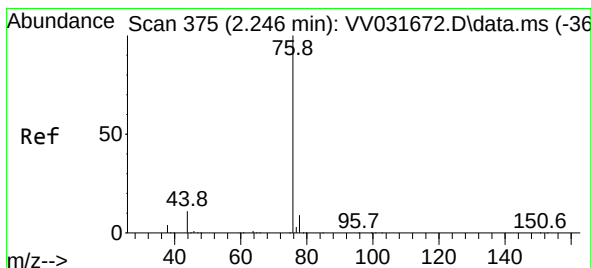
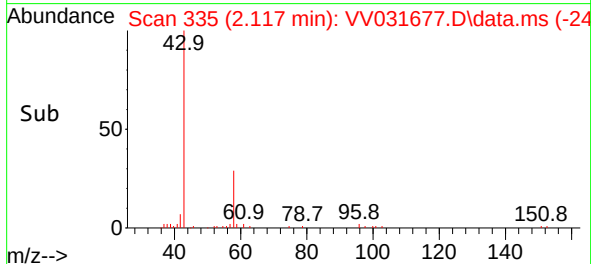
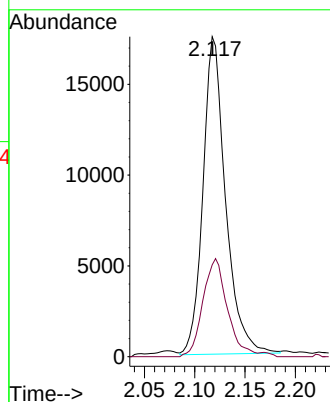
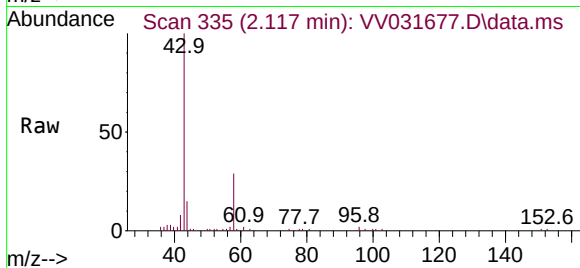
ClientSampleId :

Tgt Ion: 43 Resp: 27332

Ion Ratio Lower Upper

43 100

58 33.3 0.0 72.0



#14

Carbon disulfide

Concen: 14.046 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031677.D

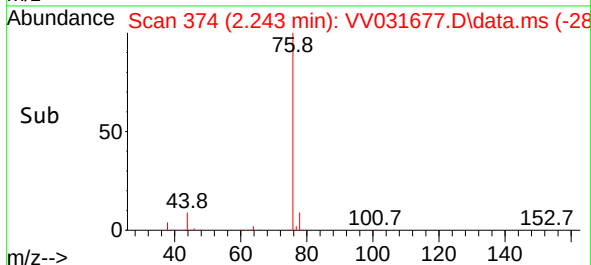
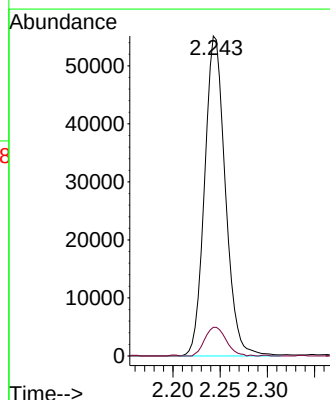
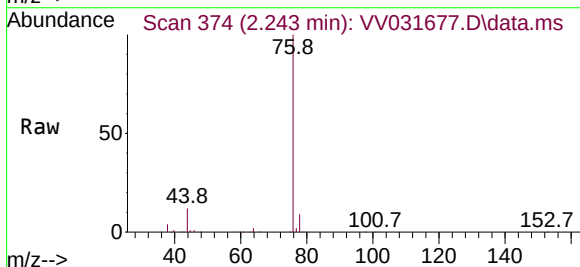
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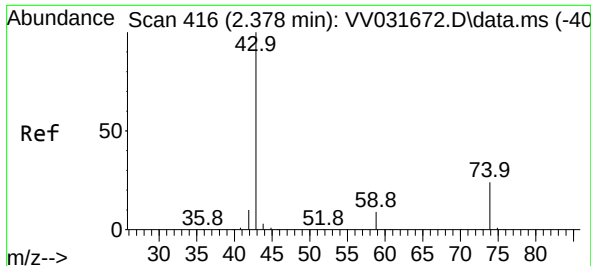
Tgt Ion: 76 Resp: 84218

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

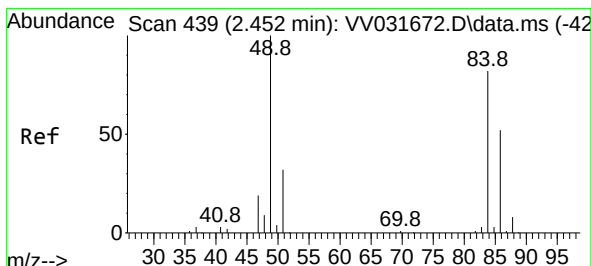
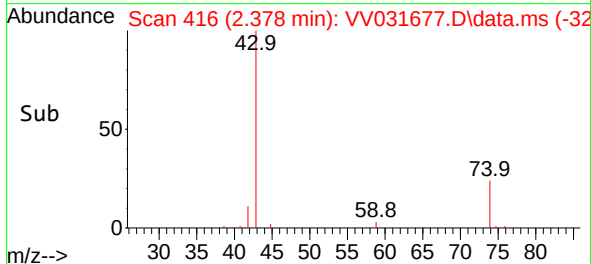
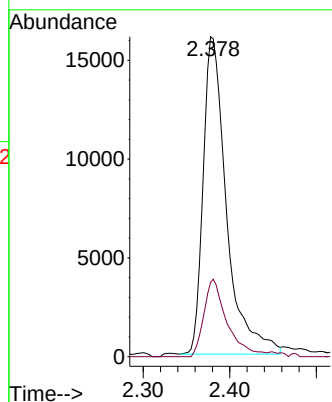
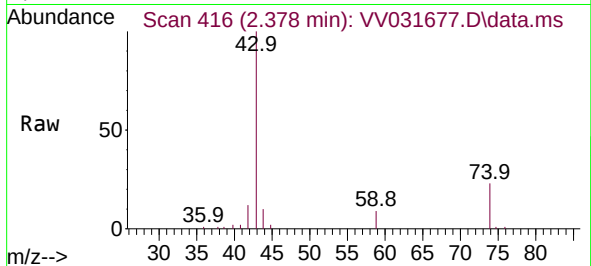




#15
Methyl Acetate
Concen: 12.906 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

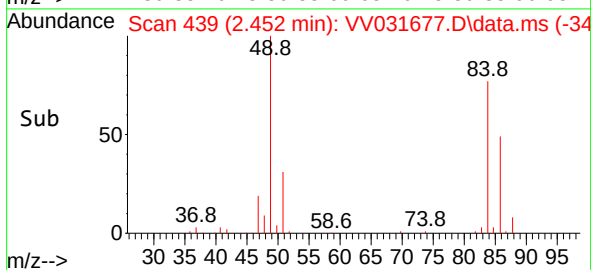
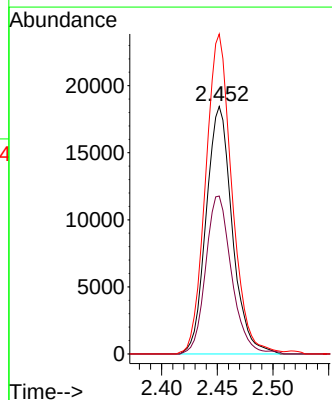
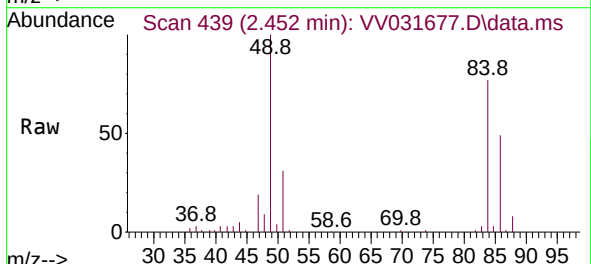
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MSVOA_V
ClientSampleId :

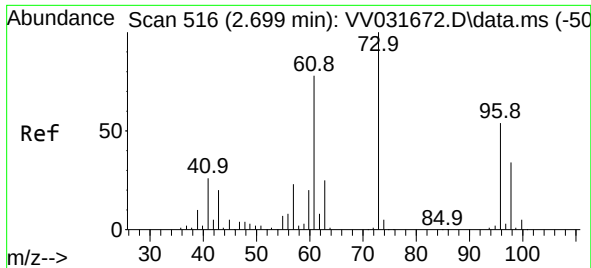
Tgt Ion: 43 Resp: 30114
Ion Ratio Lower Upper
43 100
74 24.1 19.5 29.3



#16
Methylene chloride
Concen: 12.373 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

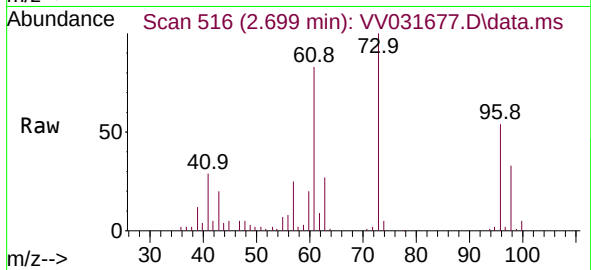
Tgt Ion: 84 Resp: 30064
Ion Ratio Lower Upper
84 100
86 62.7 44.5 82.7
49 124.7 85.3 158.5



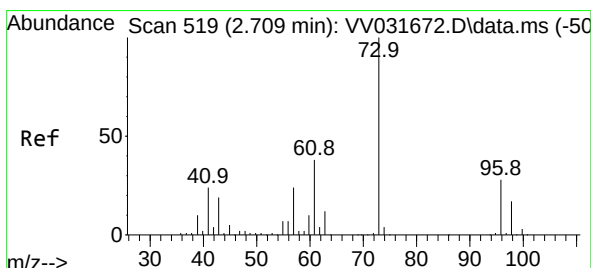
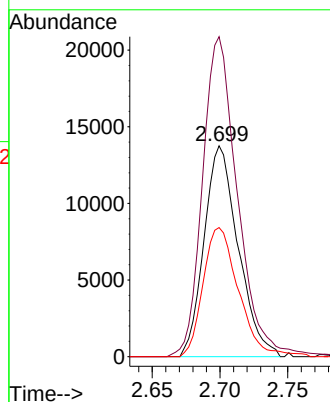
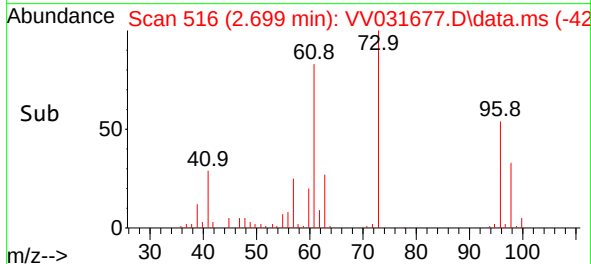


#17
trans-1,2-Dichloroethene
Concen: 11.935 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

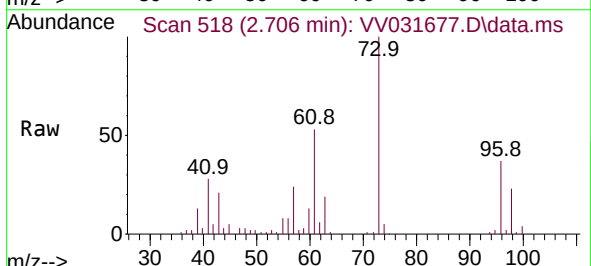
Instrument :
MSVOA_V
ClientSampleId :



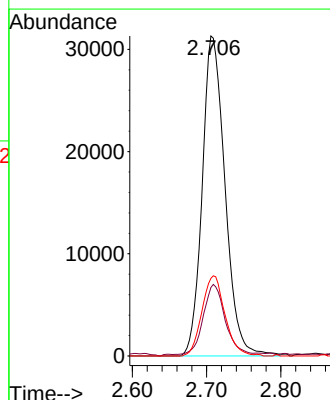
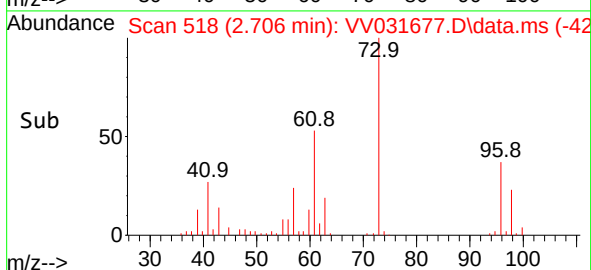
Tgt Ion:	96	Resp:	24101
Ion	Ratio	Lower	Upper
96	100		
61	145.6	101.6	188.6
98	58.7	44.7	82.9

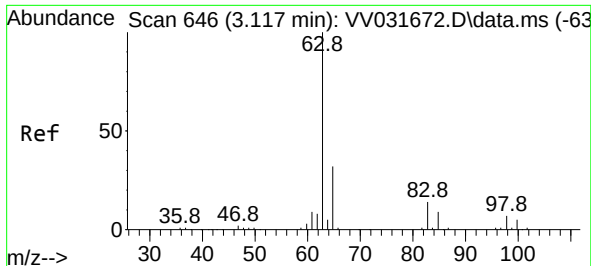


#18
Methyl tert-butyl Ether
Concen: 10.125 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30



Tgt Ion:	73	Resp:	66853
Ion	Ratio	Lower	Upper
73	100		
43	20.6	15.0	22.4
57	25.2	18.3	27.5





#19

1,1-Dichloroethane

Concen: 11.834 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031677.D

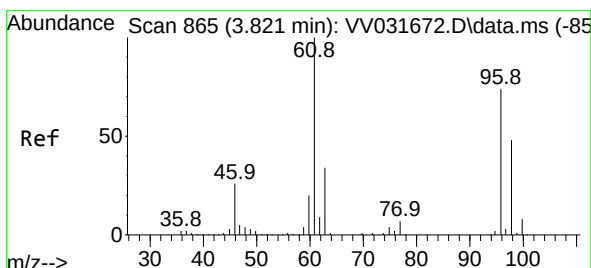
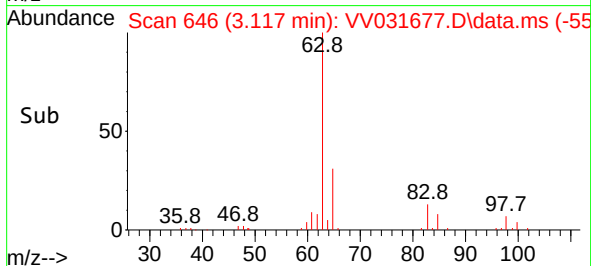
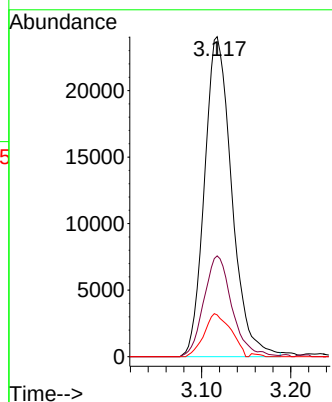
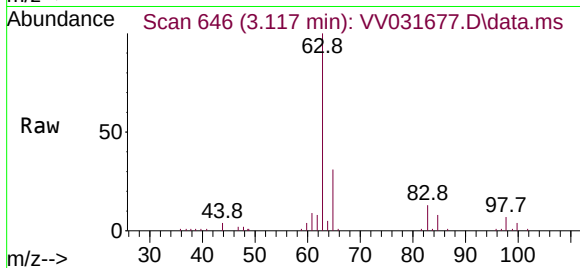
Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	51157
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.5
83	13.7	10.6	19.6



#20

cis-1,2-Dichloroethene

Concen: 10.837 ug/L

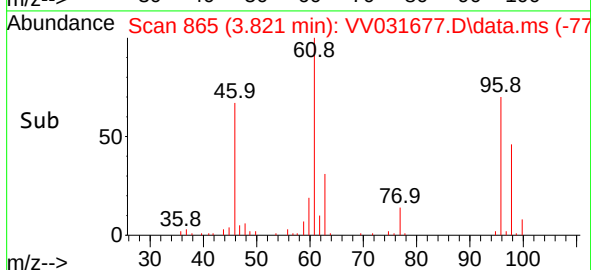
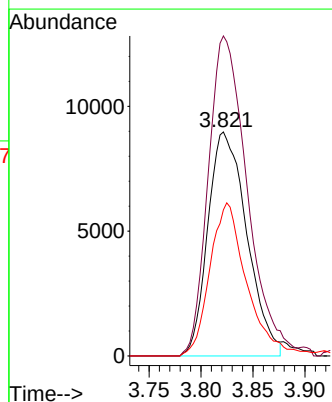
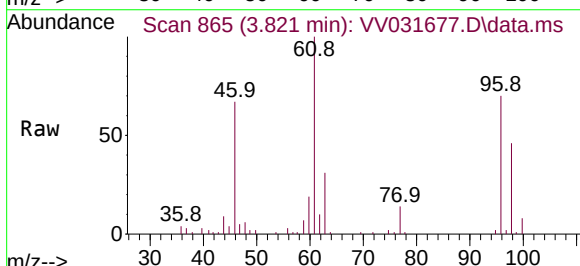
RT: 3.821 min Scan# 865

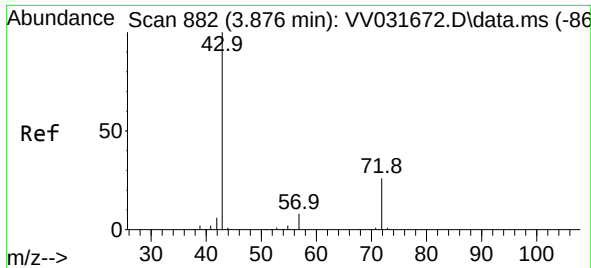
Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Tgt Ion:	96	Resp:	23411
Ion	Ratio	Lower	Upper
96	100		
61	142.8	90.6	168.2
98	67.2	43.8	81.3

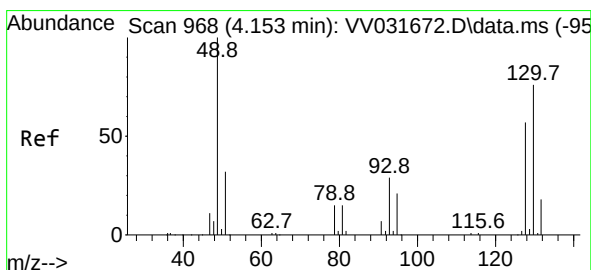
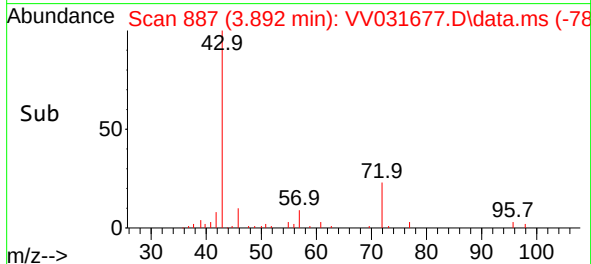
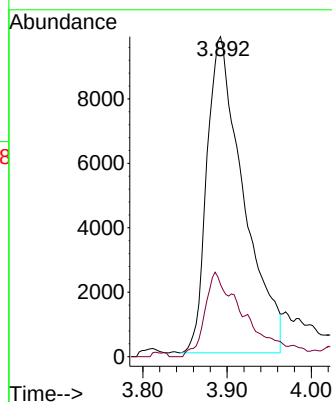
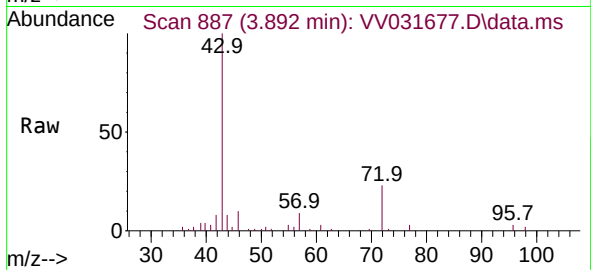




#22
2-Butanone
Concen: 17.015 ug/L
RT: 3.892 min Scan# 881
Delta R.T. 0.016 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

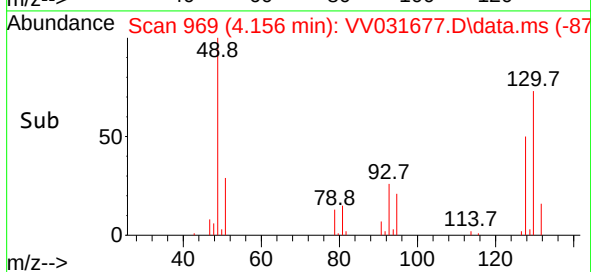
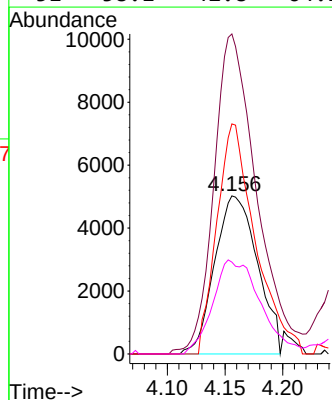
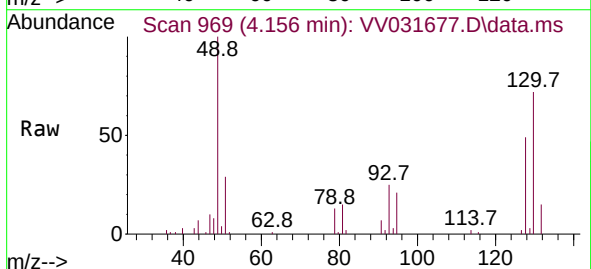
Instrument :
MSVOA_V
ClientSampleId :

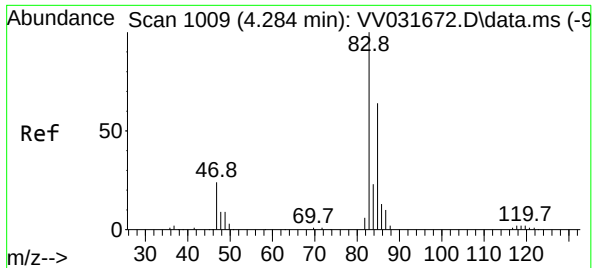
Tgt Ion: 43 Resp: 29554
Ion Ratio Lower Upper
43 100
72 15.3 12.7 38.0



#23
Bromochloromethane
Concen: 10.909 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Tgt Ion:128 Resp: 12933
Ion Ratio Lower Upper
128 100
49 202.4 117.9 218.9
130 145.5 89.1 165.5
51 58.1 42.8 64.2

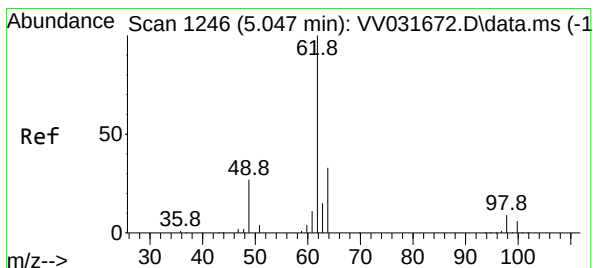
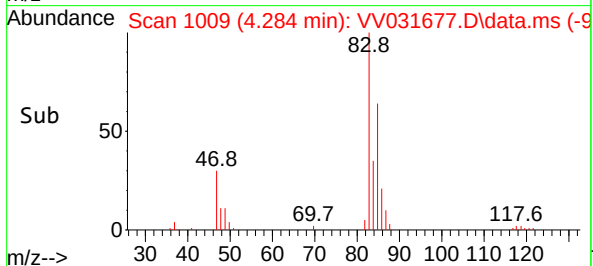
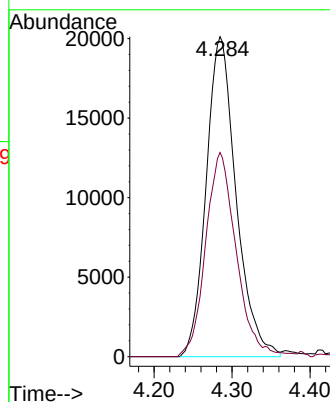
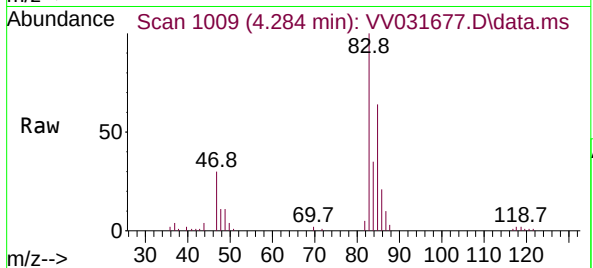




#25
Chloroform
Concen: 11.939 ug/L
RT: 4.284 min Scan# 1009
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

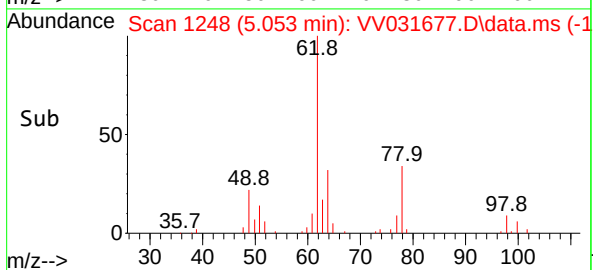
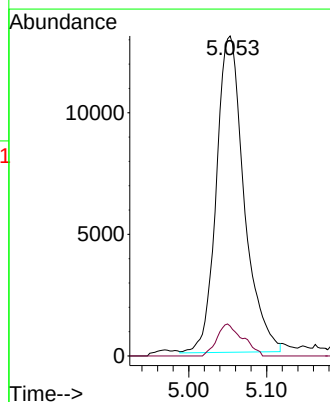
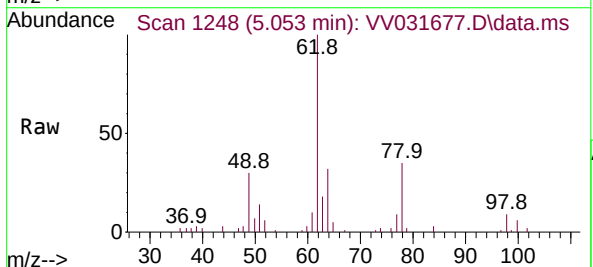
Instrument :
MSVOA_V
ClientSampleId :

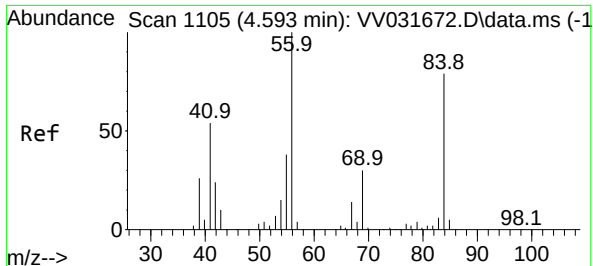
Tgt Ion: 83 Resp: 53695
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 9.347 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Tgt Ion: 62 Resp: 32219
Ion Ratio Lower Upper
62 100
98 10.1 7.5 11.3





#29

Cyclohexane

Concen: 8.221 ug/L

RT: 4.590 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

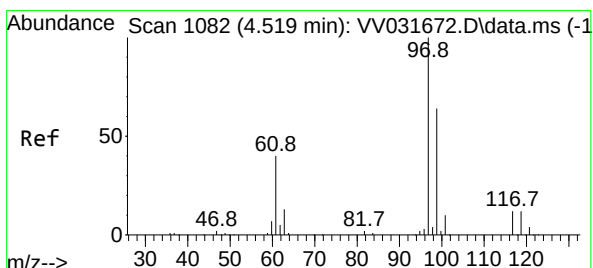
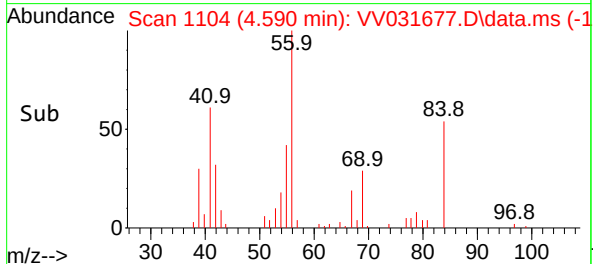
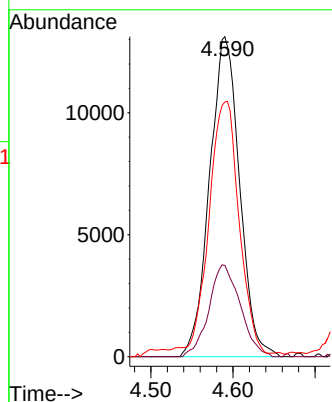
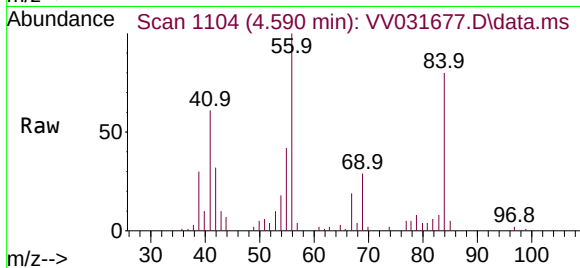
Tgt Ion: 56 Resp: 33343

Ion Ratio Lower Upper

56 100

69 29.9 24.1 36.1

84 77.9 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 9.398 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

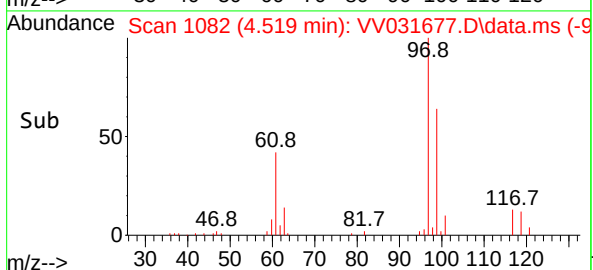
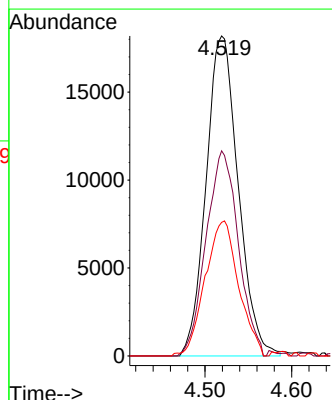
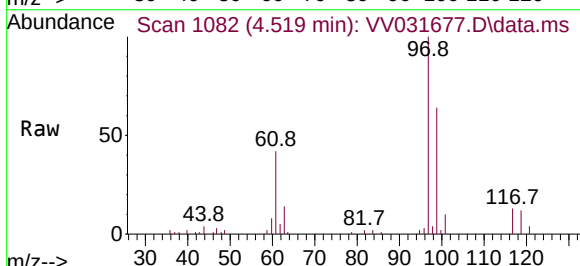
Tgt Ion: 97 Resp: 46953

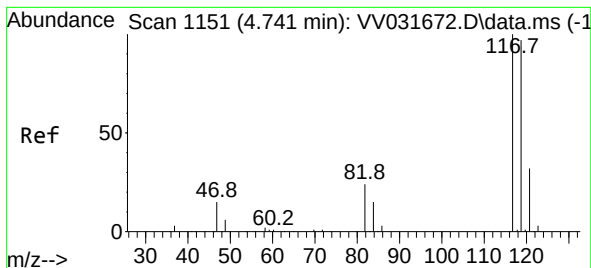
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 43.8 32.2 48.2





#31

Carbon tetrachloride

Concen: 8.979 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

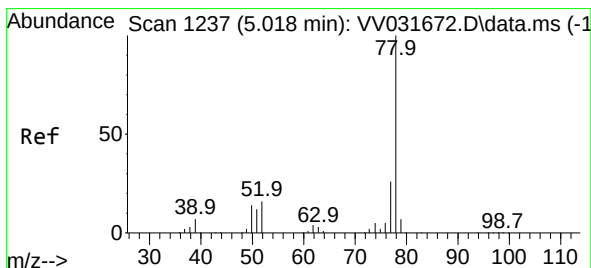
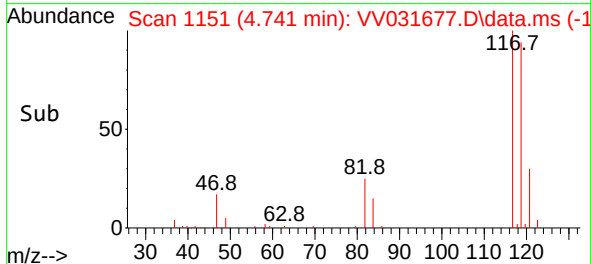
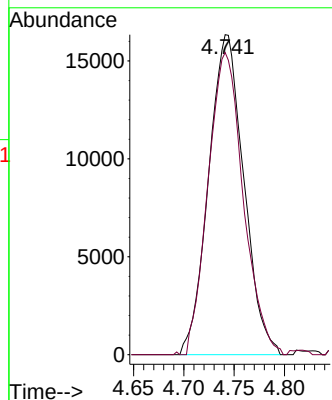
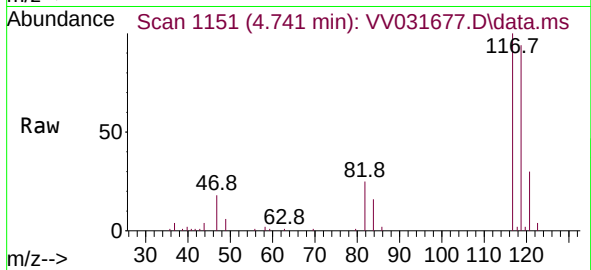
ClientSampleId :

Tgt Ion:117 Resp: 39730

Ion Ratio Lower Upper

117 100

119 94.5 78.0 117.0



#33

Benzene

Concen: 8.920 ug/L

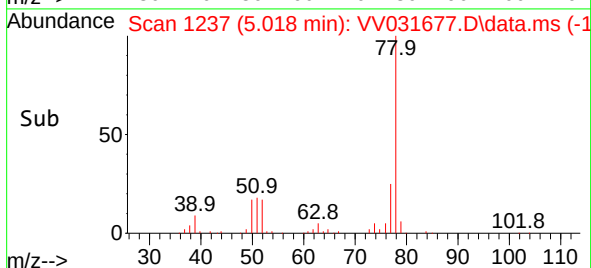
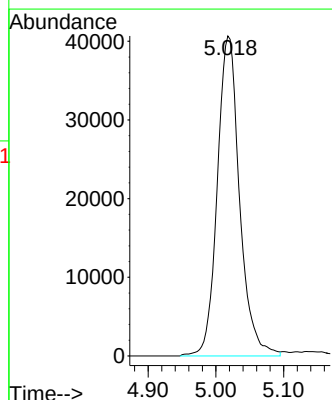
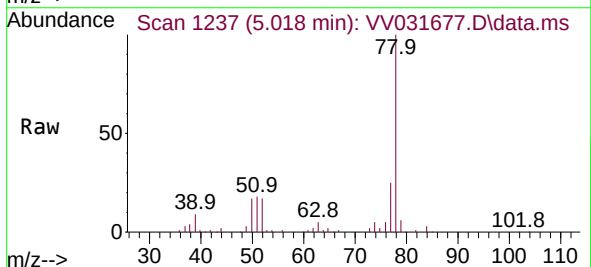
RT: 5.018 min Scan# 1237

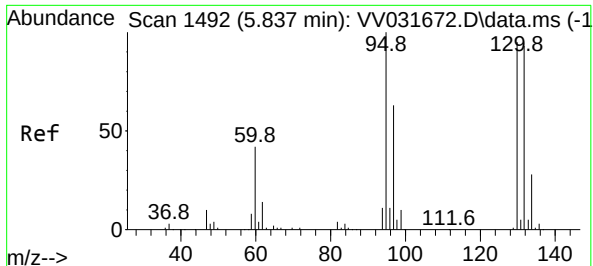
Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Tgt Ion: 78 Resp: 92945





#34

Trichloroethene

Concen: 8.599 ug/L

RT: 5.841 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 24243

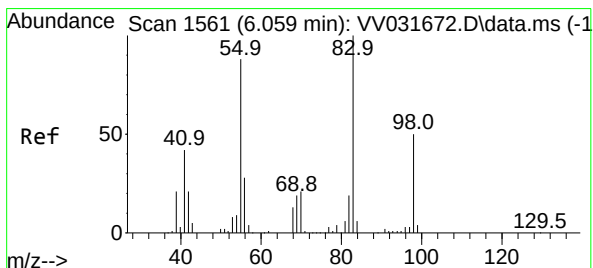
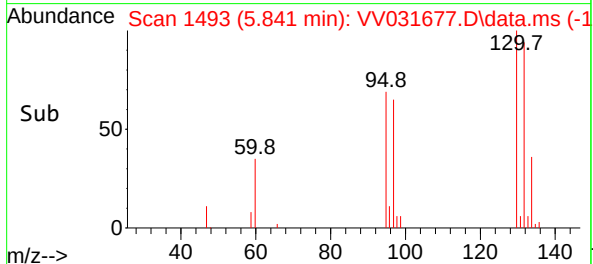
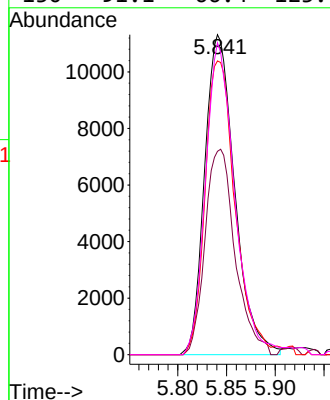
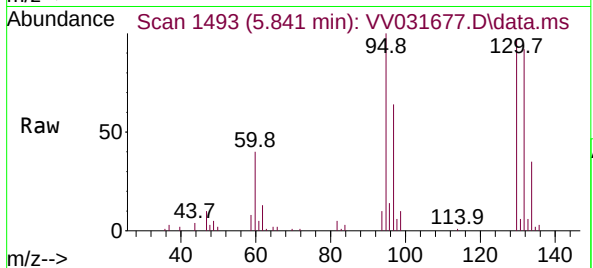
Ion Ratio Lower Upper

95 100

97 61.3 47.0 87.2

132 85.7 64.8 120.4

130 91.1 66.4 123.4



#35

Methylcyclohexane

Concen: 7.063 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

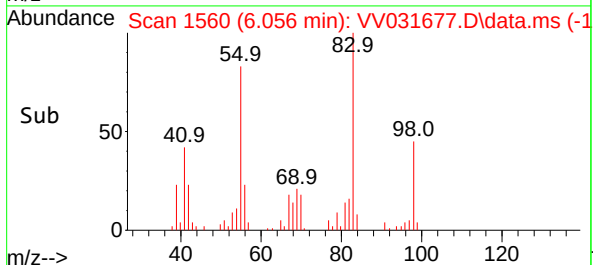
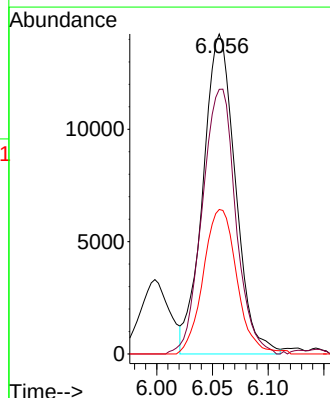
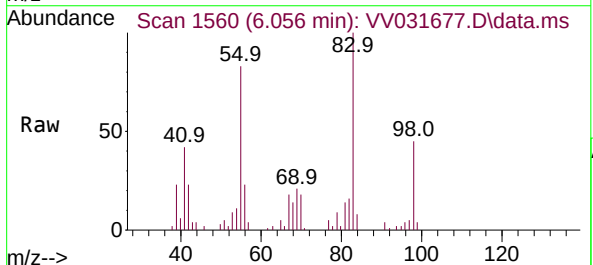
Tgt Ion: 83 Resp: 28803

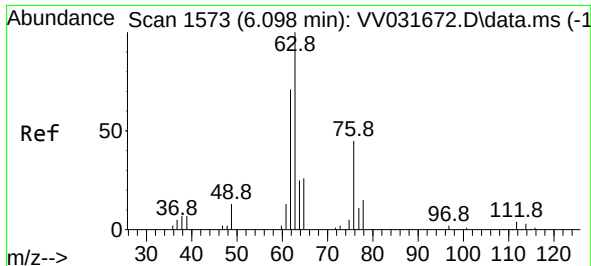
Ion Ratio Lower Upper

83 100

55 85.5 69.4 104.2

98 46.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 7.033 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

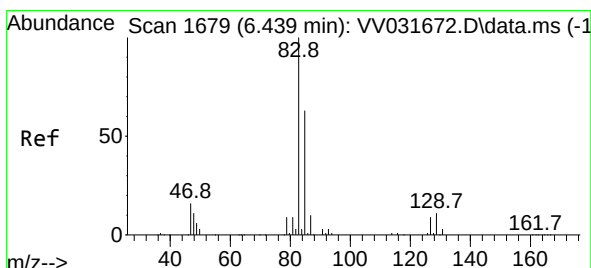
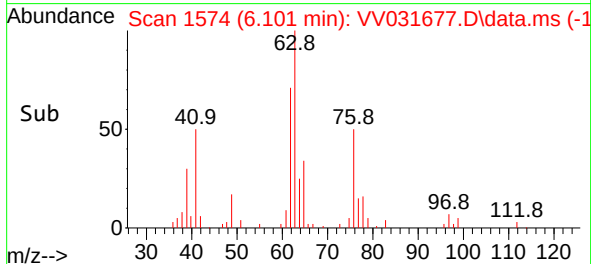
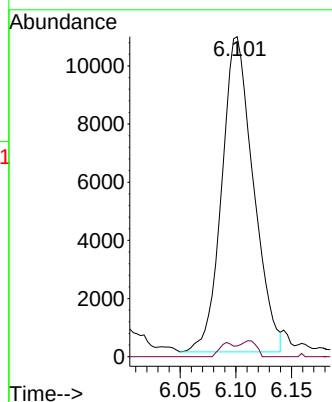
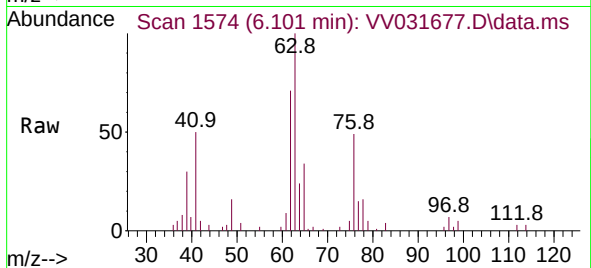
ClientSampleId :

Tgt Ion: 63 Resp: 21391

Ion Ratio Lower Upper

63 100

112 1.9 3.7 5.5#



#38

Bromodichloromethane

Concen: 7.605 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

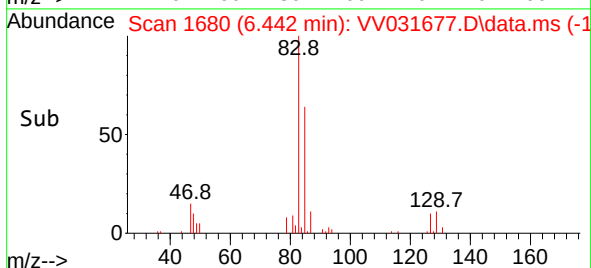
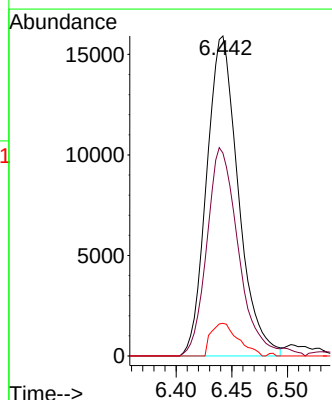
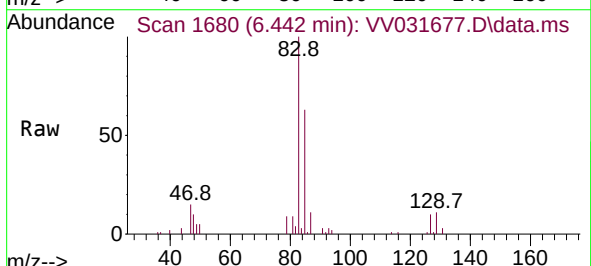
Tgt Ion: 83 Resp: 31467

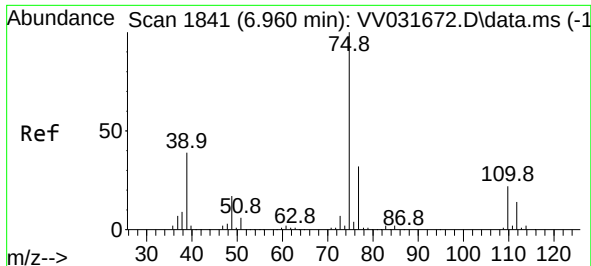
Ion Ratio Lower Upper

83 100

85 62.5 44.2 82.0

127 10.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 7.248 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

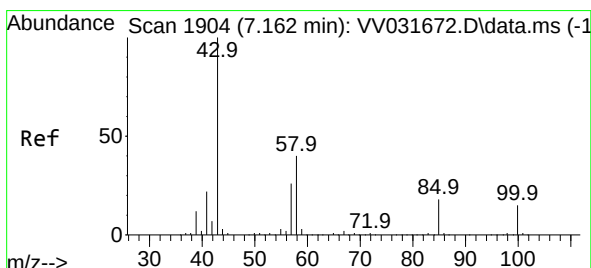
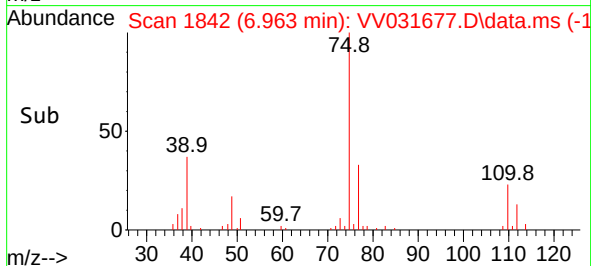
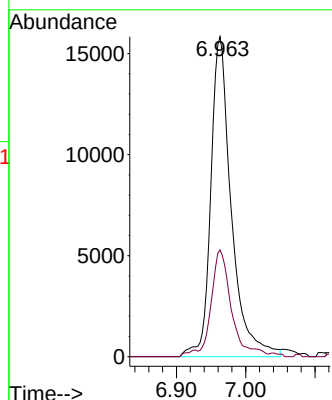
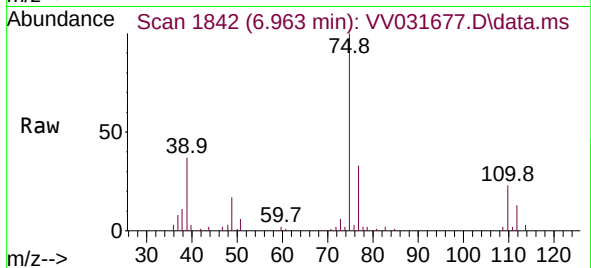
ClientSampleId :

Tgt Ion: 75 Resp: 32571

Ion Ratio Lower Upper

75 100

77 33.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 13.722 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

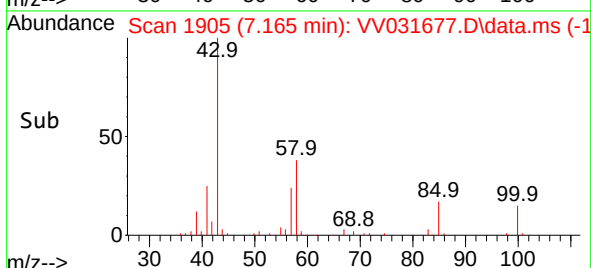
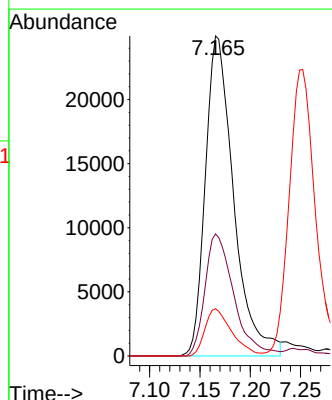
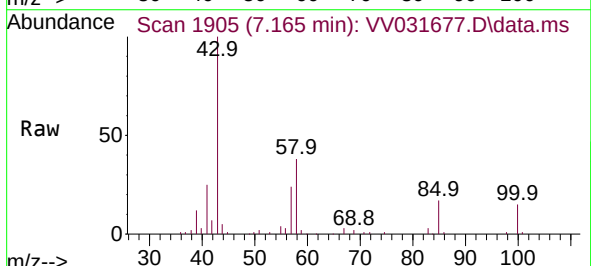
Tgt Ion: 43 Resp: 48947

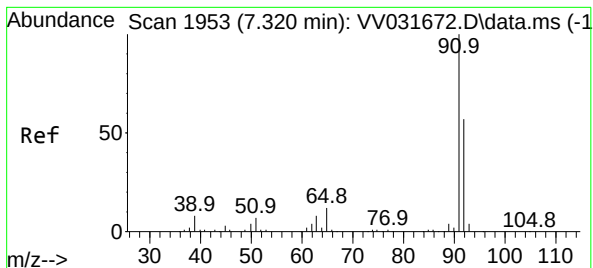
Ion Ratio Lower Upper

43 100

58 38.8 32.1 48.1

100 14.0 12.1 18.1





#42

Toluene

Concen: 7.715 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

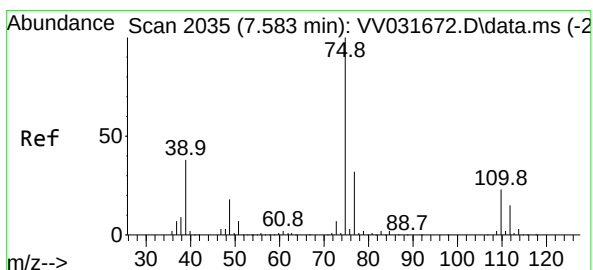
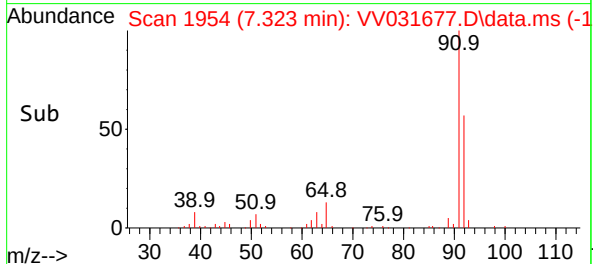
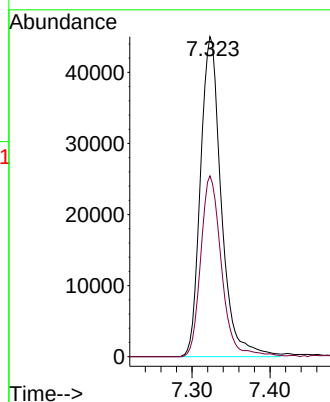
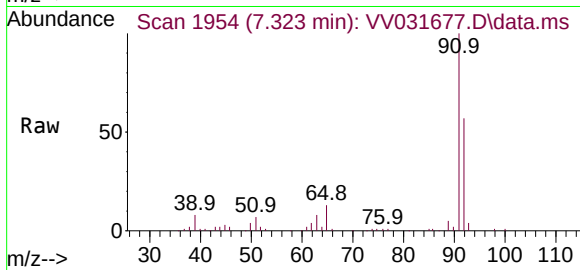
ClientSampleId :

Tgt Ion: 91 Resp: 83588

Ion Ratio Lower Upper

91 100

92 56.5 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 8.746 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV031677.D

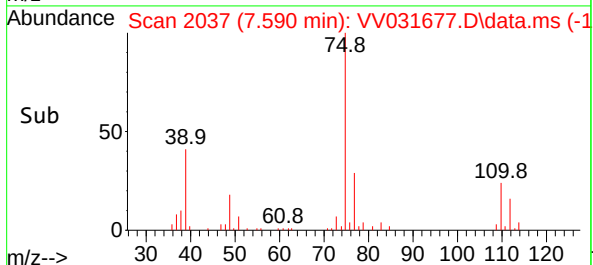
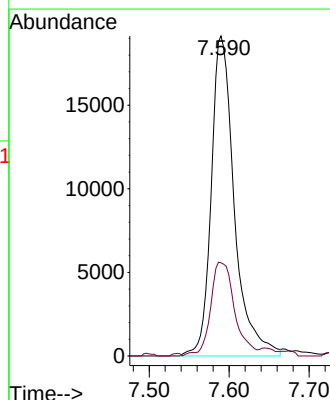
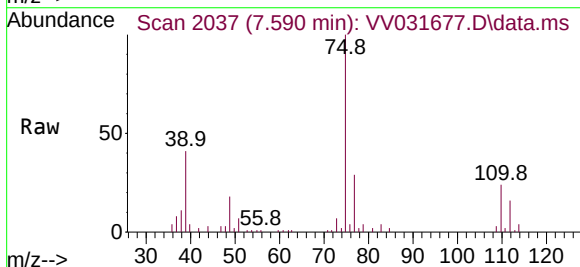
Acq: 11 Jul 2023 13:30

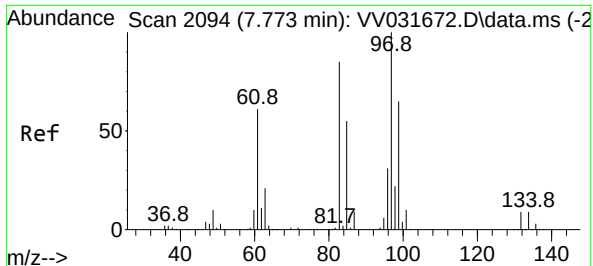
Tgt Ion: 75 Resp: 38390

Ion Ratio Lower Upper

75 100

77 29.1 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 9.437 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 27364

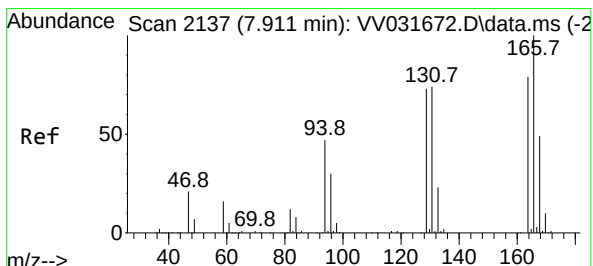
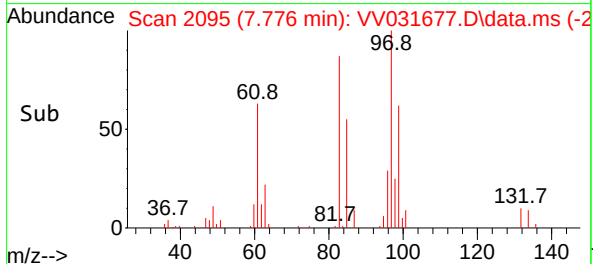
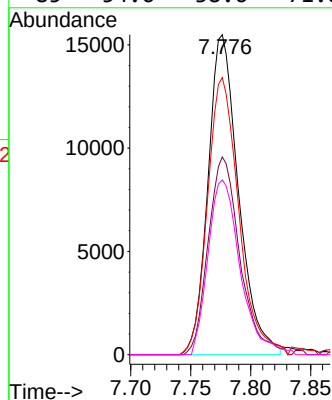
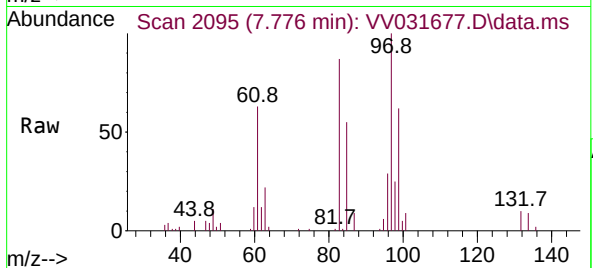
Ion Ratio Lower Upper

97 100

99 61.8 45.2 84.0

83 87.9 59.5 110.5

85 54.6 38.6 71.8



#46

Tetrachloroethene

Concen: 9.511 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Tgt Ion:164 Resp: 20925

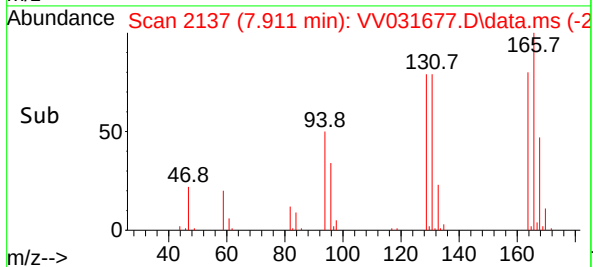
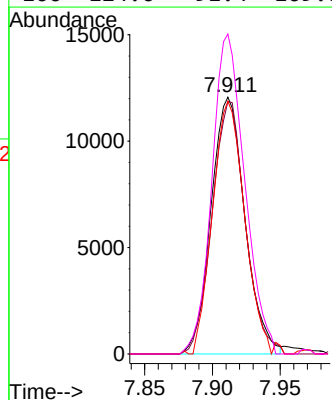
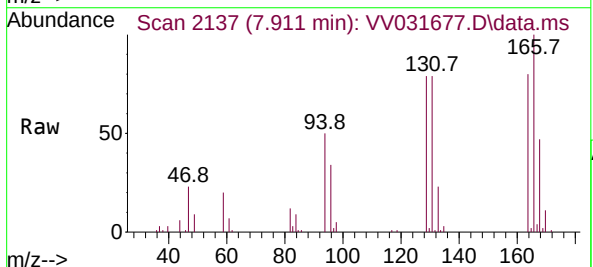
Ion Ratio Lower Upper

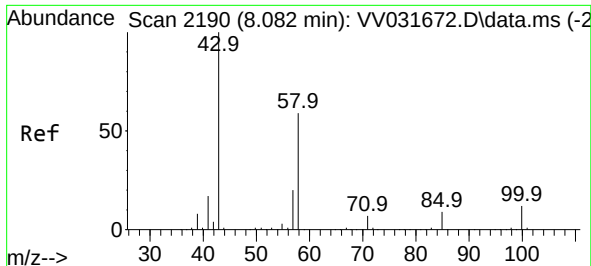
164 100

129 101.0 65.2 121.0

131 100.0 67.1 124.7

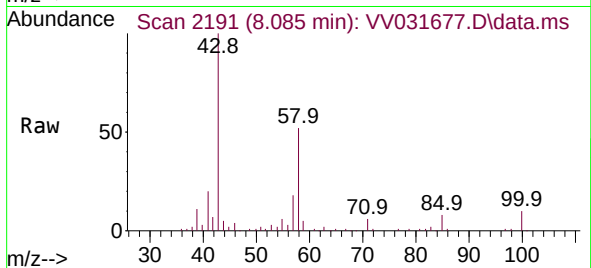
166 124.6 91.4 169.8



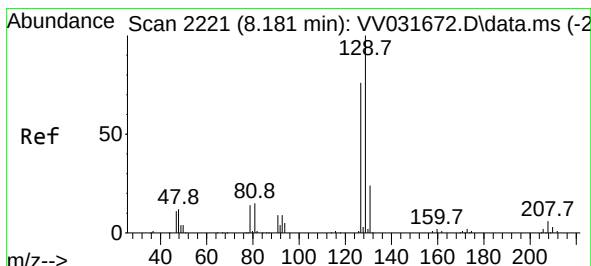
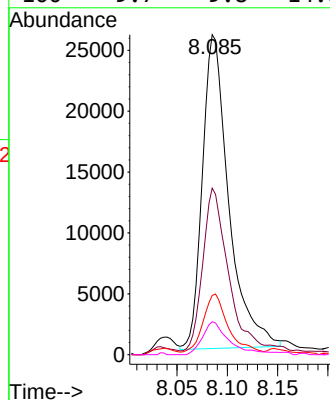
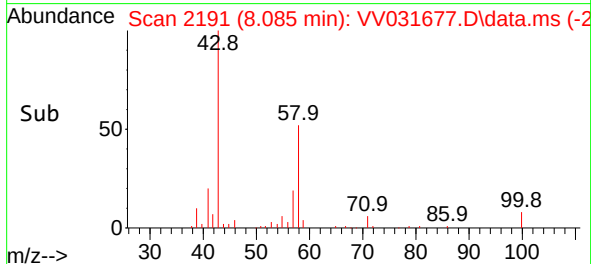


#48
2-Hexanone
Concen: 16.275 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Instrument :
MSVOA_V
ClientSampleId :

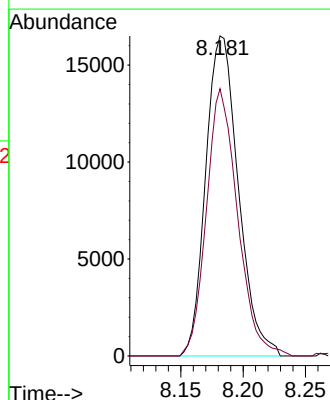
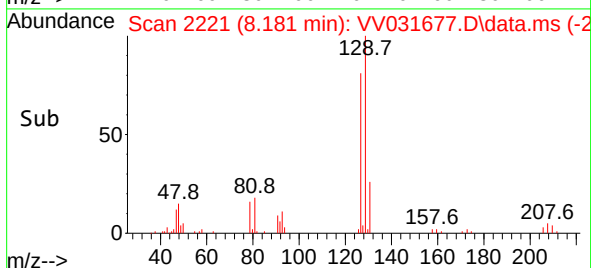
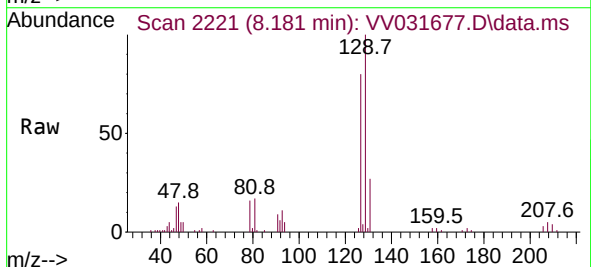


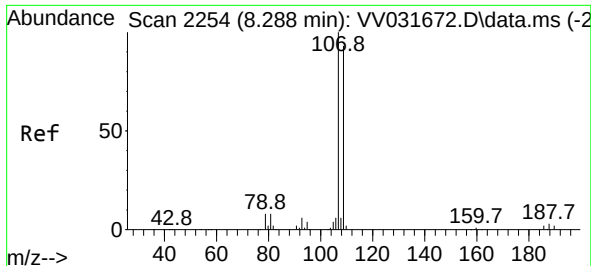
Tgt Ion: 43 Resp: 47054
Ion Ratio Lower Upper
43 100
58 49.9 46.3 69.5
57 18.2 16.8 25.2
100 9.7 9.8 14.8#



#49
Dibromochloromethane
Concen: 9.318 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Tgt Ion: 129 Resp: 30105
Ion Ratio Lower Upper
129 100
127 82.0 55.2 102.6





#50

1,2-Dibromoethane

Concen: 9.759 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031677.D

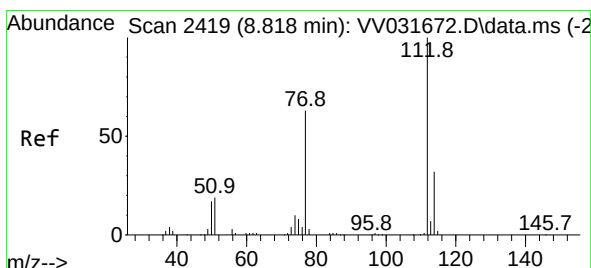
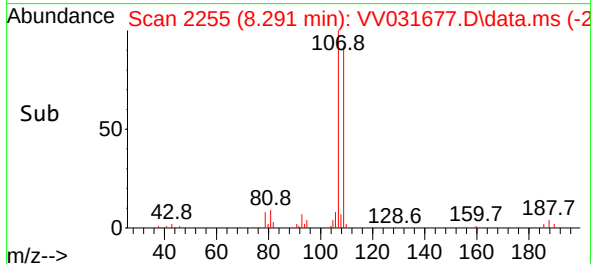
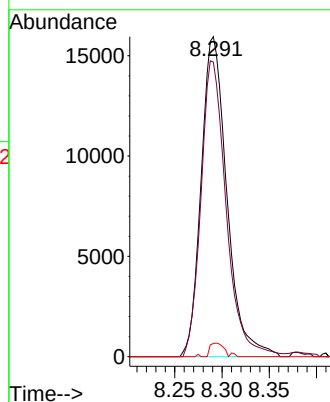
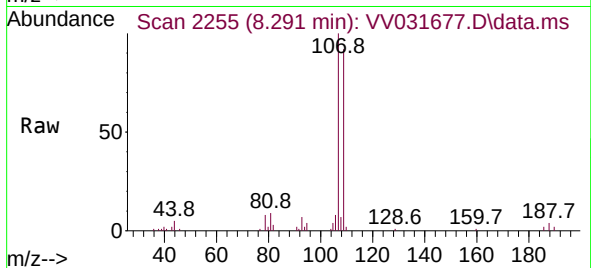
Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	30228
Ion	Ratio	Lower	Upper
107	100		
109	92.1	65.4	121.4
188	4.1	2.8	4.2



#51

Chlorobenzene

Concen: 9.430 ug/L

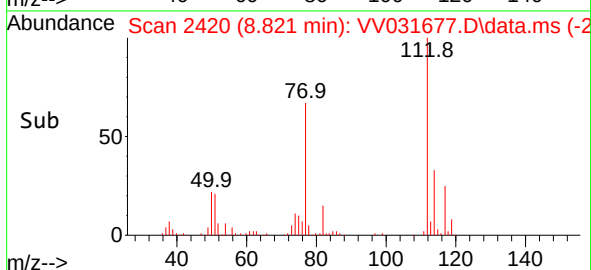
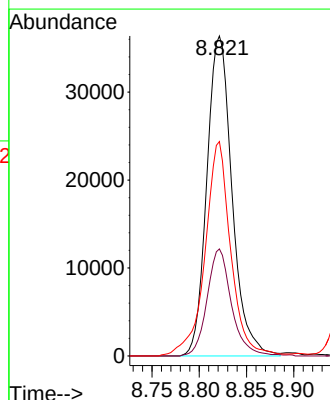
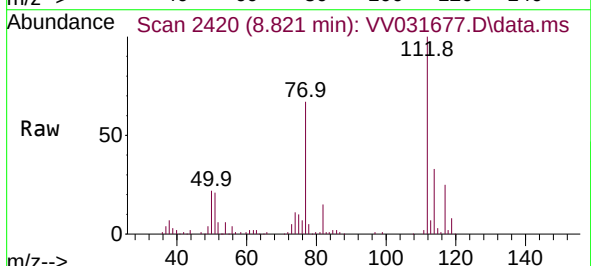
RT: 8.821 min Scan# 2420

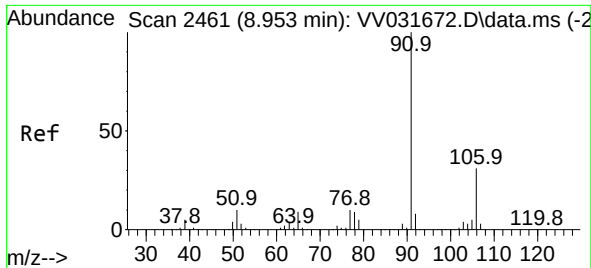
Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Tgt Ion:	112	Resp:	67527
Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.2	41.2
77	67.0	50.6	76.0

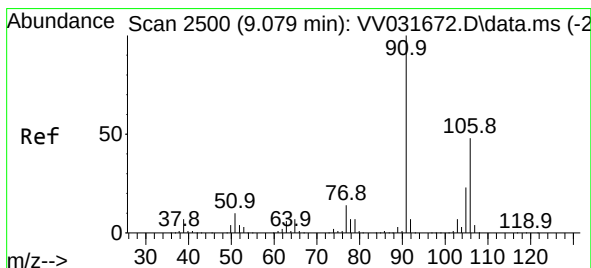
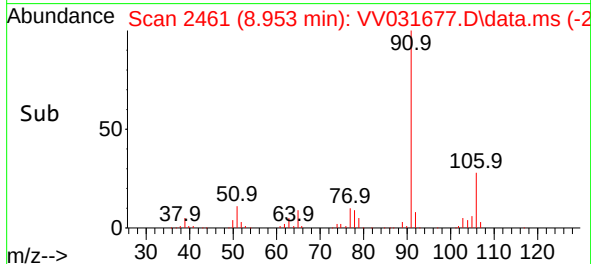
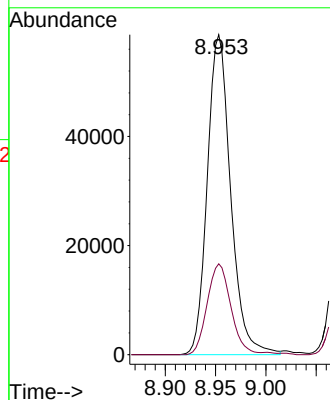
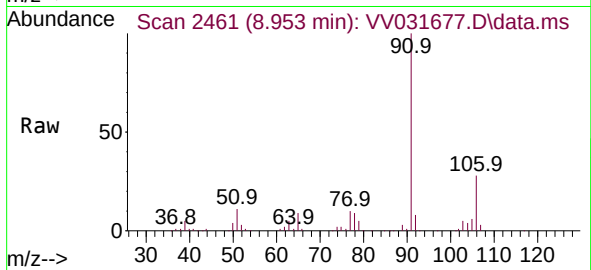




#52
Ethylbenzene
Concen: 7.922 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

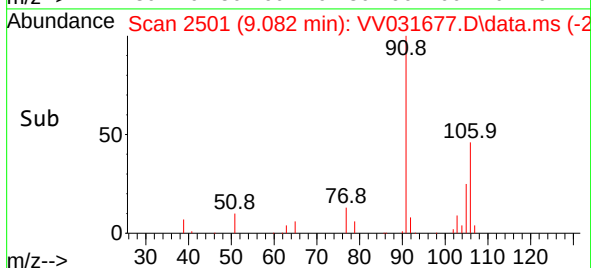
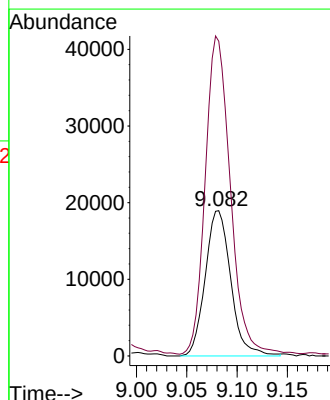
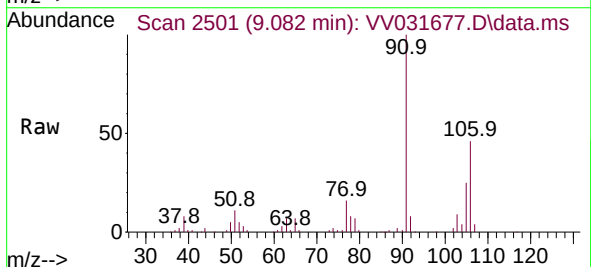
Instrument :
MSVOA_V
ClientSampleId :

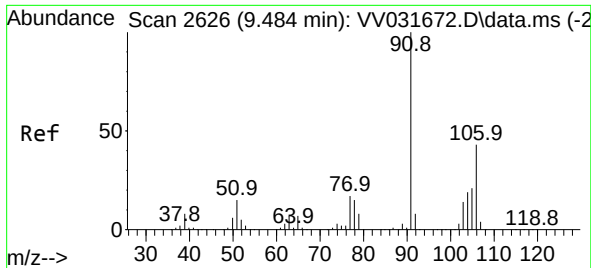
Tgt Ion: 91 Resp: 94884
Ion Ratio Lower Upper
91 100
106 28.4 21.5 39.9



#53
m,p-Xylene
Concen: 7.571 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Tgt Ion: 106 Resp: 33503
Ion Ratio Lower Upper
106 100
91 216.6 145.6 270.4

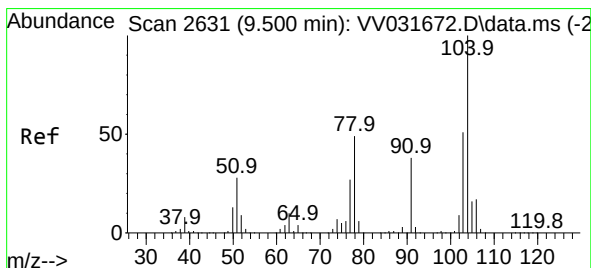
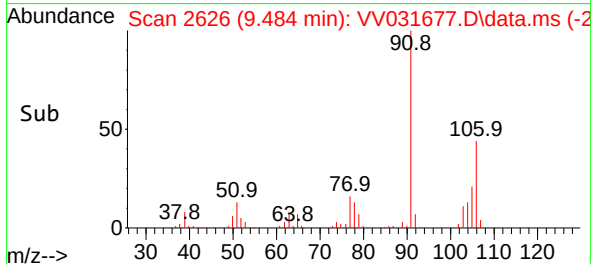
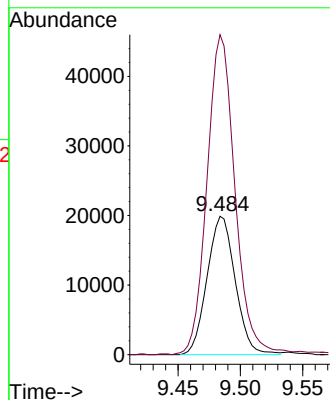
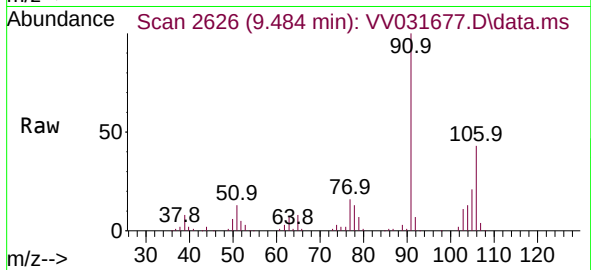




#54
o-Xylene
Concen: 7.519 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

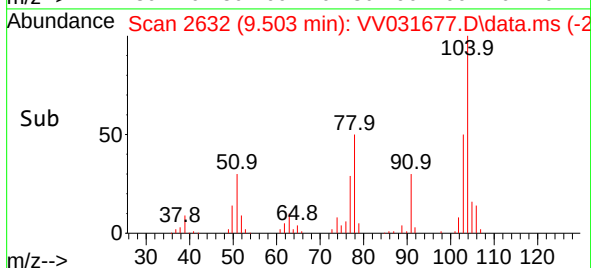
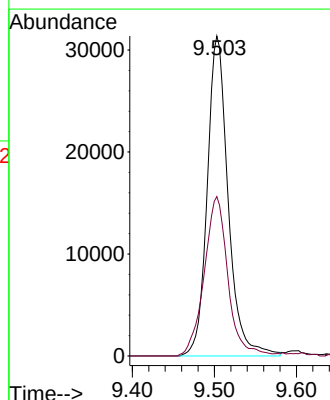
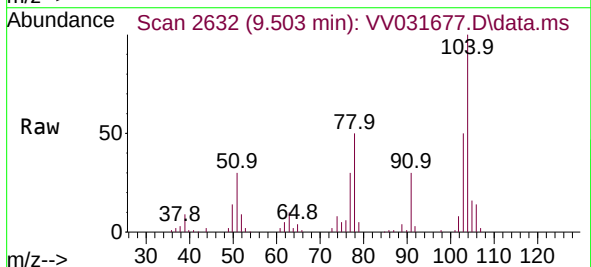
Instrument :
MSVOA_V
ClientSampleId :

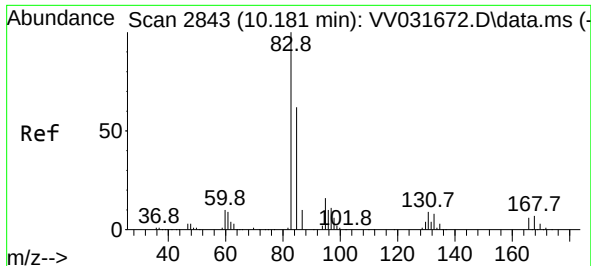
Tgt Ion:106 Resp: 31302
Ion Ratio Lower Upper
106 100
91 231.2 163.0 302.6



#55
Styrene
Concen: 7.388 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

Tgt Ion:104 Resp: 55638
Ion Ratio Lower Upper
104 100
78 49.8 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 9.187 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031677.D

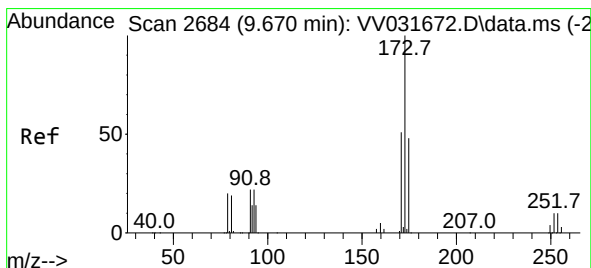
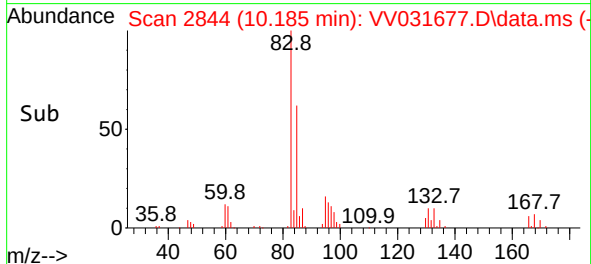
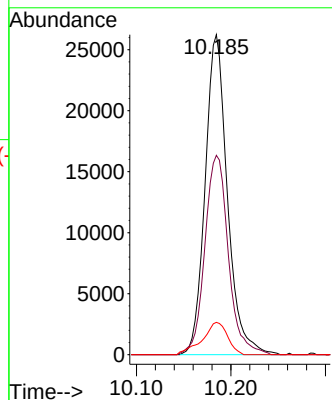
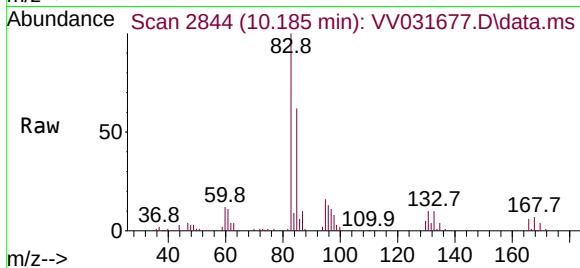
Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	42914
Ion	Ratio	Lower	Upper
83	100		
85	62.3	43.4	80.6
131	14.3	10.9	16.3



#59

Bromoform

Concen: 10.046 ug/L

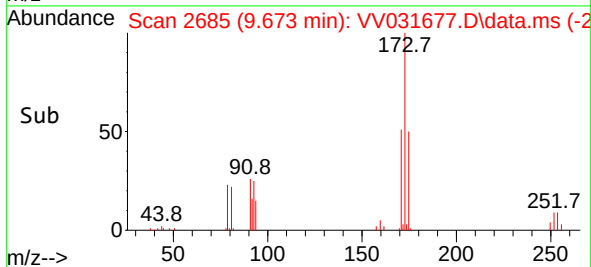
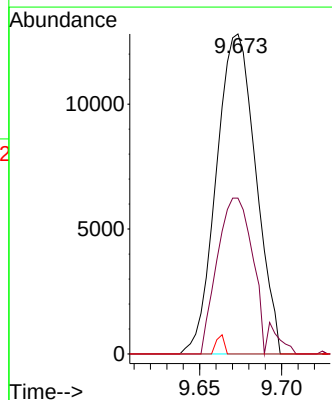
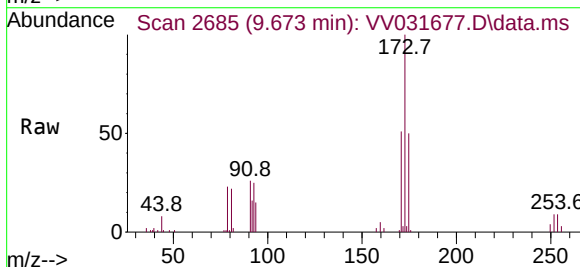
RT: 9.673 min Scan# 2685

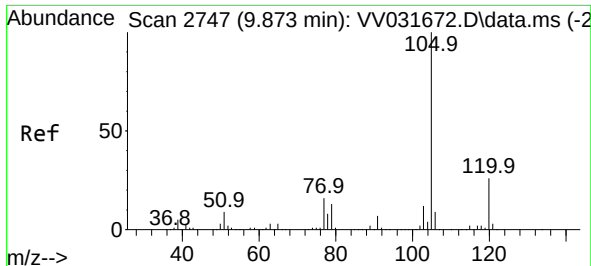
Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

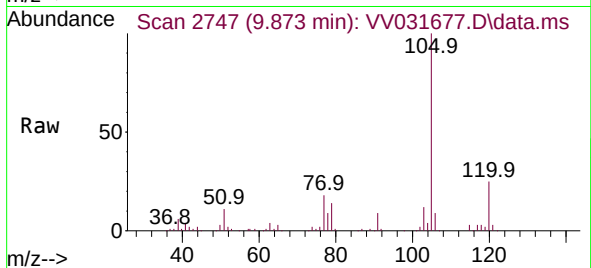
Tgt Ion:	173	Resp:	21388
Ion	Ratio	Lower	Upper
173	100		
175	43.1	38.6	58.0
254	1.2	6.9	10.3



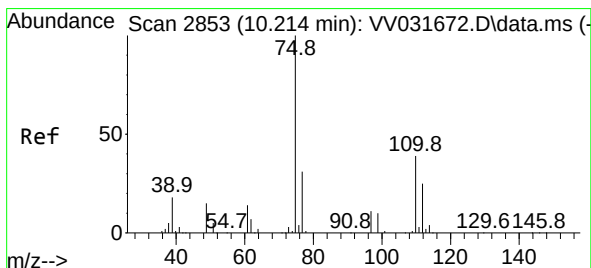
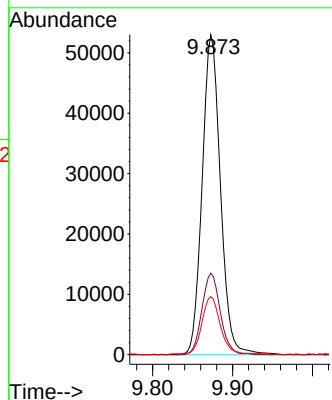
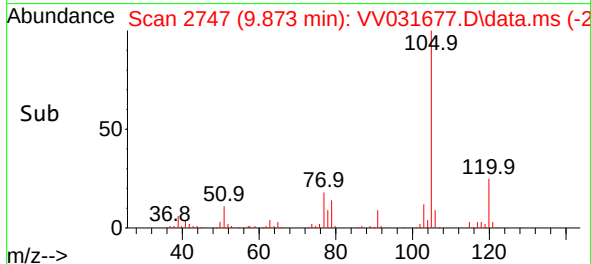


#60
Isopropylbenzene
Concen: 7.868 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30

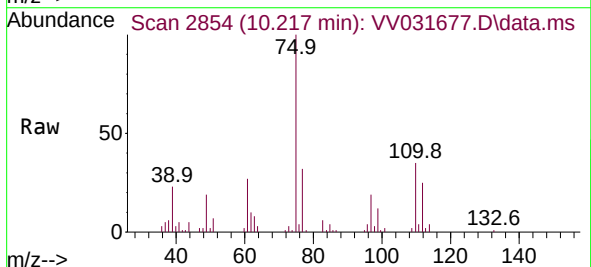
Instrument :
MSVOA_V
ClientSampleId :



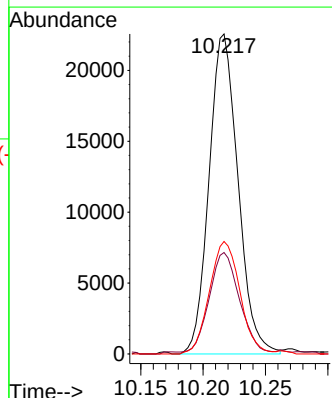
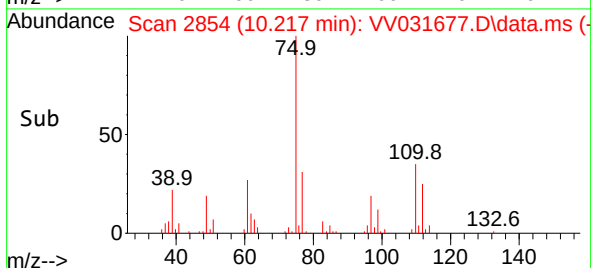
Tgt Ion:105 Resp: 84355
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8
77 18.6 13.2 19.8

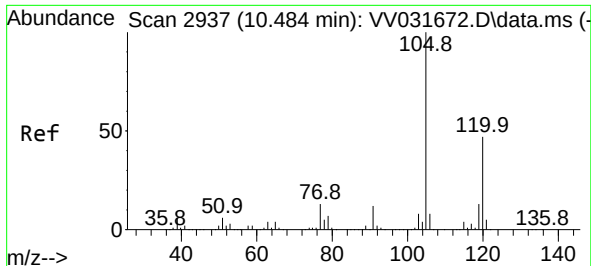


#61
1,2,3-Trichloropropane
Concen: 10.814 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031677.D
Acq: 11 Jul 2023 13:30



Tgt Ion: 75 Resp: 36517
Ion Ratio Lower Upper
75 100
77 33.5 25.1 37.7
110 36.9 31.4 47.0





#62

1,3,5-Trimethylbenzene

Concen: 7.297 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

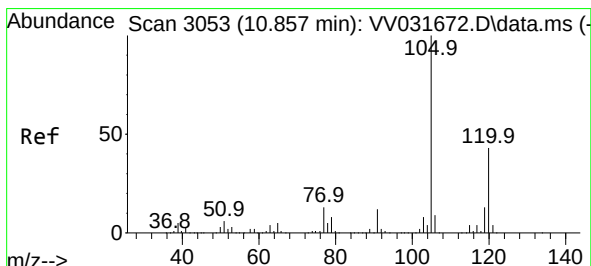
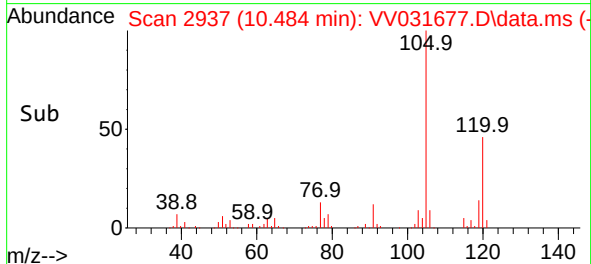
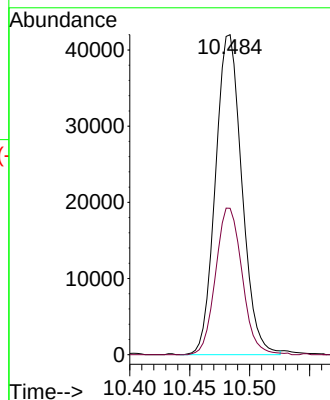
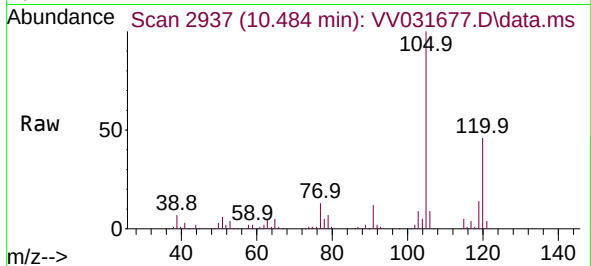
ClientSampleId :

Tgt Ion:105 Resp: 64378

Ion Ratio Lower Upper

105 100

120 46.0 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 7.607 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031677.D

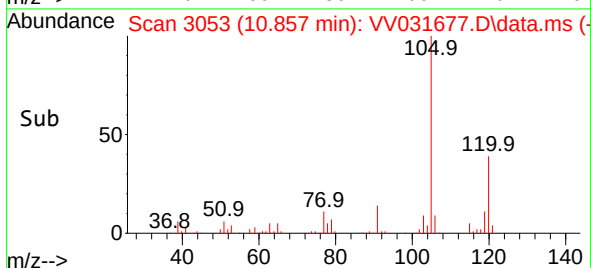
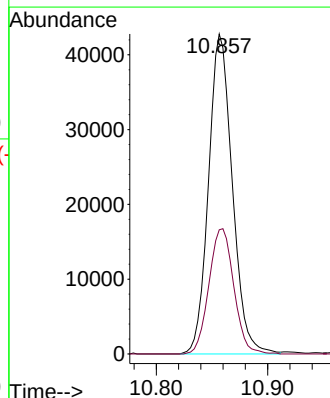
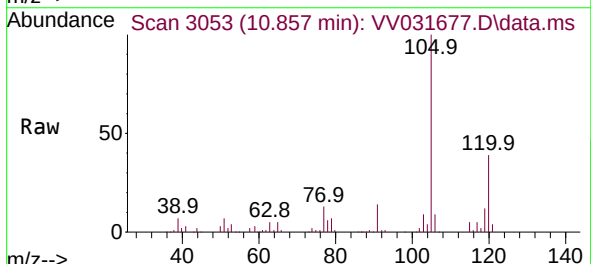
Acq: 11 Jul 2023 13:30

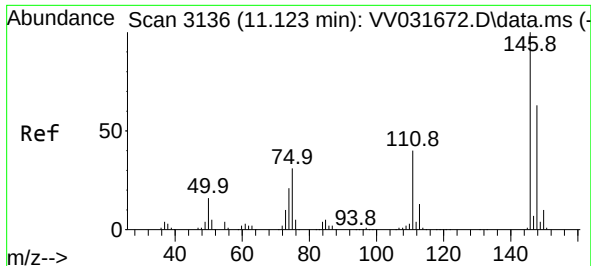
Tgt Ion:105 Resp: 63629

Ion Ratio Lower Upper

105 100

120 40.8 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 9.159 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

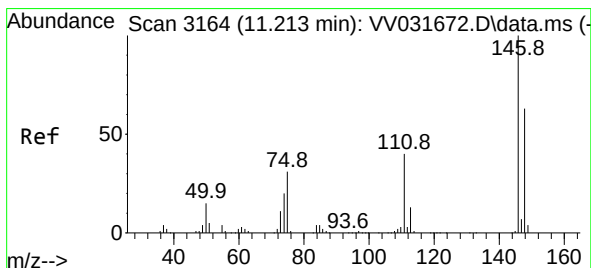
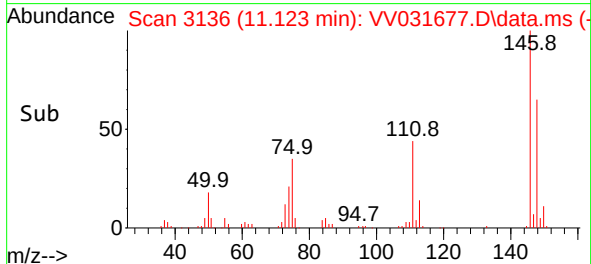
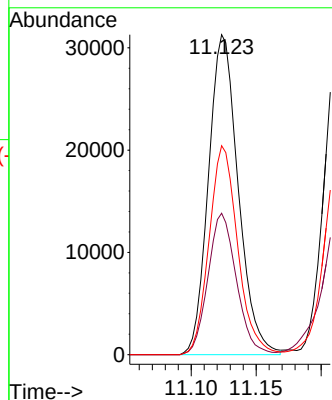
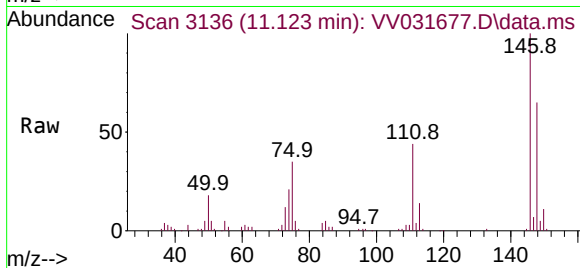
Tgt Ion:146 Resp: 49821

Ion Ratio Lower Upper

146 100

111 44.2 28.3 52.5

148 65.3 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 9.532 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

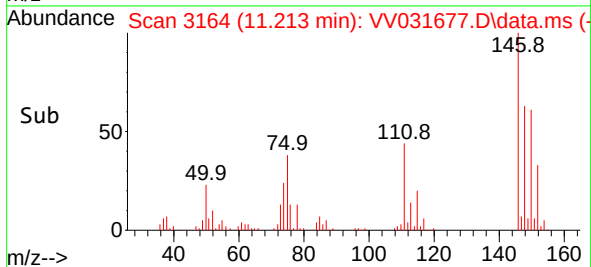
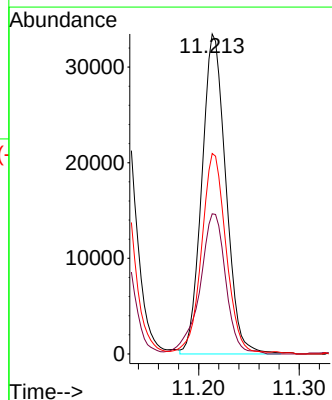
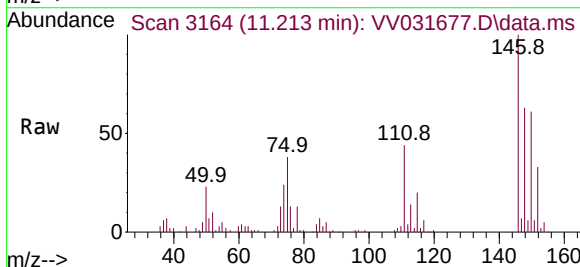
Tgt Ion:146 Resp: 55390

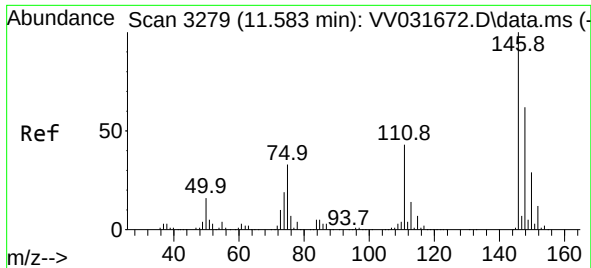
Ion Ratio Lower Upper

146 100

111 43.8 28.3 52.7

148 62.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 9.301 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

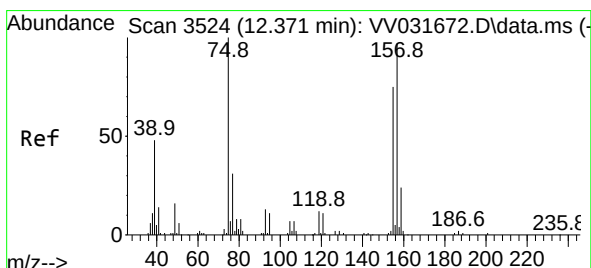
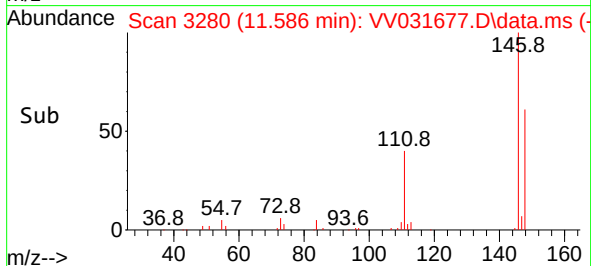
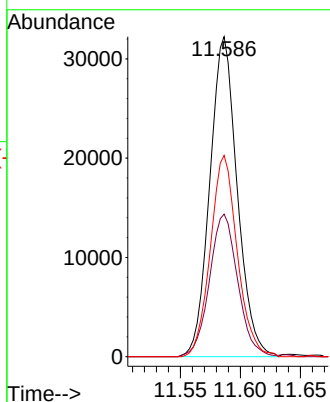
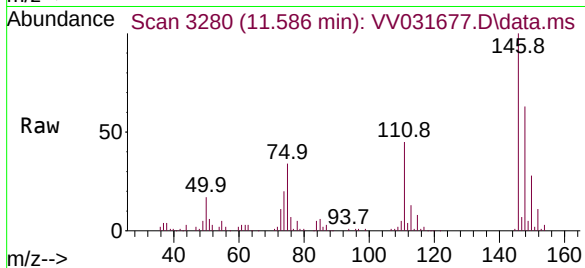
Tgt Ion:146 Resp: 51203

Ion Ratio Lower Upper

146 100

111 44.6 34.8 52.2

148 62.9 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 10.275 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

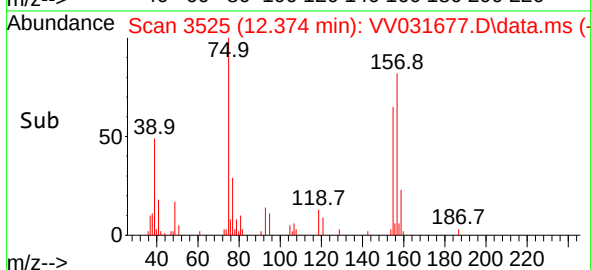
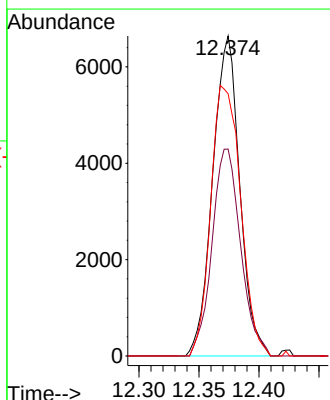
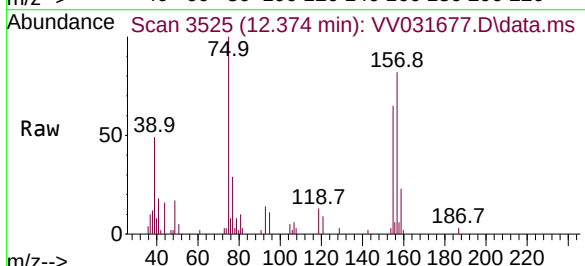
Tgt Ion: 75 Resp: 10402

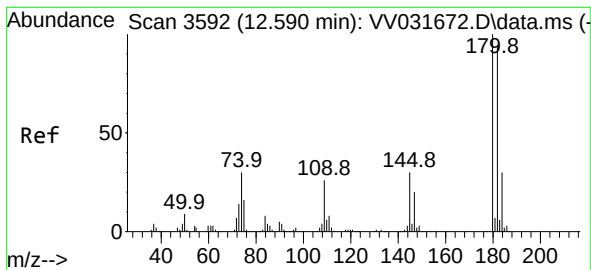
Ion Ratio Lower Upper

75 100

155 70.3 59.9 89.9

157 87.9 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 8.585 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

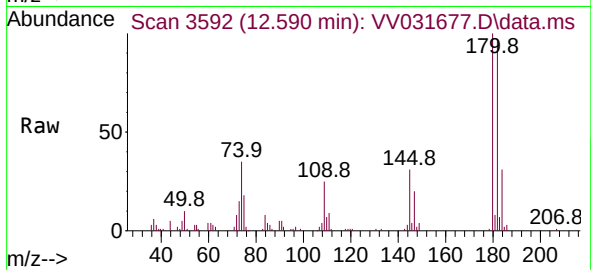
Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 35566

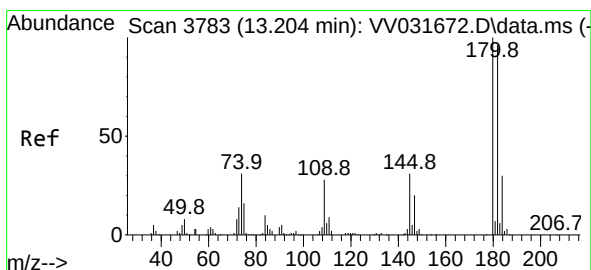
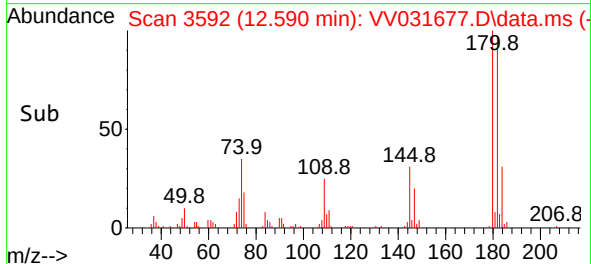
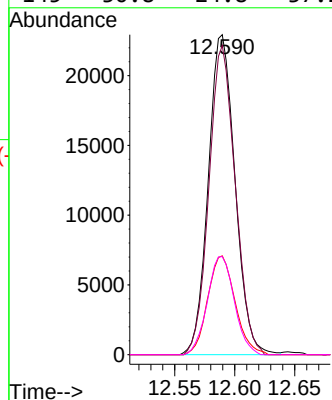
Ion Ratio Lower Upper

180 100

182 94.7 75.5 113.3

184 31.6 23.7 35.5

145 30.8 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 8.370 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

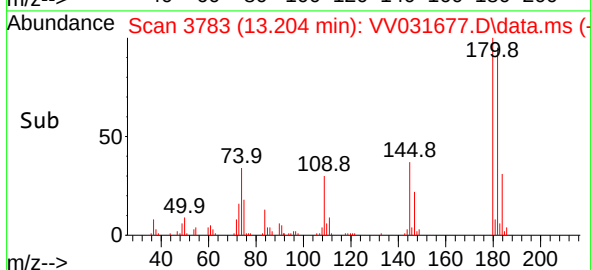
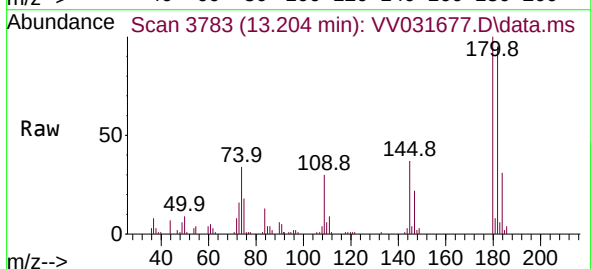
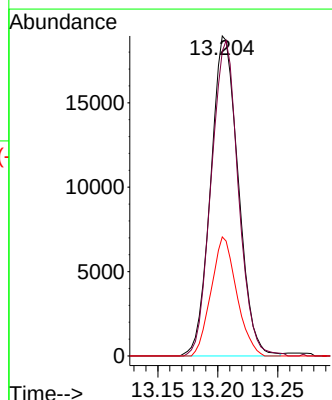
Tgt Ion:180 Resp: 30269

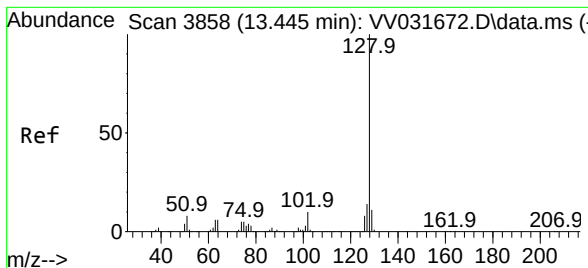
Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 34.4 25.4 38.2





#71

Naphthalene

Concen: 8.402 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

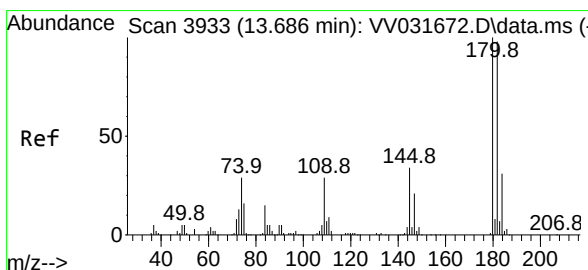
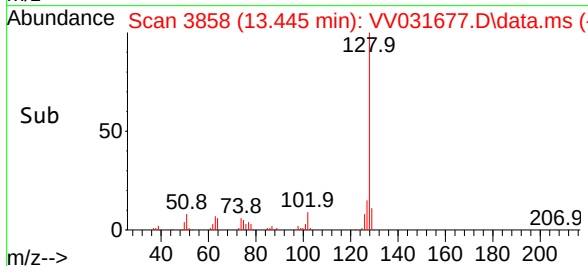
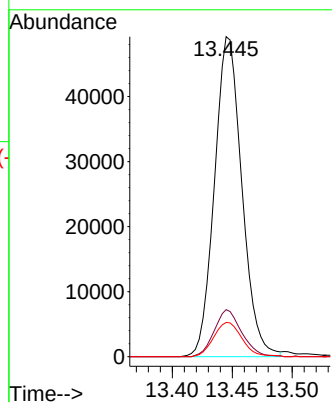
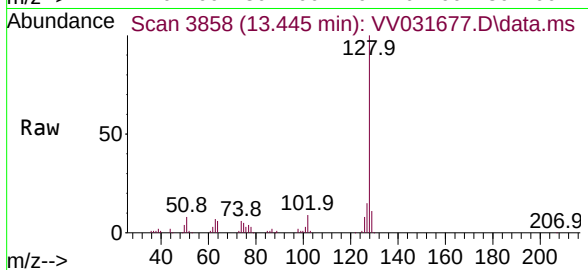
Tgt Ion:128 Resp: 78136

Ion Ratio Lower Upper

128 100

127 14.7 11.0 16.4

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 8.292 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031677.D

Acq: 11 Jul 2023 13:30

Tgt Ion:180 Resp: 31146

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 34.7 27.7 41.5

