

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091323\
 Data File : VW032062.D
 Acq On : 13 Sep 2023 09:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 06:17:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 09 05:33:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	236561	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	234644	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	123800	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69260	46.782	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.560%
7) Chloroethane-d5	1.529	69	56901	43.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.680%
11) 1,1-Dichloroethene-d2	2.059	65	28512	41.129	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.260%
21) 2-Butanone-d5	3.786	46	124112	106.589	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.590%
24) Chloroform-d	4.249	84	136649	42.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.460%
26) 1,2-Dichloroethane-d4	4.944	65	86414	40.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.480%
32) Benzene-d6	4.960	84	272534	42.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.140%
36) 1,2-Dichloropropane-d6	5.992	67	92711	44.987	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.980%
41) Toluene-d8	7.246	98	243926	41.347	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
43) trans-1,3-Dichloroprop...	7.554	79	40069	37.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.020%
47) 2-Hexanone-d5	8.027	63	79433	125.757	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.760%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	123371	46.327	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.660%
66) 1,2-Dichlorobenzene-d4	11.564	152	93161	41.280	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	61874	42.964	ug/L	97
3) Chloromethane	1.214	50	76937	52.391	ug/L	99
5) Vinyl chloride	1.281	62	77042	49.125	ug/L	99
6) Bromomethane	1.484	94	41987	45.470	ug/L	98
8) Chloroethane	1.545	64	52769	50.630	ug/L	96
9) Trichlorofluoromethane	1.712	101	104501	45.711	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	65273	47.288	ug/L	98
12) 1,1-Dichloroethene	2.069	96	57751	46.580	ug/L	90
13) Acetone	2.111	43	90761	87.575	ug/L	97
14) Carbon disulfide	2.240	76	128757	45.577	ug/L	100
15) Methyl Acetate	2.371	43	107810	58.328	ug/L	95
16) Methylene chloride	2.445	84	84688	53.155	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	64767	47.649	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	276166	48.074	ug/L	97
19) 1,1-Dichloroethane	3.111	63	159141	52.243	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	84830	49.745	ug/L	95
22) 2-Butanone	3.866	43	145866	106.366	ug/L	96
23) Bromochloromethane	4.149	128	41028	49.590	ug/L	93
25) Chloroform	4.278	83	152644	48.196	ug/L	98

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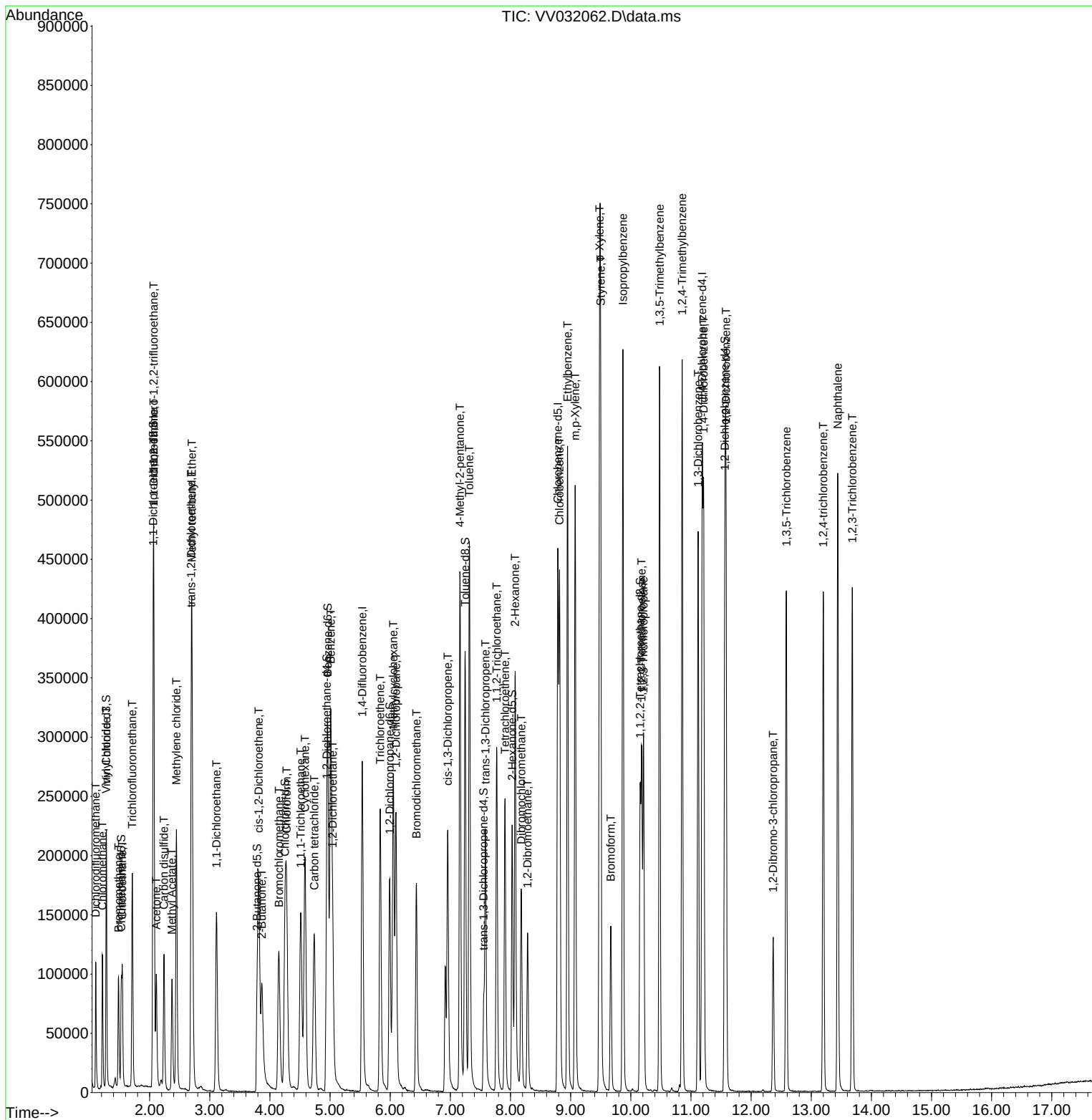
Instrument :
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 ClientSampleId :

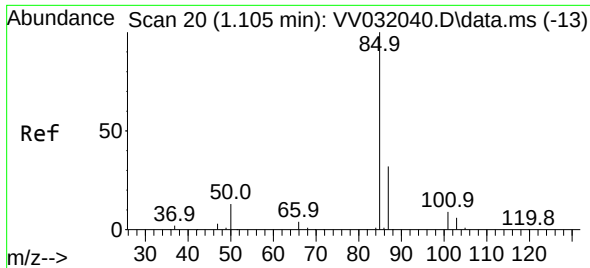
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 09 05:33:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	115267	46.196	ug/L	97
29) Cyclohexane	4.583	56	114112	46.708	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	124756	45.582	ug/L	99
31) Carbon tetrachloride	4.738	117	101420	43.640	ug/L	98
33) Benzene	5.011	78	315164	49.989	ug/L	100
34) Trichloroethene	5.834	95	83759	43.440	ug/L	100
35) Methylcyclohexane	6.053	83	107742	42.010	ug/L	95
37) 1,2-Dichloropropane	6.095	63	94589	52.930	ug/L	100
38) Bromodichloromethane	6.436	83	121067	47.729	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	138315	44.518	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	318013	112.119	ug/L	96
42) Toluene	7.316	91	333822	48.134	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	125289	41.970	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	90408	50.076	ug/L	98
46) Tetrachloroethene	7.908	164	54389	44.923	ug/L	100
48) 2-Hexanone	8.079	43	235137	108.555	ug/L	97
49) Dibromochloromethane	8.178	129	86394	46.568	ug/L	99
50) 1,2-Dibromoethane	8.284	107	89655	47.412	ug/L	99
51) Chlorobenzene	8.815	112	218930	47.508	ug/L	99
52) Ethylbenzene	8.950	91	382853	46.603	ug/L	98
53) m,p-Xylene	9.075	106	136661	44.803	ug/L	100
54) o-Xylene	9.480	106	140276	46.239	ug/L	99
55) Styrene	9.500	104	252710	47.121	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	142301	55.678	ug/L	99
59) Bromoform	9.667	173	59531	46.372	ug/L	98
60) Isopropylbenzene	9.869	105	387670	46.753	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	119276	50.996	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	314019	45.014	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	317436	45.234	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	175083	47.114	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	178327	47.192	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	178015	48.342	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	31268	44.506	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	121835	44.973	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	115618	44.462	ug/L	99
71) Naphthalene	13.442	128	378717	45.584	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	118552	47.577	ug/L	99

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

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Response via : Initial Calibration

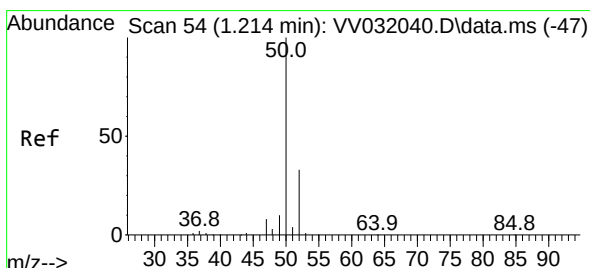
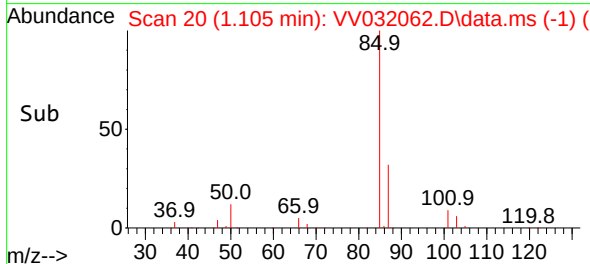
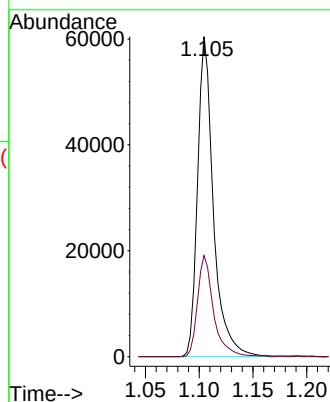
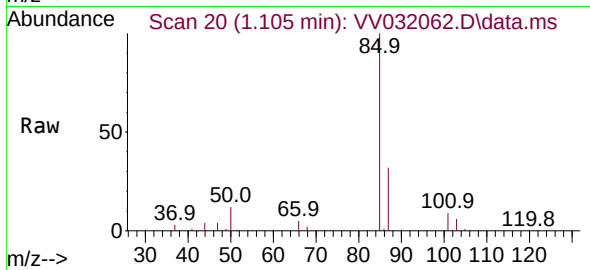




#2
 Dichlorodifluoromethane
 Concen: 42.964 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032062.D
 Acq: 13 Sep 2023 09:11

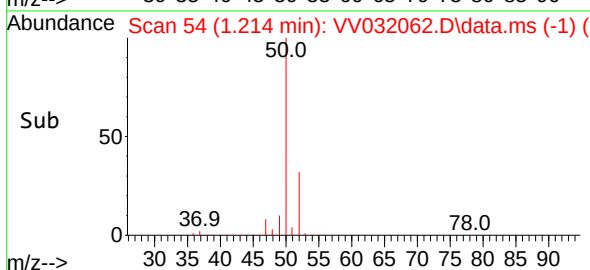
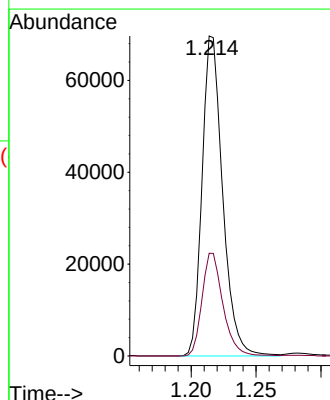
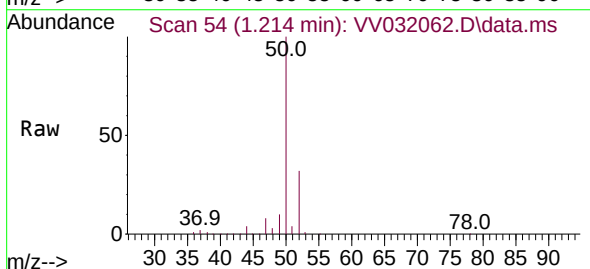
Instrument :
 MSVOA_V
 ClientSampleId :

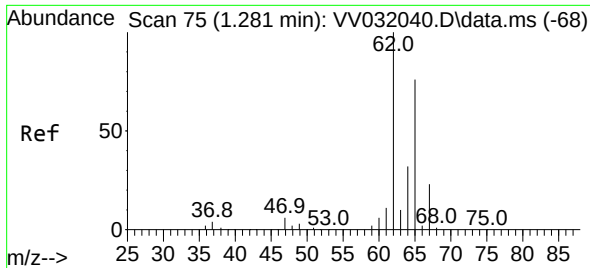
Tgt Ion: 85 Resp: 61874
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.8 40.2



#3
 Chloromethane
 Concen: 52.391 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032062.D
 Acq: 13 Sep 2023 09:11

Tgt Ion: 50 Resp: 76937
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.0 42.6

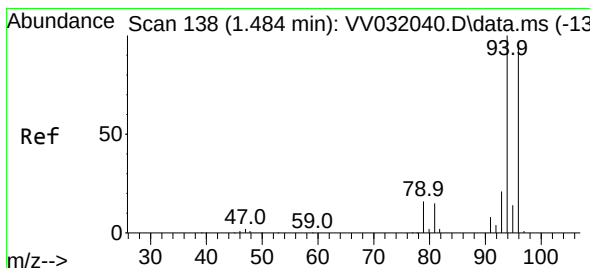
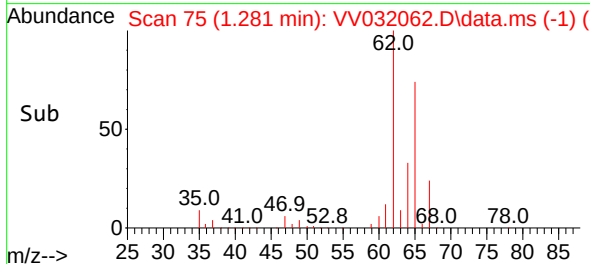
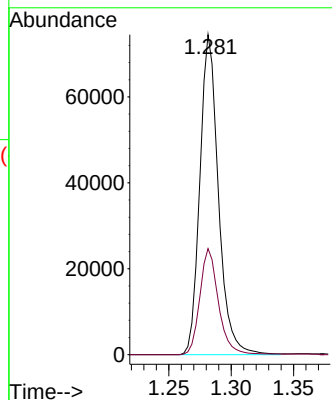
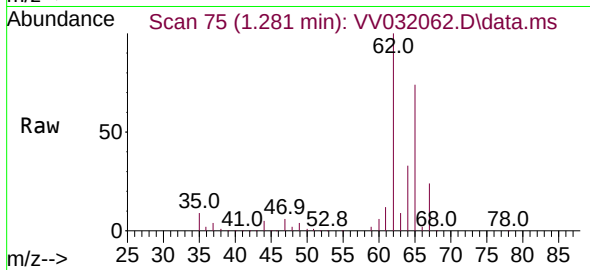




#5
 Vinyl chloride
 Concen: 49.125 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032062.D
 Acq: 13 Sep 2023 09:11

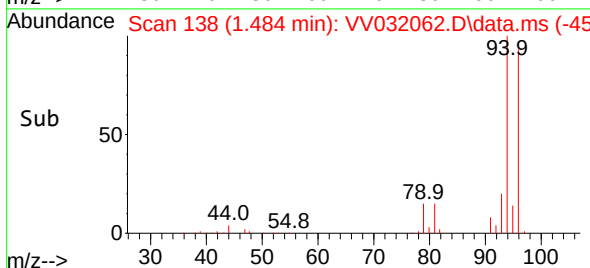
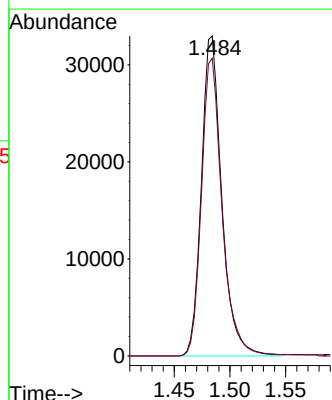
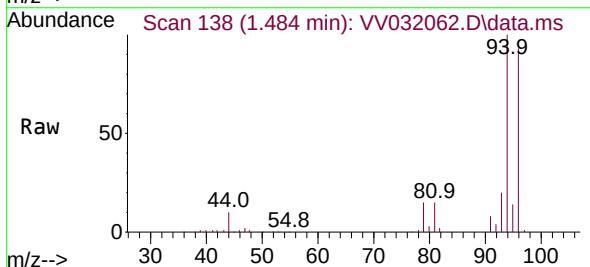
Instrument :
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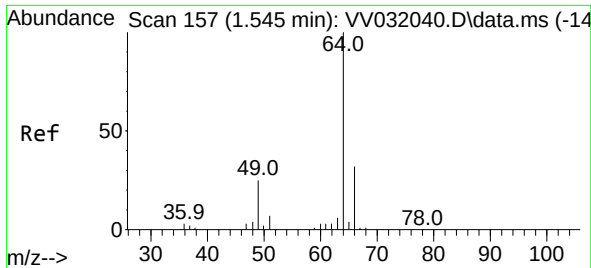
Tgt Ion: 62 Resp: 77042
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.6 43.8



#6
 Bromomethane
 Concen: 45.470 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV032062.D
 Acq: 13 Sep 2023 09:11

Tgt Ion: 94 Resp: 41987
 Ion Ratio Lower Upper
 94 100
 96 93.0 66.4 123.4

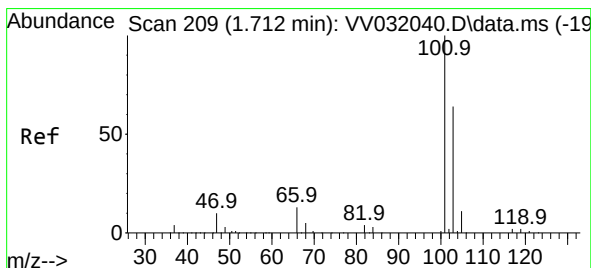
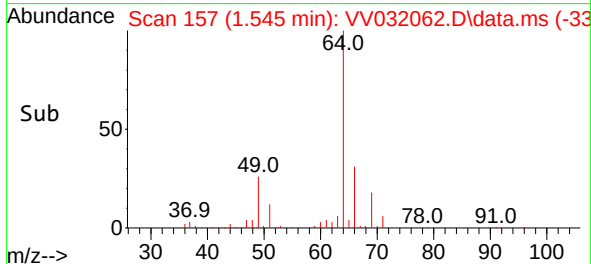
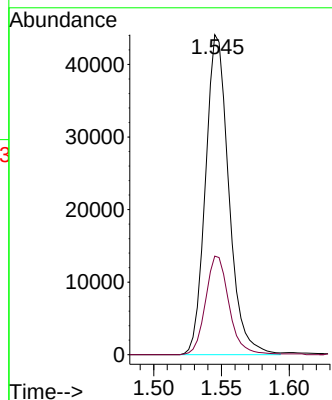
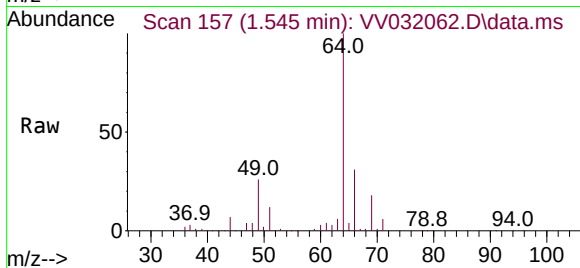




#8
Chloroethane
Concen: 50.630 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

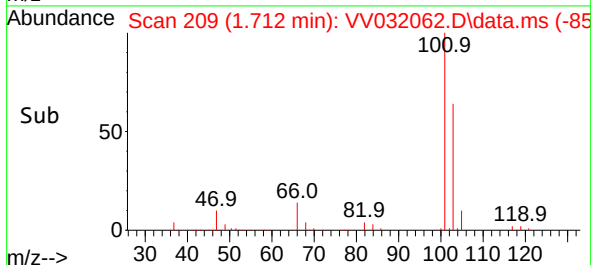
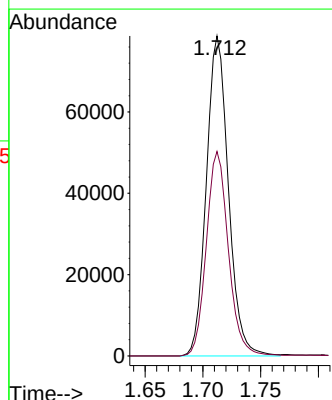
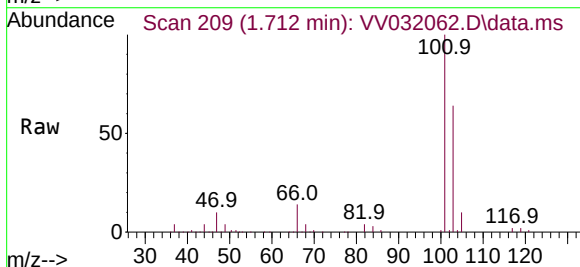
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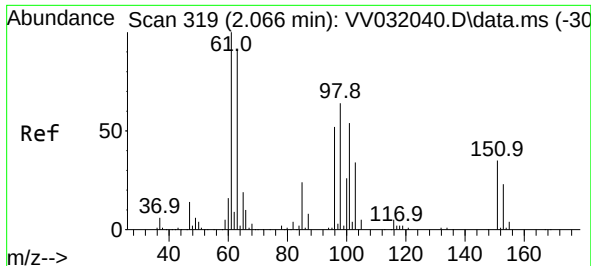
Tgt Ion: 64 Resp: 52769
Ion Ratio Lower Upper
64 100
66 30.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 45.711 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion:101 Resp: 104501
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9

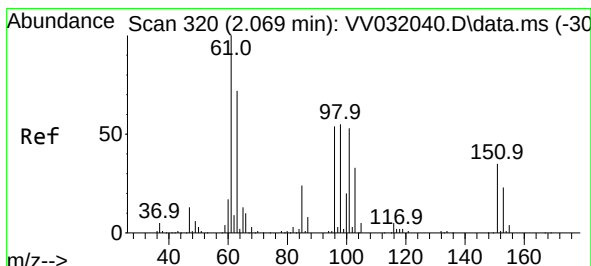
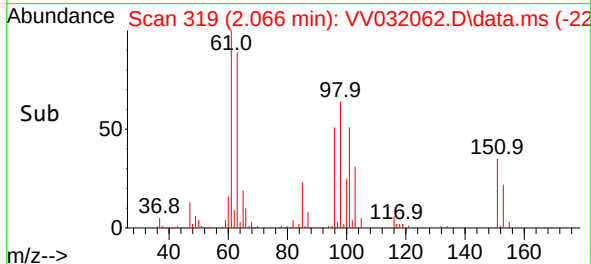
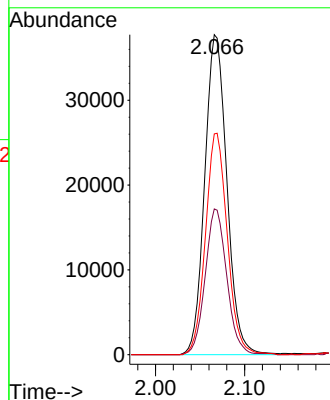
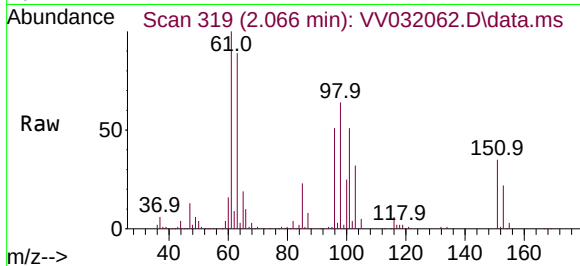




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.288 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV032062.D
 Acq: 13 Sep 2023 09:11

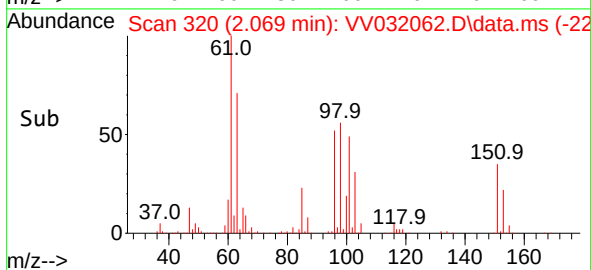
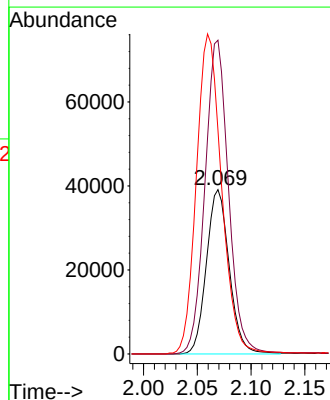
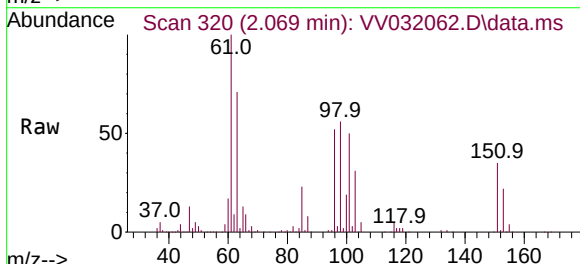
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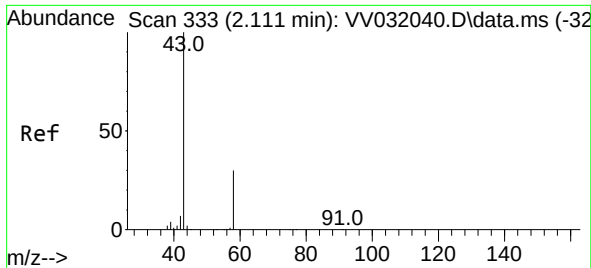
Tgt Ion:101 Resp: 65273
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.8 53.8
 151 67.9 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 46.580 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032062.D
 Acq: 13 Sep 2023 09:11

Tgt Ion: 96 Resp: 57751
 Ion Ratio Lower Upper
 96 100
 61 191.0 133.8 248.6
 63 136.2 115.2 214.0





#13

Acetone

Concen: 87.575 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

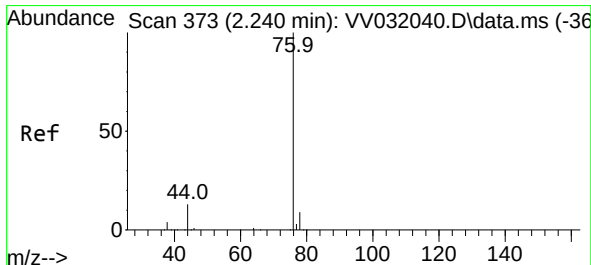
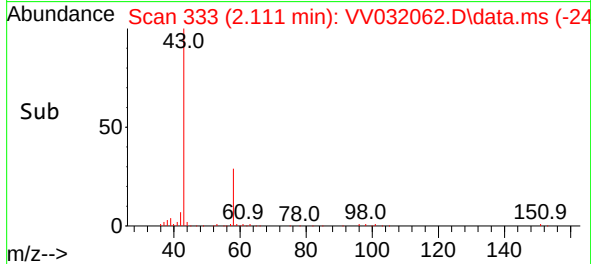
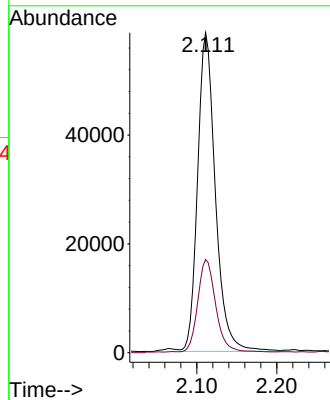
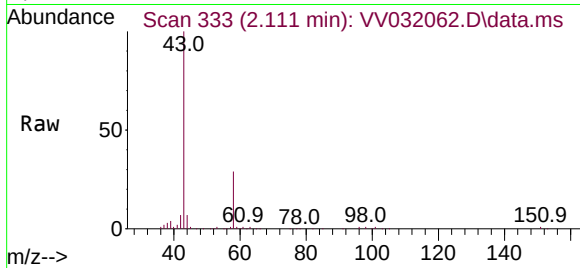
ClientSampleId :

Tgt Ion: 43 Resp: 90761

Ion Ratio Lower Upper

43 100

58 29.0 0.0 61.0



#14

Carbon disulfide

Concen: 45.577 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032062.D

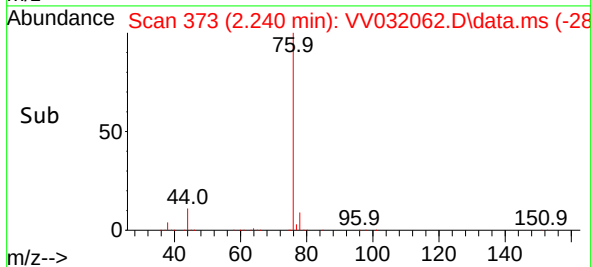
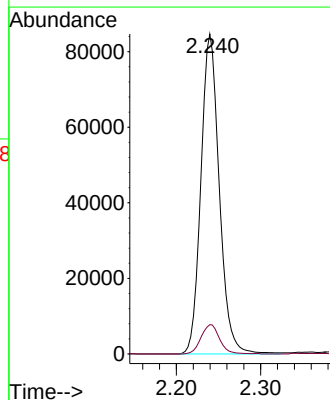
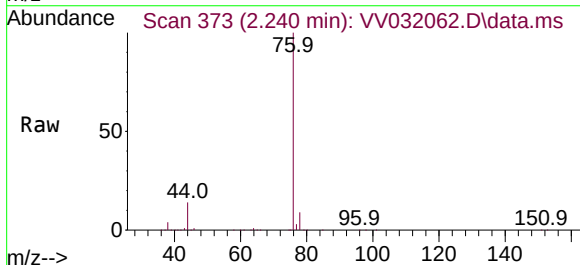
Acq: 13 Sep 2023 09:11

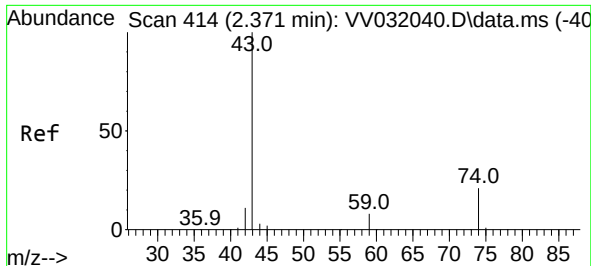
Tgt Ion: 76 Resp: 128757

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

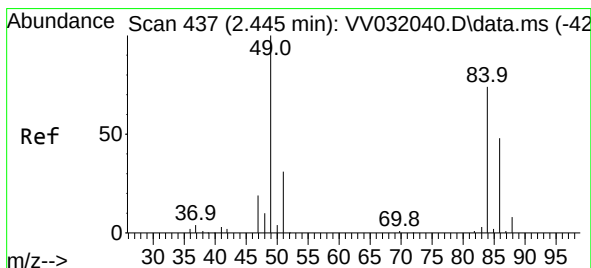
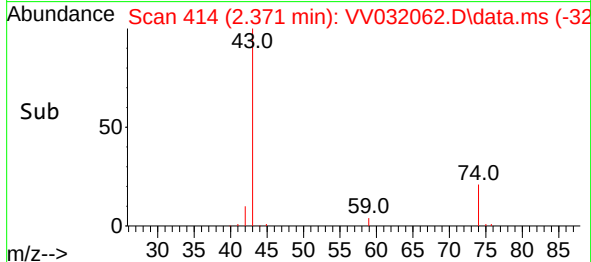
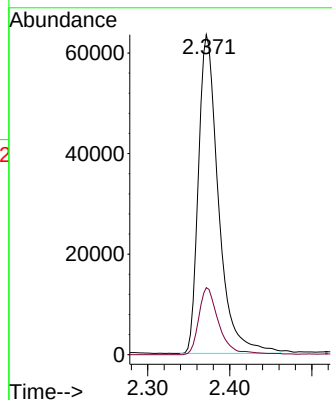
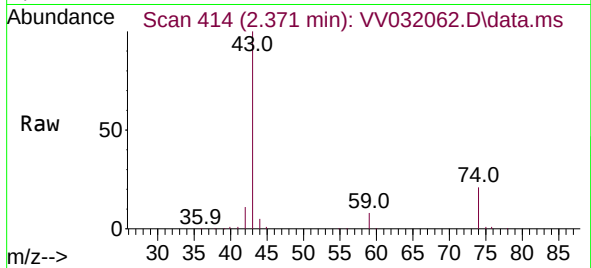




#15
Methyl Acetate
Concen: 58.328 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

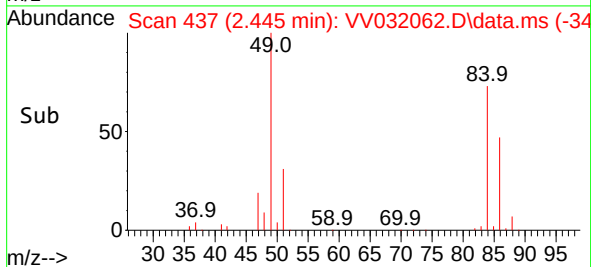
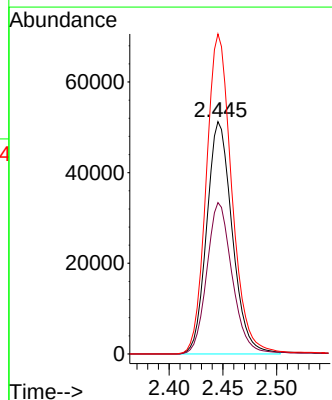
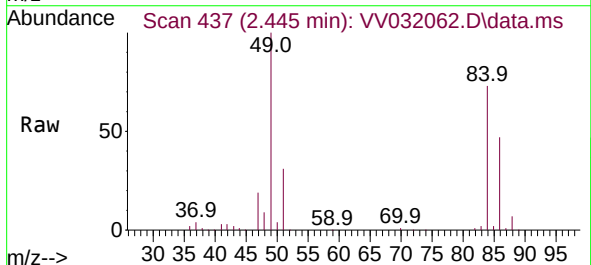
Instrument :
MSVOA_V
ClientSampleId :

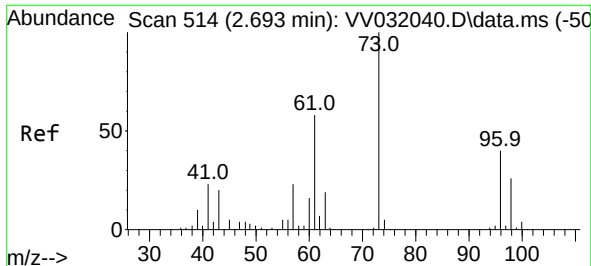
Tgt Ion: 43 Resp: 107810
Ion Ratio Lower Upper
43 100
74 20.1 17.9 26.9



#16
Methylene chloride
Concen: 53.155 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

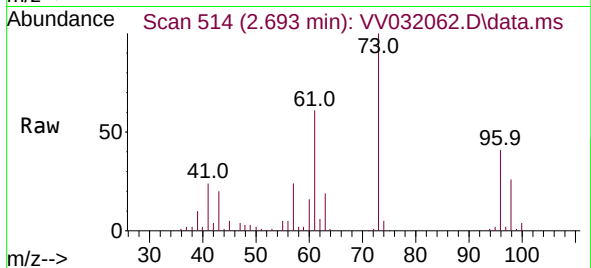
Tgt Ion: 84 Resp: 84688
Ion Ratio Lower Upper
84 100
86 65.2 44.6 82.8
49 137.7 91.6 170.2



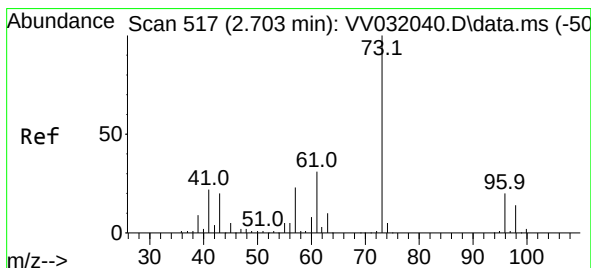
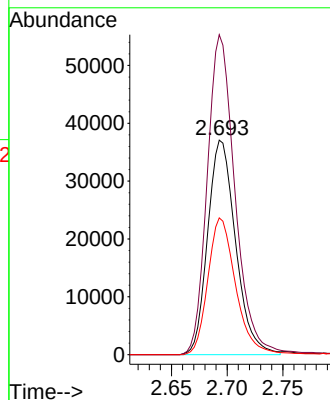
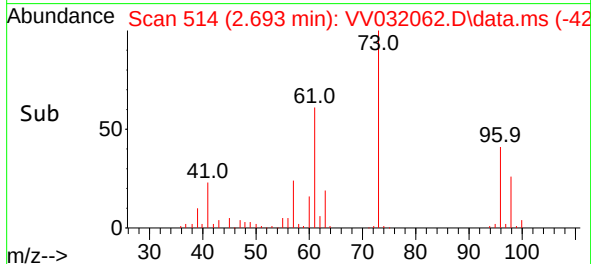


#17
trans-1,2-Dichloroethene
Concen: 47.649 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

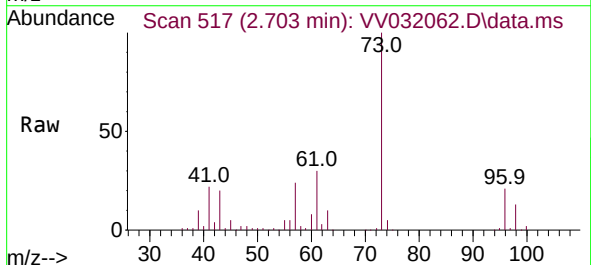
Instrument :
MSVOA_V
ClientSampleId :



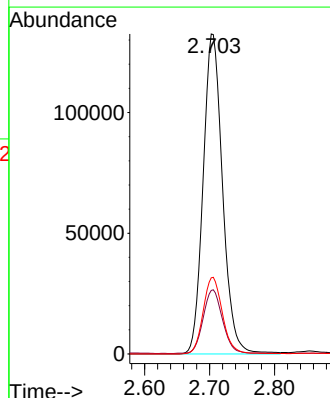
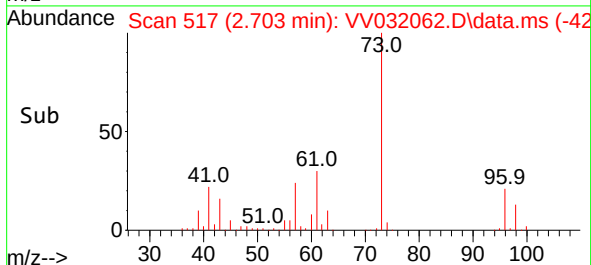
Tgt Ion: 96 Resp: 64767
Ion Ratio Lower Upper
96 100
61 149.2 107.3 199.3
98 63.8 46.3 85.9

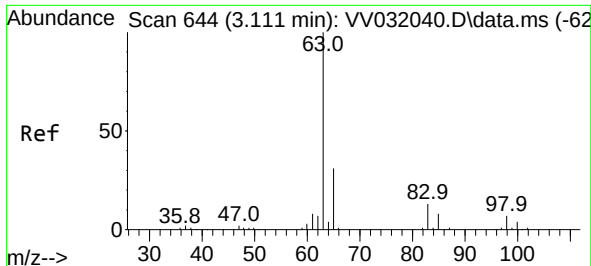


#18
Methyl tert-butyl Ether
Concen: 48.074 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11



Tgt Ion: 73 Resp: 276166
Ion Ratio Lower Upper
73 100
43 19.6 16.6 25.0
57 23.7 17.6 26.4

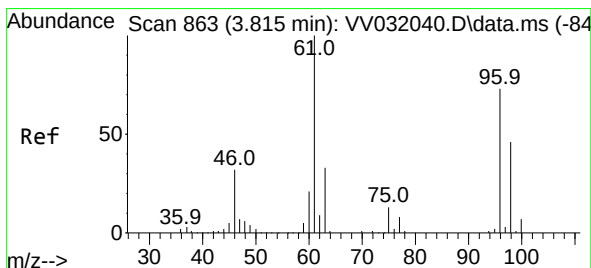
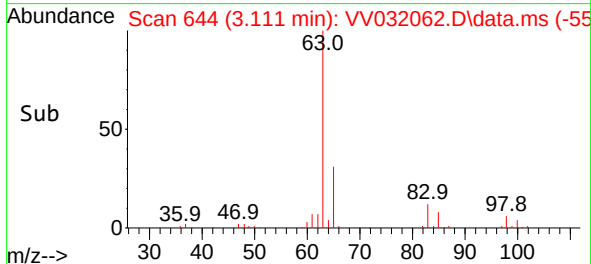
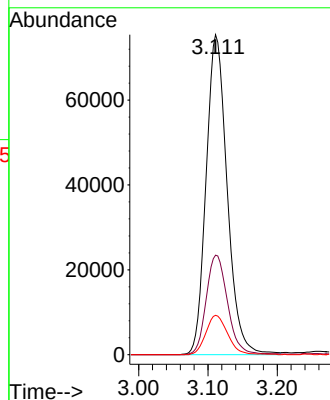
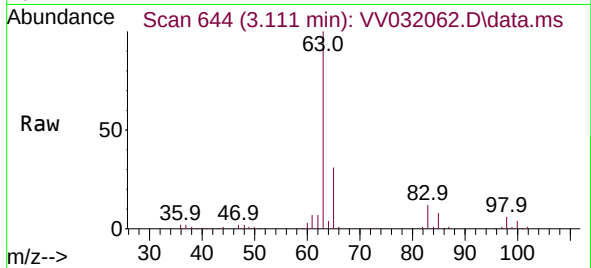




#19
1,1-Dichloroethane
Concen: 52.243 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

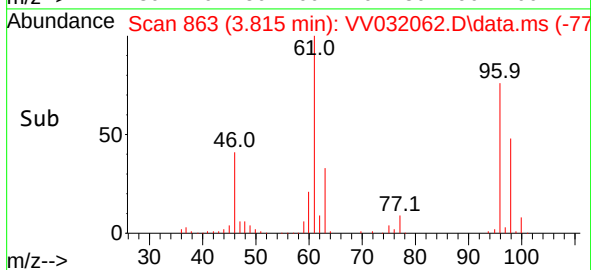
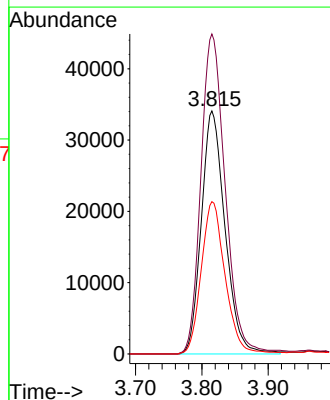
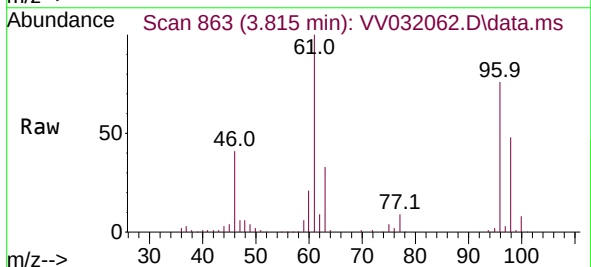
Instrument :
MSVOA_V
ClientSampleId :

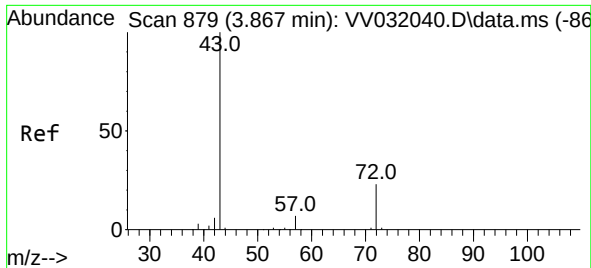
Tgt Ion: 63 Resp: 159141
Ion Ratio Lower Upper
63 100
65 31.1 22.4 41.6
83 12.3 8.7 16.1



#20
cis-1,2-Dichloroethene
Concen: 49.745 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion: 96 Resp: 84830
Ion Ratio Lower Upper
96 100
61 131.7 97.3 180.7
98 62.7 45.3 84.1

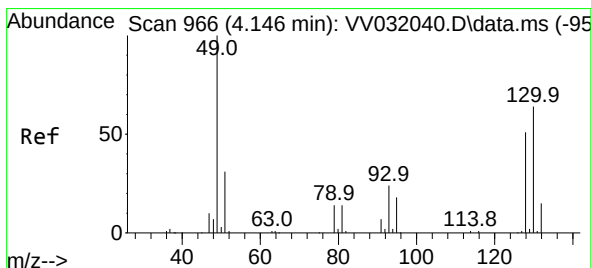
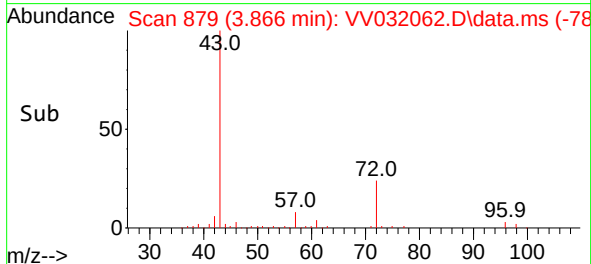
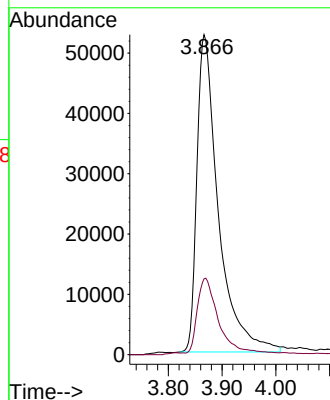
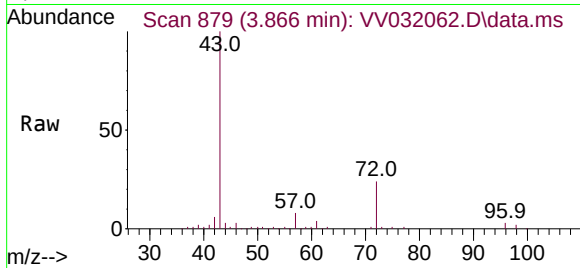




#22
2-Butanone
Concen: 106.366 ug/L
RT: 3.866 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

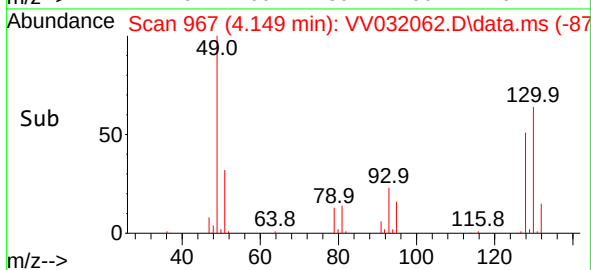
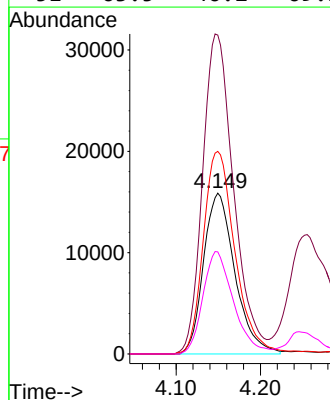
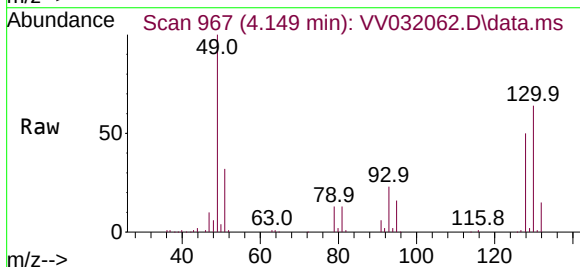
Instrument :
MSVOA_V
ClientSampleId :

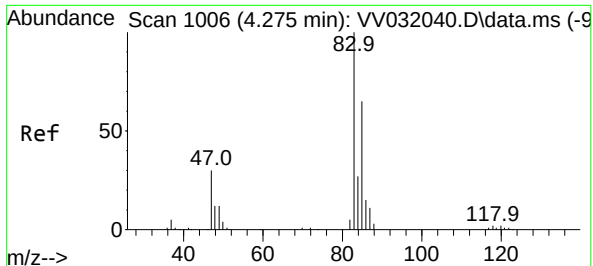
Tgt Ion: 43 Resp: 145866
Ion Ratio Lower Upper
43 100
72 23.3 12.6 37.8



#23
Bromochloromethane
Concen: 49.590 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion:128 Resp: 41028
Ion Ratio Lower Upper
128 100
49 198.4 127.8 237.4
130 126.0 90.1 167.3
51 63.5 46.2 69.2

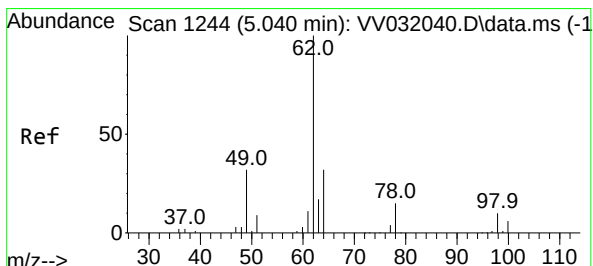
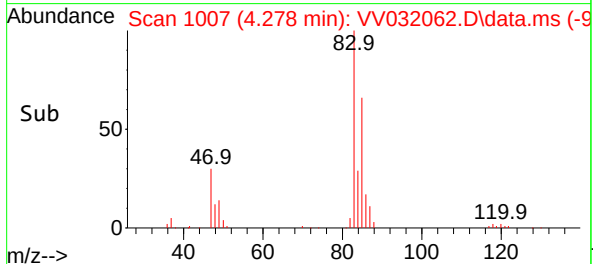
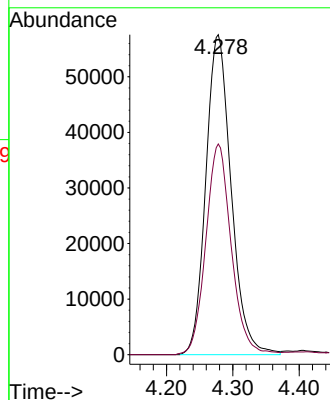
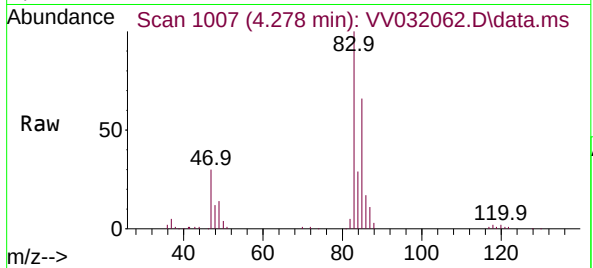




#25
Chloroform
Concen: 48.196 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

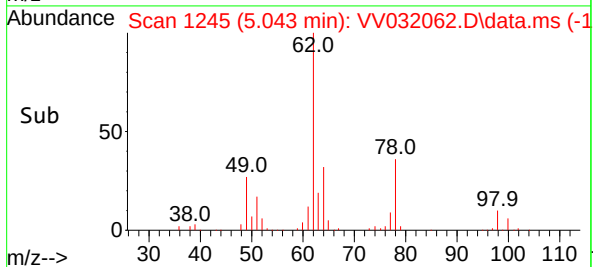
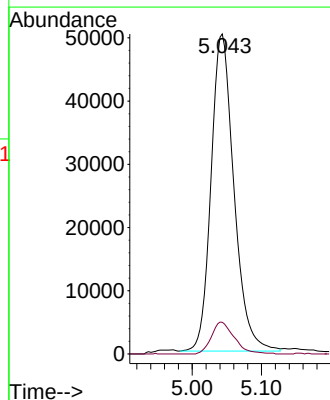
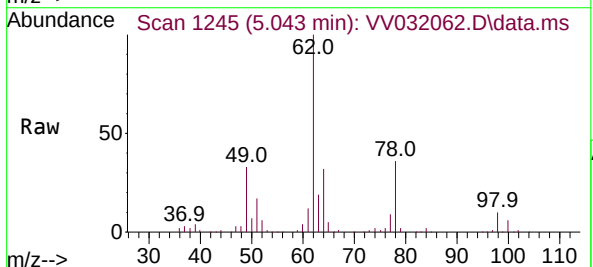
Instrument :
MSVOA_V
ClientSampleId :

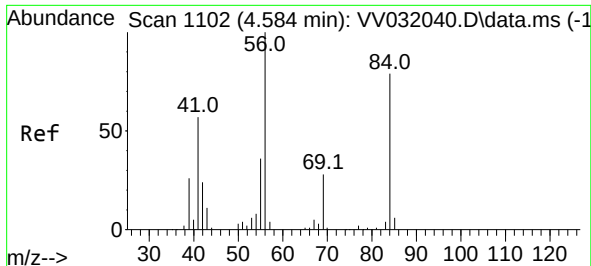
Tgt Ion: 83 Resp: 152644
Ion Ratio Lower Upper
83 100
85 65.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 46.196 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

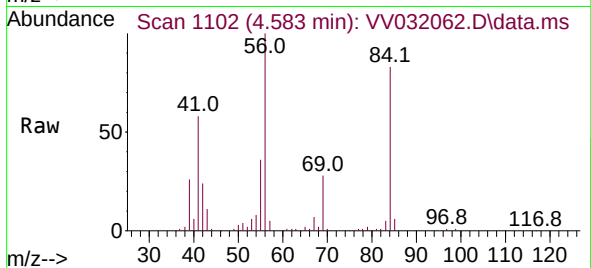
Tgt Ion: 62 Resp: 115267
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.4



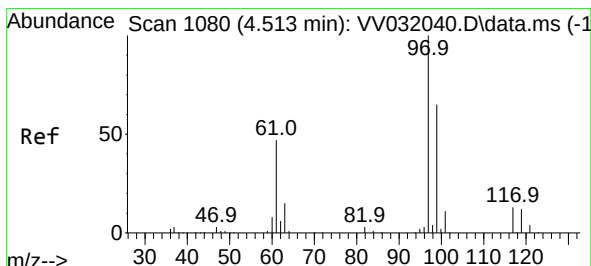
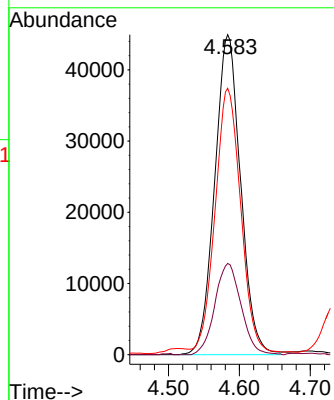
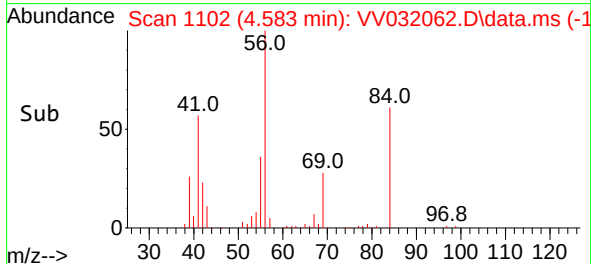


#29
Cyclohexane
Concen: 46.708 ug/L
RT: 4.583 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

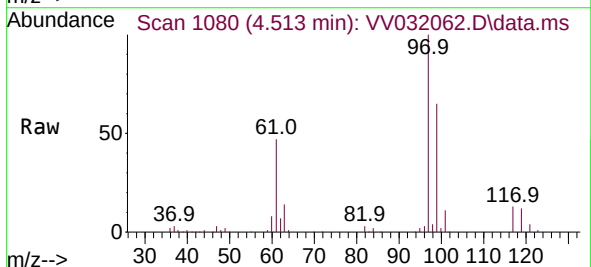
Instrument :
MSVOA_V
ClientSampleId :



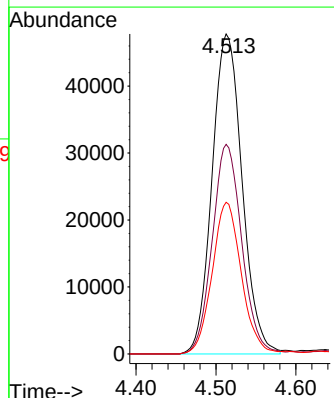
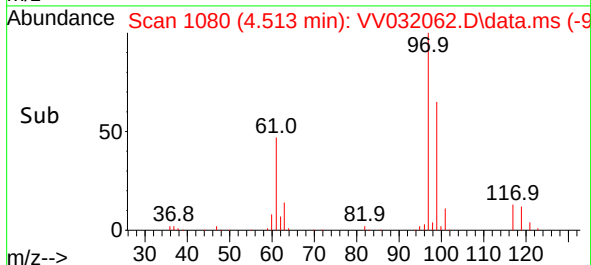
Tgt Ion: 56 Resp: 114112
Ion Ratio Lower Upper
56 100
69 28.8 24.2 36.4
84 82.4 67.5 101.3

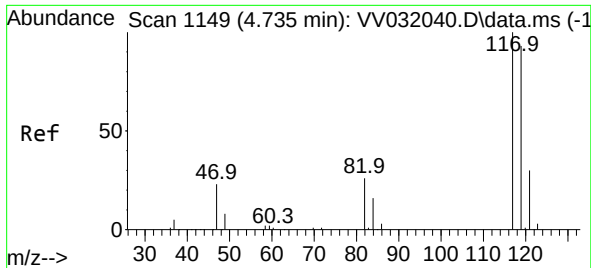


#30
1,1,1-Trichloroethane
Concen: 45.582 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11



Tgt Ion: 97 Resp: 124756
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 46.0 36.5 54.7

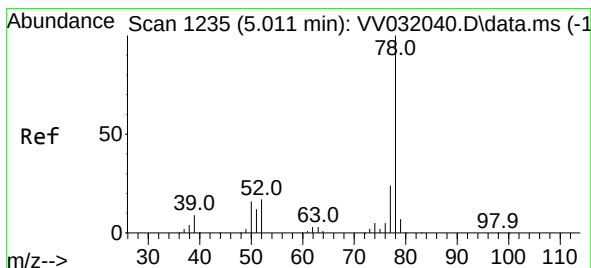
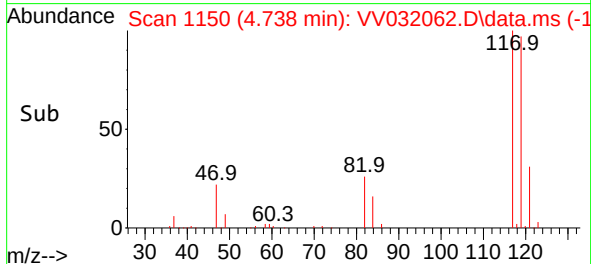
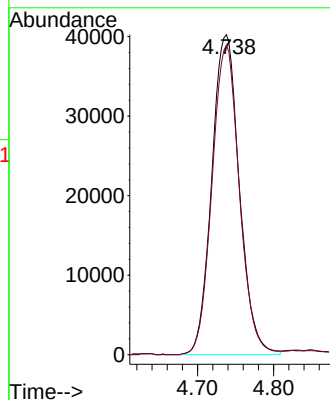
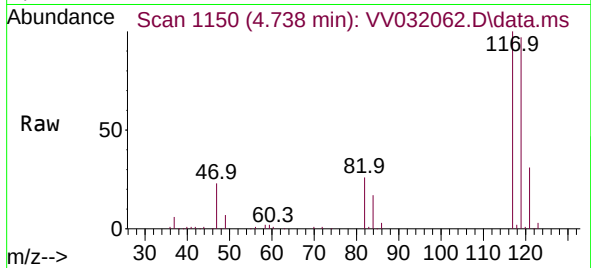




#31
Carbon tetrachloride
Concen: 43.640 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

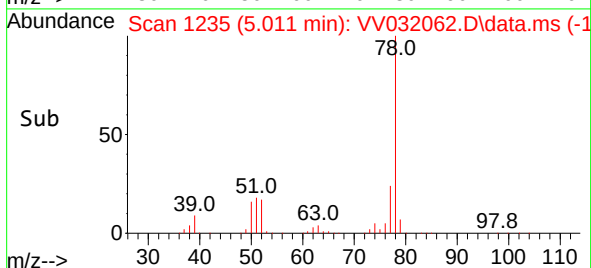
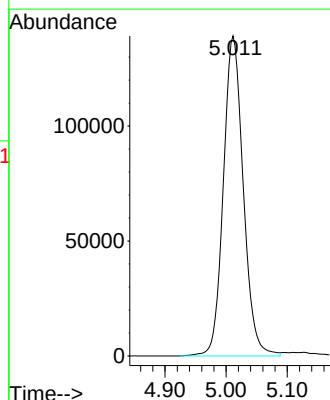
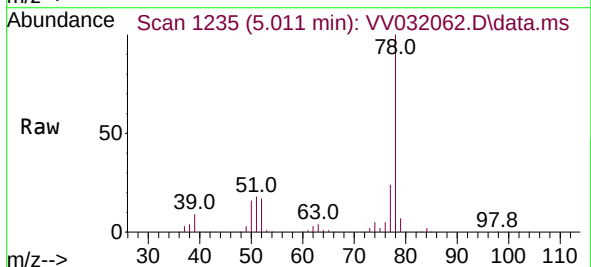
Instrument :
MSVOA_V
ClientSampleId :

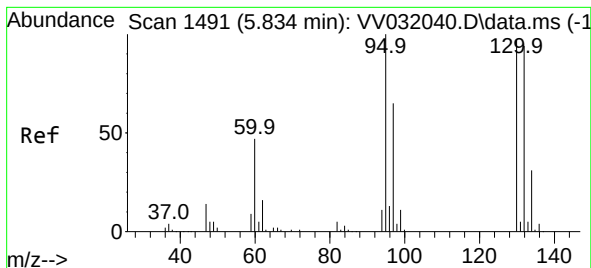
Tgt Ion:117 Resp: 101420
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.2



#33
Benzene
Concen: 49.989 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion: 78 Resp: 315164





#34

Trichloroethene

Concen: 43.440 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 83759

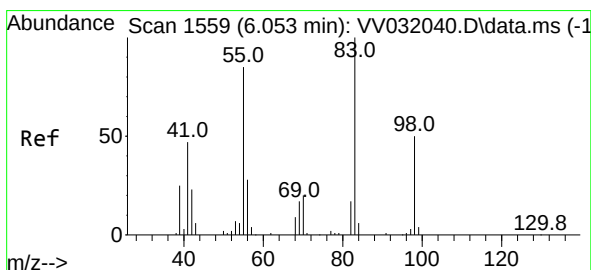
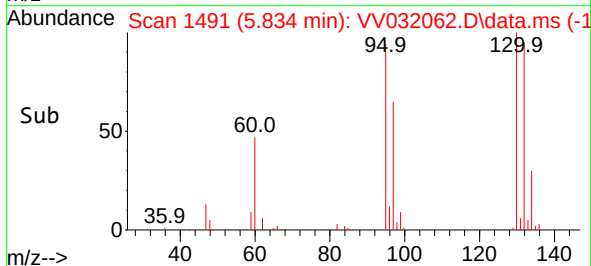
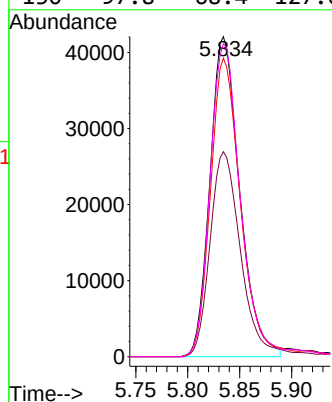
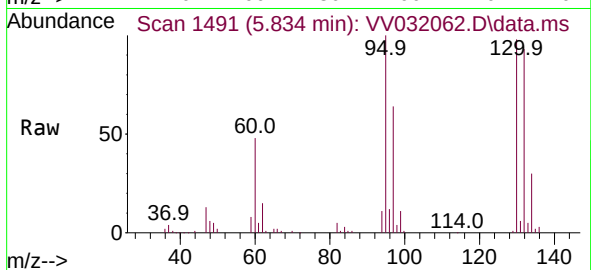
Ion Ratio Lower Upper

95 100

97 64.0 45.4 84.2

132 93.2 65.4 121.4

130 97.8 68.4 127.0



#35

Methylcyclohexane

Concen: 42.010 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

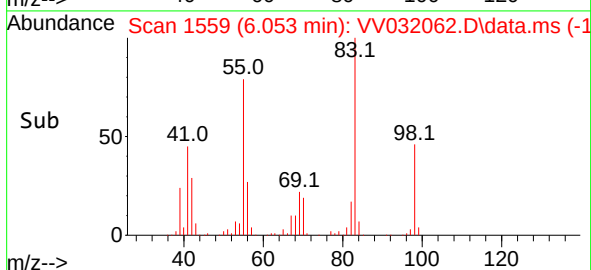
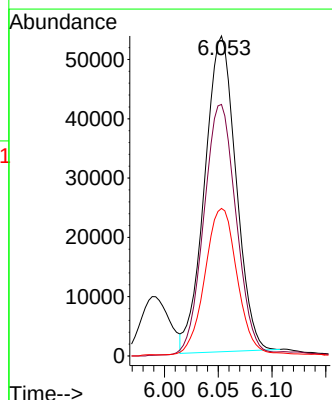
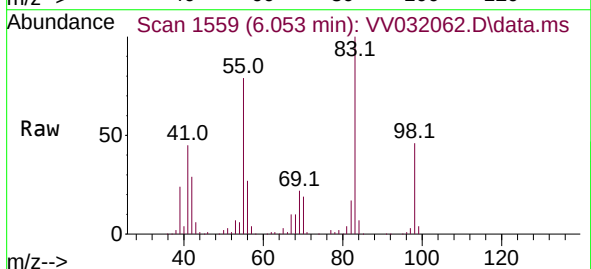
Tgt Ion: 83 Resp: 107742

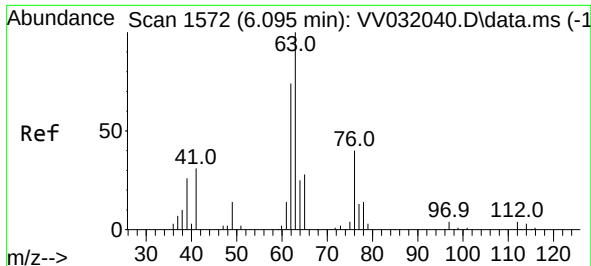
Ion Ratio Lower Upper

83 100

55 82.3 62.2 93.2

98 48.4 36.7 55.1





#37

1,2-Dichloropropane

Concen: 52.930 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

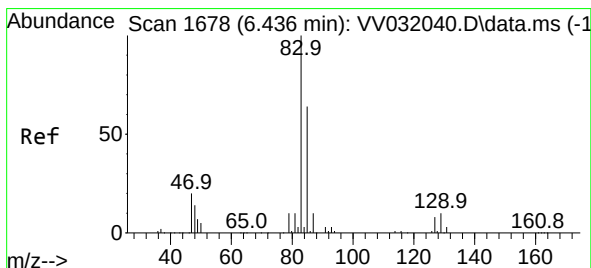
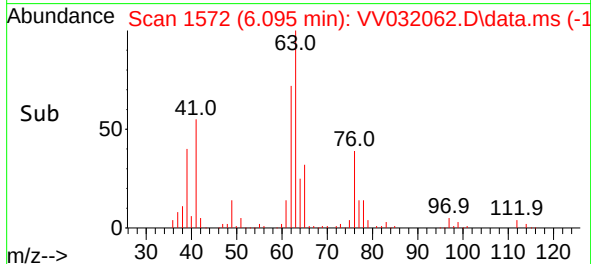
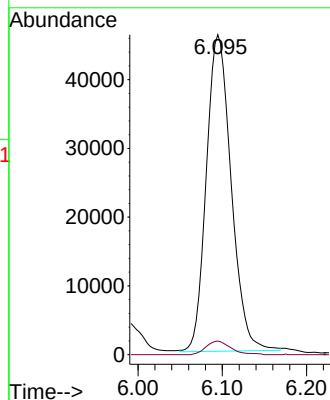
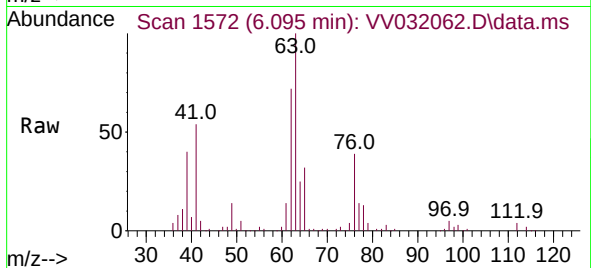
ClientSampleId :

Tgt Ion: 63 Resp: 94589

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 47.729 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

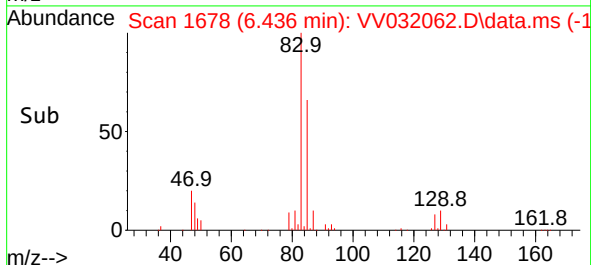
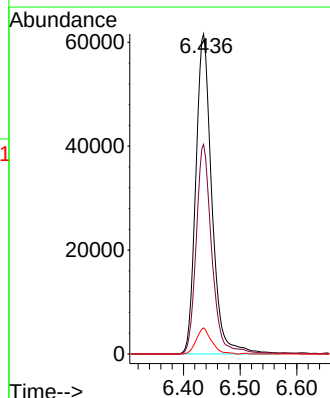
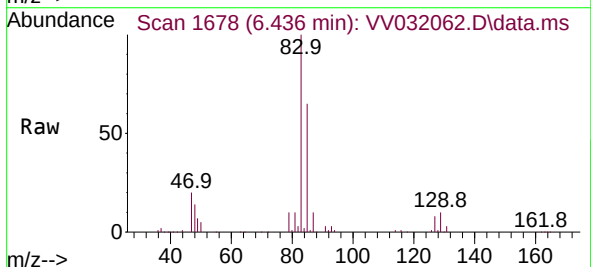
Tgt Ion: 83 Resp: 121067

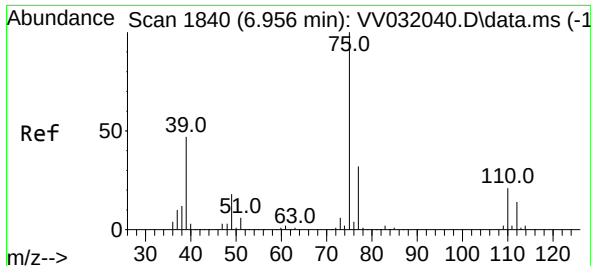
Ion Ratio Lower Upper

83 100

85 65.5 45.2 84.0

127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 44.518 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

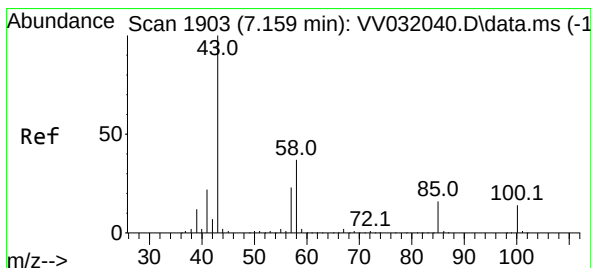
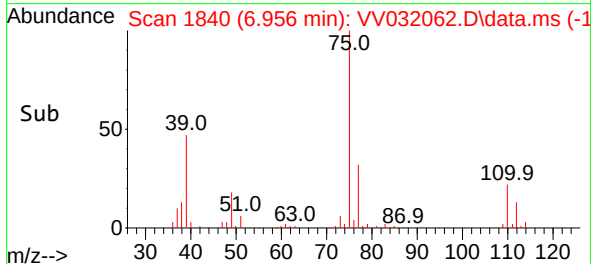
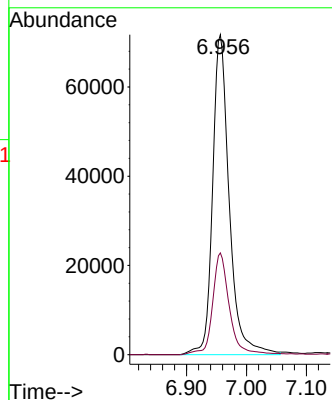
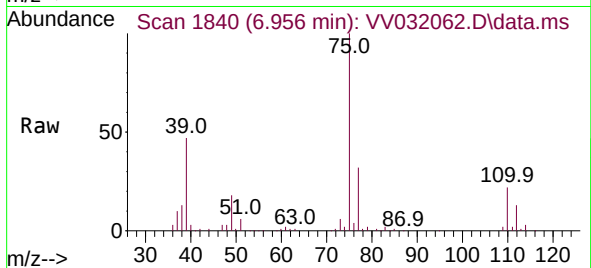
ClientSampleId :

Tgt Ion: 75 Resp: 138315

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 112.119 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

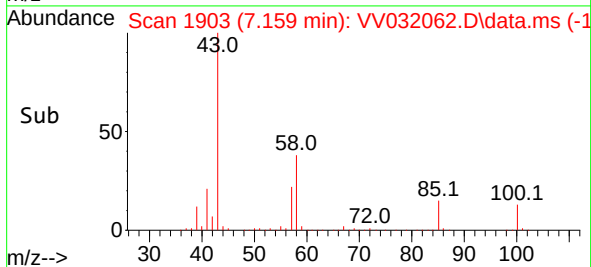
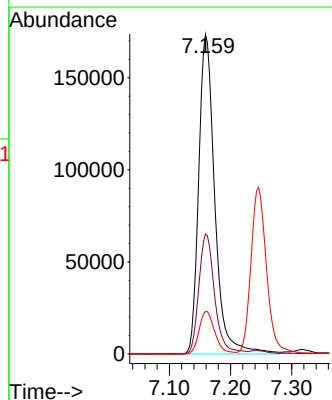
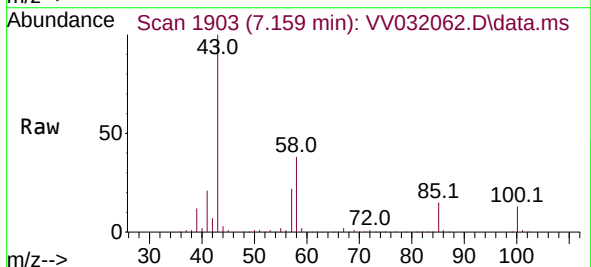
Tgt Ion: 43 Resp: 318013

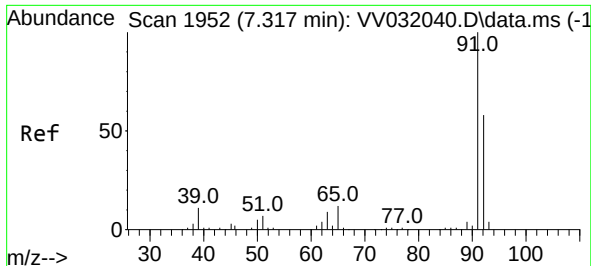
Ion Ratio Lower Upper

43 100

58 37.0 31.1 46.7

100 13.0 11.9 17.9

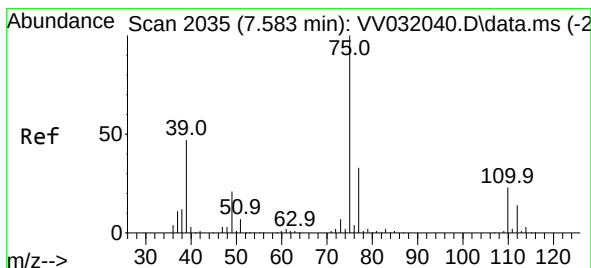
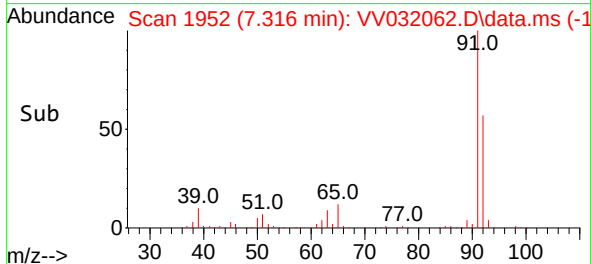
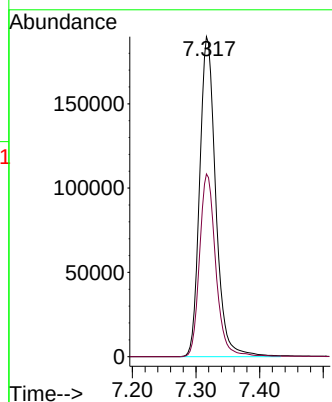
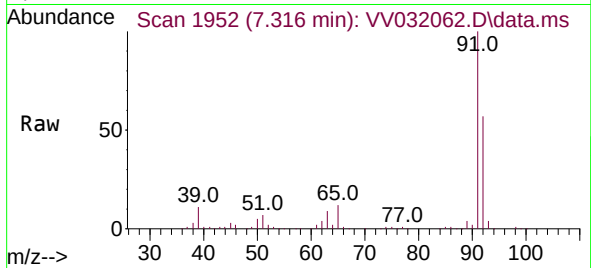




#42
Toluene
Concen: 48.134 ug/L
RT: 7.316 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

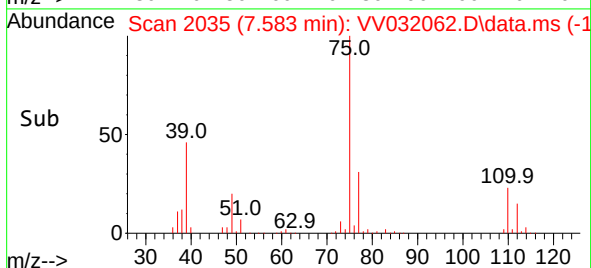
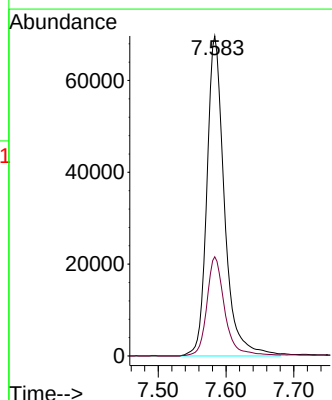
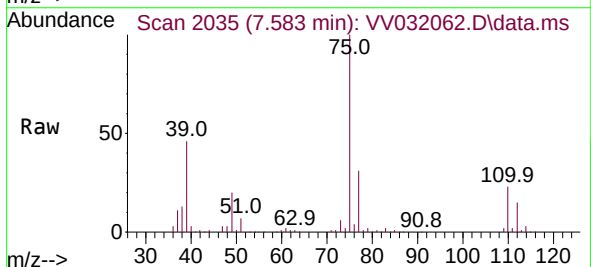
Instrument :
MSVOA_V
ClientSampleId :

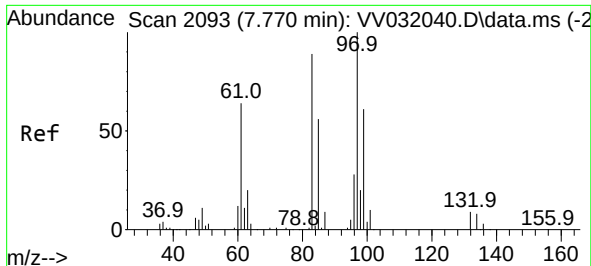
Tgt Ion: 91 Resp: 333822
Ion Ratio Lower Upper
91 100
92 57.1 40.7 75.7



#44
trans-1,3-Dichloropropene
Concen: 41.970 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion: 75 Resp: 125289
Ion Ratio Lower Upper
75 100
77 31.0 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 50.076 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 90408

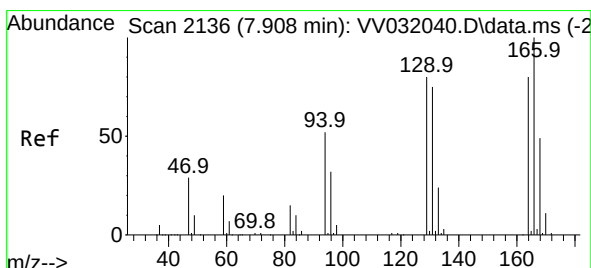
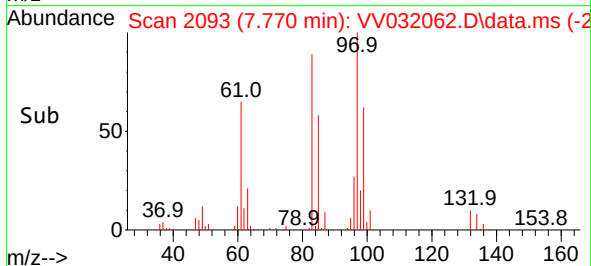
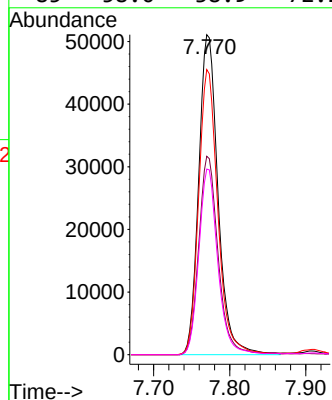
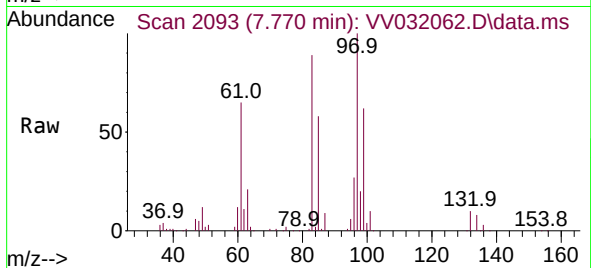
Ion Ratio Lower Upper

97 100

99 62.0 43.0 79.8

83 89.1 61.2 113.6

85 58.0 38.9 72.2



#46

Tetrachloroethene

Concen: 44.923 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Tgt Ion: 164 Resp: 54389

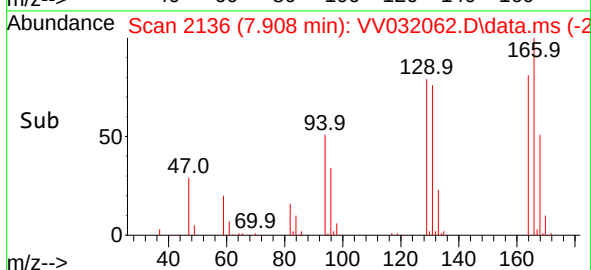
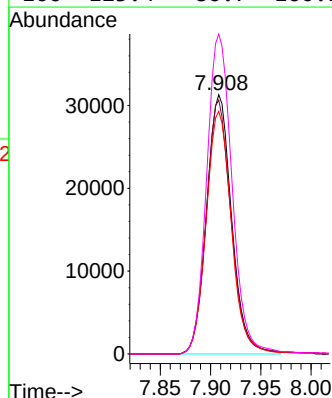
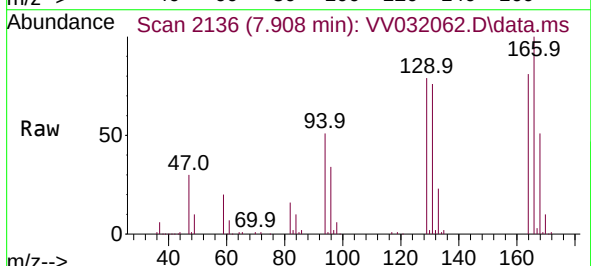
Ion Ratio Lower Upper

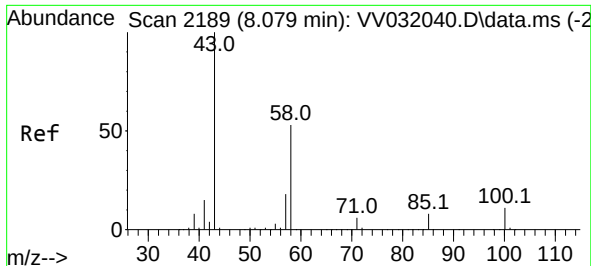
164 100

129 97.9 68.3 126.9

131 93.6 64.9 120.5

166 123.4 86.7 160.9

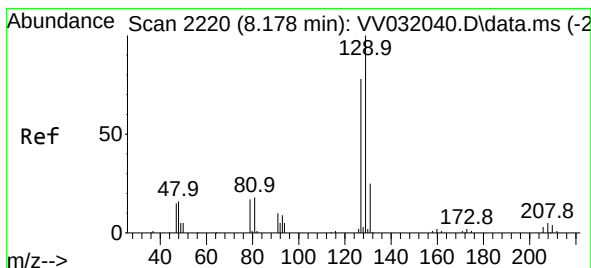
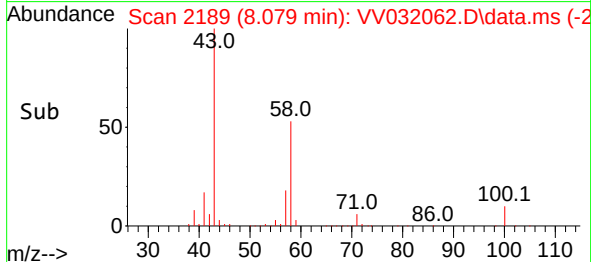
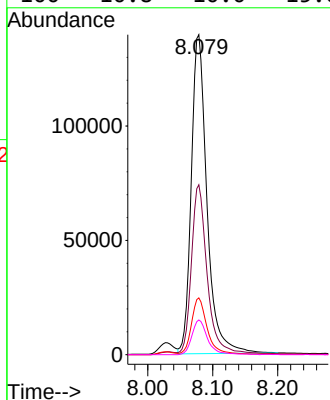
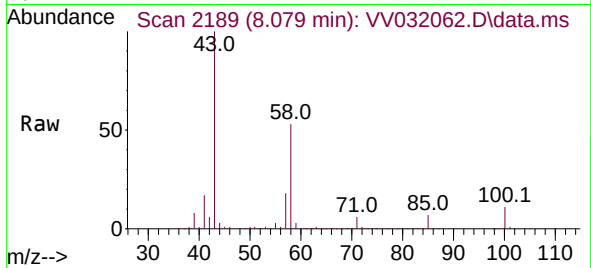




#48
2-Hexanone
Concen: 108.555 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

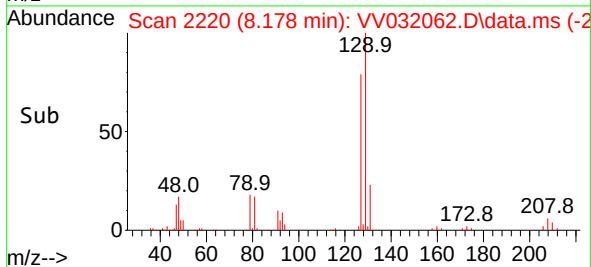
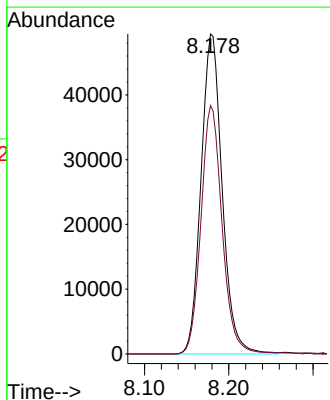
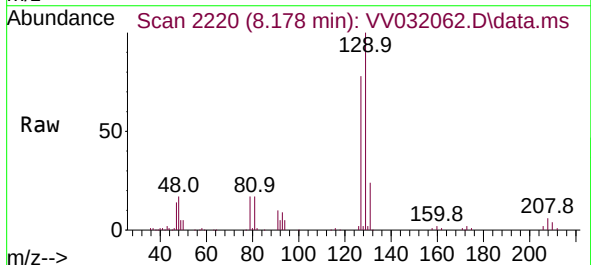
Instrument :
MSVOA_V
ClientSampleId :

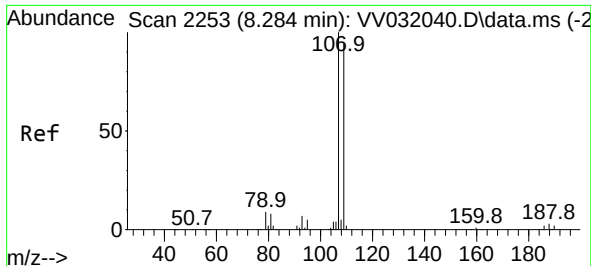
Tgt Ion: 43 Resp: 235137
Ion Ratio Lower Upper
43 100
58 53.4 44.0 66.0
57 17.5 15.9 23.9
100 10.8 10.0 15.0



#49
Dibromochloromethane
Concen: 46.568 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion: 129 Resp: 86394
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.7





#50

1,2-Dibromoethane

Concen: 47.412 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

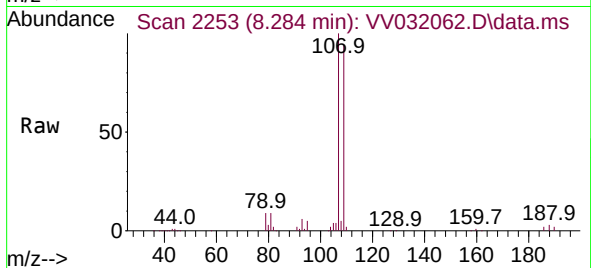
Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

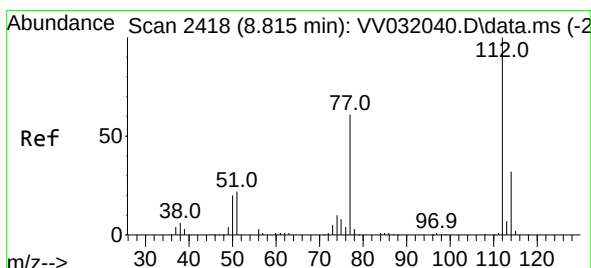
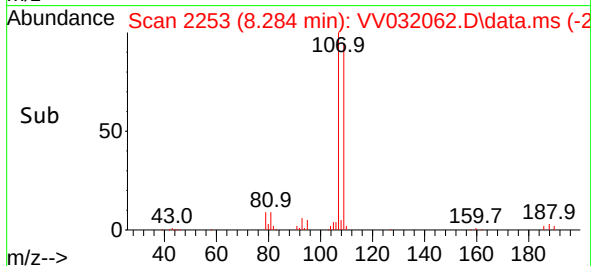
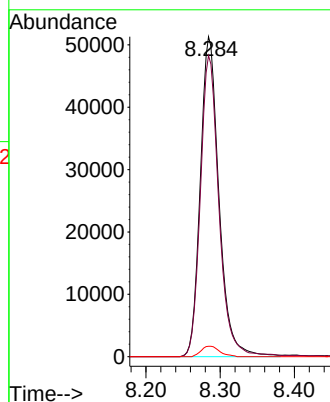
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	89655
Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.4	121.4
188	3.3	2.8	4.2



#51

Chlorobenzene

Concen: 47.508 ug/L

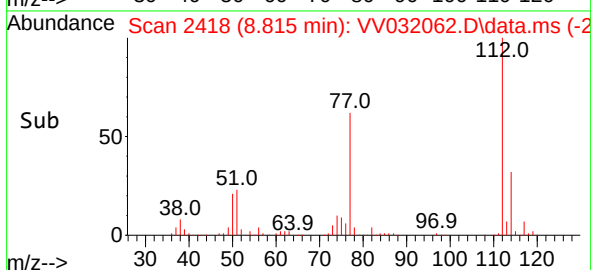
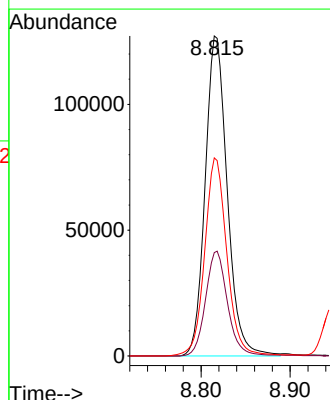
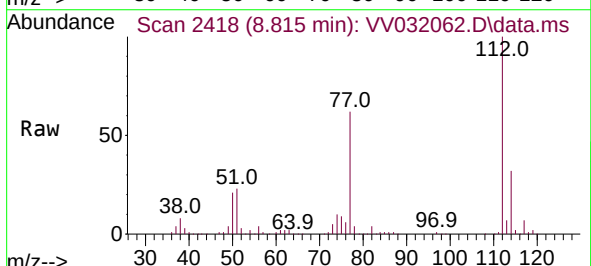
RT: 8.815 min Scan# 2418

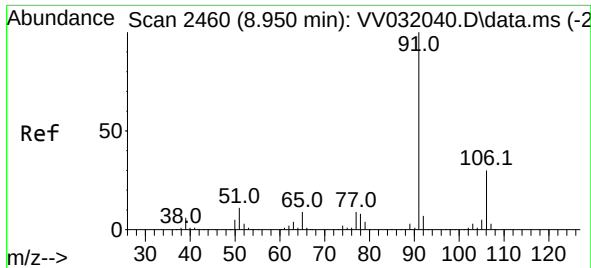
Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Tgt Ion:	112	Resp:	218930
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.0	40.8
77	61.9	49.4	74.0

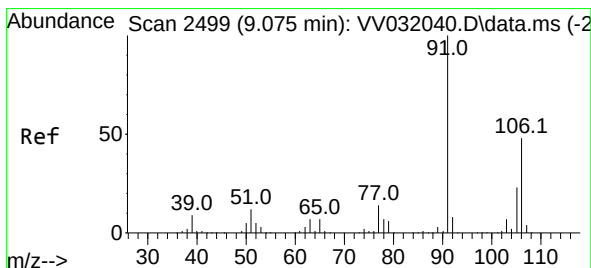
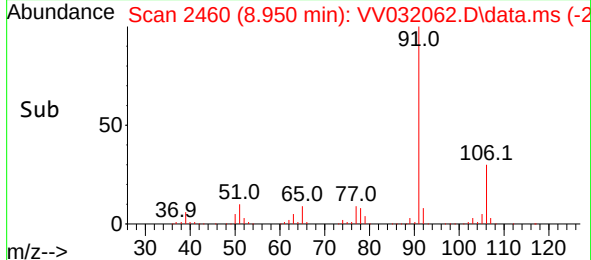
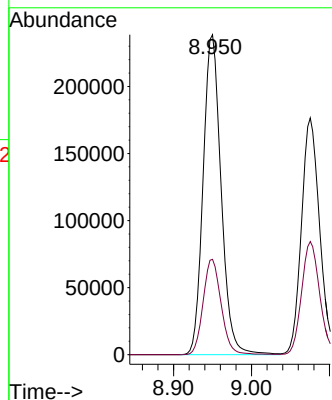
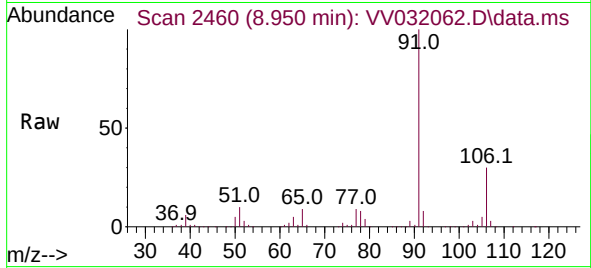




#52
Ethylbenzene
Concen: 46.603 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

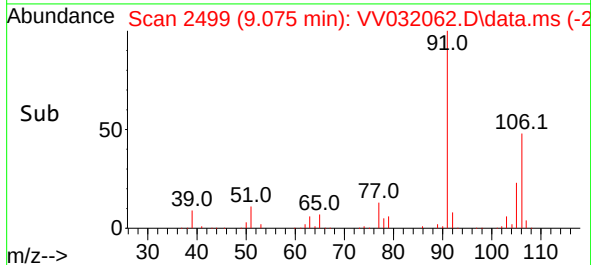
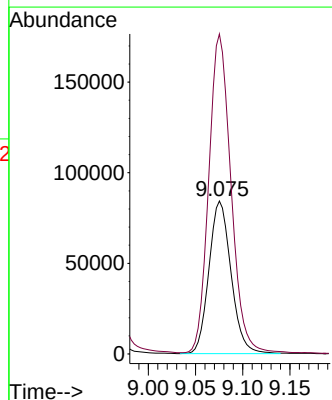
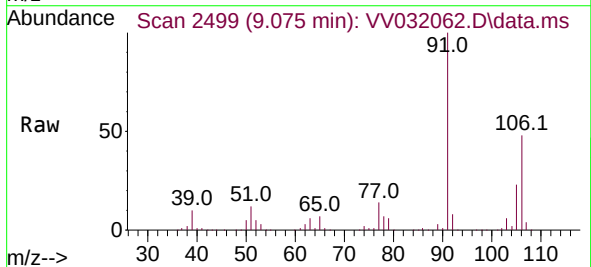
Instrument :
MSVOA_V
ClientSampleId :

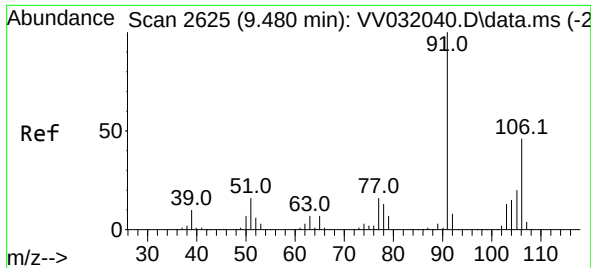
Tgt Ion: 91 Resp: 382853
Ion Ratio Lower Upper
91 100
106 29.8 21.5 39.9



#53
m,p-Xylene
Concen: 44.803 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion:106 Resp: 136661
Ion Ratio Lower Upper
106 100
91 209.3 147.0 273.0

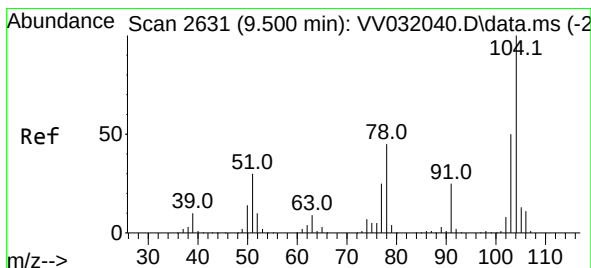
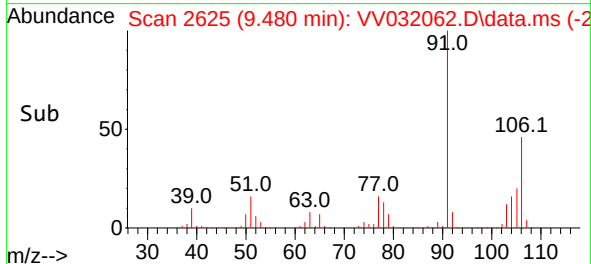
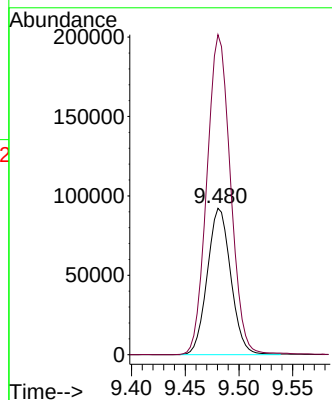
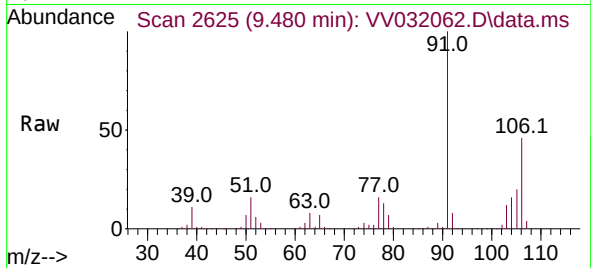




#54
o-Xylene
Concen: 46.239 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

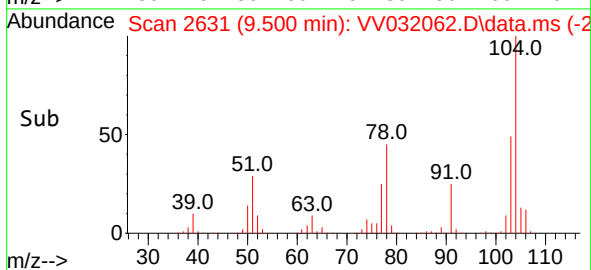
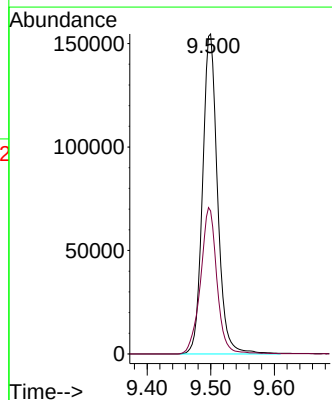
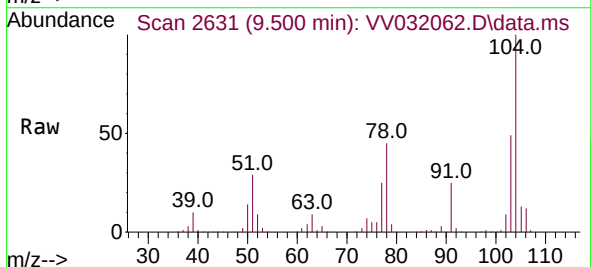
Instrument :
MSVOA_V
ClientSampleId :

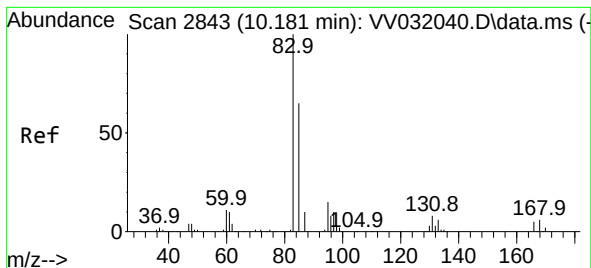
Tgt Ion:106 Resp: 140276
Ion Ratio Lower Upper
106 100
91 218.5 154.3 286.5



#55
Styrene
Concen: 47.121 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion:104 Resp: 252710
Ion Ratio Lower Upper
104 100
78 44.7 32.3 59.9

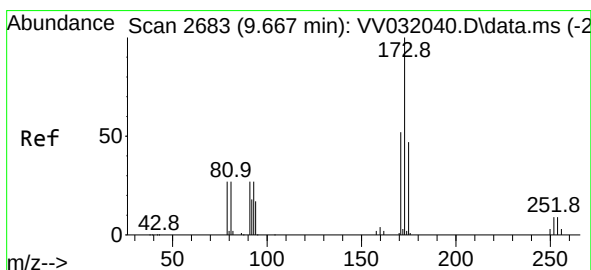
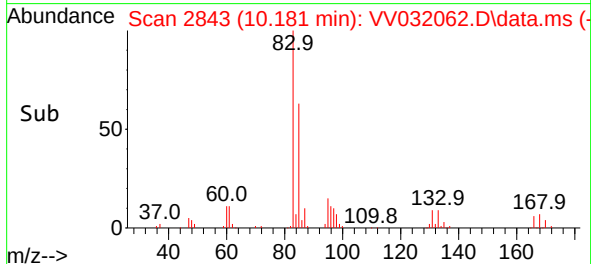
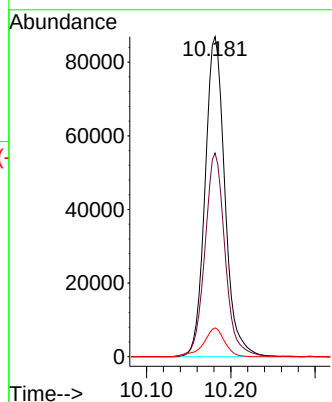
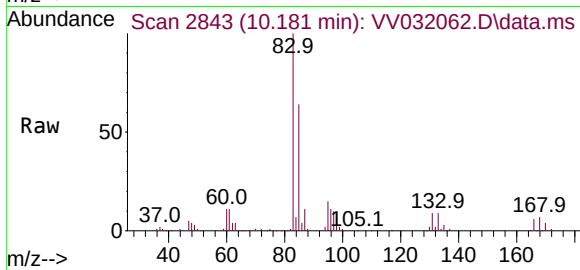




#57
1,1,2,2-Tetrachloroethane
Concen: 55.678 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

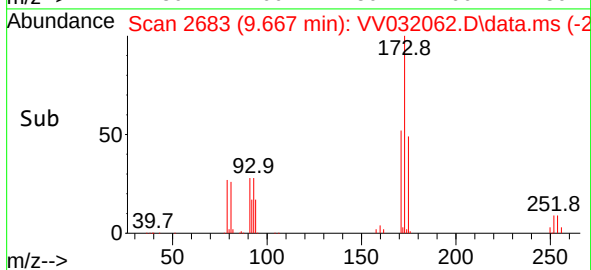
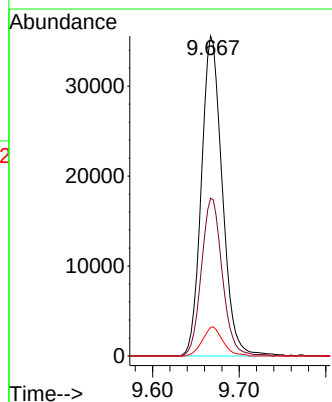
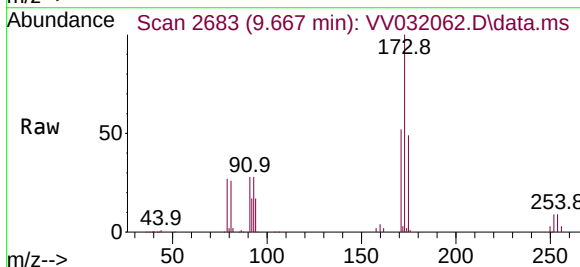
Instrument :
MSVOA_V
ClientSampleId :

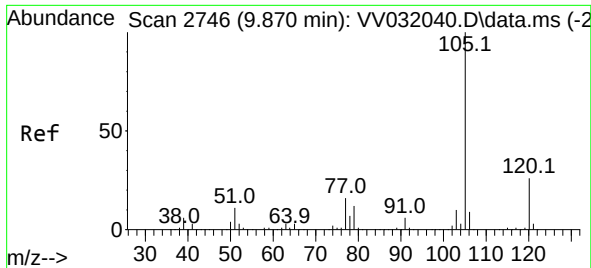
Tgt Ion: 83 Resp: 142301
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.9
131 9.0 7.4 11.2



#59
Bromoform
Concen: 46.372 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion: 173 Resp: 59531
Ion Ratio Lower Upper
173 100
175 49.1 38.3 57.5
254 8.9 6.9 10.3

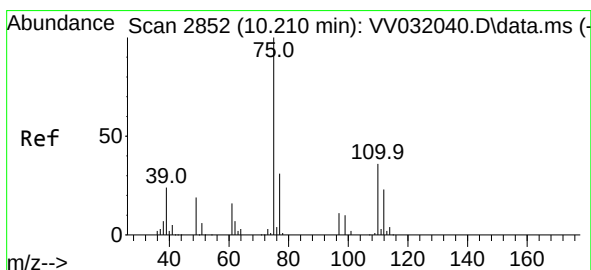
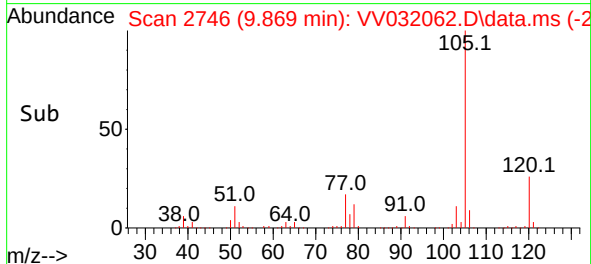
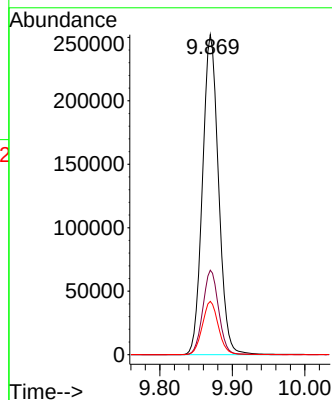
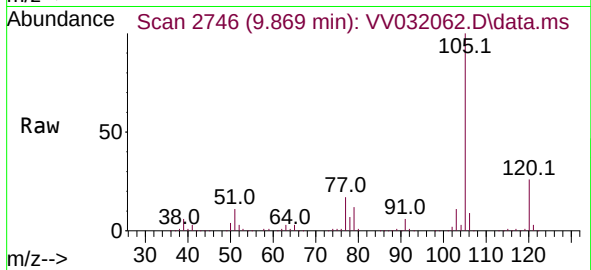




#60
Isopropylbenzene
Concen: 46.753 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

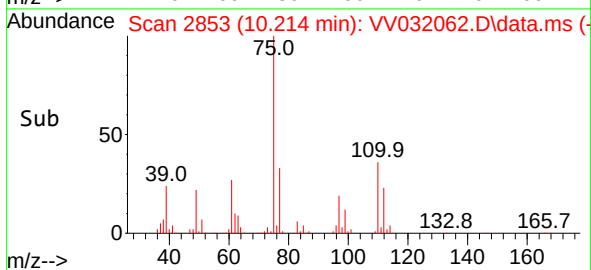
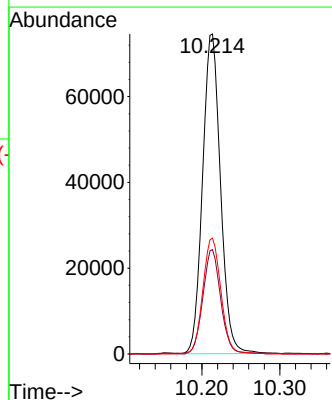
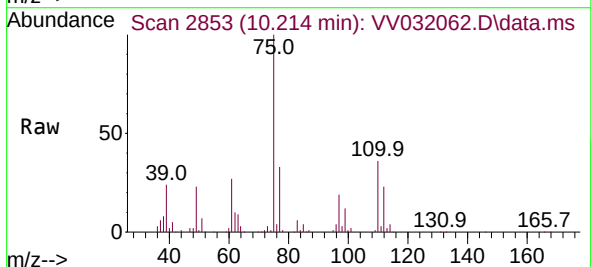
Instrument :
MSVOA_V
ClientSampleId :

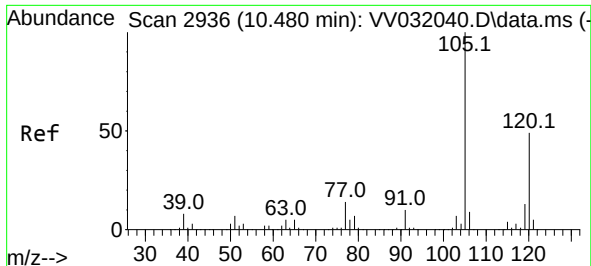
Tgt Ion:105 Resp: 387670
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.8 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 50.996 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion: 75 Resp: 119276
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 36.5 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 45.014 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

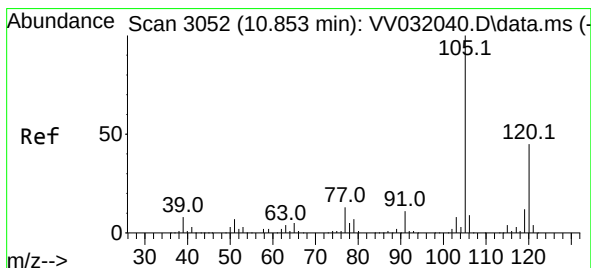
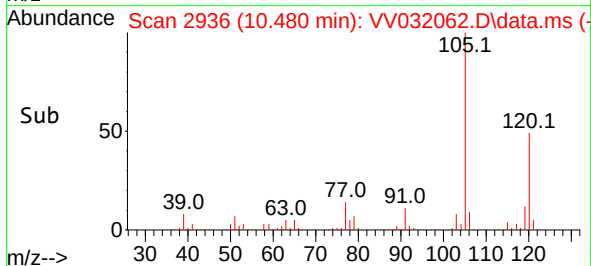
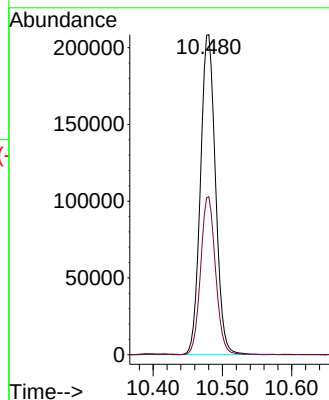
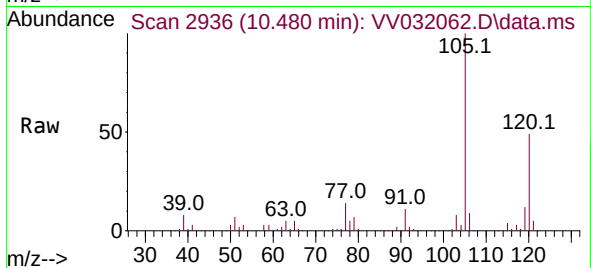
ClientSampleId :

Tgt Ion:105 Resp: 314019

Ion Ratio Lower Upper

105 100

120 49.1 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 45.234 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032062.D

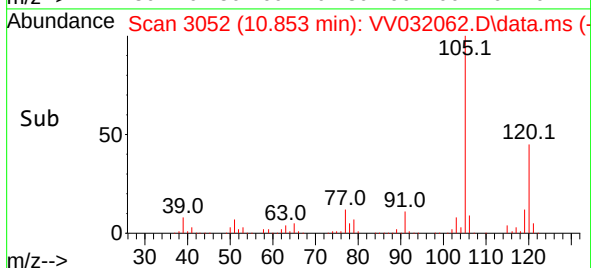
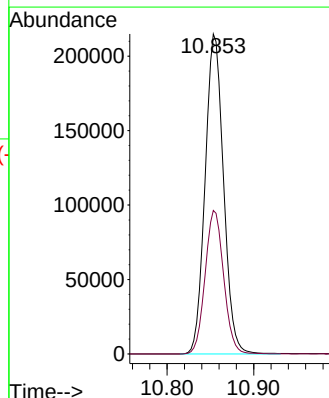
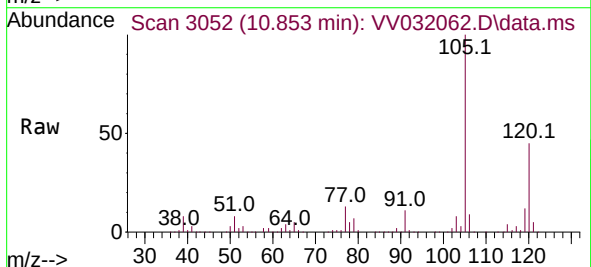
Acq: 13 Sep 2023 09:11

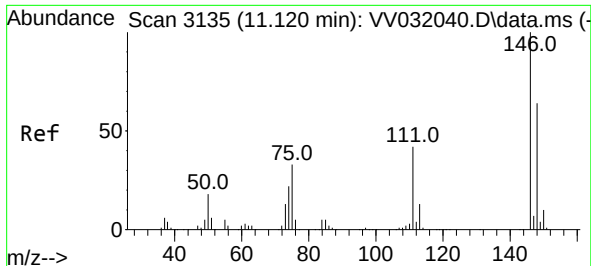
Tgt Ion:105 Resp: 317436

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9

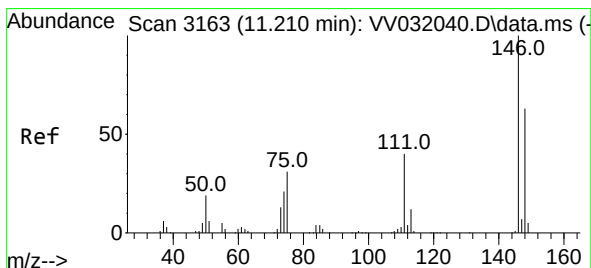
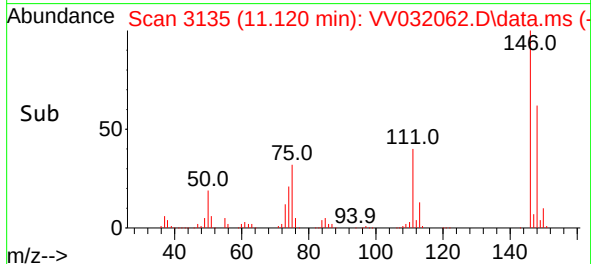
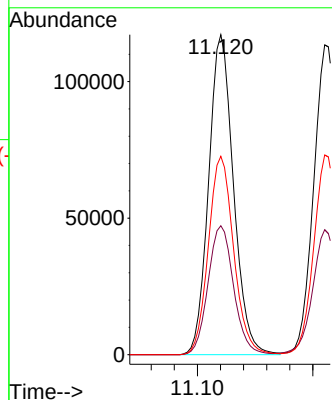
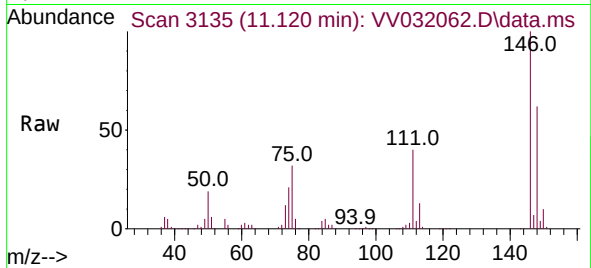




#64
1,3-Dichlorobenzene
Concen: 47.114 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

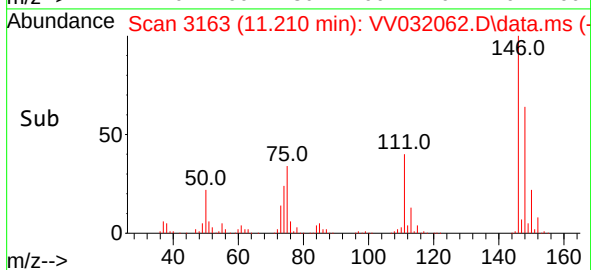
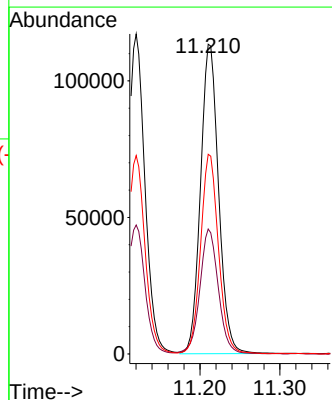
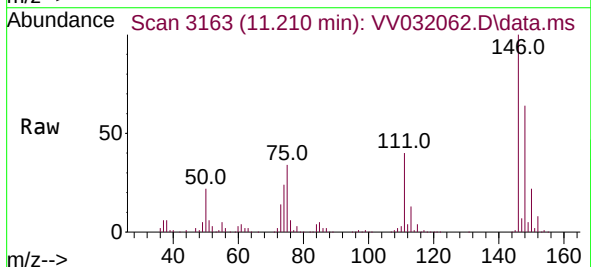
Instrument :
MSVOA_V
ClientSampleId :

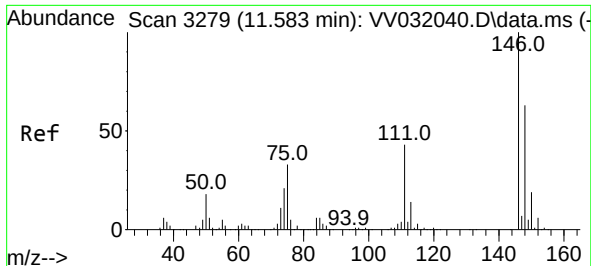
Tgt Ion:146 Resp: 175083
Ion Ratio Lower Upper
146 100
111 40.3 30.2 56.0
148 62.0 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 47.192 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion:146 Resp: 178327
Ion Ratio Lower Upper
146 100
111 40.4 28.5 52.9
148 64.5 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.342 ug/L

RT: 11.583 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

ClientSampleId :

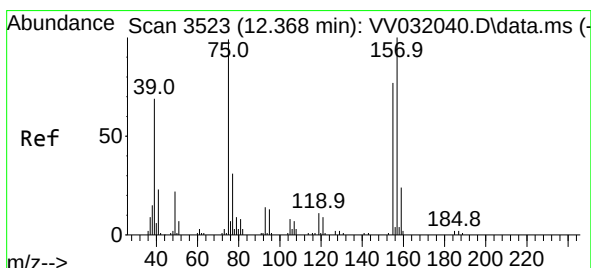
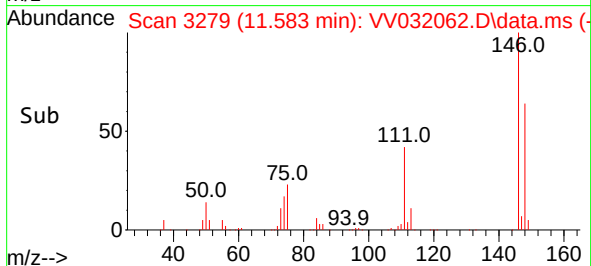
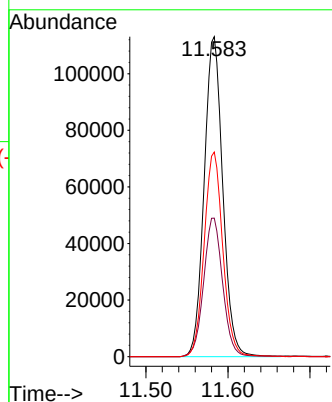
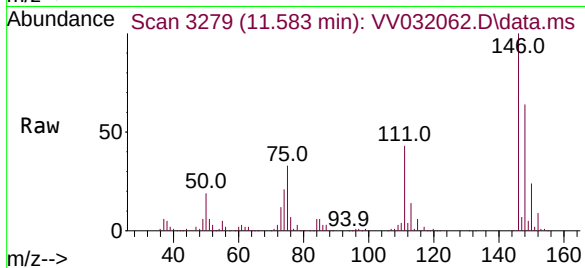
Tgt Ion:146 Resp: 178015

Ion Ratio Lower Upper

146 100

111 43.3 35.8 53.6

148 64.0 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 44.506 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

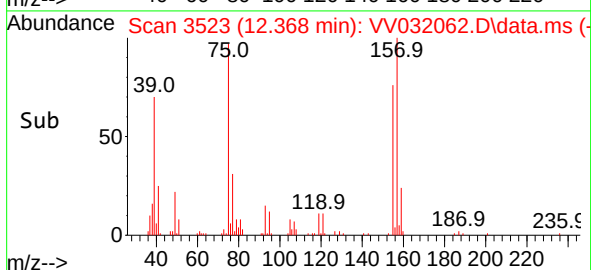
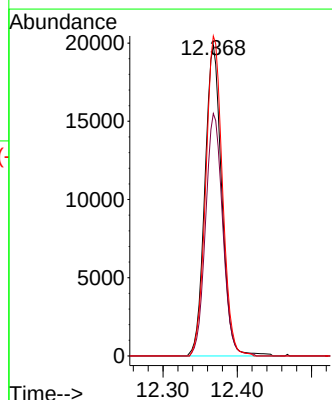
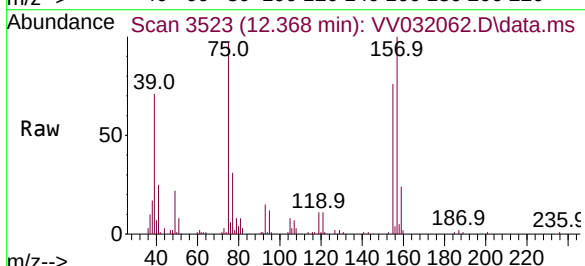
Tgt Ion: 75 Resp: 31268

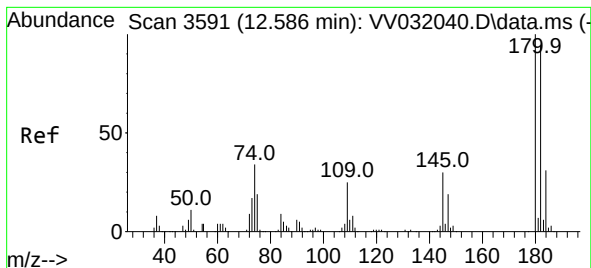
Ion Ratio Lower Upper

75 100

155 78.0 60.1 90.1

157 102.9 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 44.973 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

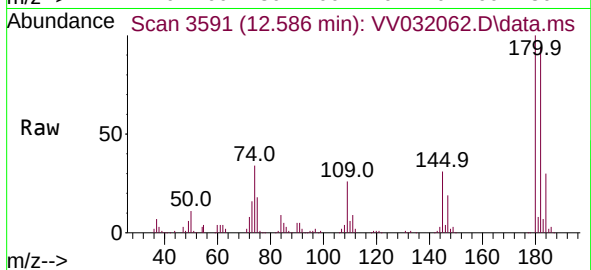
Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 121835

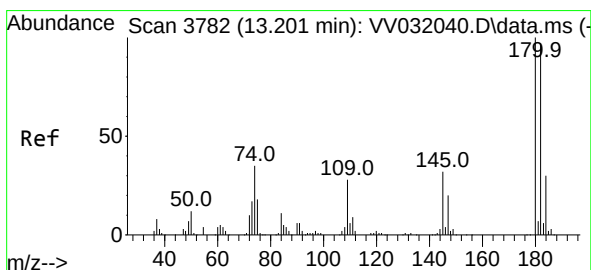
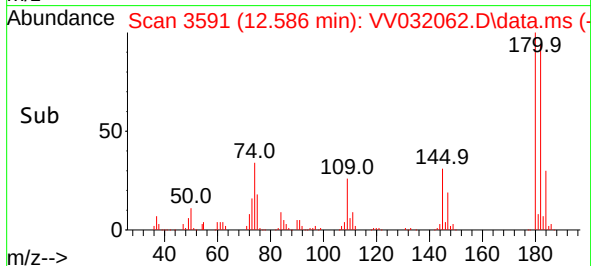
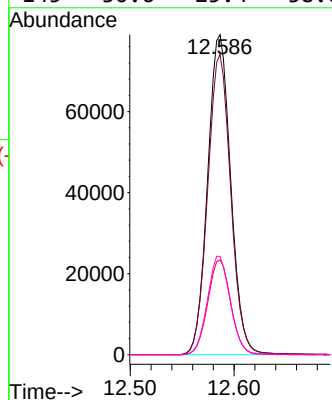
Ion Ratio Lower Upper

180 100

182 93.7 75.4 113.2

184 29.6 23.7 35.5

145 30.6 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 44.462 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032062.D

Acq: 13 Sep 2023 09:11

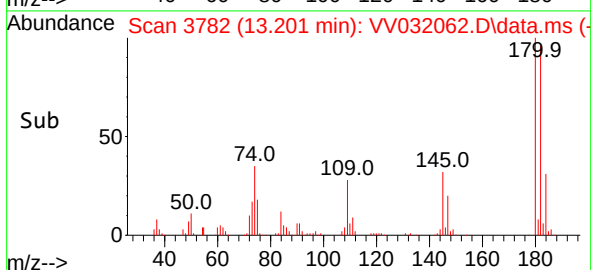
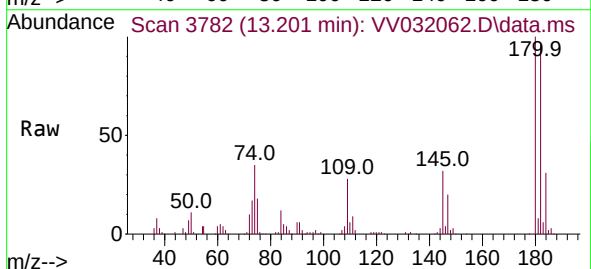
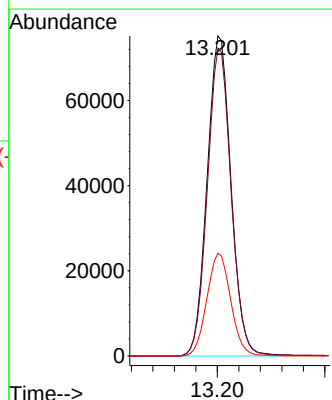
Tgt Ion:180 Resp: 115618

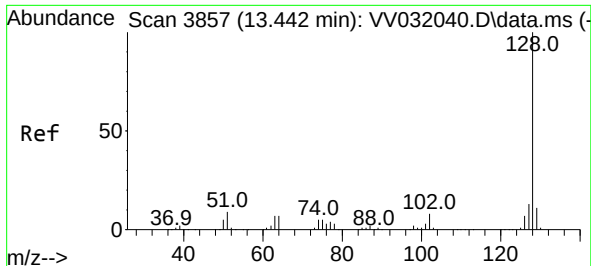
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.2

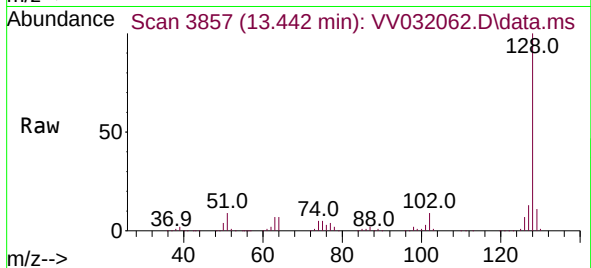
145 32.1 26.0 39.0



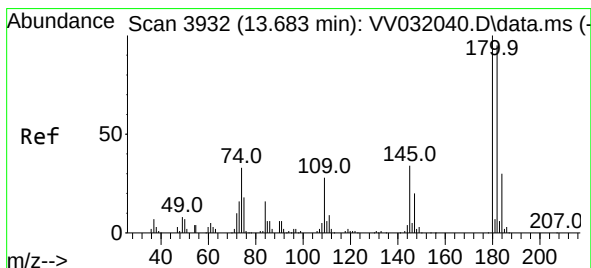
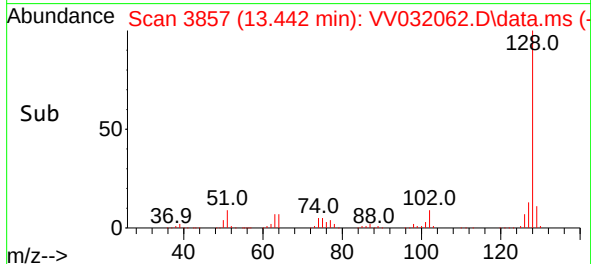
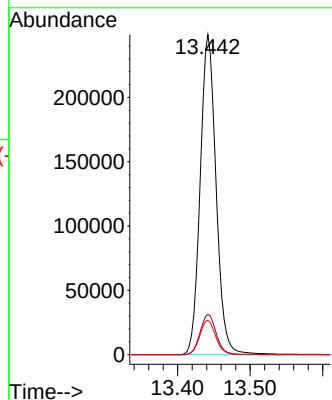


#71
Naphthalene
Concen: 45.584 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 378717
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 47.577 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032062.D
Acq: 13 Sep 2023 09:11

Tgt Ion:180 Resp: 118552
Ion Ratio Lower Upper
180 100
182 95.0 76.7 115.1
145 33.0 27.7 41.5

