

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082323\
 Data File : VW031860.D
 Acq On : 23 Aug 2023 11:08
 Operator : SY/MD
 Sample : VSTD20065
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 01:29:36 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	269658	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	266085	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	147694	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	342916	177.316	ug/L	0.00
7) Chloroethane-d5	1.519	69	300660	223.062	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	156207	225.411	ug/L	0.00
21) 2-Butanone-d5	3.780	46	558933	464.740	ug/L	0.00
24) Chloroform-d	4.249	84	760501	173.644	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	504098	187.126	ug/L	0.00
32) Benzene-d6	4.960	84	1480992	177.017	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	480415	176.803	ug/L	0.00
41) Toluene-d8	7.246	98	1359576	175.391	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	267923	220.179	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	321261	510.646	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.156	84	669825	196.561	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	550572	183.729	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	323728	151.572	ug/L	98
3) Chloromethane	1.214	50	331214	189.199	ug/L	100
5) Vinyl chloride	1.282	62	360410	194.428	ug/L	99
6) Bromomethane	1.468	94	201983	185.615	ug/L	98
8) Chloroethane	1.539	64	238257	231.165	ug/L	98
9) Trichlorofluoromethane	1.706	101	515336	186.460	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	307884	206.053	ug/L	99
12) 1,1-Dichloroethene	2.066	96	280124	220.056	ug/L	94
13) Acetone	2.111	43	403568	482.750	ug/L	100
14) Carbon disulfide	2.236	76	673883	200.707	ug/L	100
15) Methyl Acetate	2.368	43	429181	215.592	ug/L	98
16) Methylene chloride	2.445	84	354213	168.301	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	308330	184.771	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	1309646	216.117	ug/L	99
19) 1,1-Dichloroethane	3.111	63	697088	194.615	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	393517	196.098	ug/L	98
22) 2-Butanone	3.860	43	629761	432.583	ug/L	97
23) Bromochloromethane	4.146	128	191430	183.383	ug/L	98
25) Chloroform	4.275	83	715692	177.908	ug/L	99
27) 1,2-Dichloroethane	5.040	62	572568	189.474	ug/L	100
29) Cyclohexane	4.584	56	546229	203.797	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	613765	157.352	ug/L	100
31) Carbon tetrachloride	4.735	117	513464	145.212	ug/L	98
33) Benzene	5.011	78	1417797	181.261	ug/L	100
34) Trichloroethene	5.831	95	417614	161.426	ug/L	98
35) Methylcyclohexane	6.053	83	574135	184.743	ug/L	98
37) 1,2-Dichloropropane	6.095	63	416833	182.760	ug/L	100
38) Bromodichloromethane	6.432	83	575051	176.043	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	728096	219.338	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	1292738	466.231	ug/L	98
42) Toluene	7.317	91	1555830	190.257	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	701315	221.368	ug/L	98

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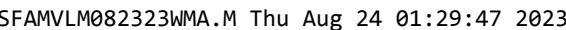
Instrument :
 MSVOA_V
 ClientSampleId :

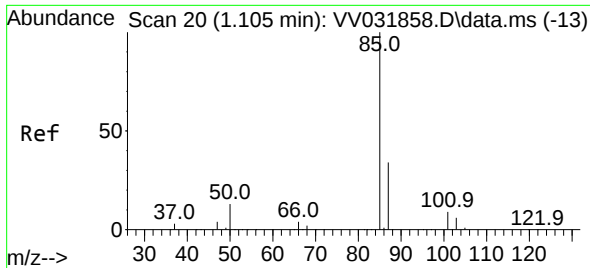
Quant Time: Aug 24 01:29:36 2023
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	408476	188.086	ug/L	99
46) Tetrachloroethene	7.908	164	268723	164.769	ug/L	98
48) 2-Hexanone	8.075	43	995698	474.373	ug/L	100
49) Dibromochloromethane	8.178	129	438110	170.434	ug/L	99
50) 1,2-Dibromoethane	8.284	107	430249	174.688	ug/L	100
51) Chlorobenzene	8.815	112	1039192	184.296	ug/L	100
52) Ethylbenzene	8.950	91	1832808	198.142	ug/L	100
53) m,p-Xylene	9.075	106	692747	215.287	ug/L	98
54) o-Xylene	9.481	106	689902	233.599	ug/L	100
55) Styrene	9.500	104	1228556	232.155	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	622937	207.758	ug/L	99
59) Bromoform	9.667	173	334499	194.834	ug/L	99
60) Isopropylbenzene	9.870	105	1886023	225.022	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	544403	192.441	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	1611679	239.101	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	1629156	238.195	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	865612	191.993	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	879714	186.557	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	862622	188.257	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	184581	217.643	ug/L	98
69) 1,3,5-Trichlorobenzene	12.587	180	652125	174.100	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	638139	175.559	ug/L	99
71) Naphthalene	13.442	128	2069632	193.075	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	608949	160.632	ug/L	99

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

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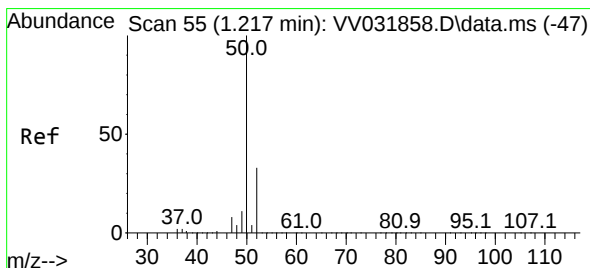
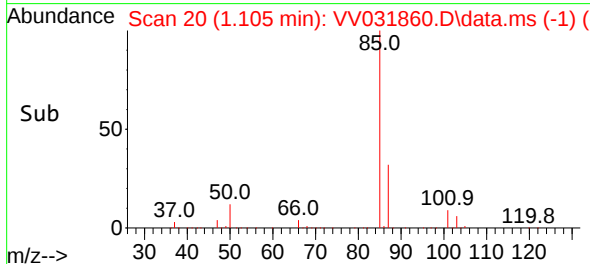
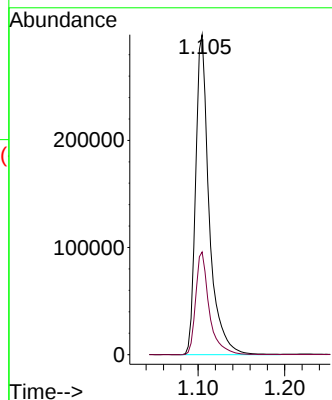
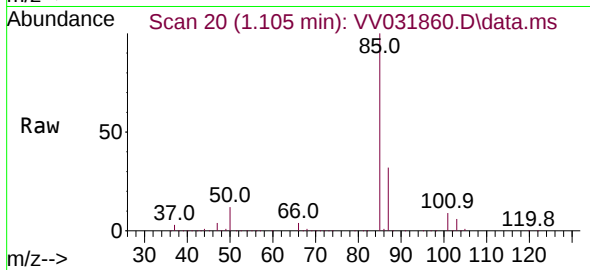




#2
 Dichlorodifluoromethane
 Concen: 151.572 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031860.D
 Acq: 23 Aug 2023 11:08

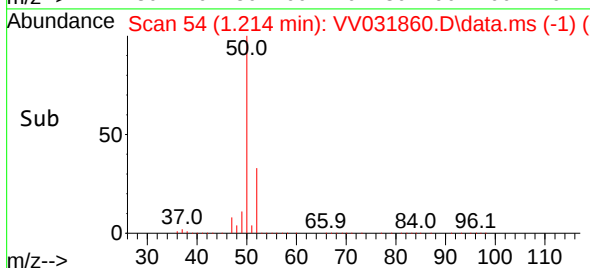
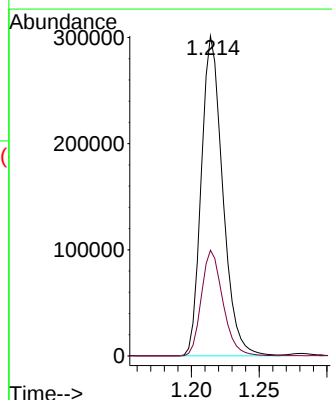
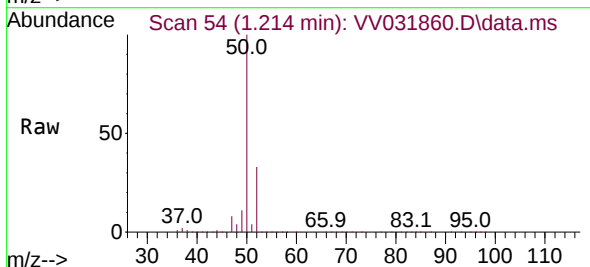
Instrument :
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 ClientSampleId :

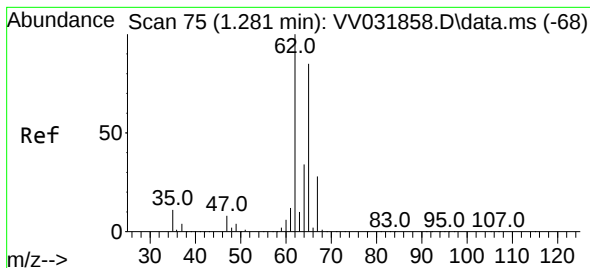
Tgt Ion: 85 Resp: 323728
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.8 40.2



#3
 Chloromethane
 Concen: 189.199 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031860.D
 Acq: 23 Aug 2023 11:08

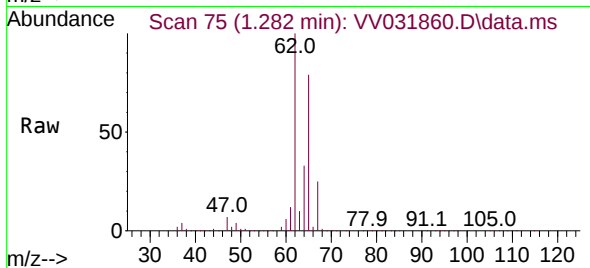
Tgt Ion: 50 Resp: 331214
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.6



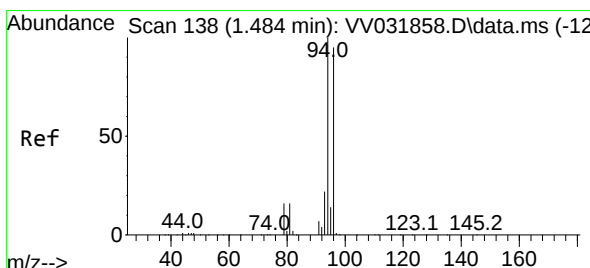
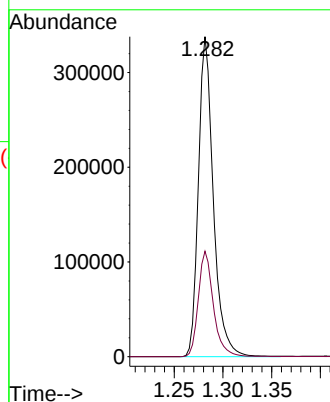
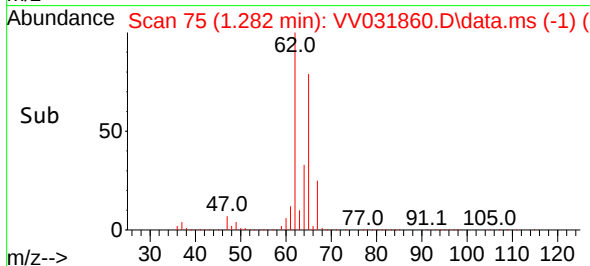


#5
 Vinyl chloride
 Concen: 194.428 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031860.D
 Acq: 23 Aug 2023 11:08

Instrument :
 MSVOA_V
 ClientSampleId :

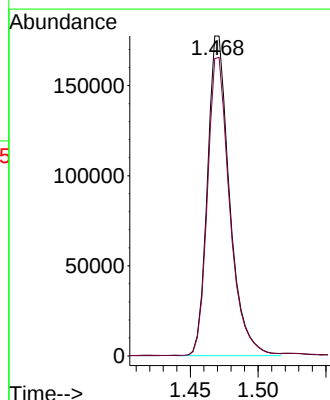
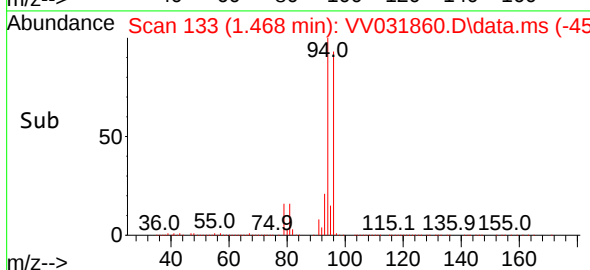
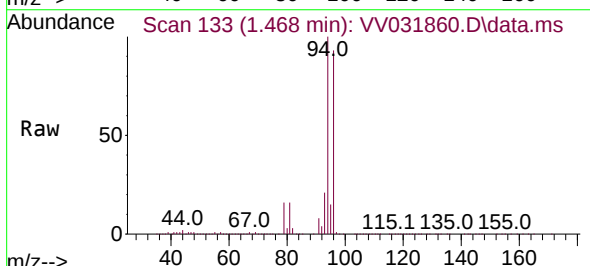


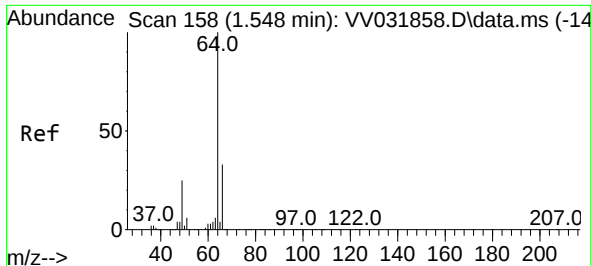
Tgt Ion: 62 Resp: 360410
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.6 43.8



#6
 Bromomethane
 Concen: 185.615 ug/L
 RT: 1.468 min Scan# 133
 Delta R.T. -0.016 min
 Lab File: VV031860.D
 Acq: 23 Aug 2023 11:08

Tgt Ion: 94 Resp: 201983
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.4 123.4

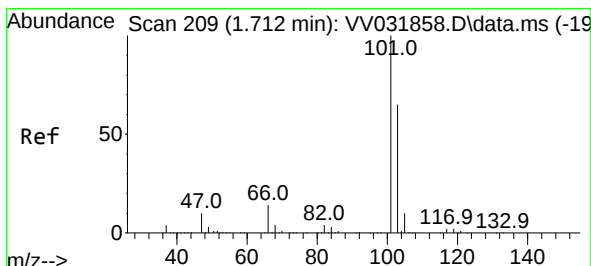
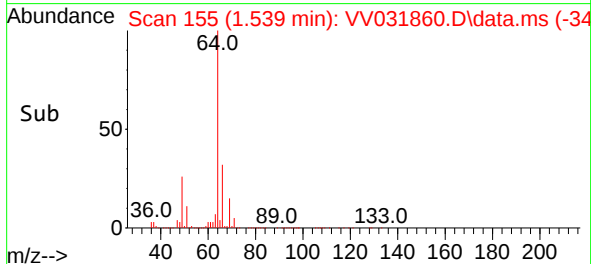
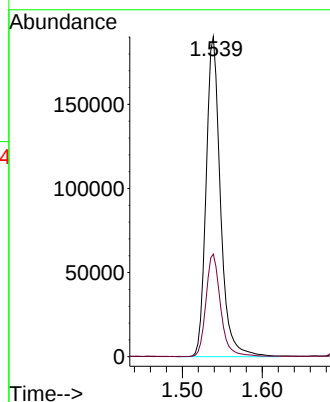
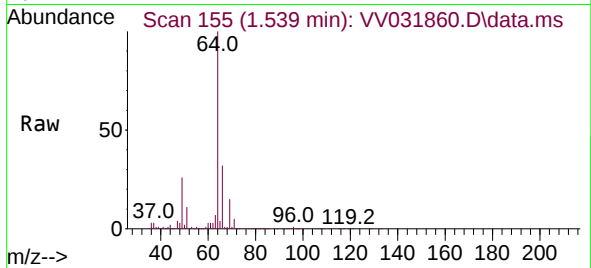




#8
Chloroethane
Concen: 231.165 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

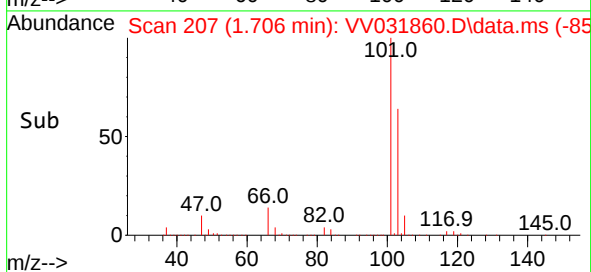
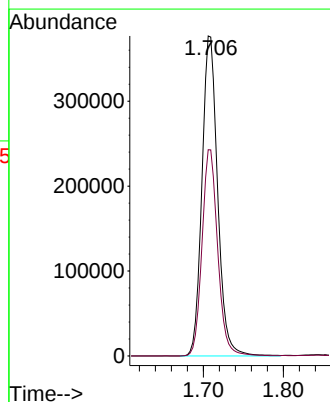
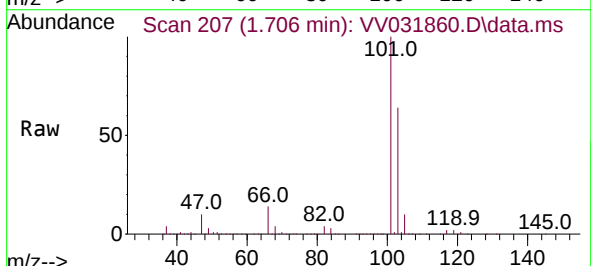
Instrument :
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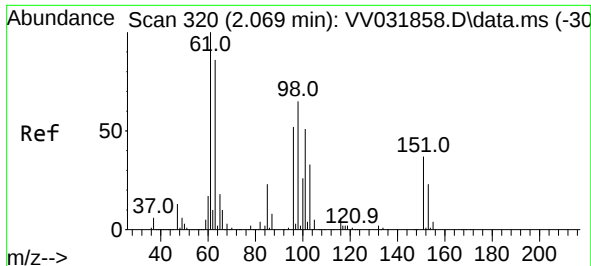
Tgt Ion: 64 Resp: 238257
Ion Ratio Lower Upper
64 100
66 32.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 186.460 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.006 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion: 101 Resp: 515336
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9





#10

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

Concen: 206.053 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

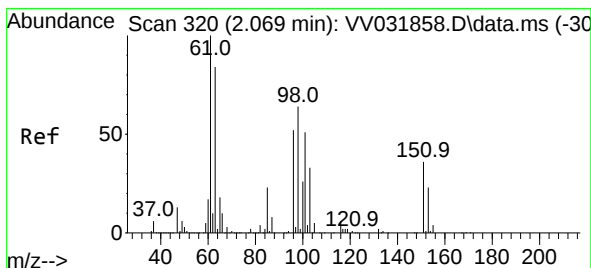
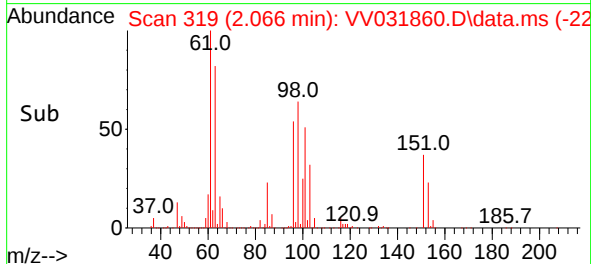
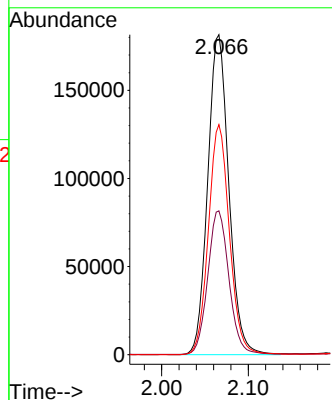
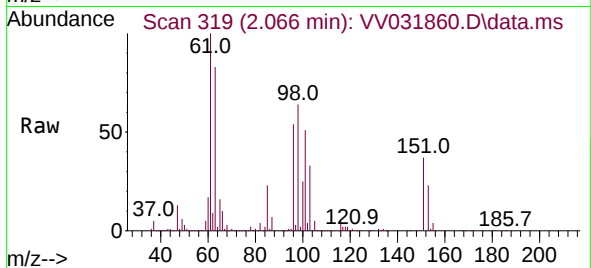
Tgt Ion:101 Resp: 307884

Ion Ratio Lower Upper

101 100

85 45.0 35.8 53.8

151 71.7 56.5 84.7



#12

1,1-Dichloroethene

Concen: 220.056 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

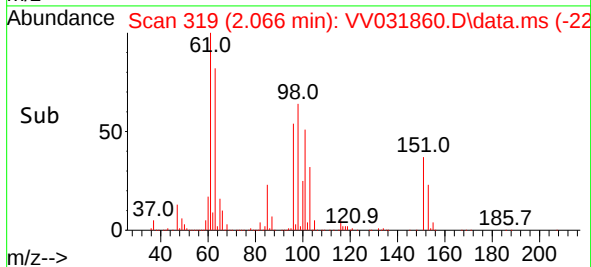
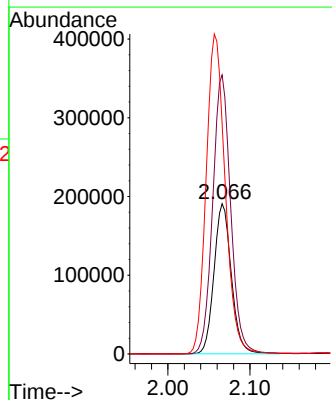
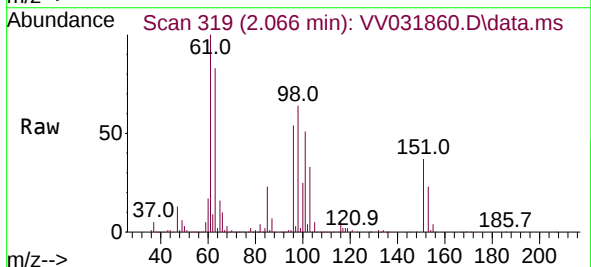
Tgt Ion: 96 Resp: 280124

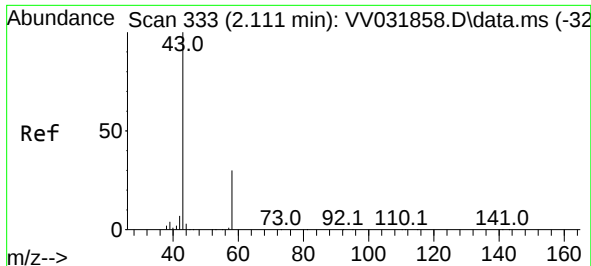
Ion Ratio Lower Upper

96 100

61 185.7 133.8 248.6

63 153.2 115.2 214.0





#13

Acetone

Concen: 482.750 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

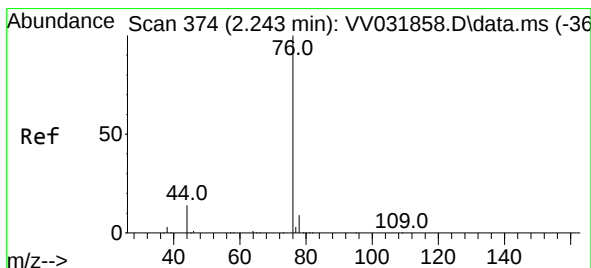
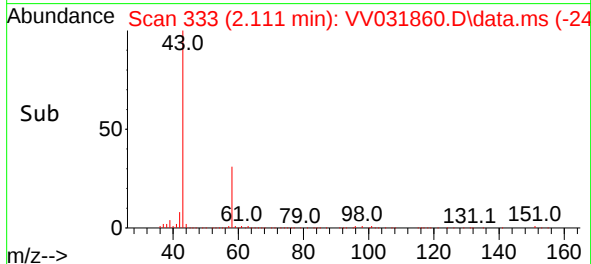
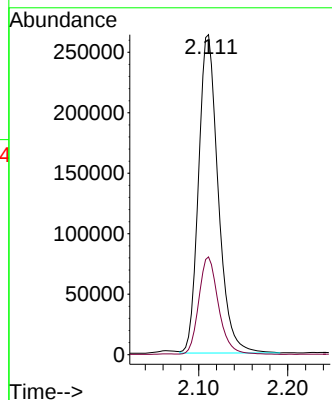
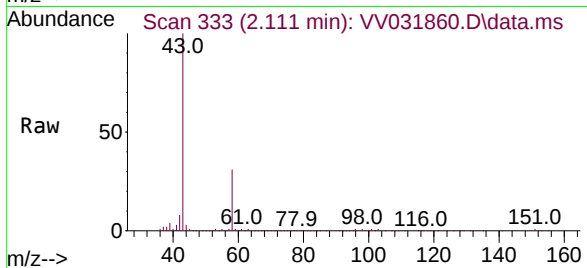
ClientSampleId :

Tgt Ion: 43 Resp: 403568

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.0



#14

Carbon disulfide

Concen: 200.707 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.006 min

Lab File: VV031860.D

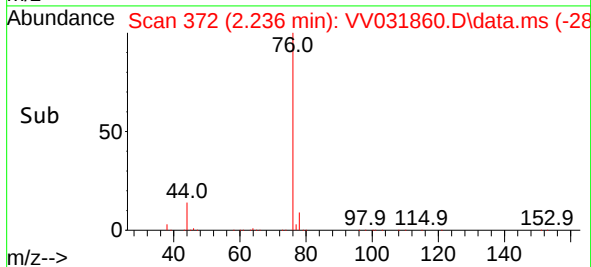
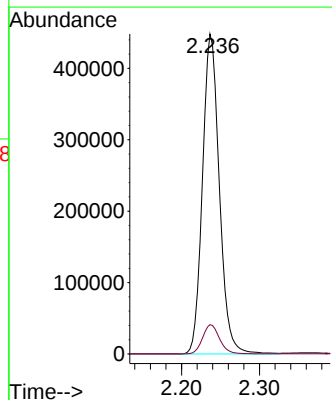
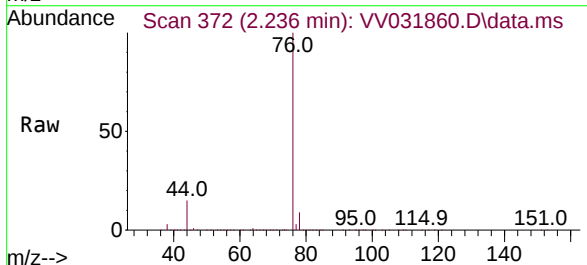
Acq: 23 Aug 2023 11:08

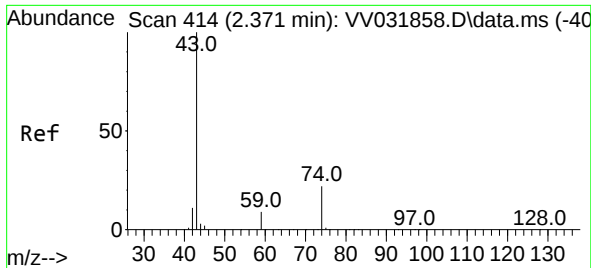
Tgt Ion: 76 Resp: 673883

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

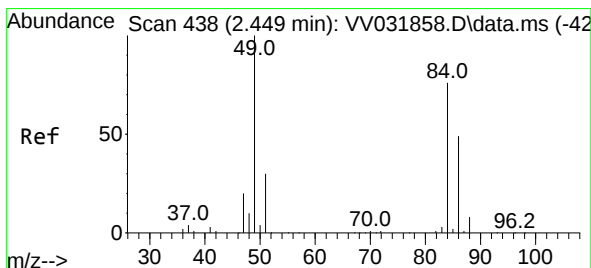
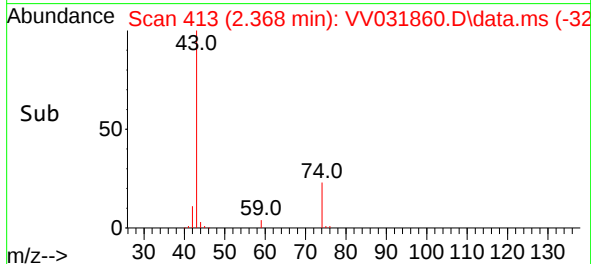
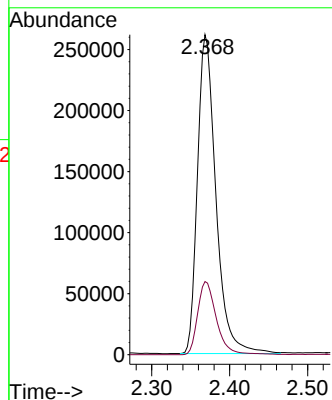
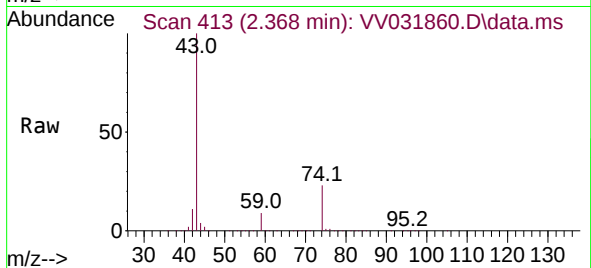




#15
Methyl Acetate
Concen: 215.592 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

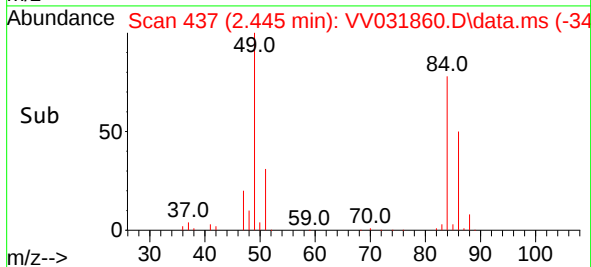
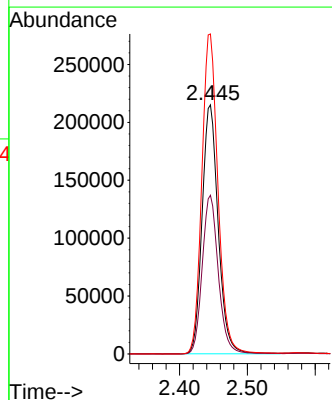
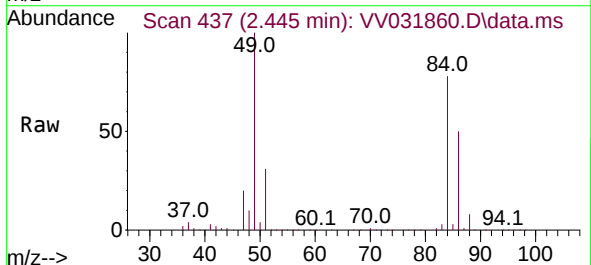
Instrument :
MSVOA_V
ClientSampleId :

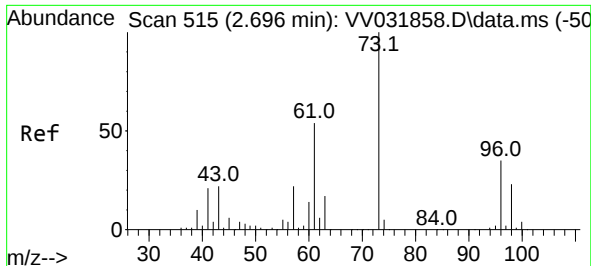
Tgt Ion: 43 Resp: 429181
Ion Ratio Lower Upper
43 100
74 23.4 17.9 26.9



#16
Methylene chloride
Concen: 168.301 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion: 84 Resp: 354213
Ion Ratio Lower Upper
84 100
86 63.7 44.6 82.8
49 128.5 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 184.771 ug/L

RT: 2.693 min Scan# 515

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

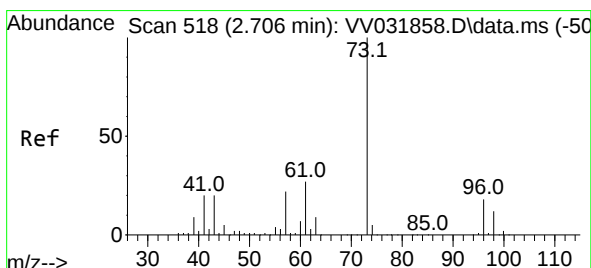
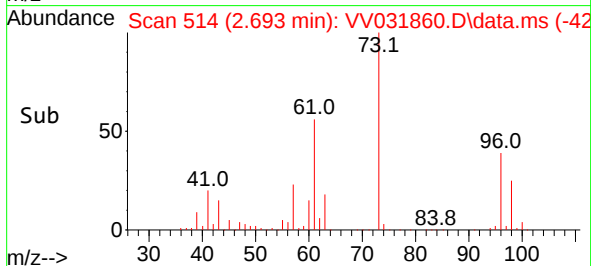
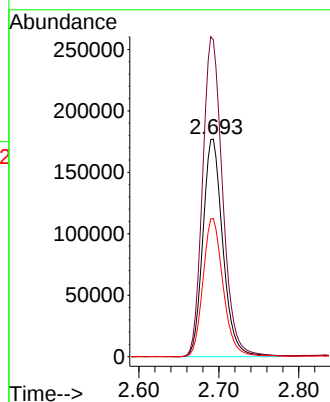
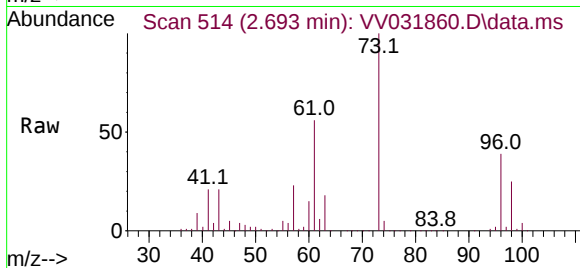
Tgt Ion: 96 Resp: 308330

Ion Ratio Lower Upper

96 100

61 145.7 107.3 199.3

98 63.6 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 216.117 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

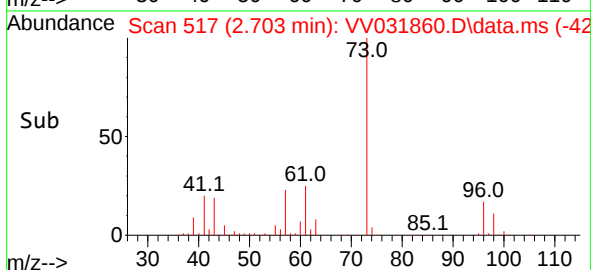
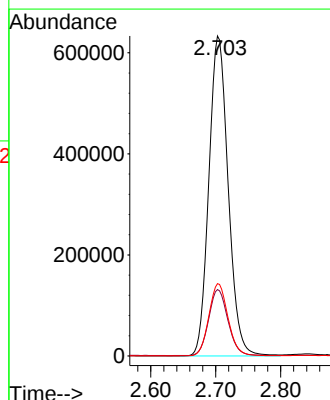
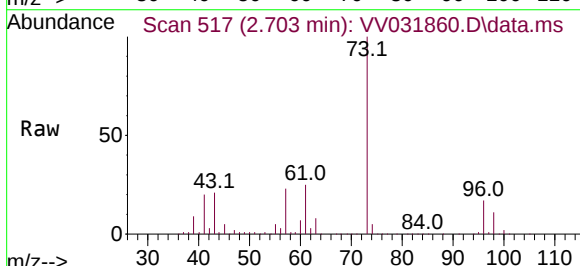
Tgt Ion: 73 Resp: 1309646

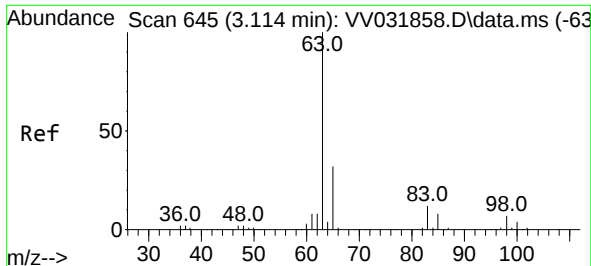
Ion Ratio Lower Upper

73 100

43 20.6 16.6 25.0

57 22.3 17.6 26.4





#19

1,1-Dichloroethane

Concen: 194.615 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

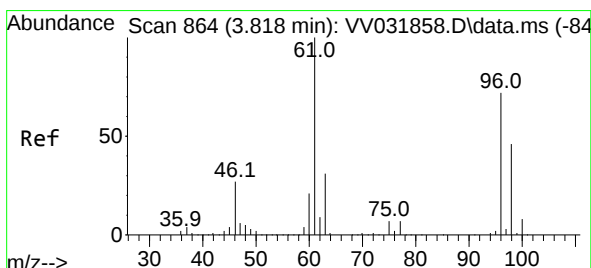
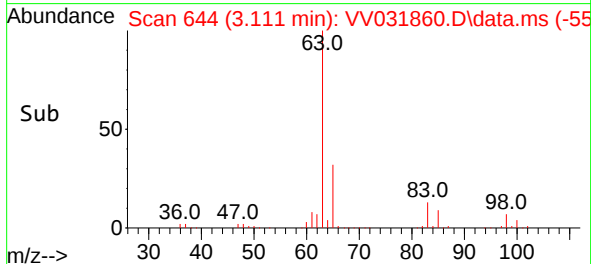
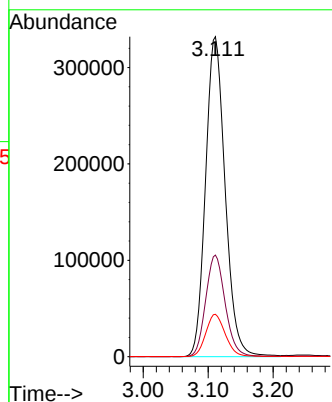
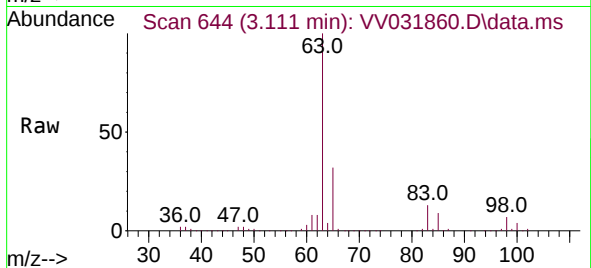
Tgt Ion: 63 Resp: 697088

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

83 13.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 196.098 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.006 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

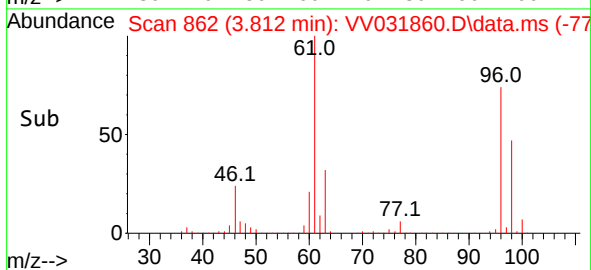
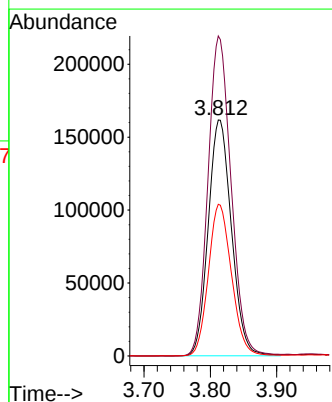
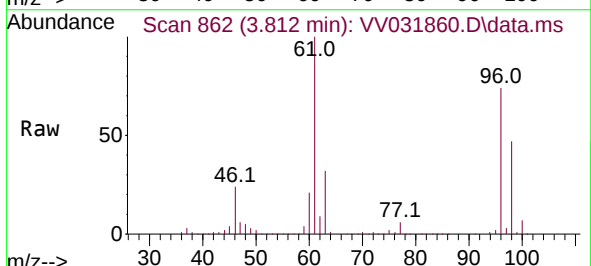
Tgt Ion: 96 Resp: 393517

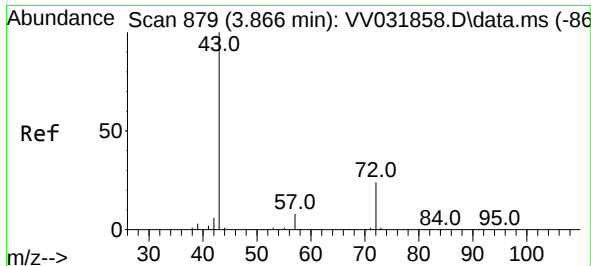
Ion Ratio Lower Upper

96 100

61 135.5 97.3 180.7

98 64.3 45.3 84.1

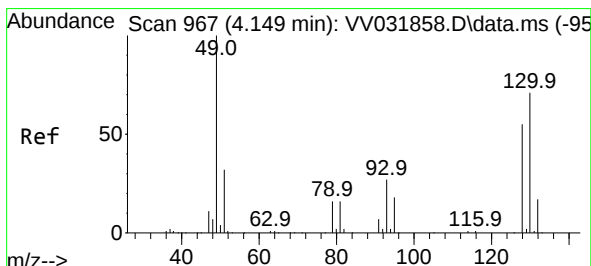
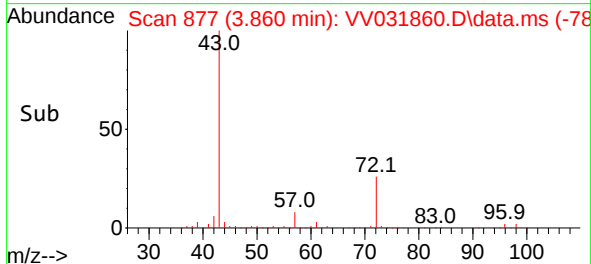
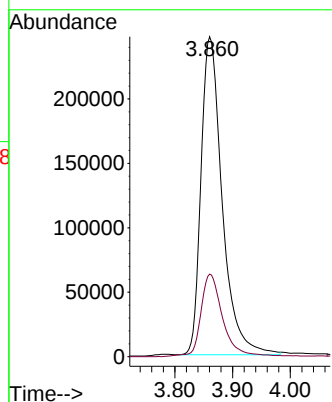
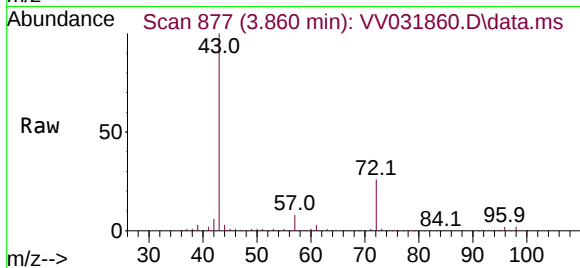




#22
2-Butanone
Concen: 432.583 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

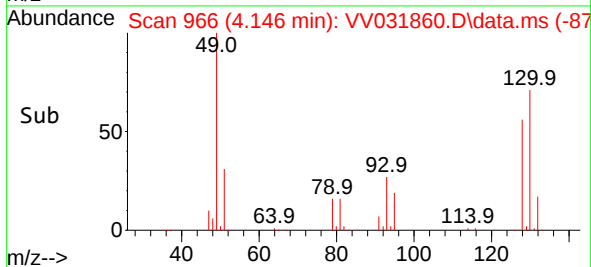
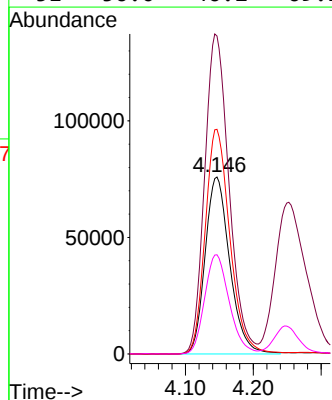
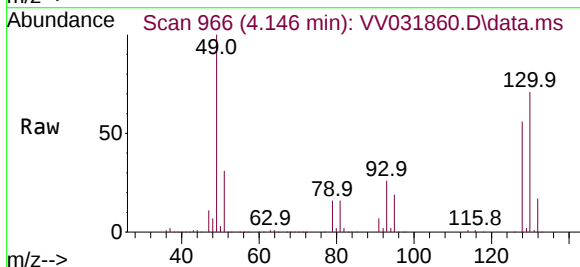
Instrument :
MSVOA_V
ClientSampleId :

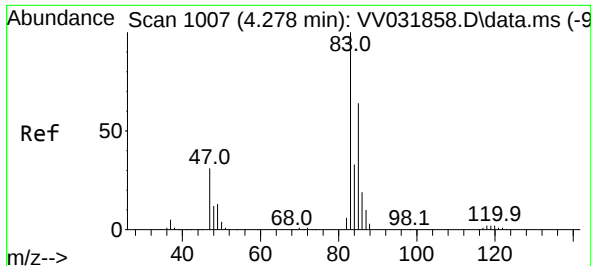
Tgt Ion: 43 Resp: 629761
Ion Ratio Lower Upper
43 100
72 26.8 12.6 37.8



#23
Bromochloromethane
Concen: 183.383 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion:128 Resp: 191430
Ion Ratio Lower Upper
128 100
49 179.6 127.8 237.4
130 127.0 90.1 167.3
51 56.0 46.2 69.2





#25

Chloroform

Concen: 177.908 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

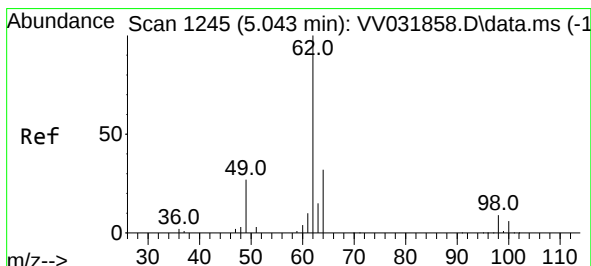
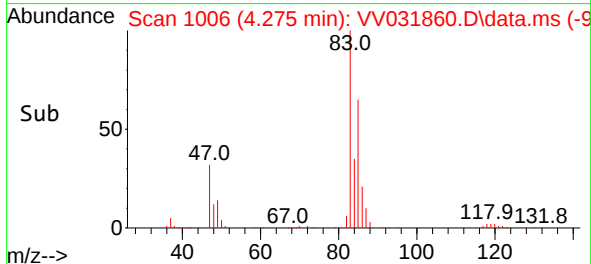
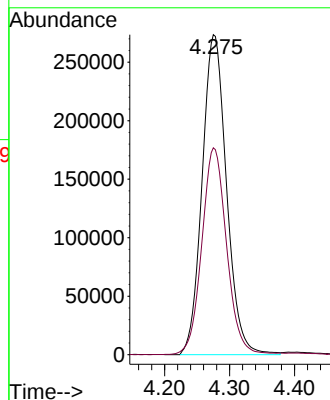
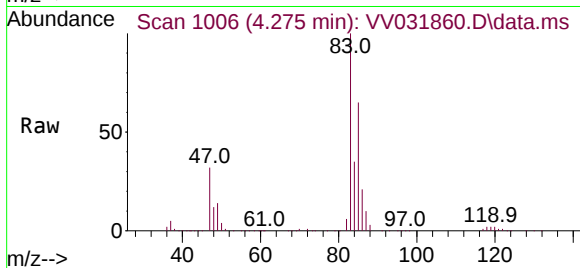
ClientSampleId :

Tgt Ion: 83 Resp: 715692

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 189.474 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.003 min

Lab File: VV031860.D

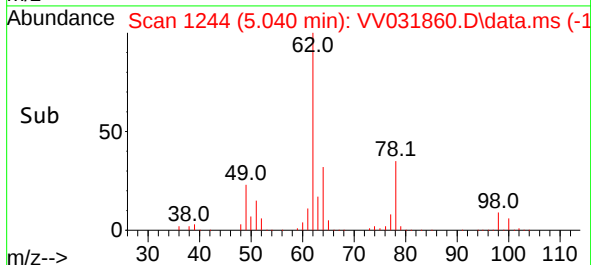
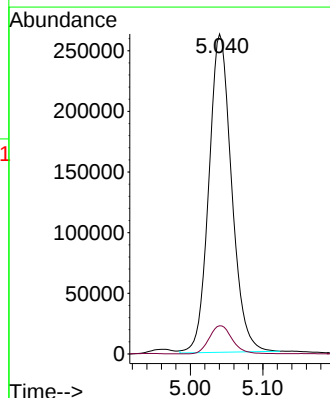
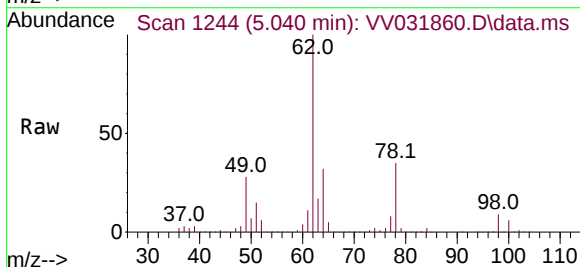
Acq: 23 Aug 2023 11:08

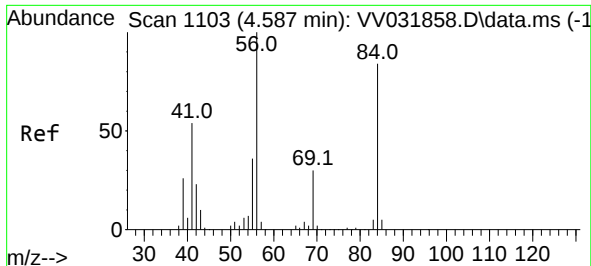
Tgt Ion: 62 Resp: 572568

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4





#29

Cyclohexane

Concen: 203.797 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

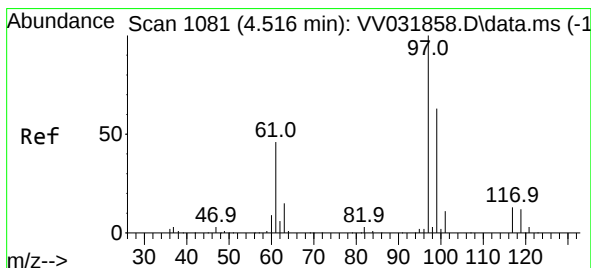
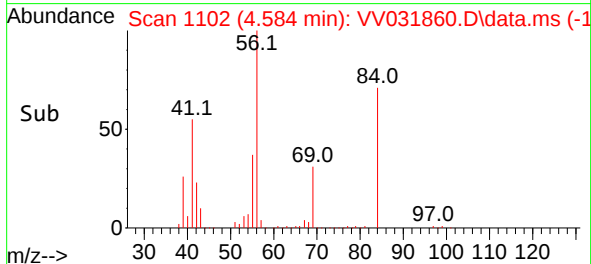
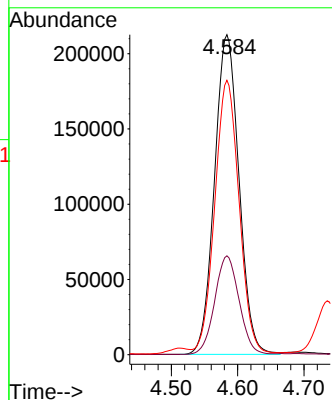
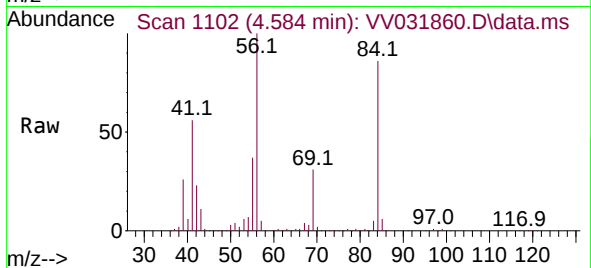
Tgt Ion: 56 Resp: 546229

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.4

84 84.2 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 157.352 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

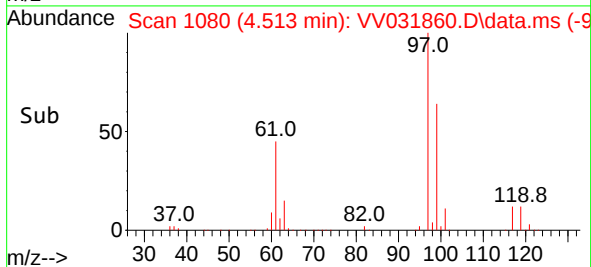
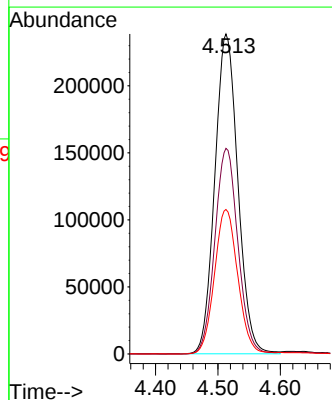
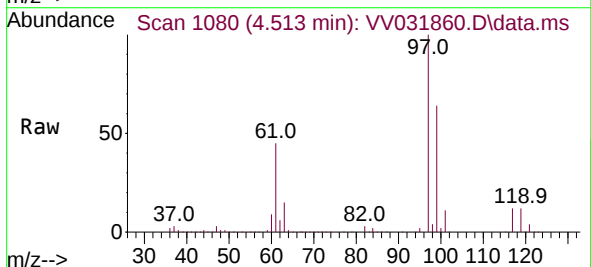
Tgt Ion: 97 Resp: 613765

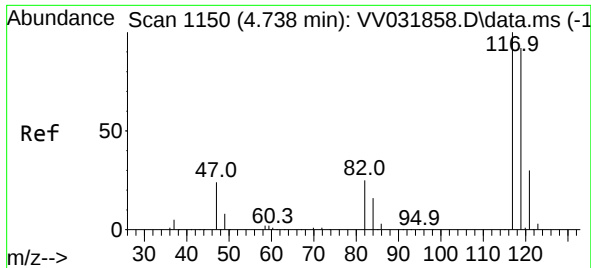
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 45.7 36.5 54.7

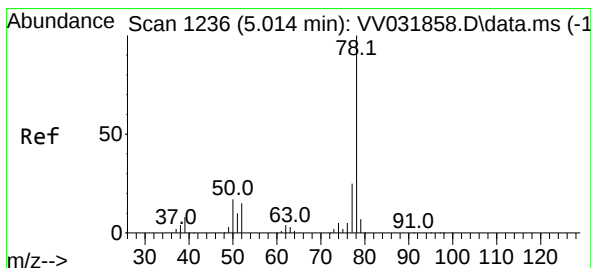
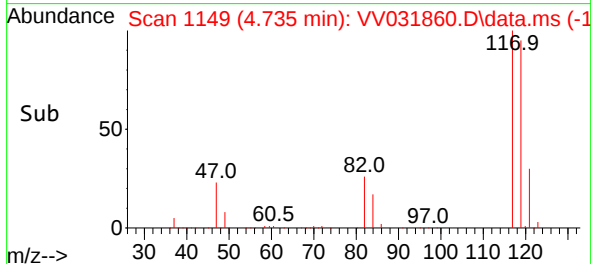
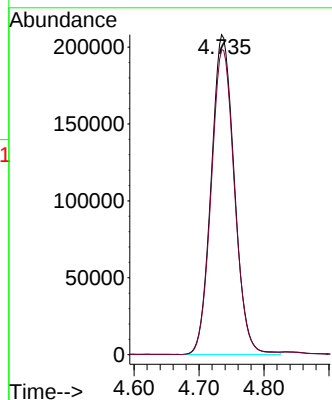
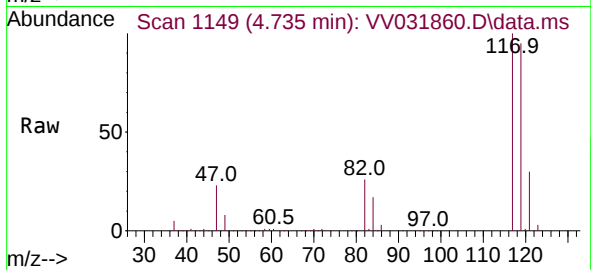




#31
Carbon tetrachloride
Concen: 145.212 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

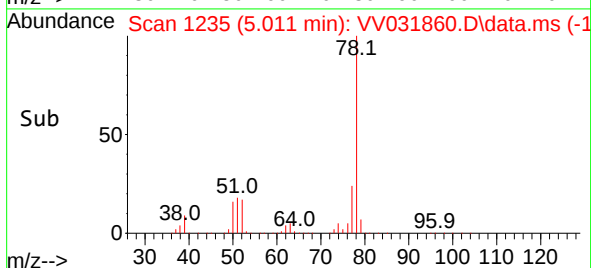
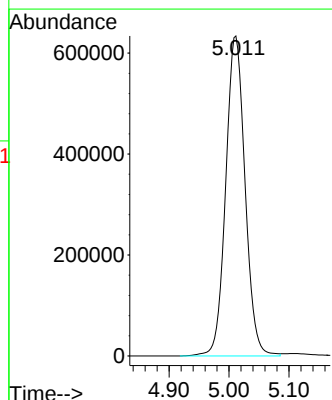
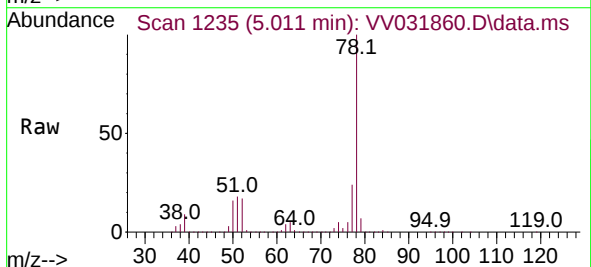
Instrument :
MSVOA_V
ClientSampleId :

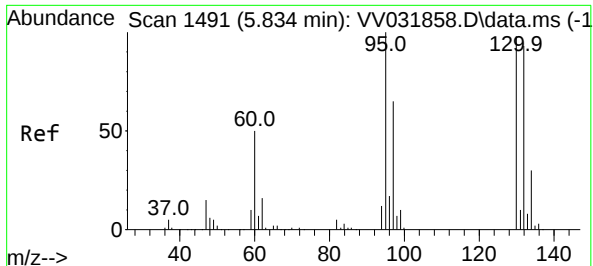
Tgt Ion:117 Resp: 513464
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.2



#33
Benzene
Concen: 181.261 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion: 78 Resp: 1417797

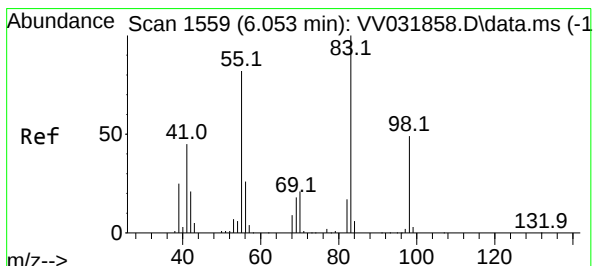
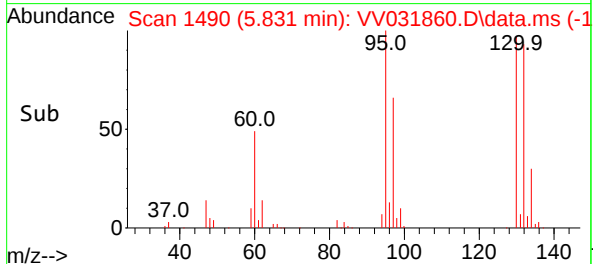
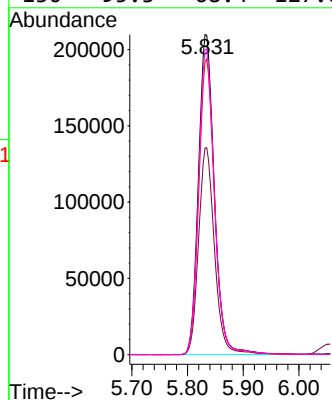
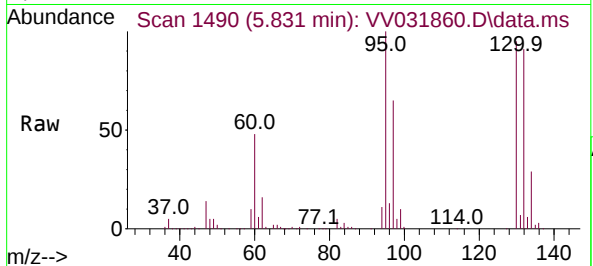




#34
Trichloroethene
Concen: 161.426 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

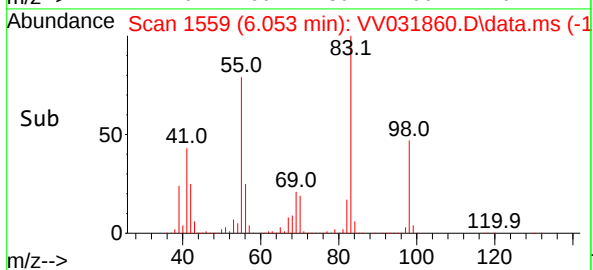
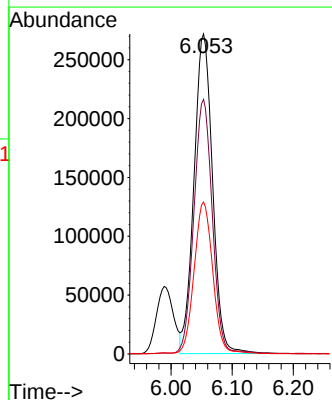
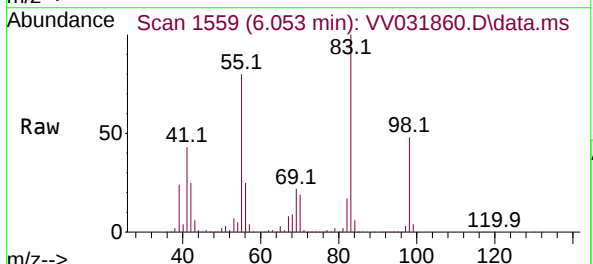
Instrument :
MSVOA_V
ClientSampleId :

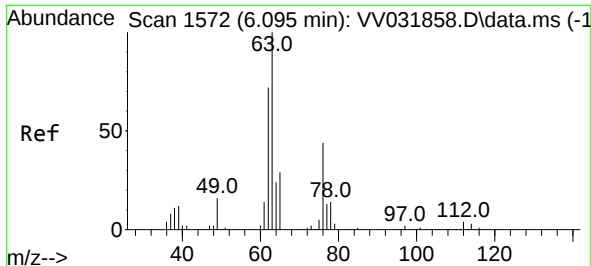
Tgt Ion: 95 Resp: 417614
Ion Ratio Lower Upper
95 100
97 64.5 45.4 84.2
132 91.4 65.4 121.4
130 95.3 68.4 127.0



#35
Methylcyclohexane
Concen: 184.743 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion: 83 Resp: 574135
Ion Ratio Lower Upper
83 100
55 78.5 62.2 93.2
98 47.5 36.7 55.1





#37

1,2-Dichloropropane

Concen: 182.760 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

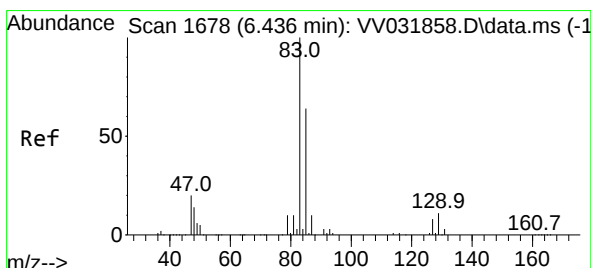
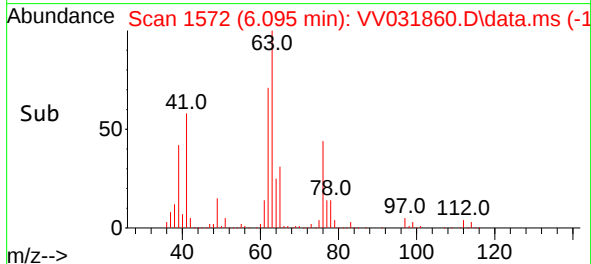
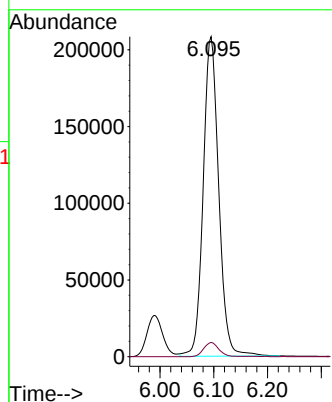
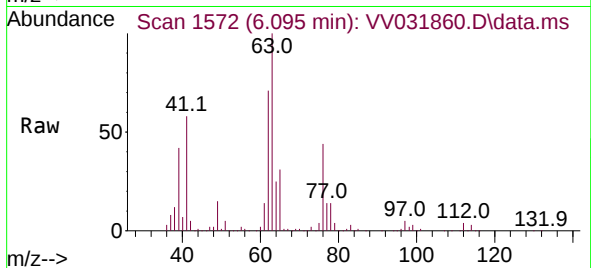
ClientSampleId :

Tgt Ion: 63 Resp: 416833

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 176.043 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

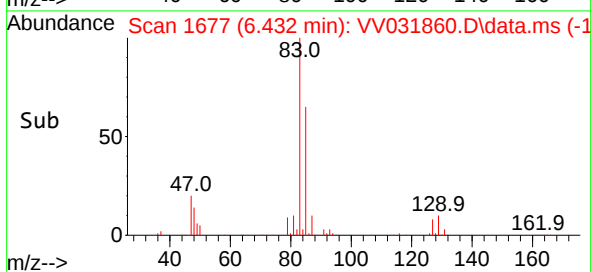
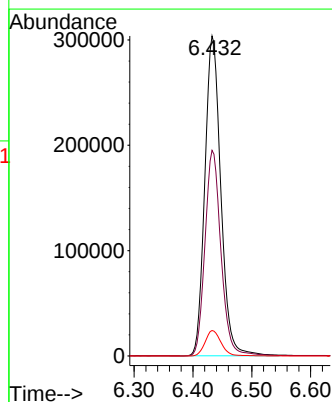
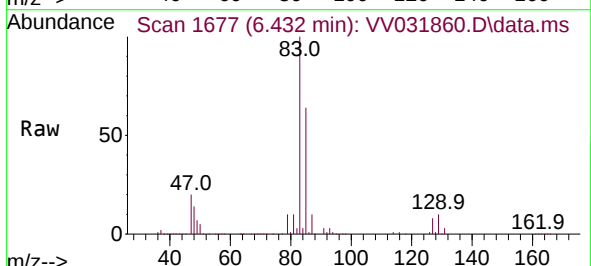
Tgt Ion: 83 Resp: 575051

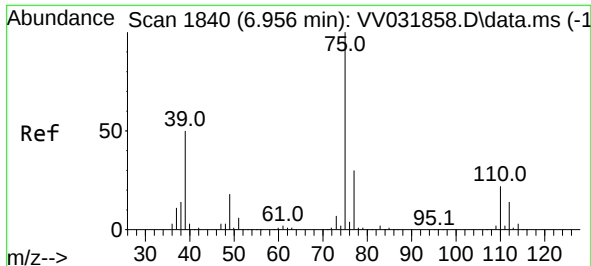
Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 219.338 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

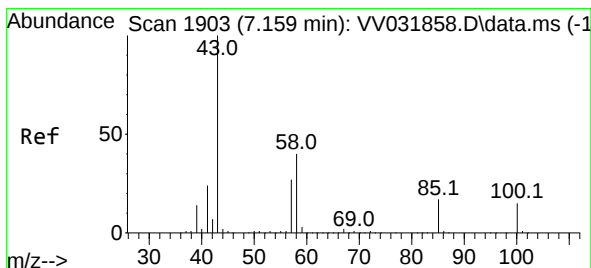
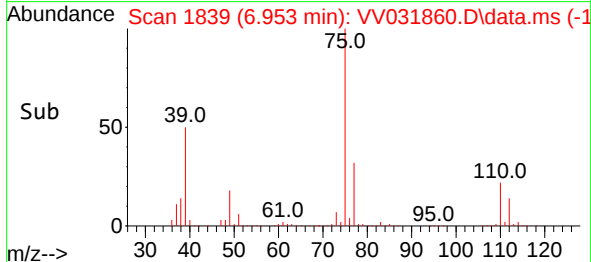
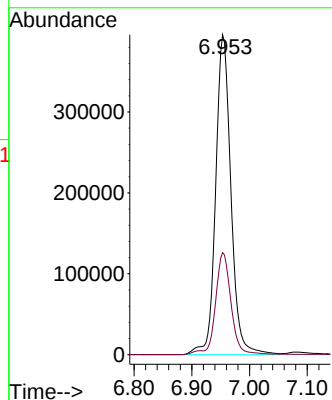
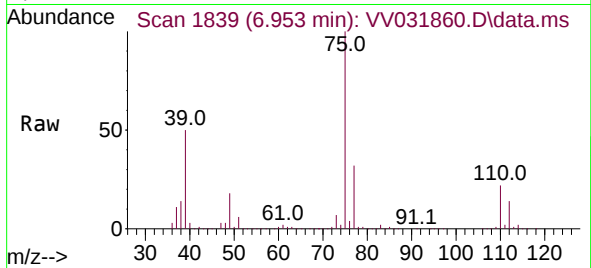
ClientSampleId :

Tgt Ion: 75 Resp: 728096

Ion Ratio Lower Upper

75 100

77 31.9 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 466.231 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

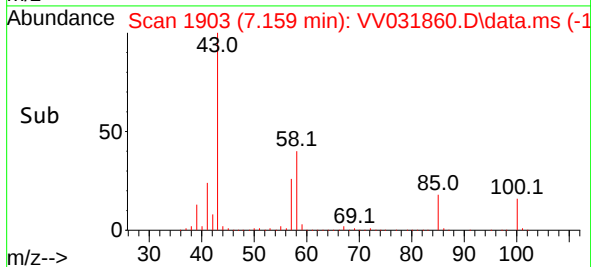
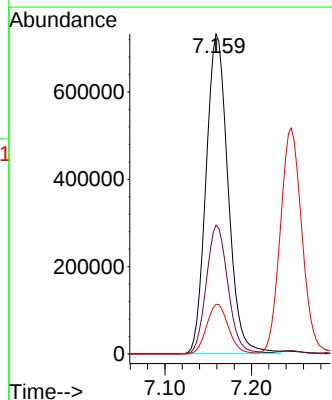
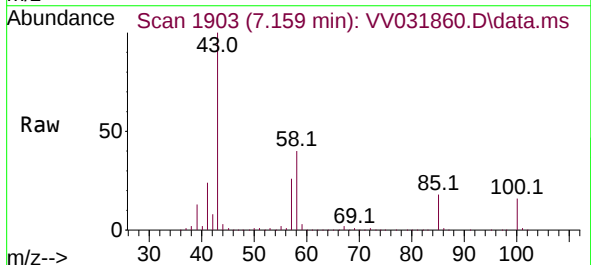
Tgt Ion: 43 Resp: 1292738

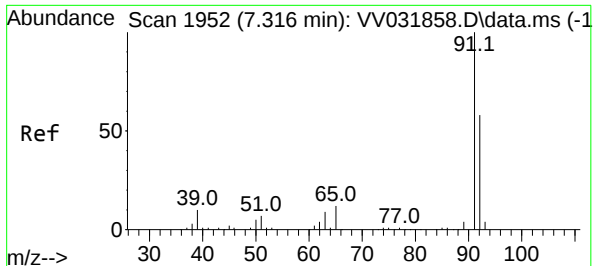
Ion Ratio Lower Upper

43 100

58 39.9 31.1 46.7

100 15.5 11.9 17.9





#42

Toluene

Concen: 190.257 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

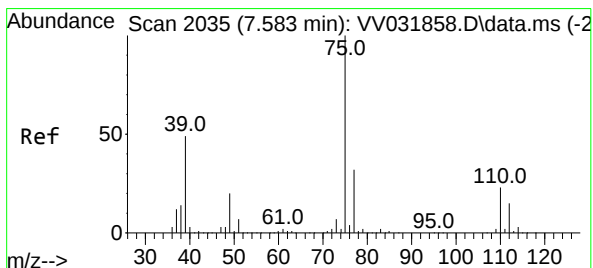
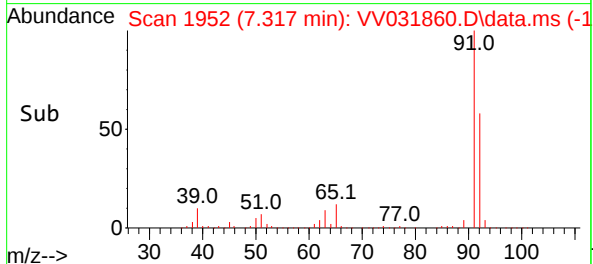
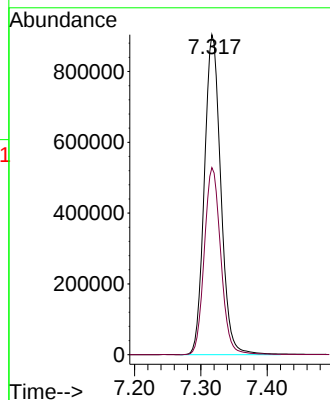
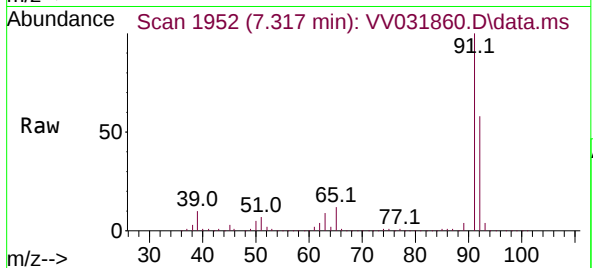
ClientSampleId :

Tgt Ion: 91 Resp: 1555830

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 221.368 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV031860.D

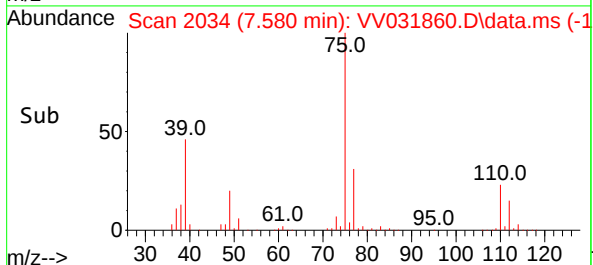
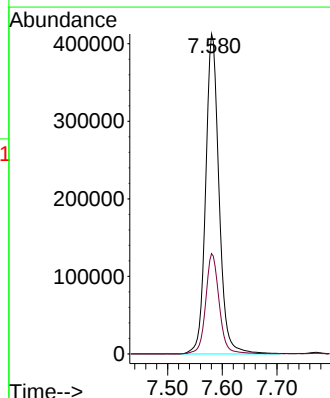
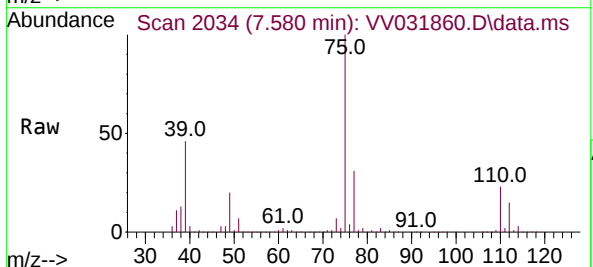
Acq: 23 Aug 2023 11:08

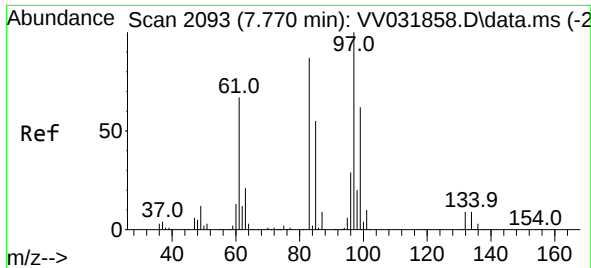
Tgt Ion: 75 Resp: 701315

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 188.086 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 408476

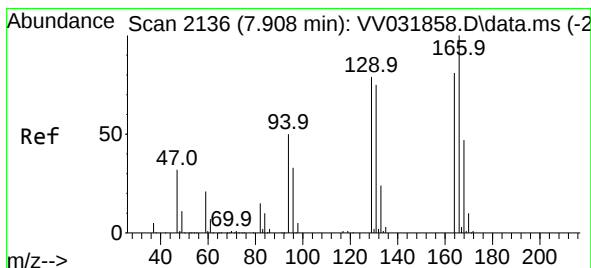
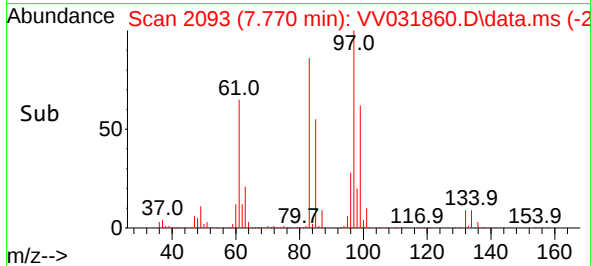
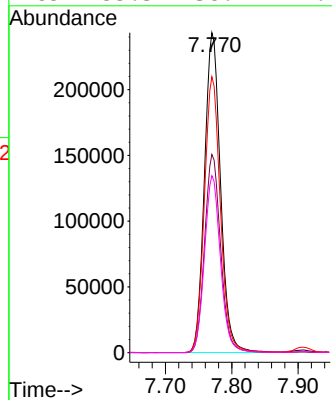
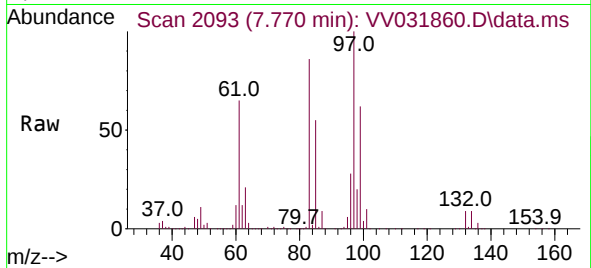
Ion Ratio Lower Upper

97 100

99 62.0 43.0 79.8

83 86.3 61.2 113.6

85 55.3 38.9 72.2



#46

Tetrachloroethene

Concen: 164.769 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Tgt Ion:164 Resp: 268723

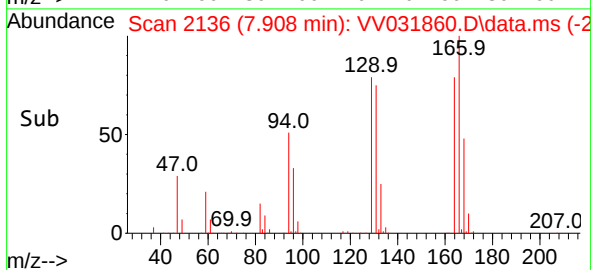
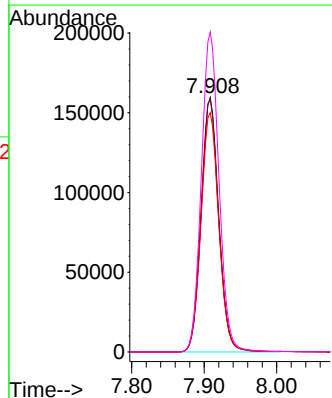
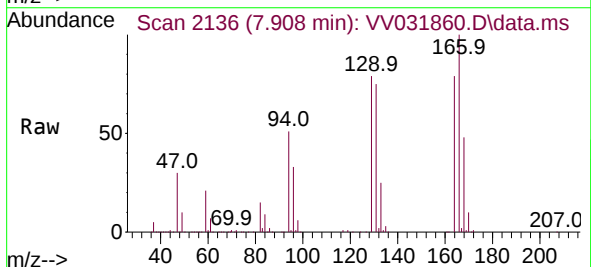
Ion Ratio Lower Upper

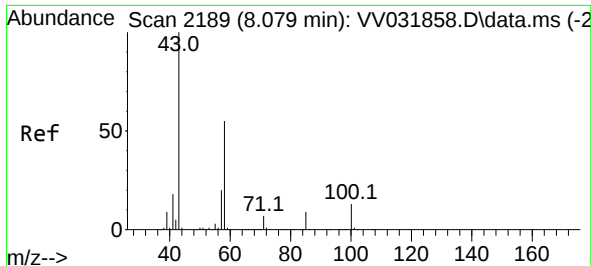
164 100

129 99.3 68.3 126.9

131 94.0 64.9 120.5

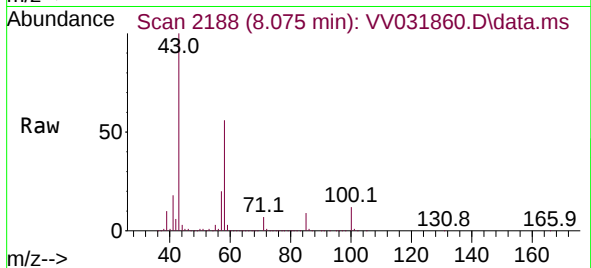
166 125.8 86.7 160.9



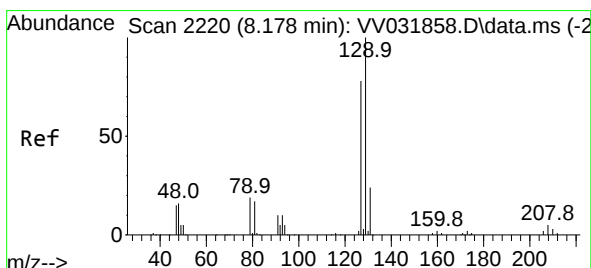
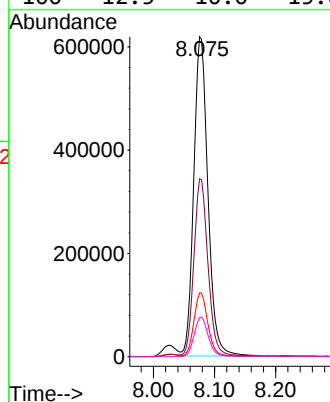
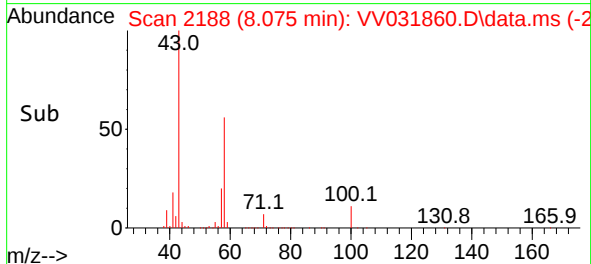


#48
2-Hexanone
Concen: 474.373 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Instrument :
MSVOA_V
ClientSampleId :

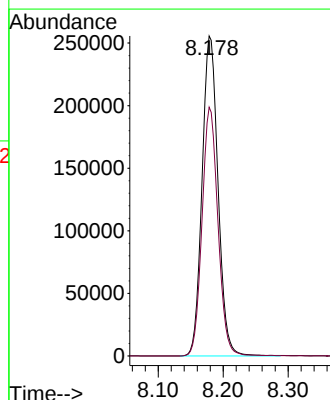
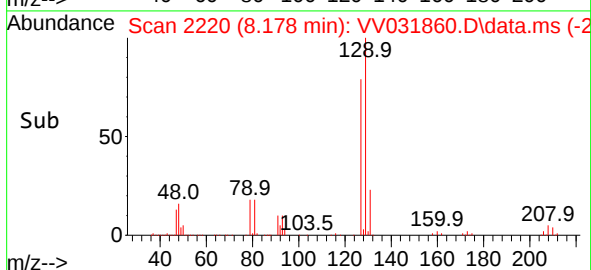
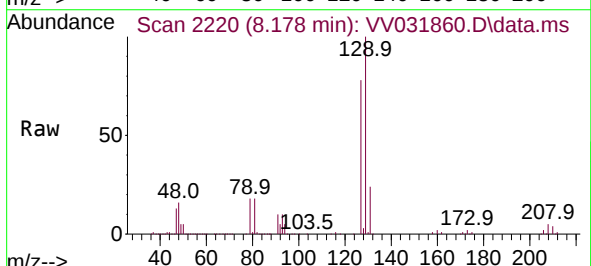


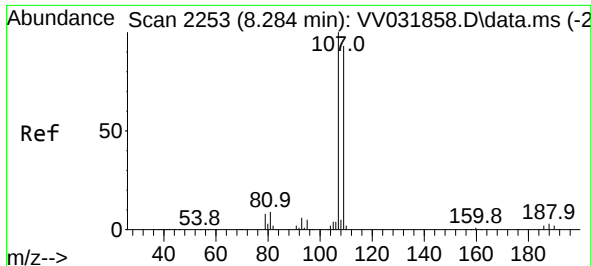
Tgt Ion:	43	Resp:	995698
Ion Ratio	100		
Lower	44.0		
Upper	66.0		
58	55.3		
57	19.9		
100	12.5		
	10.0		



#49
Dibromochloromethane
Concen: 170.434 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion:	129	Resp:	438110
Ion Ratio	100		
Lower	54.7		
Upper	101.7		
127	77.7		





#50

1,2-Dibromoethane

Concen: 174.688 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

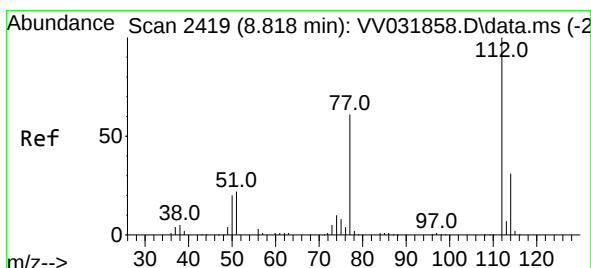
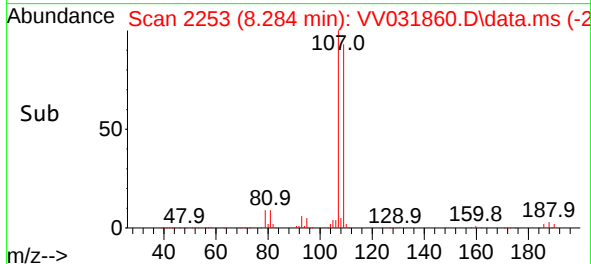
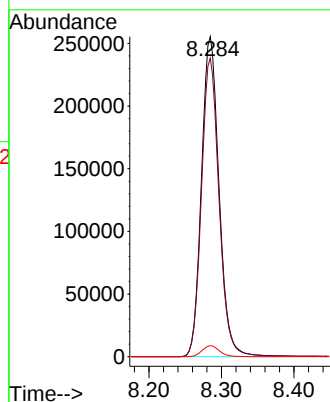
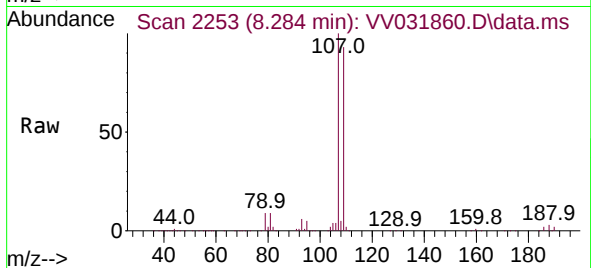
Tgt Ion:107 Resp: 430249

Ion Ratio Lower Upper

107 100

109 93.3 65.4 121.4

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 184.296 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

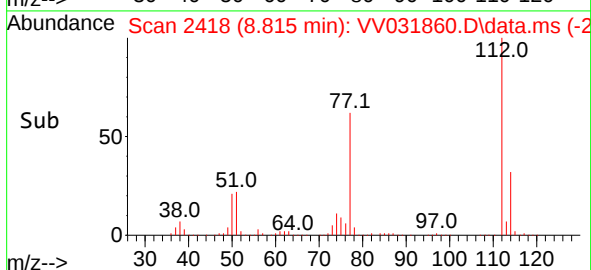
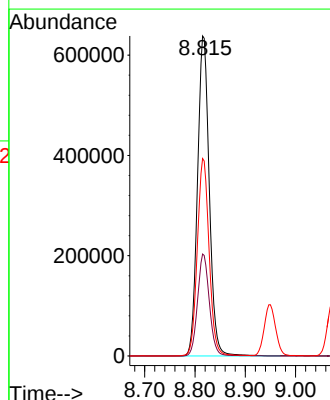
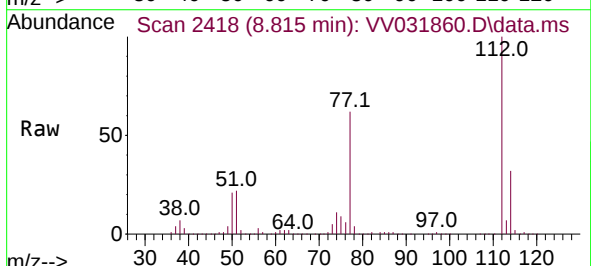
Tgt Ion:112 Resp: 1039192

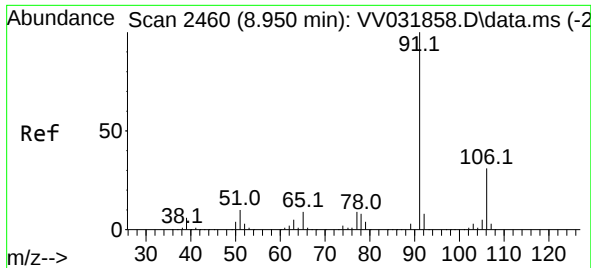
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 61.7 49.4 74.0

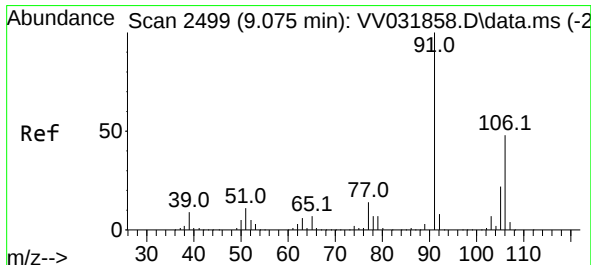
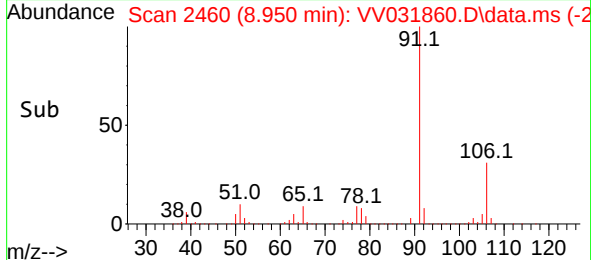
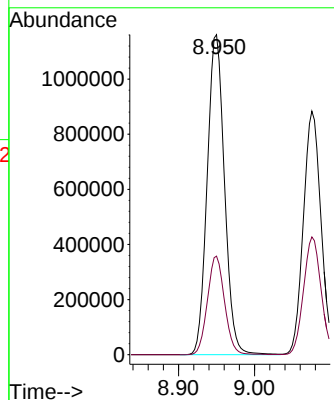
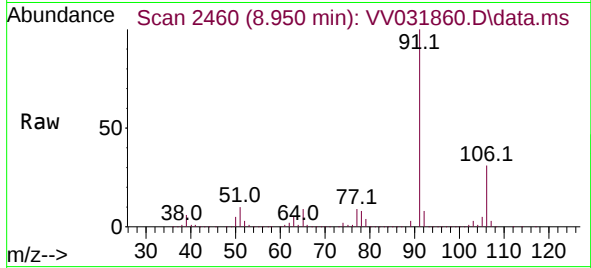




#52
Ethylbenzene
Concen: 198.142 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

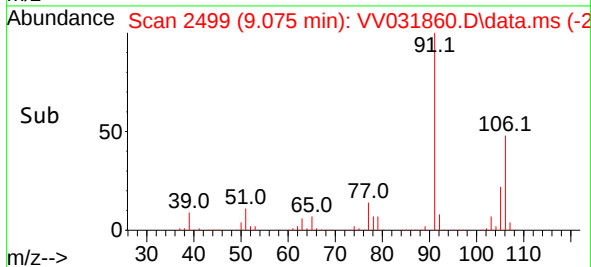
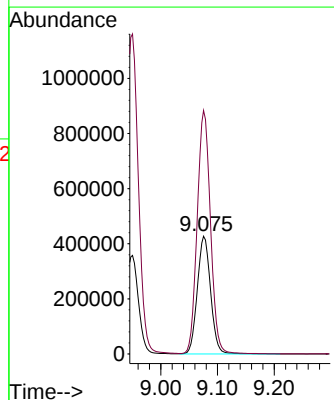
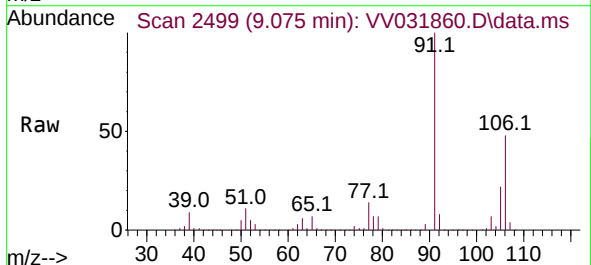
Instrument :
MSVOA_V
ClientSampleId :

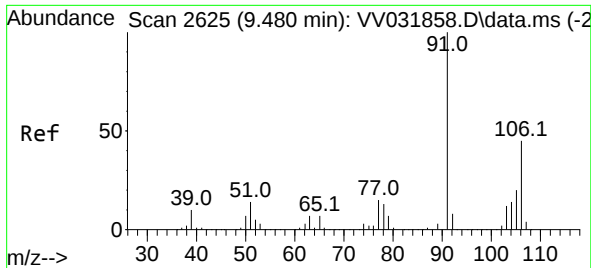
Tgt Ion: 91 Resp: 1832808
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#53
m,p-Xylene
Concen: 215.287 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion:106 Resp: 692747
Ion Ratio Lower Upper
106 100
91 206.9 147.0 273.0

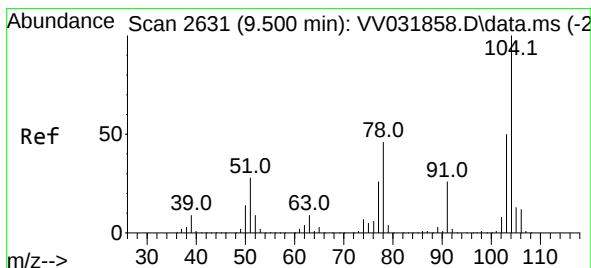
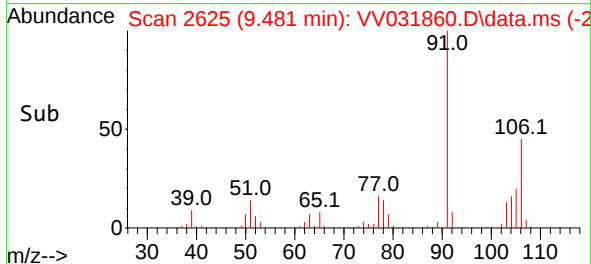
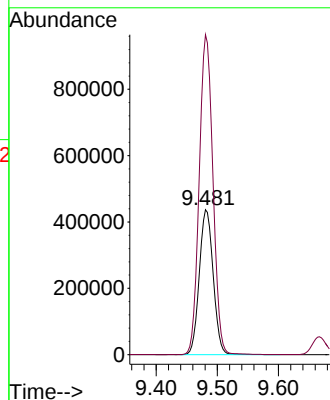
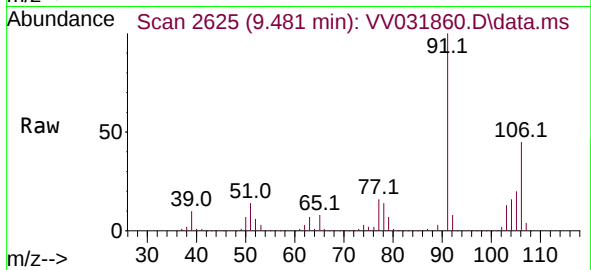




#54
o-Xylene
Concen: 233.599 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

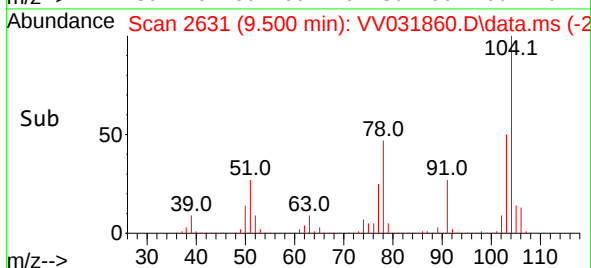
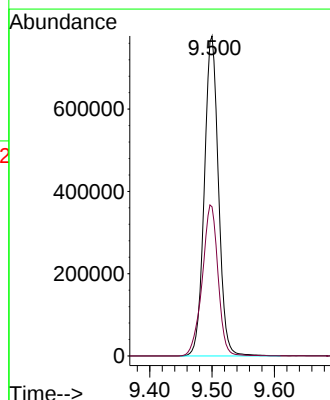
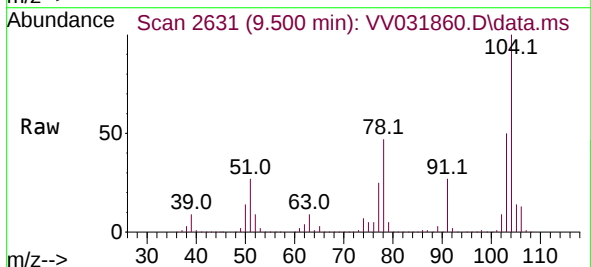
Instrument :
MSVOA_V
ClientSampleId :

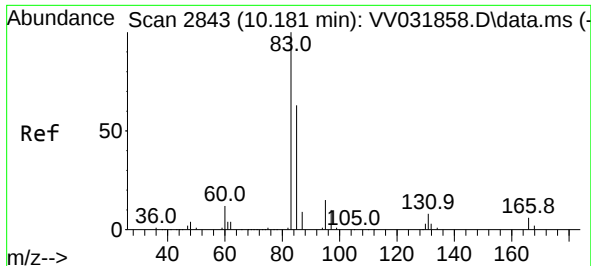
Tgt Ion:106 Resp: 689902
Ion Ratio Lower Upper
106 100
91 220.8 154.3 286.5



#55
Styrene
Concen: 232.155 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion:104 Resp: 1228556
Ion Ratio Lower Upper
104 100
78 46.6 32.3 59.9





#57

1,1,2-Tetrachloroethane

Concen: 207.758 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

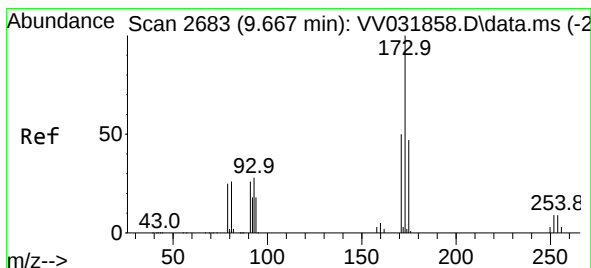
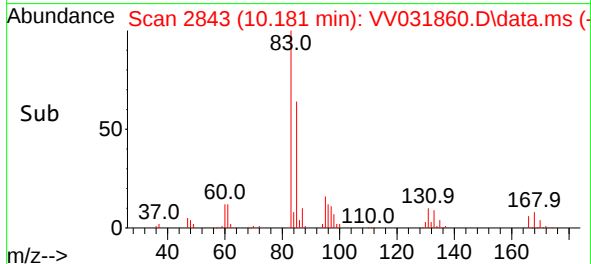
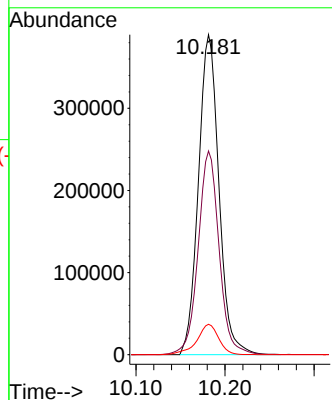
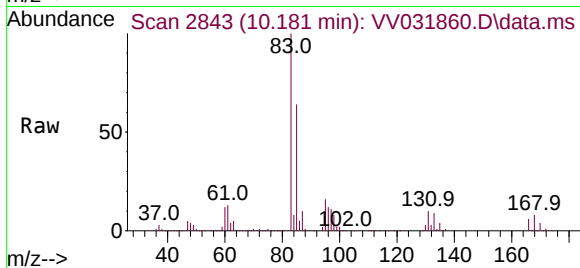
Tgt Ion: 83 Resp: 622937

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

131 9.5 7.4 11.2



#59

Bromoform

Concen: 194.834 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

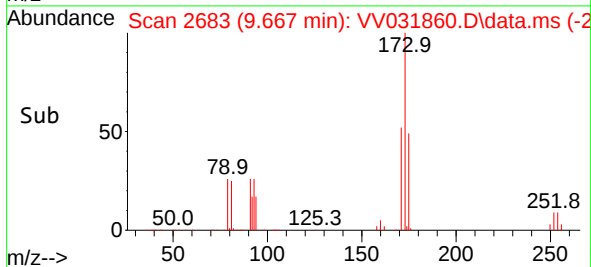
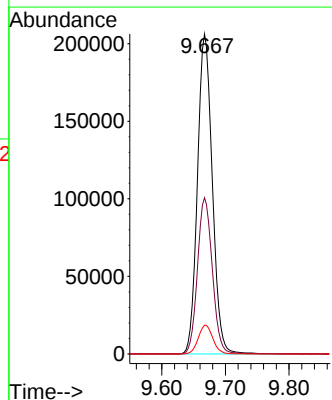
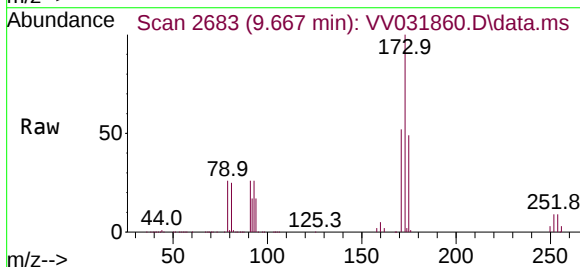
Tgt Ion: 173 Resp: 334499

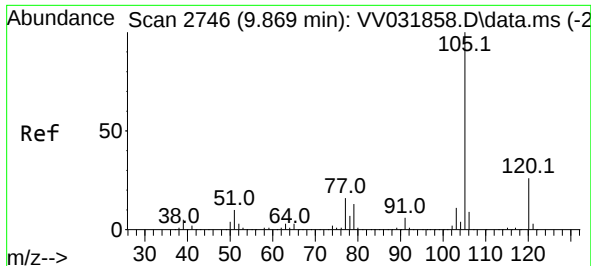
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

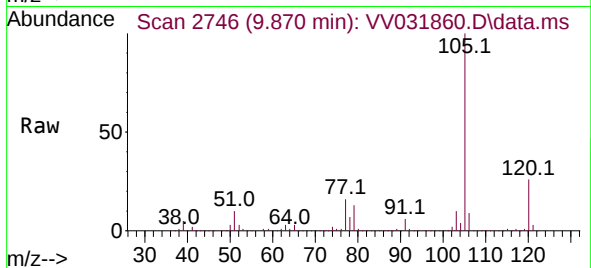
254 8.9 6.9 10.3



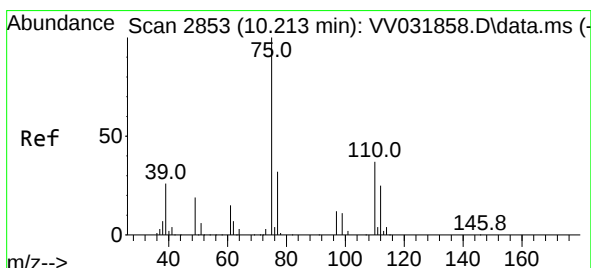
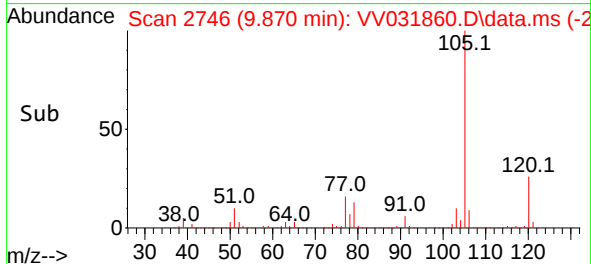
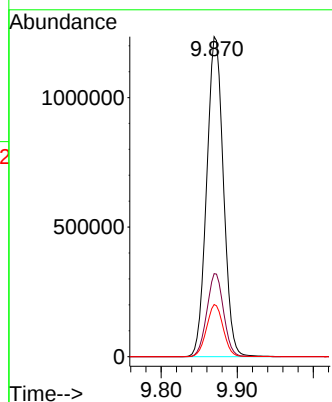


#60
Isopropylbenzene
Concen: 225.022 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Instrument :
MSVOA_V
ClientSampleId :

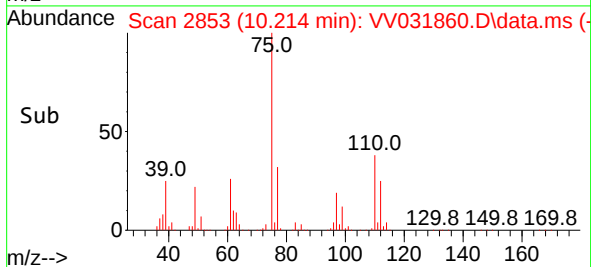
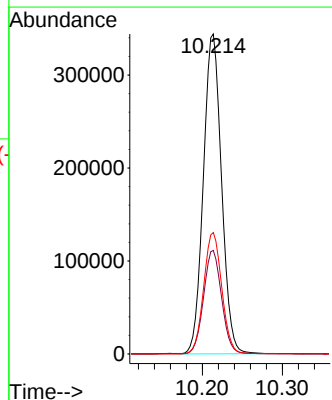
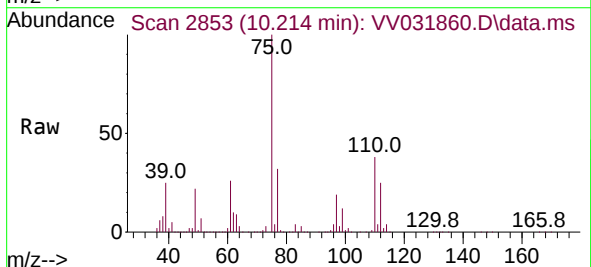


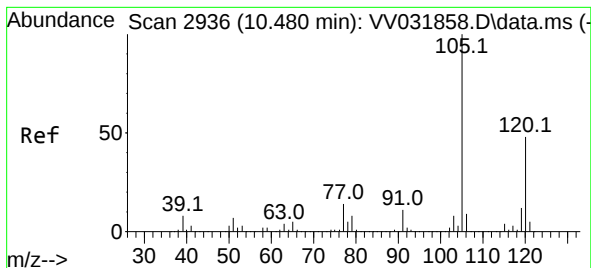
Tgt Ion:105 Resp: 1886023
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.2 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 192.441 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031860.D
Acq: 23 Aug 2023 11:08

Tgt Ion: 75 Resp: 544403
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 37.9 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 239.101 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

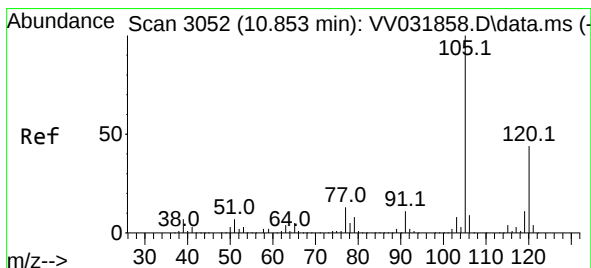
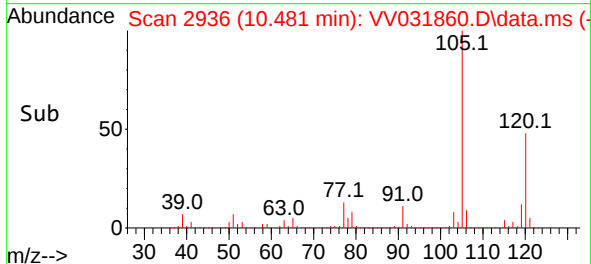
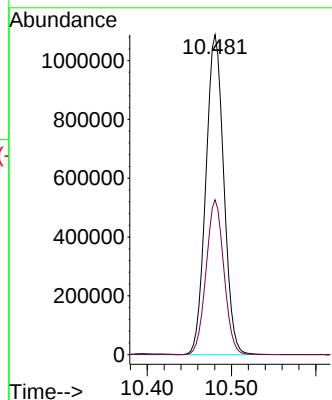
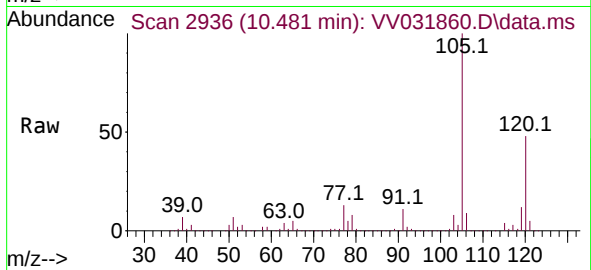
ClientSampleId :

Tgt Ion:105 Resp: 1611679

Ion Ratio Lower Upper

105 100

120 48.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 238.195 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV031860.D

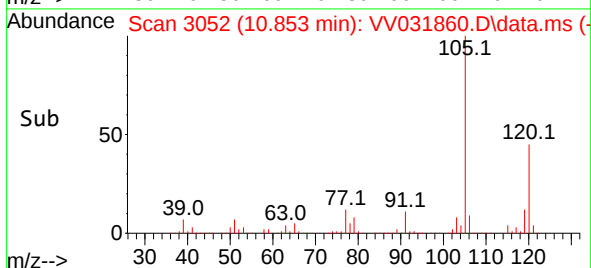
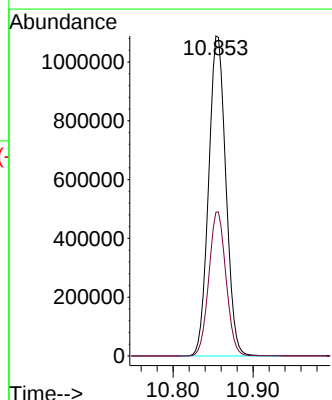
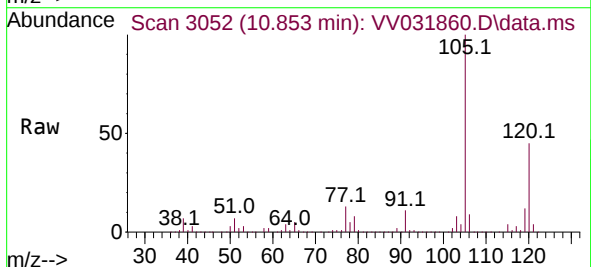
Acq: 23 Aug 2023 11:08

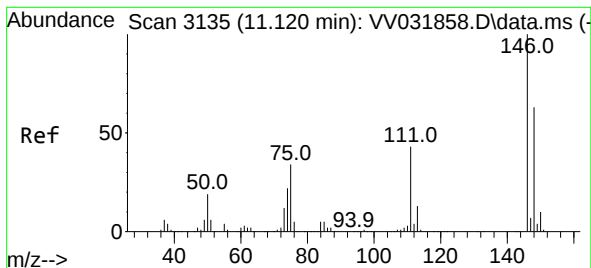
Tgt Ion:105 Resp: 1629156

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 191.993 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

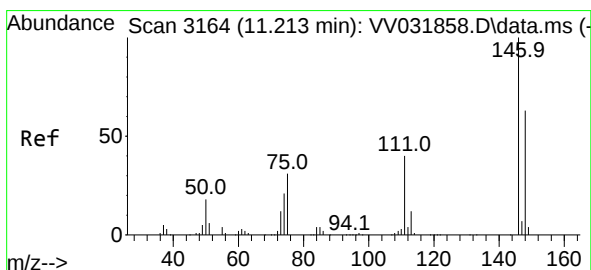
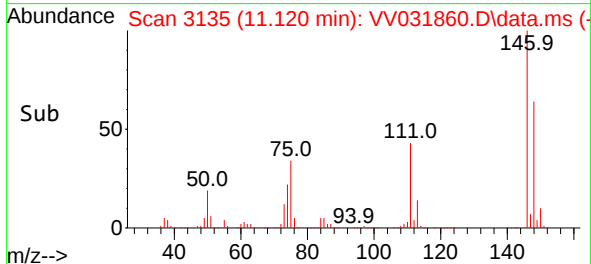
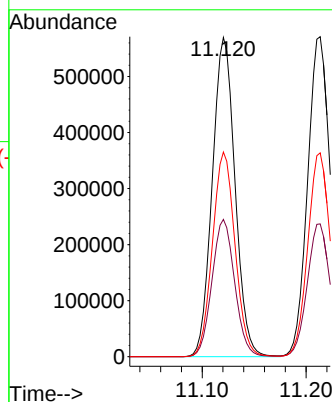
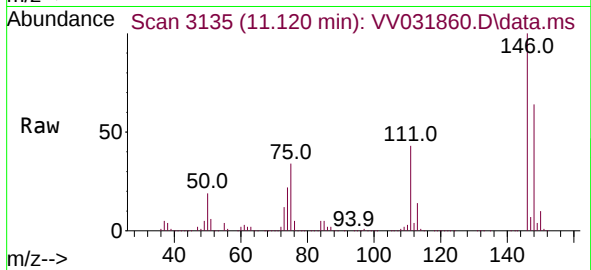
Tgt Ion:146 Resp: 865612

Ion Ratio Lower Upper

146 100

111 43.0 30.2 56.0

148 64.1 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 186.557 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

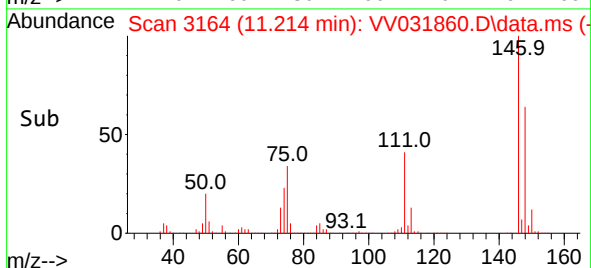
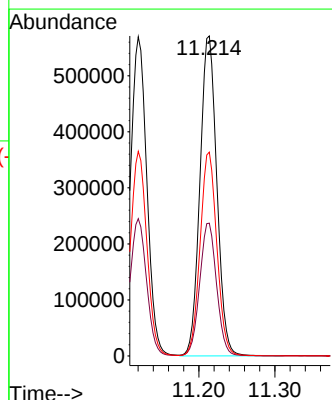
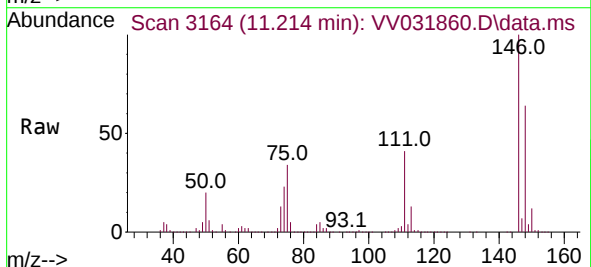
Tgt Ion:146 Resp: 879714

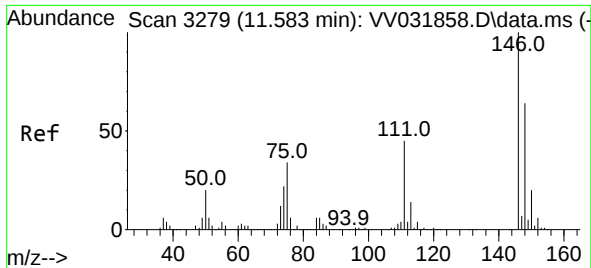
Ion Ratio Lower Upper

146 100

111 41.5 28.5 52.9

148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 188.257 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

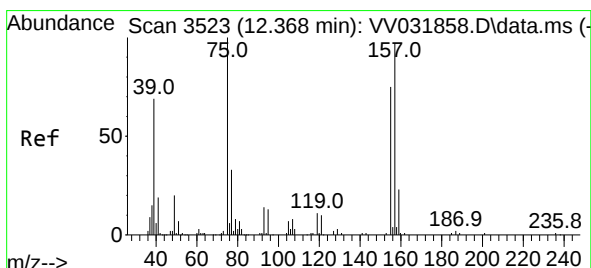
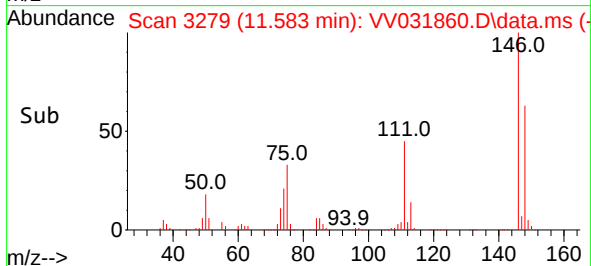
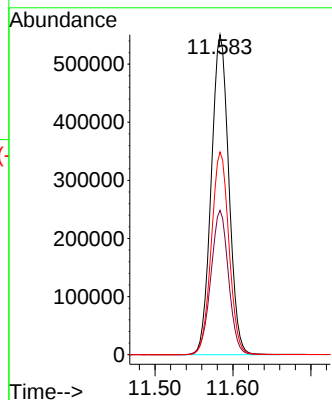
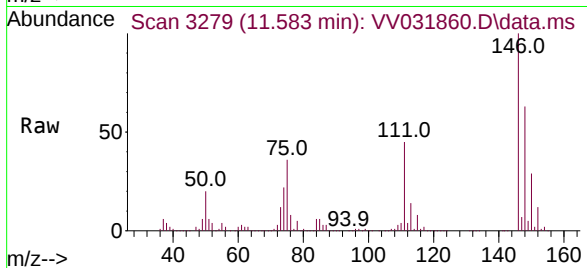
Tgt Ion:146 Resp: 862622

Ion Ratio Lower Upper

146 100

111 45.1 35.8 53.6

148 63.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 217.643 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

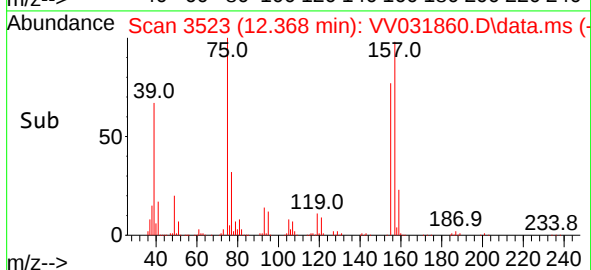
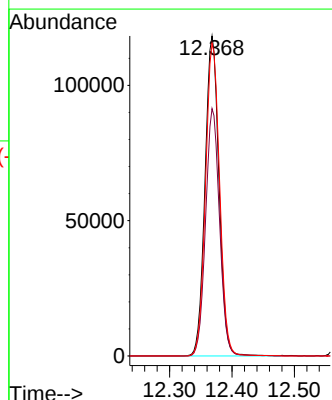
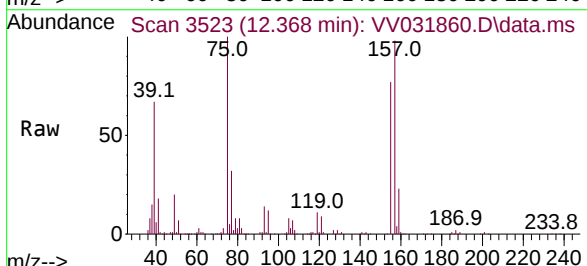
Tgt Ion: 75 Resp: 184581

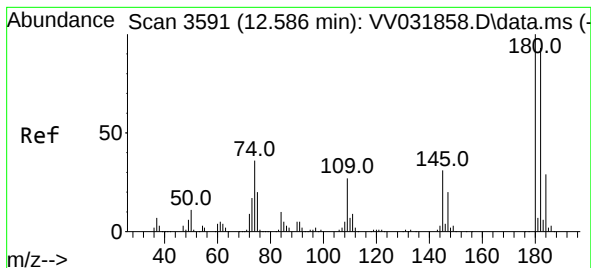
Ion Ratio Lower Upper

75 100

155 77.3 60.1 90.1

157 97.7 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 174.100 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

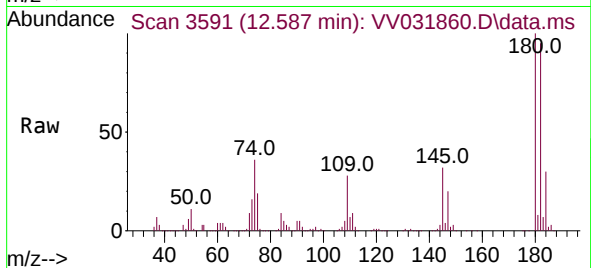
Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 652125

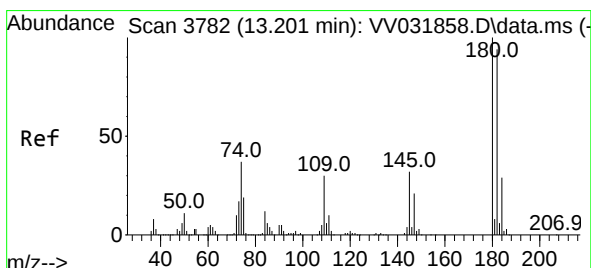
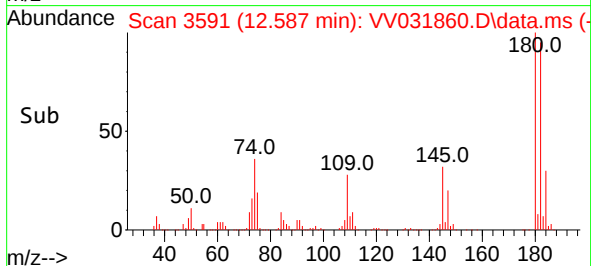
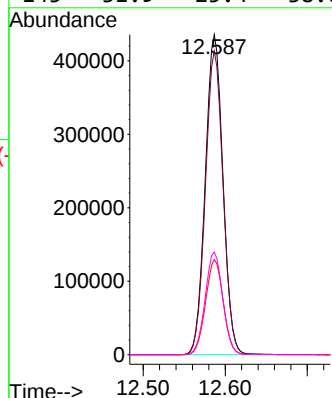
Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

184 29.8 23.7 35.5

145 31.9 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 175.559 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

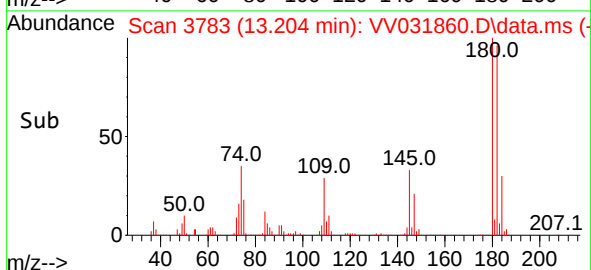
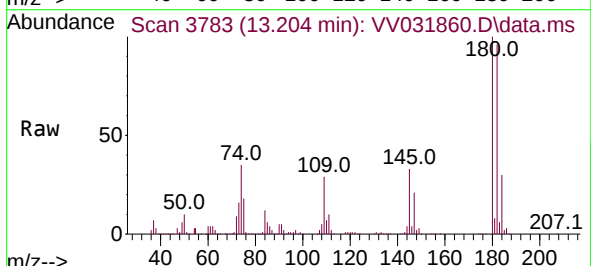
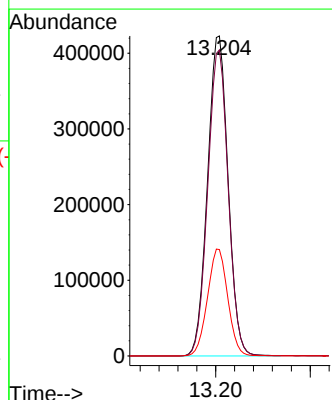
Tgt Ion:180 Resp: 638139

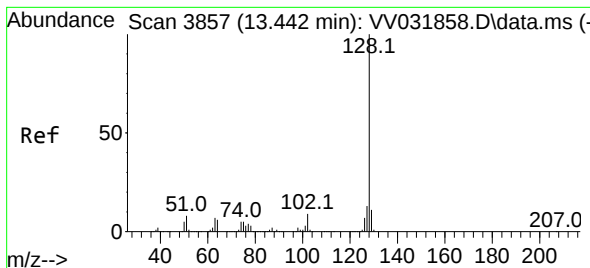
Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.2

145 33.0 26.0 39.0





#71

Naphthalene

Concen: 193.075 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Instrument :

MSVOA_V

ClientSampleId :

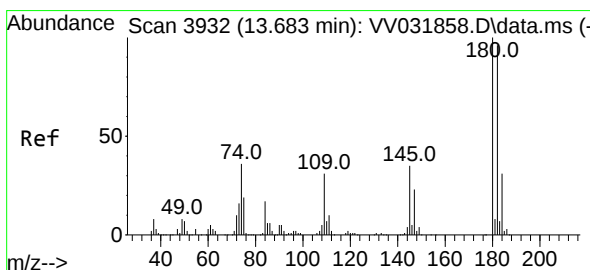
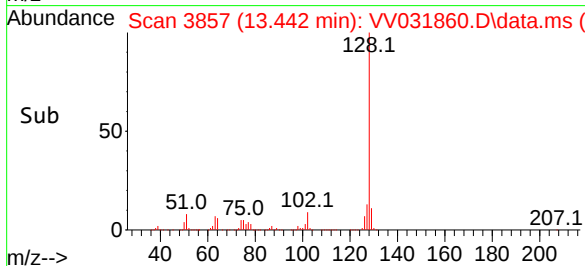
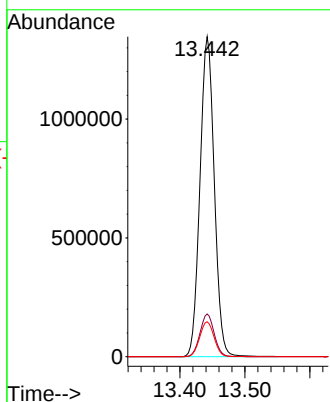
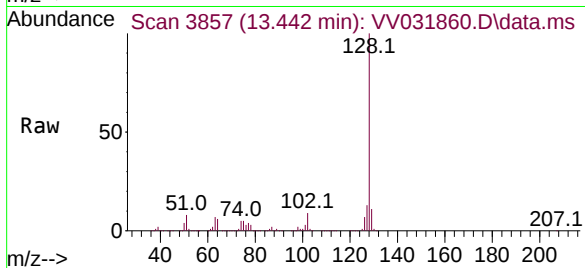
Tgt Ion:128 Resp: 2069632

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 160.632 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV031860.D

Acq: 23 Aug 2023 11:08

Tgt Ion:180 Resp: 608949

Ion Ratio Lower Upper

180 100

182 94.3 76.7 115.1

145 34.6 27.7 41.5

