

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070323\
 Data File : VW031630.D
 Acq On : 03 Jul 2023 11:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

Quant Time: Jul 04 06:54:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 30 04:25:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	233460	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	235839	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147982	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	78436	50.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.960%
7) Chloroethane-d5	1.532	69	70768	52.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.400%
11) 1,1-Dichloroethene-d2	2.059	65	38504	48.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.160%
21) 2-Butanone-d5	3.789	46	123759	98.368	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.370%
24) Chloroform-d	4.252	84	183424	47.138	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.280%
26) 1,2-Dichloroethane-d4	4.944	65	112194	46.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
32) Benzene-d6	4.963	84	291154	43.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.720%
36) 1,2-Dichloropropane-d6	5.992	67	105159	44.694	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.380%
41) Toluene-d8	7.246	98	266752	43.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.580%
43) trans-1,3-Dichloroprop...	7.554	79	49759	43.382	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.760%
47) 2-Hexanone-d5	8.030	63	90703	97.637	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.640%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	168703	47.503	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	11.567	152	112440	39.861	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	114910	46.404	ug/L	99
3) Chloromethane	1.217	50	116190	49.724	ug/L	98
5) Vinyl chloride	1.285	62	114886	49.598	ug/L	100
6) Bromomethane	1.487	94	74209	49.154	ug/L	100
8) Chloroethane	1.548	64	73618	49.207	ug/L	97
9) Trichlorofluoromethane	1.715	101	178427	46.301	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	102602	49.682	ug/L	95
12) 1,1-Dichloroethene	2.072	96	83599	48.395	ug/L	96
13) Acetone	2.114	43	158681	127.819	ug/L	96
14) Carbon disulfide	2.243	76	237283	45.410	ug/L	99
15) Methyl Acetate	2.375	43	108013	51.677	ug/L	99
16) Methylene chloride	2.449	84	97366	44.958	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	80395	44.586	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	270545	44.966	ug/L	98
19) 1,1-Dichloroethane	3.114	63	185530	47.673	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	87675	44.993	ug/L	99
22) 2-Butanone	3.870	43	163284	105.285	ug/L	97
23) Bromochloromethane	4.149	128	47858	45.435	ug/L	91
25) Chloroform	4.278	83	188682	46.639	ug/L	99

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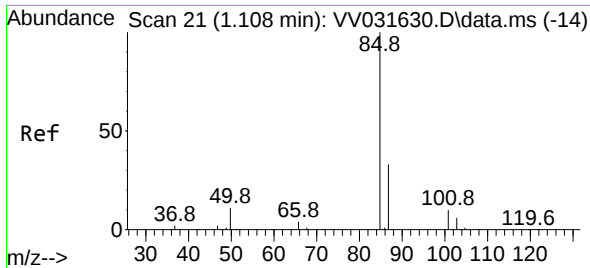
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	148694	47.623	ug/L	99
29) Cyclohexane	4.590	56	133231	43.421	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	169987	44.956	ug/L	97
31) Carbon tetrachloride	4.738	117	151583	45.245	ug/L	100
33) Benzene	5.014	78	360964	45.971	ug/L	100
34) Trichloroethene	5.837	95	92092	43.891	ug/L	97
35) Methylcyclohexane	6.056	83	132156	42.748	ug/L	96
37) 1,2-Dichloropropane	6.098	63	108998	47.273	ug/L	100
38) Bromodichloromethane	6.436	83	145245	46.605	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	157744	46.089	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	283429	104.688	ug/L	96
42) Toluene	7.320	91	384456	47.224	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	156793	47.042	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	102259	46.949	ug/L	100
46) Tetrachloroethene	7.911	164	70561	42.848	ug/L	98
48) 2-Hexanone	8.079	43	245348	113.468	ug/L	95
49) Dibromochloromethane	8.181	129	110809	45.775	ug/L	99
50) 1,2-Dibromoethane	8.284	107	105879	45.653	ug/L	96
51) Chlorobenzene	8.818	112	242868	45.043	ug/L	98
52) Ethylbenzene	8.950	91	409271	45.053	ug/L	99
53) m,p-Xylene	9.079	106	151922	45.667	ug/L	97
54) o-Xylene	9.484	106	141615	44.858	ug/L	100
55) Styrene	9.500	104	275569	48.876	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	168935	47.469	ug/L	93
59) Bromoform	9.670	173	82705	45.087	ug/L	98
60) Isopropylbenzene	9.873	105	397900	42.176	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	133253	45.590	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	317383	40.704	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	295519	40.676	ug/L	97
64) 1,3-Dichlorobenzene	11.123	146	201620	42.627	ug/L	100
65) 1,4-Dichlorobenzene	11.213	146	211527	41.968	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	202597	42.439	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	38998	44.954	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	147004	40.789	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	130063	41.171	ug/L	100
71) Naphthalene	13.445	128	348172	43.512	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	142107	43.288	ug/L	98

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

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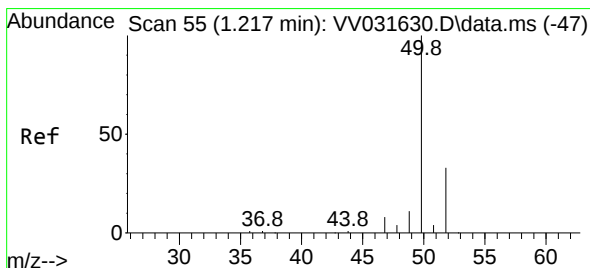
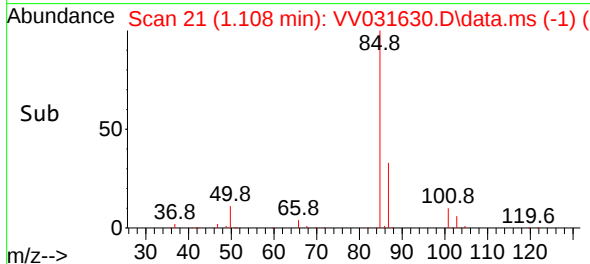
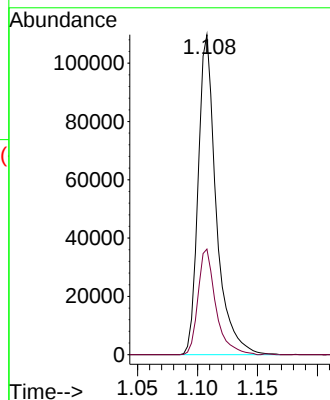
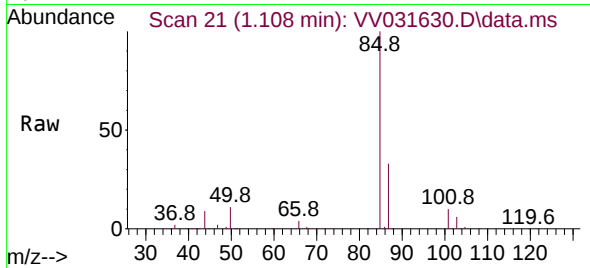




#2
 Dichlorodifluoromethane
 Concen: 46.404 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031630.D
 Acq: 03 Jul 2023 11:07

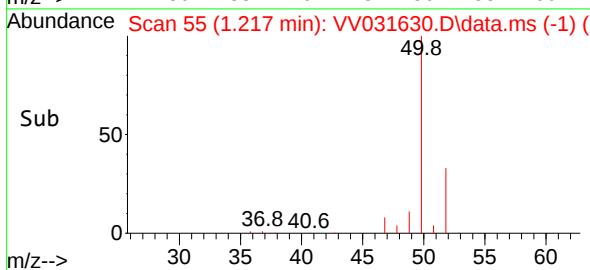
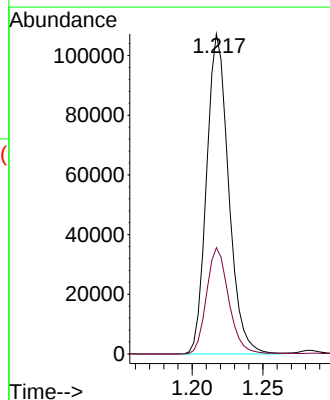
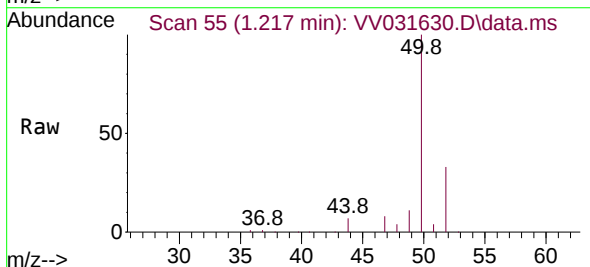
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

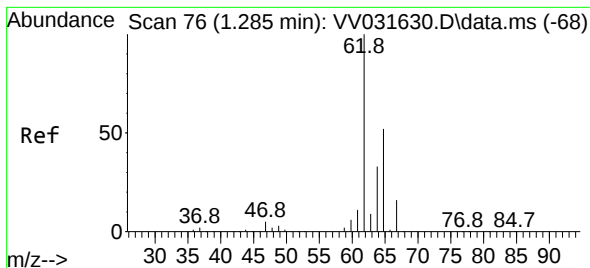
Tgt Ion: 85 Resp: 114910
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.5 38.3



#3
 Chloromethane
 Concen: 49.724 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031630.D
 Acq: 03 Jul 2023 11:07

Tgt Ion: 50 Resp: 116190
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.3 41.5





#5

Vinyl chloride

Concen: 49.598 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

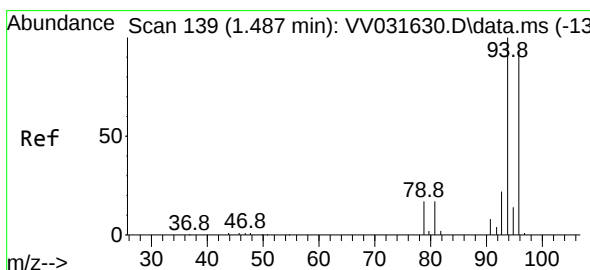
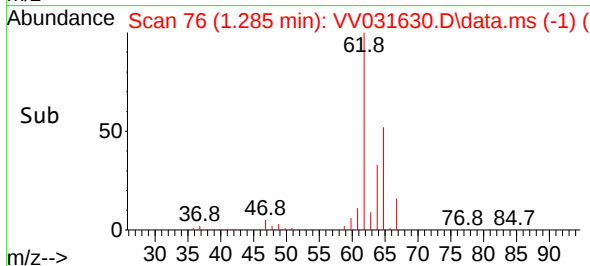
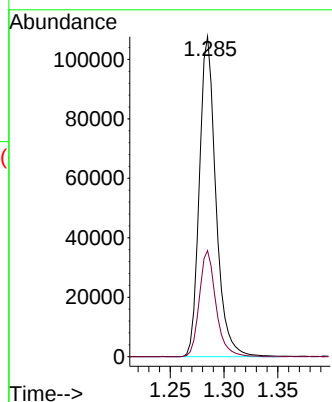
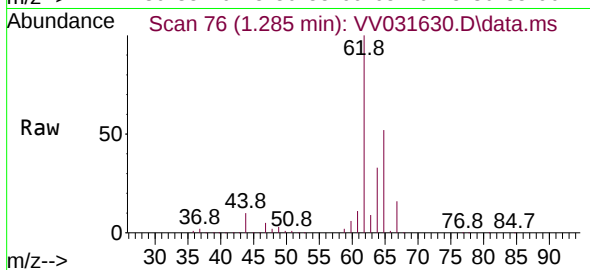
VSTD050382

Tgt Ion: 62 Resp: 114886

Ion Ratio Lower Upper

62 100

64 33.1 23.4 43.4



#6

Bromomethane

Concen: 49.154 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV031630.D

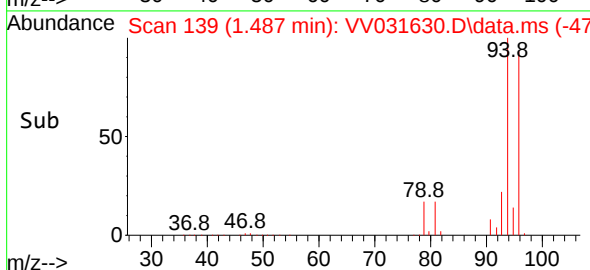
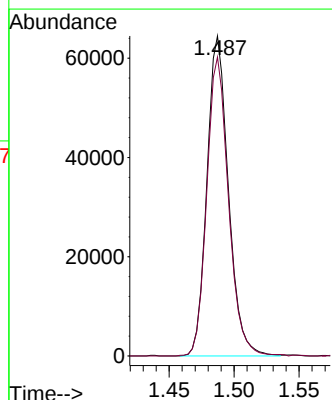
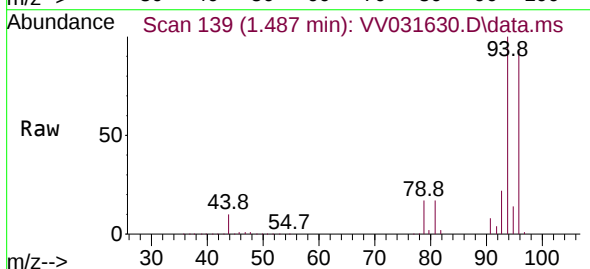
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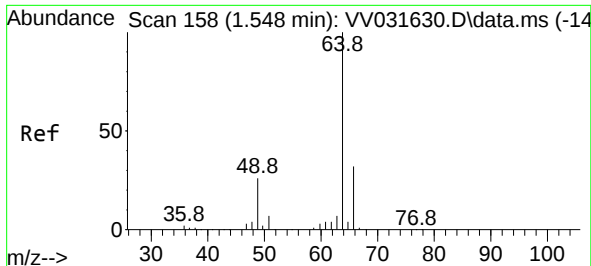
Tgt Ion: 94 Resp: 74209

Ion Ratio Lower Upper

94 100

96 93.4 65.4 121.4

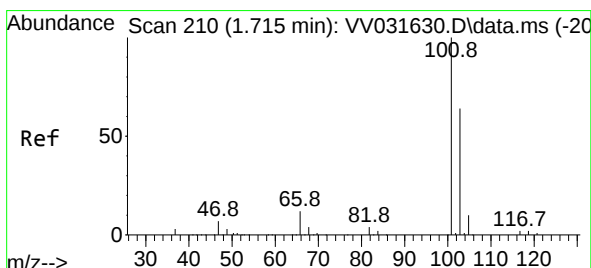
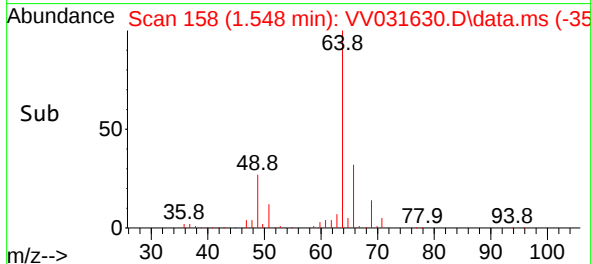
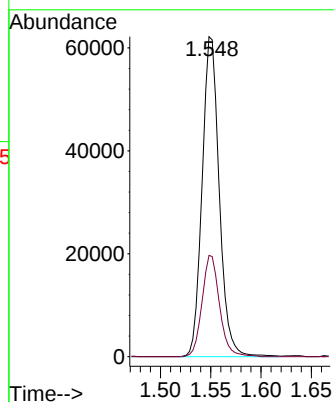
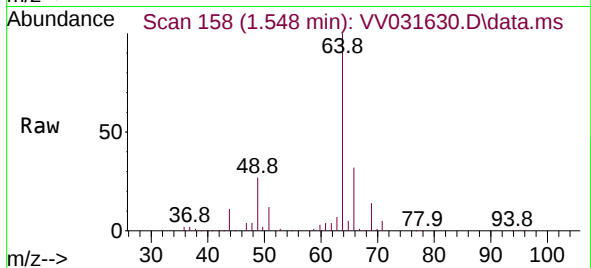




#8
Chloroethane
Concen: 49.207 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

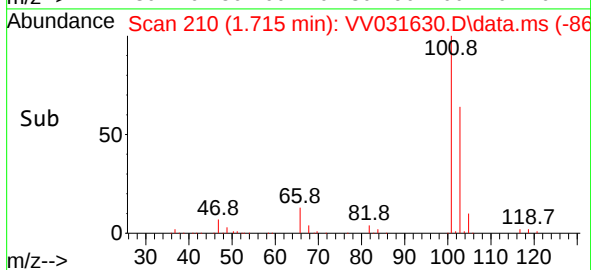
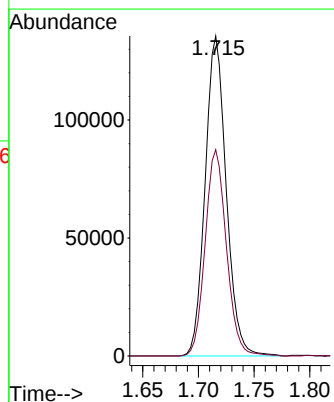
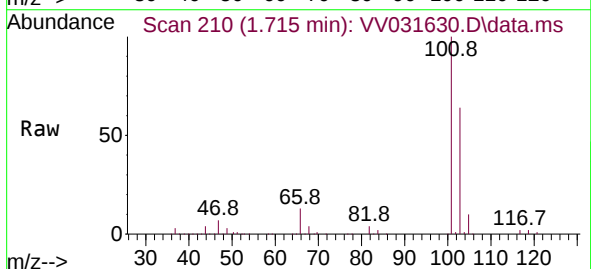
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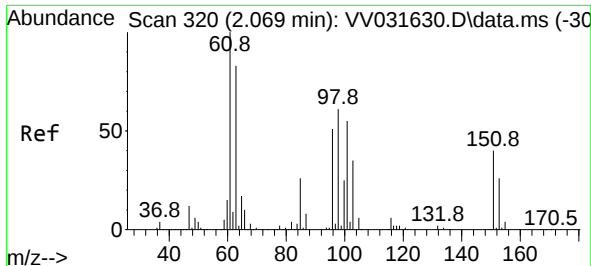
Tgt Ion: 64 Resp: 73618
Ion Ratio Lower Upper
64 100
66 31.7 21.0 39.0



#9
Trichlorofluoromethane
Concen: 46.301 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:101 Resp: 178427
Ion Ratio Lower Upper
101 100
103 65.0 50.9 76.3





#10

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

Concen: 49.682 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050382

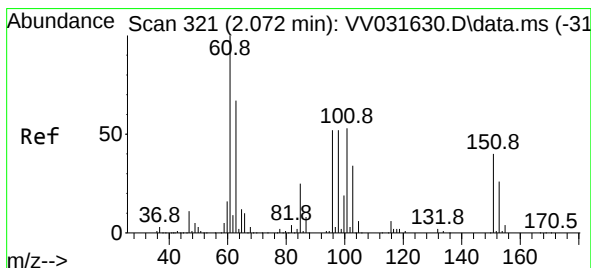
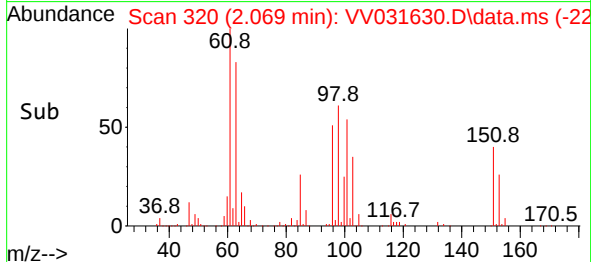
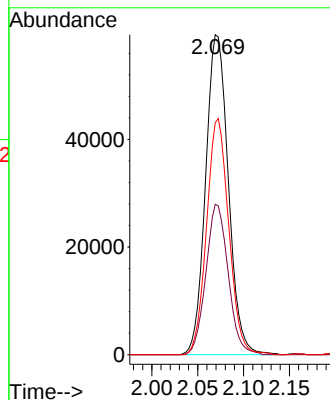
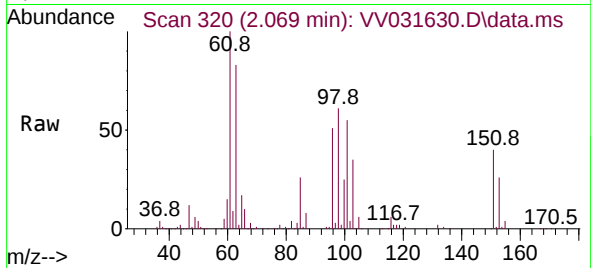
Tgt Ion:101 Resp: 102602

Ion Ratio Lower Upper

101 100

85 46.0 37.4 56.0

151 72.0 62.3 93.5



#12

1,1-Dichloroethene

Concen: 48.395 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

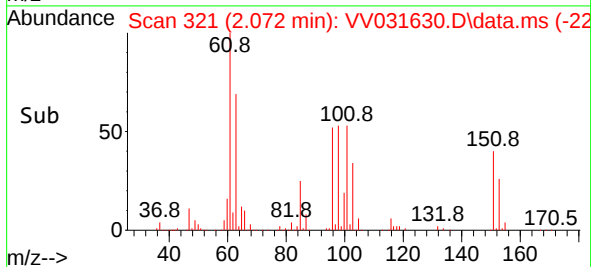
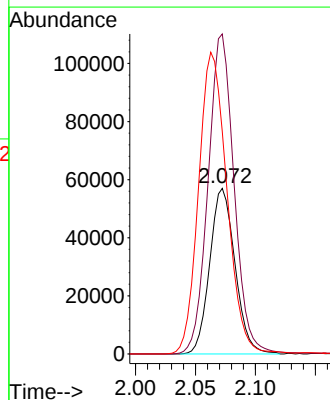
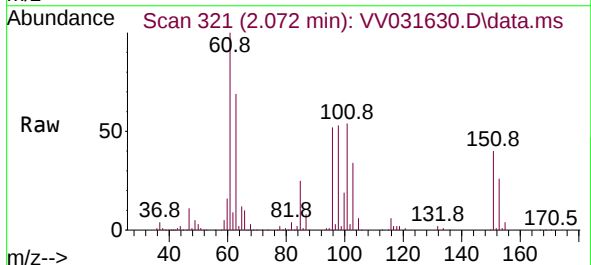
Tgt Ion: 96 Resp: 83599

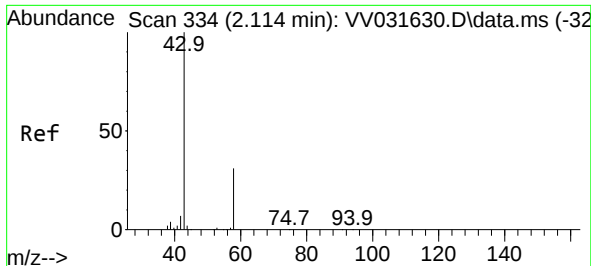
Ion Ratio Lower Upper

96 100

61 193.2 128.9 239.5

63 134.2 95.3 177.1





#13

Acetone

Concen: 127.819 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.006 min

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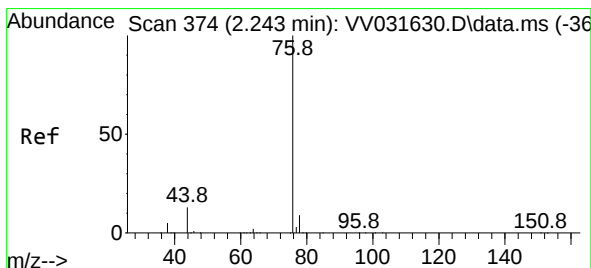
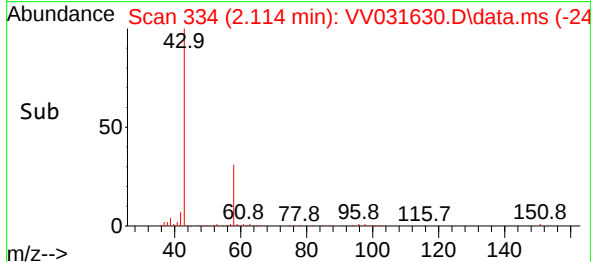
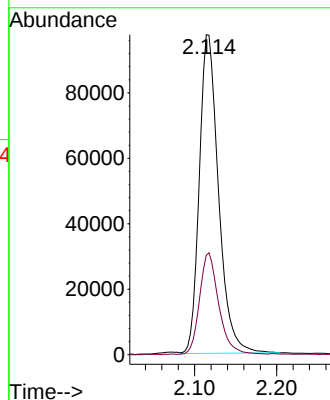
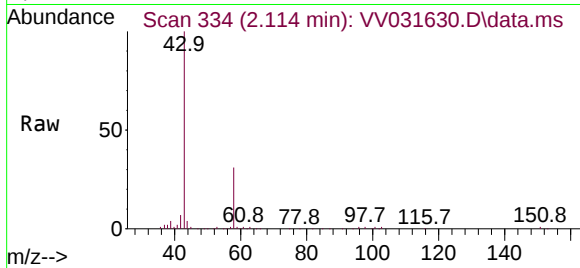
VSTD050382

Tgt Ion: 43 Resp: 158681

Ion Ratio Lower Upper

43 100

58 31.8 0.0 68.6



#14

Carbon disulfide

Concen: 45.410 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031630.D

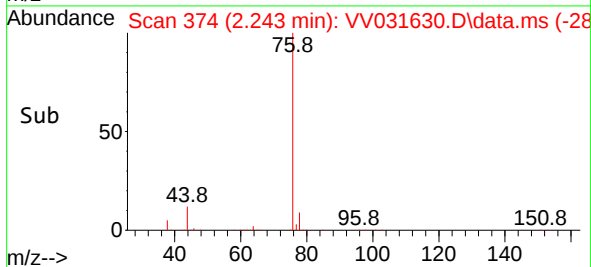
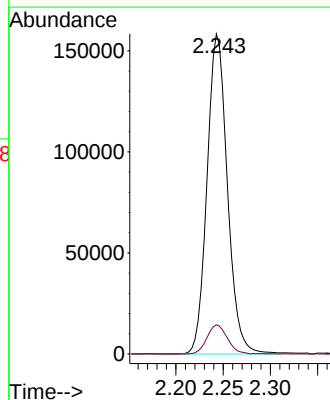
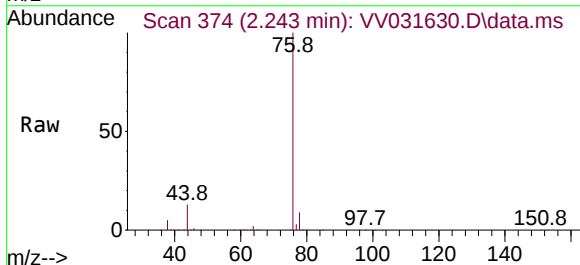
Acq: 03 Jul 2023 11:07

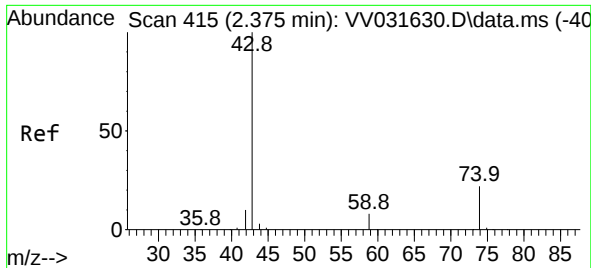
Tgt Ion: 76 Resp: 237283

Ion Ratio Lower Upper

76 100

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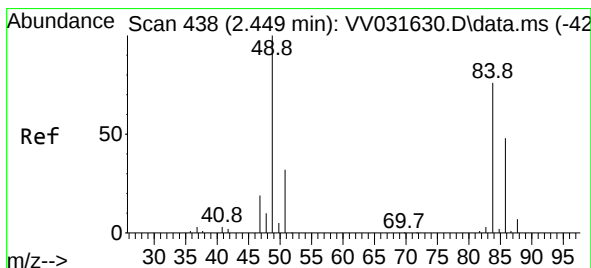
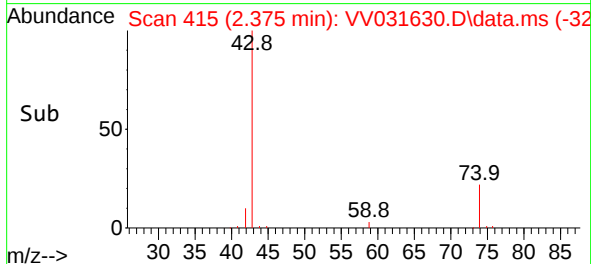
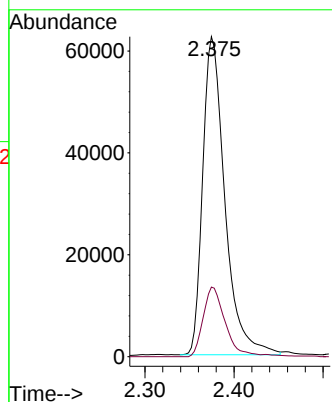
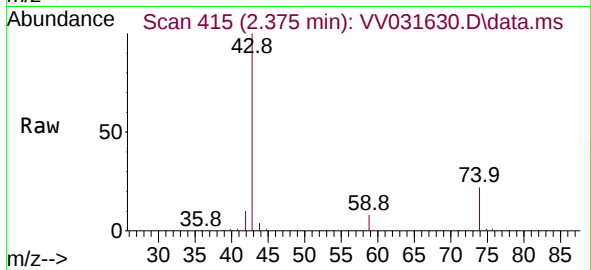




#15
Methyl Acetate
Concen: 51.677 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

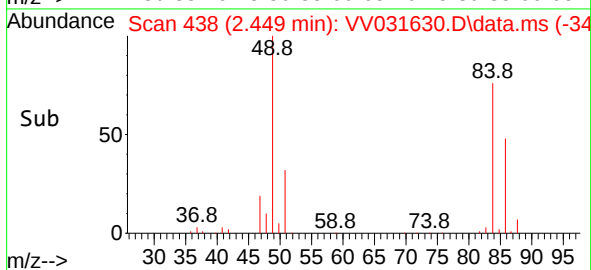
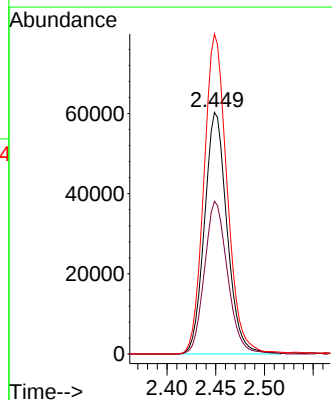
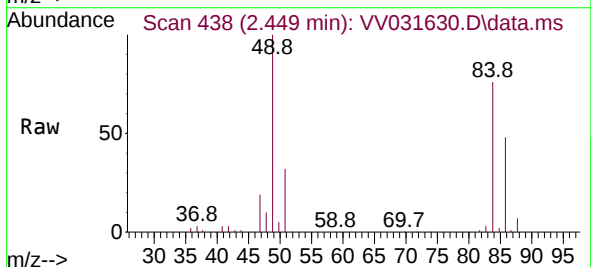
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

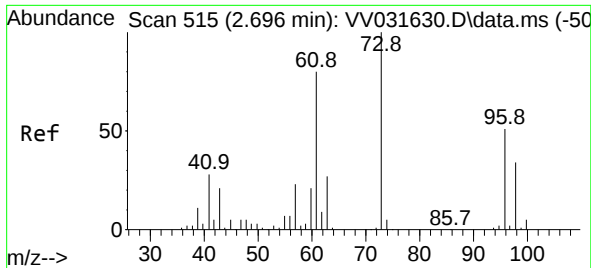
Tgt Ion: 43 Resp: 108013
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.6



#16
Methylene chloride
Concen: 44.958 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 84 Resp: 97366
Ion Ratio Lower Upper
84 100
86 64.3 45.8 85.0
49 132.4 92.1 171.1

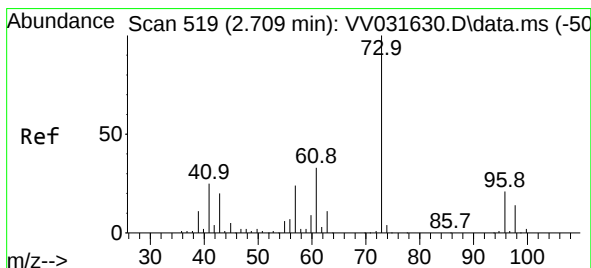
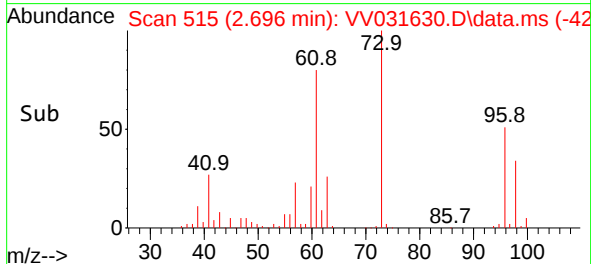
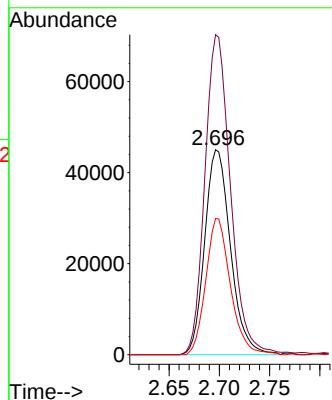
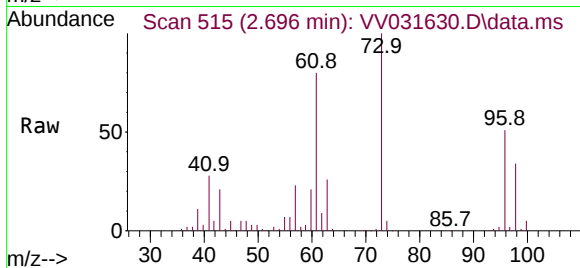




#17
trans-1,2-Dichloroethene
Concen: 44.586 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

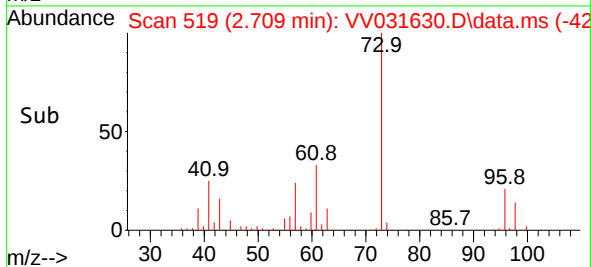
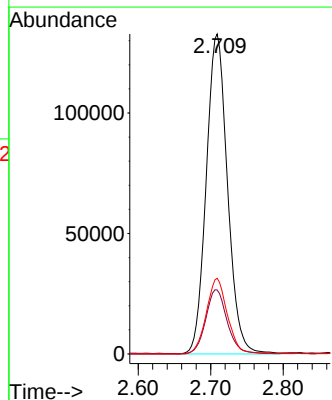
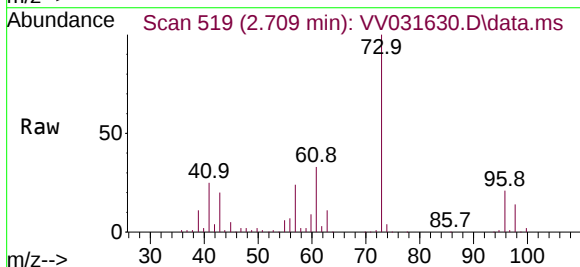
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

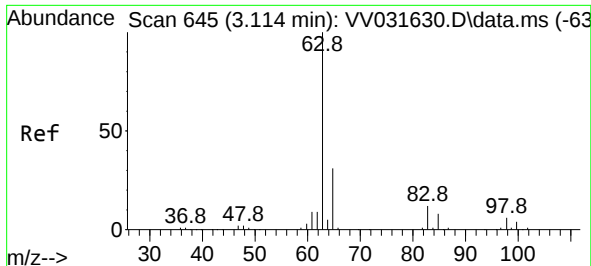
Tgt Ion:	96	Resp:	80395
Ion	Ratio	Lower	Upper
96	100		
61	149.1	102.5	190.3
98	63.4	44.1	81.9



#18
Methyl tert-butyl Ether
Concen: 44.966 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:	73	Resp:	270545
Ion	Ratio	Lower	Upper
73	100		
43	20.1	15.0	22.4
57	23.4	18.2	27.4

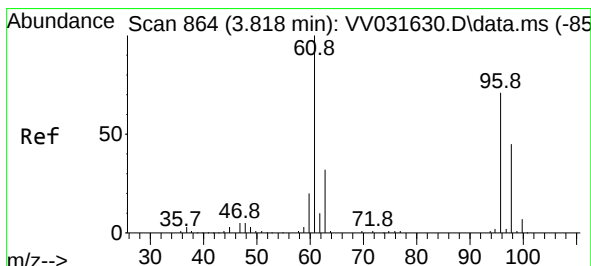
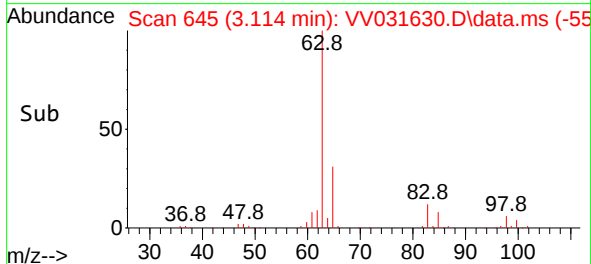
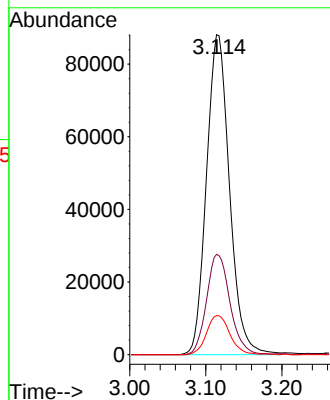
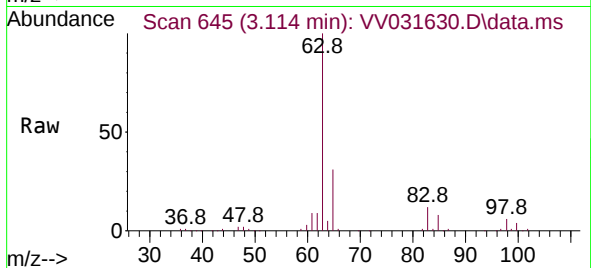




#19
 1,1-Dichloroethane
 Concen: 47.673 ug/L
 RT: 3.114 min Scan# 645
 Delta R.T. -0.003 min
 Lab File: VV031630.D
 Acq: 03 Jul 2023 11:07

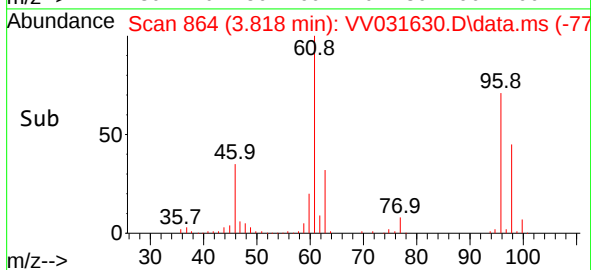
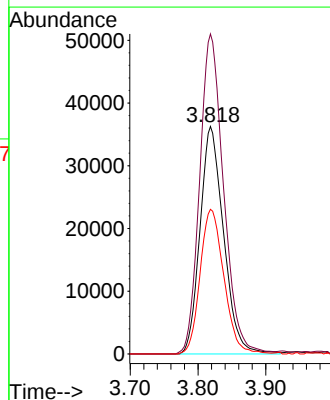
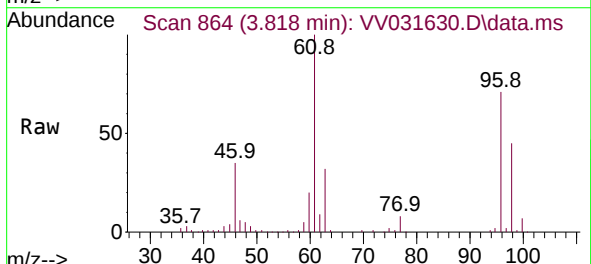
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

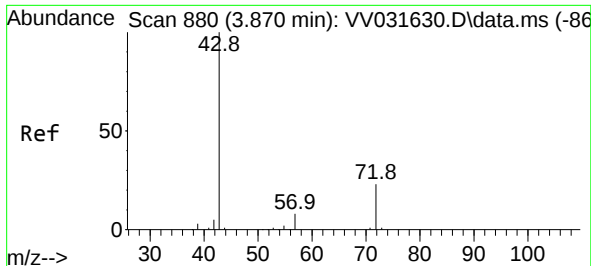
Tgt Ion: 63 Resp: 185530
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 12.2 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 44.993 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.003 min
 Lab File: VV031630.D
 Acq: 03 Jul 2023 11:07

Tgt Ion: 96 Resp: 87675
 Ion Ratio Lower Upper
 96 100
 61 140.7 98.6 183.0
 98 63.6 45.7 84.9

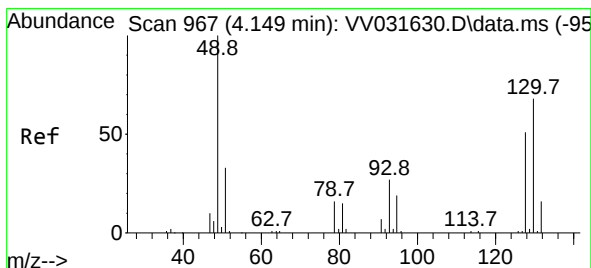
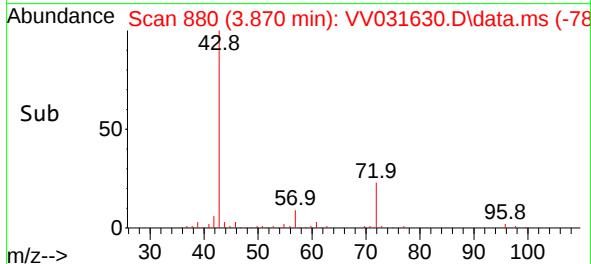
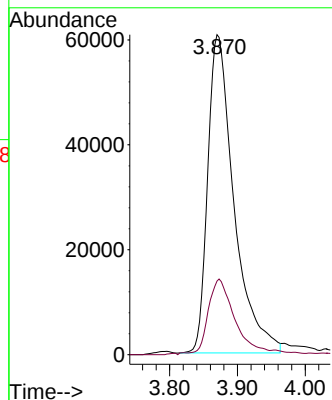
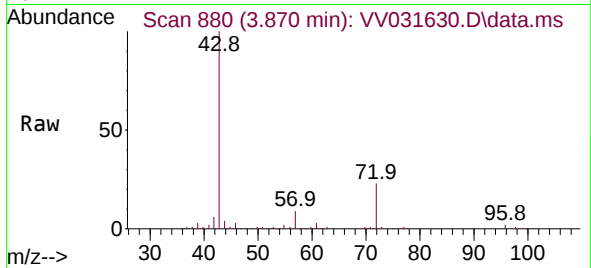




#22
2-Butanone
Concen: 105.285 ug/L
RT: 3.870 min Scan# 880
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

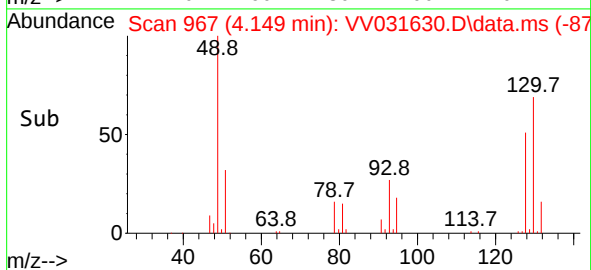
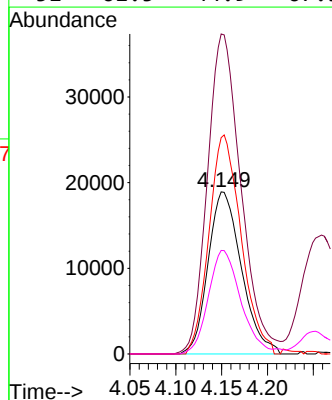
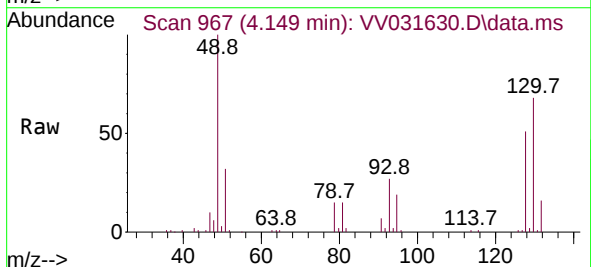
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

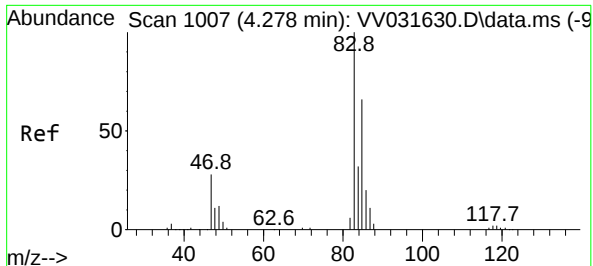
Tgt Ion: 43 Resp: 163284
Ion Ratio Lower Upper
43 100
72 22.6 12.2 36.4



#23
Bromochloromethane
Concen: 45.435 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:128 Resp: 47858
Ion Ratio Lower Upper
128 100
49 190.0 120.6 224.0
130 130.3 88.1 163.7
51 61.5 44.9 67.3

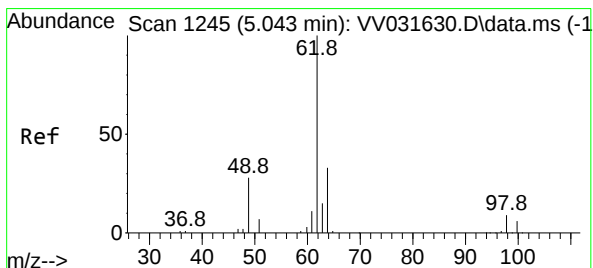
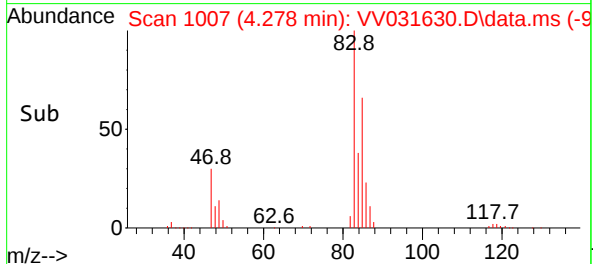
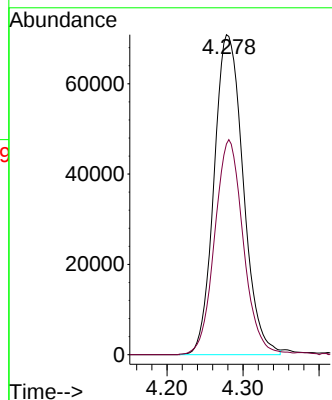
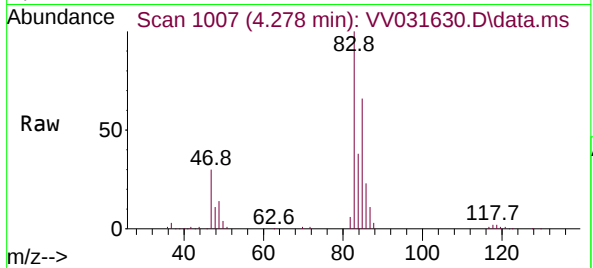




#25
Chloroform
Concen: 46.639 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

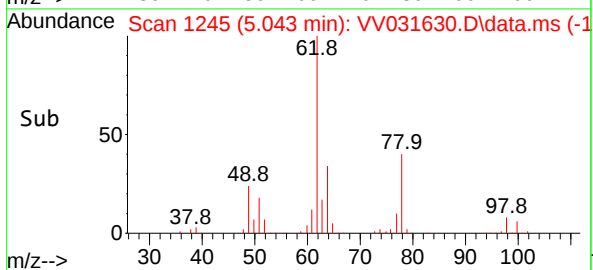
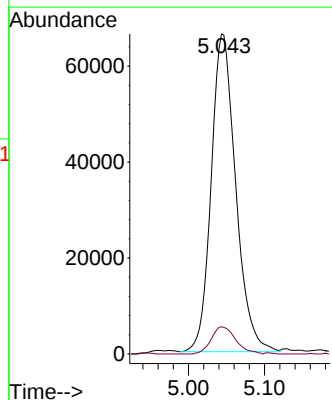
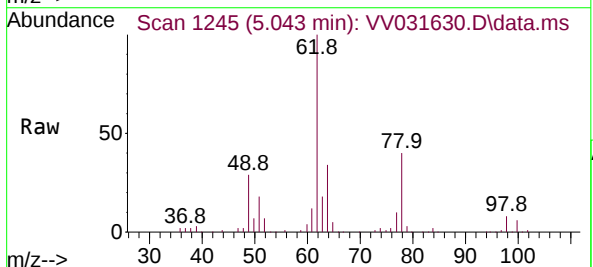
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

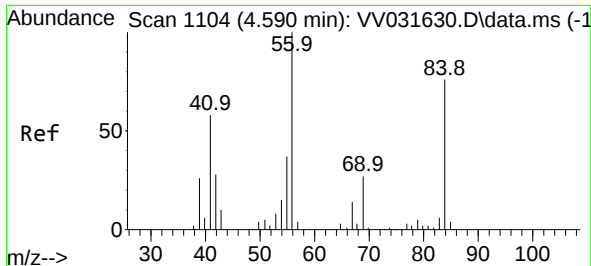
Tgt Ion: 83 Resp: 188682
Ion Ratio Lower Upper
83 100
85 65.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 47.623 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 62 Resp: 148694
Ion Ratio Lower Upper
62 100
98 8.5 6.6 9.8

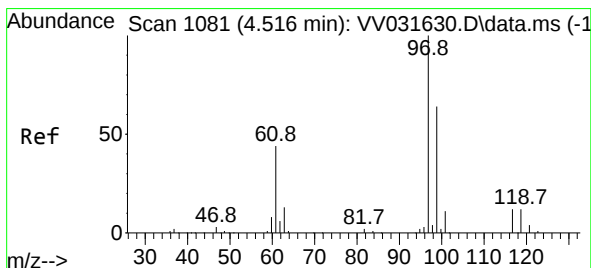
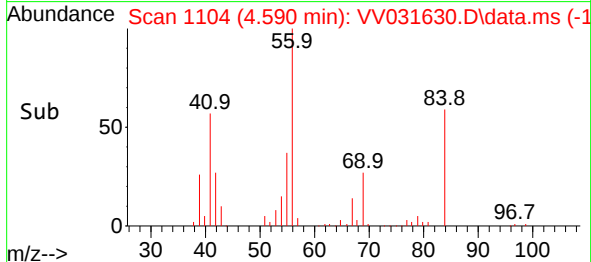
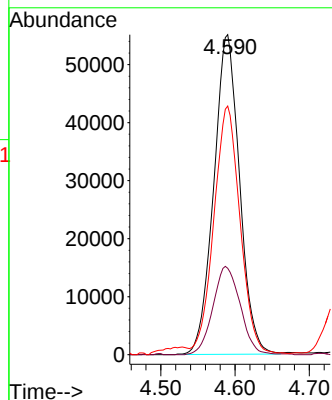
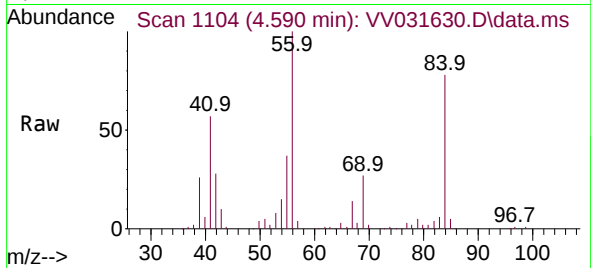




#29
Cyclohexane
Concen: 43.421 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

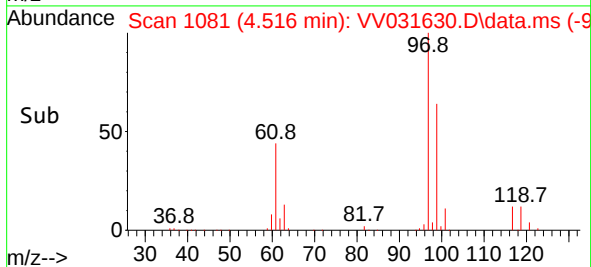
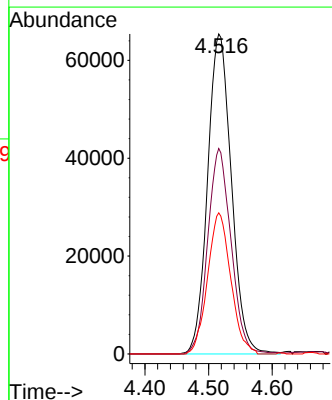
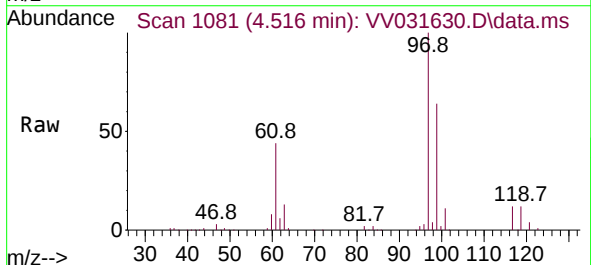
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

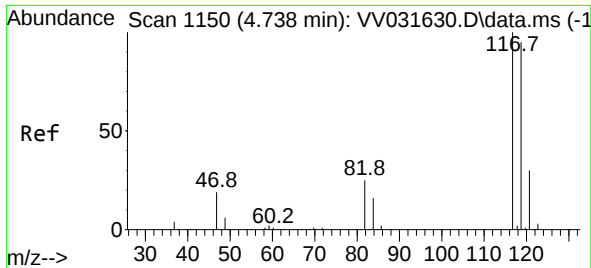
Tgt Ion: 56 Resp: 133231
Ion Ratio Lower Upper
56 100
69 29.2 24.3 36.5
84 78.2 65.0 97.6



#30
1,1,1-Trichloroethane
Concen: 44.956 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 97 Resp: 169987
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.6
61 42.9 33.0 49.6

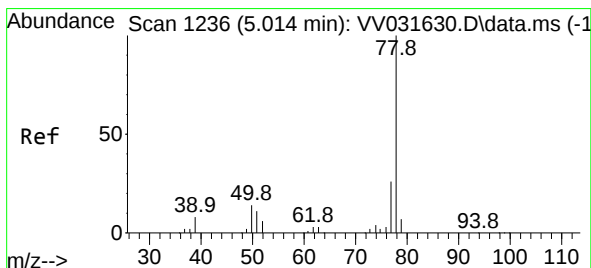
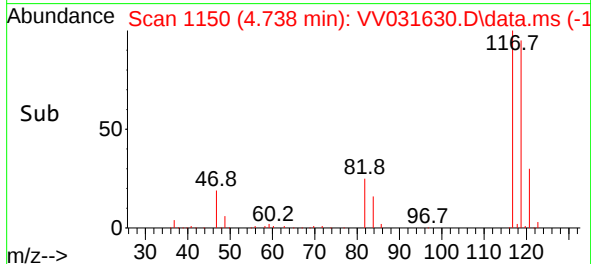
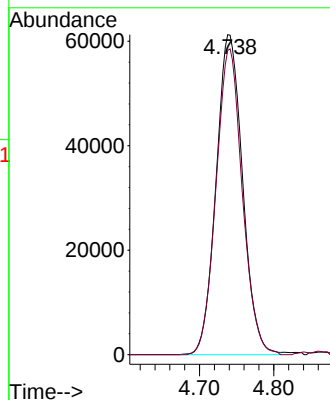
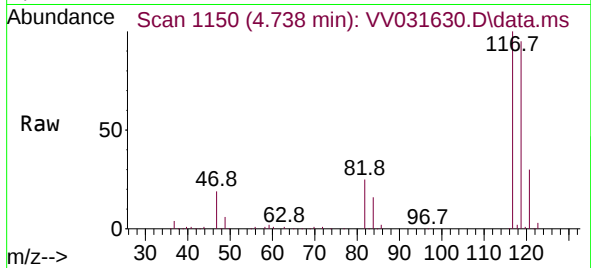




#31
Carbon tetrachloride
Concen: 45.245 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

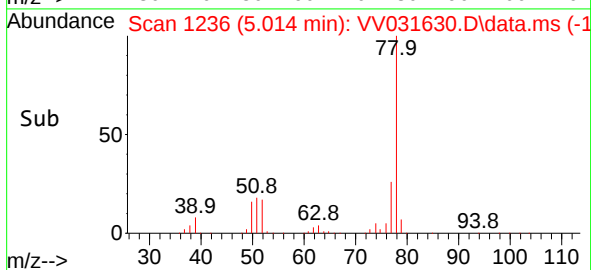
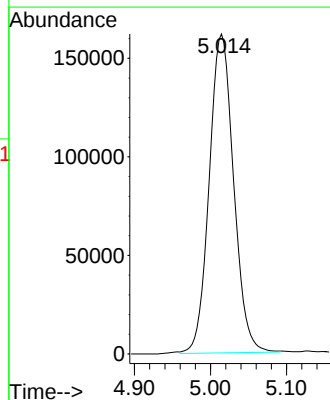
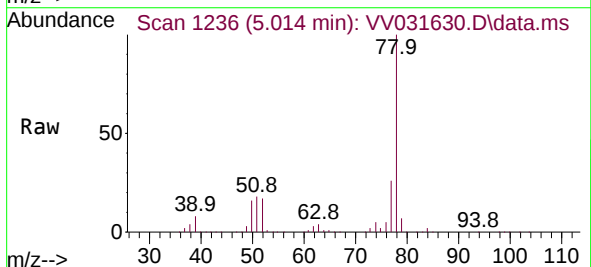
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

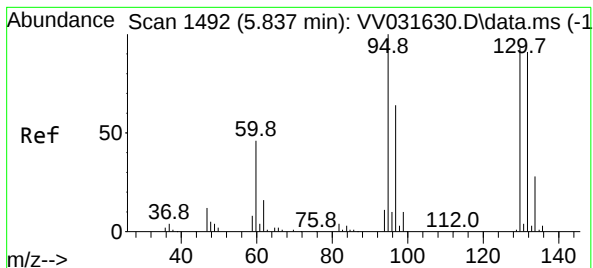
Tgt Ion:117 Resp: 151583
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.4



#33
Benzene
Concen: 45.971 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 78 Resp: 360964





#34

Trichloroethene

Concen: 43.891 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050382

Tgt Ion: 95 Resp: 92092

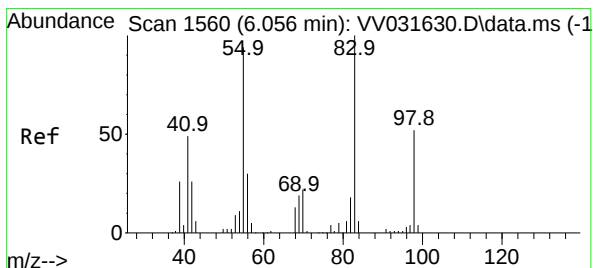
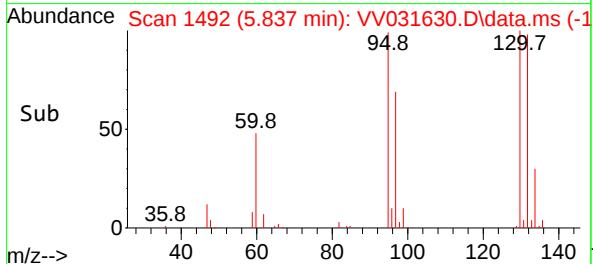
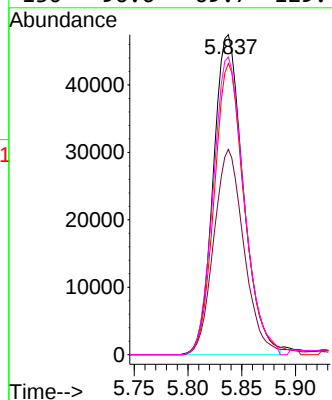
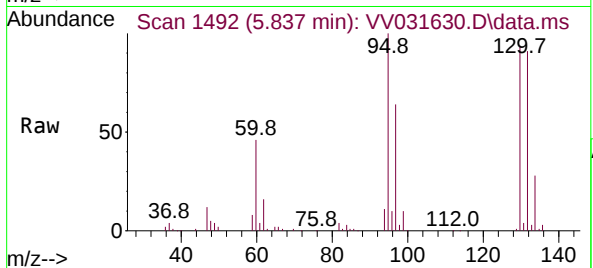
Ion Ratio Lower Upper

95 100

97 64.1 46.8 86.8

132 91.0 66.4 123.2

130 96.6 69.7 129.4



#35

Methylcyclohexane

Concen: 42.748 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

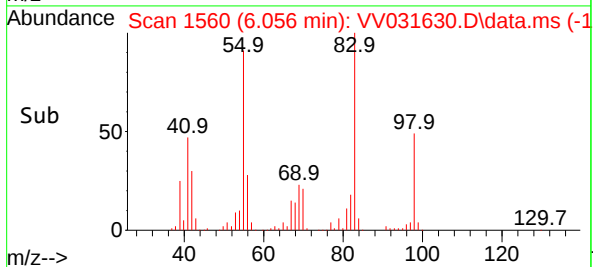
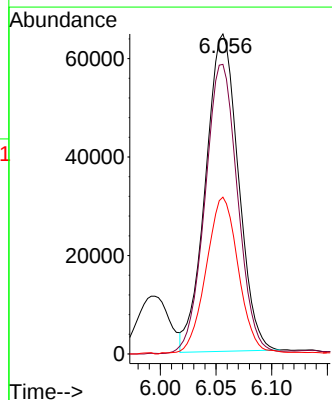
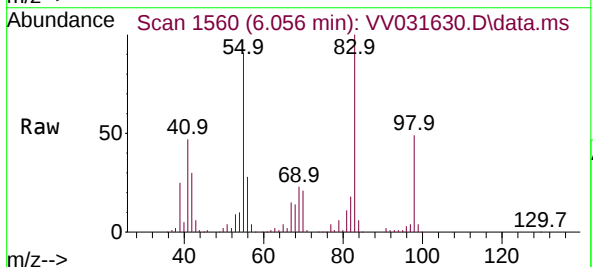
Tgt Ion: 83 Resp: 132156

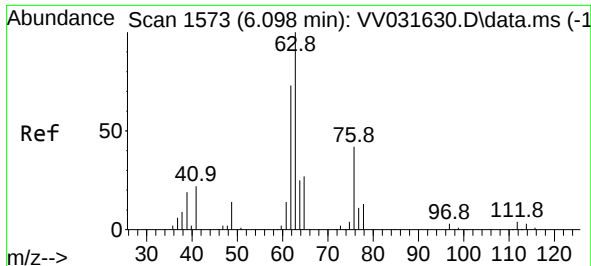
Ion Ratio Lower Upper

83 100

55 90.7 68.7 103.1

98 48.1 37.0 55.4





#37

1,2-Dichloropropane

Concen: 47.273 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

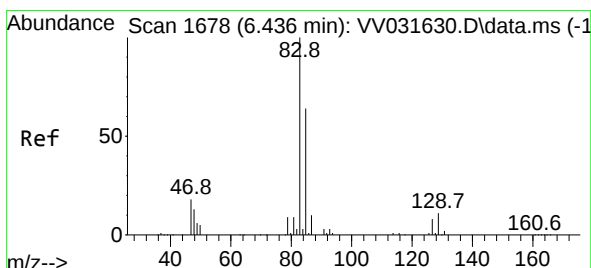
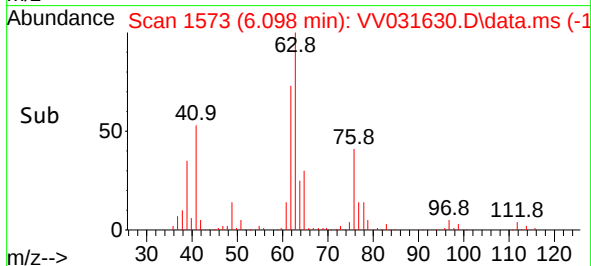
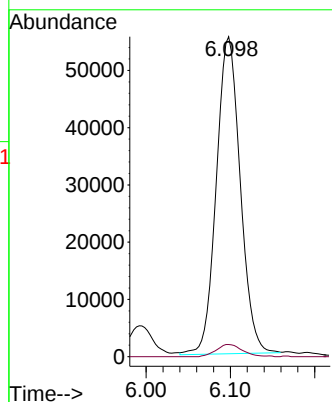
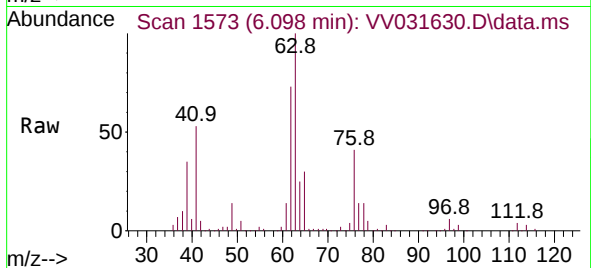
VSTD050382

Tgt Ion: 63 Resp: 108998

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 46.605 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

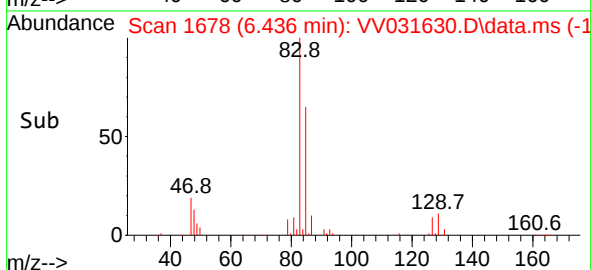
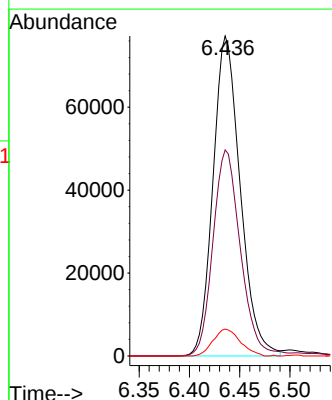
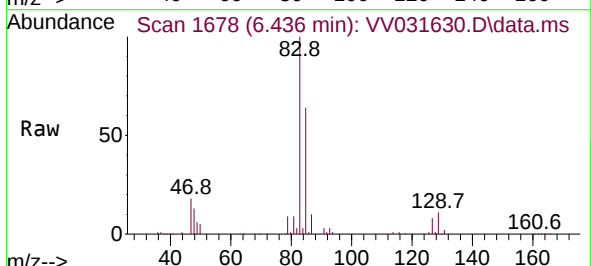
Tgt Ion: 83 Resp: 145245

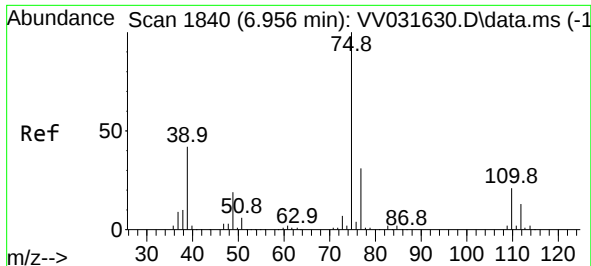
Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 46.089 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

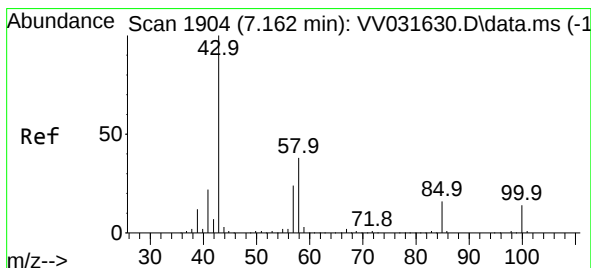
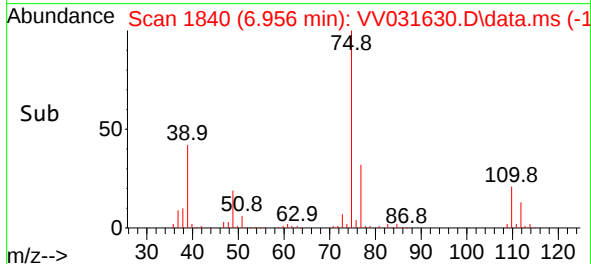
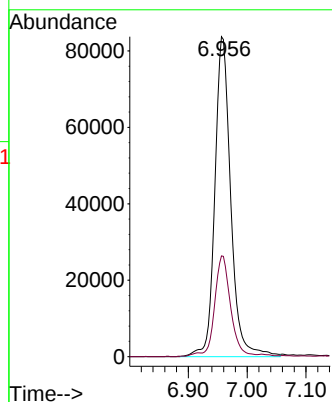
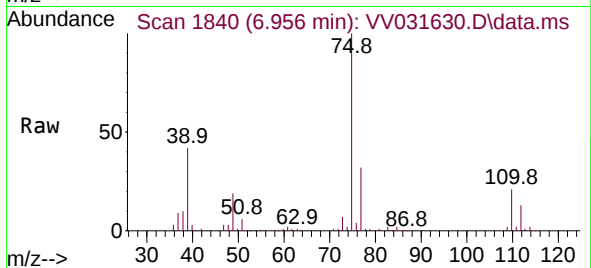
VSTD050382

Tgt Ion: 75 Resp: 157744

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 104.688 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

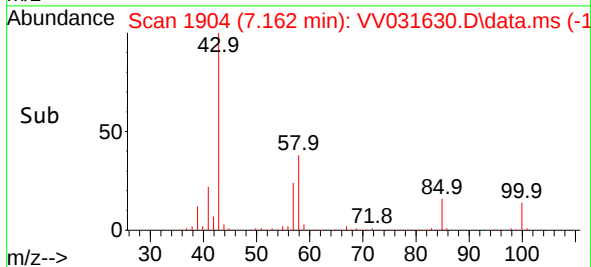
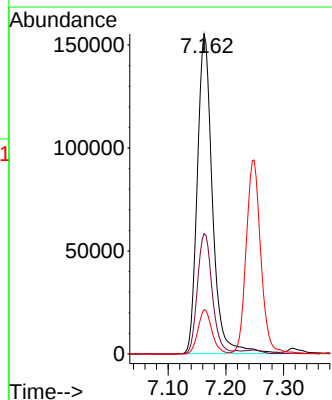
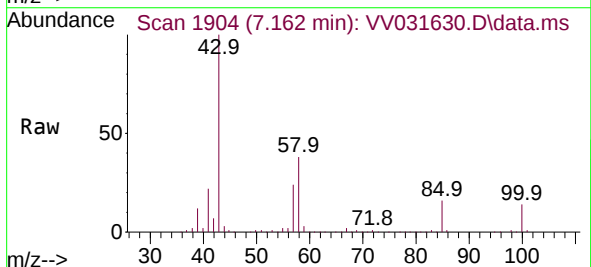
Tgt Ion: 43 Resp: 283429

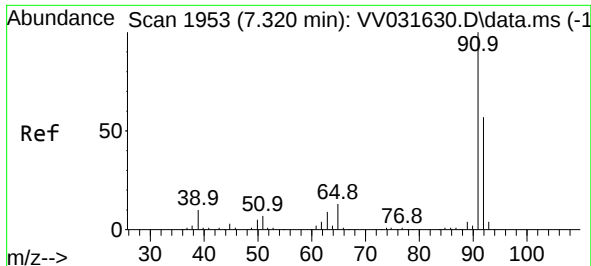
Ion Ratio Lower Upper

43 100

58 36.8 31.8 47.8

100 12.8 11.1 16.7





#42

Toluene

Concen: 47.224 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

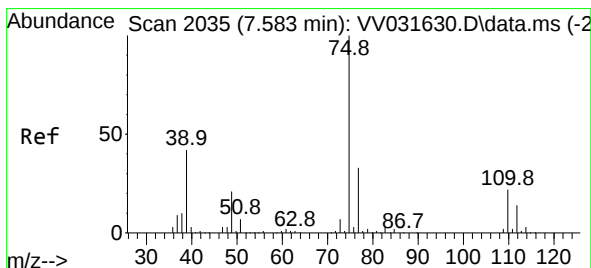
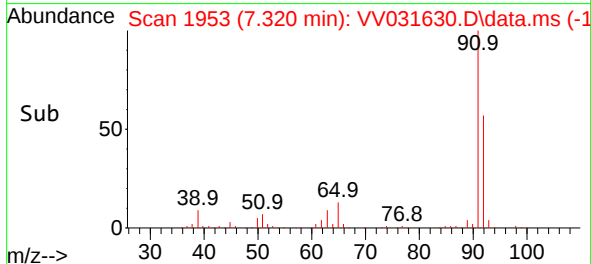
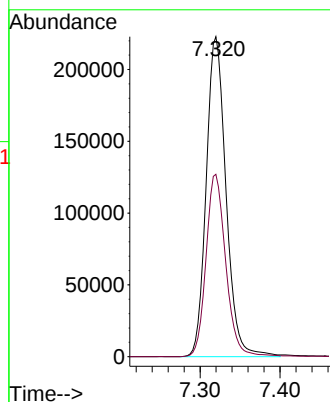
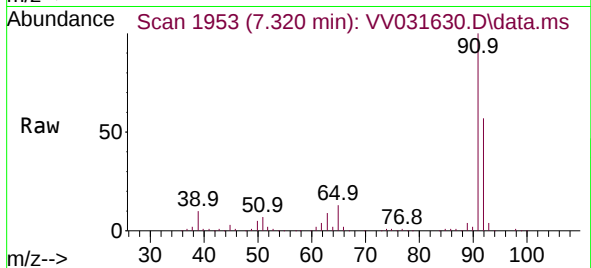
VSTD050382

Tgt Ion: 91 Resp: 384456

Ion Ratio Lower Upper

91 100

92 57.0 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 47.042 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV031630.D

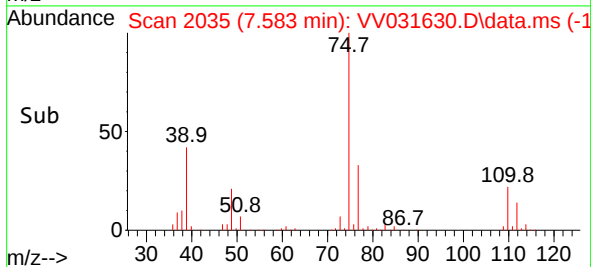
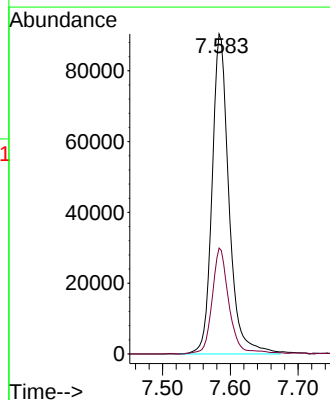
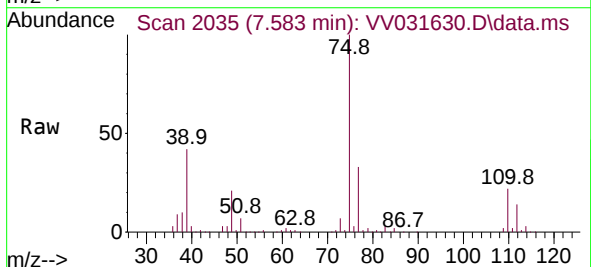
Acq: 03 Jul 2023 11:07

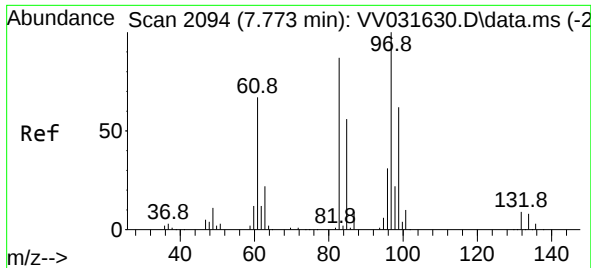
Tgt Ion: 75 Resp: 156793

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



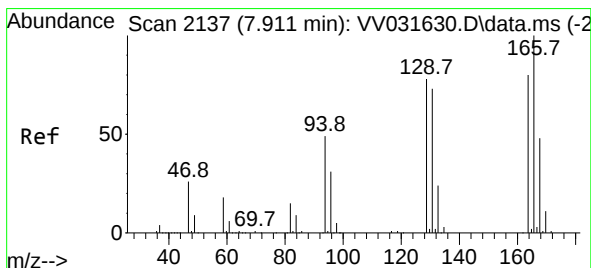
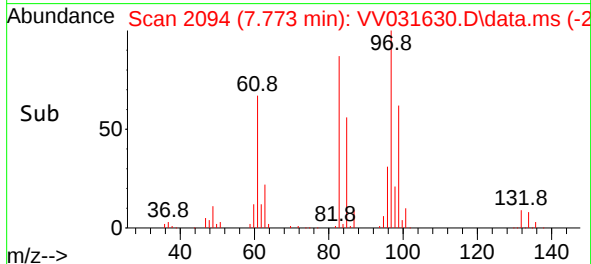
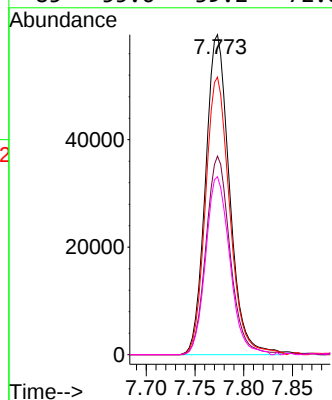
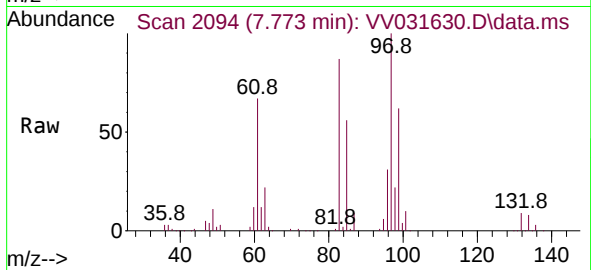


#45
1,1,2-Trichloroethane
Concen: 46.949 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

Tgt Ion: 97 Resp: 102259

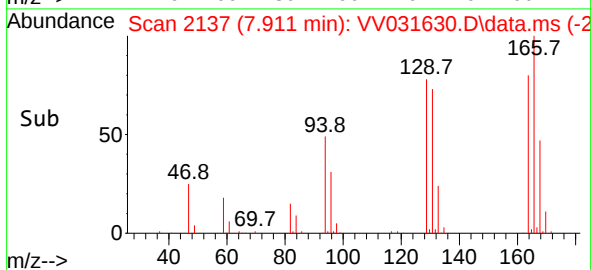
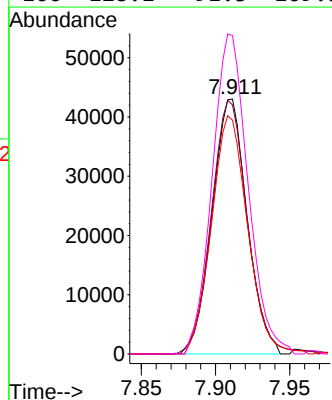
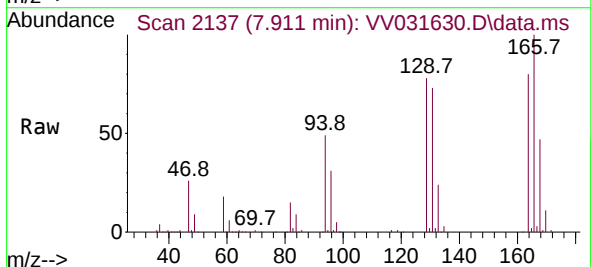
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.7	81.1
83	86.7	60.9	113.1
85	55.6	39.2	72.8

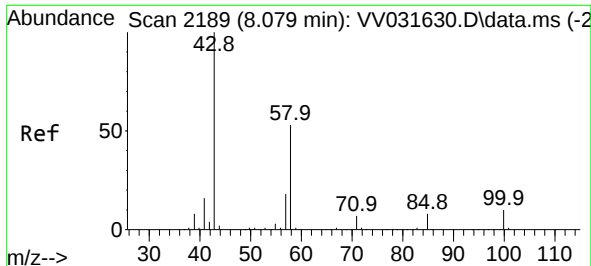


#46
Tetrachloroethene
Concen: 42.848 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 164 Resp: 70561

Ion	Ratio	Lower	Upper
164	100		
129	100.2	68.4	127.0
131	94.0	67.6	125.6
166	128.1	91.3	169.5



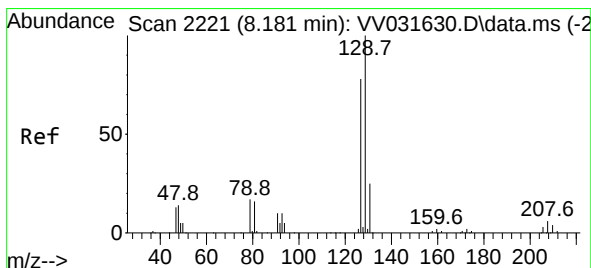
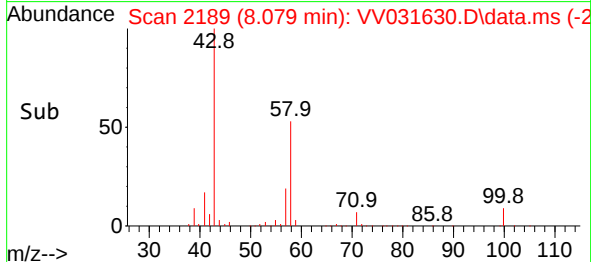
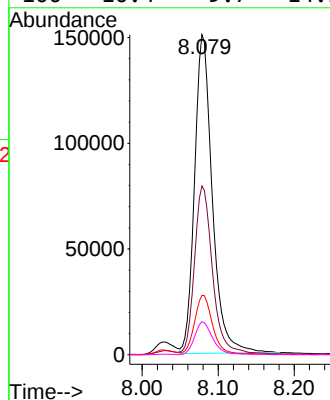
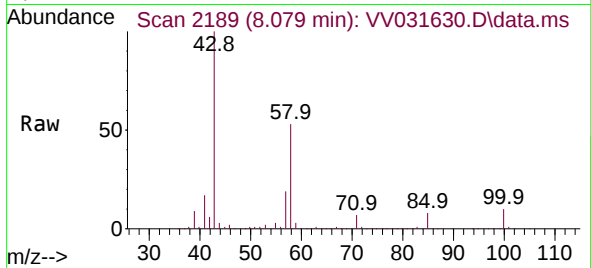


#48
2-Hexanone
Concen: 113.468 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

Tgt Ion: 43 Resp: 245348

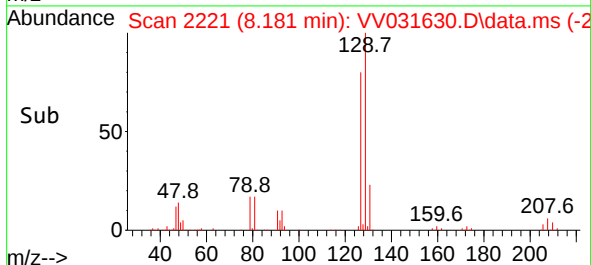
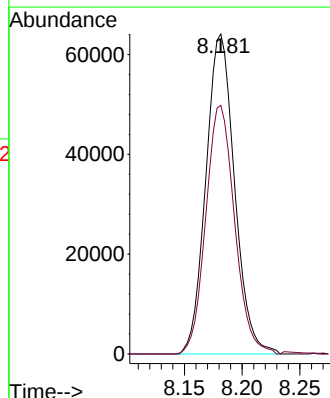
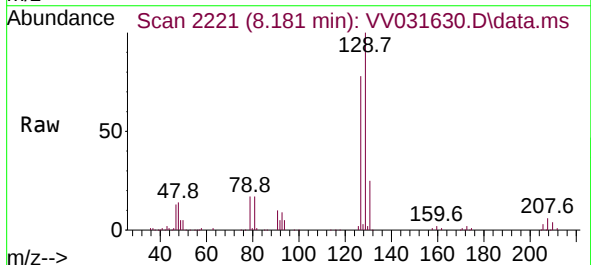
Ion	Ratio	Lower	Upper
43	100		
58	53.4	46.7	70.1
57	18.1	15.5	23.3
100	10.4	9.7	14.5

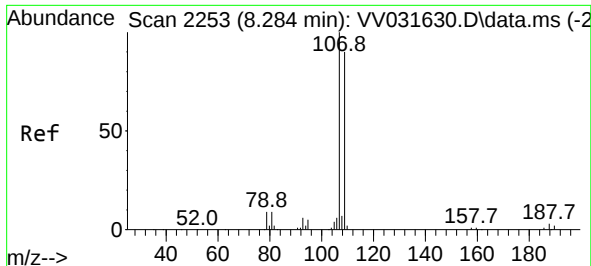


#49
Dibromochloromethane
Concen: 45.775 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 129 Resp: 110809

Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.8	103.6





#50

1,2-Dibromoethane

Concen: 45.653 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050382

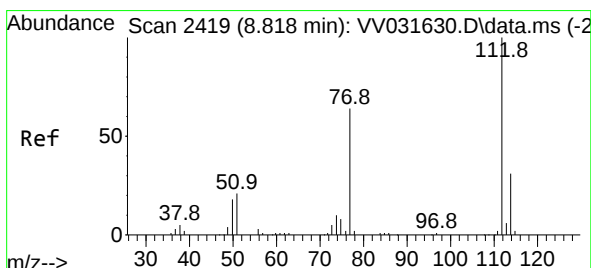
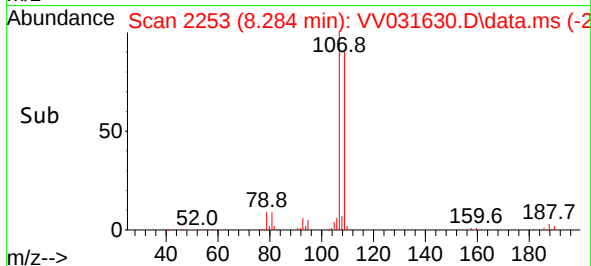
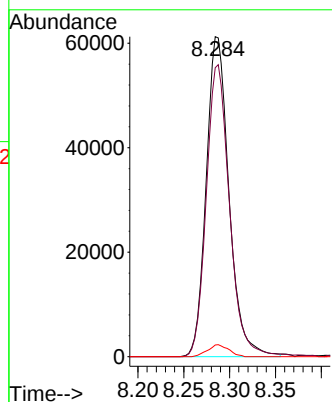
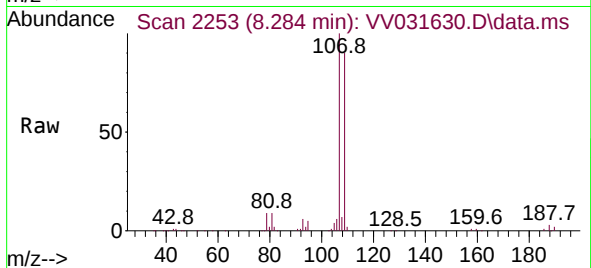
Tgt Ion:107 Resp: 105879

Ion Ratio Lower Upper

107 100

109 90.3 65.7 122.1

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 45.043 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

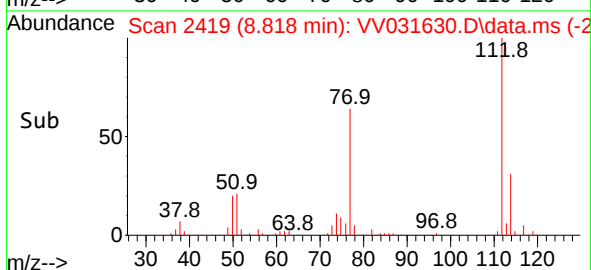
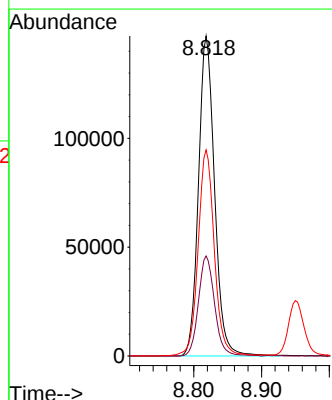
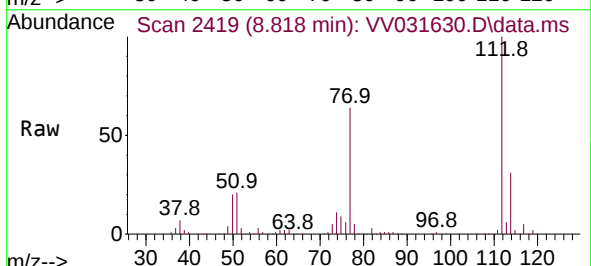
Tgt Ion:112 Resp: 242868

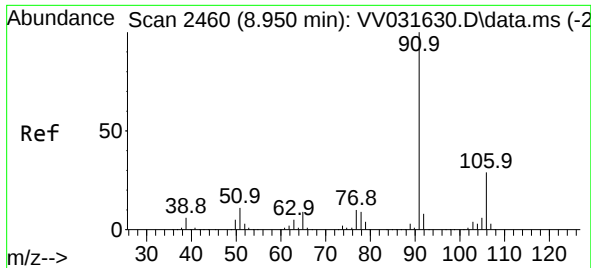
Ion Ratio Lower Upper

112 100

114 31.2 22.9 42.5

77 64.4 52.5 78.7

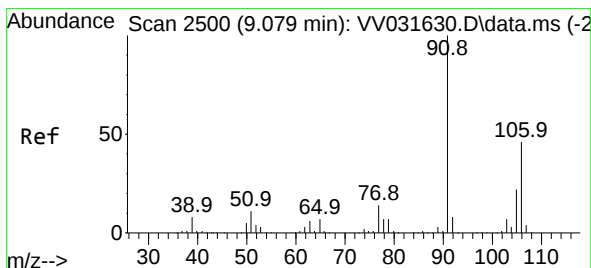
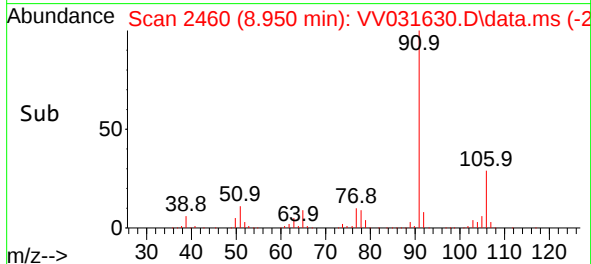
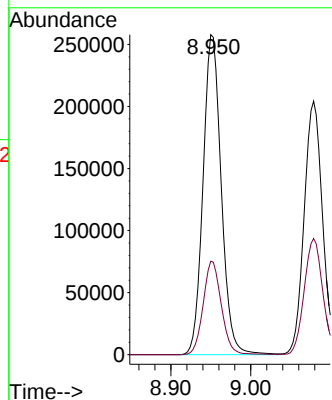
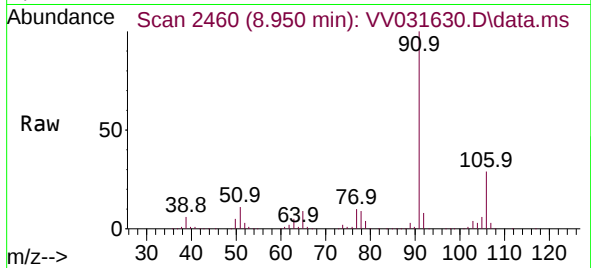




#52
Ethylbenzene
Concen: 45.053 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

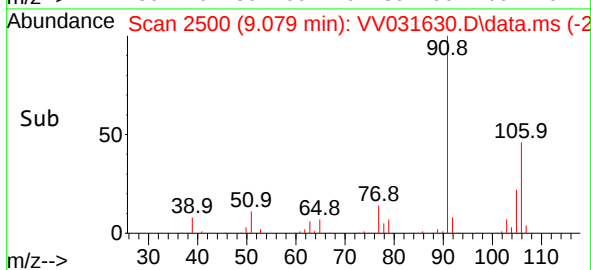
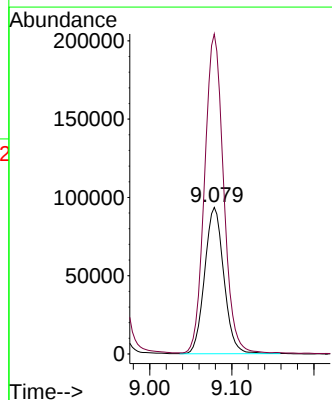
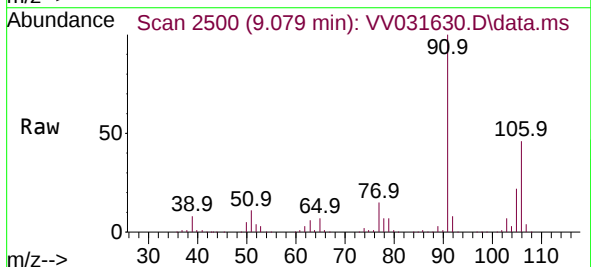
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

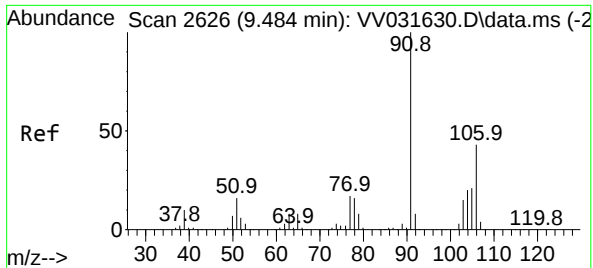
Tgt Ion: 91 Resp: 409271
Ion Ratio Lower Upper
91 100
106 29.2 20.8 38.6



#53
m,p-Xylene
Concen: 45.667 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 106 Resp: 151922
Ion Ratio Lower Upper
106 100
91 218.3 149.0 276.6

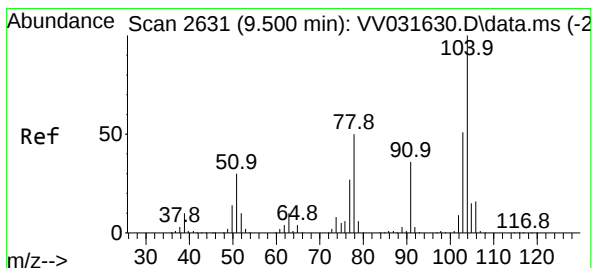
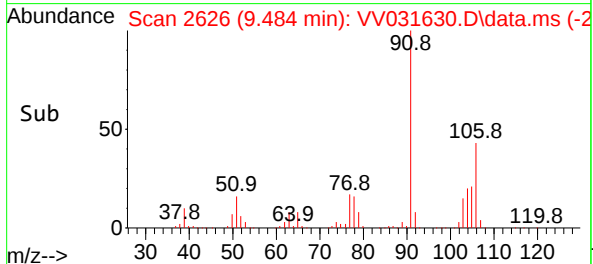
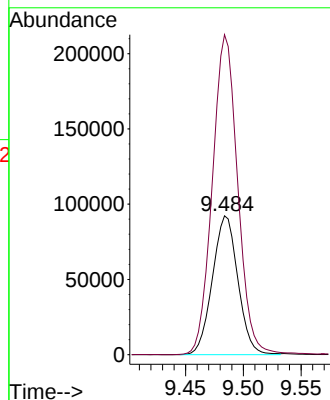
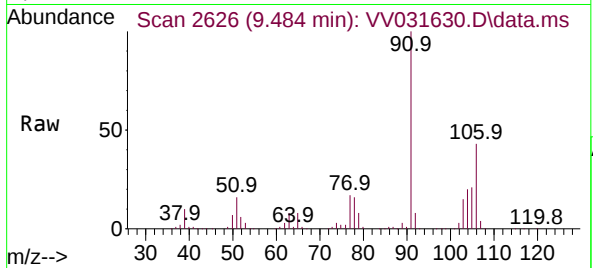




#54
o-Xylene
Concen: 44.858 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

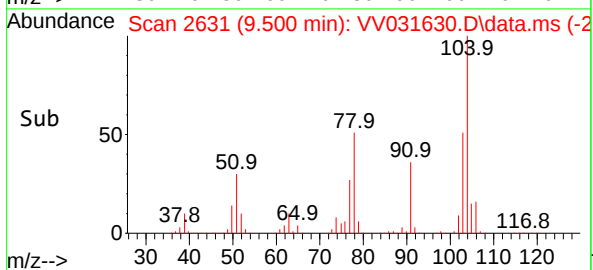
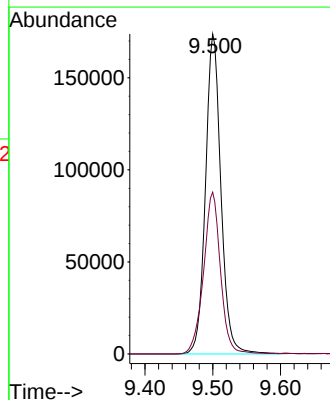
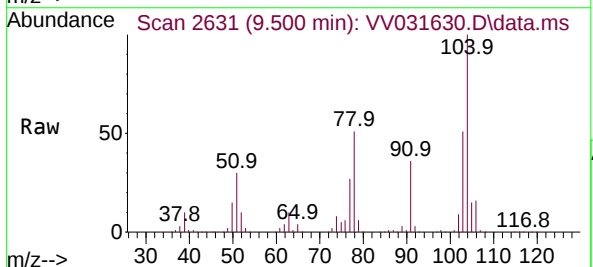
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

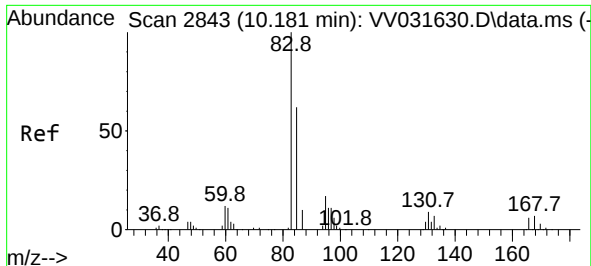
Tgt Ion:106 Resp: 141615
Ion Ratio Lower Upper
106 100
91 230.4 161.3 299.7



#55
Styrene
Concen: 48.876 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:104 Resp: 275569
Ion Ratio Lower Upper
104 100
78 50.6 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 47.469 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050382

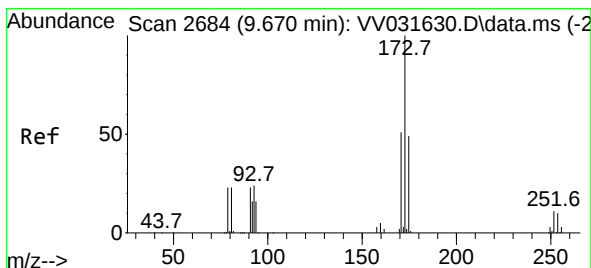
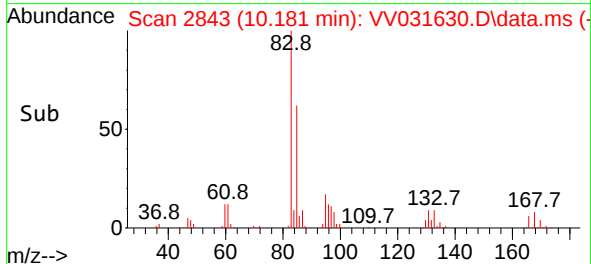
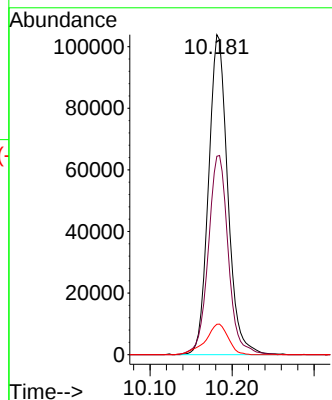
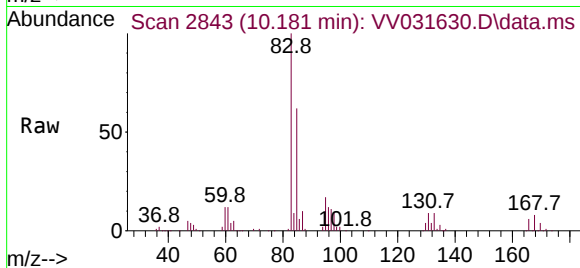
Tgt Ion: 83 Resp: 168935

Ion Ratio Lower Upper

83 100

85 68.2 43.1 80.1

131 13.3 10.6 16.0



#59

Bromoform

Concen: 45.087 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031630.D

Acq: 03 Jul 2023 11:07

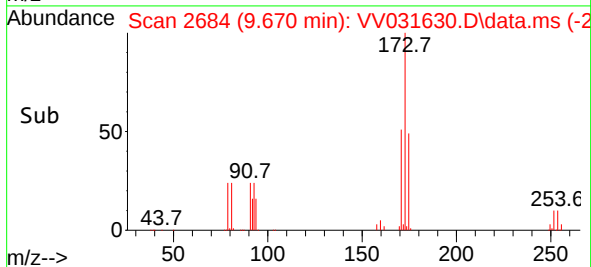
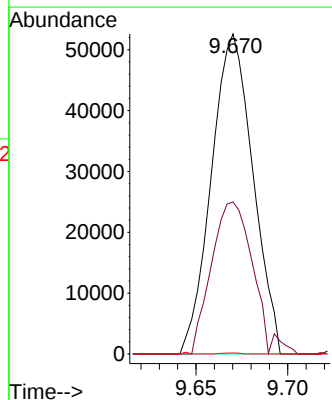
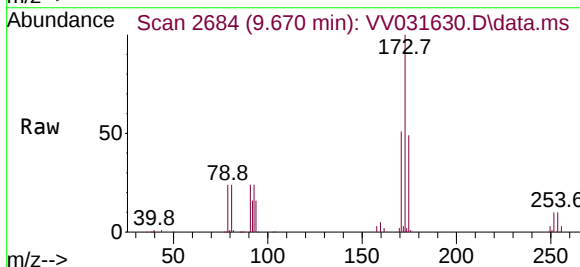
Tgt Ion: 173 Resp: 82705

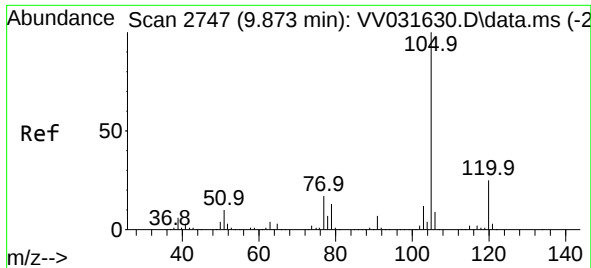
Ion Ratio Lower Upper

173 100

175 45.8 37.7 56.5

254 0.1 0.1 0.1

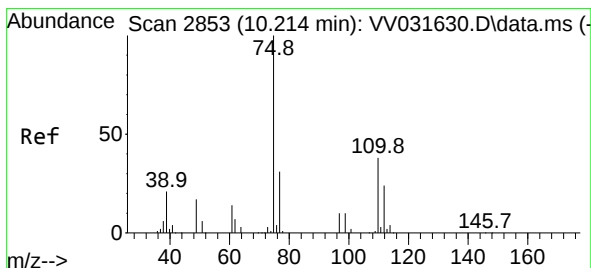
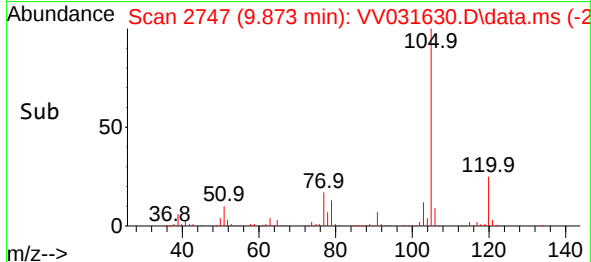
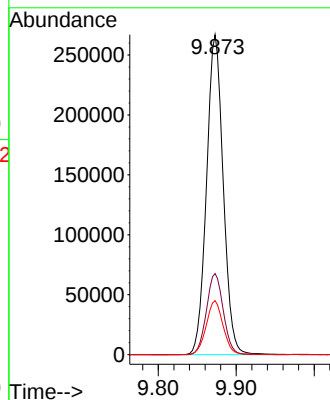
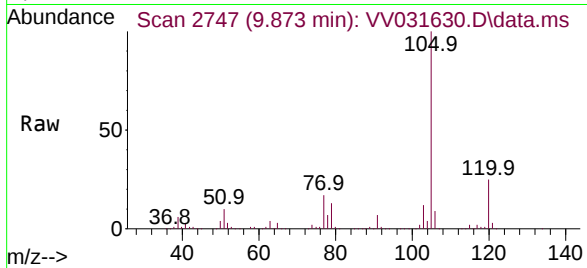




#60
Isopropylbenzene
Concen: 42.176 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

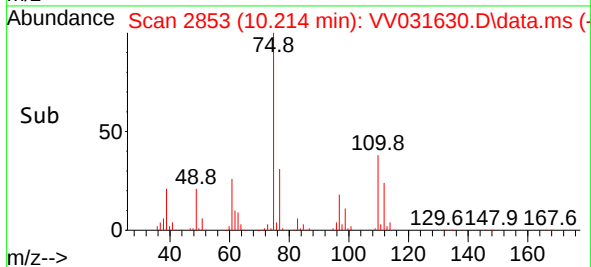
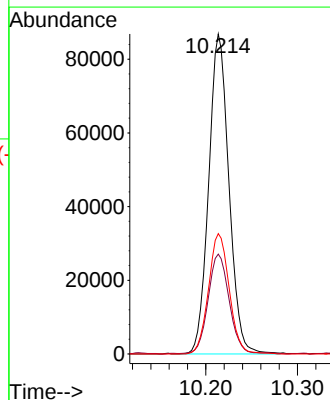
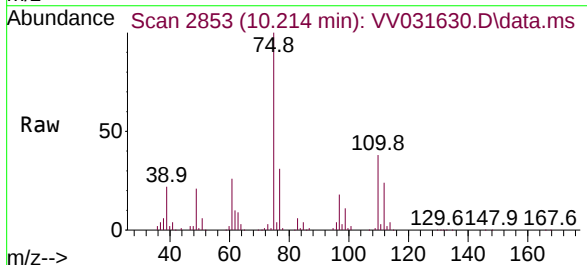
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

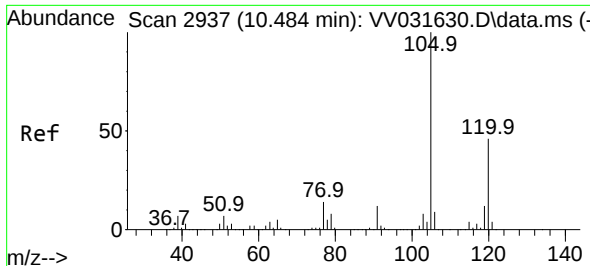
Tgt Ion:105 Resp: 397900
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.2
77 17.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 45.590 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 75 Resp: 133253
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
110 38.5 31.3 46.9

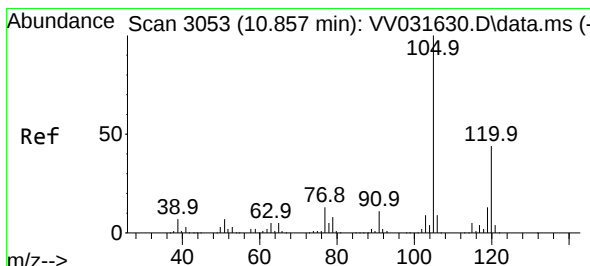
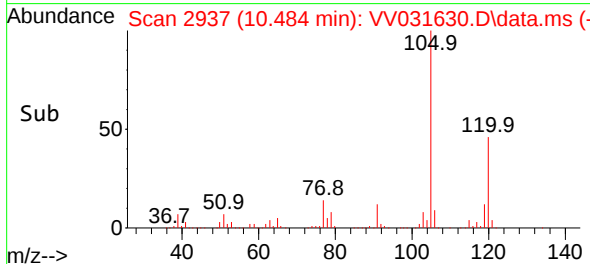
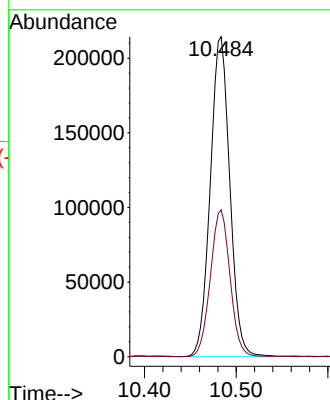
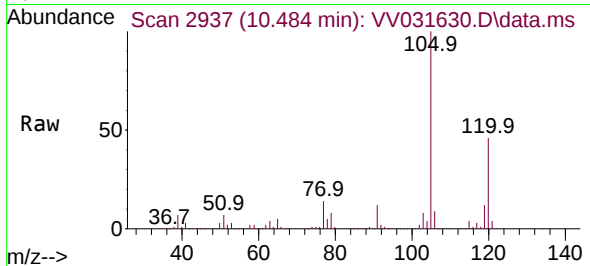




#62
 1,3,5-Trimethylbenzene
 Concen: 40.704 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031630.D
 Acq: 03 Jul 2023 11:07

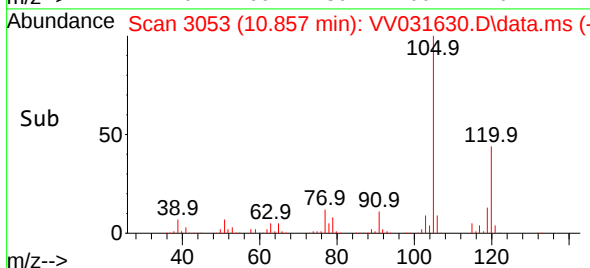
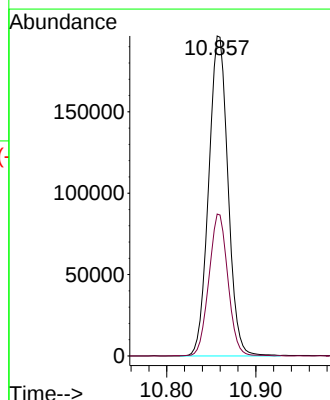
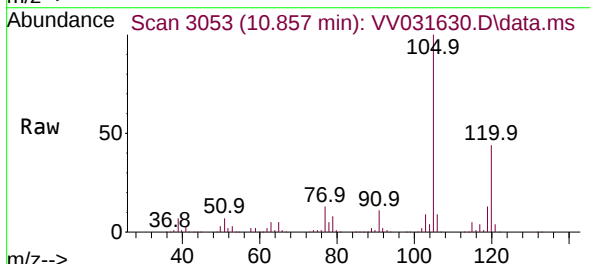
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

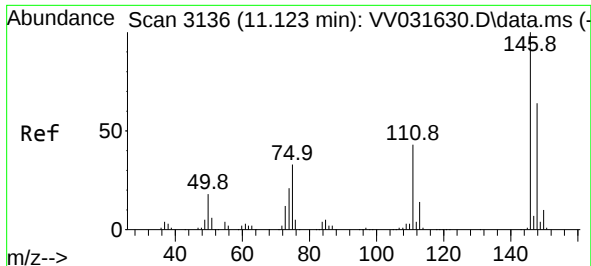
Tgt Ion:105 Resp: 317383
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.2 54.2



#63
 1,2,4-Trimethylbenzene
 Concen: 40.676 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.000 min
 Lab File: VV031630.D
 Acq: 03 Jul 2023 11:07

Tgt Ion:105 Resp: 295519
 Ion Ratio Lower Upper
 105 100
 120 43.6 33.4 50.2

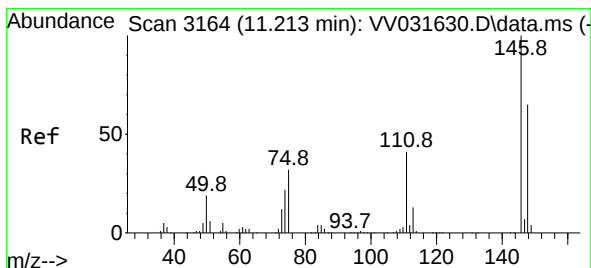
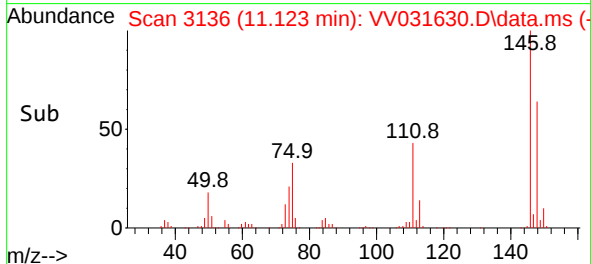
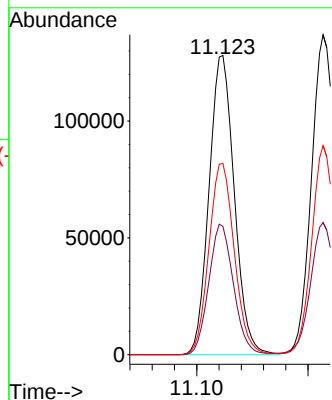
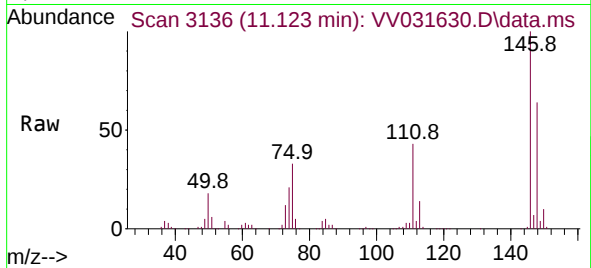




#64
1,3-Dichlorobenzene
Concen: 42.627 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

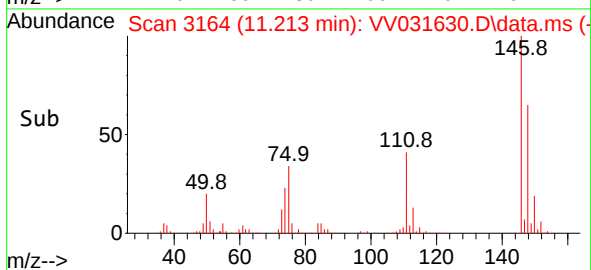
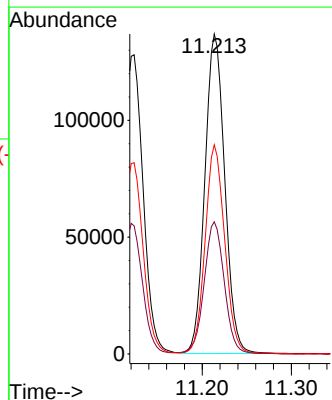
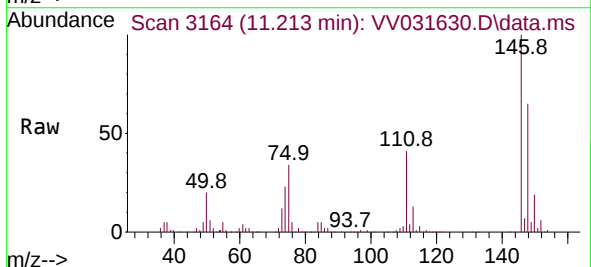
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

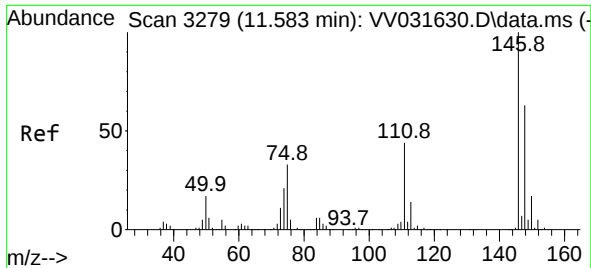
Tgt Ion:146 Resp: 201620
Ion Ratio Lower Upper
146 100
111 42.8 30.4 56.5
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 41.968 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:146 Resp: 211527
Ion Ratio Lower Upper
146 100
111 41.3 27.9 51.7
148 65.4 43.6 81.0

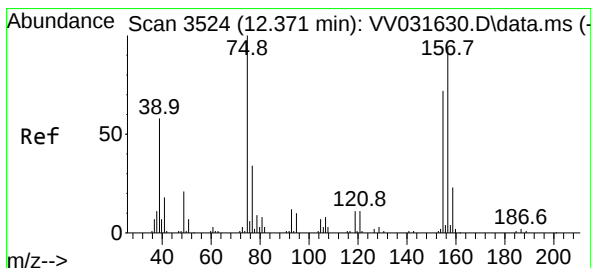
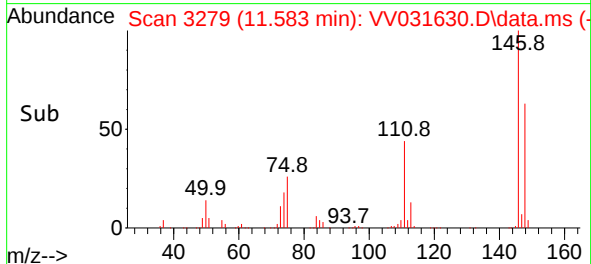
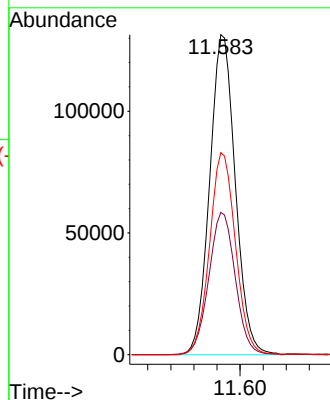
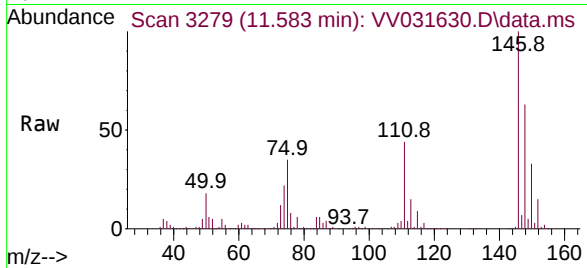




#67
1,2-Dichlorobenzene
Concen: 42.439 ug/L
RT: 11.583 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

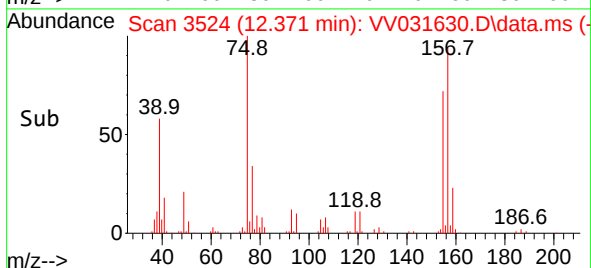
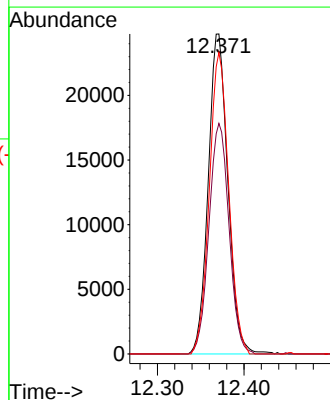
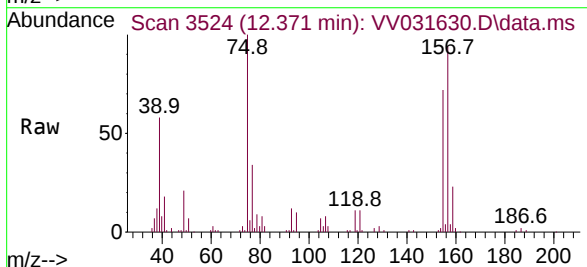
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

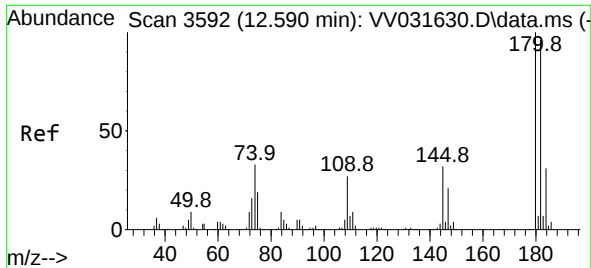
Tgt Ion:146 Resp: 202597
Ion Ratio Lower Upper
146 100
111 44.4 35.9 53.9
148 63.1 52.6 78.8



#68
1,2-Dibromo-3-chloropropane
Concen: 44.954 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion: 75 Resp: 38998
Ion Ratio Lower Upper
75 100
155 76.5 63.2 94.8
157 97.9 85.3 127.9

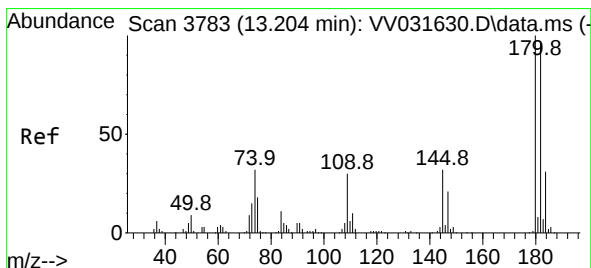
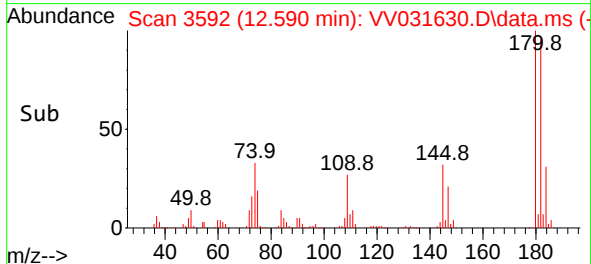
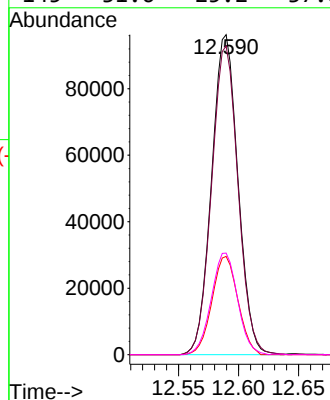
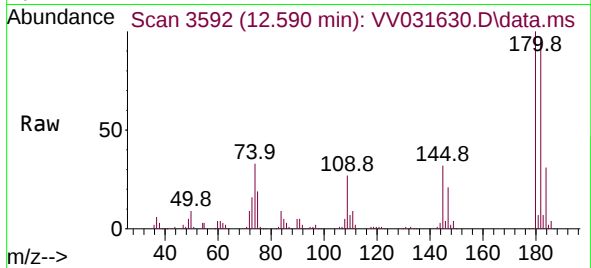




#69
1,3,5-Trichlorobenzene
Concen: 40.789 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.003 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

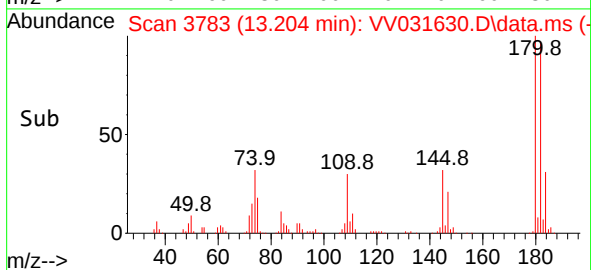
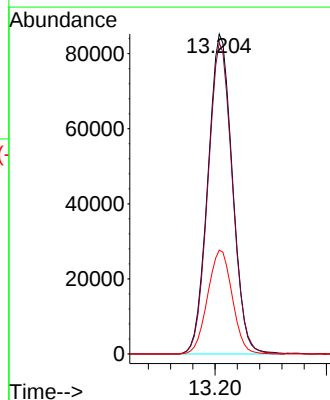
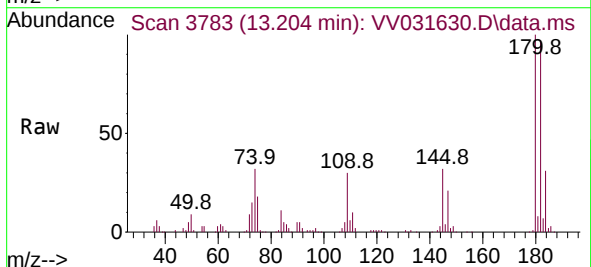
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

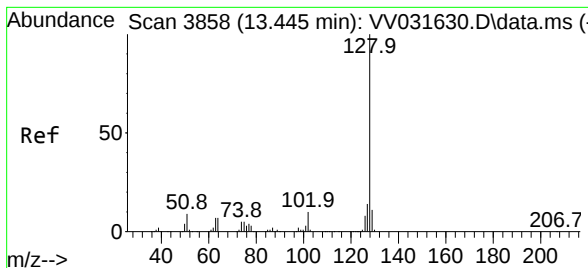
Tgt Ion:180 Resp: 147004
Ion Ratio Lower Upper
180 100
182 96.7 76.6 115.0
184 30.2 24.7 37.1
145 31.6 25.2 37.8



#70
1,2,4-trichlorobenzene
Concen: 41.171 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:180 Resp: 130063
Ion Ratio Lower Upper
180 100
182 96.8 77.7 116.5
145 32.6 26.1 39.1

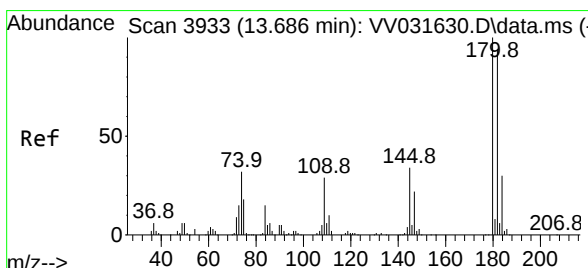
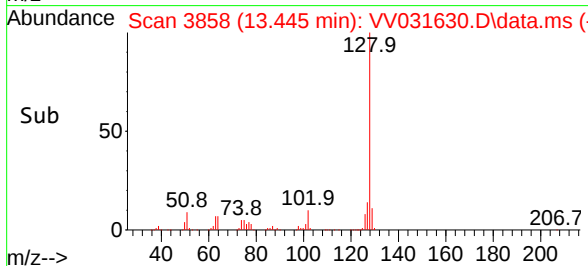
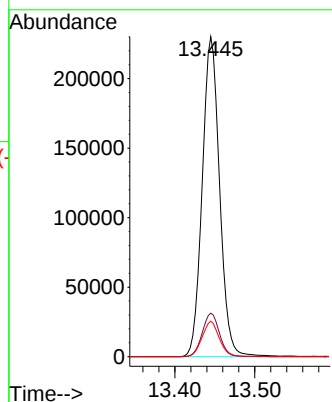
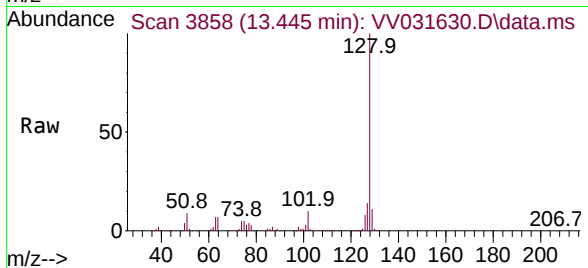




#71
Naphthalene
Concen: 43.512 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

Tgt Ion:128 Resp: 348172
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 43.288 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031630.D
Acq: 03 Jul 2023 11:07

Tgt Ion:180 Resp: 142107
Ion Ratio Lower Upper
180 100
182 93.9 74.0 111.0
145 33.6 26.2 39.2

