

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082323\
 Data File : VV031856.D
 Acq On : 23 Aug 2023 09:35
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 01:27:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:26:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	294999	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	277392	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	147958	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8999	4.254	ug/L	0.00
7) Chloroethane-d5	1.532	69	8424	5.713	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	4234	5.585	ug/L	0.00
21) 2-Butanone-d5	3.786	46	43	0.033	ug/L	0.00
24) Chloroform-d	4.256	84	19693	4.110	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	12727	4.319	ug/L	0.00
32) Benzene-d6	4.969	84	37276	4.274	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	12303	4.343	ug/L	0.00
41) Toluene-d8	7.249	98	34349	4.251	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	5597	4.412	ug/L	0.00
47) 2-Hexanone-d5	8.046	63	5737	8.747	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.159	84	14628	4.118	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	13356	4.449	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	8866	3.795	ug/L	95
3) Chloromethane	1.217	50	8630	4.506	ug/L	100
5) Vinyl chloride	1.281	62	9039	4.457	ug/L	96
6) Bromomethane	1.487	94	5249	4.409	ug/L	87
8) Chloroethane	1.548	64	5780	5.126	ug/L	93
9) Trichlorofluoromethane	1.712	101	13184	4.360	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8146	4.983	ug/L	98
12) 1,1-Dichloroethene	2.069	96	7236	5.196	ug/L	95
13) Acetone	2.114	43	14931	16.326	ug/L	96
14) Carbon disulfide	2.243	76	14906	4.058	ug/L	98
15) Methyl Acetate	2.378	43	9988	4.586	ug/L	93
16) Methylene chloride	2.449	84	9529	4.139	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	8070	4.421	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	32832	4.952	ug/L	99
19) 1,1-Dichloroethane	3.114	63	17442	4.451	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	9733	4.434	ug/L	97
22) 2-Butanone	4.066	43	94	0.059	ug/L	90
23) Bromochloromethane	4.159	128	4717	4.131	ug/L	97
25) Chloroform	4.281	83	18523	4.209	ug/L	98
27) 1,2-Dichloroethane	5.053	62	14117	4.270	ug/L	95
29) Cyclohexane	4.587	56	13592	4.864	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	15195	3.737	ug/L	96
31) Carbon tetrachloride	4.738	117	13043	3.538	ug/L	100
33) Benzene	5.018	78	35611	4.367	ug/L	100
34) Trichloroethene	5.841	95	11165	4.140	ug/L	96
35) Methylcyclohexane	6.053	83	13884	4.285	ug/L	96
37) 1,2-Dichloropropane	6.101	63	9326	3.922	ug/L	97
38) Bromodichloromethane	6.442	83	13692	4.021	ug/L	96
39) cis-1,3-Dichloropropene	6.963	75	15690	4.534	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	29143	10.082	ug/L	99
42) Toluene	7.323	91	38118	4.471	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	15397	4.662	ug/L	94

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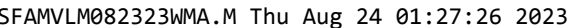
Quant Time: Aug 24 01:27:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:26:33 2023
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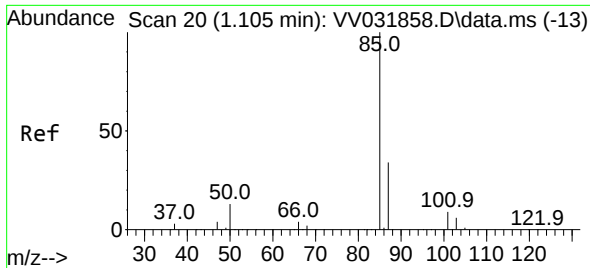
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.776	97	9702	4.285	ug/L	98
46) Tetrachloroethene	7.911	164	6816	4.009	ug/L	98
48) 2-Hexanone	8.088	43	22306	10.194	ug/L	97
49) Dibromochloromethane	8.181	129	9431	3.519	ug/L	99
50) 1,2-Dibromoethane	8.291	107	10367	4.038	ug/L #	96
51) Chlorobenzene	8.818	112	25389	4.319	ug/L	96
52) Ethylbenzene	8.950	91	45024	4.669	ug/L	99
53) m,p-Xylene	9.082	106	16598	4.948	ug/L	96
54) o-Xylene	9.484	106	16342	5.308	ug/L	96
55) Styrene	9.503	104	28928	5.244	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	13701	4.383	ug/L	99
59) Bromoform	9.670	173	6486	3.771	ug/L	98
60) Isopropylbenzene	9.873	105	46703	5.562	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	13055	4.607	ug/L	97
62) 1,3,5-Trimethylbenzene	10.480	105	39411	5.836	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	39144	5.713	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	20689	4.581	ug/L	100
65) 1,4-Dichlorobenzene	11.213	146	21971	4.651	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	20721	4.514	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	3577	4.210	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	15022	4.003	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	13433	3.689	ug/L	93
71) Naphthalene	13.445	128	39985	3.724	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	12642	3.329	ug/L	98

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

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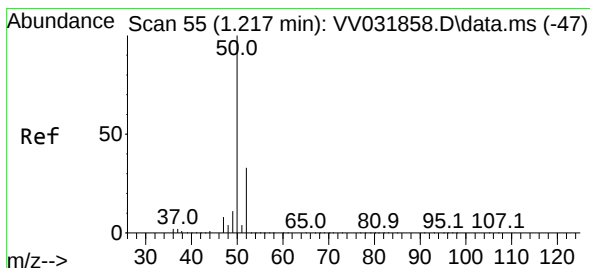
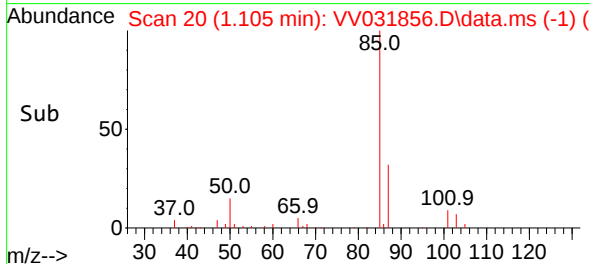
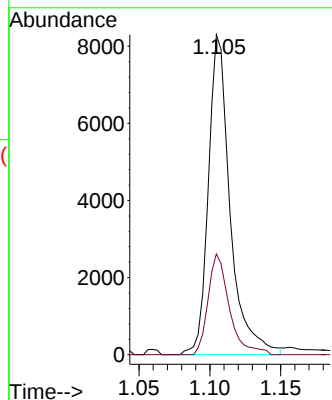
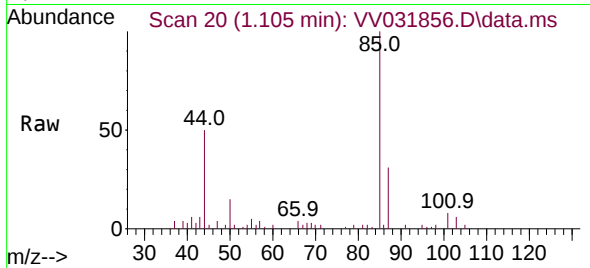




#2
 Dichlorodifluoromethane
 Concen: 3.795 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031856.D
 Acq: 23 Aug 2023 09:35

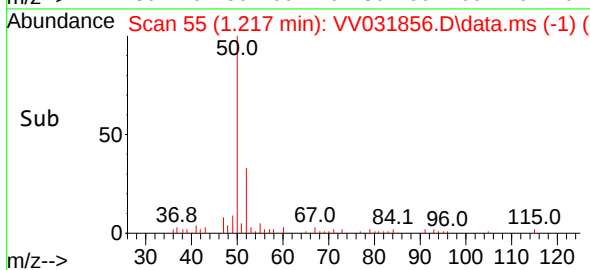
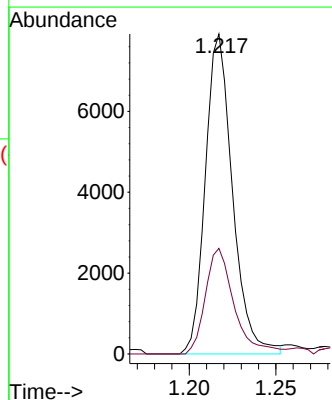
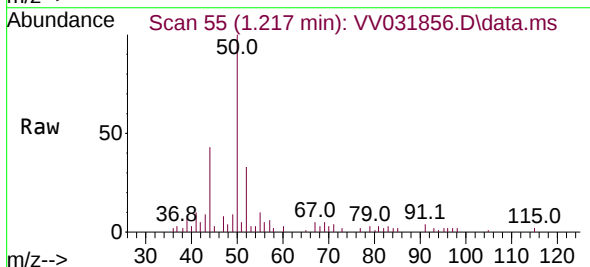
Instrument :
 MSVOA_V
 ClientSampleId :

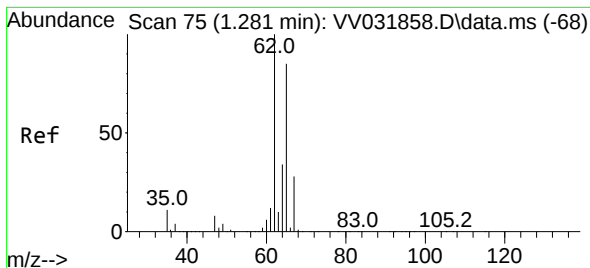
Tgt Ion: 85 Resp: 8866
 Ion Ratio Lower Upper
 85 100
 87 30.7 26.8 40.2



#3
 Chloromethane
 Concen: 4.506 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031856.D
 Acq: 23 Aug 2023 09:35

Tgt Ion: 50 Resp: 8630
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.6





#5

Vinyl chloride

Concen: 4.457 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

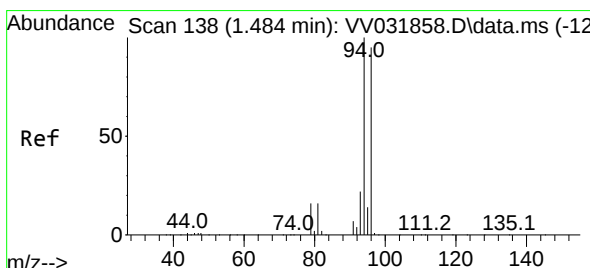
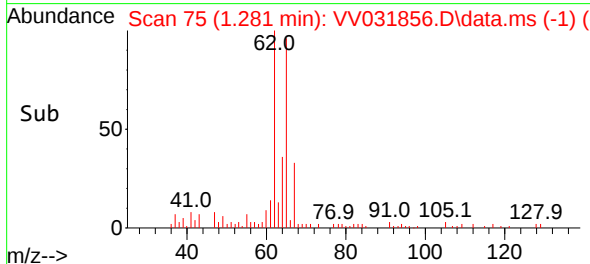
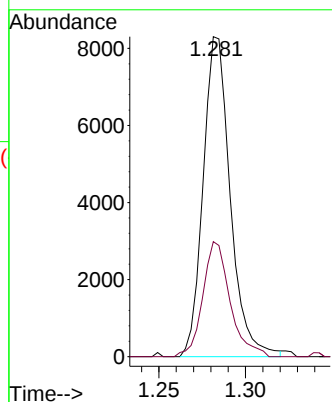
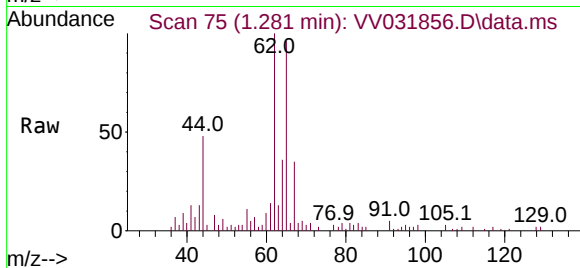
ClientSampleId :

Tgt Ion: 62 Resp: 9039

Ion Ratio Lower Upper

62 100

64 35.9 23.6 43.8



#6

Bromomethane

Concen: 4.409 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.003 min

Lab File: VV031856.D

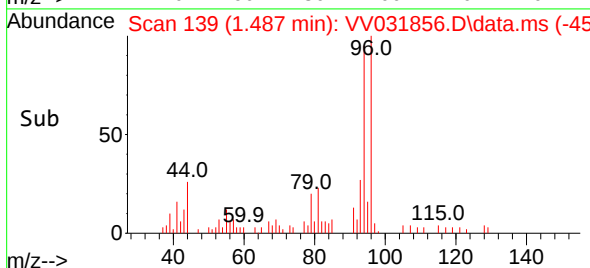
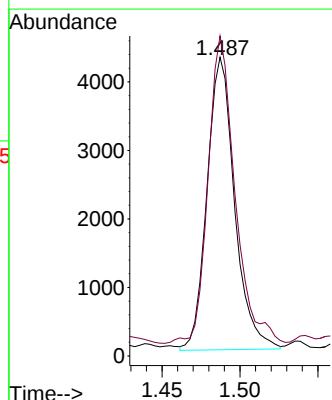
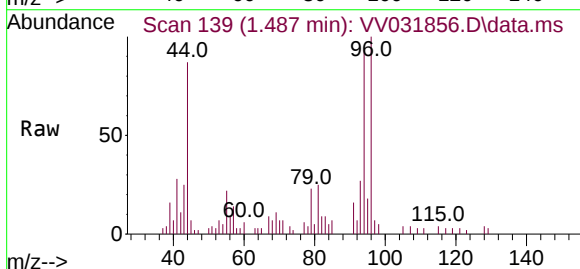
Acq: 23 Aug 2023 09:35

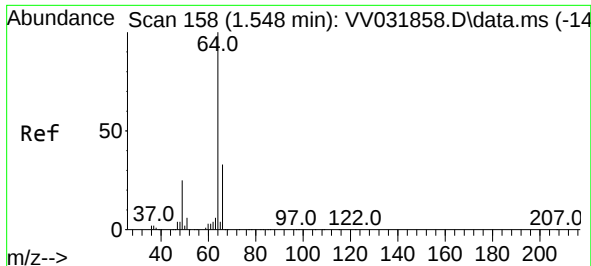
Tgt Ion: 94 Resp: 5249

Ion Ratio Lower Upper

94 100

96 107.1 66.4 123.4

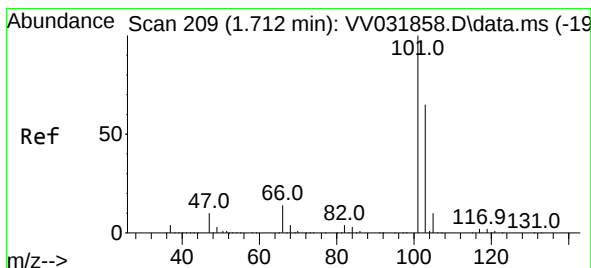
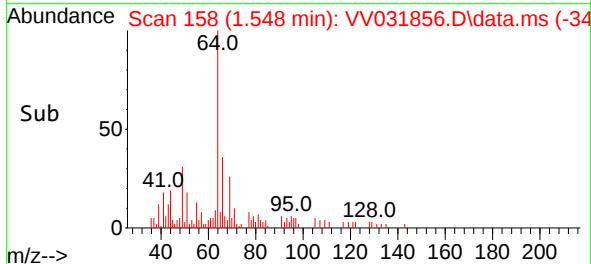
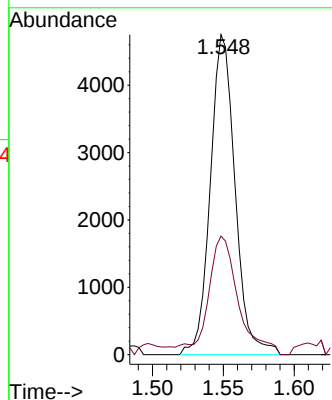
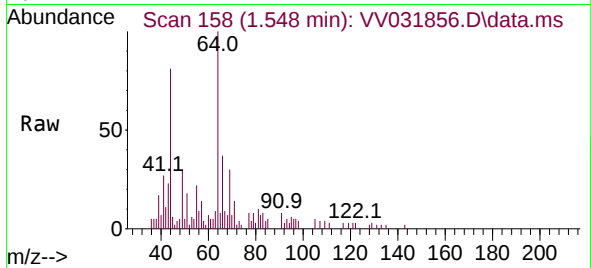




#8
Chloroethane
Concen: 5.126 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

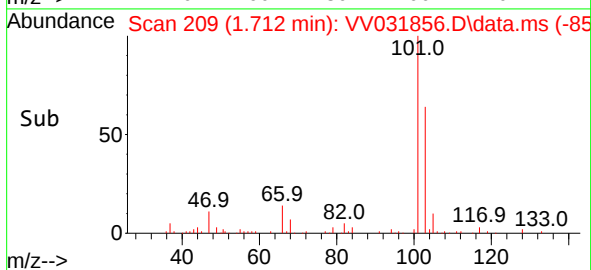
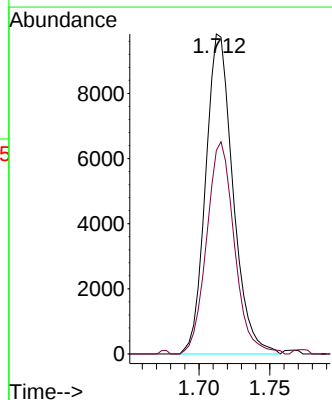
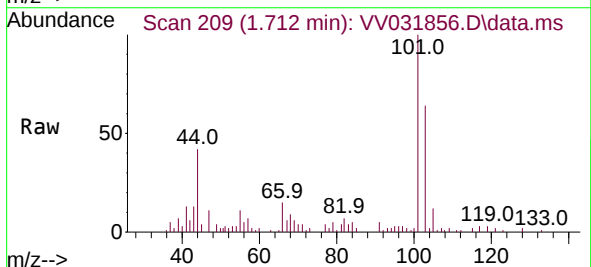
Instrument :
MSVOA_V
ClientSampleId :

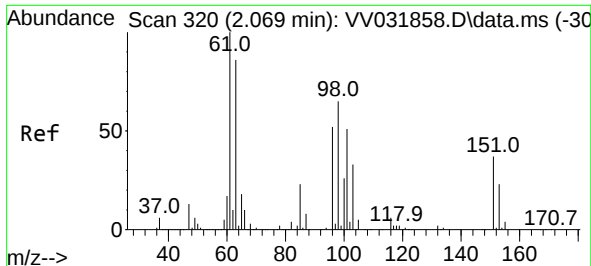
Tgt Ion: 64 Resp: 5780
Ion Ratio Lower Upper
64 100
66 37.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.360 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion:101 Resp: 13184
Ion Ratio Lower Upper
101 100
103 67.2 51.9 77.9





#10

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

Concen: 4.983 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

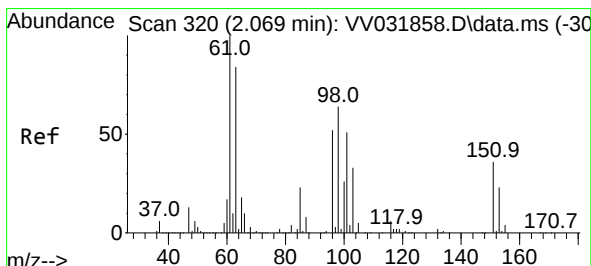
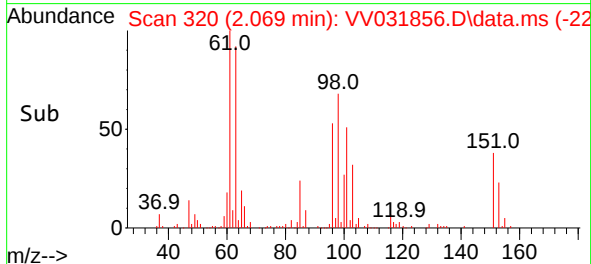
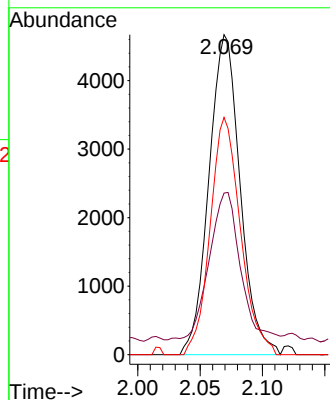
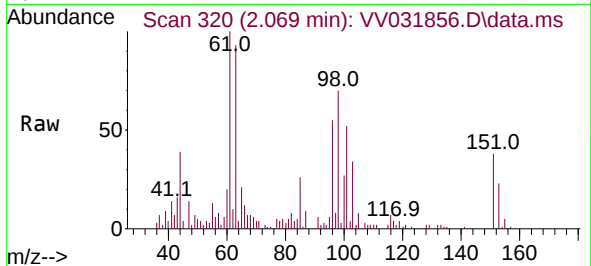
Tgt Ion:101 Resp: 8146

Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.8

151 72.1 56.5 84.7



#12

1,1-Dichloroethene

Concen: 5.196 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

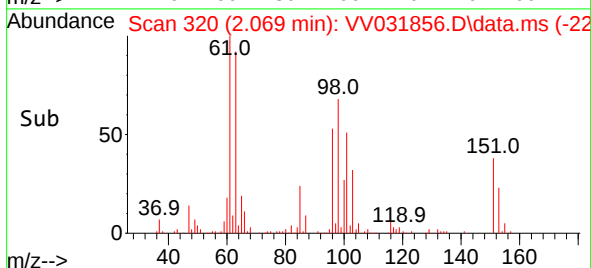
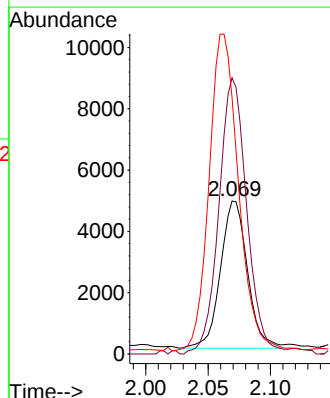
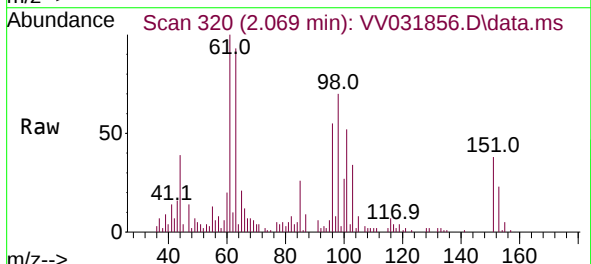
Tgt Ion: 96 Resp: 7236

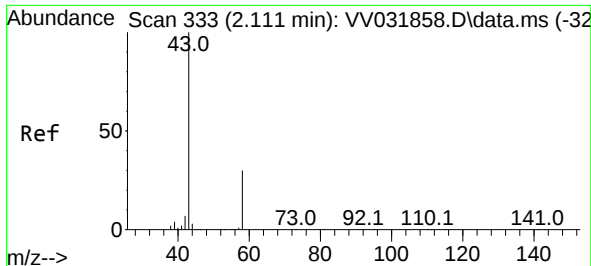
Ion Ratio Lower Upper

96 100

61 180.5 133.8 248.6

63 167.7 115.2 214.0





#13

Acetone

Concen: 16.326 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

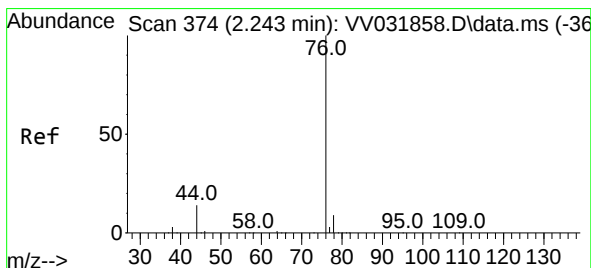
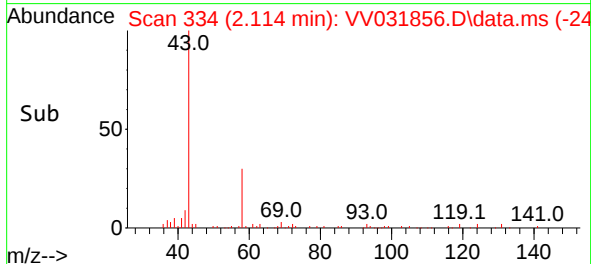
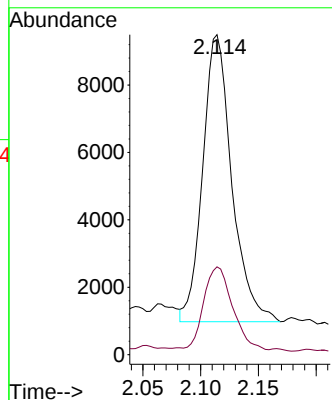
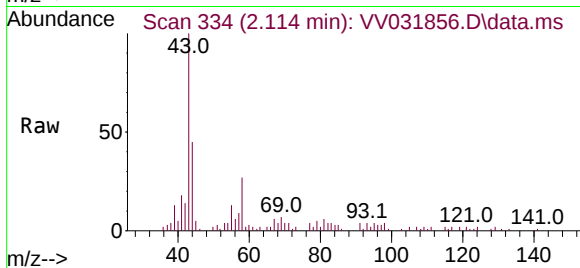
ClientSampleId :

Tgt Ion: 43 Resp: 14931

Ion Ratio Lower Upper

43 100

58 28.4 0.0 61.0



#14

Carbon disulfide

Concen: 4.058 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031856.D

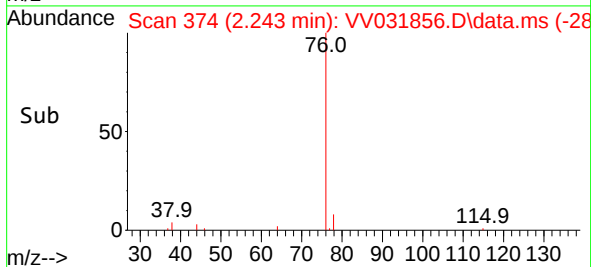
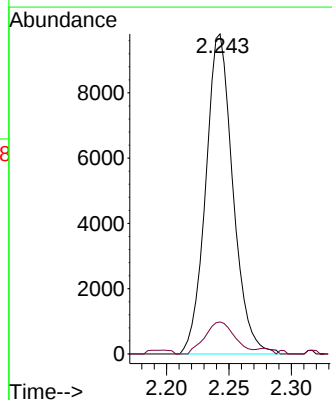
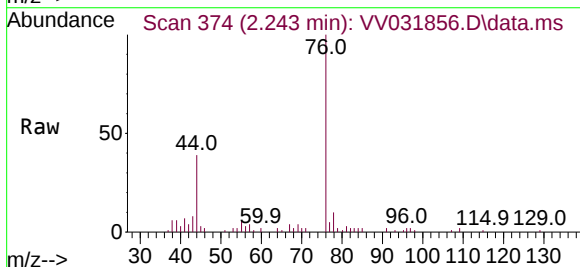
Acq: 23 Aug 2023 09:35

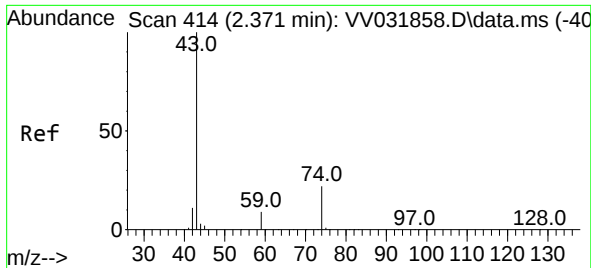
Tgt Ion: 76 Resp: 14906

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0

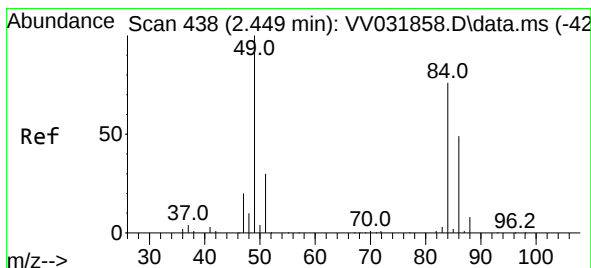
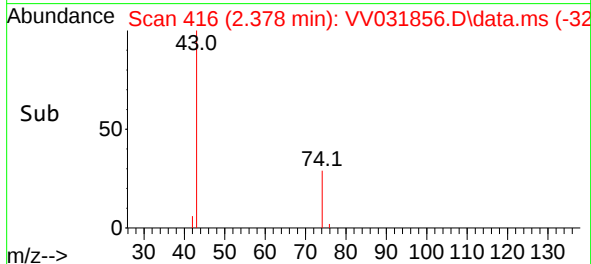
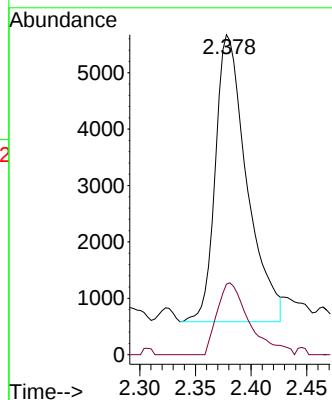
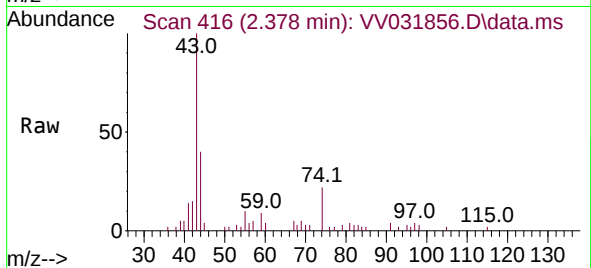




#15
Methyl Acetate
Concen: 4.586 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

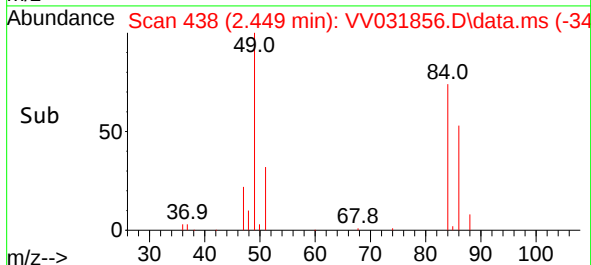
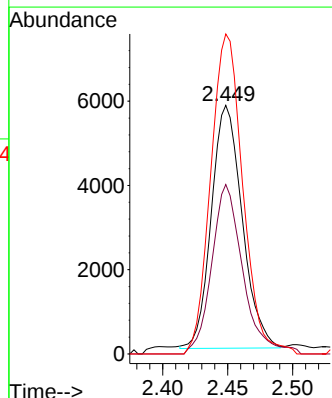
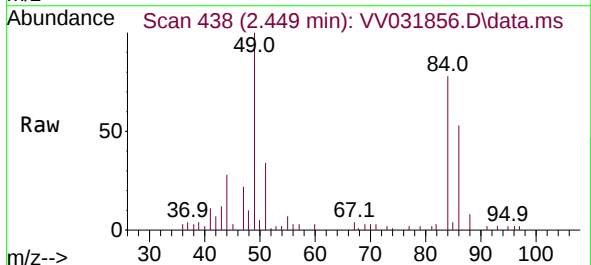
Instrument :
MSVOA_V
ClientSampleId :

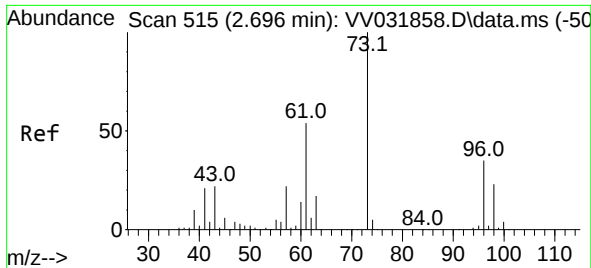
Tgt Ion: 43 Resp: 9988
Ion Ratio Lower Upper
43 100
74 25.8 17.9 26.9



#16
Methylene chloride
Concen: 4.139 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion: 84 Resp: 9529
Ion Ratio Lower Upper
84 100
86 68.2 44.6 82.8
49 128.7 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 4.421 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

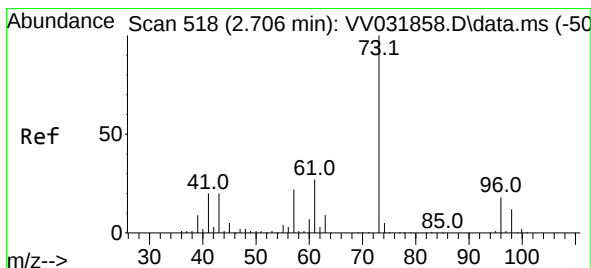
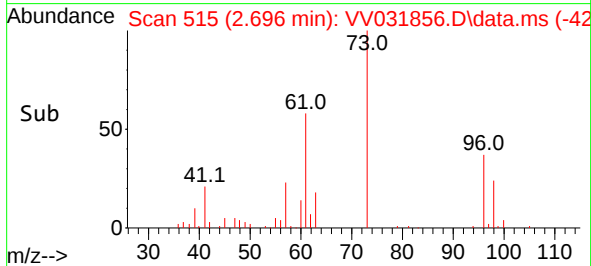
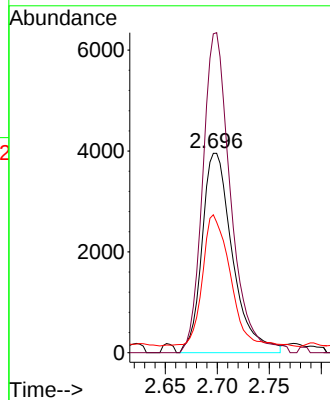
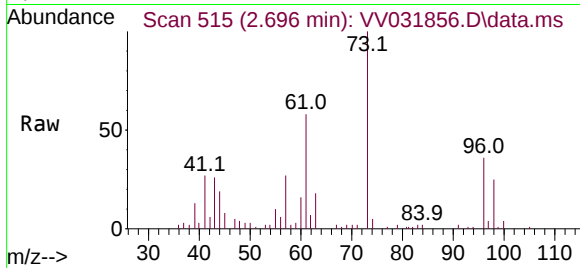
Tgt Ion: 96 Resp: 8070

Ion Ratio Lower Upper

96 100

61 159.9 107.3 199.3

98 69.1 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 4.952 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

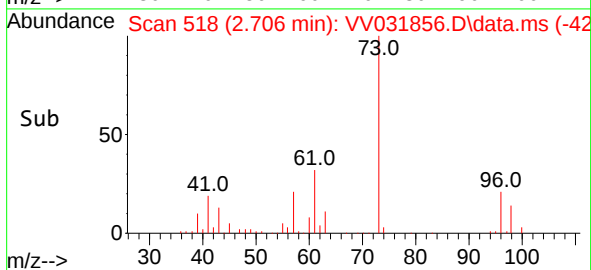
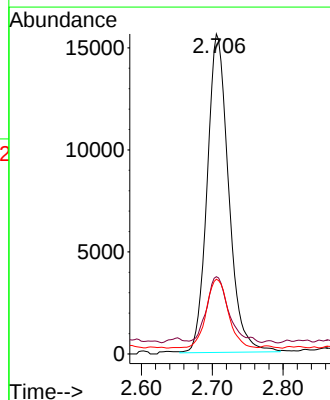
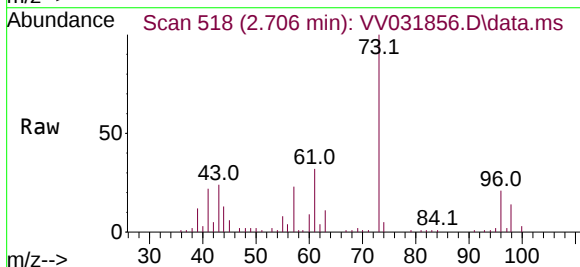
Tgt Ion: 73 Resp: 32832

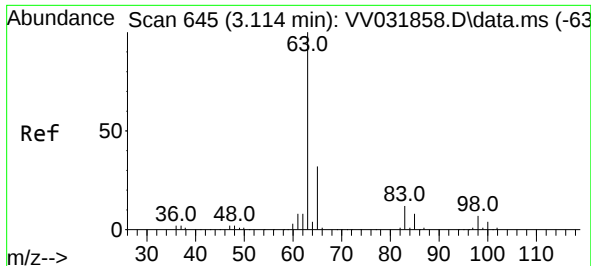
Ion Ratio Lower Upper

73 100

43 19.6 16.6 25.0

57 21.8 17.6 26.4

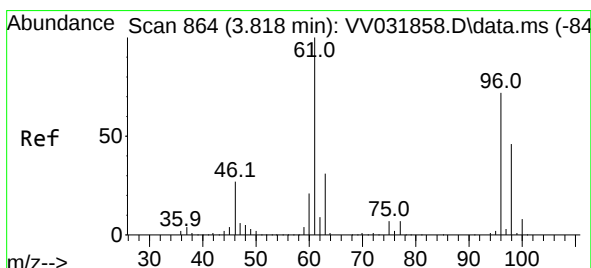
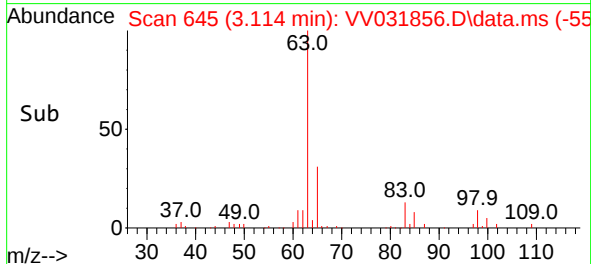
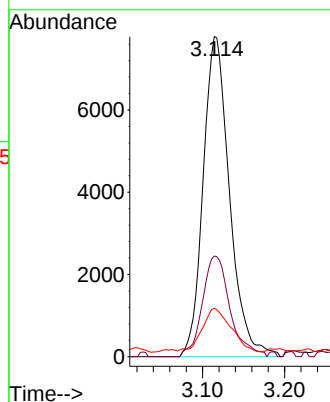
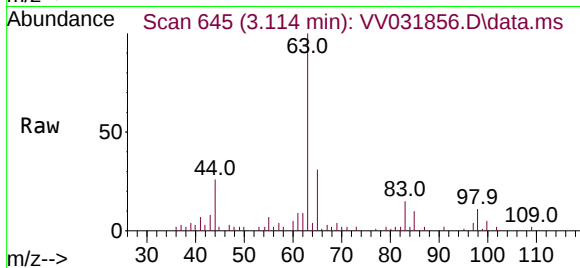




#19
 1,1-Dichloroethane
 Concen: 4.451 ug/L
 RT: 3.114 min Scan# 645
 Delta R.T. 0.000 min
 Lab File: VV031856.D
 Acq: 23 Aug 2023 09:35

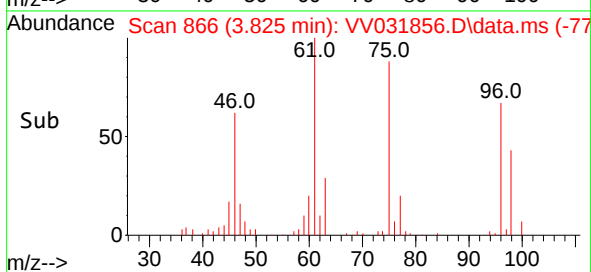
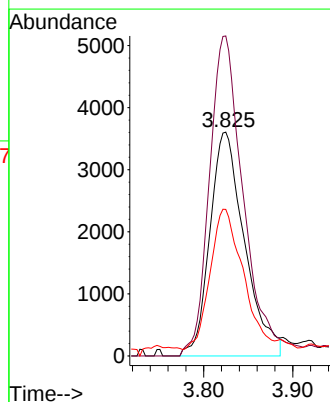
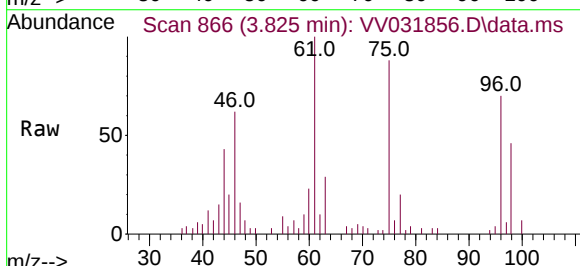
Instrument :
 MSVOA_V
 ClientSampleId :

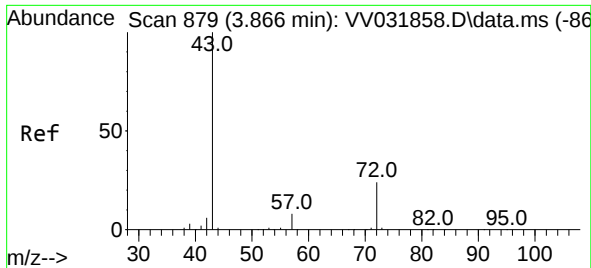
Tgt Ion:	63	Resp:	17442
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.4	41.6
83	15.1	8.7	16.1



#20
 cis-1,2-Dichloroethene
 Concen: 4.434 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.006 min
 Lab File: VV031856.D
 Acq: 23 Aug 2023 09:35

Tgt Ion:	96	Resp:	9733
Ion	Ratio	Lower	Upper
96	100		
61	143.0	97.3	180.7
98	65.5	45.3	84.1





#22

2-Butanone

Concen: 0.059 ug/L

RT: 4.066 min Scan# 94

Delta R.T. 0.199 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

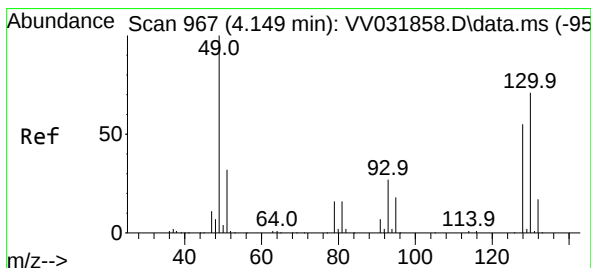
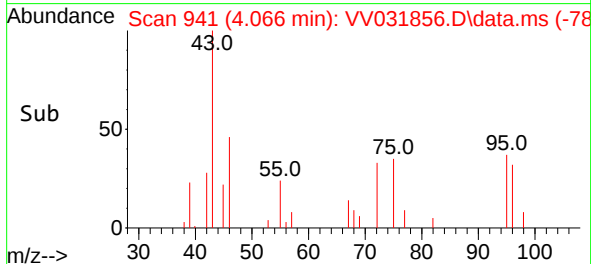
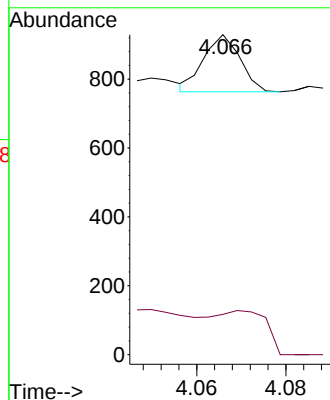
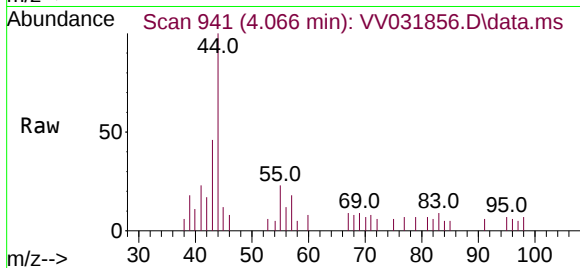
ClientSampleId :

Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

72 20.2 12.6 37.8



#23

Bromochloromethane

Concen: 4.131 ug/L

RT: 4.159 min Scan# 970

Delta R.T. 0.010 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Tgt Ion: 128 Resp: 4717

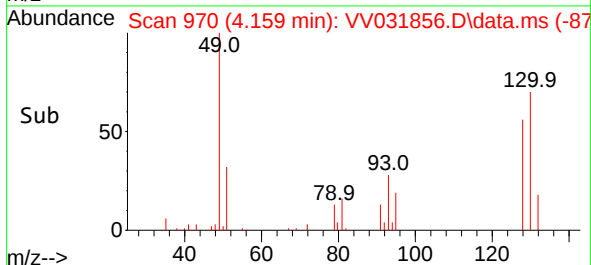
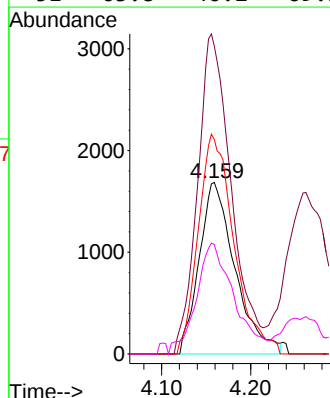
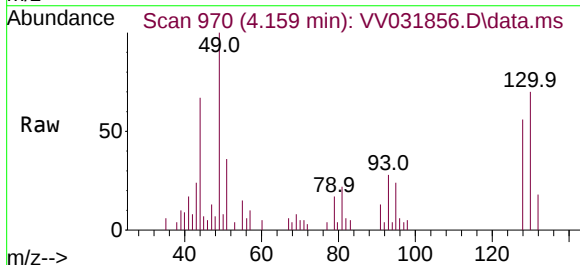
Ion Ratio Lower Upper

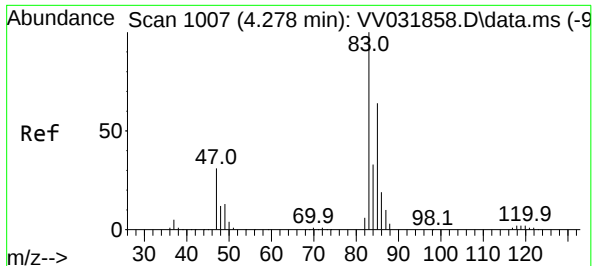
128 100

49 179.6 127.8 237.4

130 125.1 90.1 167.3

51 63.8 46.2 69.2





#25

Chloroform

Concen: 4.209 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

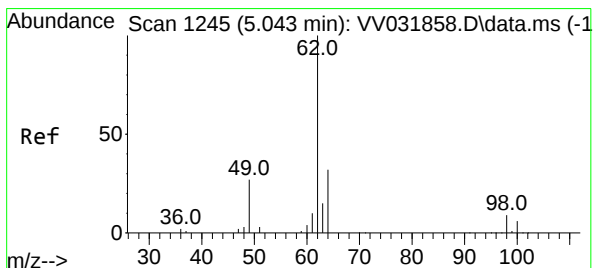
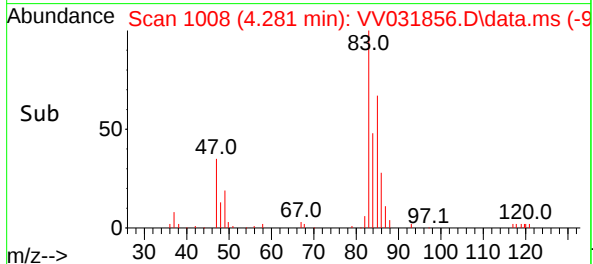
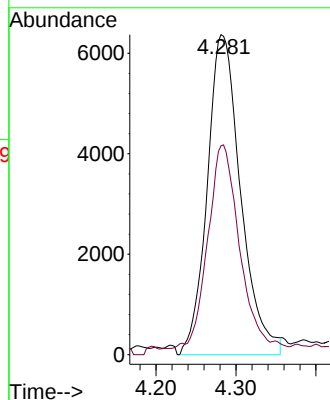
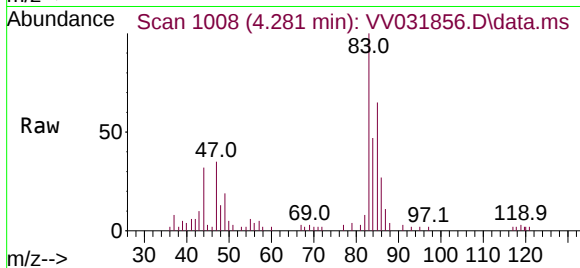
ClientSampleId :

Tgt Ion: 83 Resp: 18523

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 4.270 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.010 min

Lab File: VV031856.D

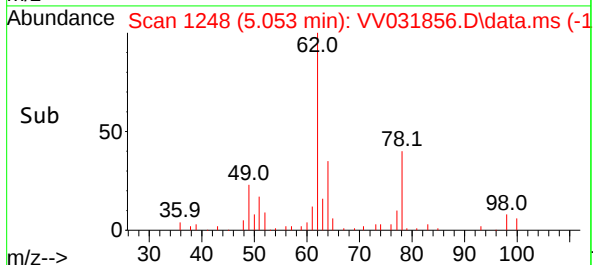
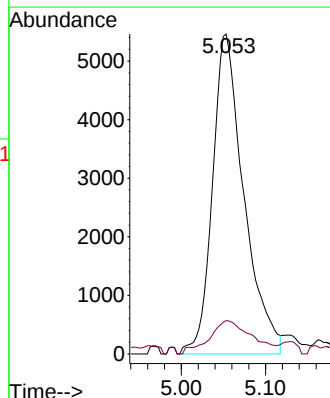
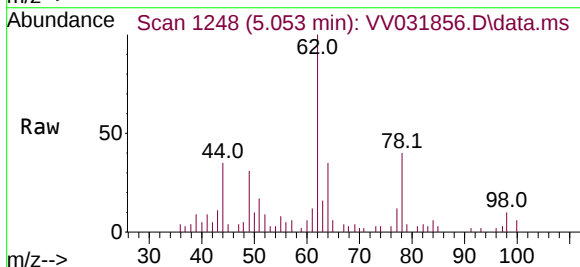
Acq: 23 Aug 2023 09:35

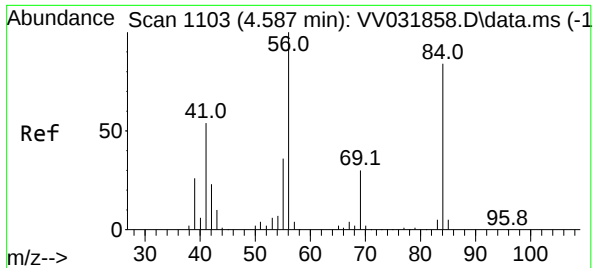
Tgt Ion: 62 Resp: 14117

Ion Ratio Lower Upper

62 100

98 10.4 7.0 10.4

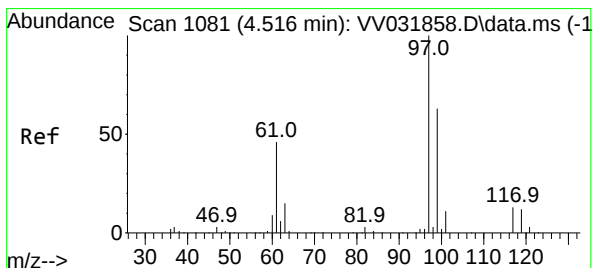
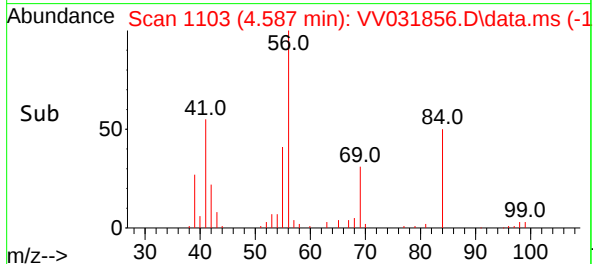
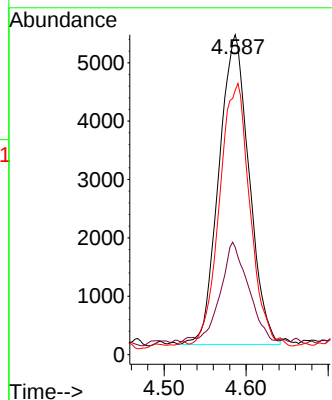
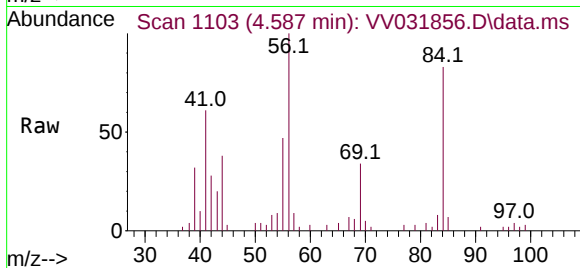




#29
Cyclohexane
Concen: 4.864 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

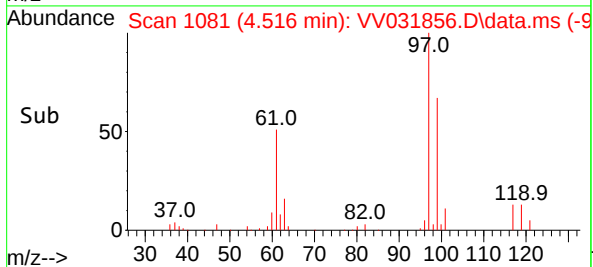
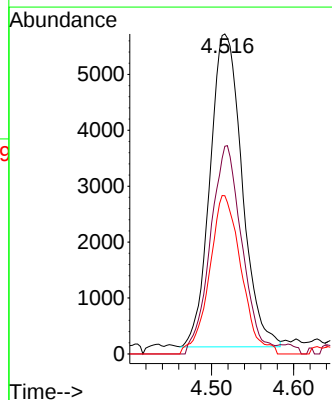
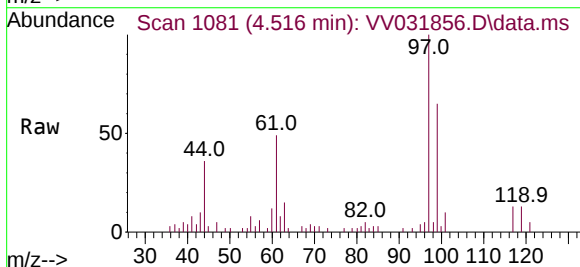
Instrument :
MSVOA_V
ClientSampleId :

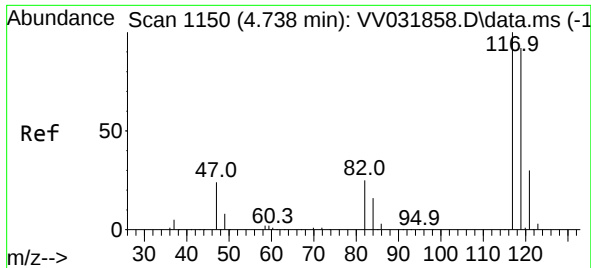
Tgt Ion: 56 Resp: 13592
Ion Ratio Lower Upper
56 100
69 28.4 24.2 36.4
84 83.4 67.5 101.3



#30
1,1,1-Trichloroethane
Concen: 3.737 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion: 97 Resp: 15195
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.4
61 49.3 36.5 54.7

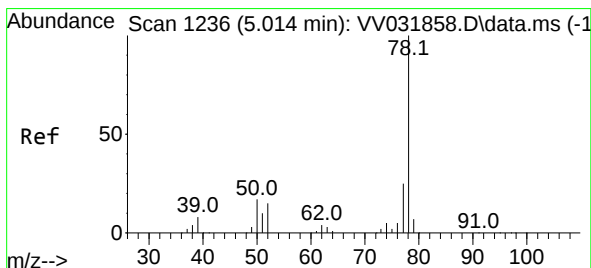
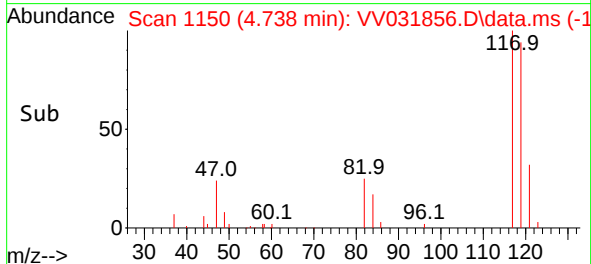
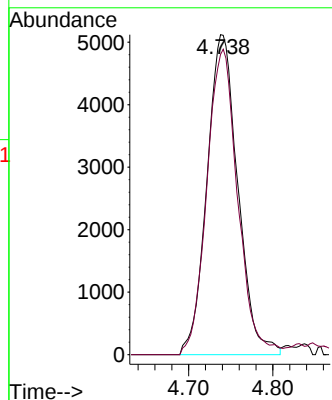
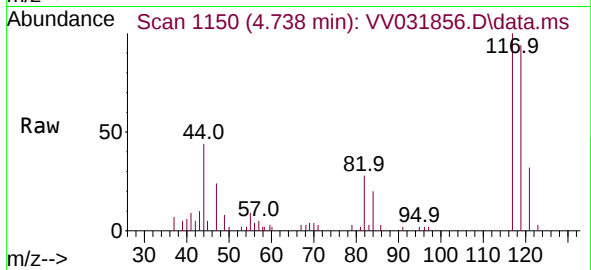




#31
Carbon tetrachloride
Concen: 3.538 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

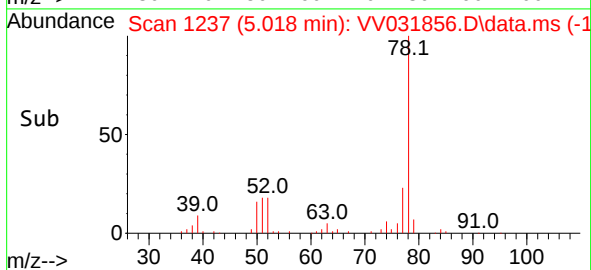
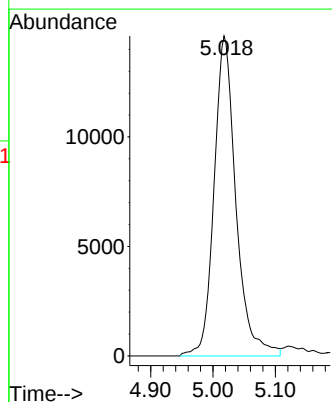
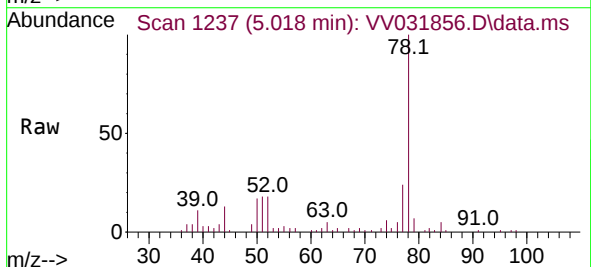
Instrument :
MSVOA_V
ClientSampleId :

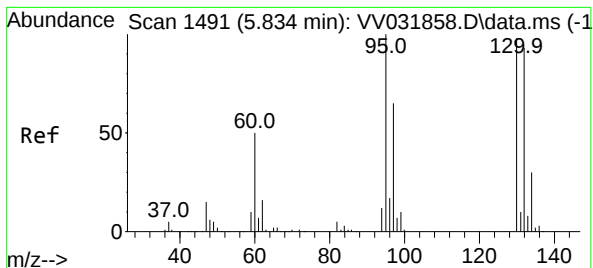
Tgt Ion:117 Resp: 13043
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.2



#33
Benzene
Concen: 4.367 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion: 78 Resp: 35611





#34

Trichloroethene

Concen: 4.140 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 11165

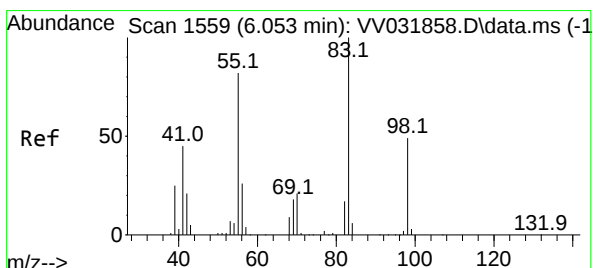
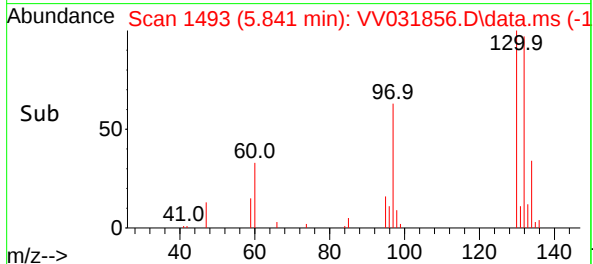
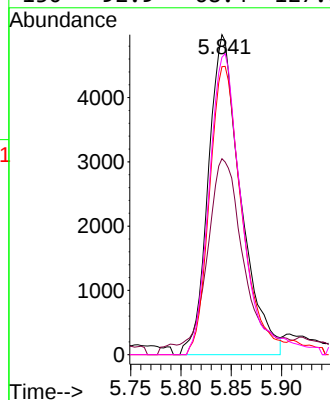
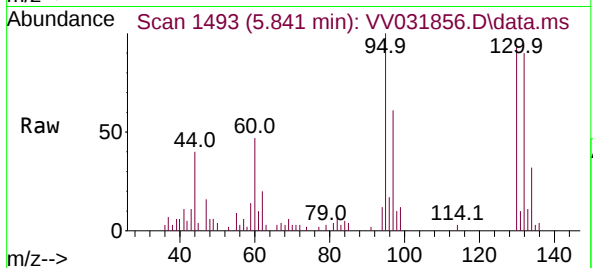
Ion Ratio Lower Upper

95 100

97 61.2 45.4 84.2

132 90.0 65.4 121.4

130 92.9 68.4 127.0



#35

Methylcyclohexane

Concen: 4.285 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

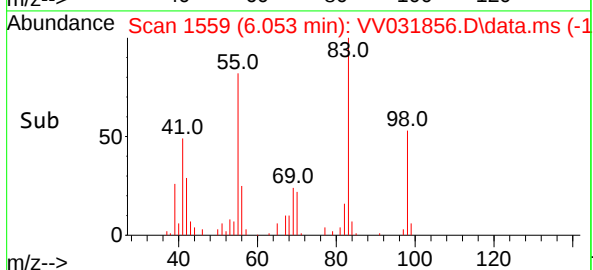
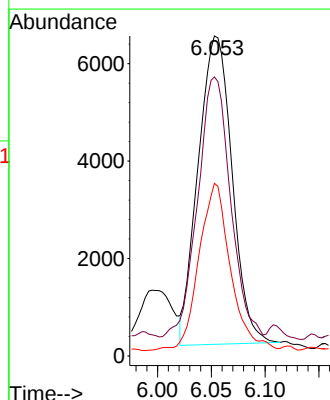
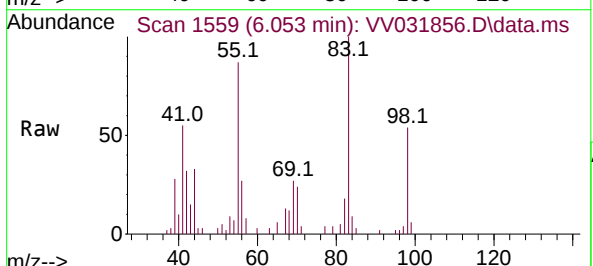
Tgt Ion: 83 Resp: 13884

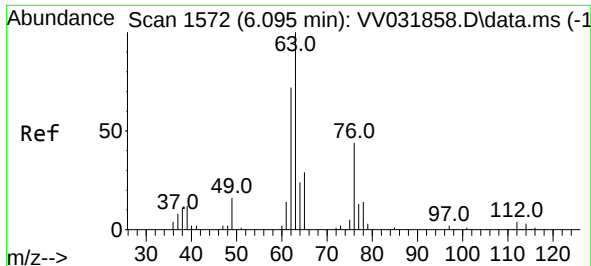
Ion Ratio Lower Upper

83 100

55 81.7 62.2 93.2

98 47.2 36.7 55.1





#37

1,2-Dichloropropane

Concen: 3.922 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

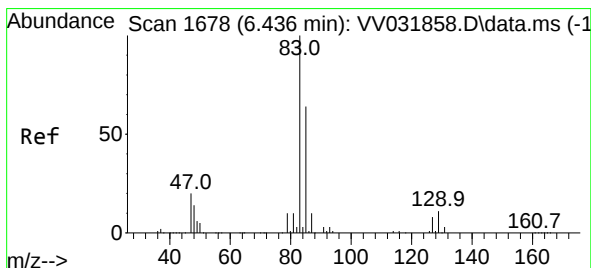
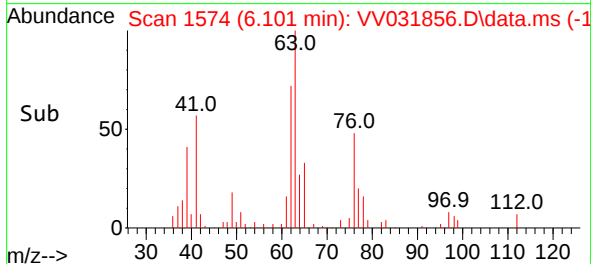
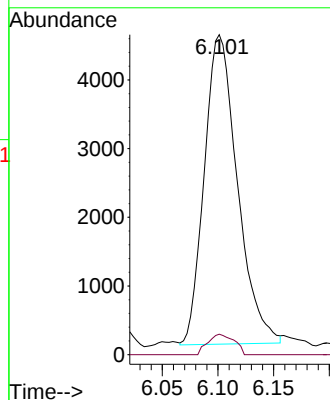
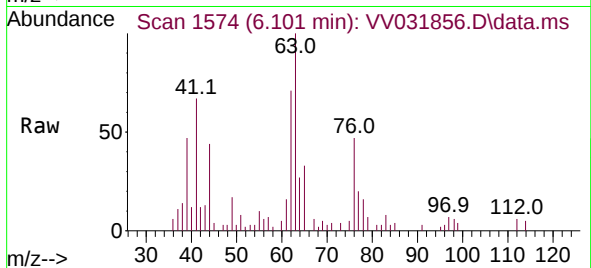
ClientSampleId :

Tgt Ion: 63 Resp: 9326

Ion Ratio Lower Upper

63 100

112 5.2 3.5 5.3



#38

Bromodichloromethane

Concen: 4.021 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.006 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

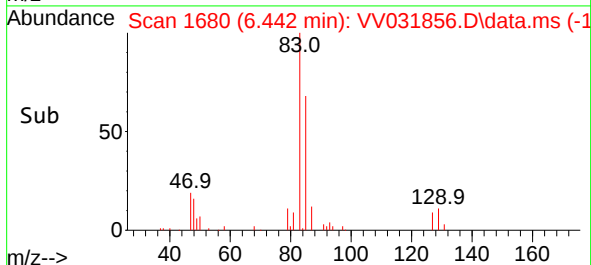
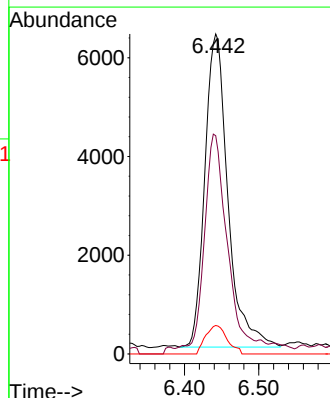
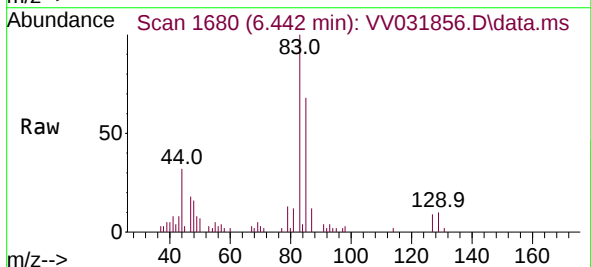
Tgt Ion: 83 Resp: 13692

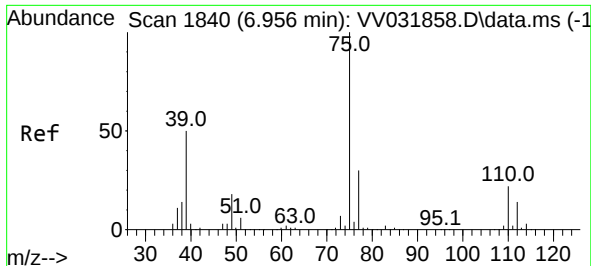
Ion Ratio Lower Upper

83 100

85 68.2 45.2 84.0

127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.534 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

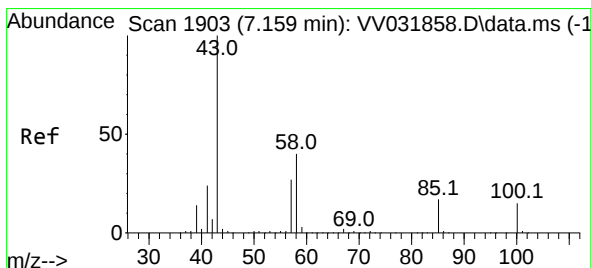
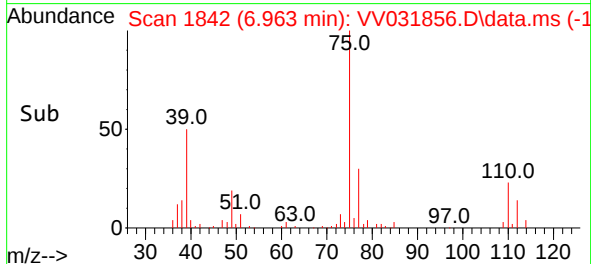
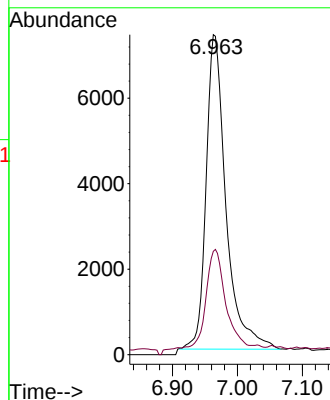
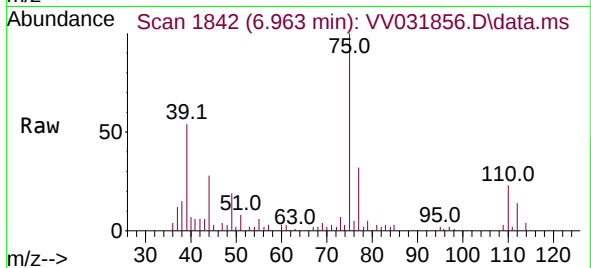
ClientSampleId :

Tgt Ion: 75 Resp: 15690

Ion Ratio Lower Upper

75 100

77 32.3 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 10.082 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.010 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

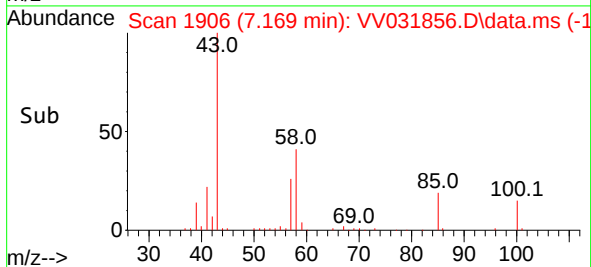
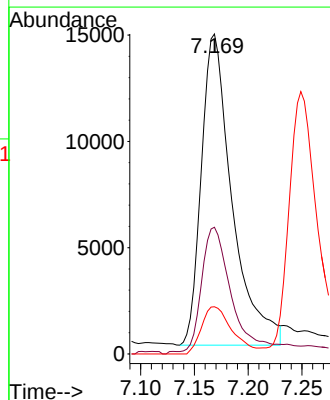
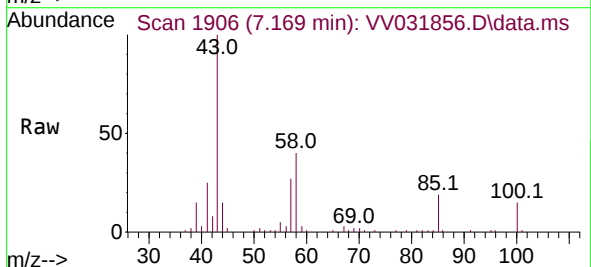
Tgt Ion: 43 Resp: 29143

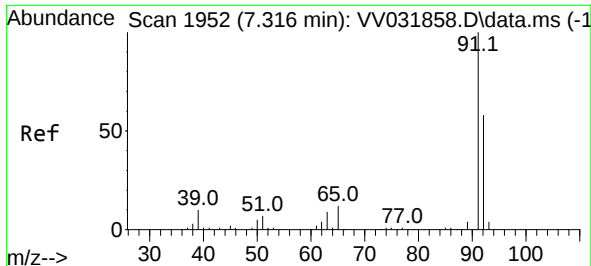
Ion Ratio Lower Upper

43 100

58 38.0 31.1 46.7

100 15.0 11.9 17.9





#42

Toluene

Concen: 4.471 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

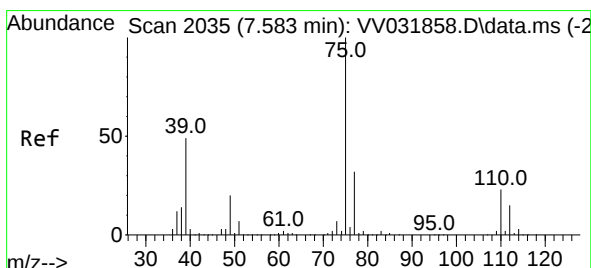
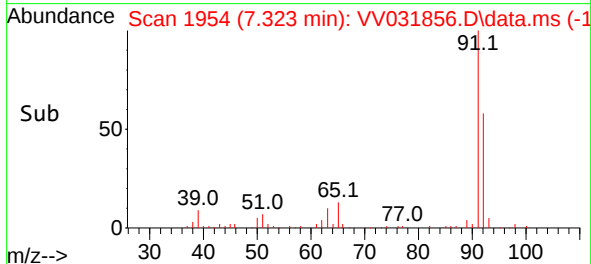
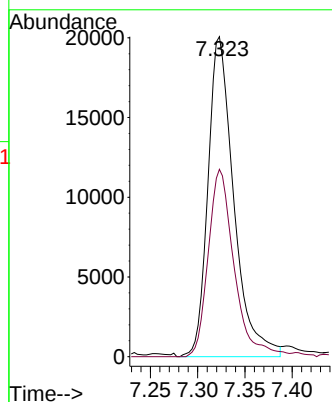
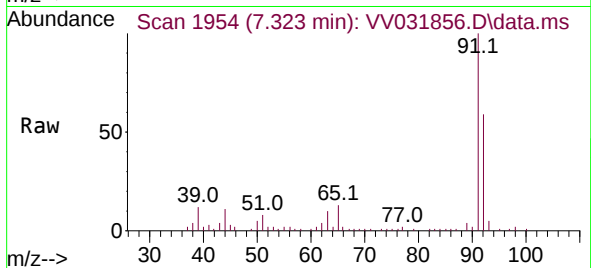
ClientSampleId :

Tgt Ion: 91 Resp: 38118

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.662 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV031856.D

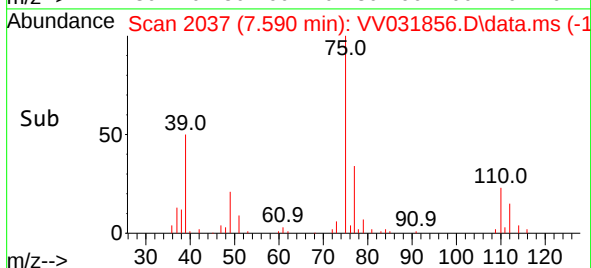
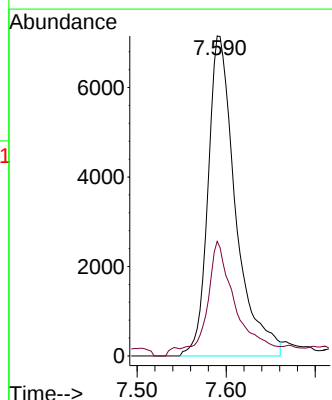
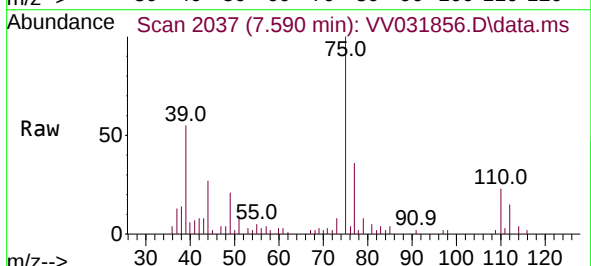
Acq: 23 Aug 2023 09:35

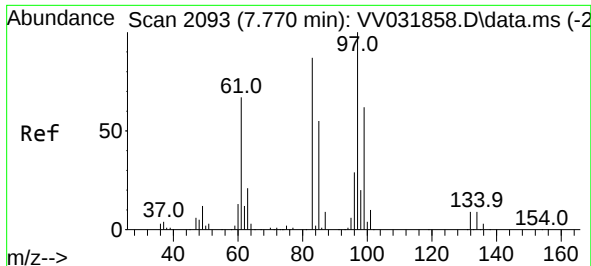
Tgt Ion: 75 Resp: 15397

Ion Ratio Lower Upper

75 100

77 35.8 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 4.285 ug/L

RT: 7.776 min Scan# 2093

Delta R.T. 0.006 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 9702

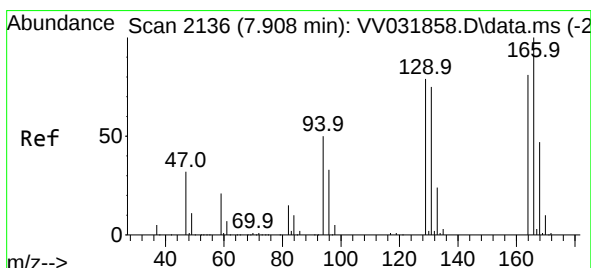
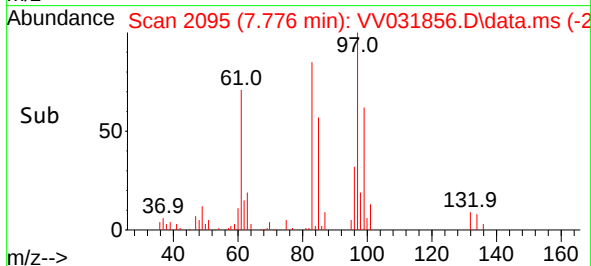
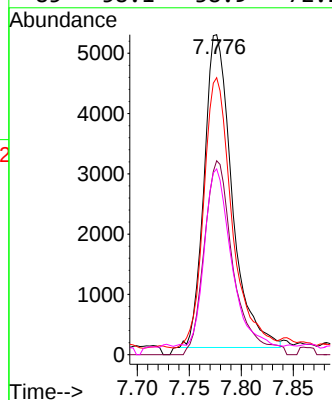
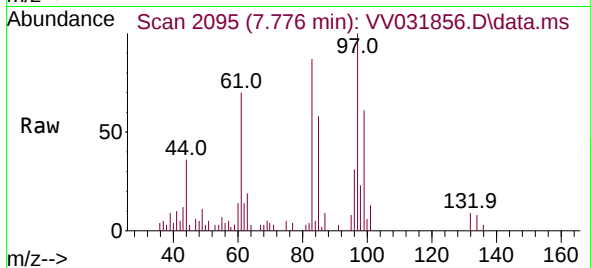
Ion Ratio Lower Upper

97 100

99 60.6 43.0 79.8

83 86.5 61.2 113.6

85 58.1 38.9 72.2



#46

Tetrachloroethene

Concen: 4.009 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Tgt Ion: 164 Resp: 6816

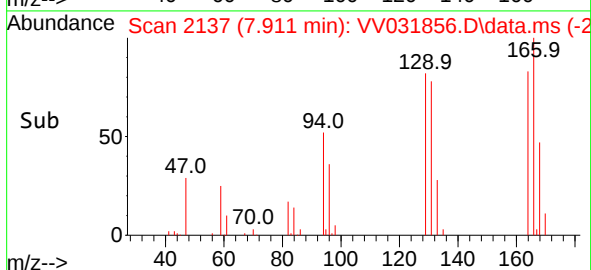
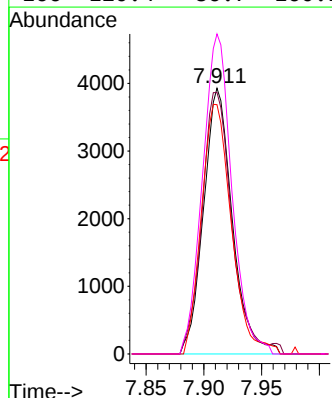
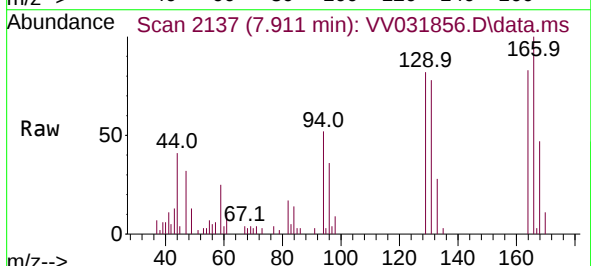
Ion Ratio Lower Upper

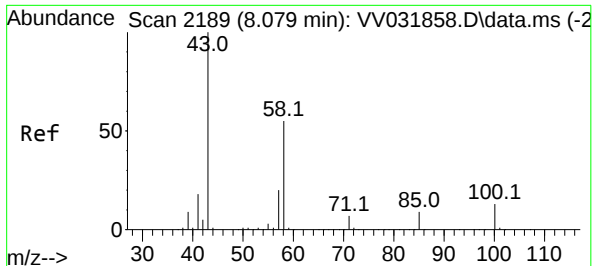
164 100

129 98.4 68.3 126.9

131 93.8 64.9 120.5

166 120.4 86.7 160.9

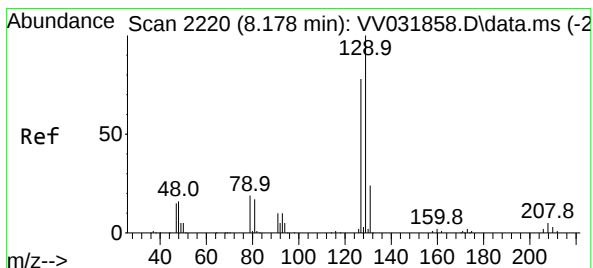
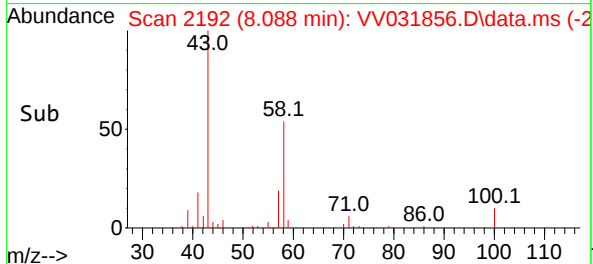
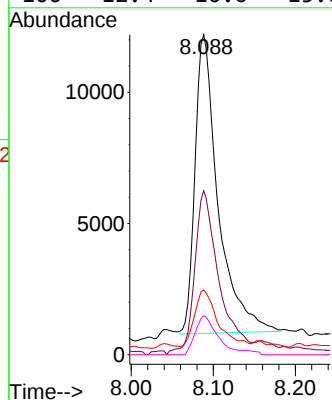
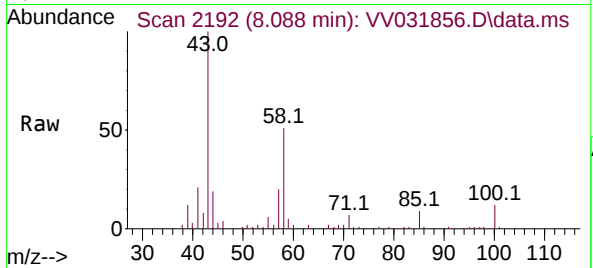




#48
2-Hexanone
Concen: 10.194 ug/L
RT: 8.088 min Scan# 2189
Delta R.T. 0.010 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

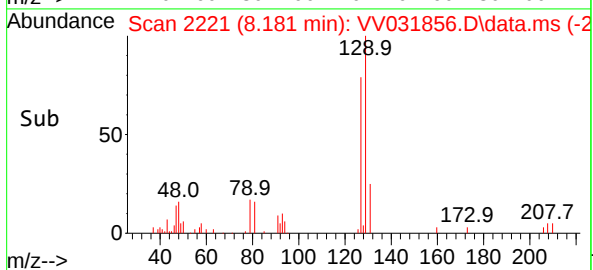
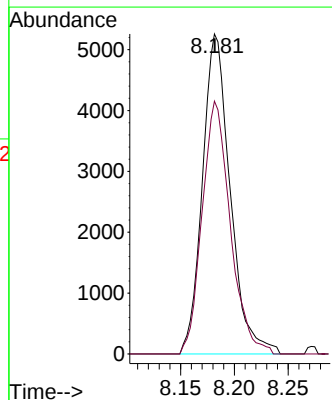
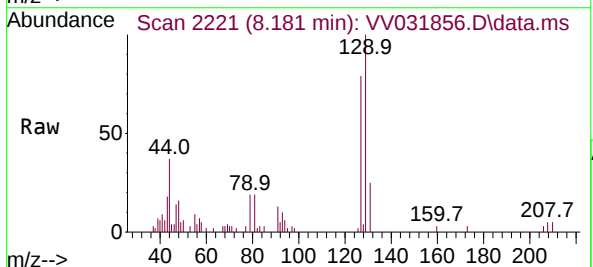
Instrument :
MSVOA_V
ClientSampleId :

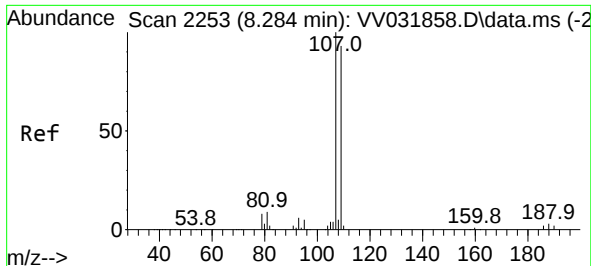
Tgt Ion: 43	Resp: 22306
Ion Ratio	Lower Upper
43 100	
58 58.2	44.0 66.0
57 18.6	15.9 23.9
100 12.4	10.0 15.0



#49
Dibromochloromethane
Concen: 3.519 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion:129	Resp:	9431	
Ion	Ratio	Lower	Upper
129	100		
127	79.0	54.7	101.7





#50

1,2-Dibromoethane

Concen: 4.038 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV031856.D

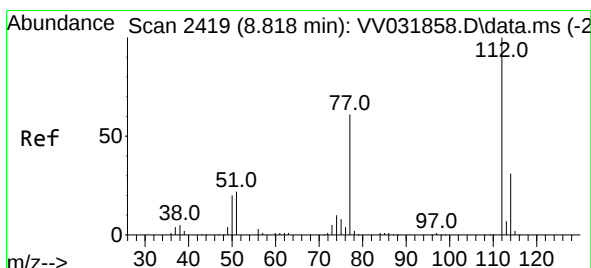
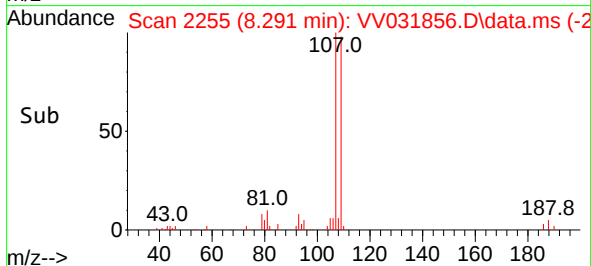
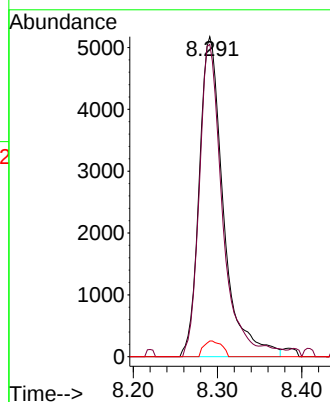
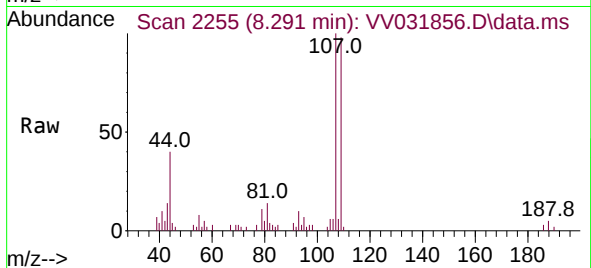
Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	10367
Ion	Ratio	Lower	Upper
107	100		
109	97.6	65.4	121.4
188	4.9	2.8	4.2#



#51

Chlorobenzene

Concen: 4.319 ug/L

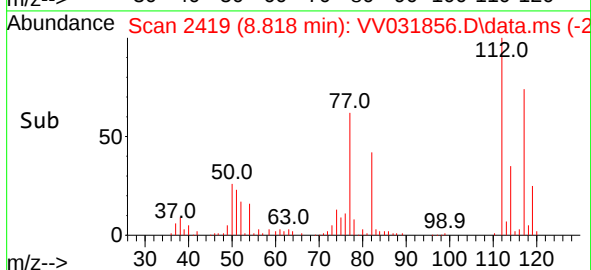
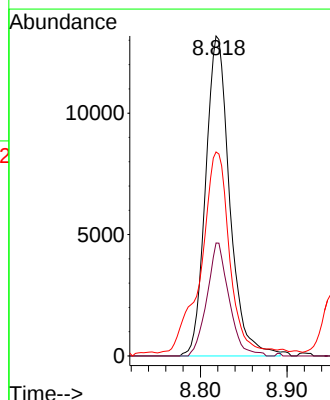
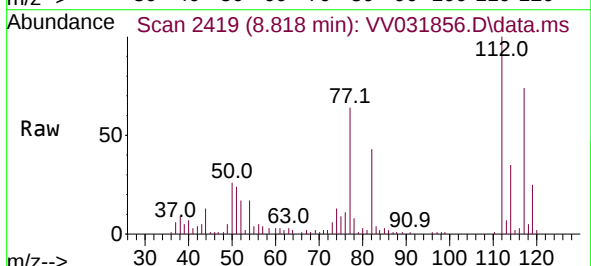
RT: 8.818 min Scan# 2419

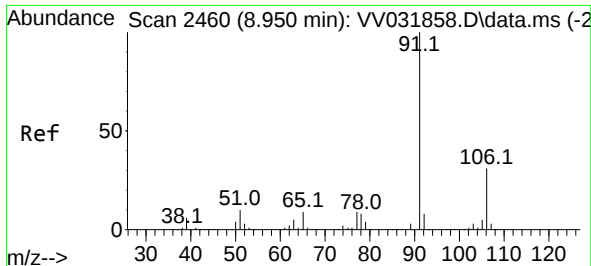
Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Tgt Ion:	112	Resp:	25389
Ion	Ratio	Lower	Upper
112	100		
114	35.3	22.0	40.8
77	63.8	49.4	74.0





#52

Ethylbenzene

Concen: 4.669 ug/L

RT: 8.950 min Scan# 24

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

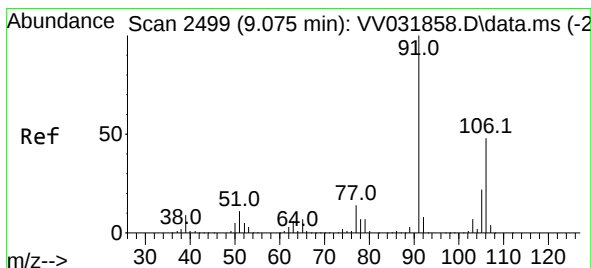
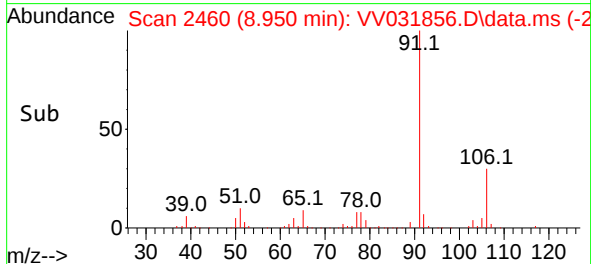
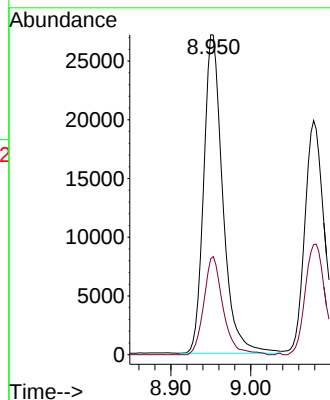
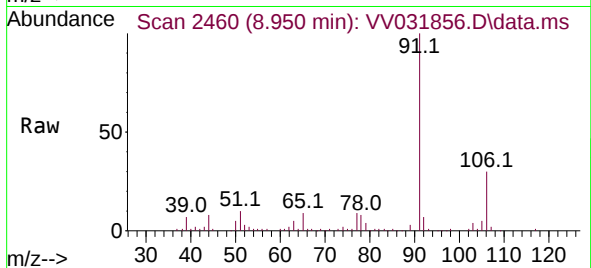
ClientSampleId :

Tgt Ion: 91 Resp: 45024

Ion Ratio Lower Upper

91 100

106 30.0 21.5 39.9



#53

m,p-Xylene

Concen: 4.948 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.006 min

Lab File: VV031856.D

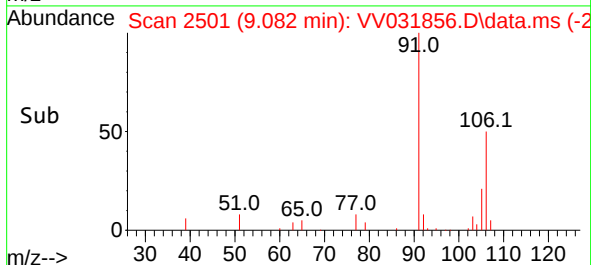
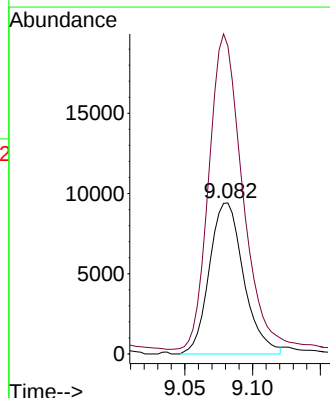
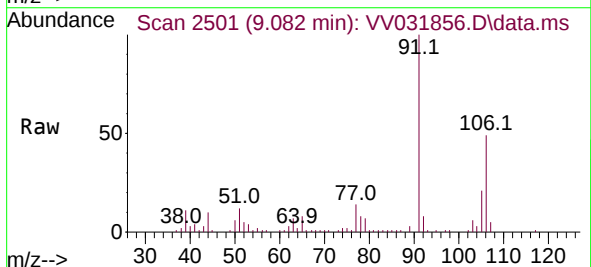
Acq: 23 Aug 2023 09:35

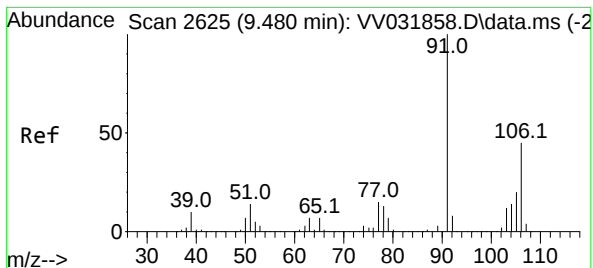
Tgt Ion: 106 Resp: 16598

Ion Ratio Lower Upper

106 100

91 203.9 147.0 273.0





#54

o-Xylene

Concen: 5.308 ug/L

RT: 9.484 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

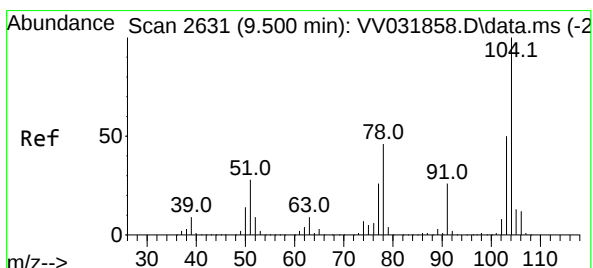
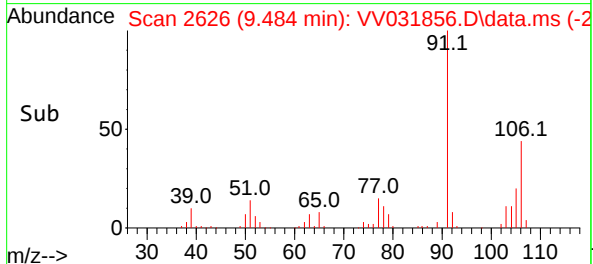
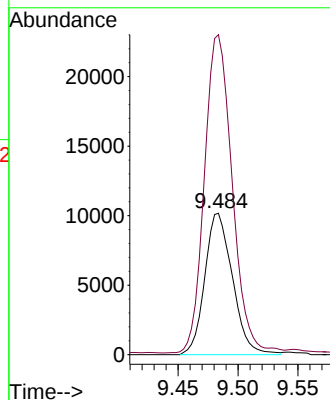
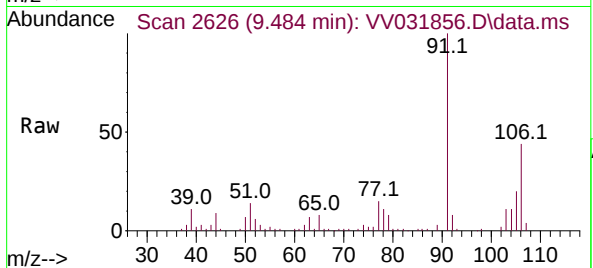
ClientSampleId :

Tgt Ion:106 Resp: 16342

Ion Ratio Lower Upper

106 100

91 226.2 154.3 286.5



#55

Styrene

Concen: 5.244 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.003 min

Lab File: VV031856.D

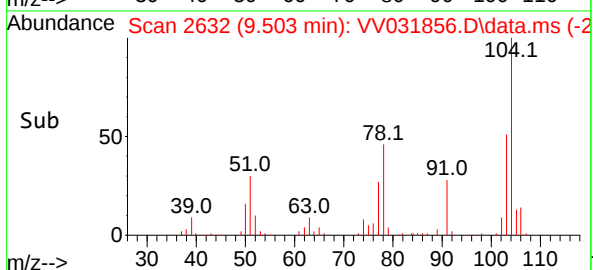
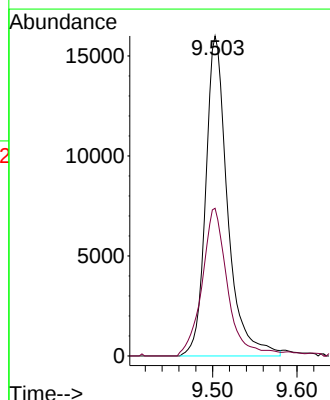
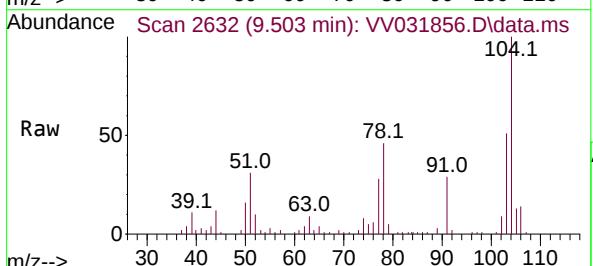
Acq: 23 Aug 2023 09:35

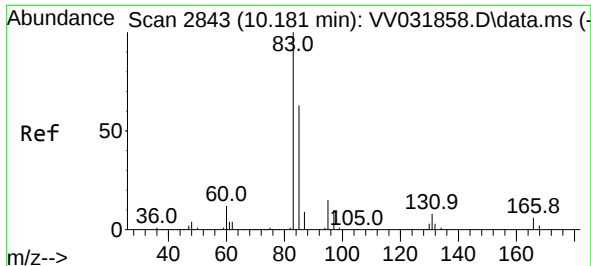
Tgt Ion:104 Resp: 28928

Ion Ratio Lower Upper

104 100

78 46.1 32.3 59.9

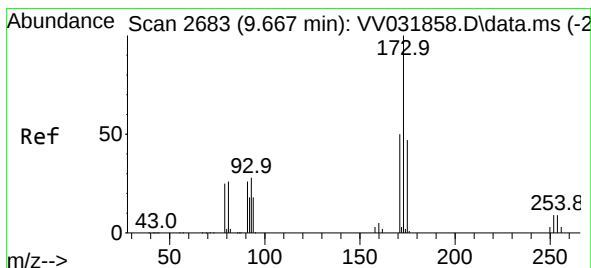
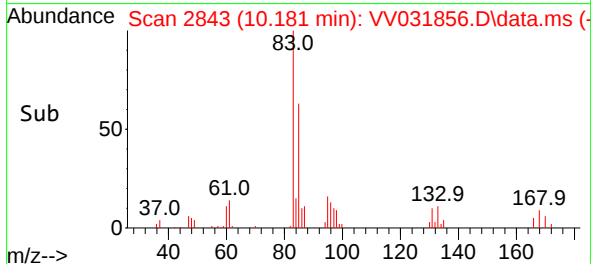
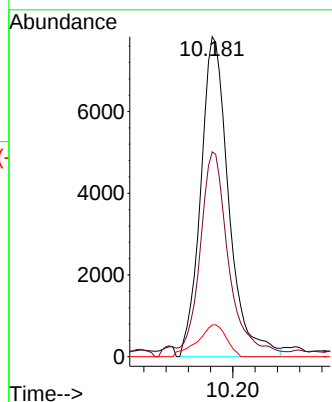
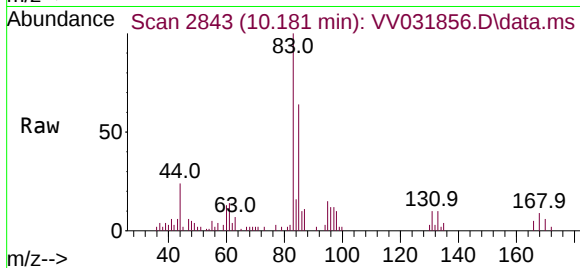




#57
1,1,2,2-Tetrachloroethane
Concen: 4.383 ug/L
RT: 10.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

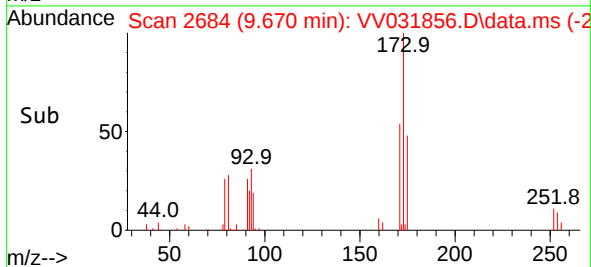
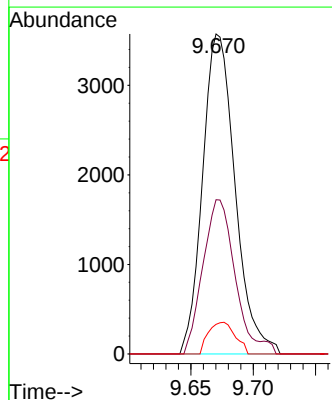
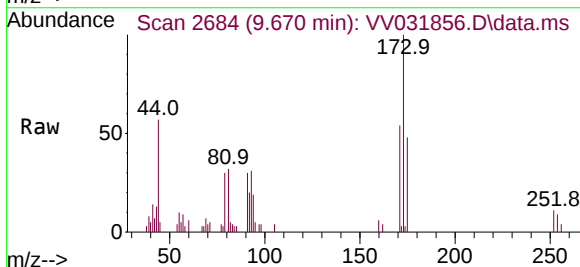
Instrument :
MSVOA_V
ClientSampleId :

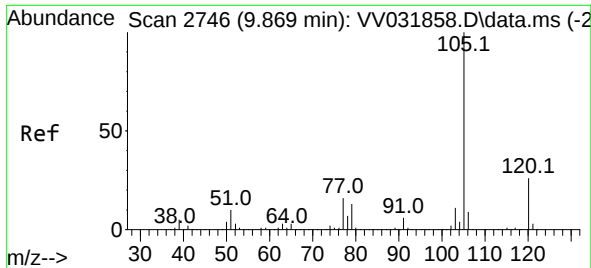
Tgt Ion: 83 Resp: 13701
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9
131 9.9 7.4 11.2



#59
Bromoform
Concen: 3.771 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion: 173 Resp: 6486
Ion Ratio Lower Upper
173 100
175 46.7 38.3 57.5
254 8.2 6.9 10.3

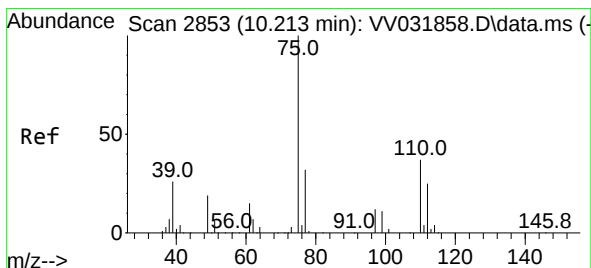
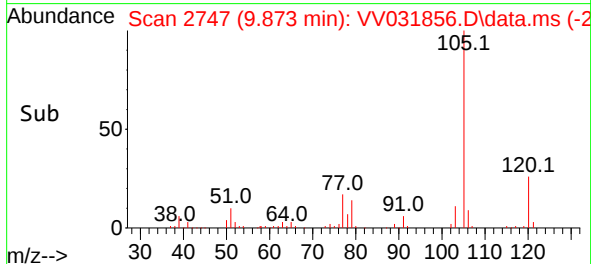
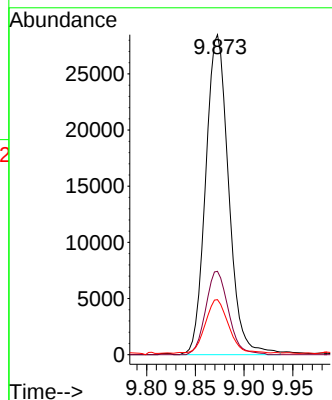
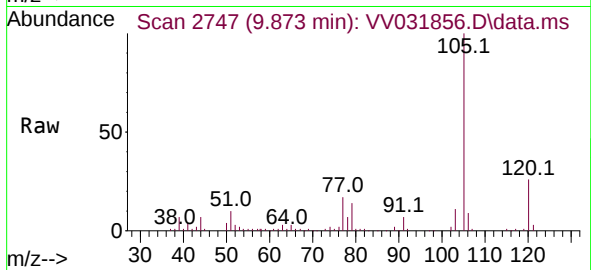




#60
Isopropylbenzene
Concen: 5.562 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

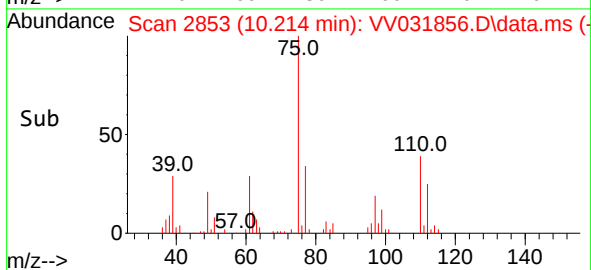
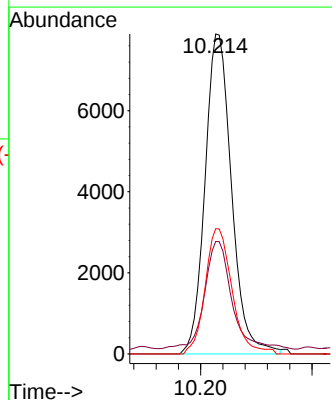
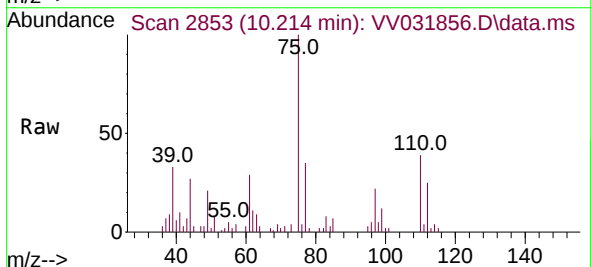
Instrument :
MSVOA_V
ClientSampleId :

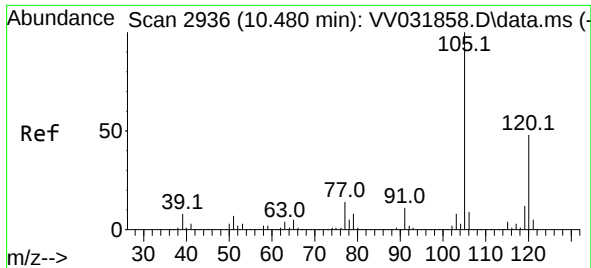
Tgt Ion:105 Resp: 46703
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.6 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 4.607 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion: 75 Resp: 13055
Ion Ratio Lower Upper
75 100
77 30.5 25.7 38.5
110 39.4 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 5.836 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

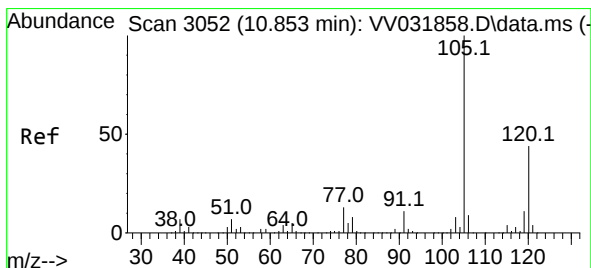
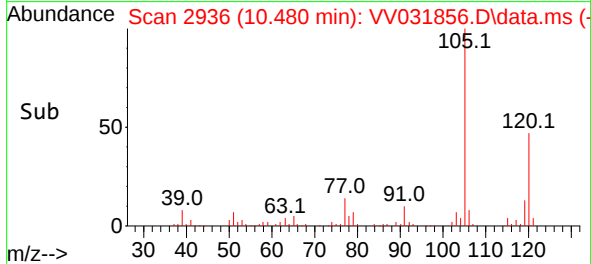
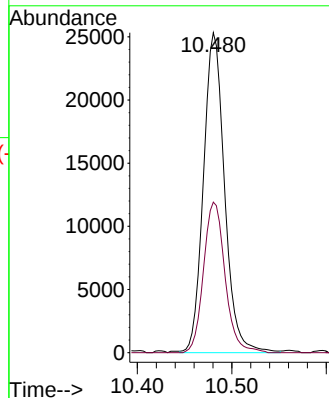
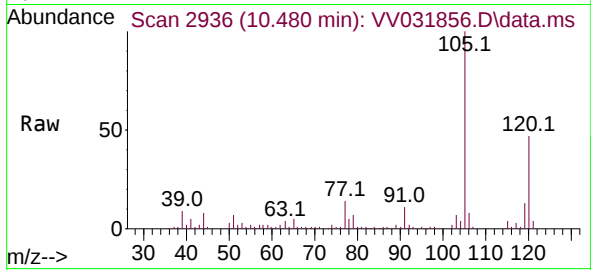
ClientSampleId :

Tgt Ion:105 Resp: 39411

Ion Ratio Lower Upper

105 100

120 47.8 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 5.713 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV031856.D

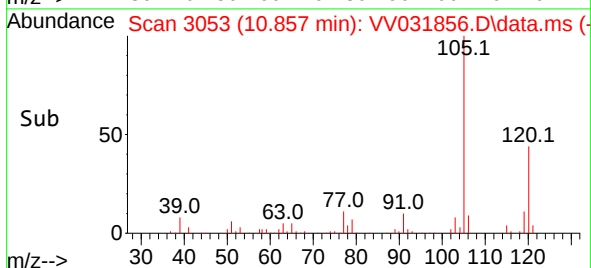
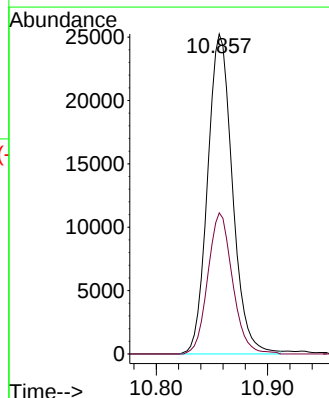
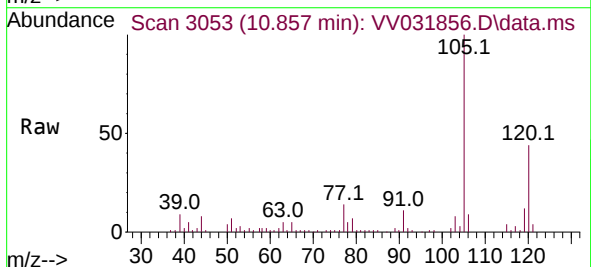
Acq: 23 Aug 2023 09:35

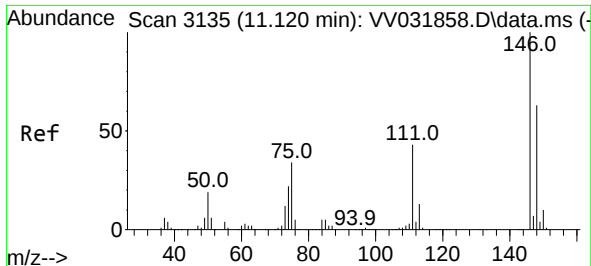
Tgt Ion:105 Resp: 39144

Ion Ratio Lower Upper

105 100

120 43.7 35.9 53.9

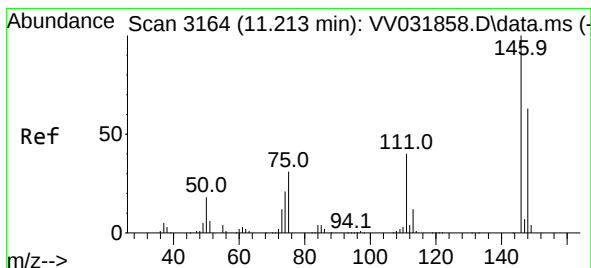
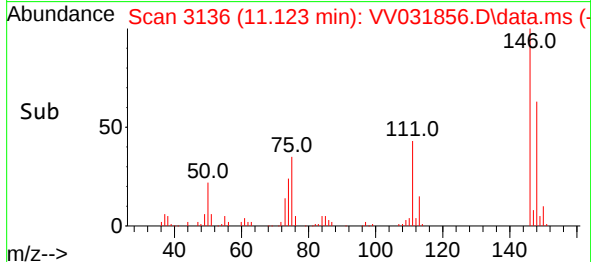
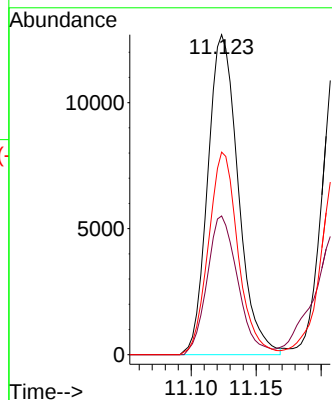
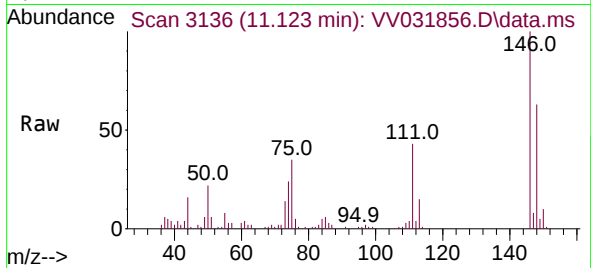




#64
1,3-Dichlorobenzene
Concen: 4.581 ug/L
RT: 11.123 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

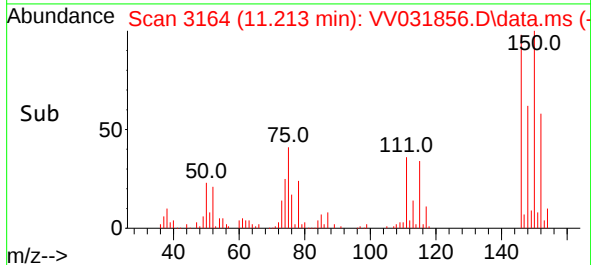
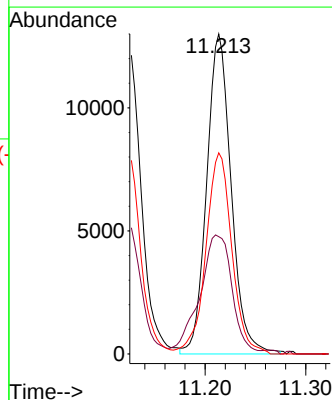
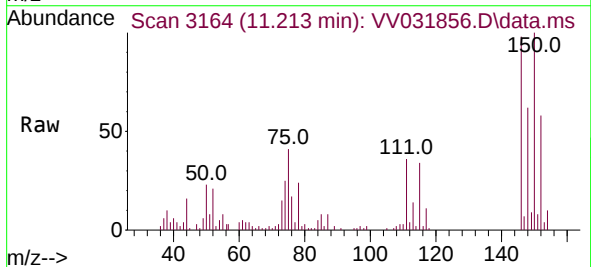
Instrument :
MSVOA_V
ClientSampleId :

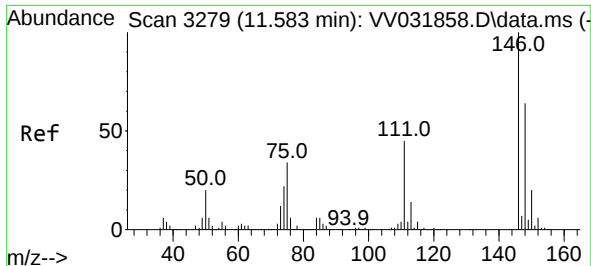
Tgt Ion:146 Resp: 20689
Ion Ratio Lower Upper
146 100
111 43.4 30.2 56.0
148 63.3 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 4.651 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031856.D
Acq: 23 Aug 2023 09:35

Tgt Ion:146 Resp: 21971
Ion Ratio Lower Upper
146 100
111 36.7 28.5 52.9
148 62.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 4.514 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

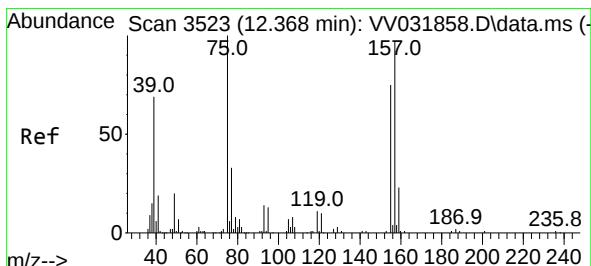
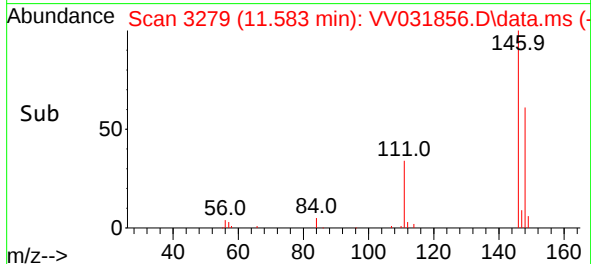
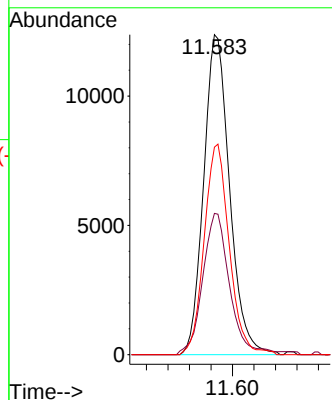
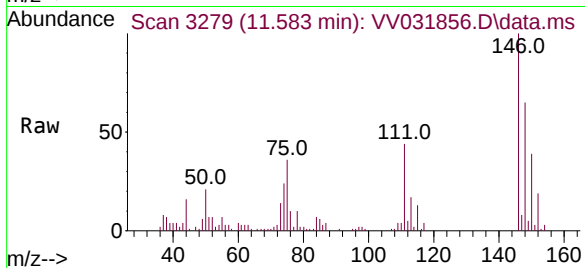
Tgt Ion:146 Resp: 20721

Ion Ratio Lower Upper

146 100

111 44.1 35.8 53.6

148 64.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.210 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

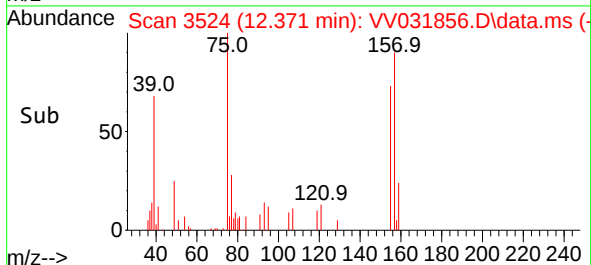
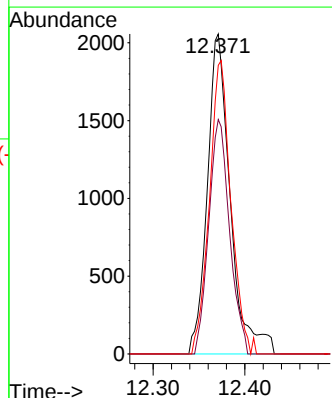
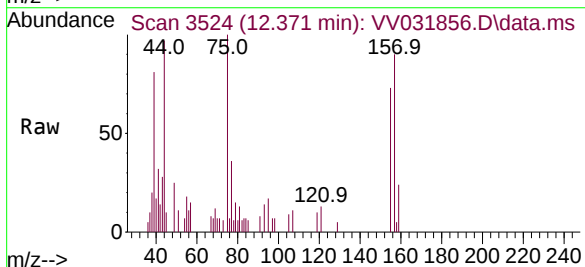
Tgt Ion: 75 Resp: 3577

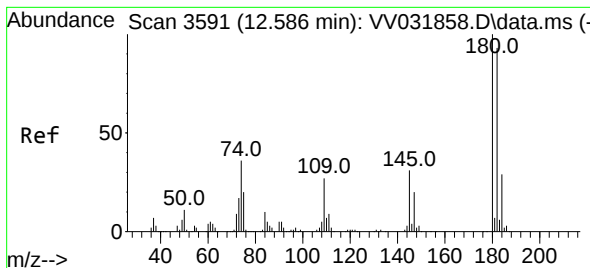
Ion Ratio Lower Upper

75 100

155 73.3 60.1 90.1

157 90.2 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.003 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 15022

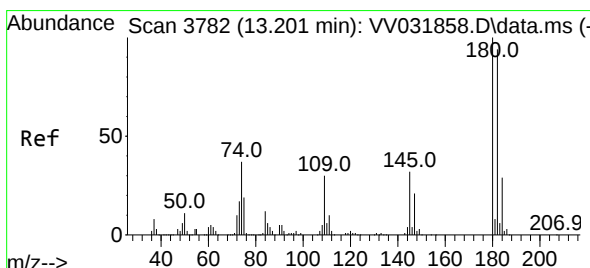
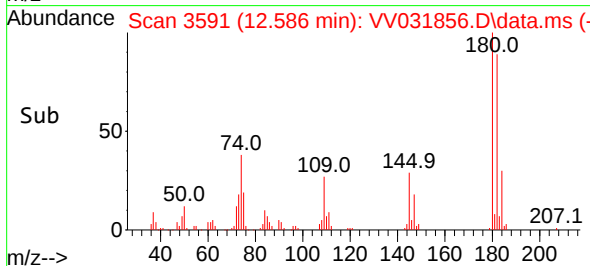
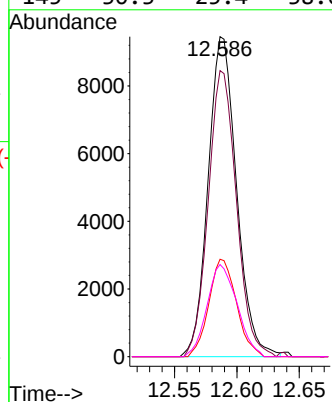
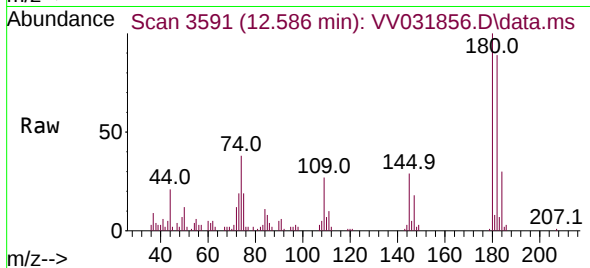
Ion Ratio Lower Upper

180 100

182 88.5 75.4 113.2

184 29.6 23.7 35.5

145 30.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 3.689 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

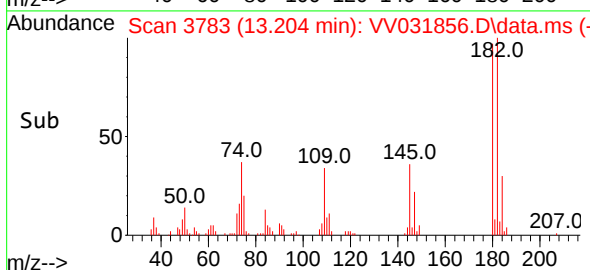
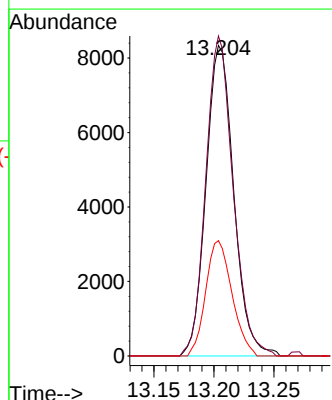
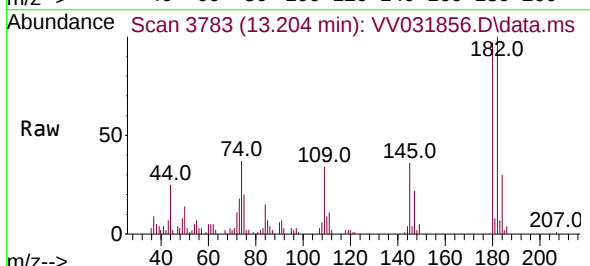
Tgt Ion:180 Resp: 13433

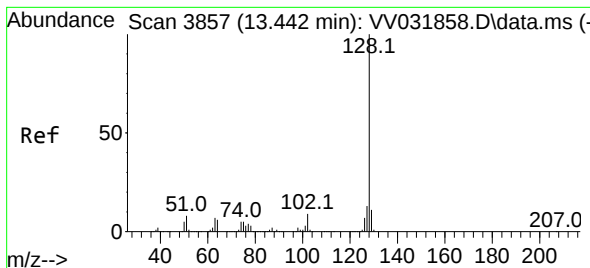
Ion Ratio Lower Upper

180 100

182 101.4 75.4 113.2

145 35.0 26.0 39.0





#71

Naphthalene

Concen: 3.724 ug/L

RT: 13.445 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV031856.D

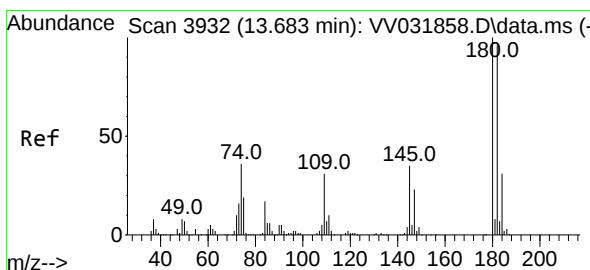
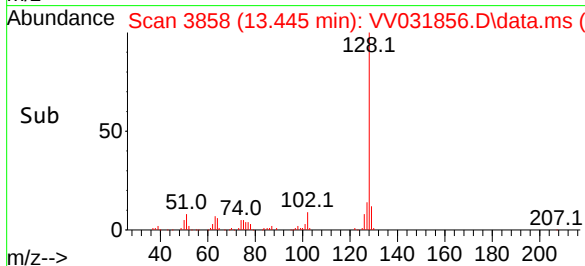
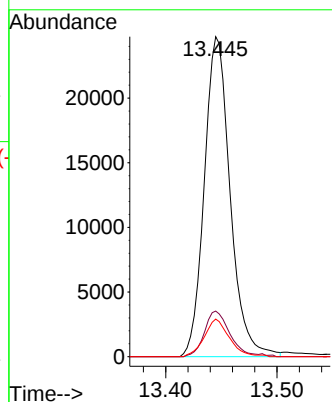
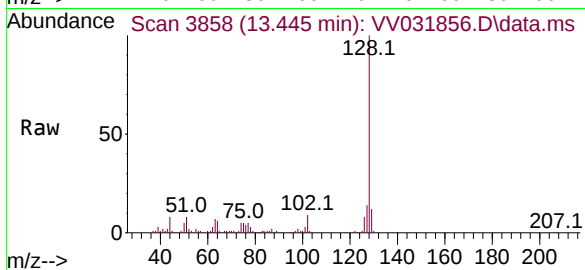
Acq: 23 Aug 2023 09:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	39985
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.4	15.6
129	11.3	8.7	13.1



#72

1,2,3-Trichlorobenzene

Concen: 3.329 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.003 min

Lab File: VV031856.D

Acq: 23 Aug 2023 09:35

Tgt Ion:	180	Resp:	12642
Ion Ratio	Lower	Upper	
180	100		
182	97.0	76.7	115.1
145	37.3	27.7	41.5

