

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062923\
 Data File : VW031623.D
 Acq On : 29 Jun 2023 16:10
 Operator : SY/MD
 Sample : 03422-13MSME
 Misc : 5.29g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A46K7MS

Quant Time: Jun 30 04:28:38 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	5.539	114	236189	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	237542	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	146139	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	78444	49.904	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.800%
7) Chloroethane-d5	1.532	69	72827	53.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.200%
11) 1,1-Dichloroethene-d2	2.063	65	38610	47.659	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.320%
21) 2-Butanone-d5	3.793	46	134052	105.319	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.320%
24) Chloroform-d	4.256	84	179552	45.609	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.220%
26) 1,2-Dichloroethane-d4	4.947	65	112033	45.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.960%
32) Benzene-d6	4.966	84	293406	43.882	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.760%
36) 1,2-Dichloropropane-d6	5.995	67	107085	45.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.380%
41) Toluene-d8	7.249	98	266274	43.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	7.558	79	49301	42.675	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.340%
47) 2-Hexanone-d5	8.030	63	95626	102.199	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.200%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	171064	47.823	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.640%
66) 1,2-Dichlorobenzene-d4	11.567	152	113715	40.822	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	119357	47.642	ug/L	99
3) Chloromethane	1.217	50	128268	54.259	ug/L	100
5) Vinyl chloride	1.285	62	124797	53.254	ug/L	99
6) Bromomethane	1.487	94	77177	50.529	ug/L	85
8) Chloroethane	1.548	64	78760	52.036	ug/L	96
9) Trichlorofluoromethane	1.716	101	189174	48.523	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	105346	50.421	ug/L	95
12) 1,1-Dichloroethene	2.072	96	89989	51.492	ug/L	95
13) Acetone	2.114	43	119905	95.468	ug/L	95
14) Carbon disulfide	2.243	76	248069	46.926	ug/L	99
15) Methyl Acetate	2.375	43	121699	57.552	ug/L	97
16) Methylene chloride	2.452	84	104830	47.845	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	87444	47.935	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	301581	49.546	ug/L	98
19) 1,1-Dichloroethane	3.117	63	202612	51.461	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	94341	47.854	ug/L	99
22) 2-Butanone	3.873	43	157734	100.531	ug/L	95
23) Bromochloromethane	4.153	128	52418	49.189	ug/L	91
25) Chloroform	4.281	83	202489	49.474	ug/L	99

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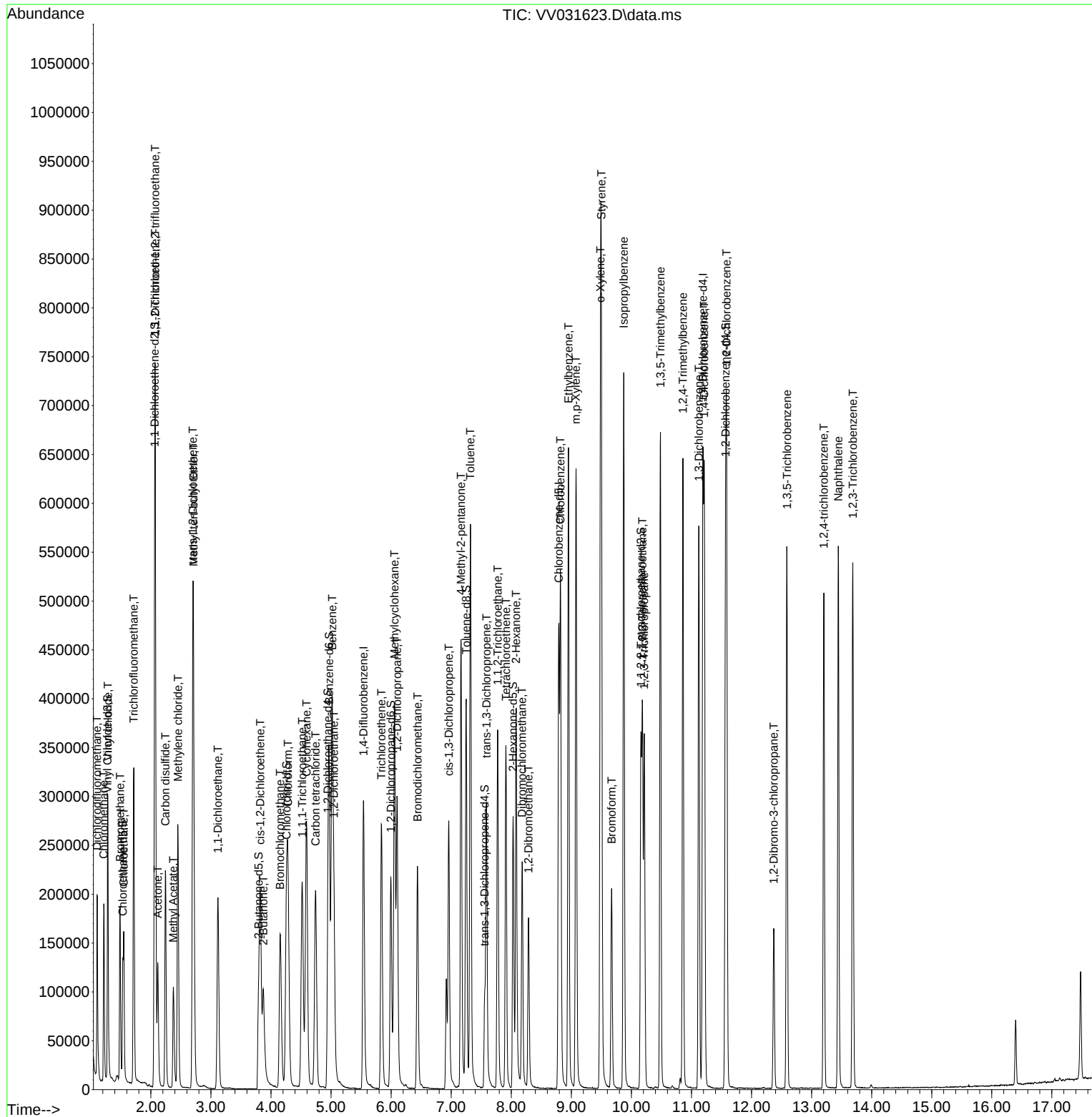
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	161929	51.262	ug/L	99
29) Cyclohexane	4.593	56	147111	47.601	ug/L	95
30) 1,1,1-Trichloroethane	4.519	97	179814	47.214	ug/L	98
31) Carbon tetrachloride	4.741	117	155169	45.983	ug/L	99
33) Benzene	5.018	78	389298	49.224	ug/L	100
34) Trichloroethene	5.838	95	100348	47.483	ug/L	89
35) Methylcyclohexane	6.056	83	141739	45.519	ug/L	95
37) 1,2-Dichloropropane	6.098	63	118795	51.153	ug/L	100
38) Bromodichloromethane	6.439	83	154042	49.073	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	170046	49.327	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	319009	116.986	ug/L	96
42) Toluene	7.320	91	414978	50.607	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	172767	51.462	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	111835	50.977	ug/L	98
46) Tetrachloroethene	7.912	164	76626	46.198	ug/L	97
48) 2-Hexanone	8.082	43	249484	114.554	ug/L	93
49) Dibromochloromethane	8.182	129	116730	47.875	ug/L	98
50) 1,2-Dibromoethane	8.288	107	115036	49.246	ug/L	99
51) Chlorobenzene	8.818	112	259924	47.861	ug/L	99
52) Ethylbenzene	8.953	91	443026	48.419	ug/L	99
53) m,p-Xylene	9.079	106	164729	49.162	ug/L	100
54) o-Xylene	9.484	106	153989	48.427	ug/L	99
55) Styrene	9.500	104	295778	52.084	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	185641	51.789	ug/L	97
59) Bromoform	9.670	173	89141	49.209	ug/L #	99
60) Isopropylbenzene	9.873	105	431523	46.317	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	146182	50.644	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	345273	44.839	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	323556	45.097	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	213537	45.716	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	224186	45.041	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	218841	46.420	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	43564	50.851	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	157035	44.122	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	139801	44.812	ug/L	98
71) Naphthalene	13.445	128	394030	49.864	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	149743	46.190	ug/L	94

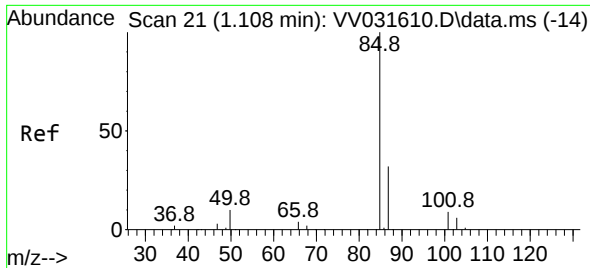
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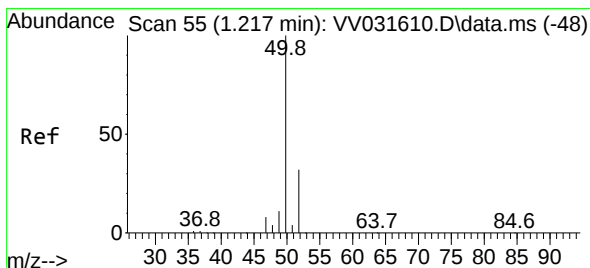
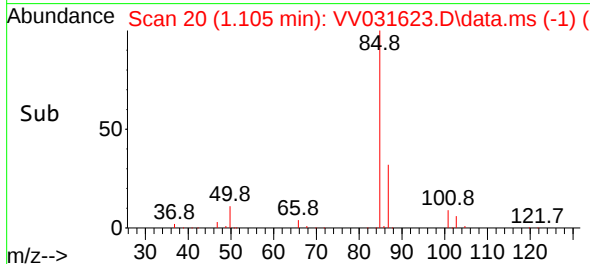
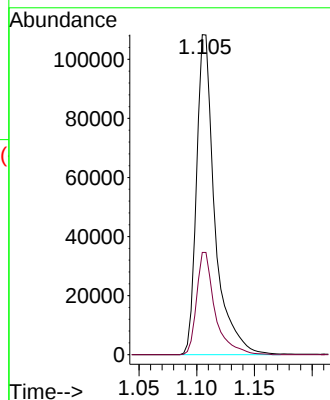
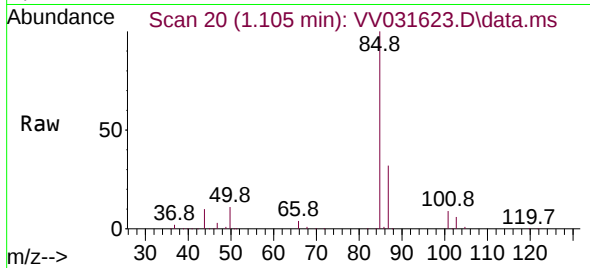




#2
 Dichlorodifluoromethane
 Concen: 47.642 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

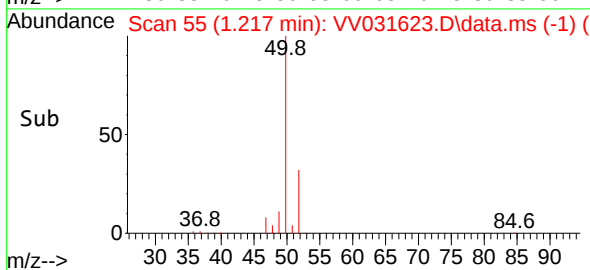
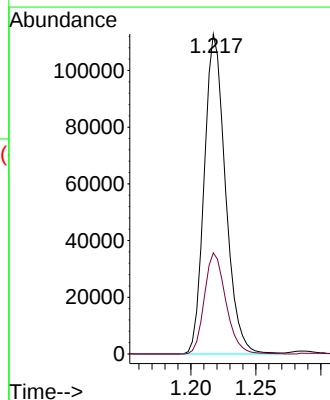
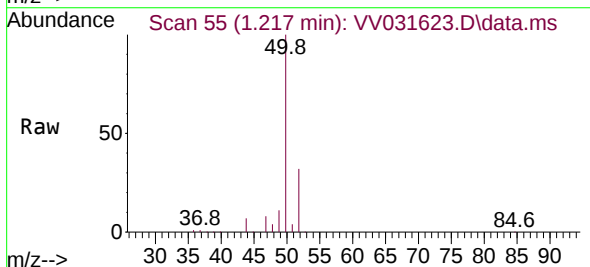
Instrument :
 MSVOA_V
 ClientSampleId :
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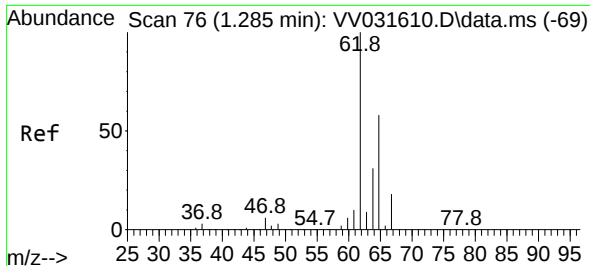
Tgt Ion: 85 Resp: 119357
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.5 38.3



#3
 Chloromethane
 Concen: 54.259 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

Tgt Ion: 50 Resp: 128268
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.3 41.5

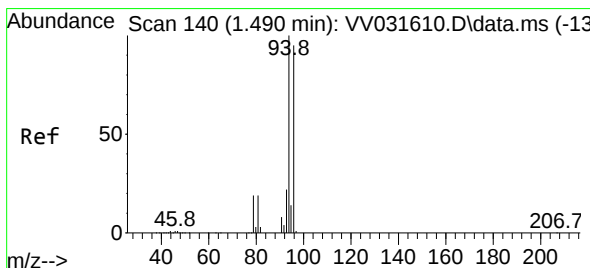
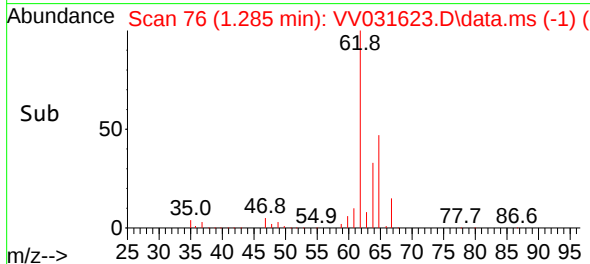
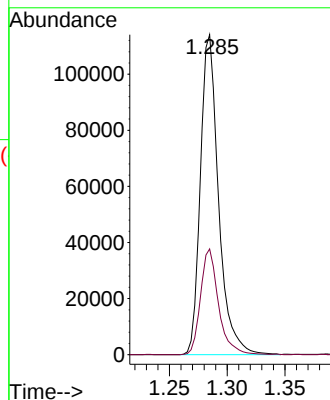
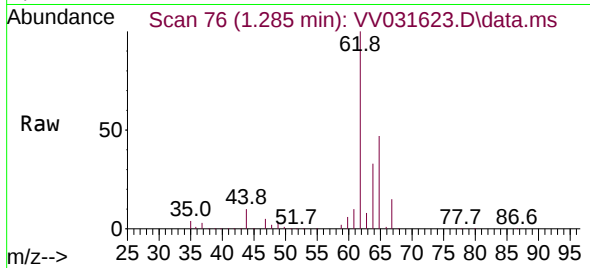




#5
 Vinyl chloride
 Concen: 53.254 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

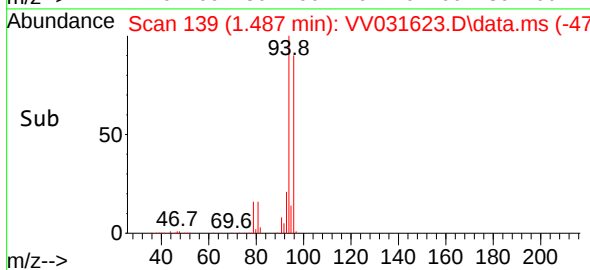
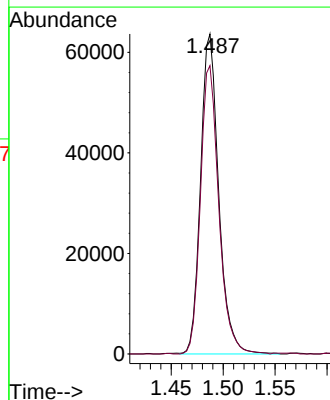
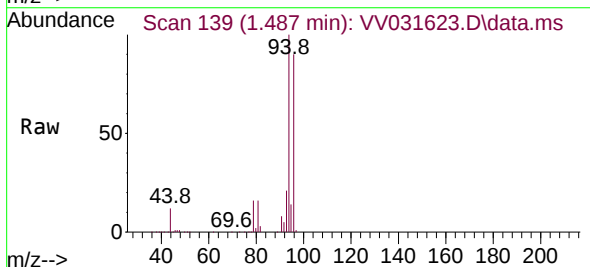
Instrument :
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 ClientSampleId :
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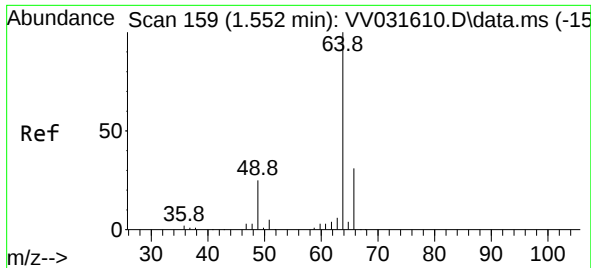
Tgt Ion: 62 Resp: 124797
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.4 43.4



#6
 Bromomethane
 Concen: 50.529 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

Tgt Ion: 94 Resp: 77177
 Ion Ratio Lower Upper
 94 100
 96 79.0 65.4 121.4

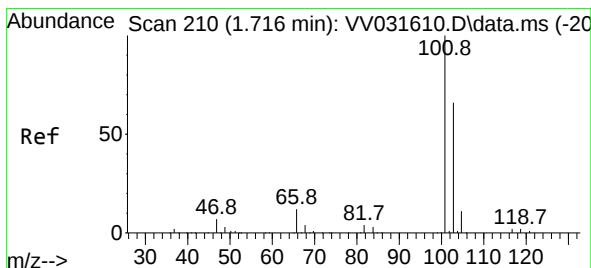
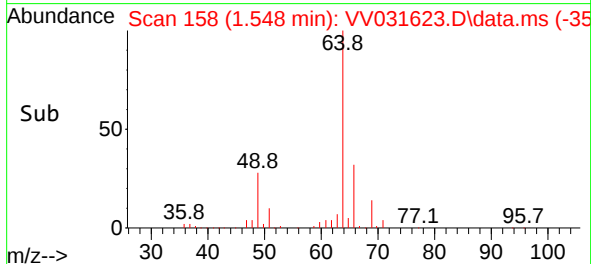
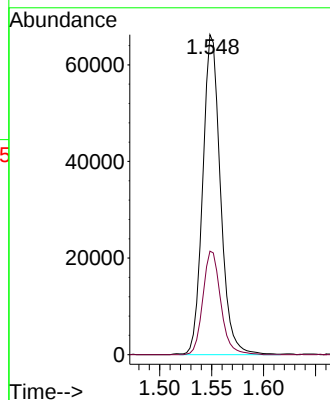
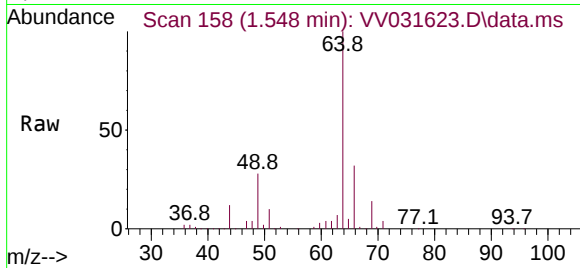




#8
Chloroethane
Concen: 52.036 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

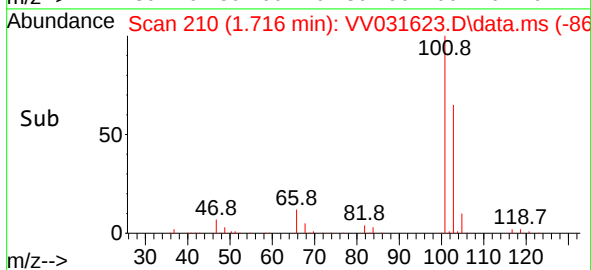
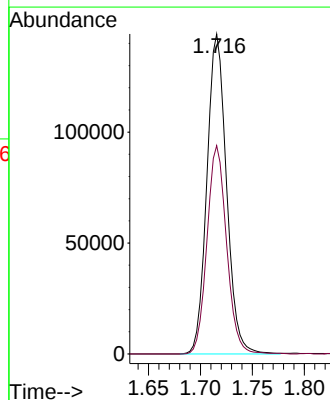
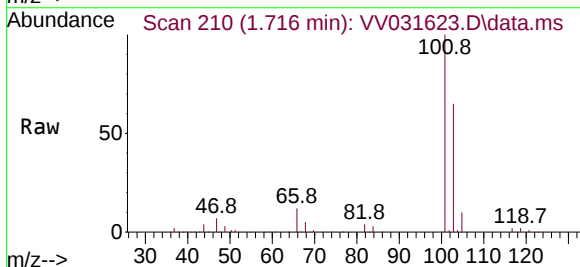
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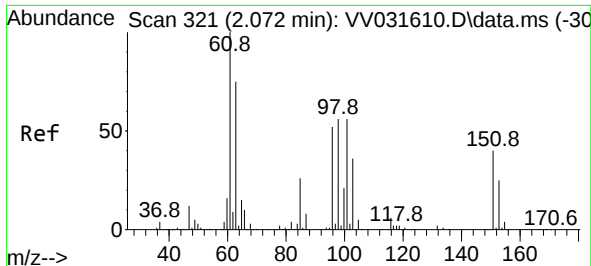
Tgt Ion: 64 Resp: 78760
Ion Ratio Lower Upper
64 100
66 32.3 21.0 39.0



#9
Trichlorofluoromethane
Concen: 48.523 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion:101 Resp: 189174
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3

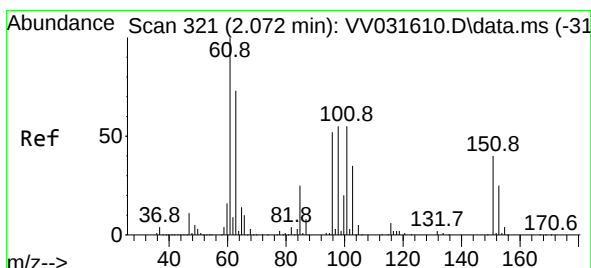
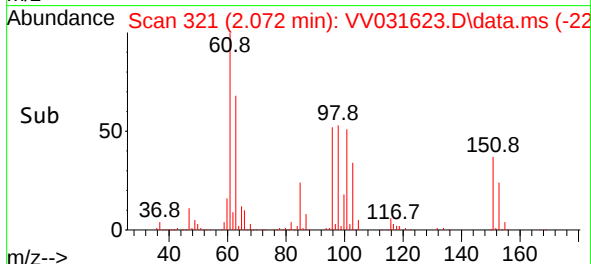
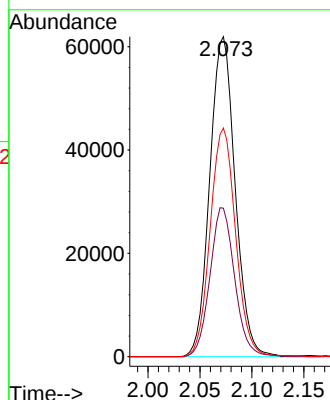
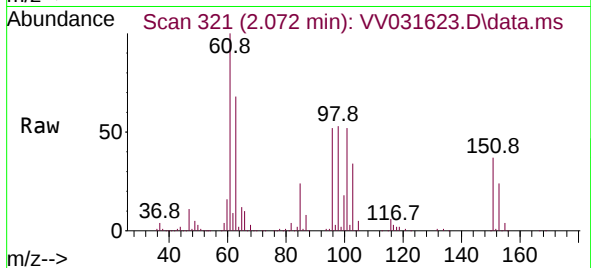




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.421 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

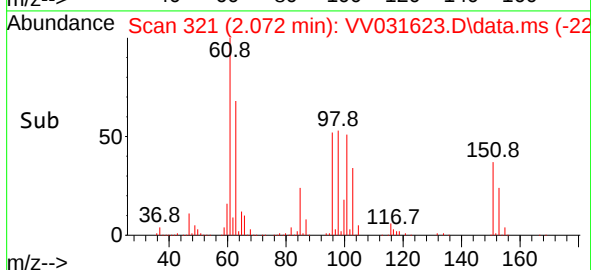
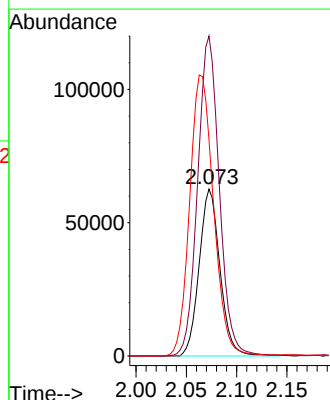
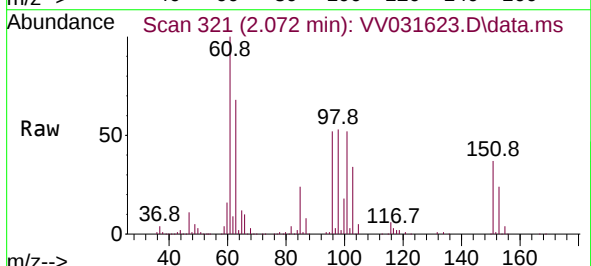
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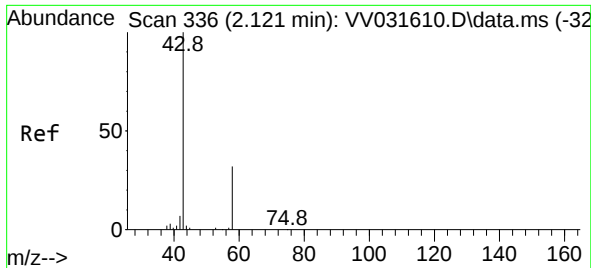
Tgt Ion:101 Resp: 105346
 Ion Ratio Lower Upper
 101 100
 85 45.3 37.4 56.0
 151 71.6 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 51.492 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

Tgt Ion: 96 Resp: 89989
 Ion Ratio Lower Upper
 96 100
 61 191.7 128.9 239.5
 63 129.5 95.3 177.1





#13

Acetone

Concen: 95.468 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

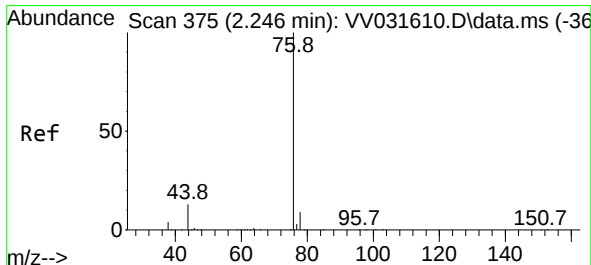
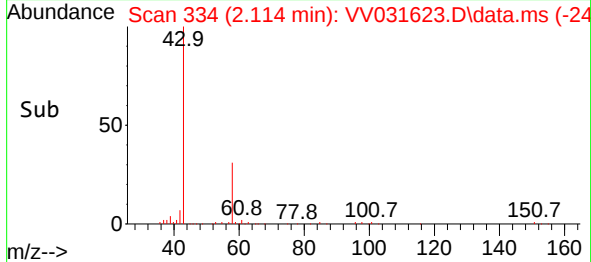
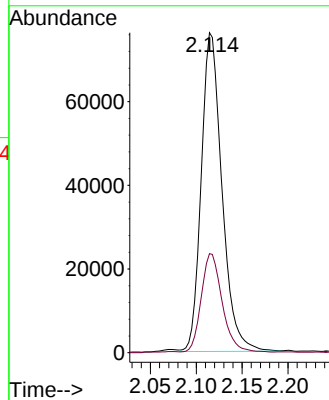
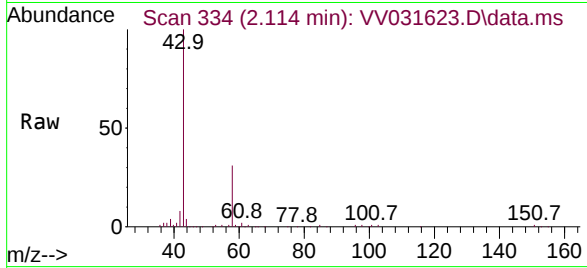
A46K7MS

Tgt Ion: 43 Resp: 119905

Ion Ratio Lower Upper

43 100

58 31.4 0.0 68.6



#14

Carbon disulfide

Concen: 46.926 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031623.D

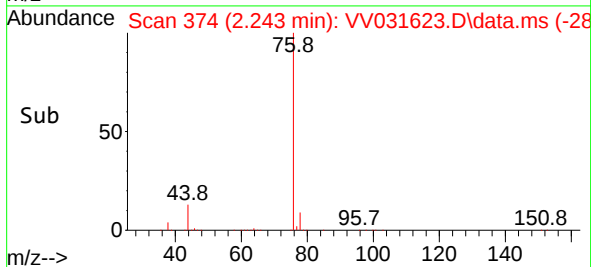
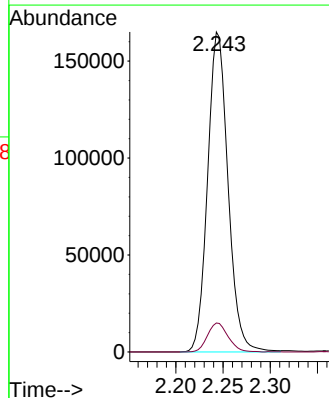
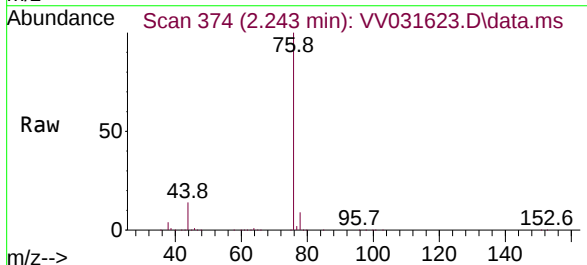
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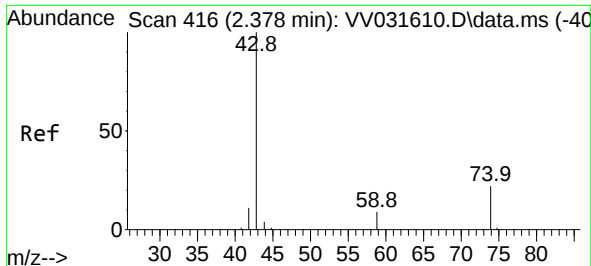
Tgt Ion: 76 Resp: 248069

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

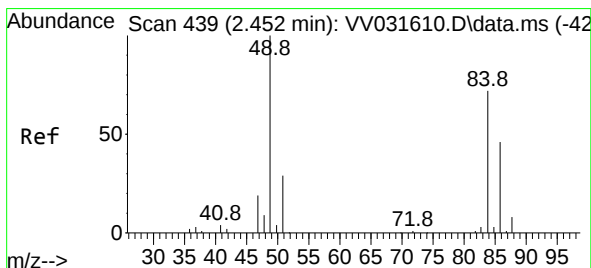
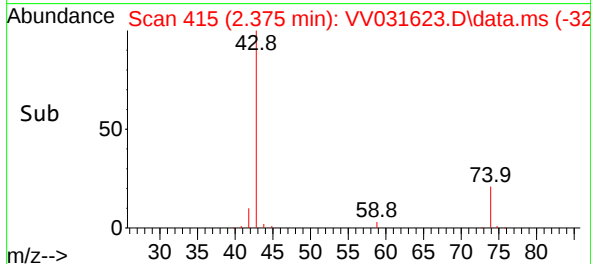
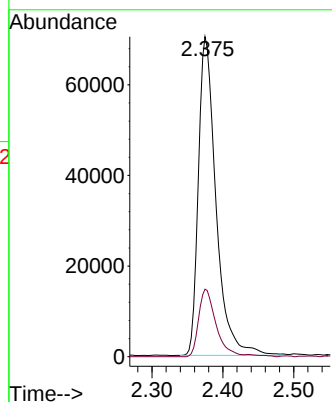
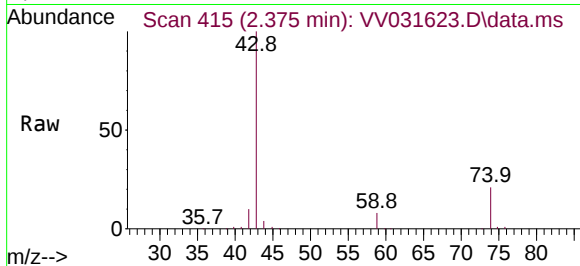




#15
Methyl Acetate
Concen: 57.552 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

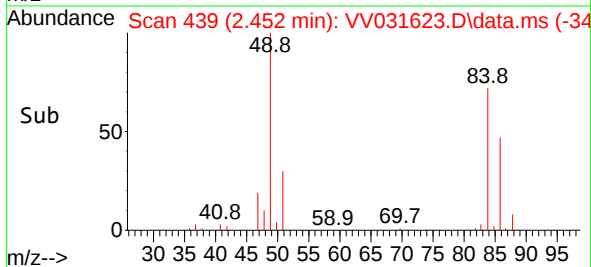
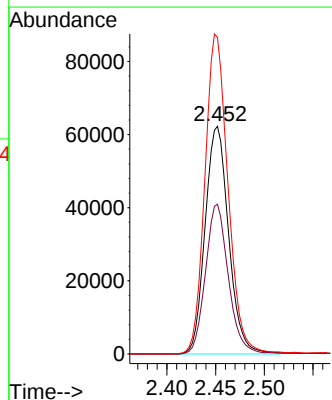
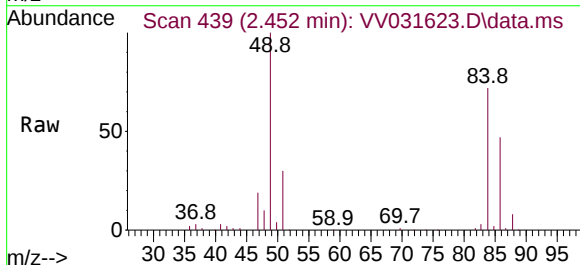
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

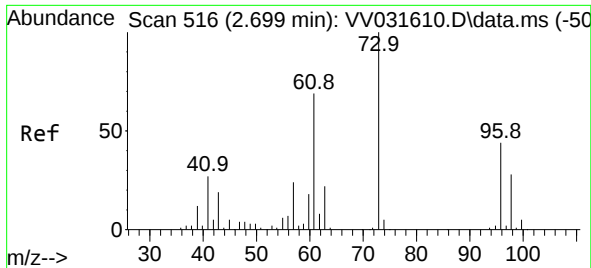
Tgt Ion: 43 Resp: 121699
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.6



#16
Methylene chloride
Concen: 47.845 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 84 Resp: 104830
Ion Ratio Lower Upper
84 100
86 66.9 45.8 85.0
49 139.1 92.1 171.1

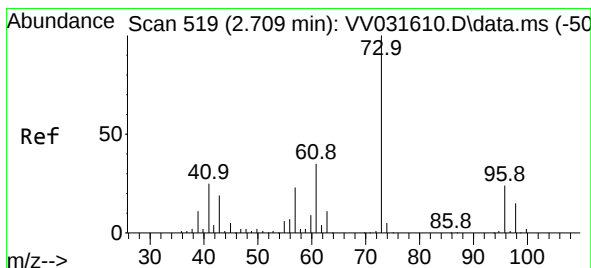
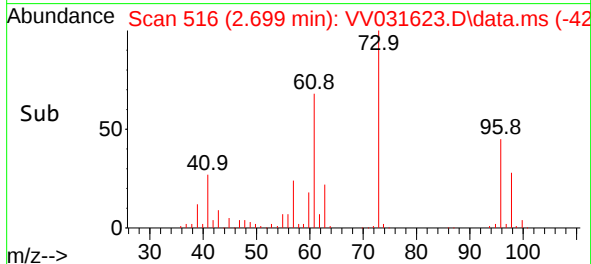
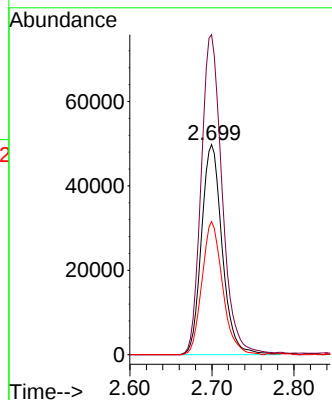
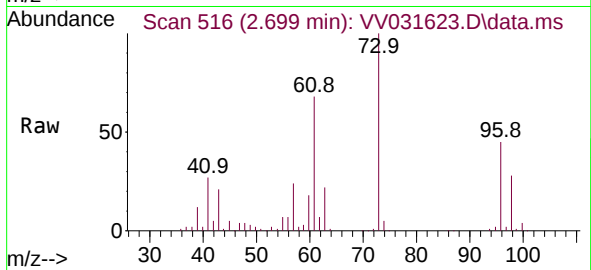




#17
trans-1,2-Dichloroethene
Concen: 47.935 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

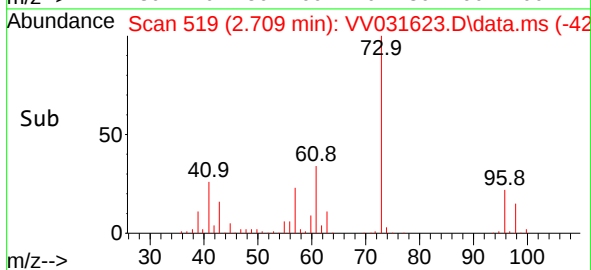
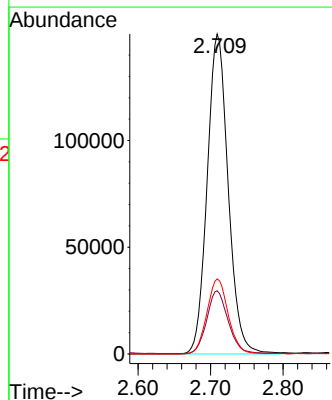
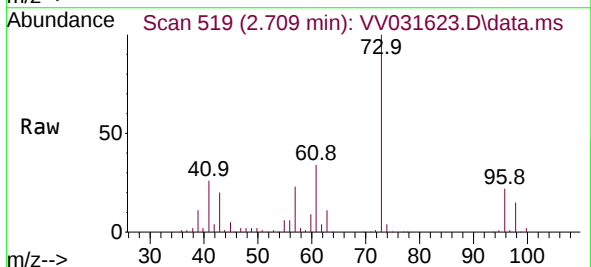
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

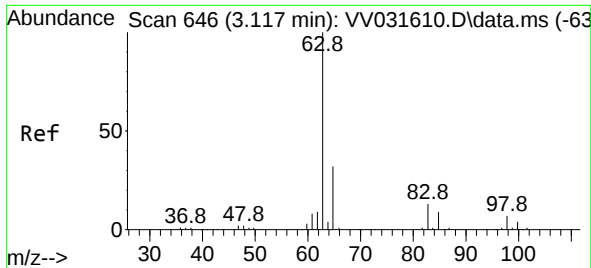
Tgt Ion: 96 Resp: 87444
Ion Ratio Lower Upper
96 100
61 152.3 102.5 190.3
98 65.6 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 49.546 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 73 Resp: 301581
Ion Ratio Lower Upper
73 100
43 19.8 15.0 22.4
57 23.8 18.2 27.4





#19

1,1-Dichloroethane

Concen: 51.461 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

A46K7MS

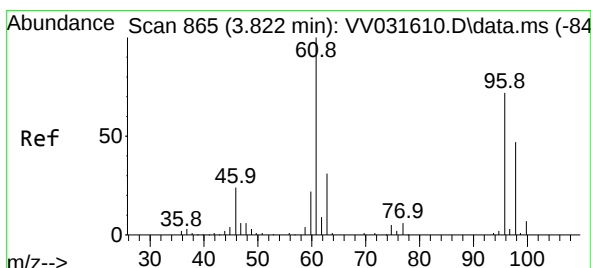
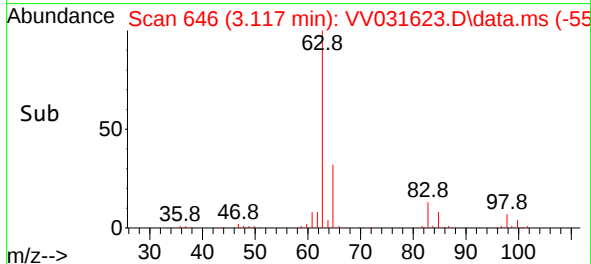
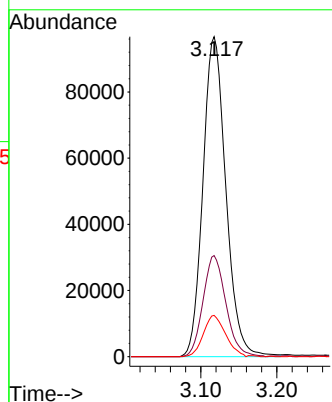
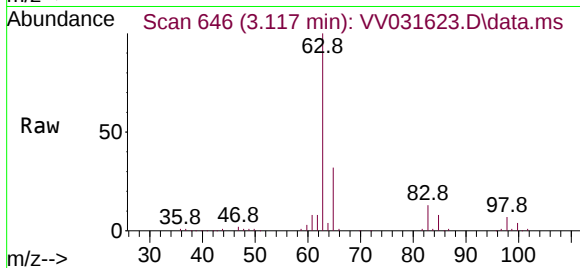
Tgt Ion: 63 Resp: 202612

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

83 13.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 47.854 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

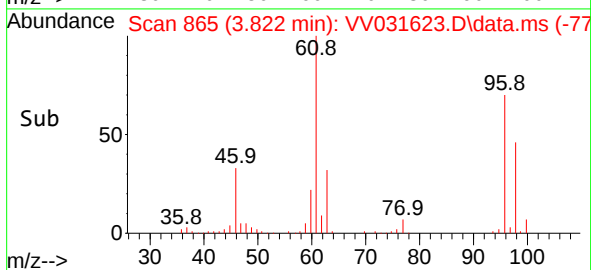
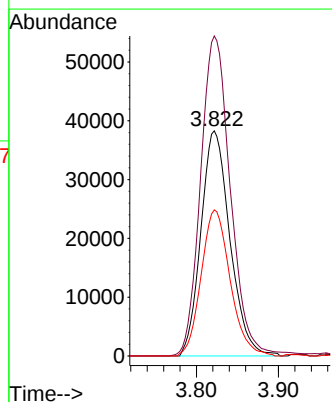
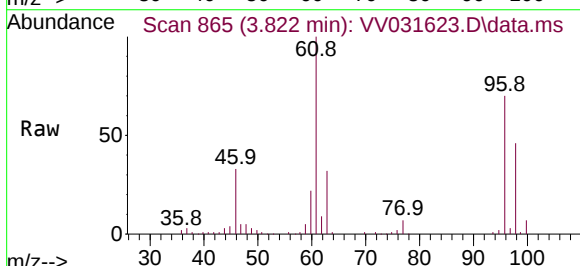
Tgt Ion: 96 Resp: 94341

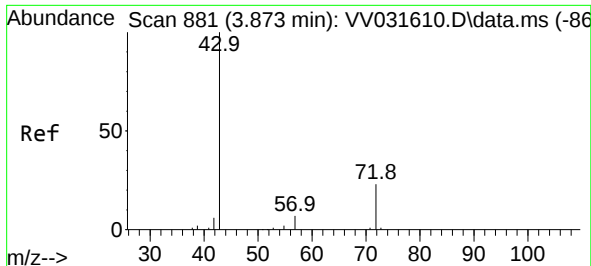
Ion Ratio Lower Upper

96 100

61 142.2 98.6 183.0

98 67.0 45.7 84.9

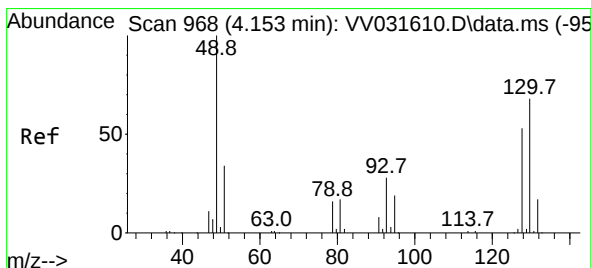
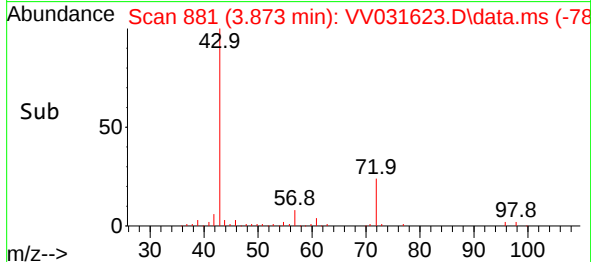
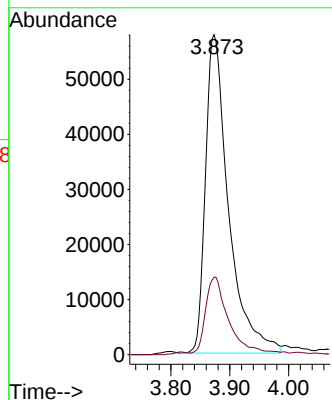
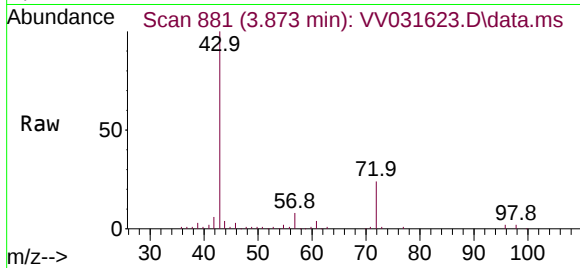




#22
2-Butanone
Concen: 100.531 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

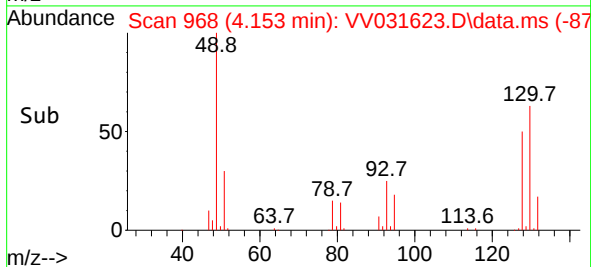
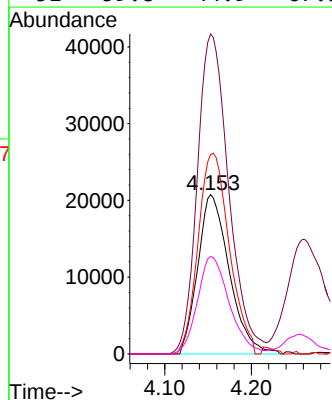
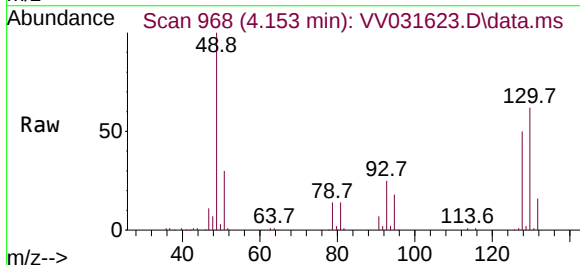
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

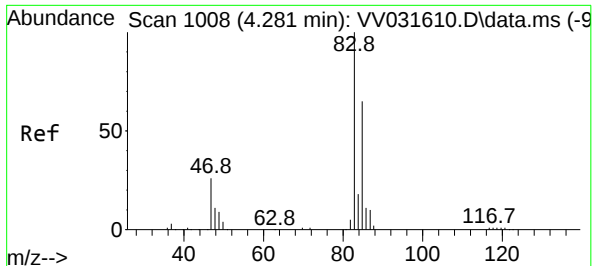
Tgt Ion: 43 Resp: 157734
Ion Ratio Lower Upper
43 100
72 22.0 12.2 36.4



#23
Bromochloromethane
Concen: 49.189 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion:128 Resp: 52418
Ion Ratio Lower Upper
128 100
49 192.8 120.6 224.0
130 121.5 88.1 163.7
51 59.8 44.9 67.3





#25

Chloroform

Concen: 49.474 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

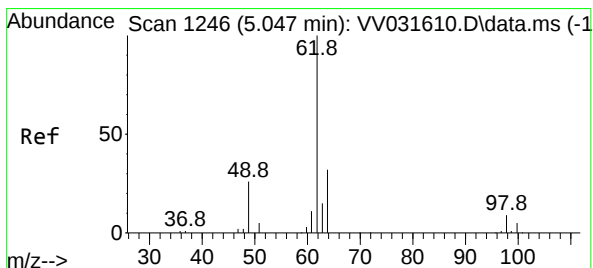
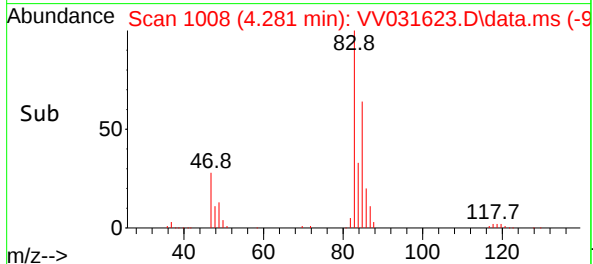
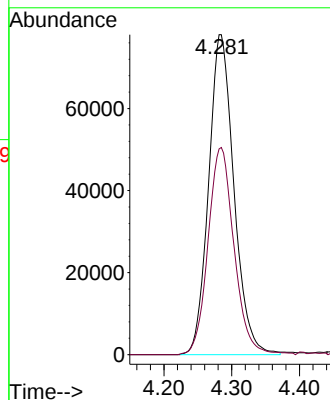
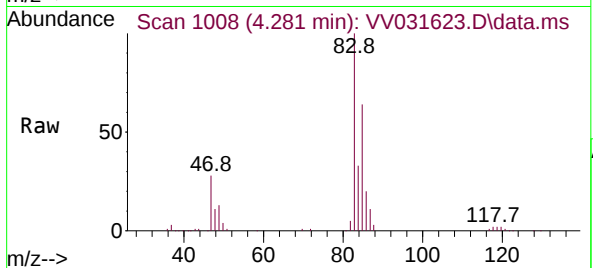
A46K7MS

Tgt Ion: 83 Resp: 202489

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 51.262 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031623.D

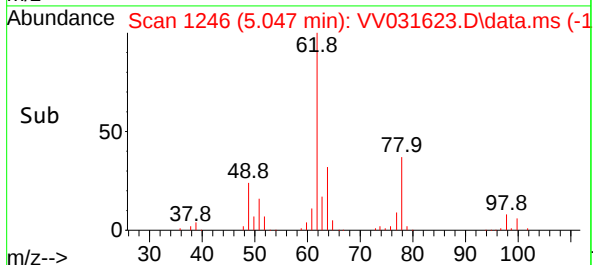
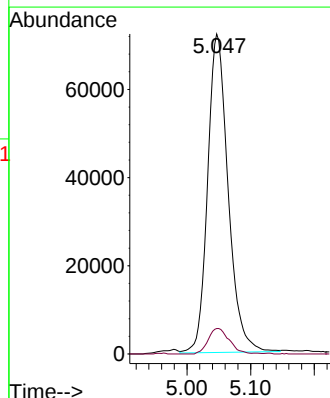
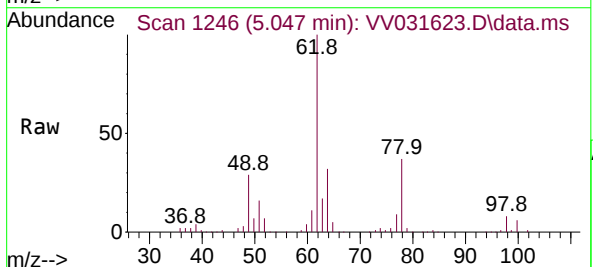
Acq: 29 Jun 2023 16:10

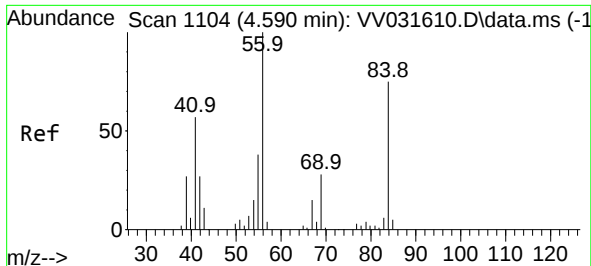
Tgt Ion: 62 Resp: 161929

Ion Ratio Lower Upper

62 100

98 8.6 6.6 9.8

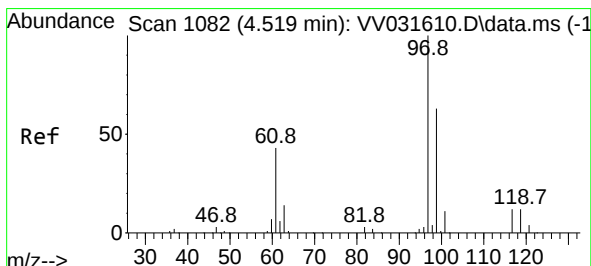
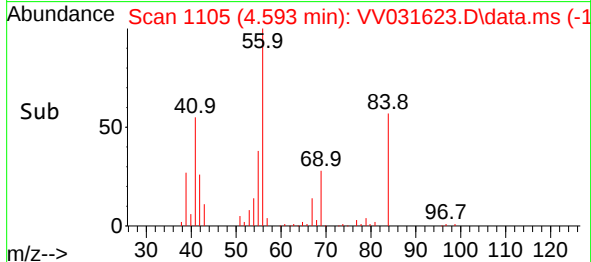
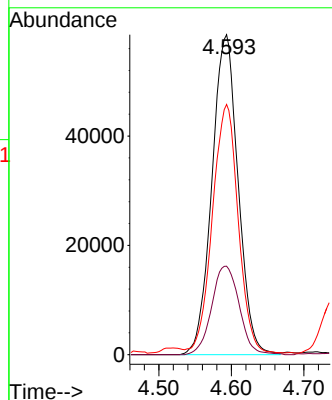
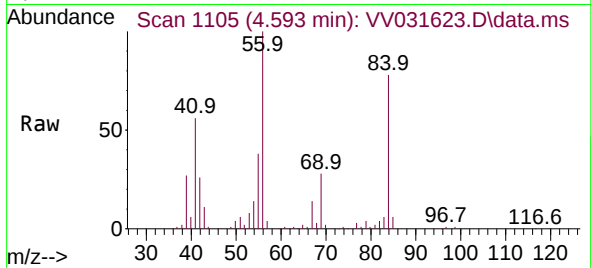




#29
Cyclohexane
Concen: 47.601 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

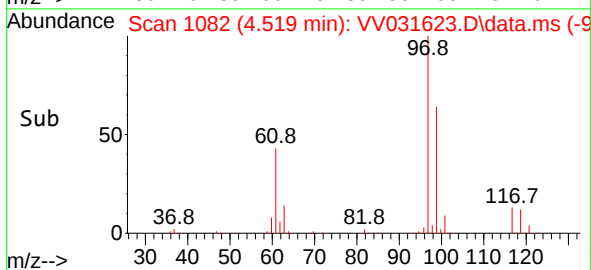
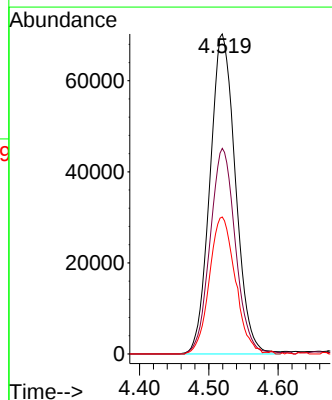
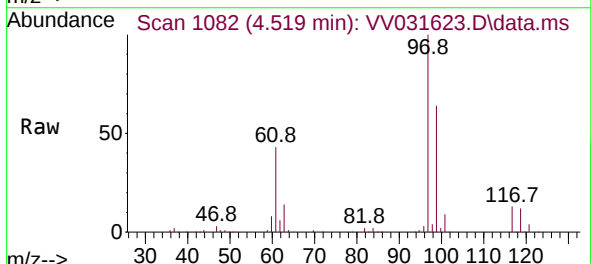
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

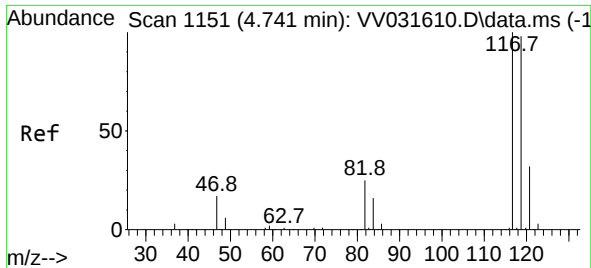
Tgt Ion: 56 Resp: 147111
Ion Ratio Lower Upper
56 100
69 29.1 24.3 36.5
84 76.0 65.0 97.6



#30
1,1,1-Trichloroethane
Concen: 47.214 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 97 Resp: 179814
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 43.2 33.0 49.6

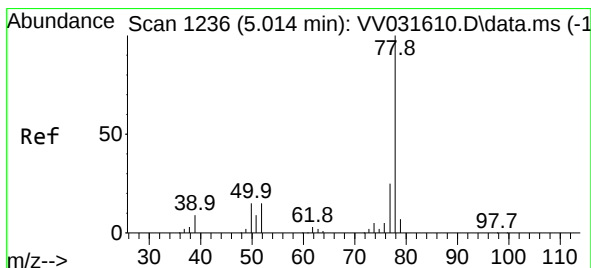
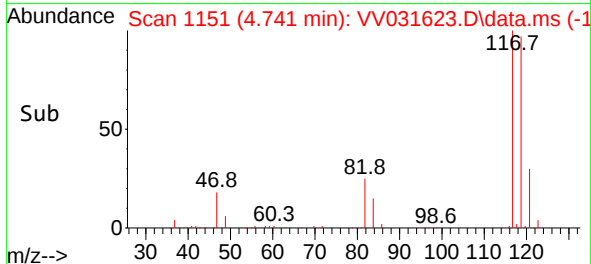
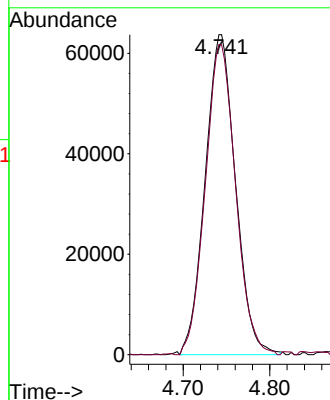
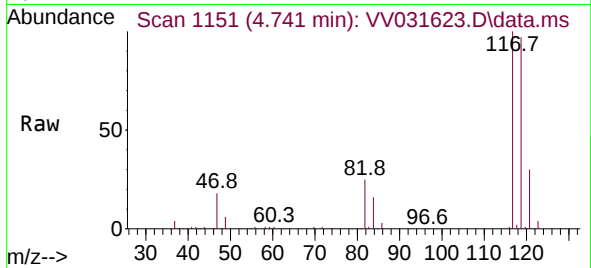




#31
Carbon tetrachloride
Concen: 45.983 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

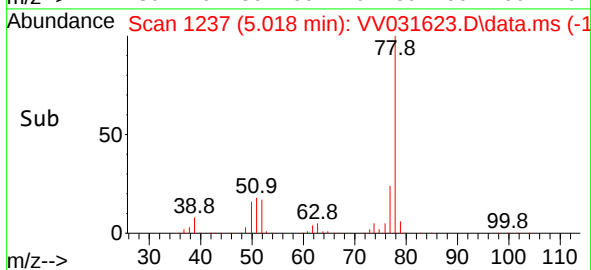
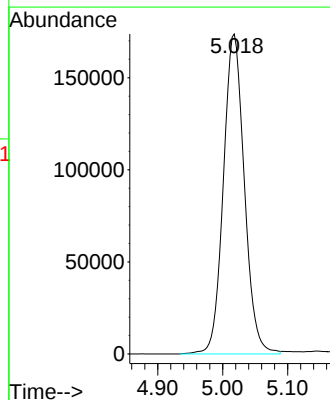
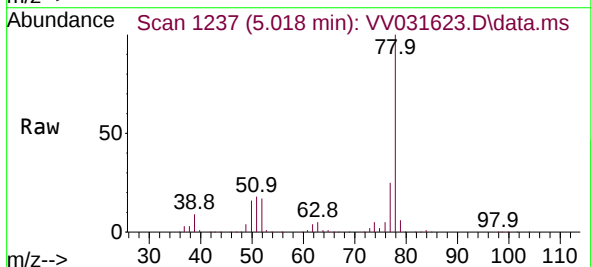
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

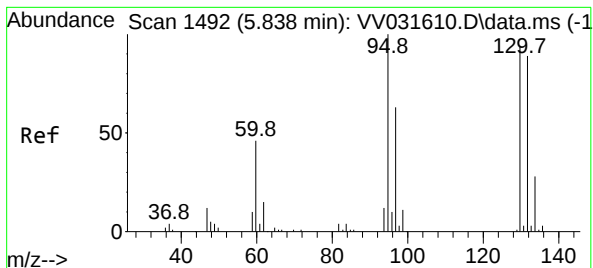
Tgt Ion:117 Resp: 155169
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.4



#33
Benzene
Concen: 49.224 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 78 Resp: 389298





#34

Trichloroethene

Concen: 47.483 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

A46K7MS

Tgt Ion: 95 Resp: 100348

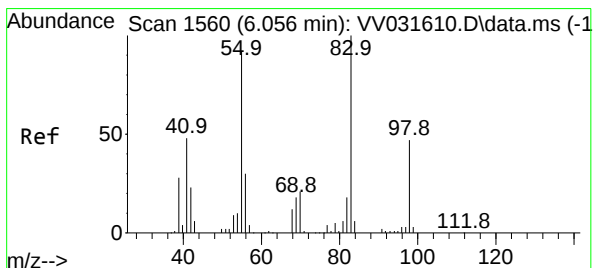
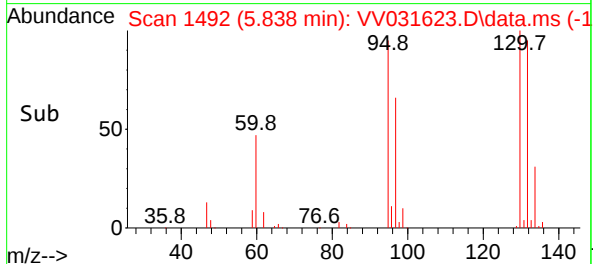
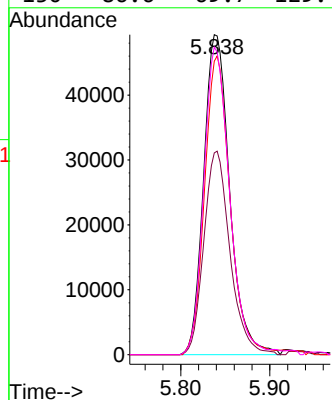
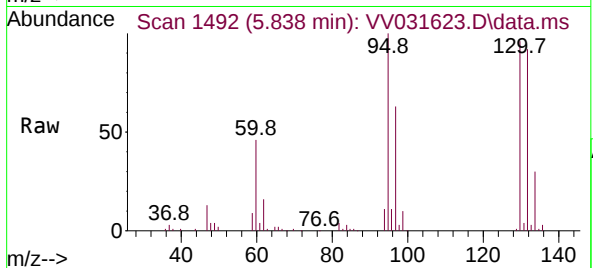
Ion Ratio Lower Upper

95 100

97 59.7 46.8 86.8

132 85.7 66.4 123.2

130 86.6 69.7 129.4



#35

Methylcyclohexane

Concen: 45.519 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

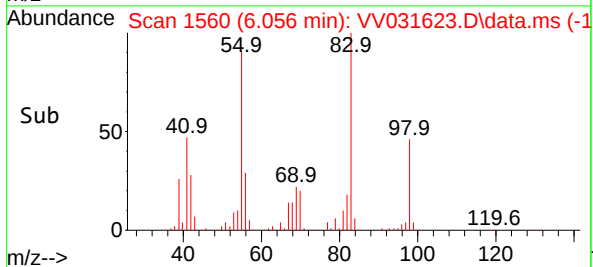
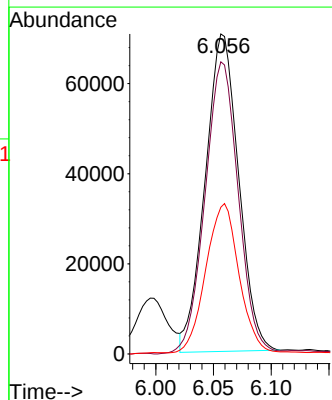
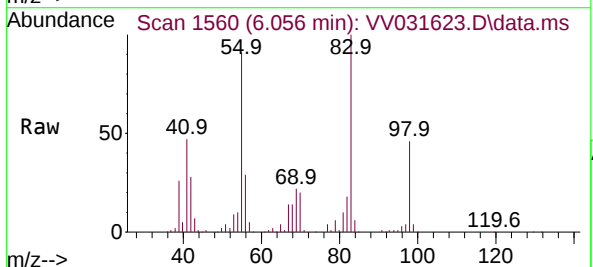
Tgt Ion: 83 Resp: 141739

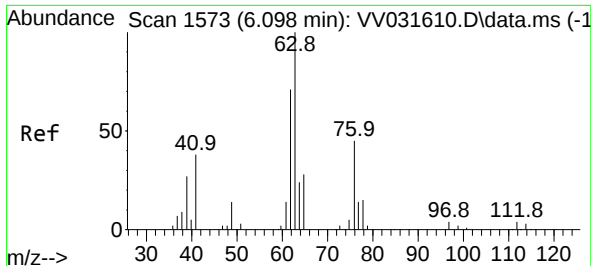
Ion Ratio Lower Upper

83 100

55 92.1 68.7 103.1

98 46.8 37.0 55.4





#37

1,2-Dichloropropane

Concen: 51.153 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

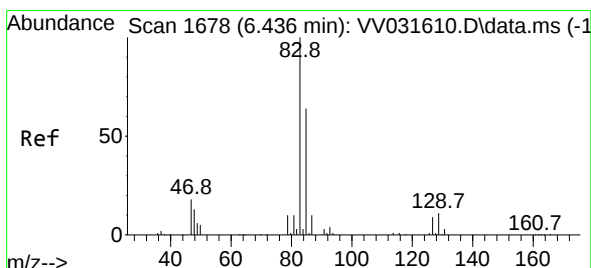
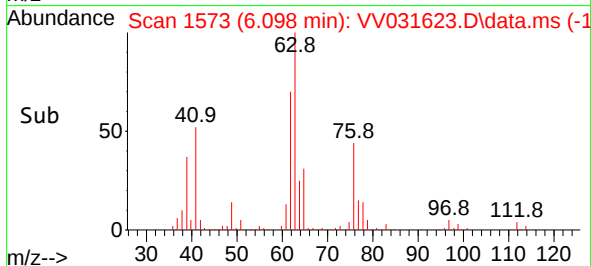
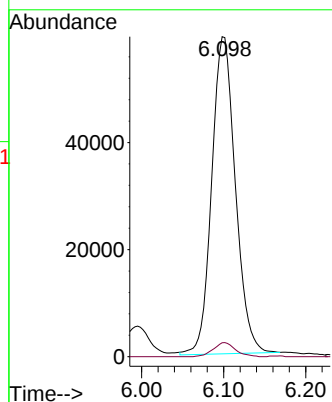
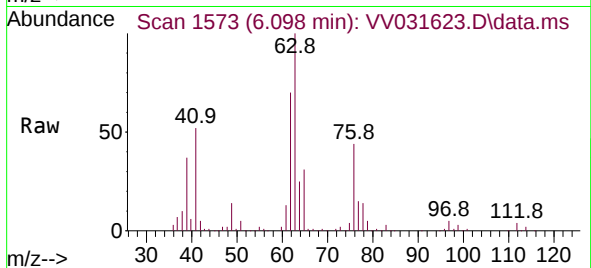
A46K7MS

Tgt Ion: 63 Resp: 118795

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 49.073 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

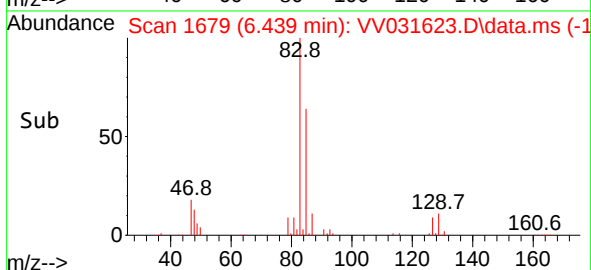
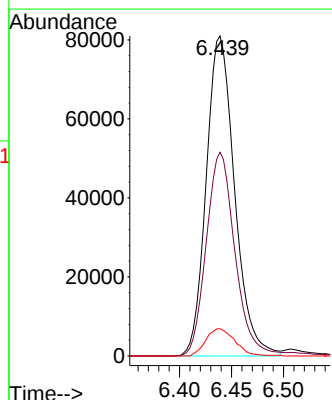
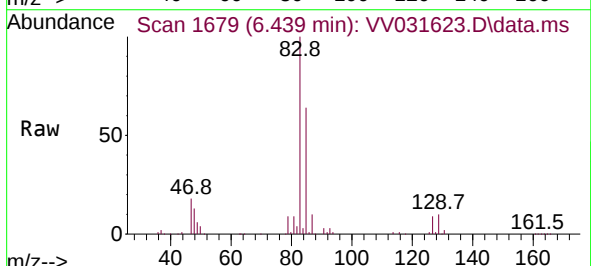
Tgt Ion: 83 Resp: 154042

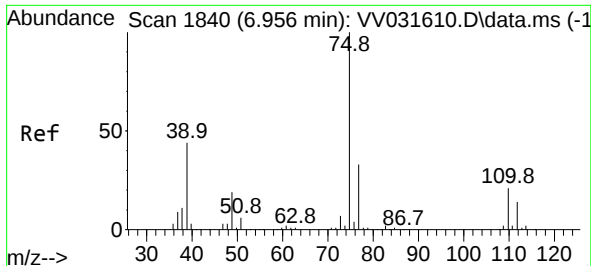
Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 49.327 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

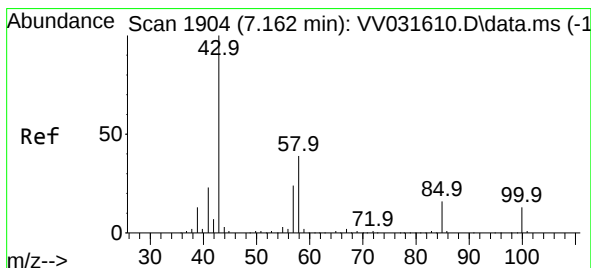
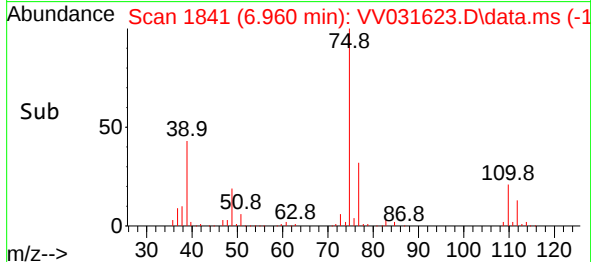
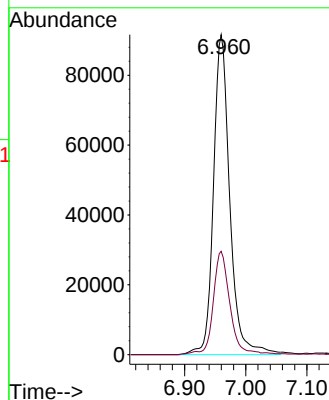
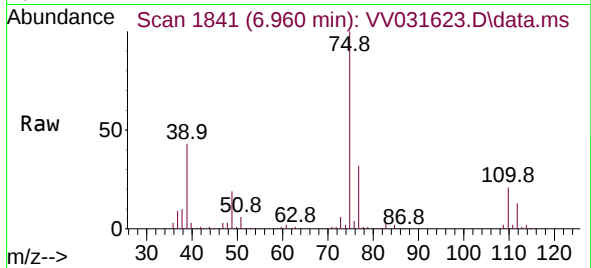
A46K7MS

Tgt Ion: 75 Resp: 170046

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 116.986 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

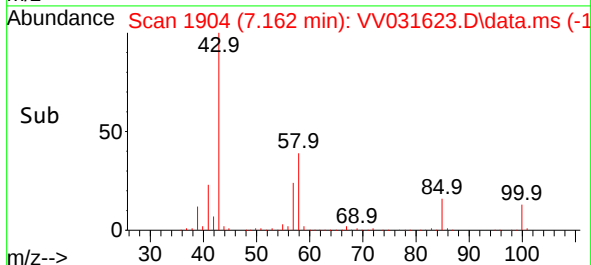
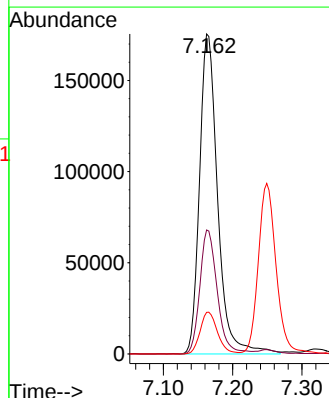
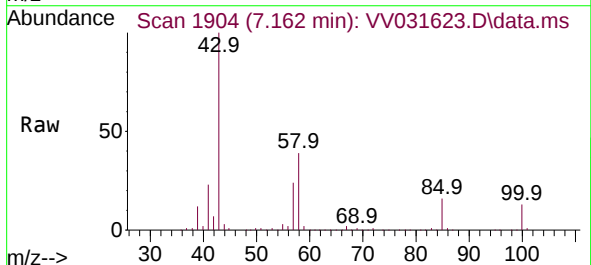
Tgt Ion: 43 Resp: 319009

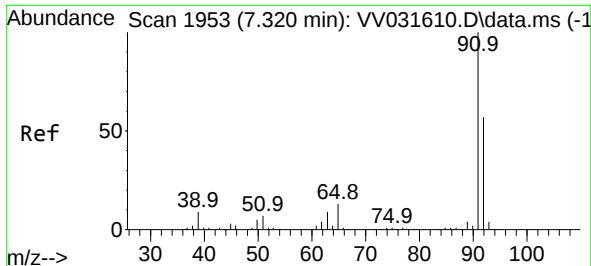
Ion Ratio Lower Upper

43 100

58 37.2 31.8 47.8

100 12.5 11.1 16.7





#42

Toluene

Concen: 50.607 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

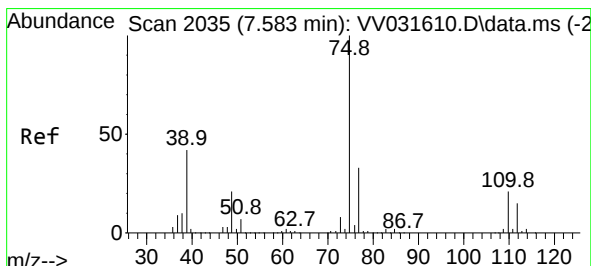
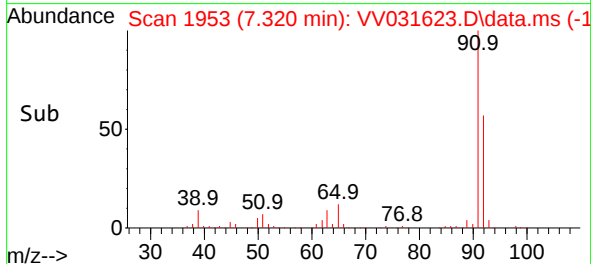
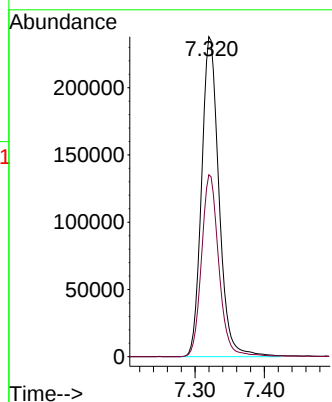
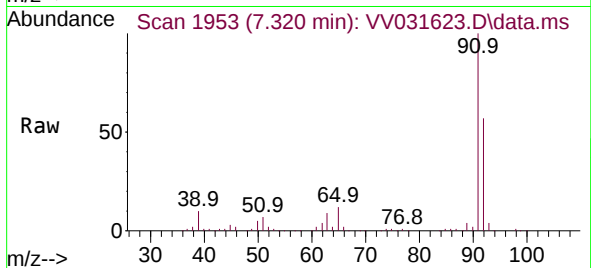
A46K7MS

Tgt Ion: 91 Resp: 414978

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 51.462 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV031623.D

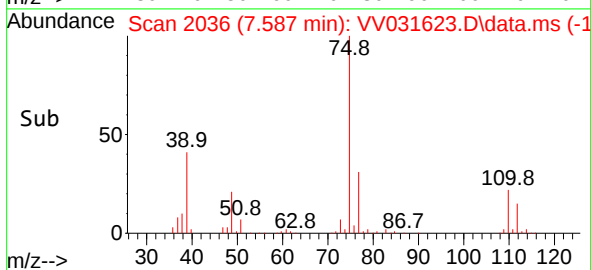
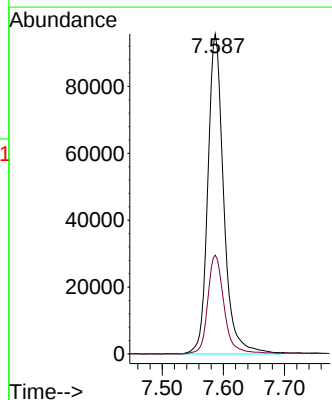
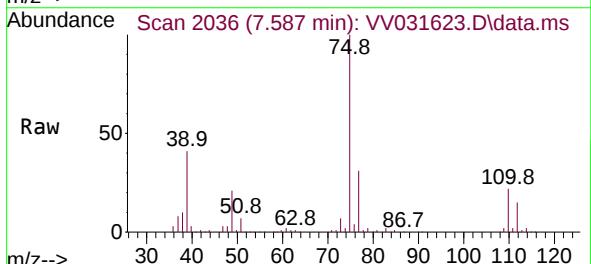
Acq: 29 Jun 2023 16:10

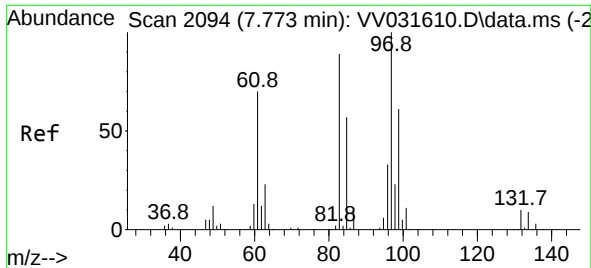
Tgt Ion: 75 Resp: 172767

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1

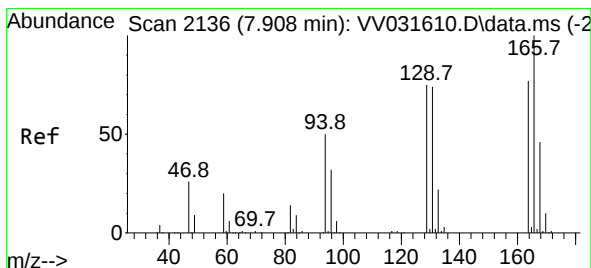
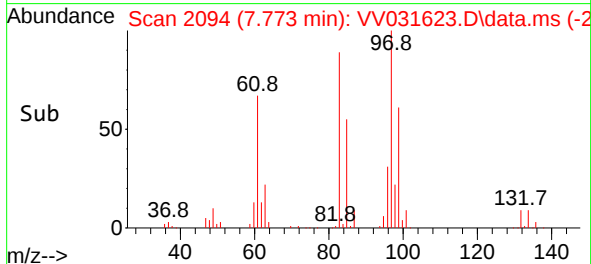
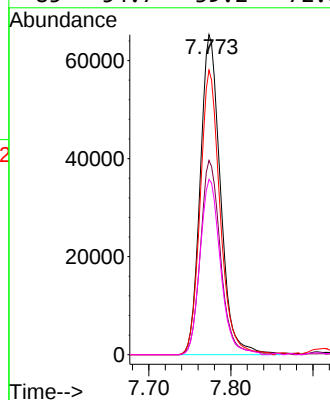
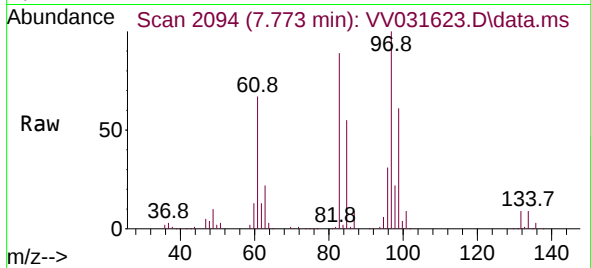




#45
1,1,2-Trichloroethane
Concen: 50.977 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

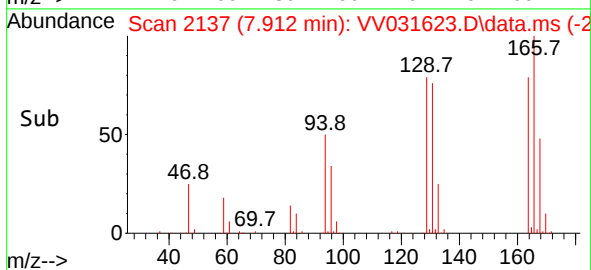
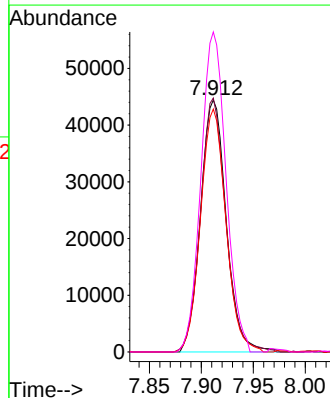
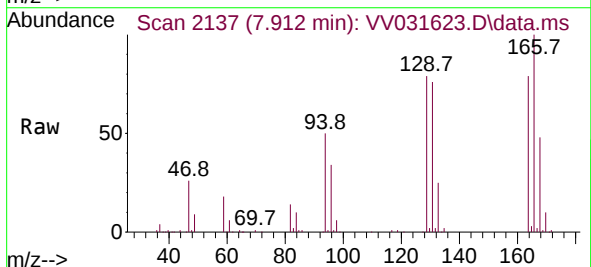
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

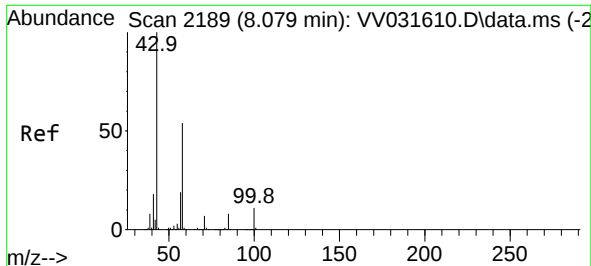
Tgt Ion:	97	Resp:	111835
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.7	81.1
83	88.9	60.9	113.1
85	54.7	39.2	72.8



#46
Tetrachloroethene
Concen: 46.198 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion:	164	Resp:	76626
Ion	Ratio	Lower	Upper
164	100		
129	103.6	68.4	127.0
131	98.6	67.6	125.6
166	129.7	91.3	169.5

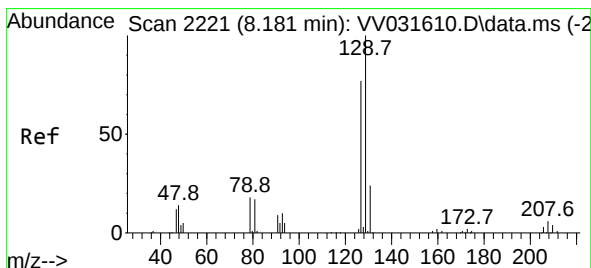
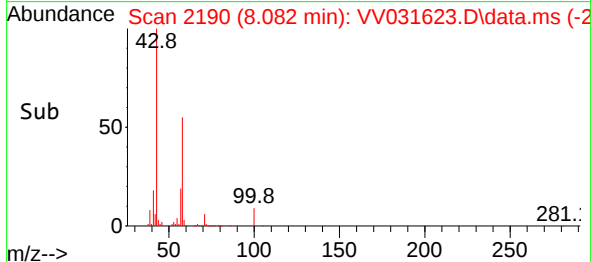
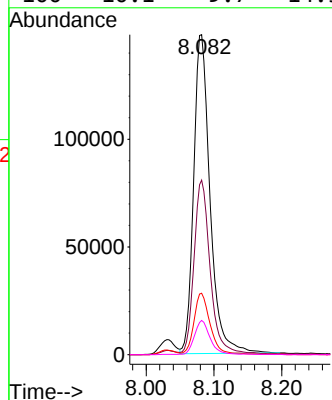
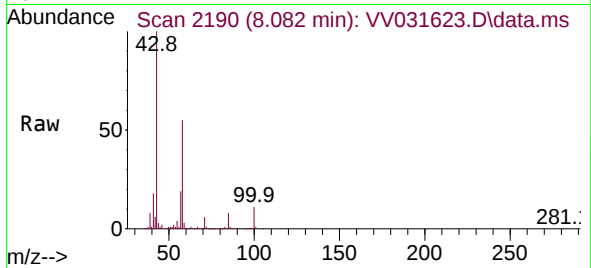




#48
2-Hexanone
Concen: 114.554 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

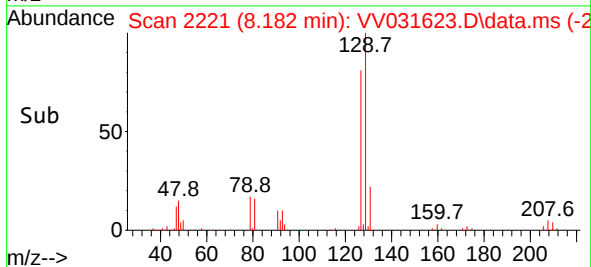
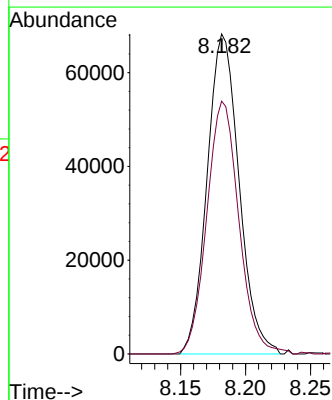
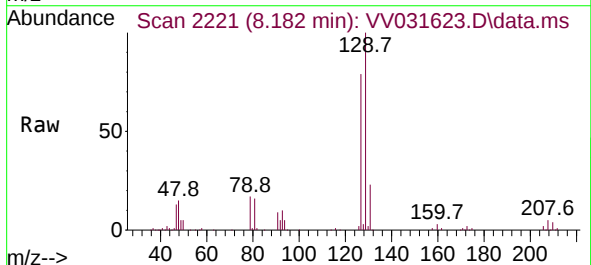
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

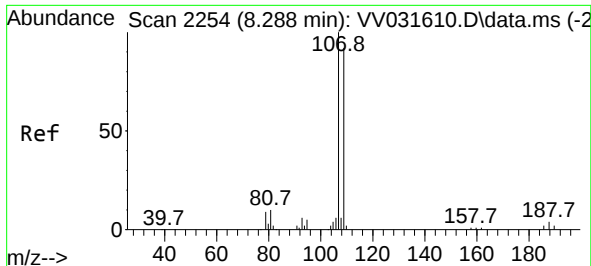
Tgt Ion: 43 Resp: 249484
Ion Ratio Lower Upper
43 100
58 52.4 46.7 70.1
57 17.9 15.5 23.3
100 10.1 9.7 14.5



#49
Dibromochloromethane
Concen: 47.875 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 129 Resp: 116730
Ion Ratio Lower Upper
129 100
127 81.6 55.8 103.6

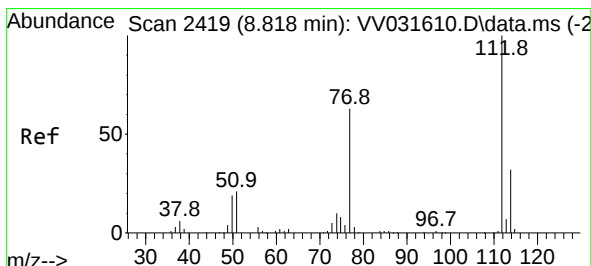
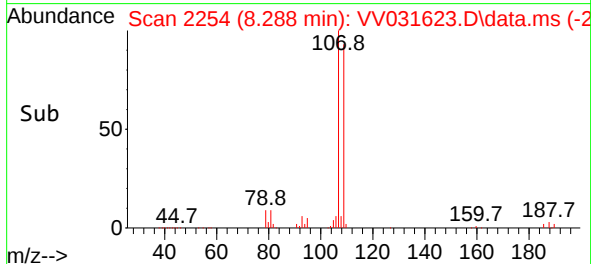
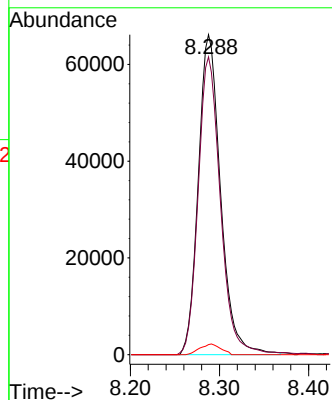
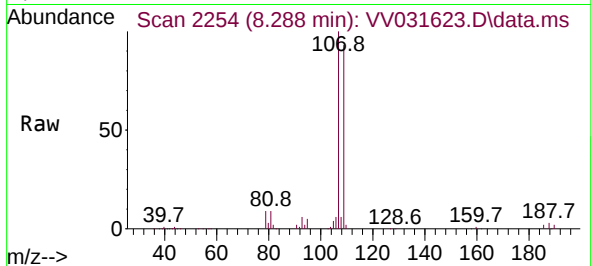




#50
1,2-Dibromoethane
Concen: 49.246 ug/L
RT: 8.288 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

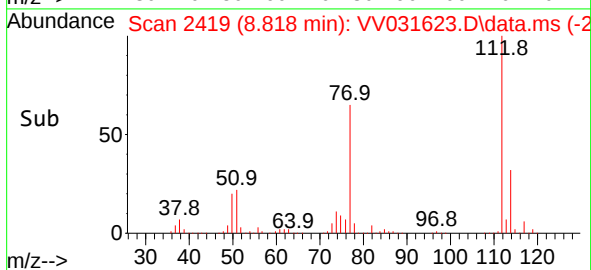
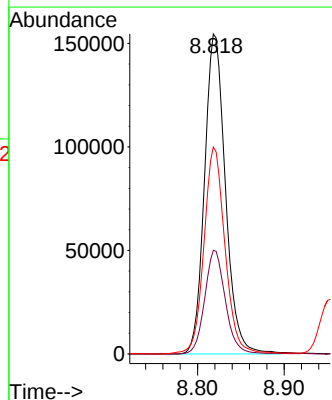
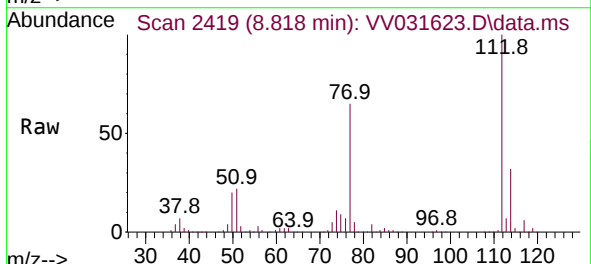
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

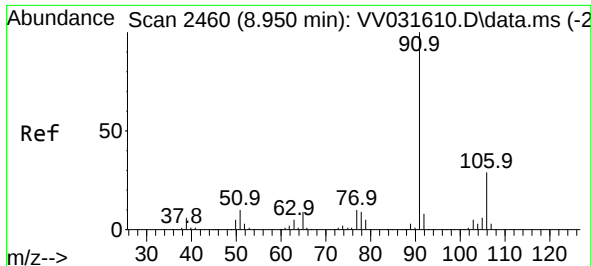
Tgt Ion:107 Resp: 115036
Ion Ratio Lower Upper
107 100
109 94.9 65.7 122.1
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 47.861 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion:112 Resp: 259924
Ion Ratio Lower Upper
112 100
114 32.4 22.9 42.5
77 64.7 52.5 78.7





#52

Ethylbenzene

Concen: 48.419 ug/L

RT: 8.953 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

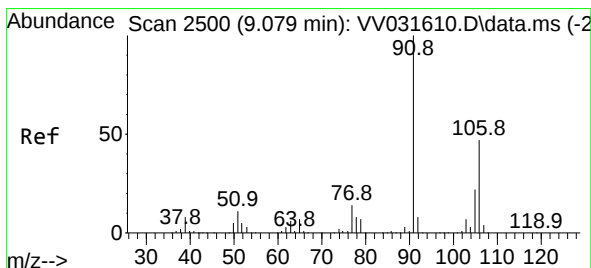
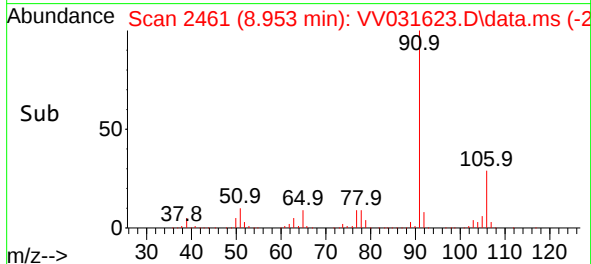
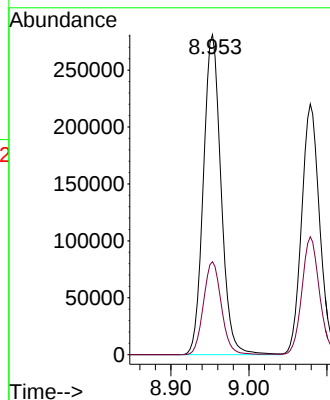
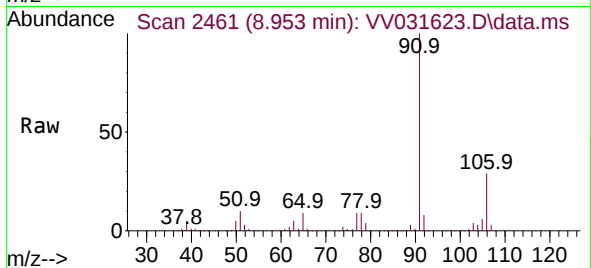
A46K7MS

Tgt Ion: 91 Resp: 443026

Ion Ratio Lower Upper

91 100

106 29.0 20.8 38.6



#53

m,p-Xylene

Concen: 49.162 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031623.D

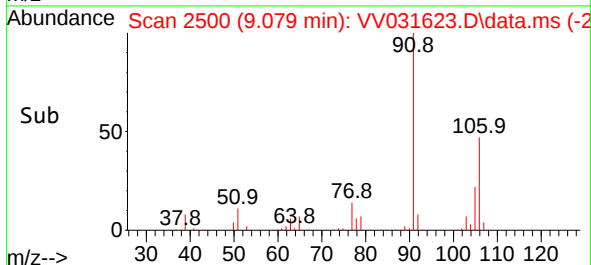
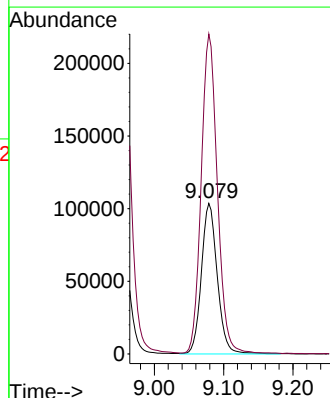
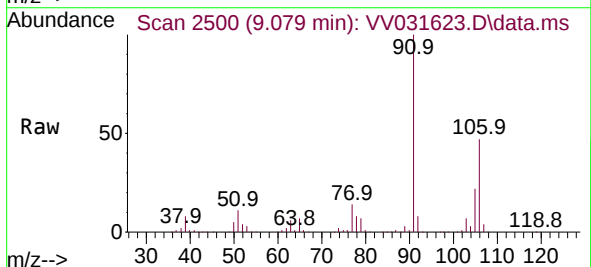
Acq: 29 Jun 2023 16:10

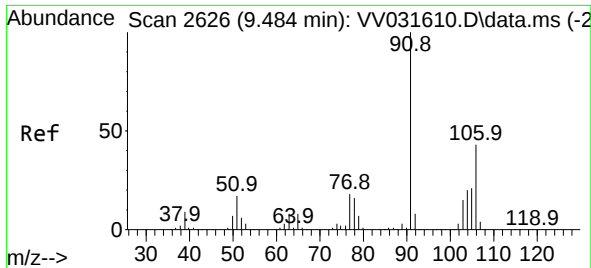
Tgt Ion:106 Resp: 164729

Ion Ratio Lower Upper

106 100

91 212.4 149.0 276.6

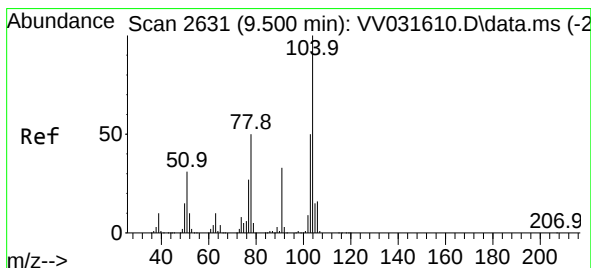
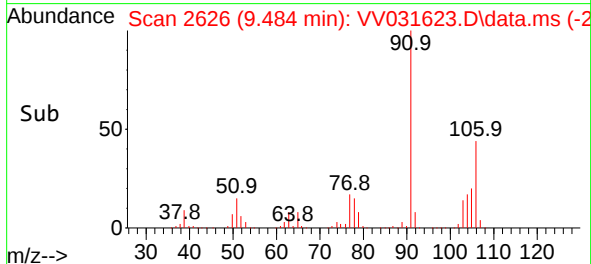
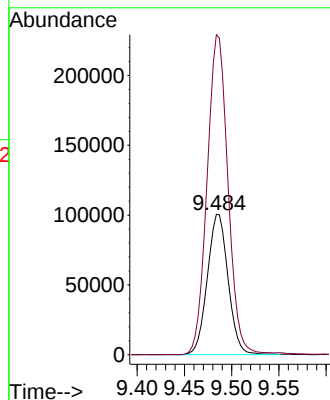
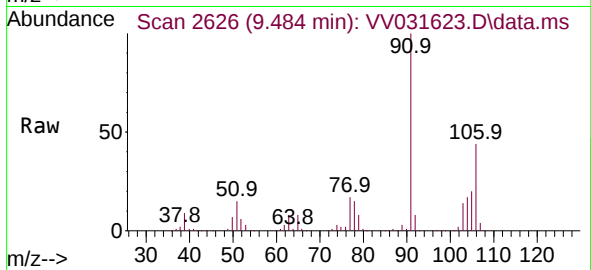




#54
o-Xylene
Concen: 48.427 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

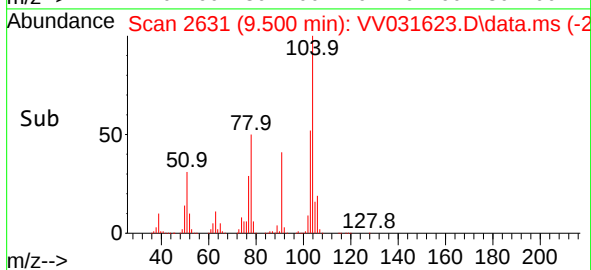
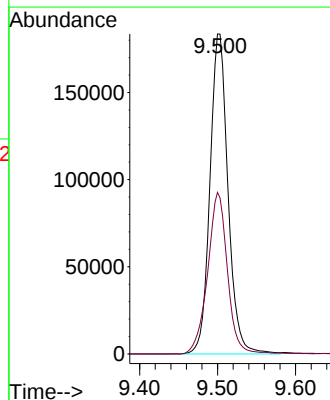
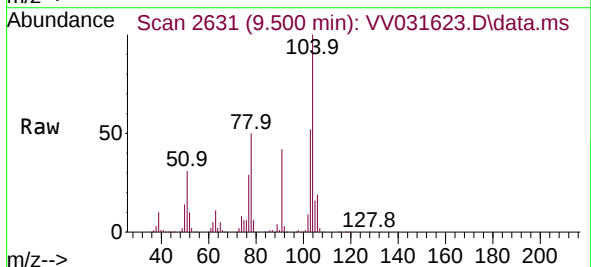
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

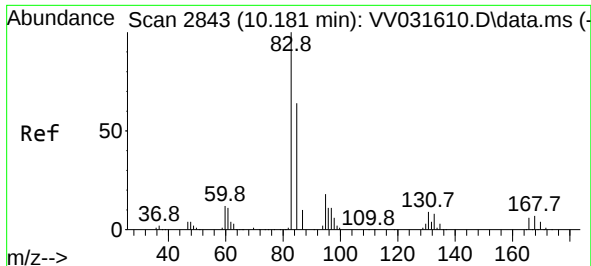
Tgt Ion:106 Resp: 153989
Ion Ratio Lower Upper
106 100
91 228.1 161.3 299.7



#55
Styrene
Concen: 52.084 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion:104 Resp: 295778
Ion Ratio Lower Upper
104 100
78 50.5 35.1 65.3

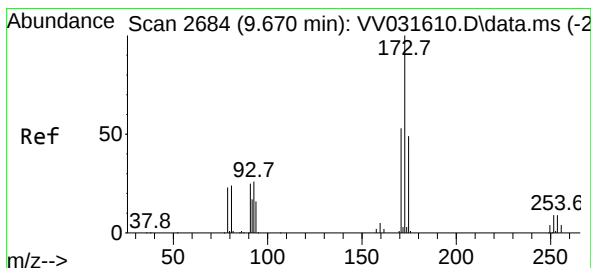
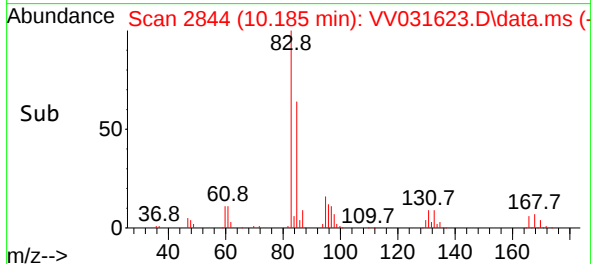
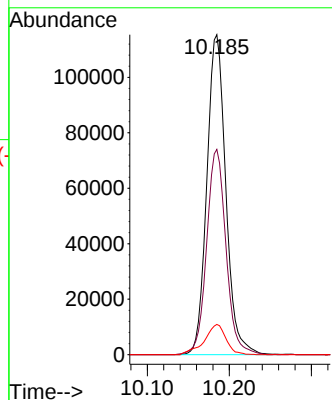
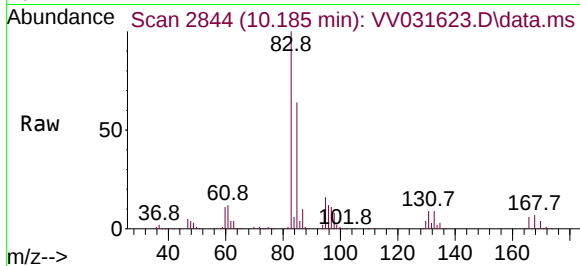




#57
1,1,2,2-Tetrachloroethane
Concen: 51.789 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

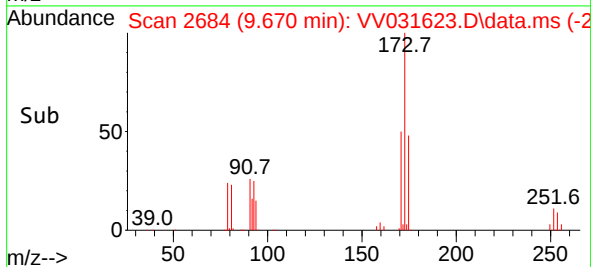
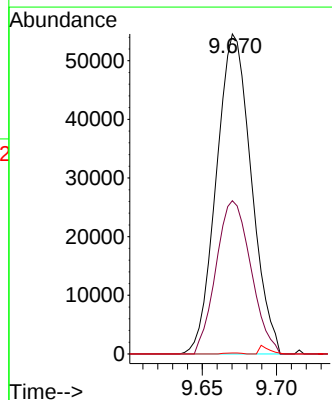
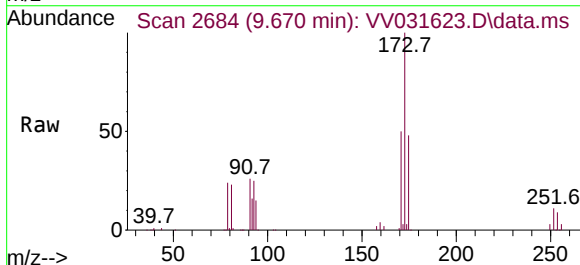
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

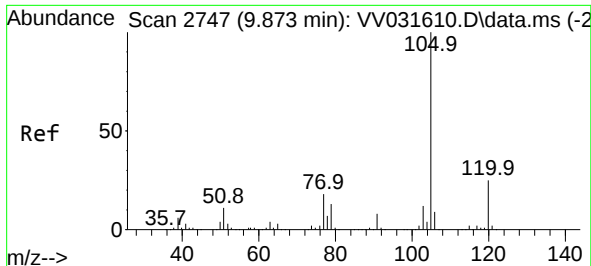
Tgt Ion: 83 Resp: 185641
Ion Ratio Lower Upper
83 100
85 64.2 43.1 80.1
131 12.9 10.6 16.0



#59
Bromoform
Concen: 49.209 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 173 Resp: 89141
Ion Ratio Lower Upper
173 100
175 47.8 37.7 56.5
254 0.1 0.1 0.1

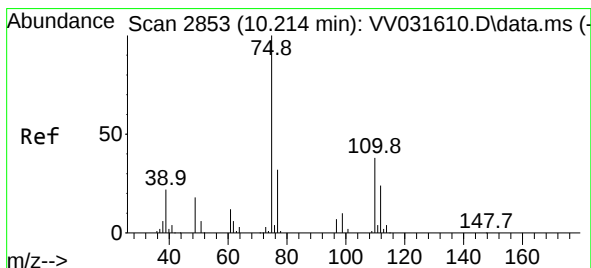
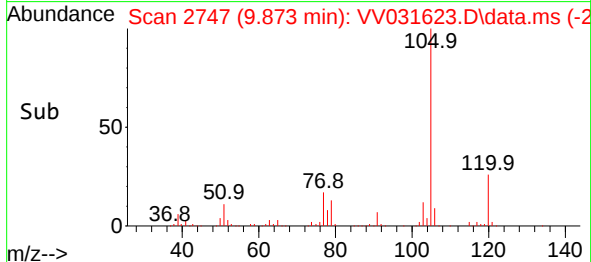
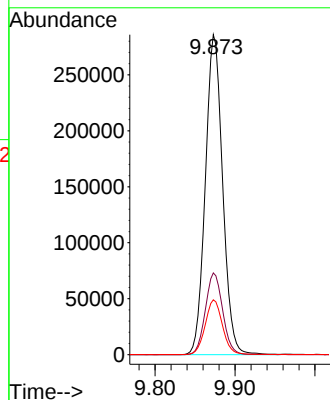
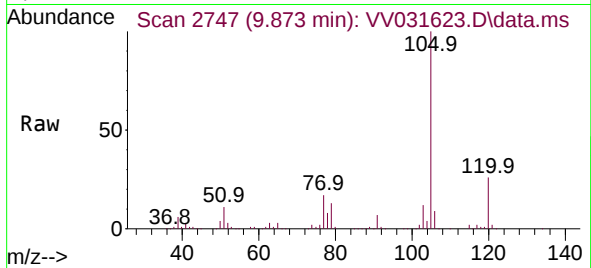




#60
Isopropylbenzene
Concen: 46.317 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

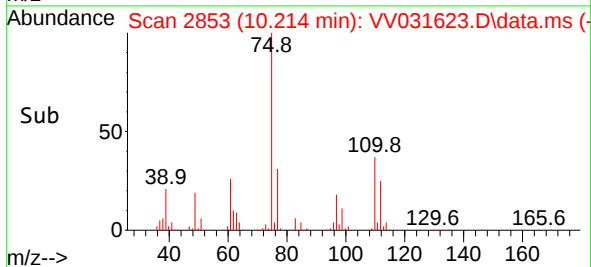
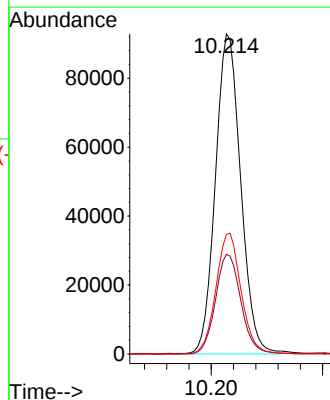
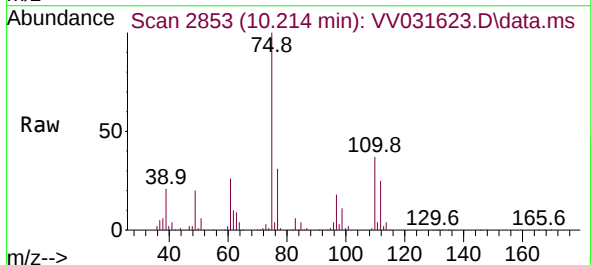
Instrument :
MSVOA_V
ClientSampleId :
A46K7MS

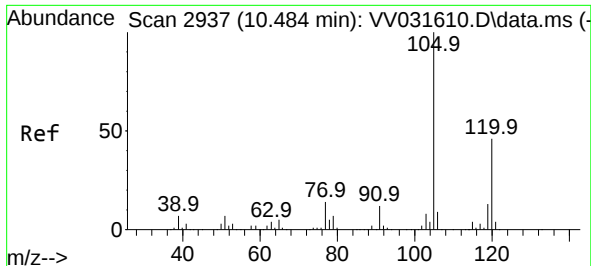
Tgt Ion:105 Resp: 431523
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.2
77 17.0 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 50.644 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031623.D
Acq: 29 Jun 2023 16:10

Tgt Ion: 75 Resp: 146182
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
110 37.5 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 44.839 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

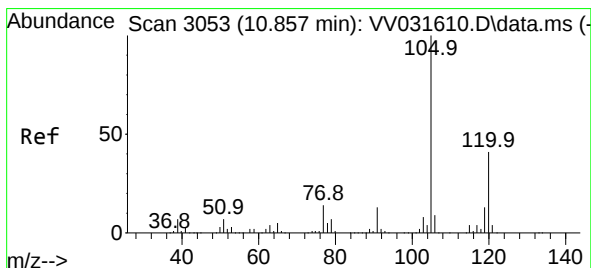
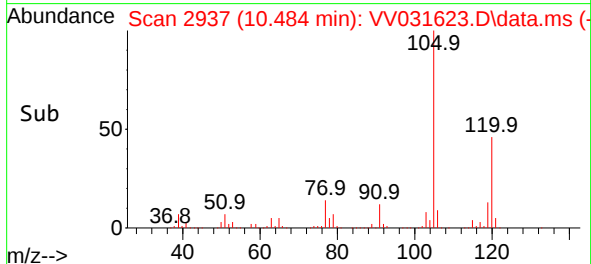
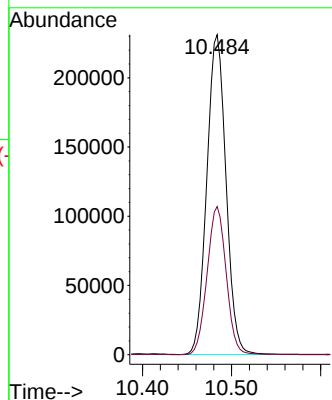
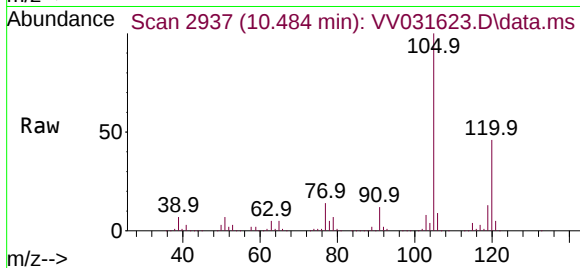
A46K7MS

Tgt Ion:105 Resp: 345273

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 45.097 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031623.D

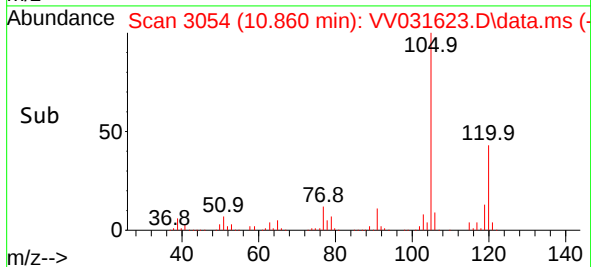
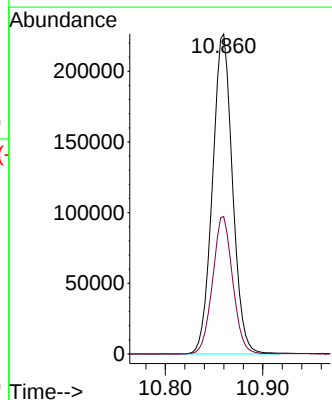
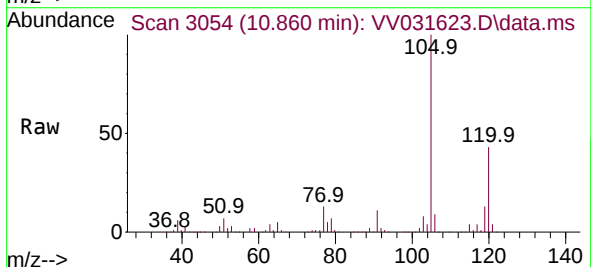
Acq: 29 Jun 2023 16:10

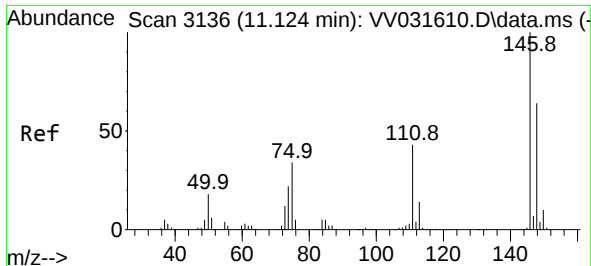
Tgt Ion:105 Resp: 323556

Ion Ratio Lower Upper

105 100

120 43.0 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 45.716 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

A46K7MS

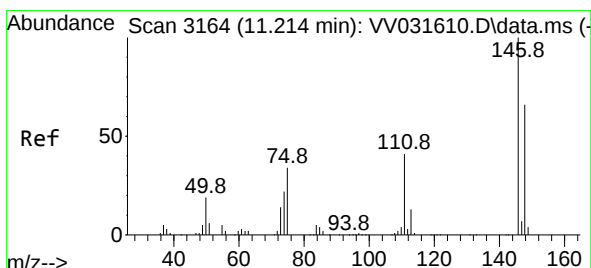
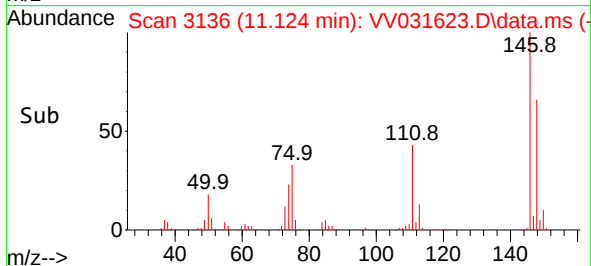
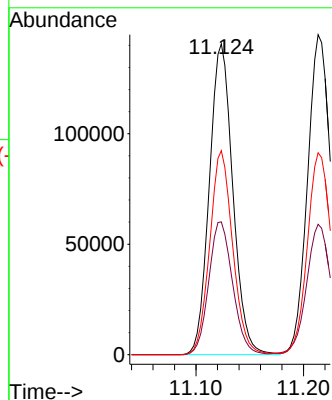
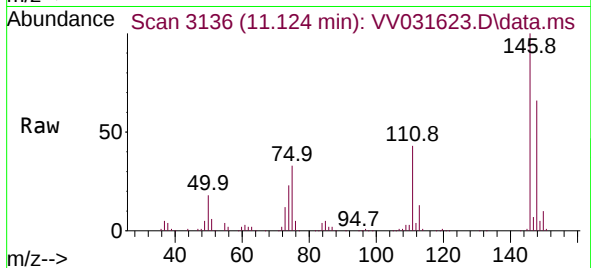
Tgt Ion:146 Resp: 213537

Ion Ratio Lower Upper

146 100

111 42.7 30.4 56.5

148 65.6 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 45.041 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

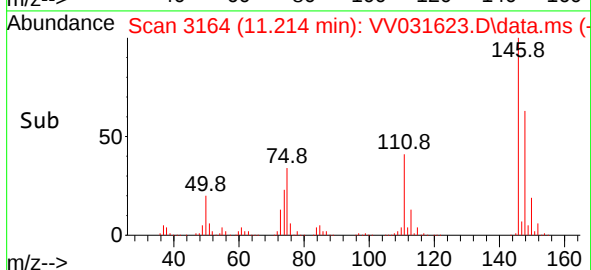
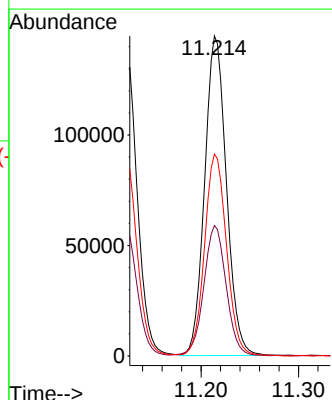
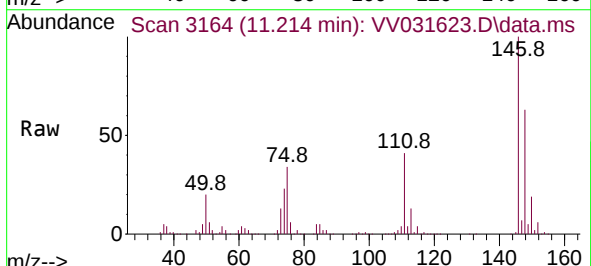
Tgt Ion:146 Resp: 224186

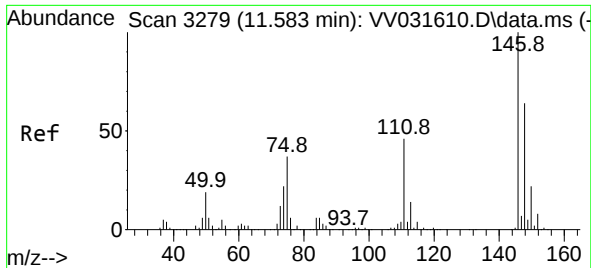
Ion Ratio Lower Upper

146 100

111 40.8 27.9 51.7

148 63.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 46.420 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

A46K7MS

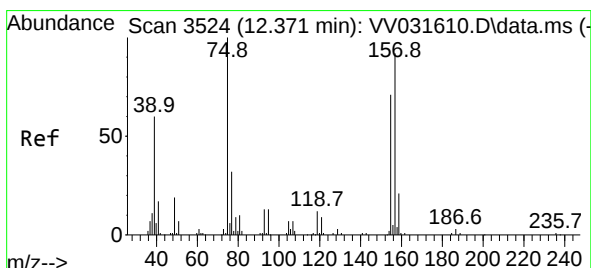
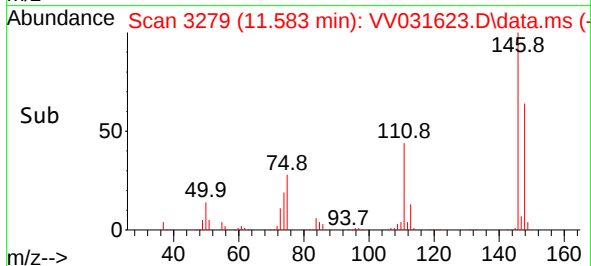
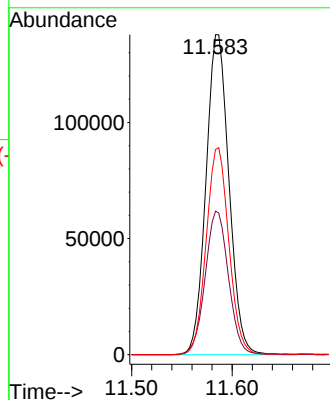
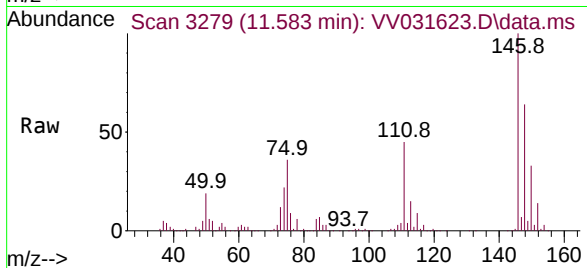
Tgt Ion:146 Resp: 218841

Ion Ratio Lower Upper

146 100

111 44.8 35.9 53.9

148 64.2 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 50.851 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

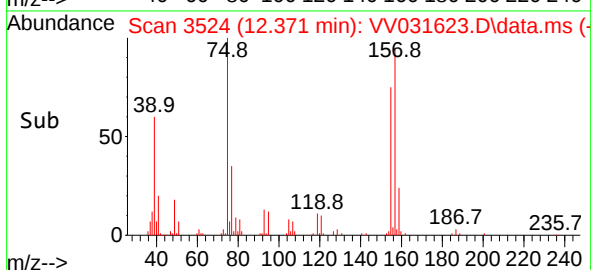
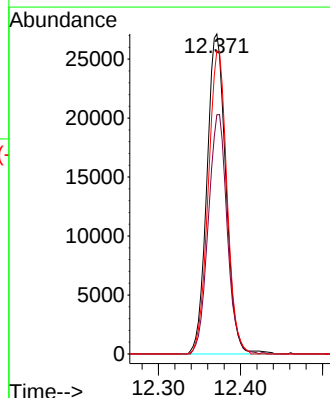
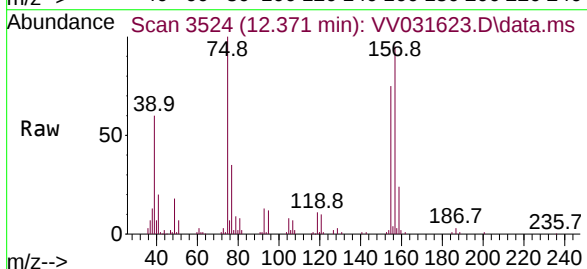
Tgt Ion: 75 Resp: 43564

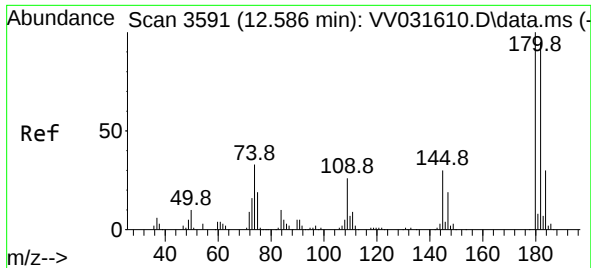
Ion Ratio Lower Upper

75 100

155 74.7 63.2 94.8

157 98.1 85.3 127.9

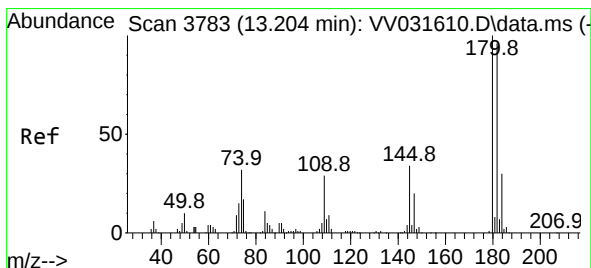
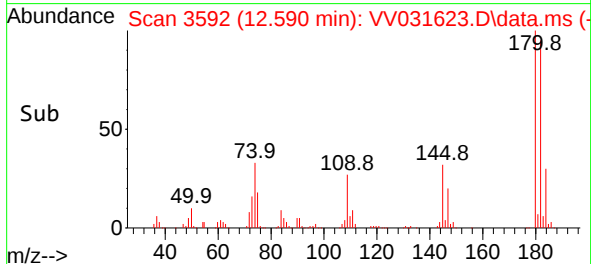
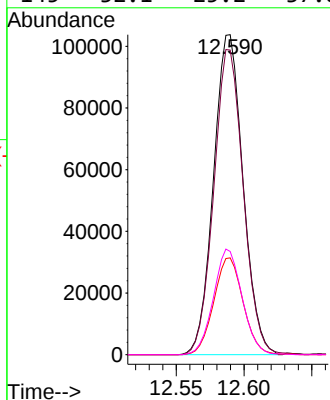
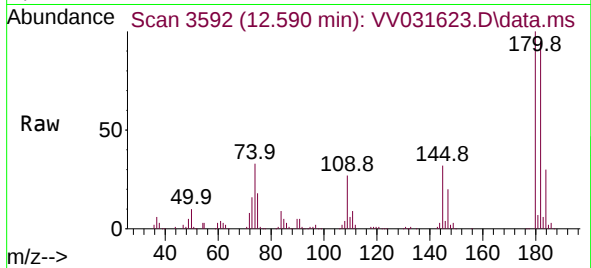




#69
 1,3,5-Trichlorobenzene
 Concen: 44.122 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.003 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

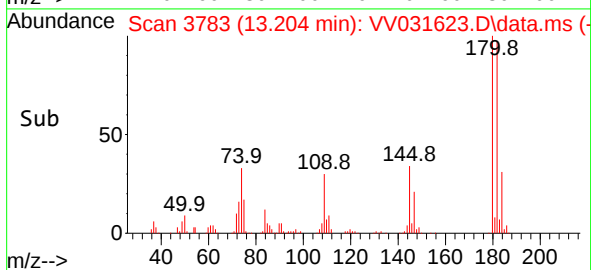
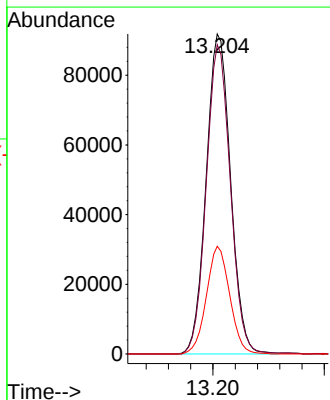
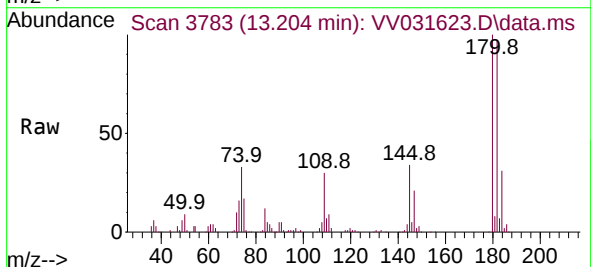
Instrument :
 MSVOA_V
 ClientSampleId :
 A46K7MS

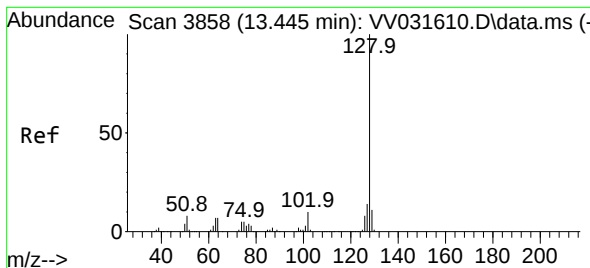
Tgt Ion:180 Resp: 157035
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 115.0
 184 30.1 24.7 37.1
 145 32.1 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 44.812 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031623.D
 Acq: 29 Jun 2023 16:10

Tgt Ion:180 Resp: 139801
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.7 116.5
 145 32.1 26.1 39.1





#71

Naphthalene

Concen: 49.864 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Instrument :

MSVOA_V

ClientSampleId :

A46K7MS

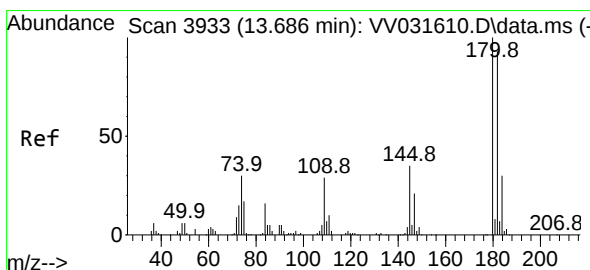
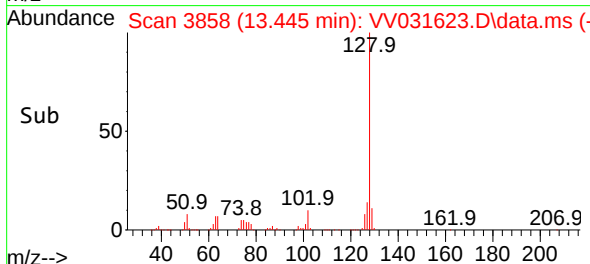
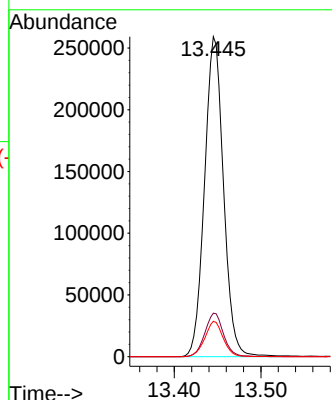
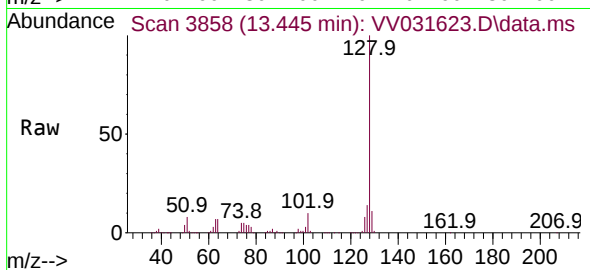
Tgt Ion:128 Resp: 394030

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.190 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031623.D

Acq: 29 Jun 2023 16:10

Tgt Ion:180 Resp: 149743

Ion Ratio Lower Upper

180 100

182 98.5 74.0 111.0

145 35.1 26.2 39.2

