

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082323\
 Data File : VV031861.D
 Acq On : 23 Aug 2023 11:36
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 01:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	275044	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	274149	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	146198	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	80735	46.903	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.800%
7) Chloroethane-d5	1.529	69	72591	48.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.220%
11) 1,1-Dichloroethene-d2	2.060	65	38753	48.080	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.160%
21) 2-Butanone-d5	3.783	46	140220	103.574	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.570%
24) Chloroform-d	4.249	84	188979	50.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.460%
26) 1,2-Dichloroethane-d4	4.944	65	124085	49.697	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.400%
32) Benzene-d6	4.960	84	367658	49.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.300%
36) 1,2-Dichloropropane-d6	5.989	67	117974	48.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.000%
41) Toluene-d8	7.246	98	339773	49.294	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.580%
43) trans-1,3-Dichloroprop...	7.555	79	63223	50.660	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.320%
47) 2-Hexanone-d5	8.027	63	78207	105.974	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.970%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	156685	50.358	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.720%
66) 1,2-Dichlorobenzene-d4	11.564	152	132480	49.709	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	79778	47.646	ug/L	98
3) Chloromethane	1.214	50	82697	48.434	ug/L	99
5) Vinyl chloride	1.282	62	89622	49.151	ug/L	99
6) Bromomethane	1.484	94	56335	52.473	ug/L	99
8) Chloroethane	1.549	64	59289	48.926	ug/L	98
9) Trichlorofluoromethane	1.712	101	130018	48.916	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	80710	50.291	ug/L	100
12) 1,1-Dichloroethene	2.069	96	70333	48.791	ug/L	92
13) Acetone	2.111	43	114418	94.955	ug/L	100
14) Carbon disulfide	2.240	76	171931	52.345	ug/L	99
15) Methyl Acetate	2.372	43	111803	52.025	ug/L	98
16) Methylene chloride	2.446	84	90162	48.673	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	79232	50.135	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	335888	50.289	ug/L	100
19) 1,1-Dichloroethane	3.111	63	177397	50.088	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	99784	50.327	ug/L	98
22) 2-Butanone	3.867	43	161271	101.145	ug/L	97
23) Bromochloromethane	4.150	128	47911	49.807	ug/L	98
25) Chloroform	4.278	83	181818	49.375	ug/L	96

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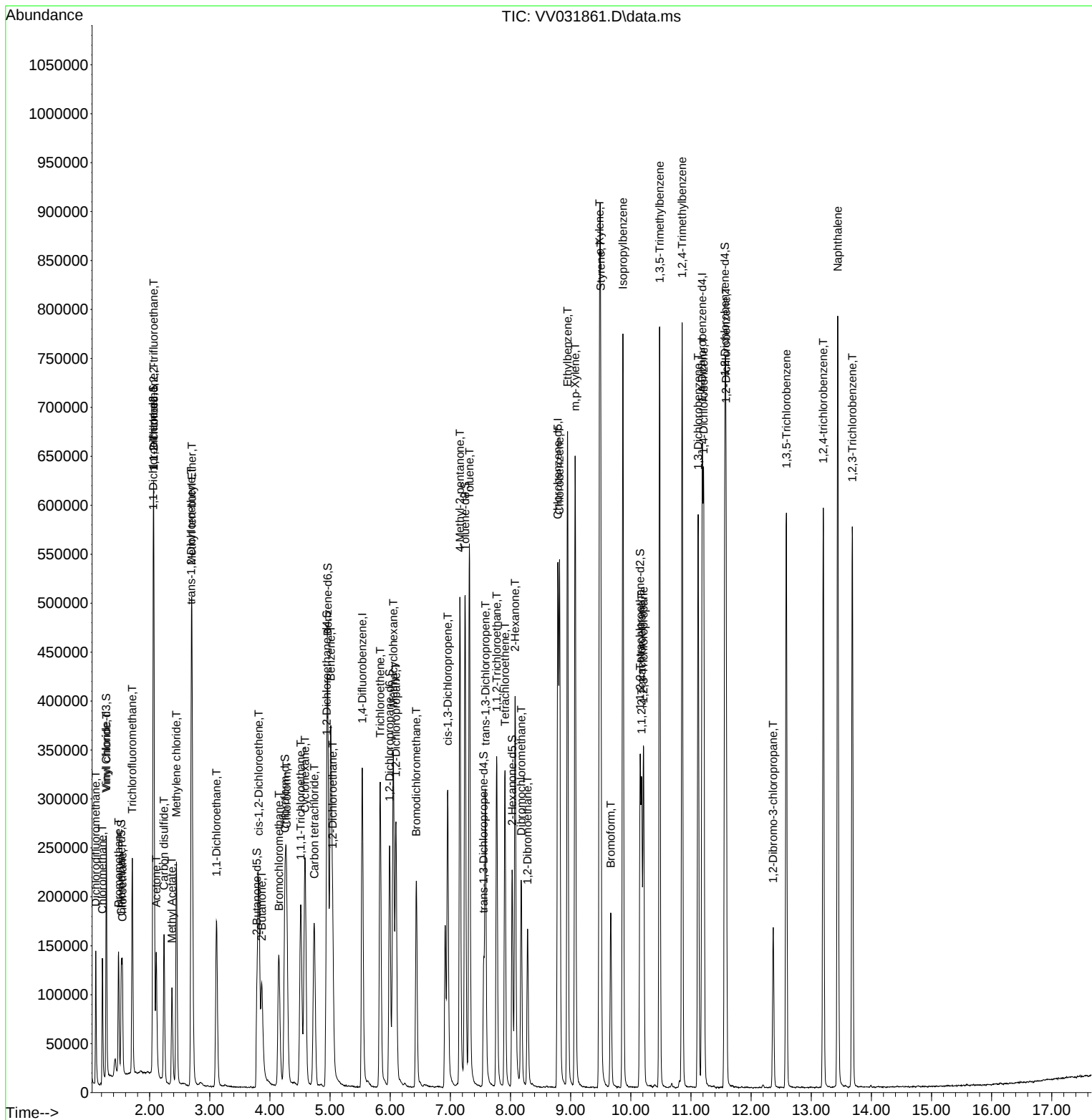
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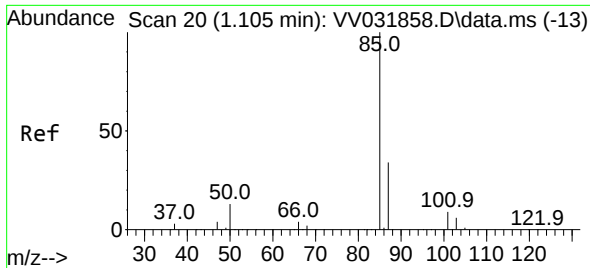
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	143663	49.521	ug/L	98
29) Cyclohexane	4.584	56	139082	48.725	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	155189	48.530	ug/L	99
31) Carbon tetrachloride	4.738	117	129779	47.795	ug/L	98
33) Benzene	5.011	78	362288	49.183	ug/L	100
34) Trichloroethene	5.835	95	107752	47.830	ug/L	99
35) Methylcyclohexane	6.053	83	147628	49.268	ug/L	99
37) 1,2-Dichloropropane	6.095	63	105972	50.755	ug/L	100
38) Bromodichloromethane	6.433	83	141466	47.734	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	182957	50.401	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	338984	102.291	ug/L	99
42) Toluene	7.317	91	397928	49.109	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	173695	49.801	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	103433	49.035	ug/L	99
46) Tetrachloroethene	7.908	164	69596	49.200	ug/L	98
48) 2-Hexanone	8.079	43	259371	102.488	ug/L	99
49) Dibromochloromethane	8.178	129	107799	49.732	ug/L	99
50) 1,2-Dibromoethane	8.285	107	108927	49.303	ug/L	98
51) Chlorobenzene	8.815	112	263451	48.931	ug/L	100
52) Ethylbenzene	8.950	91	469374	48.902	ug/L	99
53) m,p-Xylene	9.076	106	174608	48.995	ug/L	98
54) o-Xylene	9.481	106	173844	49.046	ug/L	100
55) Styrene	9.500	104	311870	49.772	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	147782	49.491	ug/L	98
59) Bromoform	9.667	173	76861	50.698	ug/L	99
60) Isopropylbenzene	9.870	105	484204	49.448	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	138415	50.112	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	408423	49.577	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	408909	49.342	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	219180	49.944	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	223158	50.009	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	213954	49.201	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	42787	51.572	ug/L	99
69) 1,3,5-Trichlorobenzene	12.587	180	162219	50.706	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	163447	53.225	ug/L	99
71) Naphthalene	13.442	128	581050	59.223	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	158828	53.976	ug/L	99

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

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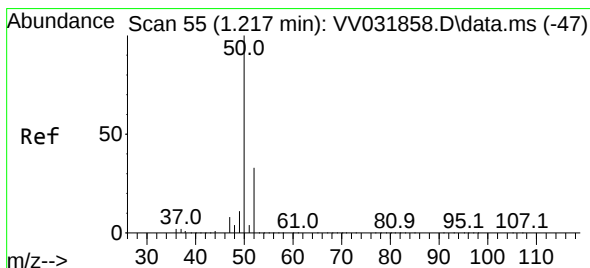
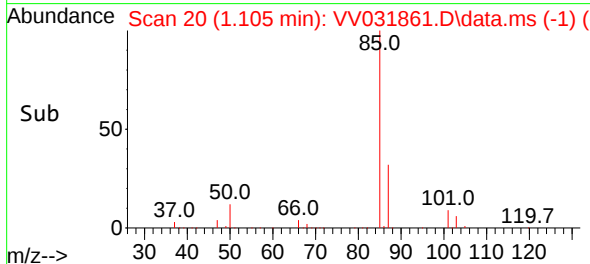
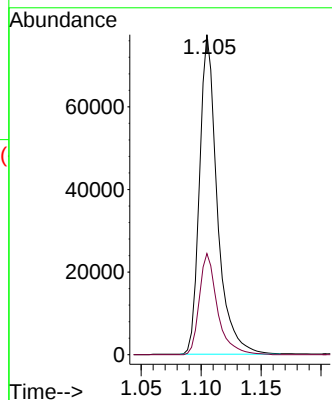
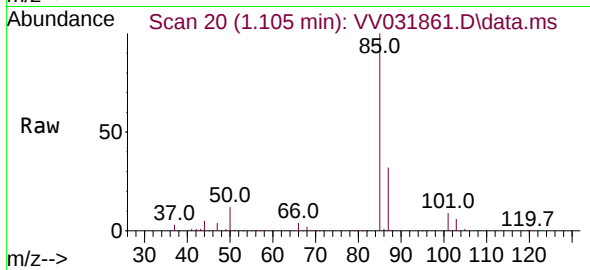




#2
 Dichlorodifluoromethane
 Concen: 47.646 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031861.D
 Acq: 23 Aug 2023 11:36

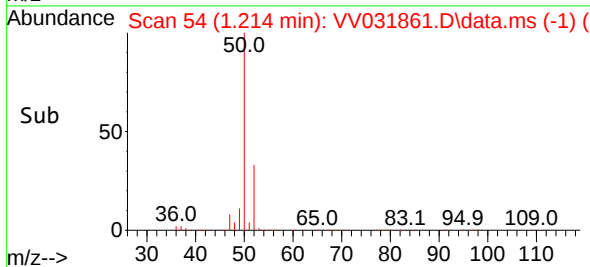
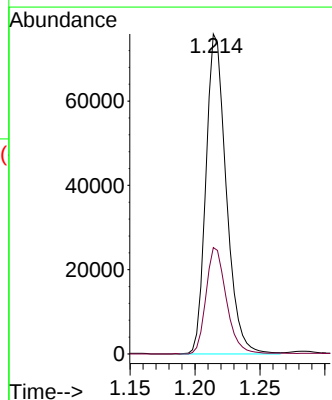
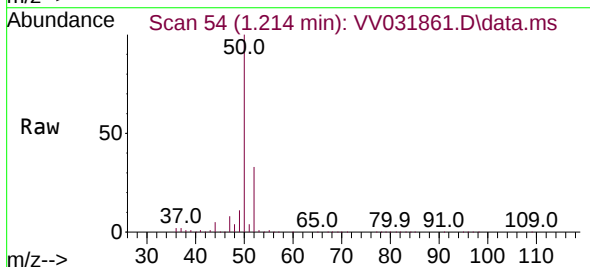
Instrument :
 MSVOA_V
 ClientSampleId :

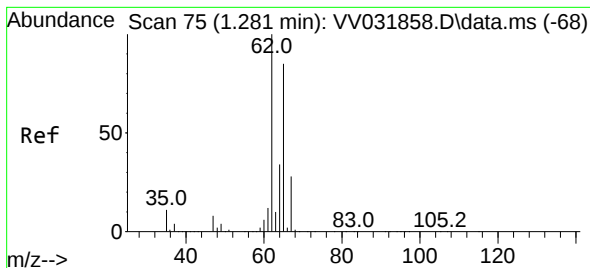
Tgt Ion: 85 Resp: 79778
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.8 40.2



#3
 Chloromethane
 Concen: 48.434 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031861.D
 Acq: 23 Aug 2023 11:36

Tgt Ion: 50 Resp: 82697
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 49.151 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

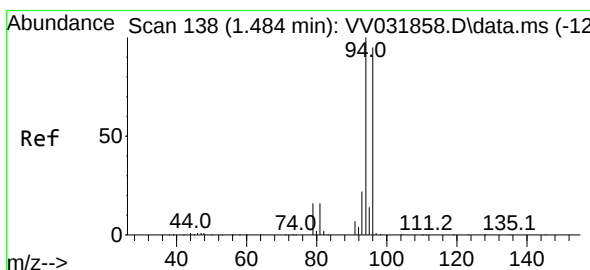
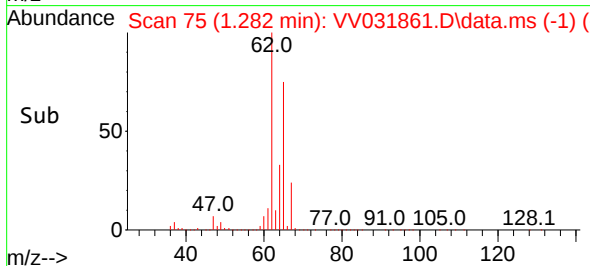
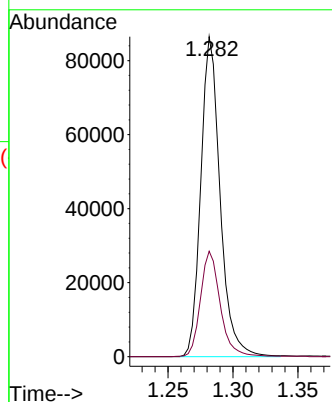
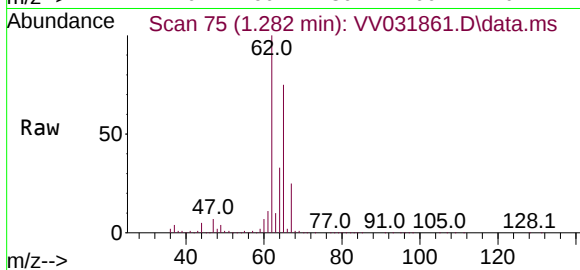
ClientSampleId :

Tgt Ion: 62 Resp: 89622

Ion Ratio Lower Upper

62 100

64 33.0 23.6 43.8



#6

Bromomethane

Concen: 52.473 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV031861.D

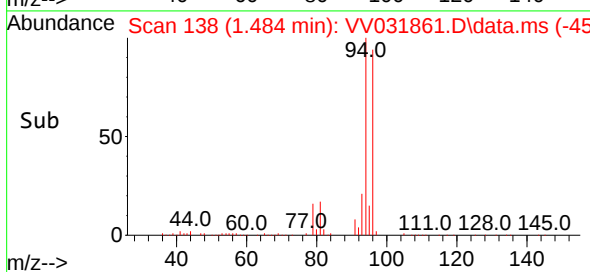
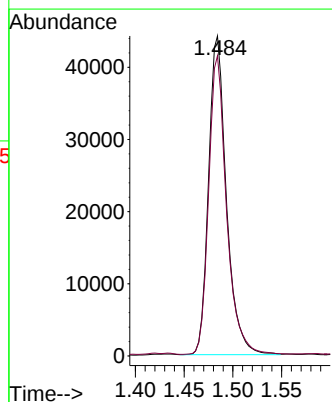
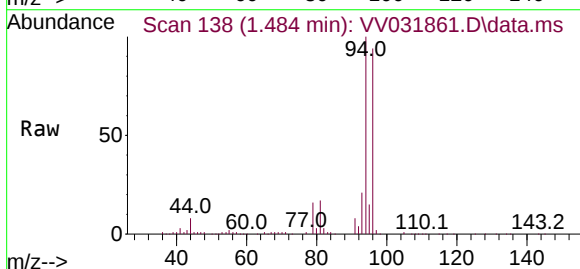
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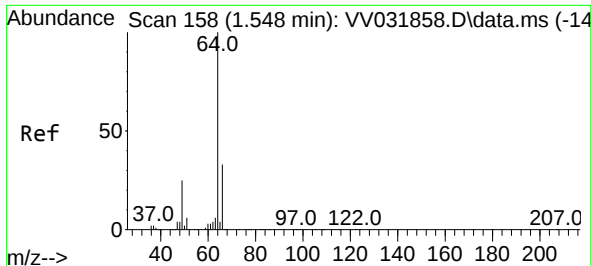
Tgt Ion: 94 Resp: 56335

Ion Ratio Lower Upper

94 100

96 93.8 66.4 123.4

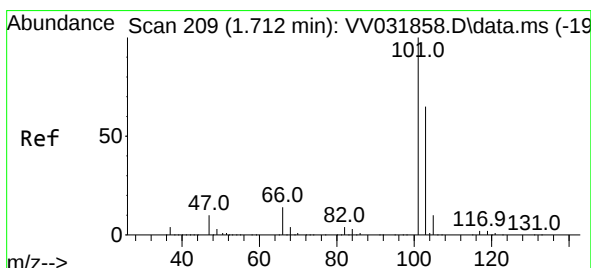
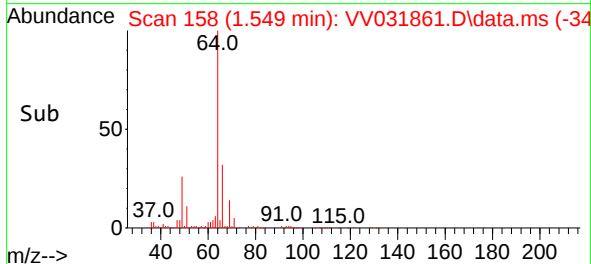
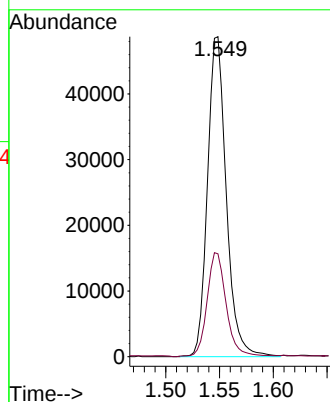
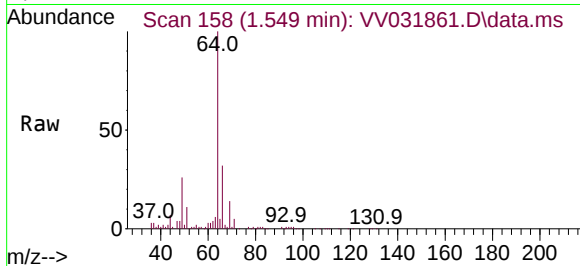




#8
Chloroethane
Concen: 48.926 ug/L
RT: 1.549 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

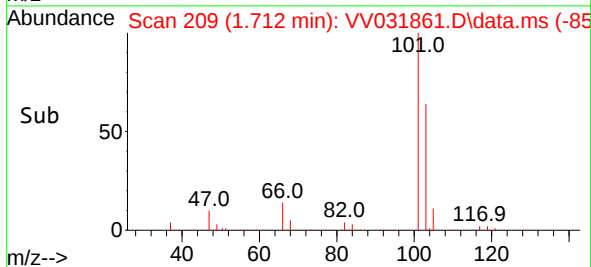
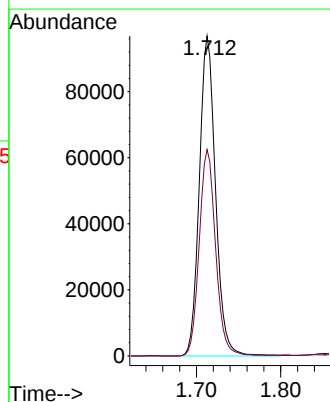
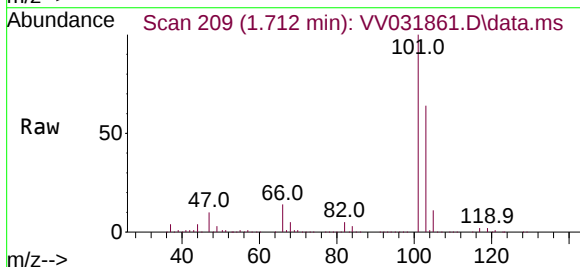
Instrument :
MSVOA_V
ClientSampleId :

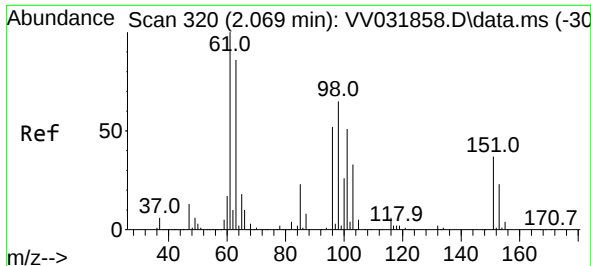
Tgt Ion: 64 Resp: 59289
Ion Ratio Lower Upper
64 100
66 32.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 48.916 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

Tgt Ion: 101 Resp: 130018
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9

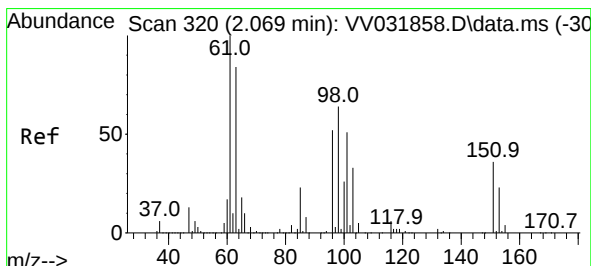
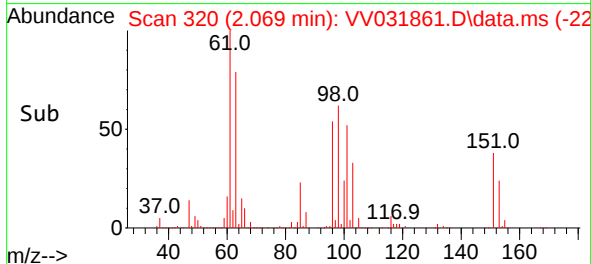
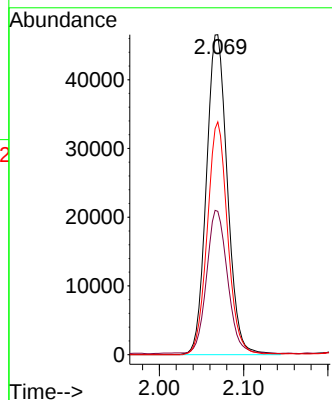
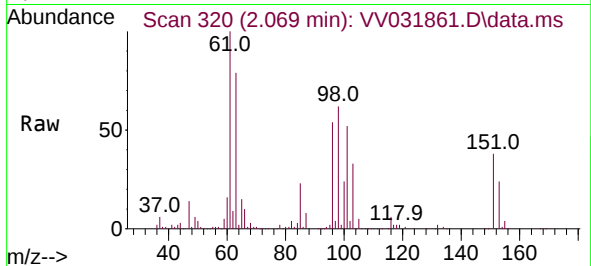




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.291 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031861.D
 Acq: 23 Aug 2023 11:36

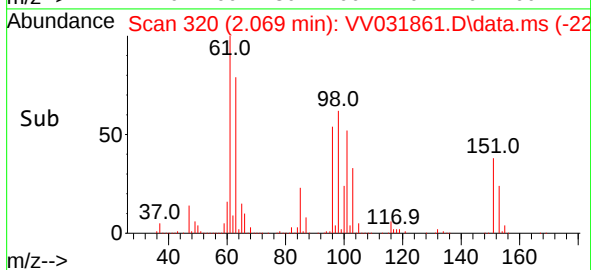
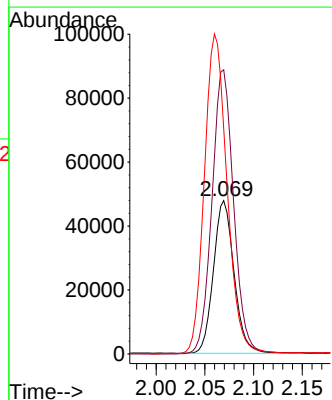
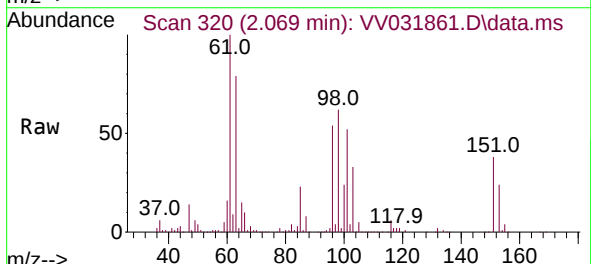
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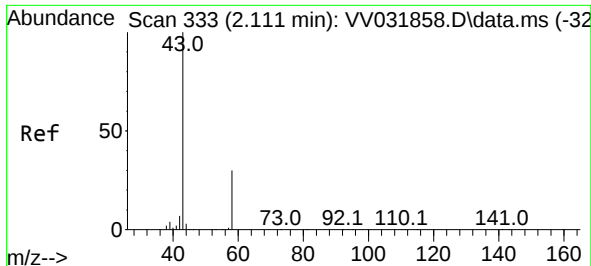
Tgt Ion:101 Resp: 80710
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.8 53.8
 151 70.4 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 48.791 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV031861.D
 Acq: 23 Aug 2023 11:36

Tgt Ion: 96 Resp: 70333
 Ion Ratio Lower Upper
 96 100
 61 185.3 133.8 248.6
 63 147.0 115.2 214.0





#13

Acetone

Concen: 94.955 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

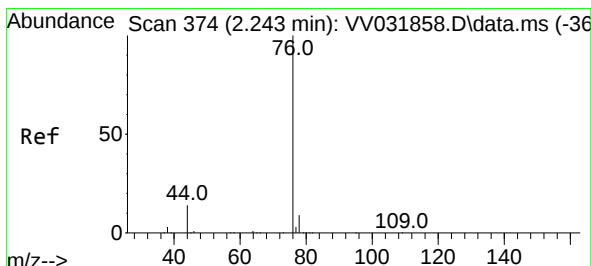
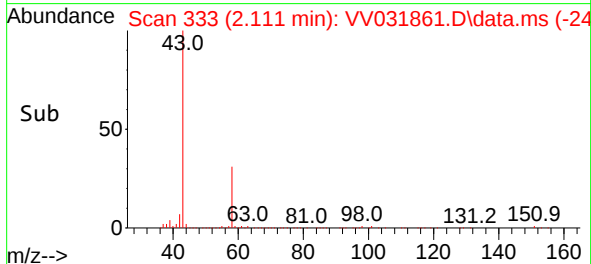
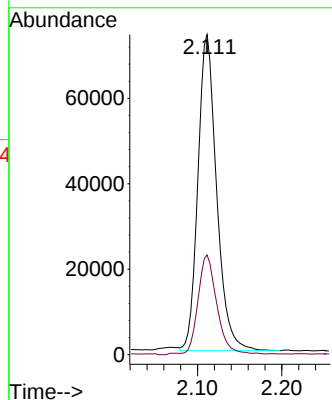
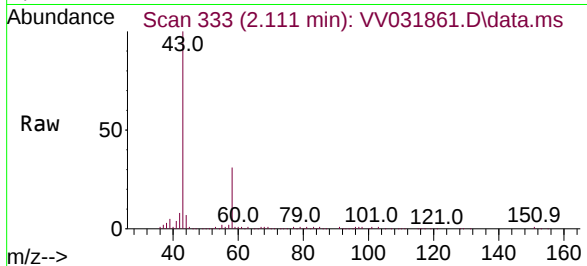
ClientSampleId :

Tgt Ion: 43 Resp: 114418

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.0



#14

Carbon disulfide

Concen: 52.345 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV031861.D

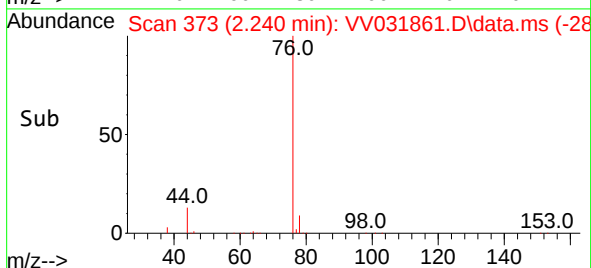
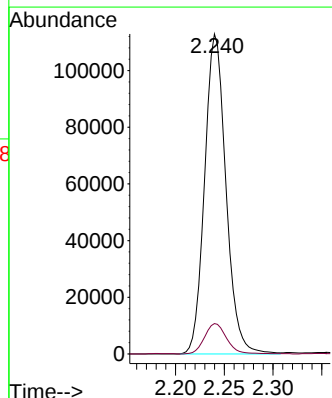
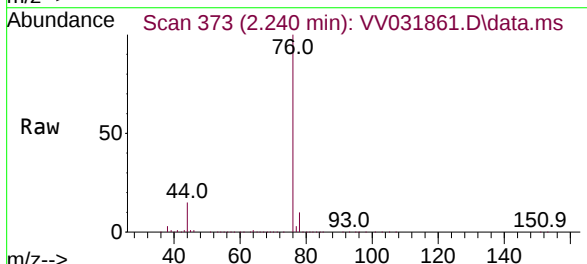
Acq: 23 Aug 2023 11:36

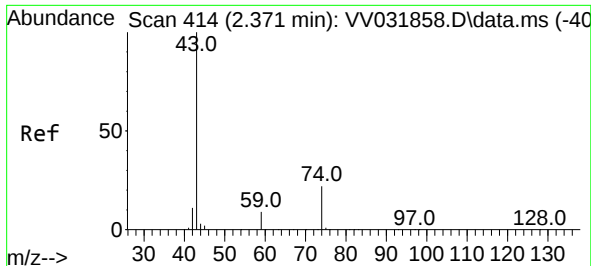
Tgt Ion: 76 Resp: 171931

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

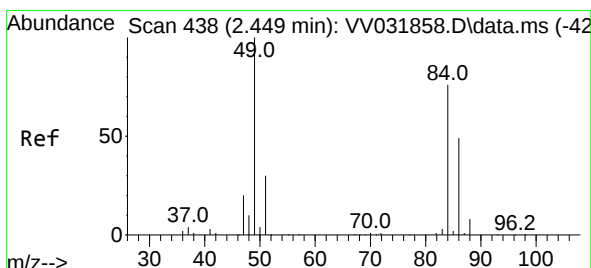
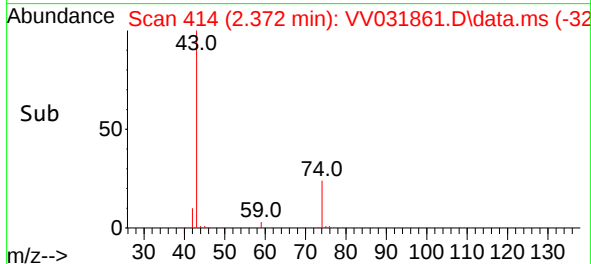
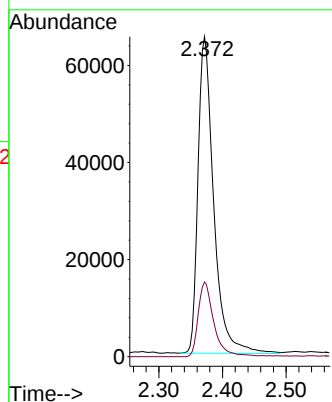
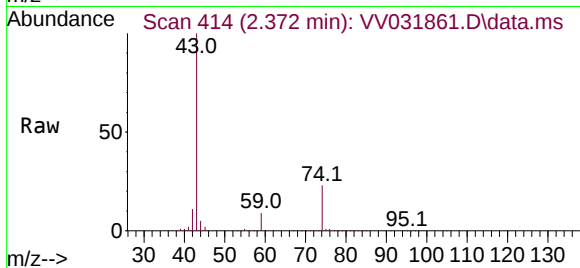




#15
Methyl Acetate
Concen: 52.025 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

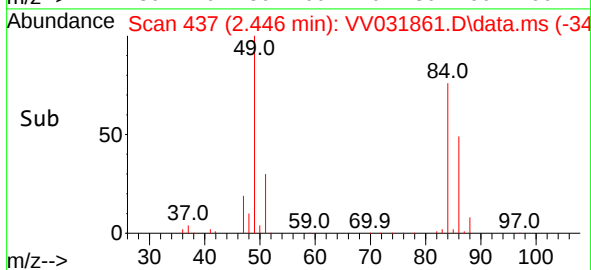
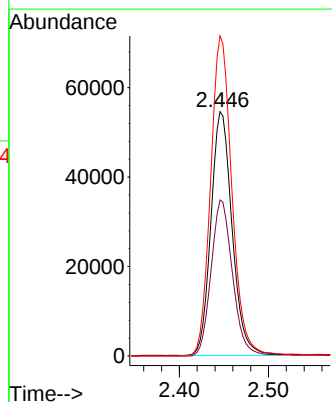
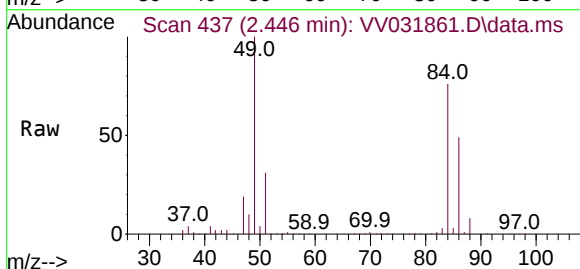
Instrument :
MSVOA_V
ClientSampleId :

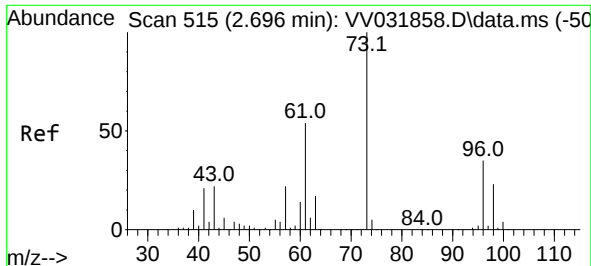
Tgt Ion: 43 Resp: 111803
Ion Ratio Lower Upper
43 100
74 23.4 17.9 26.9



#16
Methylene chloride
Concen: 48.673 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

Tgt Ion: 84 Resp: 90162
Ion Ratio Lower Upper
84 100
86 63.9 44.6 82.8
49 131.0 91.6 170.2





#17

trans-1,2-Dichloroethene

Concen: 50.135 ug/L

RT: 2.693 min Scan# 515

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

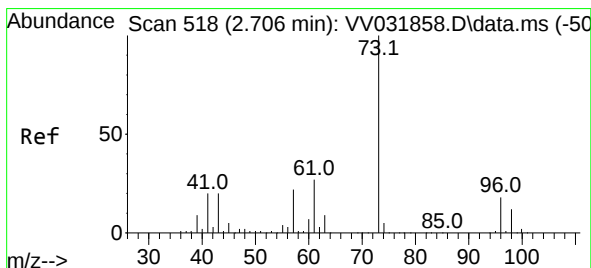
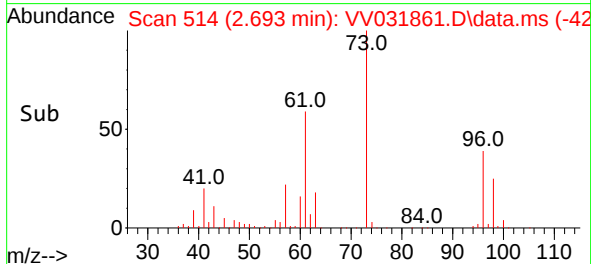
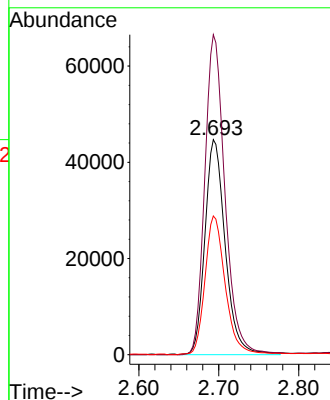
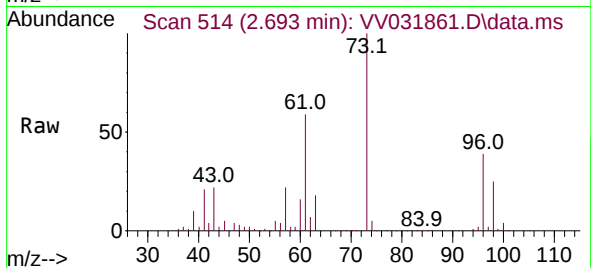
Tgt Ion: 96 Resp: 79232

Ion Ratio Lower Upper

96 100

61 148.8 107.3 199.3

98 64.5 46.3 85.9



#18

Methyl tert-butyl Ether

Concen: 50.289 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

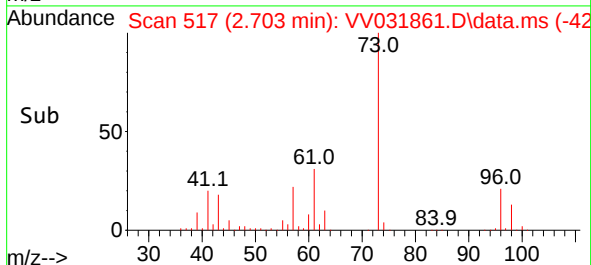
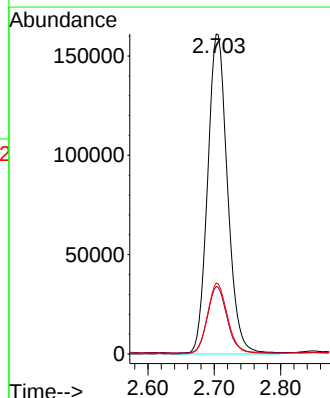
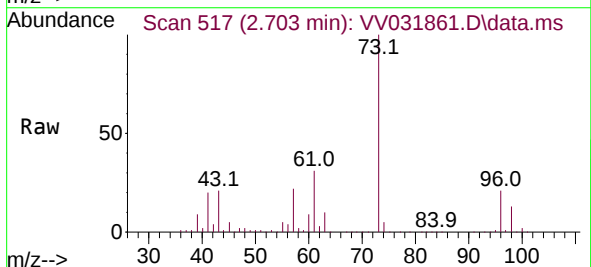
Tgt Ion: 73 Resp: 335888

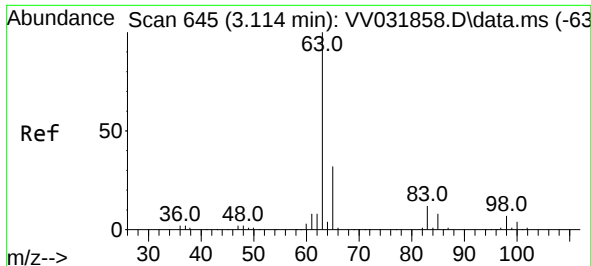
Ion Ratio Lower Upper

73 100

43 20.4 16.6 25.0

57 22.0 17.6 26.4





#19

1,1-Dichloroethane

Concen: 50.088 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

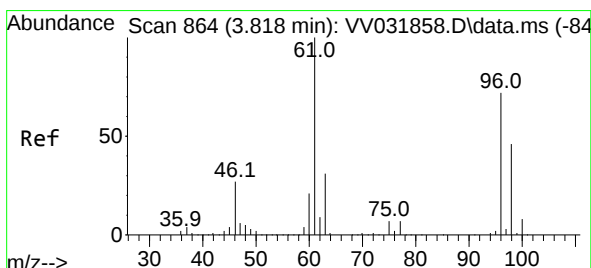
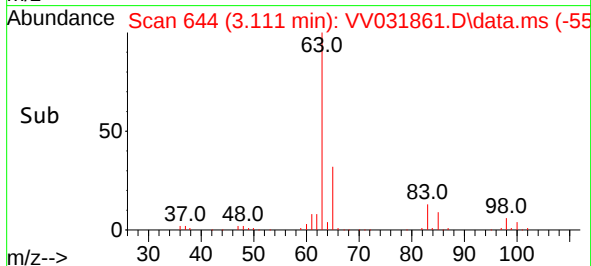
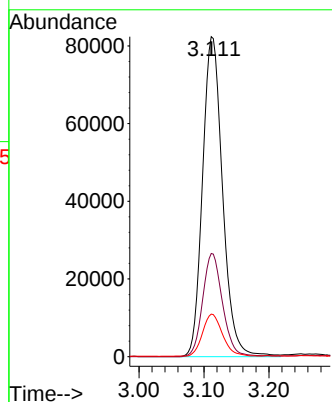
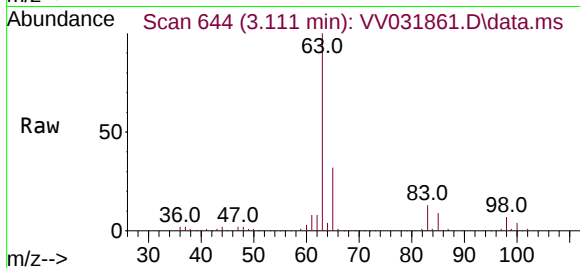
Tgt Ion: 63 Resp: 177397

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

83 13.3 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 50.327 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

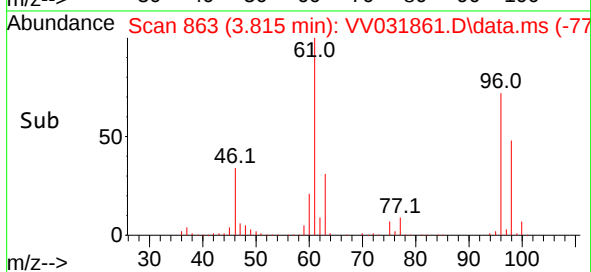
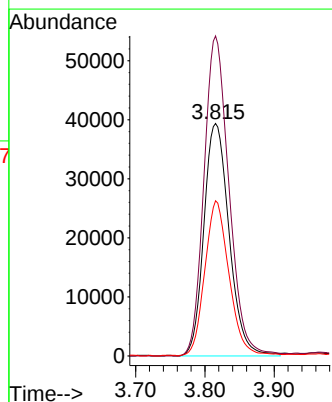
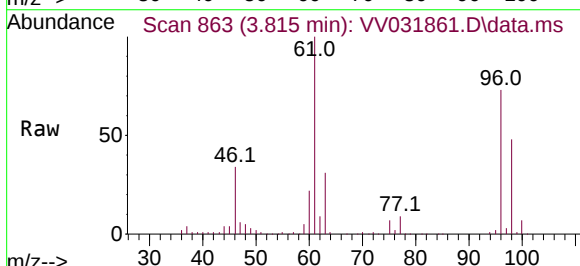
Tgt Ion: 96 Resp: 99784

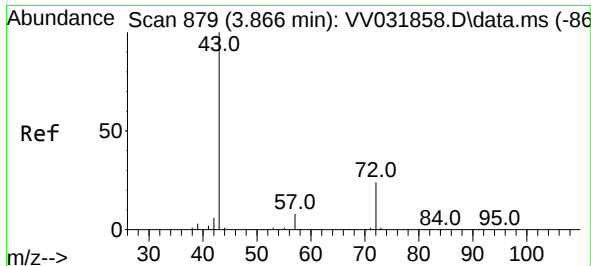
Ion Ratio Lower Upper

96 100

61 137.7 97.3 180.7

98 66.7 45.3 84.1





#22

2-Butanone

Concen: 101.145 ug/L

RT: 3.867 min Scan# 81

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

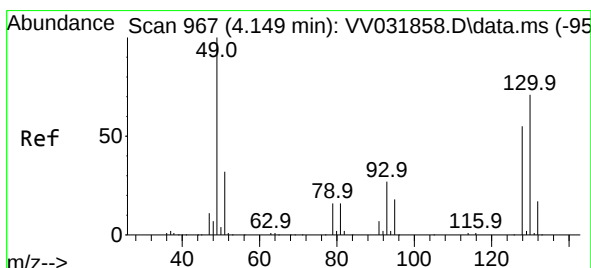
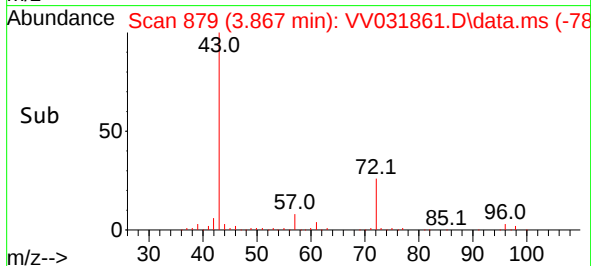
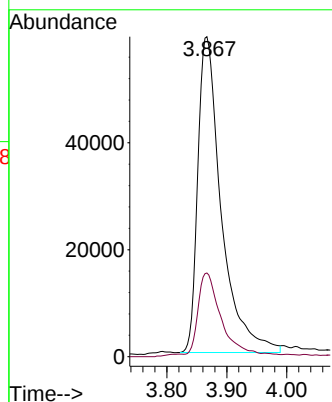
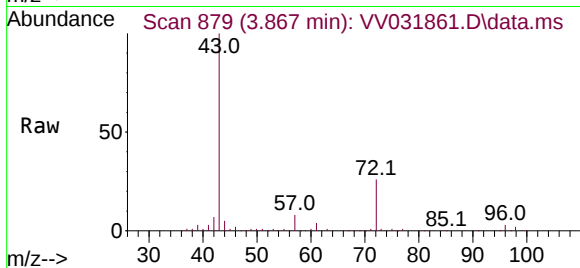
ClientSampleId :

Tgt Ion: 43 Resp: 161271

Ion Ratio Lower Upper

43 100

72 23.9 12.6 37.8



#23

Bromochloromethane

Concen: 49.807 ug/L

RT: 4.150 min Scan# 967

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Tgt Ion:128 Resp: 47911

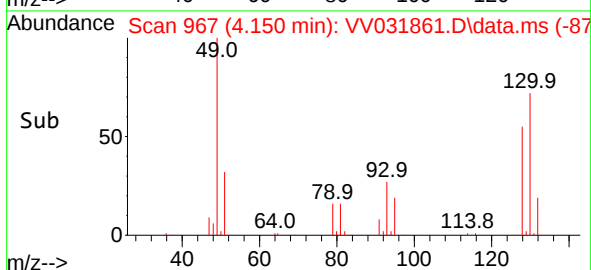
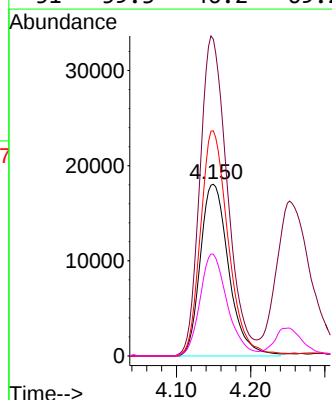
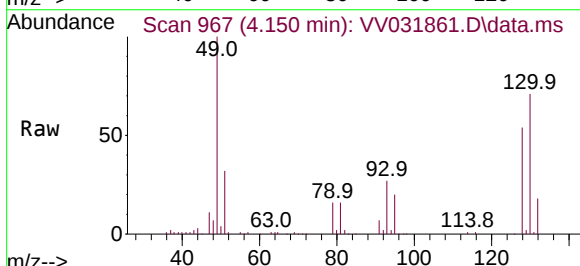
Ion Ratio Lower Upper

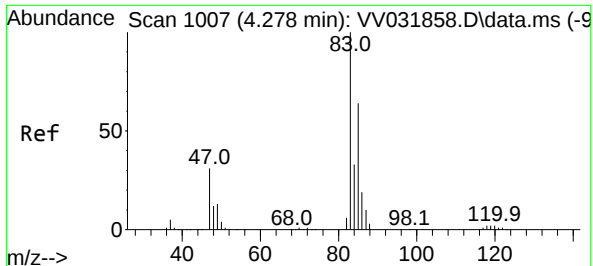
128 100

49 184.5 127.8 237.4

130 131.1 90.1 167.3

51 59.3 46.2 69.2





#25

Chloroform

Concen: 49.375 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

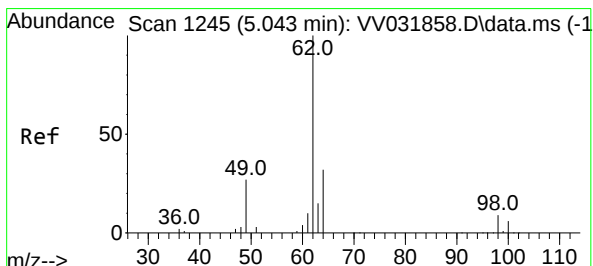
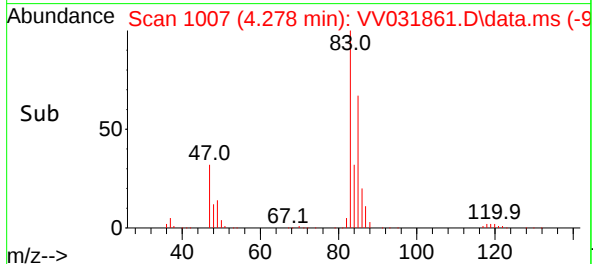
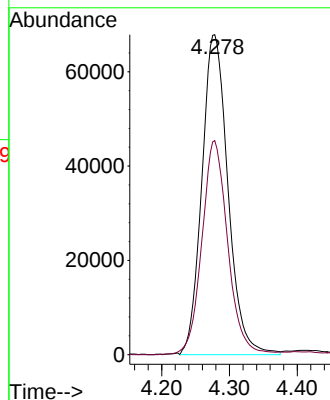
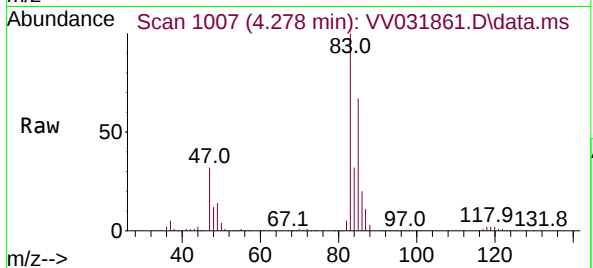
ClientSampleId :

Tgt Ion: 83 Resp: 181818

Ion Ratio Lower Upper

83 100

85 66.9 44.9 83.3



#27

1,2-Dichloroethane

Concen: 49.521 ug/L

RT: 5.044 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV031861.D

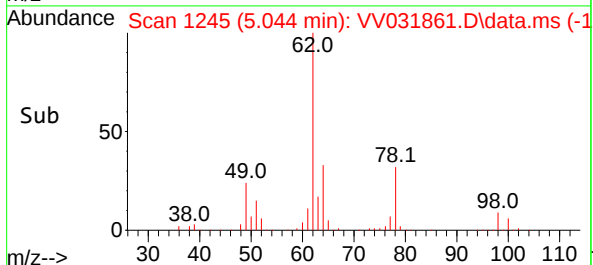
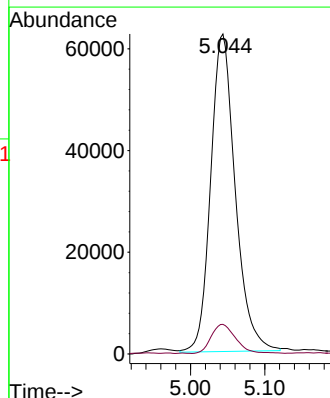
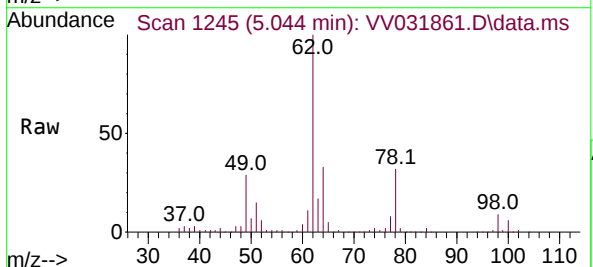
Acq: 23 Aug 2023 11:36

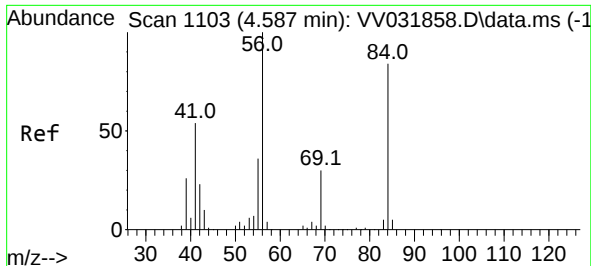
Tgt Ion: 62 Resp: 143663

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.4





#29

Cyclohexane

Concen: 48.725 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

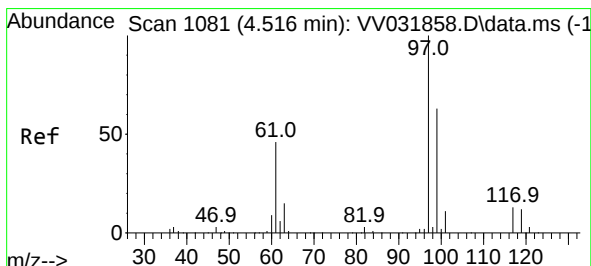
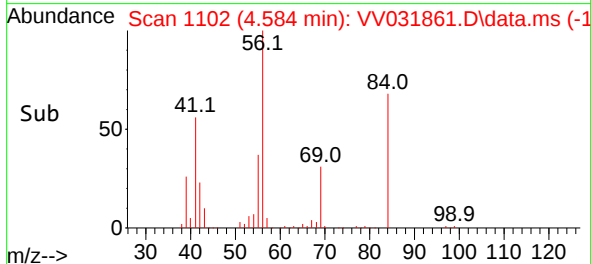
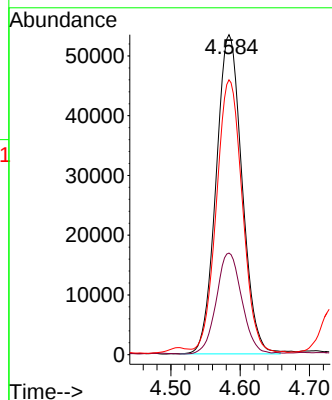
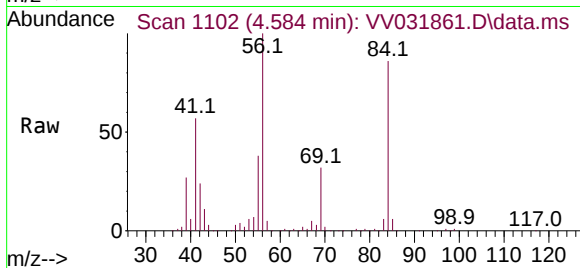
Tgt Ion: 56 Resp: 139082

Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.4

84 85.8 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 48.530 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

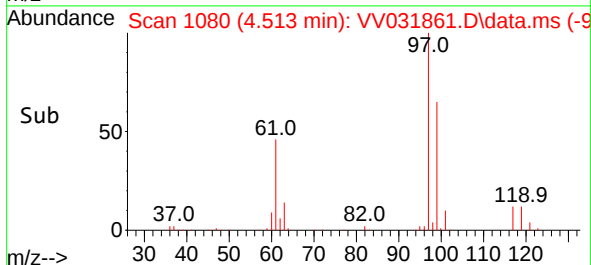
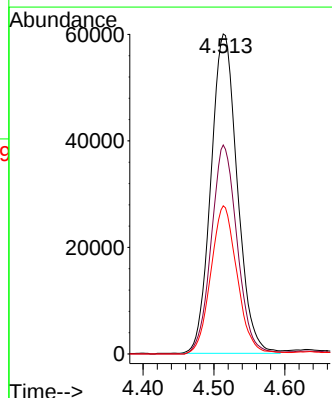
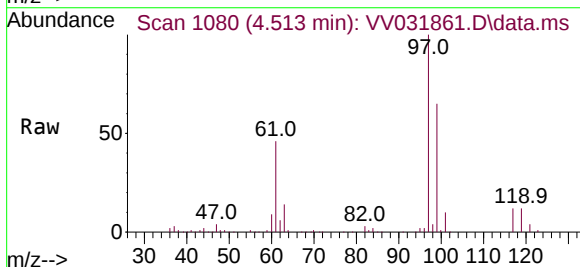
Tgt Ion: 97 Resp: 155189

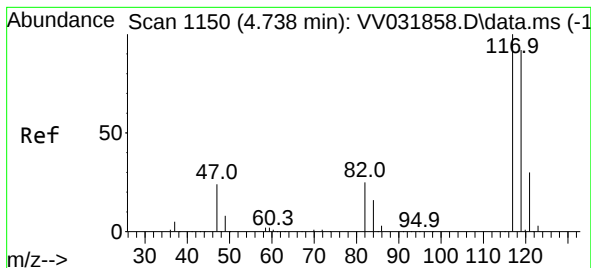
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 46.3 36.5 54.7





#31

Carbon tetrachloride

Concen: 47.795 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

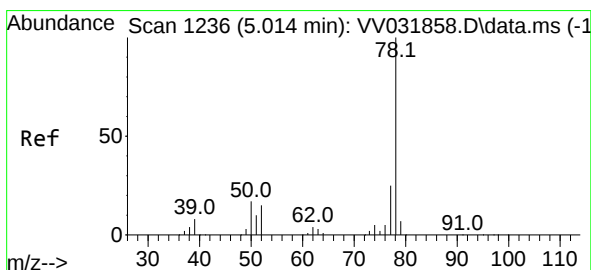
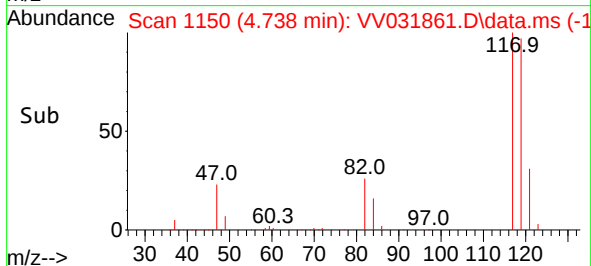
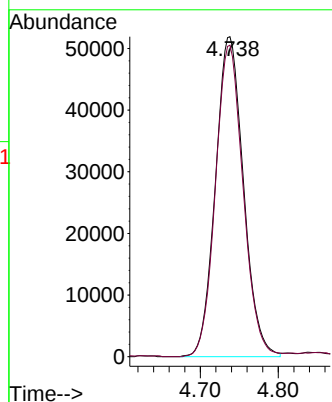
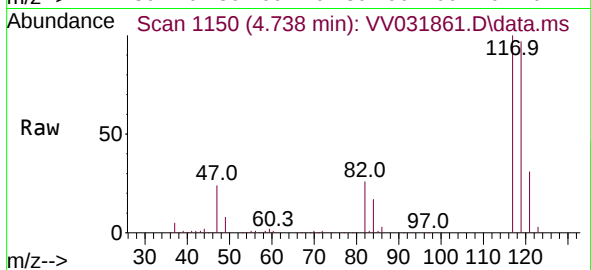
ClientSampleId :

Tgt Ion:117 Resp: 129779

Ion Ratio Lower Upper

117 100

119 96.1 75.4 113.2



#33

Benzene

Concen: 49.183 ug/L

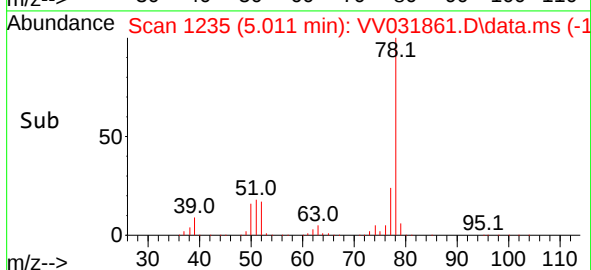
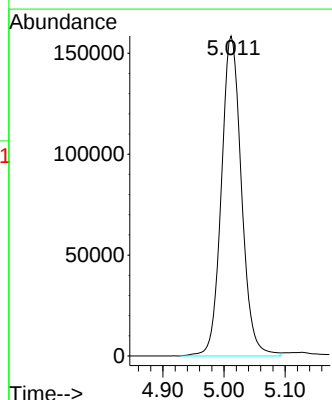
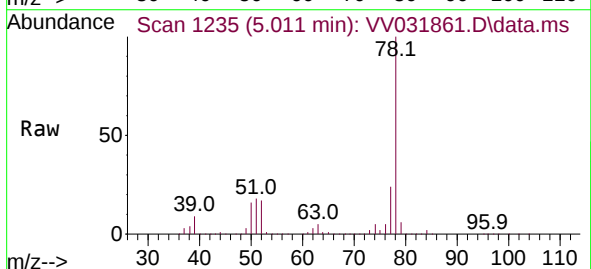
RT: 5.011 min Scan# 1235

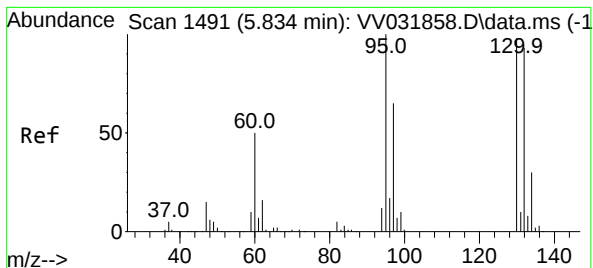
Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Tgt Ion: 78 Resp: 362288





#34

Trichloroethene

Concen: 47.830 ug/L

RT: 5.835 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 107752

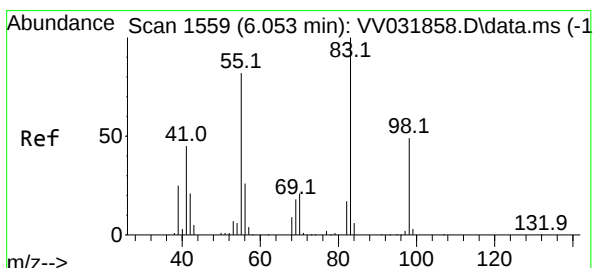
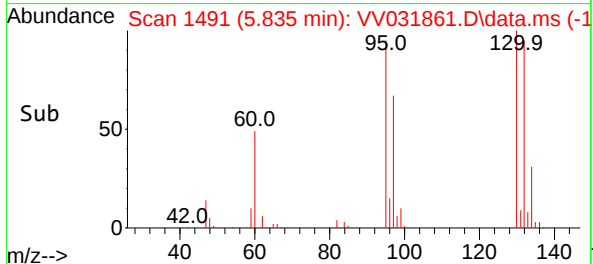
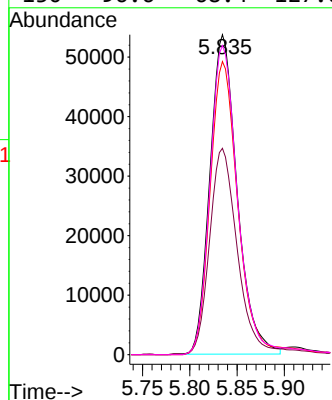
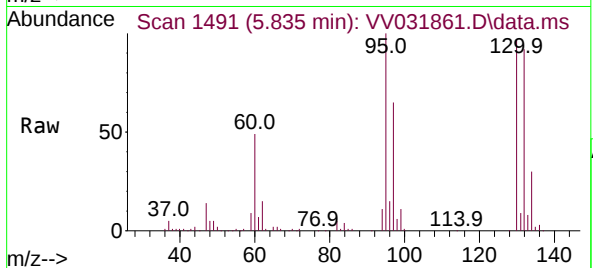
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 91.6 65.4 121.4

130 96.6 68.4 127.0



#35

Methylcyclohexane

Concen: 49.268 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

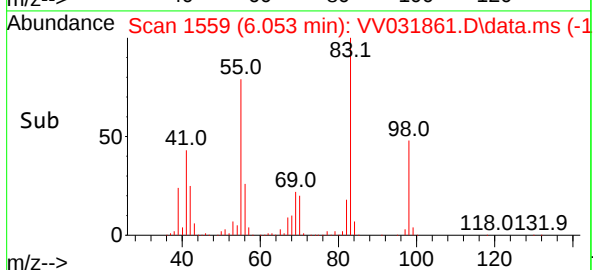
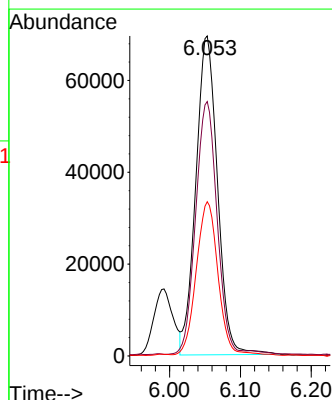
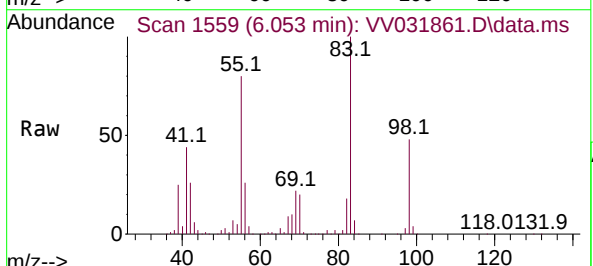
Tgt Ion: 83 Resp: 147628

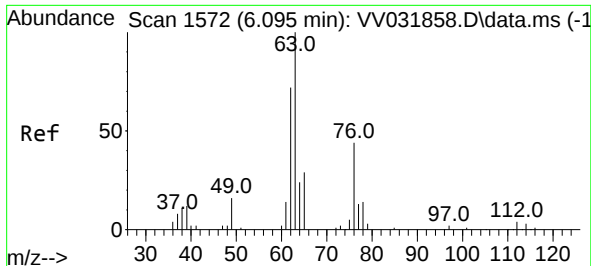
Ion Ratio Lower Upper

83 100

55 78.1 62.2 93.2

98 47.8 36.7 55.1





#37

1,2-Dichloropropane

Concen: 50.755 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

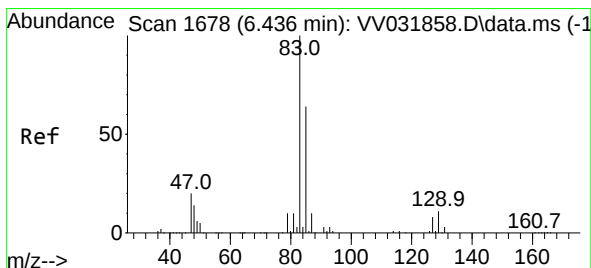
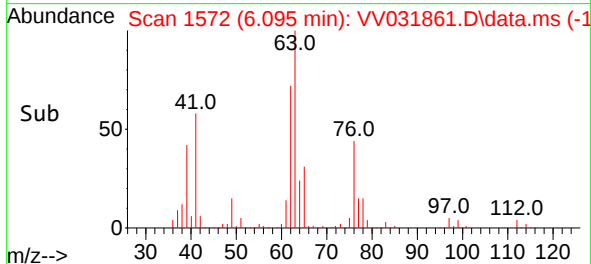
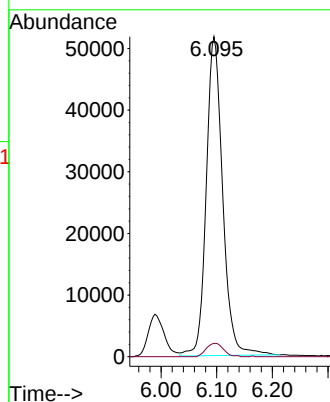
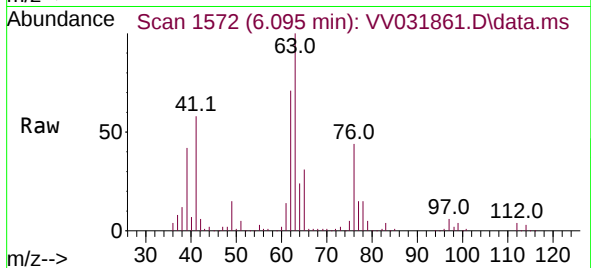
ClientSampleId :

Tgt Ion: 63 Resp: 105972

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 47.734 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

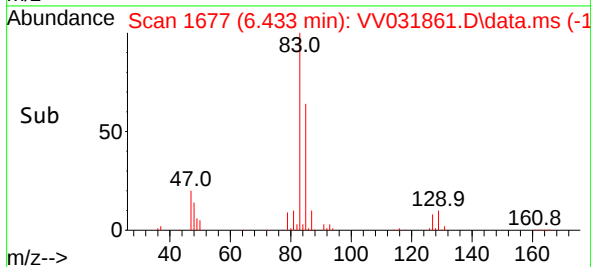
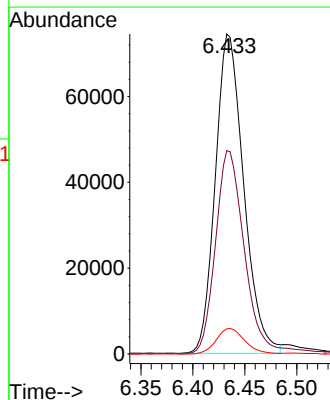
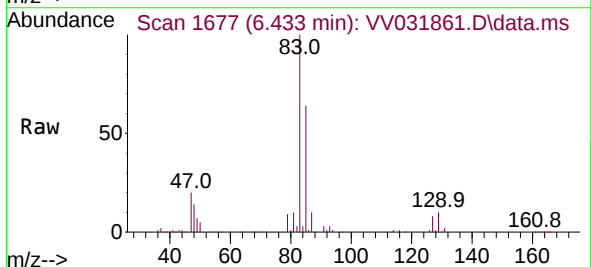
Tgt Ion: 83 Resp: 141466

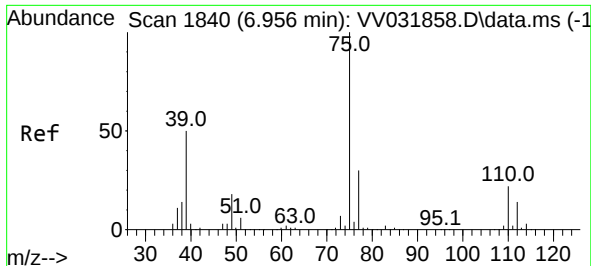
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 50.401 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

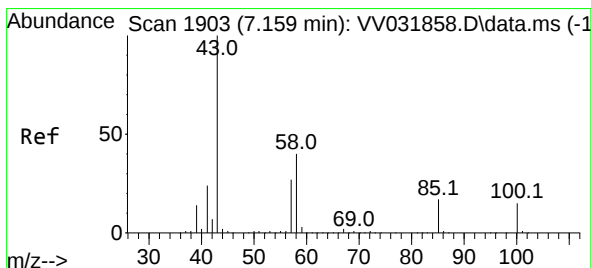
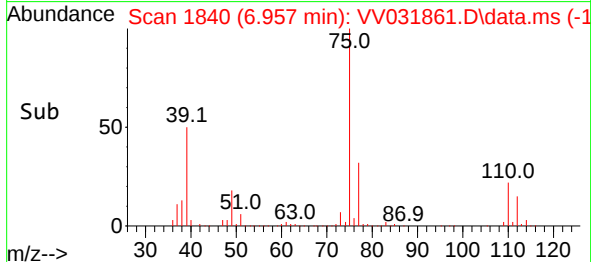
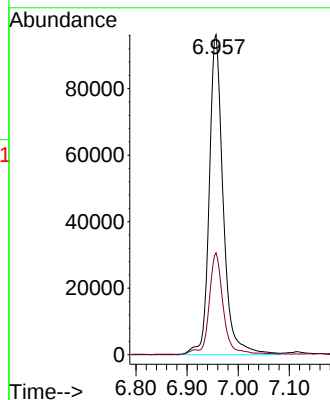
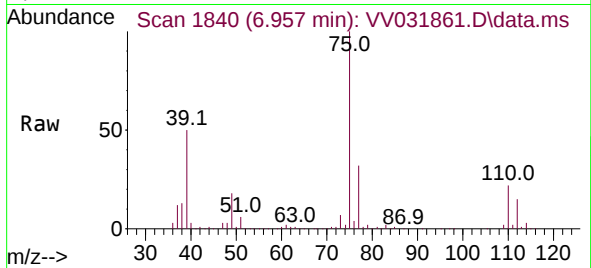
ClientSampleId :

Tgt Ion: 75 Resp: 182957

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 102.291 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

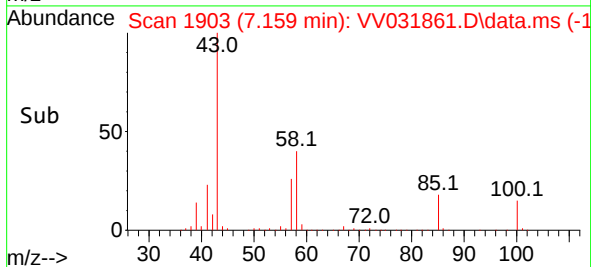
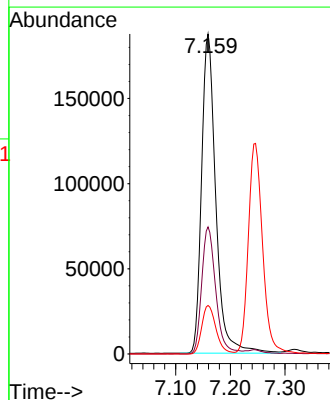
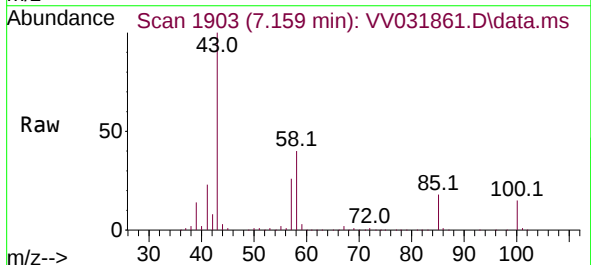
Tgt Ion: 43 Resp: 338984

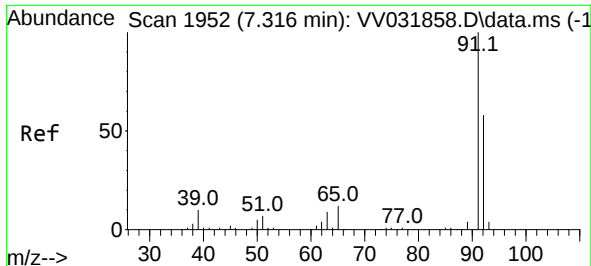
Ion Ratio Lower Upper

43 100

58 39.2 31.1 46.7

100 15.2 11.9 17.9





#42

Toluene

Concen: 49.109 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

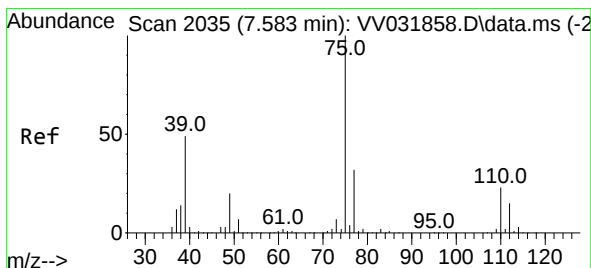
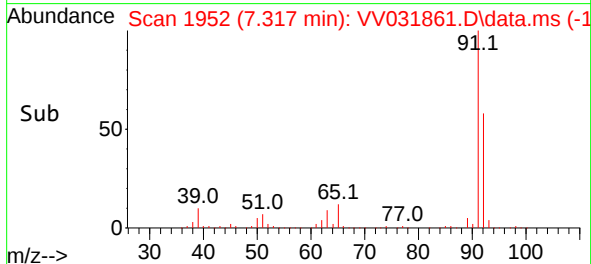
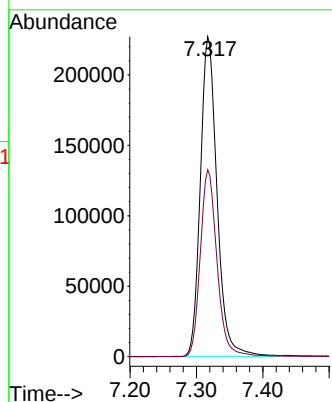
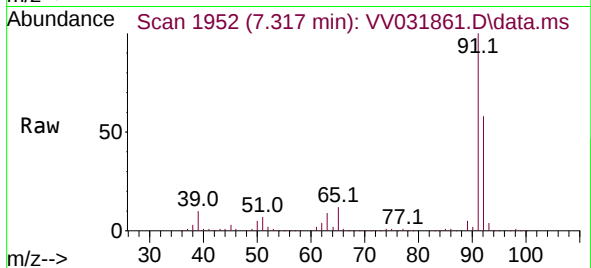
ClientSampleId :

Tgt Ion: 91 Resp: 397928

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.801 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031861.D

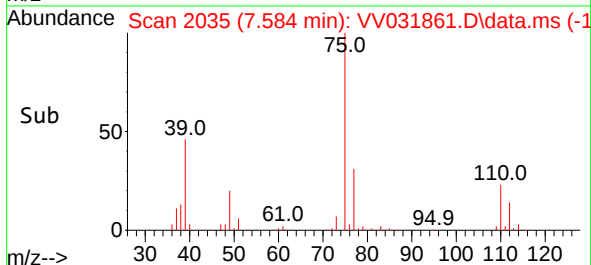
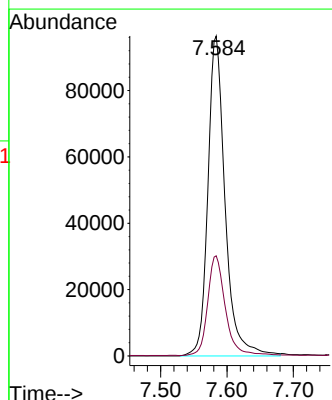
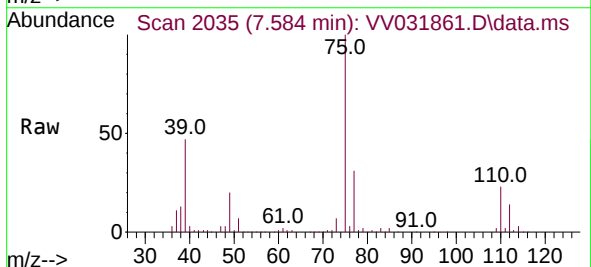
Acq: 23 Aug 2023 11:36

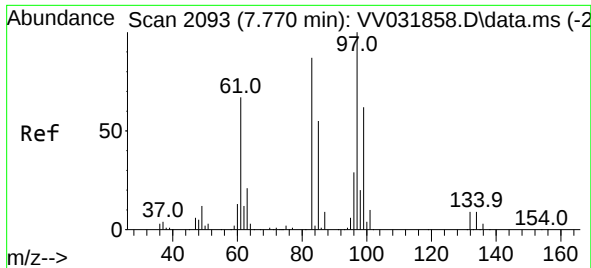
Tgt Ion: 75 Resp: 173695

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



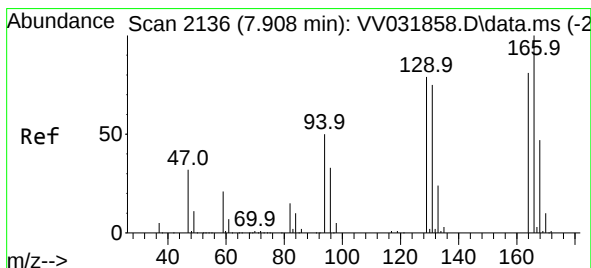
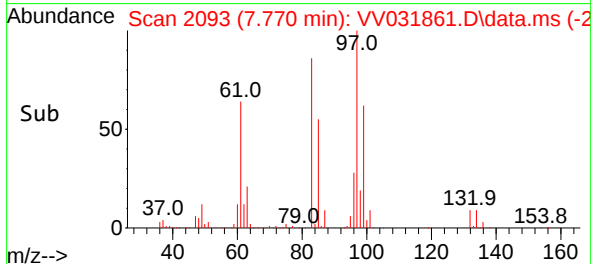
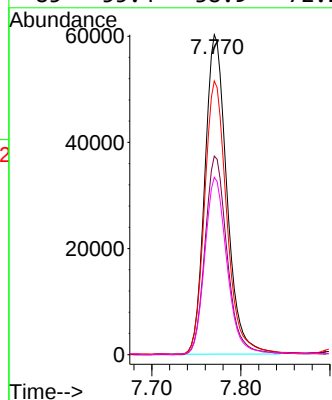
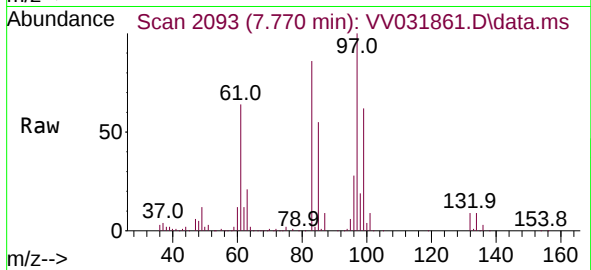


#45
1,1,2-Trichloroethane
Concen: 49.035 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 103433

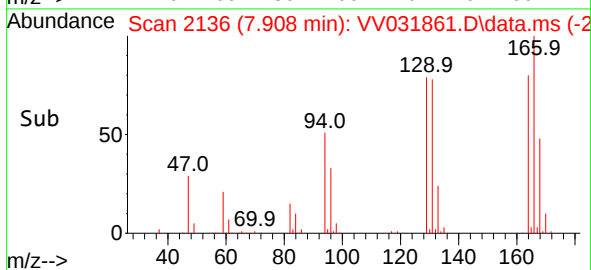
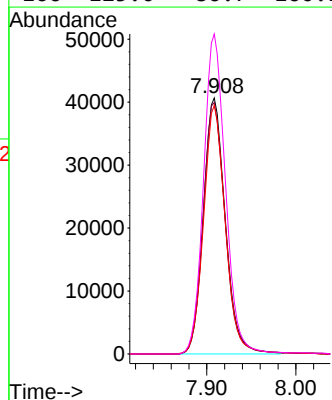
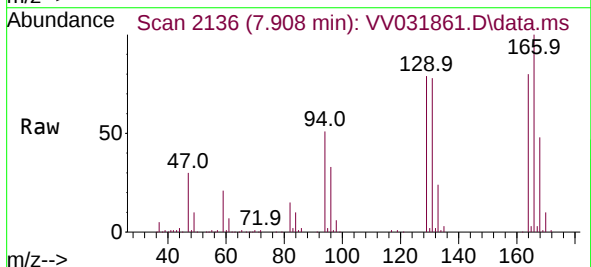
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.0	79.8
83	85.6	61.2	113.6
85	55.4	38.9	72.2

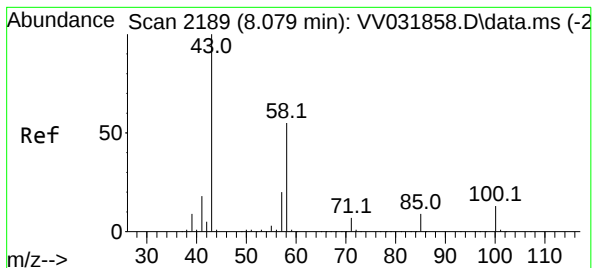


#46
Tetrachloroethene
Concen: 49.200 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

Tgt Ion: 164 Resp: 69596

Ion	Ratio	Lower	Upper
164	100		
129	98.2	68.3	126.9
131	97.1	64.9	120.5
166	125.0	86.7	160.9





#48

2-Hexanone

Concen: 102.488 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 259371

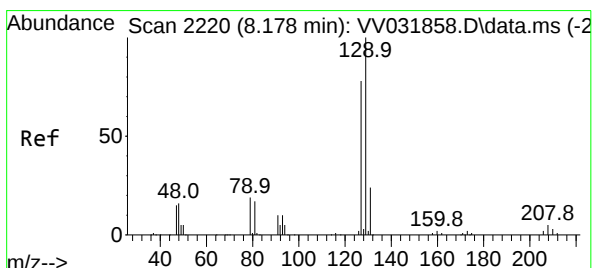
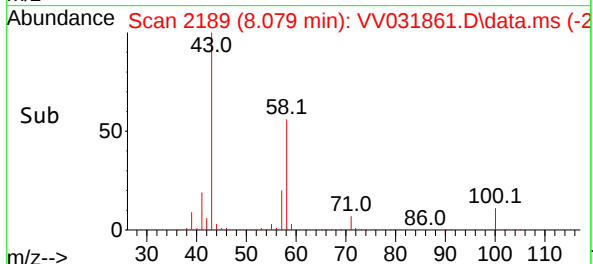
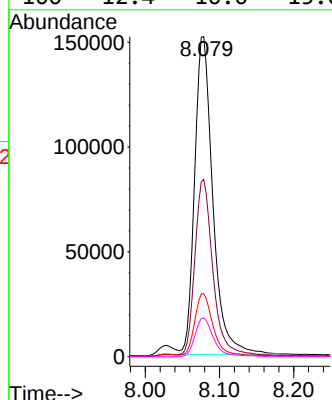
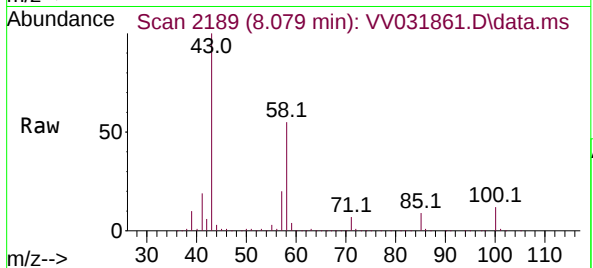
Ion Ratio Lower Upper

43 100

58 55.0 44.0 66.0

57 18.9 15.9 23.9

100 12.4 10.0 15.0



#49

Dibromochloromethane

Concen: 49.732 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.000 min

Lab File: VV031861.D

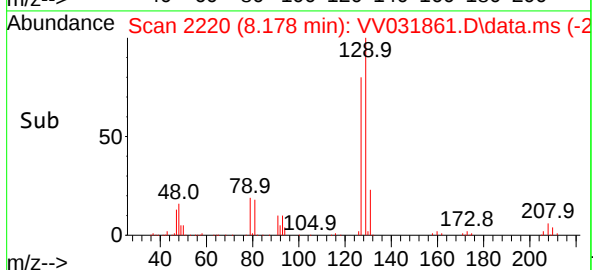
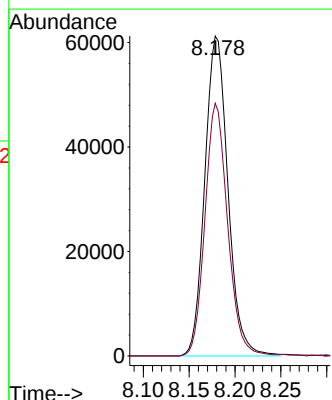
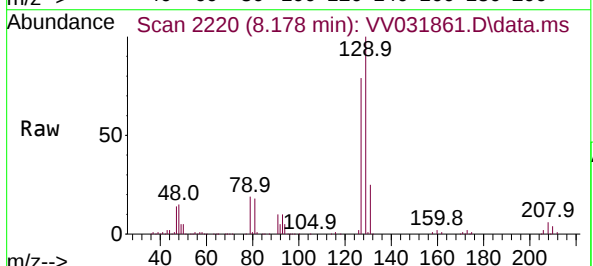
Acq: 23 Aug 2023 11:36

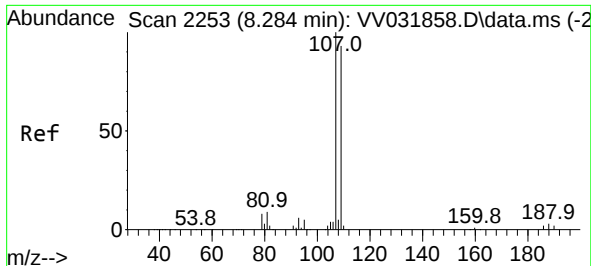
Tgt Ion: 129 Resp: 107799

Ion Ratio Lower Upper

129 100

127 79.0 54.7 101.7





#50

1,2-Dibromoethane

Concen: 49.303 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

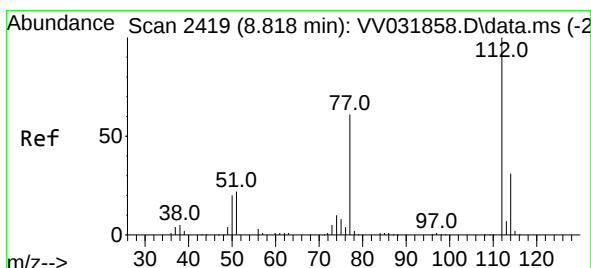
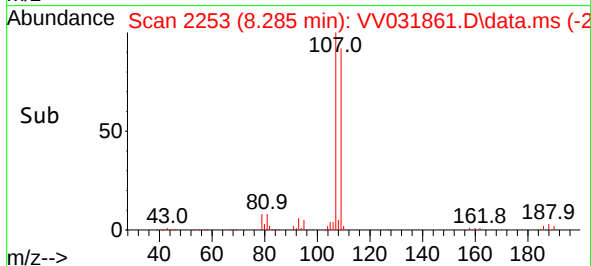
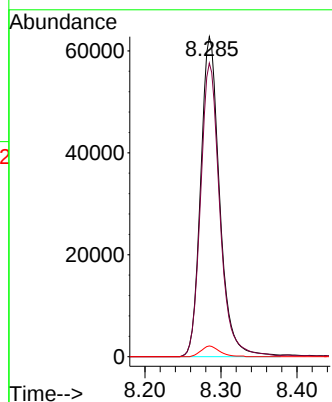
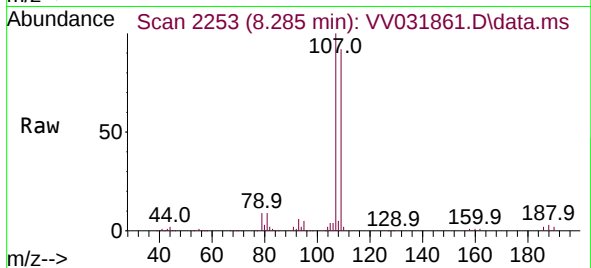
Tgt Ion:107 Resp: 108927

Ion Ratio Lower Upper

107 100

109 91.8 65.4 121.4

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 48.931 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.003 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

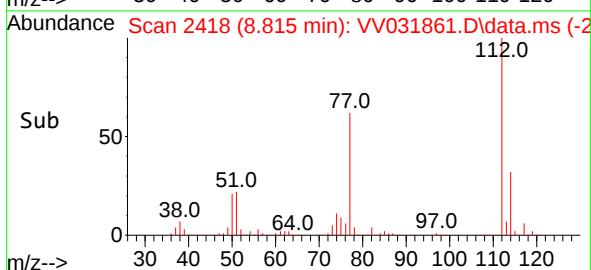
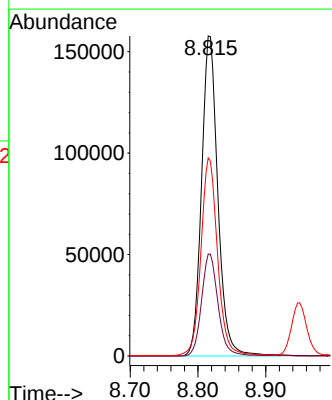
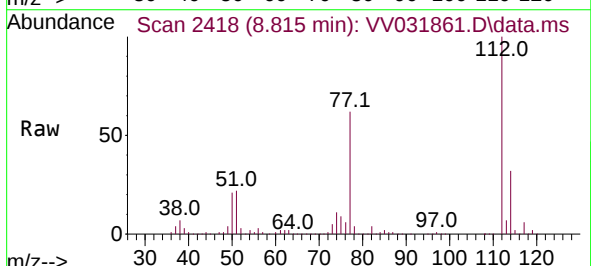
Tgt Ion:112 Resp: 263451

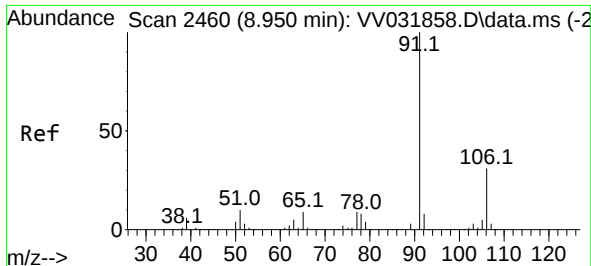
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 61.9 49.4 74.0





#52

Ethylbenzene

Concen: 48.902 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

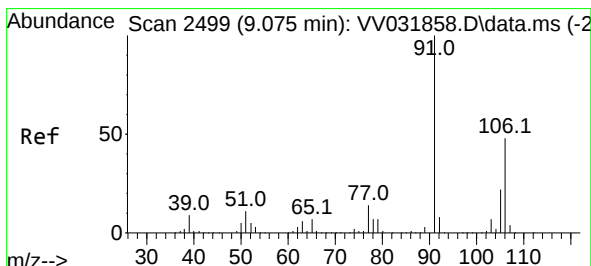
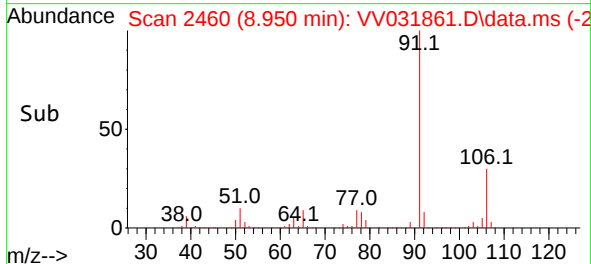
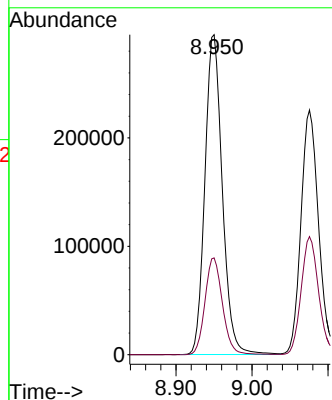
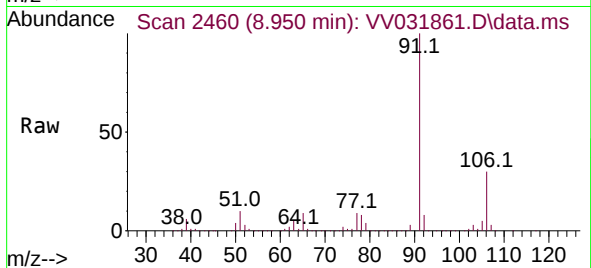
ClientSampleId :

Tgt Ion: 91 Resp: 469374

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#53

m,p-Xylene

Concen: 48.995 ug/L

RT: 9.076 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV031861.D

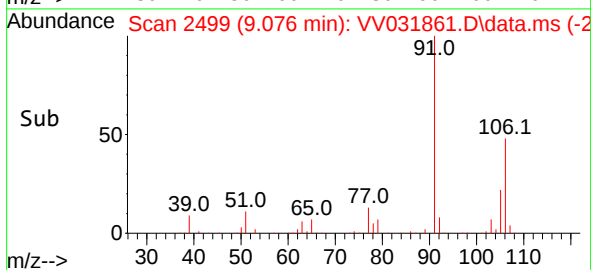
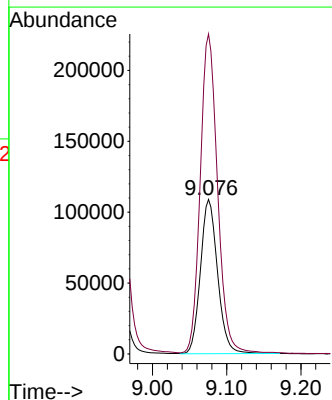
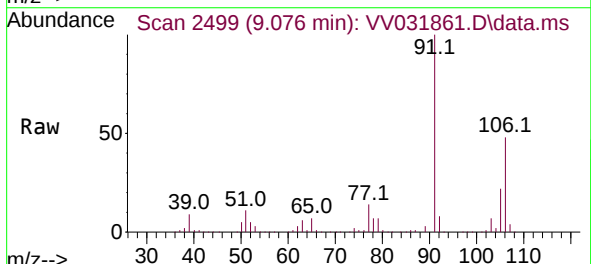
Acq: 23 Aug 2023 11:36

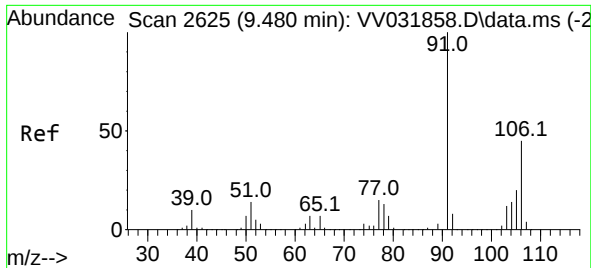
Tgt Ion: 106 Resp: 174608

Ion Ratio Lower Upper

106 100

91 207.0 147.0 273.0

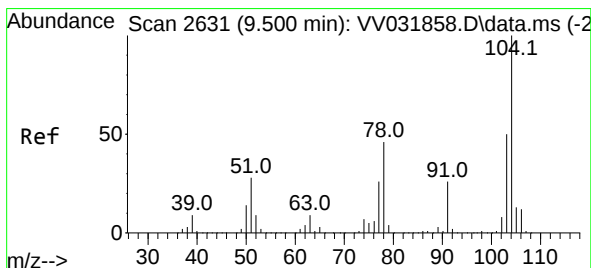
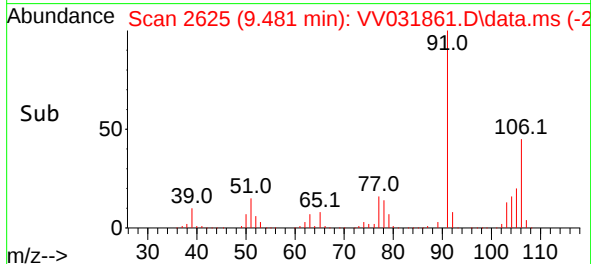
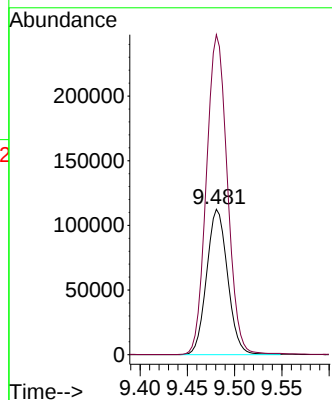
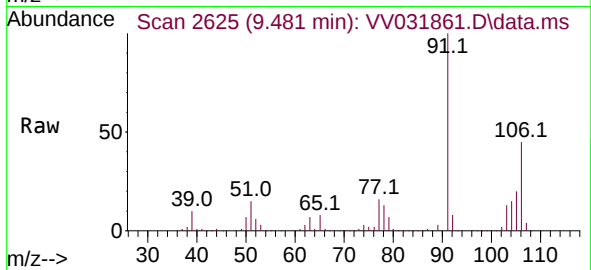




#54
o-Xylene
Concen: 49.046 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

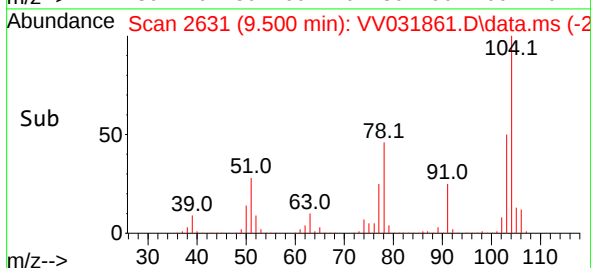
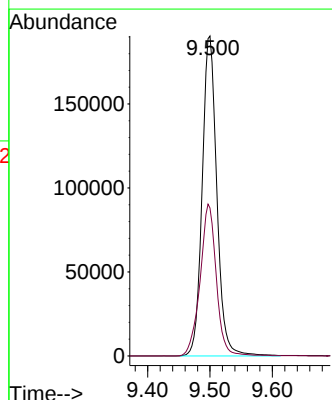
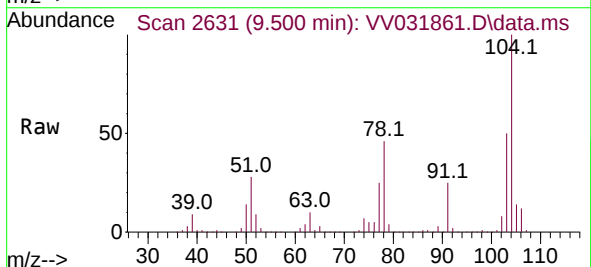
Instrument :
MSVOA_V
ClientSampleId :

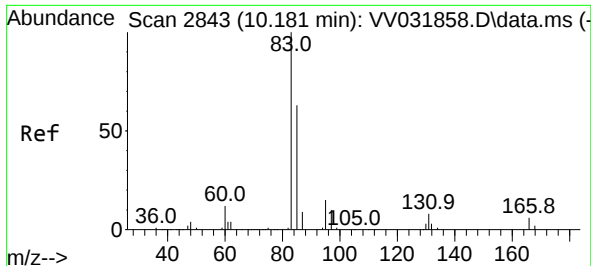
Tgt Ion:106 Resp: 173844
Ion Ratio Lower Upper
106 100
91 220.0 154.3 286.5



#55
Styrene
Concen: 49.772 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

Tgt Ion:104 Resp: 311870
Ion Ratio Lower Upper
104 100
78 46.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 49.491 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

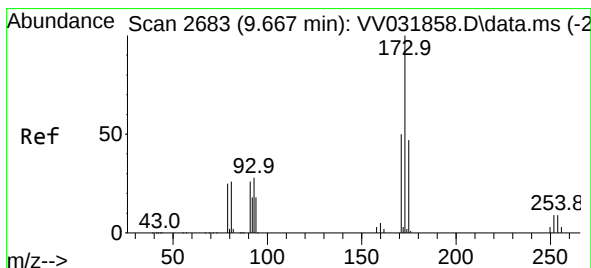
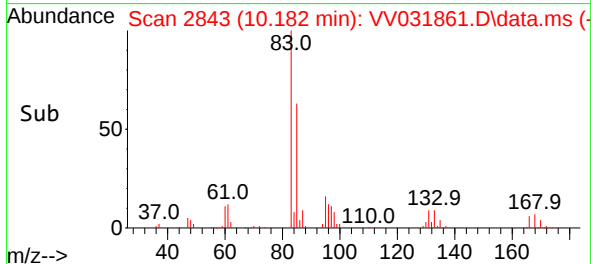
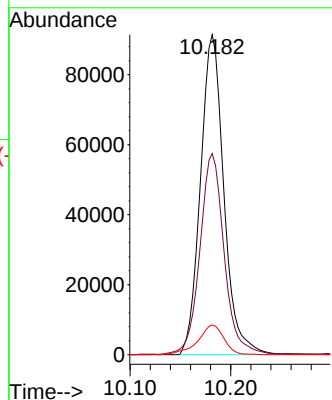
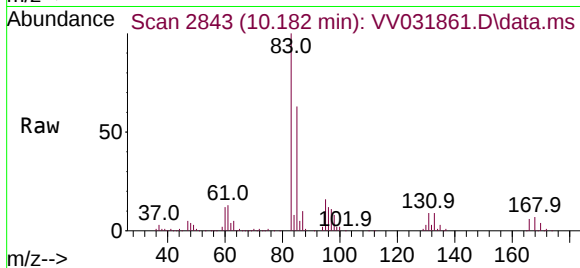
Tgt Ion: 83 Resp: 147782

Ion Ratio Lower Upper

83 100

85 62.8 45.1 83.9

131 9.3 7.4 11.2



#59

Bromoform

Concen: 50.698 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

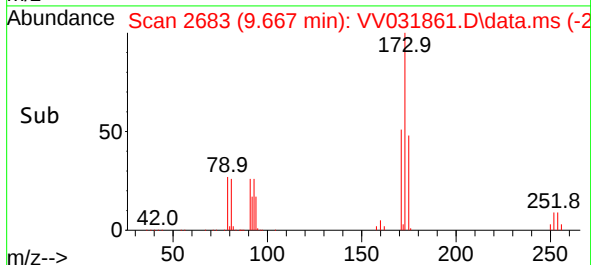
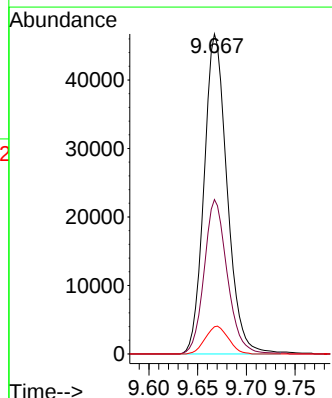
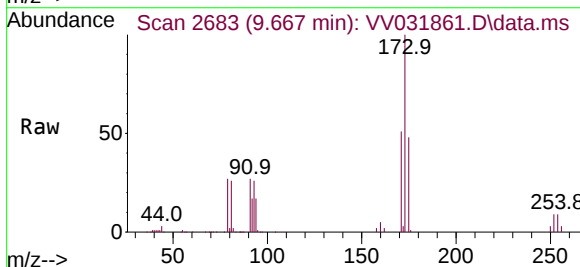
Tgt Ion: 173 Resp: 76861

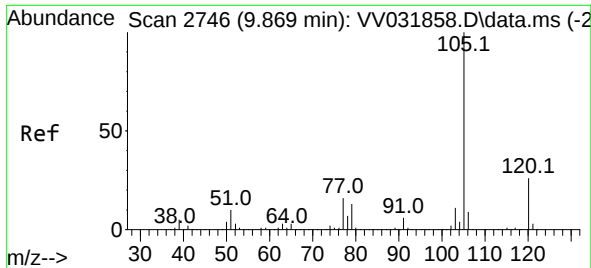
Ion Ratio Lower Upper

173 100

175 48.3 38.3 57.5

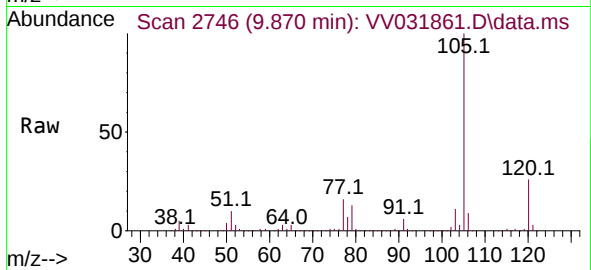
254 8.7 6.9 10.3



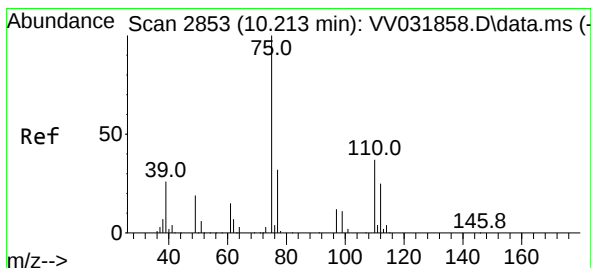
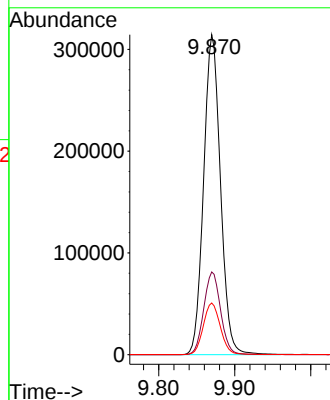
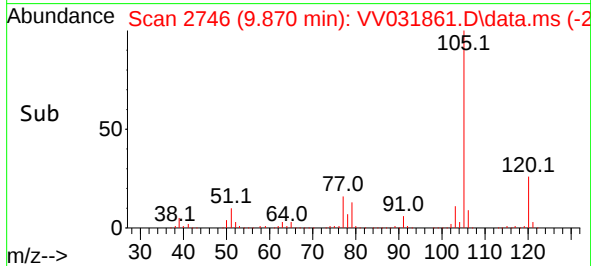


#60
Isopropylbenzene
Concen: 49.448 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36

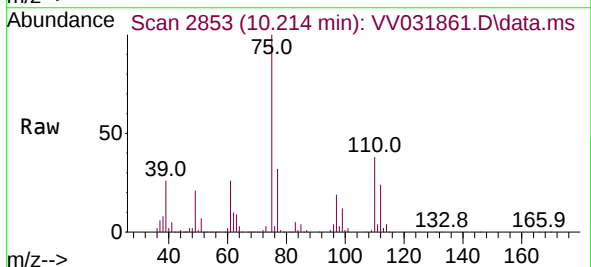
Instrument :
MSVOA_V
ClientSampleId :



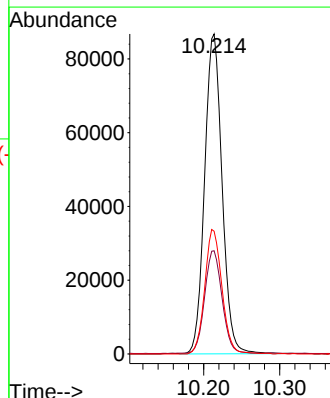
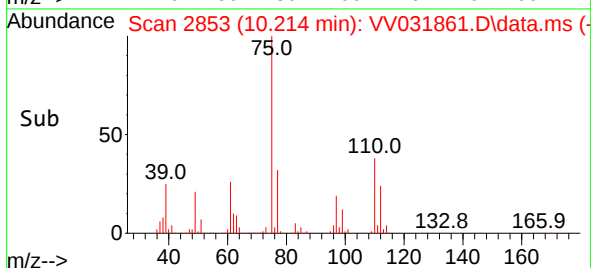
Tgt Ion:105 Resp: 484204
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0
77 16.2 12.8 19.2

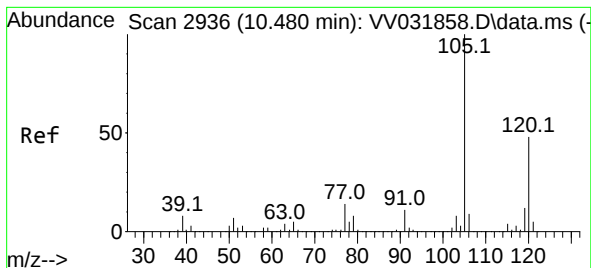


#61
1,2,3-Trichloropropane
Concen: 50.112 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031861.D
Acq: 23 Aug 2023 11:36



Tgt Ion: 75 Resp: 138415
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 38.3 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 49.577 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

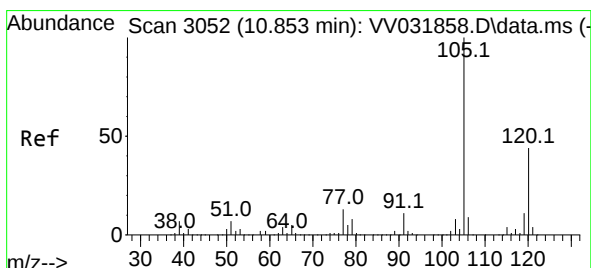
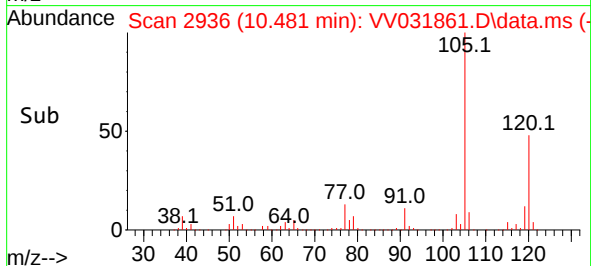
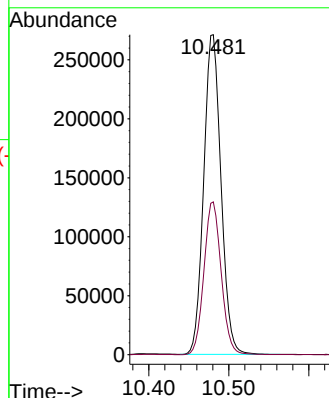
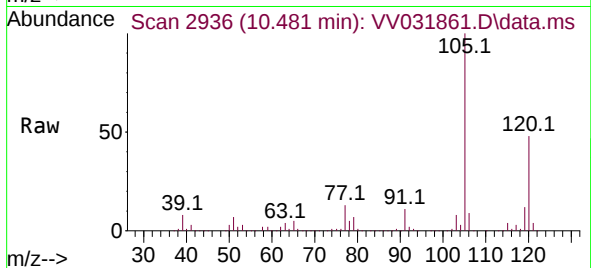
ClientSampleId :

Tgt Ion:105 Resp: 408423

Ion Ratio Lower Upper

105 100

120 47.7 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 49.342 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV031861.D

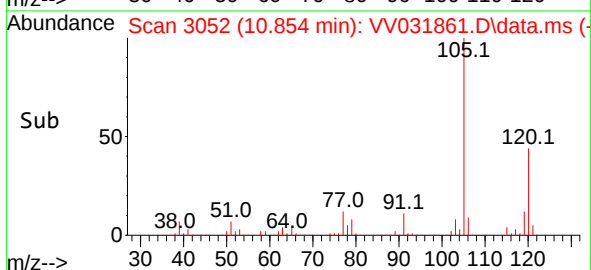
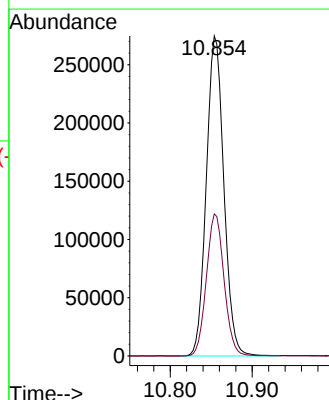
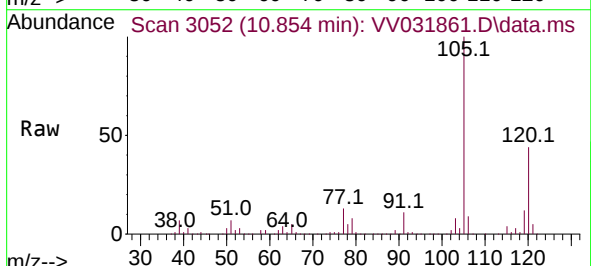
Acq: 23 Aug 2023 11:36

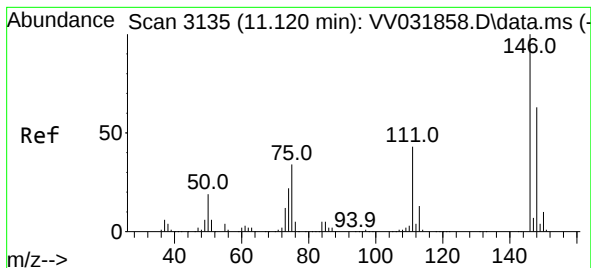
Tgt Ion:105 Resp: 408909

Ion Ratio Lower Upper

105 100

120 44.8 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 49.944 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

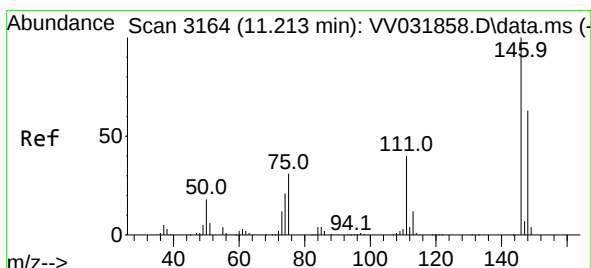
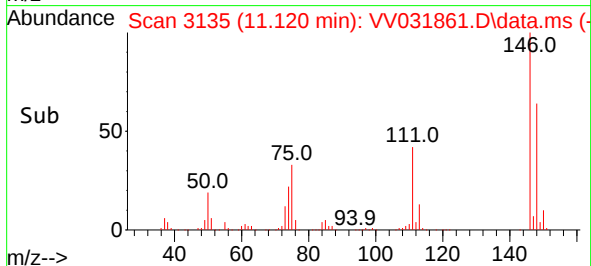
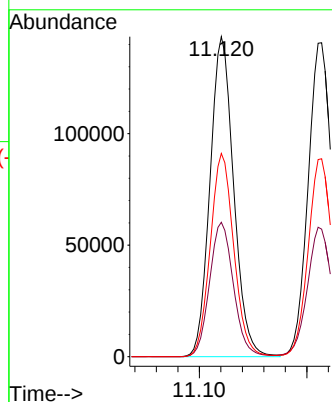
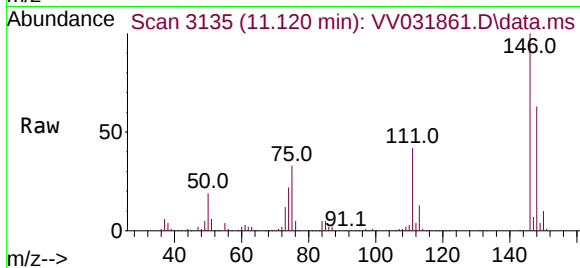
Tgt Ion:146 Resp: 219180

Ion Ratio Lower Upper

146 100

111 42.0 30.2 56.0

148 63.5 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 50.009 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

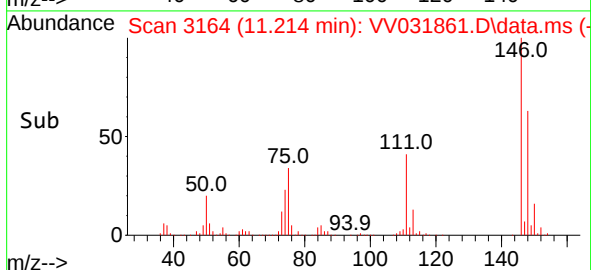
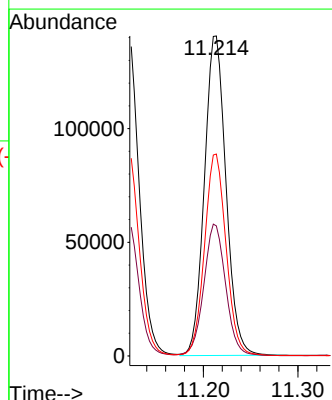
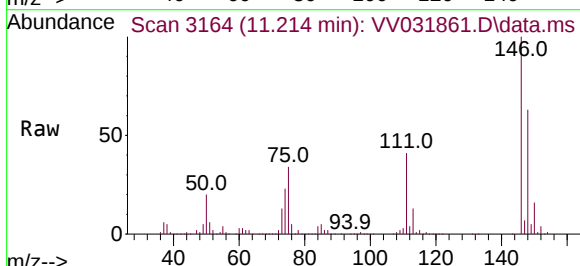
Tgt Ion:146 Resp: 223158

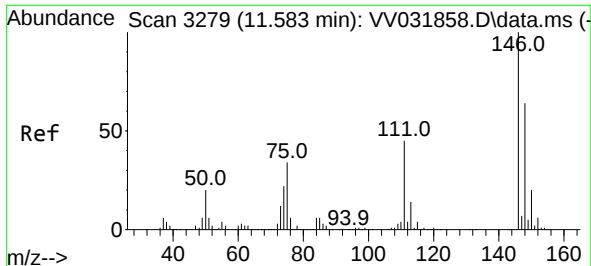
Ion Ratio Lower Upper

146 100

111 40.6 28.5 52.9

148 63.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 49.201 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

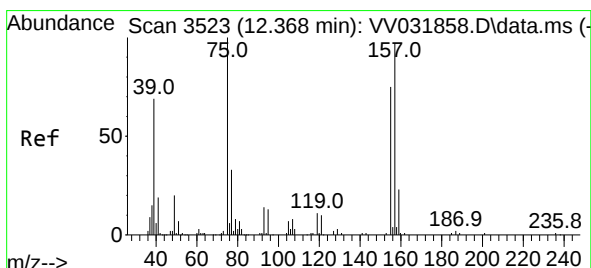
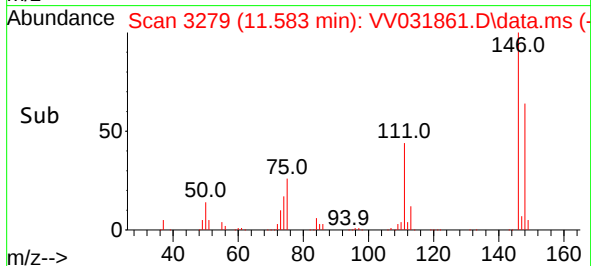
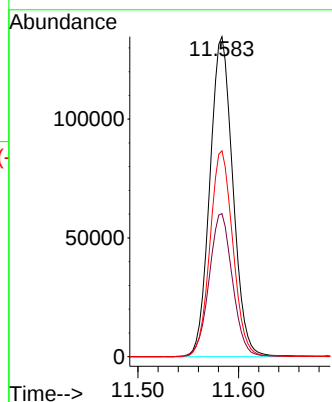
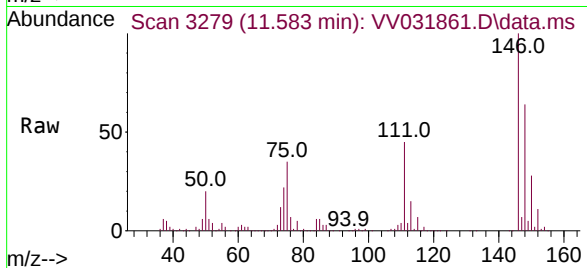
Tgt Ion:146 Resp: 213954

Ion Ratio Lower Upper

146 100

111 44.7 35.8 53.6

148 64.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 51.572 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

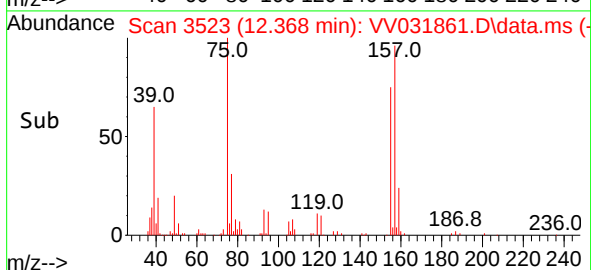
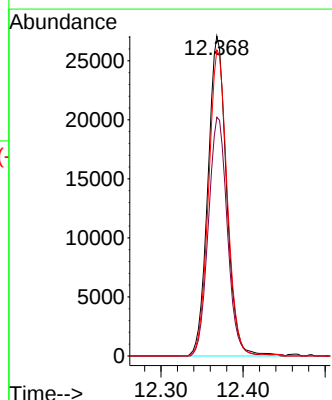
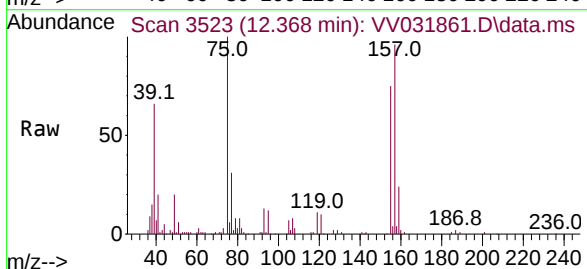
Tgt Ion: 75 Resp: 42787

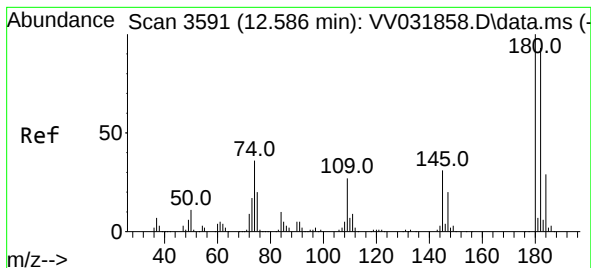
Ion Ratio Lower Upper

75 100

155 74.6 60.1 90.1

157 95.6 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 50.706 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

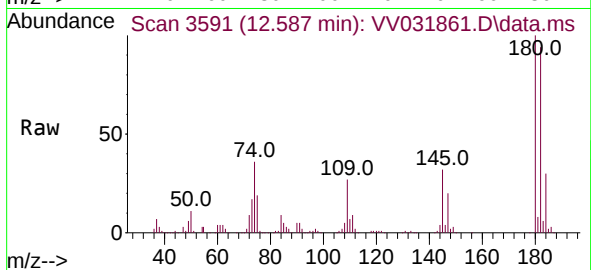
Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 162219

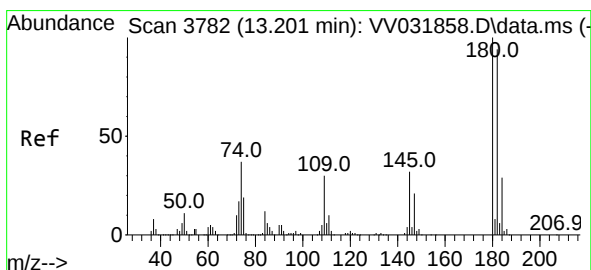
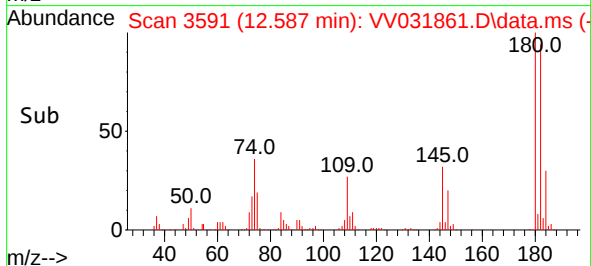
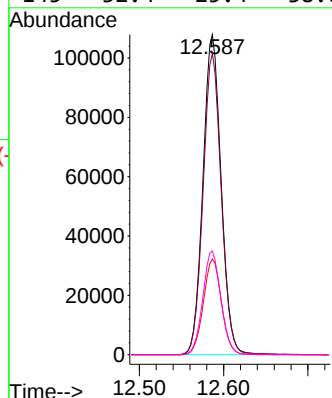
Ion Ratio Lower Upper

180 100

182 94.0 75.4 113.2

184 29.8 23.7 35.5

145 32.4 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 53.225 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

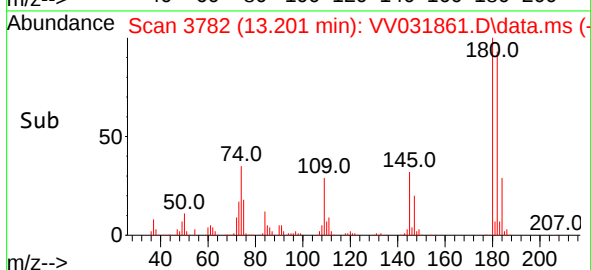
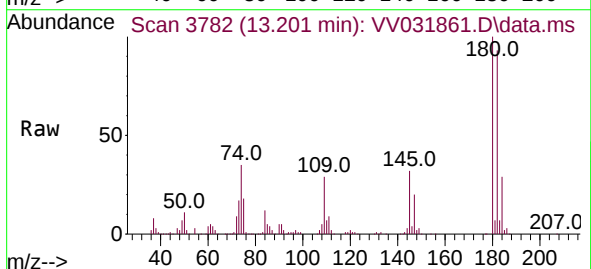
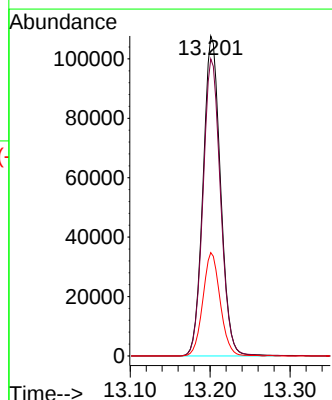
Tgt Ion:180 Resp: 163447

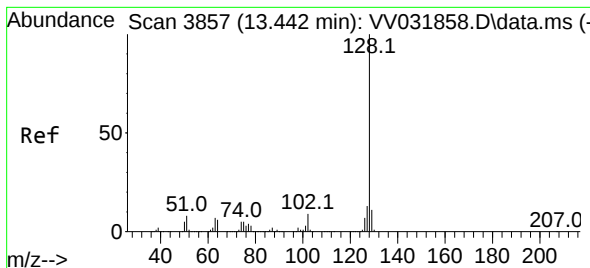
Ion Ratio Lower Upper

180 100

182 93.7 75.4 113.2

145 32.1 26.0 39.0





#71

Naphthalene

Concen: 59.223 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Instrument :

MSVOA_V

ClientSampleId :

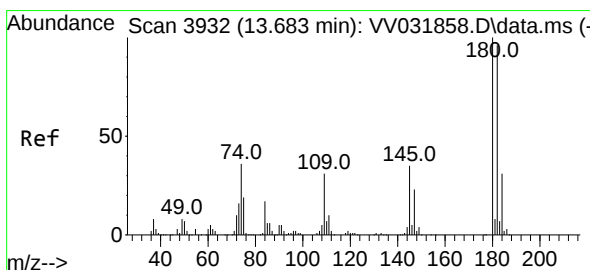
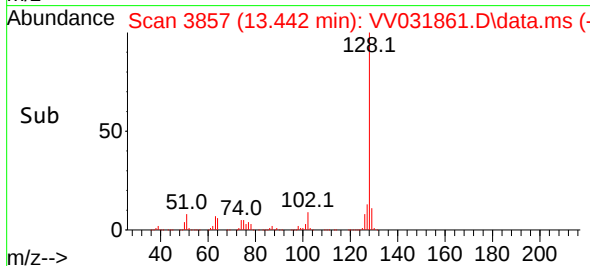
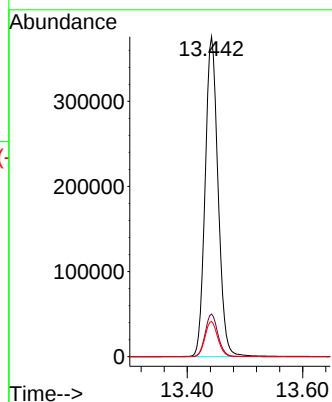
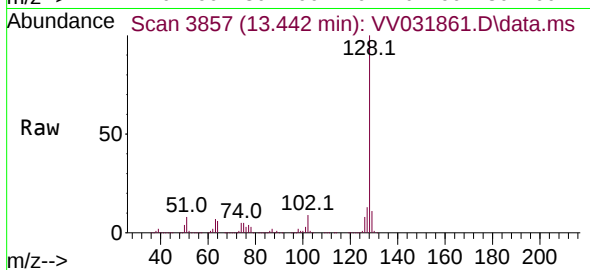
Tgt Ion:128 Resp: 581050

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.976 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV031861.D

Acq: 23 Aug 2023 11:36

Tgt Ion:180 Resp: 158828

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 35.3 27.7 41.5

