

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111323\
 Data File : VV032921.D
 Acq On : 13 Nov 2023 10:21
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 22:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	410015	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	413738	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	220397	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	35753	10.310	ug/L	0.00
7) Chloroethane-d5	1.532	69	28909	10.062	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	15075	9.978	ug/L	0.00
21) 2-Butanone-d5	3.799	46	22647	16.081	ug/L	0.02
24) Chloroform-d	4.253	84	61625	10.287	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	36414	9.989	ug/L	0.00
32) Benzene-d6	4.963	84	112047	9.929	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	32837	10.011	ug/L	0.00
41) Toluene-d8	7.246	98	100032	9.615	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	15934	9.151	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	19839	16.811	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	47559	9.898	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	42352	9.889	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	38532	10.868	ug/L	98
3) Chloromethane	1.217	50	36803	10.506	ug/L	98
5) Vinyl chloride	1.285	62	37290	10.579	ug/L	97
6) Bromomethane	1.487	94	24890	10.652	ug/L	93
8) Chloroethane	1.552	64	23176	10.412	ug/L	99
9) Trichlorofluoromethane	1.716	101	59362	10.607	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	34370	10.601	ug/L	99
12) 1,1-Dichloroethene	2.073	96	30176	10.405	ug/L	98
13) Acetone	2.111	43	43548	21.945	ug/L	96
14) Carbon disulfide	2.243	76	85803	10.389	ug/L	98
15) Methyl Acetate	2.375	43	23689	10.153	ug/L	97
16) Methylene chloride	2.449	84	32985	10.661	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	29087	10.131	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	82566	9.799	ug/L	98
19) 1,1-Dichloroethane	3.114	63	54104	10.548	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	30765	9.950	ug/L	96
22) 2-Butanone	3.793	43	333	0.189	ug/L	83
23) Bromochloromethane	4.246	128	162	0.094	ug/L #	1
25) Chloroform	4.281	83	59404	10.496	ug/L	95
27) 1,2-Dichloroethane	5.047	62	43890	10.280	ug/L	97
29) Cyclohexane	4.584	56	38055	9.571	ug/L #	93
30) 1,1,1-Trichloroethane	4.513	97	53422	10.536	ug/L	96
31) Carbon tetrachloride	4.735	117	47210	10.412	ug/L	99
33) Benzene	5.015	78	114802	10.216	ug/L	100
34) Trichloroethene	5.838	95	31350	10.265	ug/L	94
35) Methylcyclohexane	6.050	83	44623	9.695	ug/L	99
37) 1,2-Dichloropropane	6.098	63	29593	10.545	ug/L #	96
38) Bromodichloromethane	6.436	83	42630	10.183	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	43581	9.338	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	54175	18.103	ug/L	99
42) Toluene	7.320	91	122952	10.027	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	42586	9.394	ug/L	100

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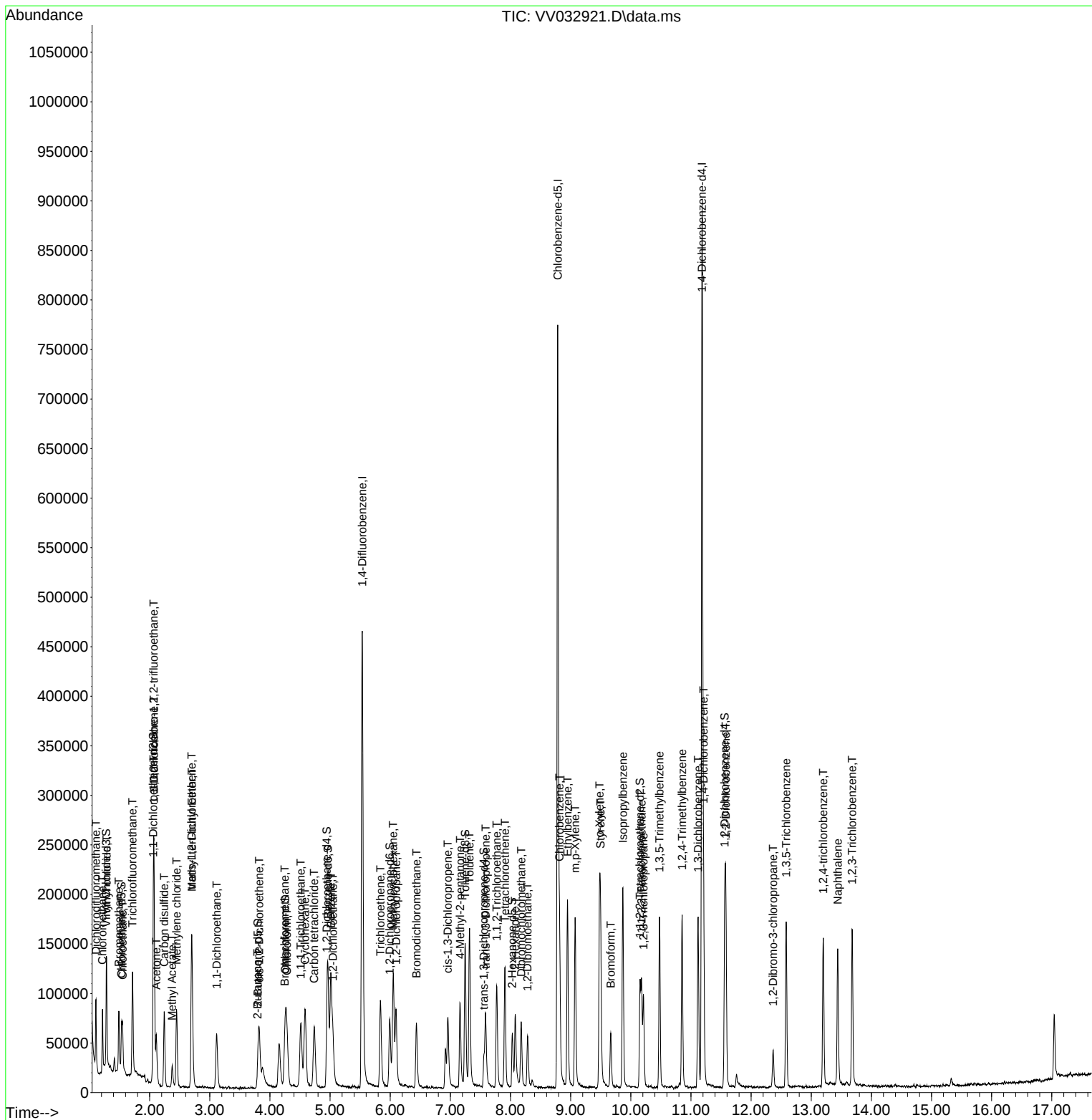
Instrument :
 MSVOA_V
 ClientSampleId :

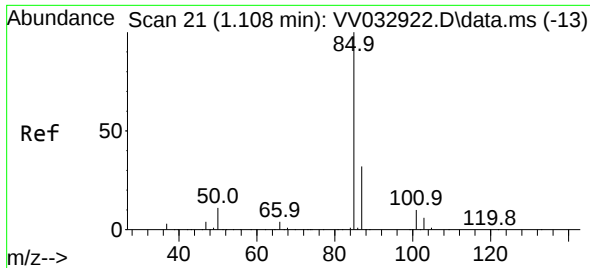
Quant Time: Nov 13 22:48:55 2023
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 13 22:47:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	31399	10.083	ug/L	99
46) Tetrachloroethene	7.908	164	27555	10.489	ug/L	97
48) 2-Hexanone	8.079	43	44392	17.941	ug/L	99
49) Dibromochloromethane	8.178	129	33331	9.935	ug/L	98
50) 1,2-Dibromoethane	8.284	107	34053	10.273	ug/L	99
51) Chlorobenzene	8.815	112	87450	10.295	ug/L	99
52) Ethylbenzene	8.950	91	131786	9.705	ug/L	99
53) m,p-Xylene	9.075	106	49498	9.480	ug/L	96
54) o-Xylene	9.481	106	46269	9.190	ug/L	94
55) Styrene	9.497	104	82760	9.319	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	48763	10.178	ug/L	97
59) Bromoform	9.667	173	23033	9.824	ug/L	97
60) Isopropylbenzene	9.870	105	126879	9.725	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	34095	10.568	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	89585	9.052	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	90879	8.782	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	69517	10.216	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	77606	10.634	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	68893	10.068	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.365	75	8988	9.969	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	50651	9.921	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	44191	9.636	ug/L	97
71) Naphthalene	13.442	128	107662	8.933	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	45605	9.881	ug/L	96

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

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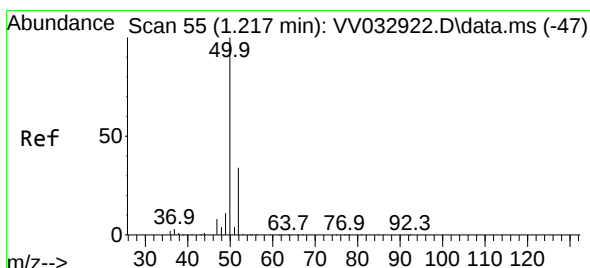
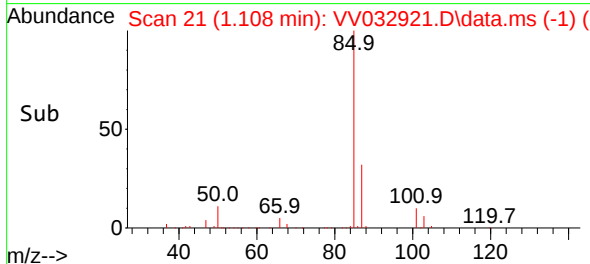
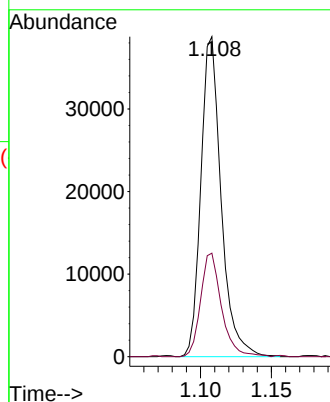
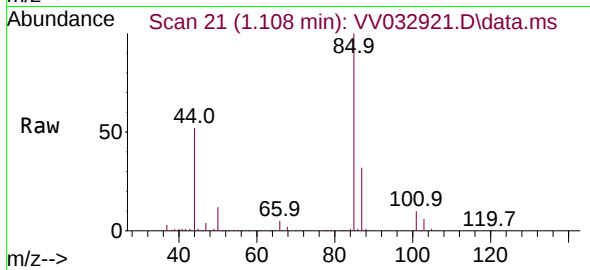




#2
 Dichlorodifluoromethane
 Concen: 10.868 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV032921.D
 Acq: 13 Nov 2023 10:21

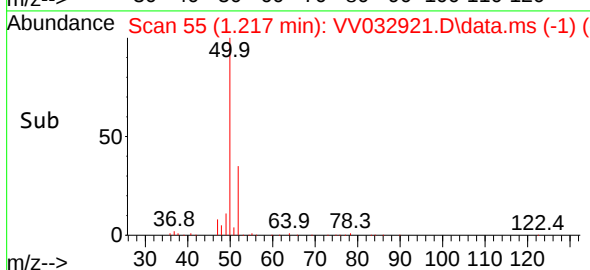
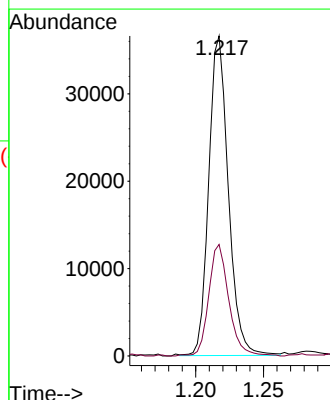
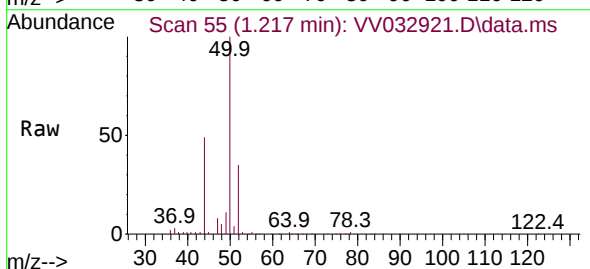
Instrument :
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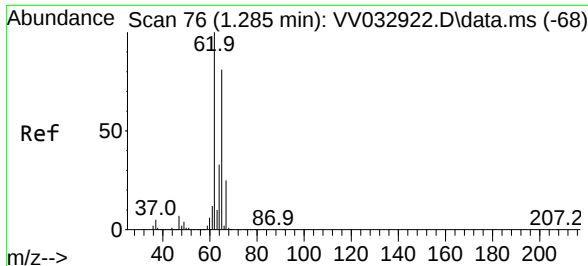
Tgt Ion: 85 Resp: 38532
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.8 38.8



#3
 Chloromethane
 Concen: 10.506 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032921.D
 Acq: 13 Nov 2023 10:21

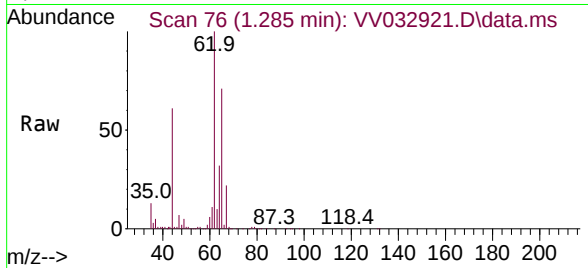
Tgt Ion: 50 Resp: 36803
 Ion Ratio Lower Upper
 50 100
 52 34.8 23.6 43.8



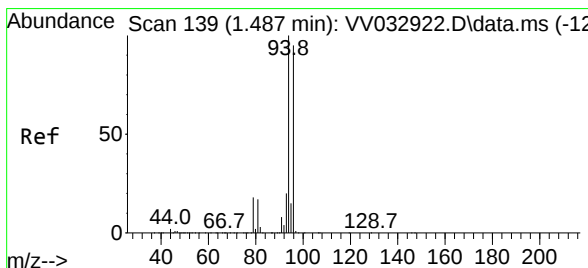
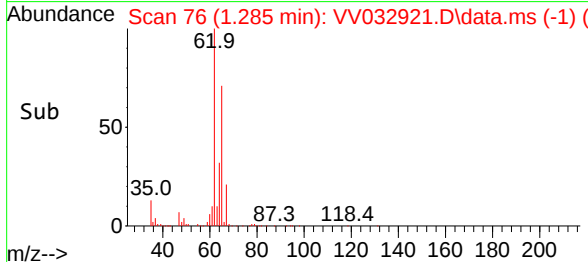
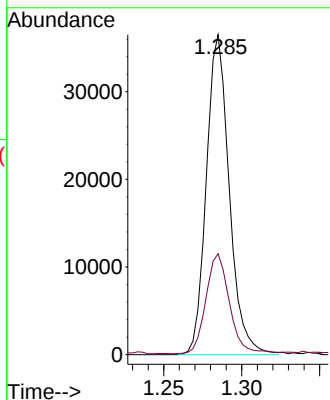


#5
 Vinyl chloride
 Concen: 10.579 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032921.D
 Acq: 13 Nov 2023 10:21

Instrument :
 MSVOA_V
 ClientSampleId :

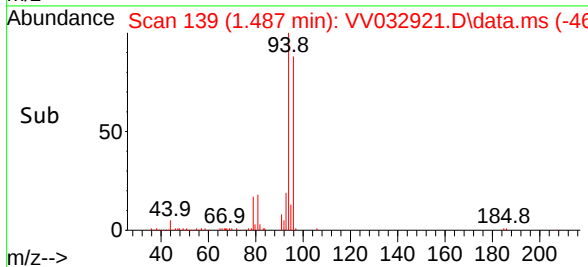
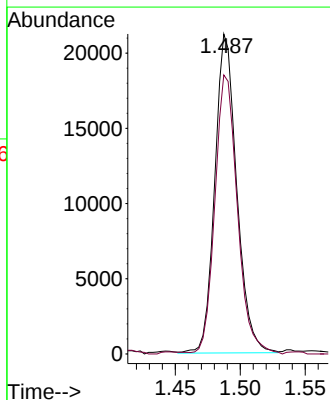
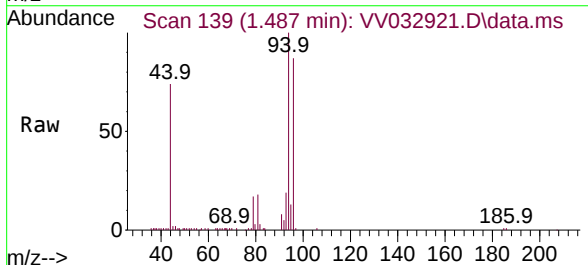


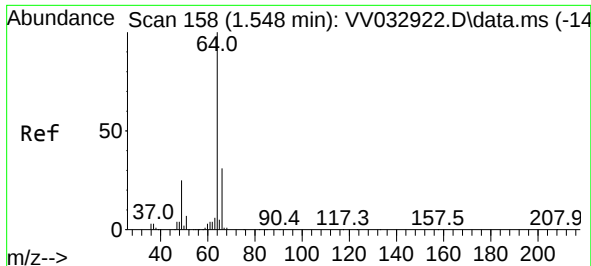
Tgt Ion: 62 Resp: 37290
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.1 42.9



#6
 Bromomethane
 Concen: 10.652 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032921.D
 Acq: 13 Nov 2023 10:21

Tgt Ion: 94 Resp: 24890
 Ion Ratio Lower Upper
 94 100
 96 87.2 66.0 122.6

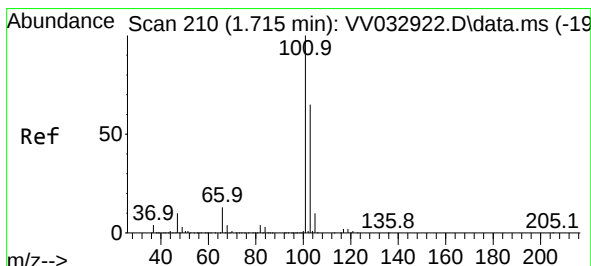
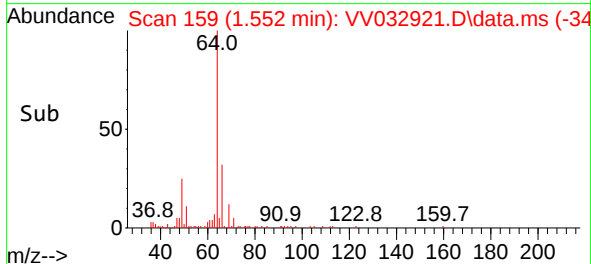
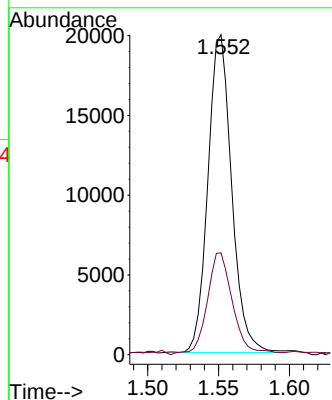
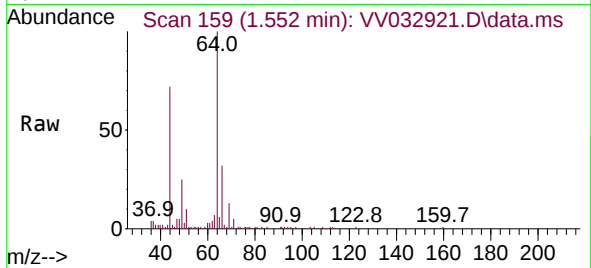




#8
Chloroethane
Concen: 10.412 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

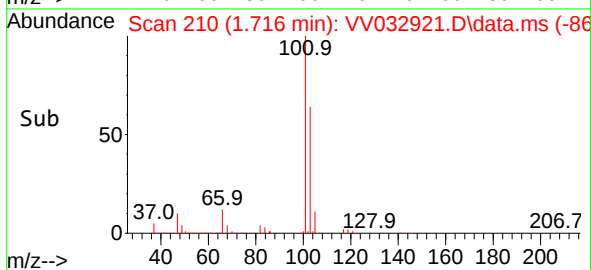
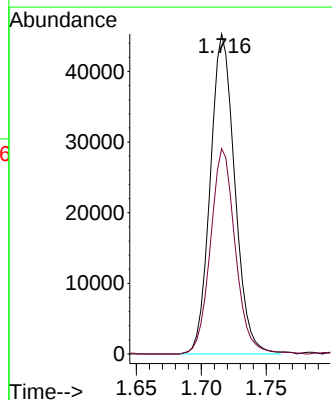
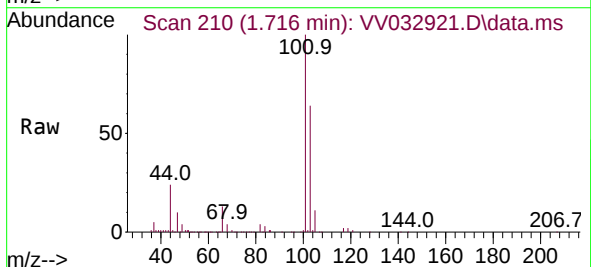
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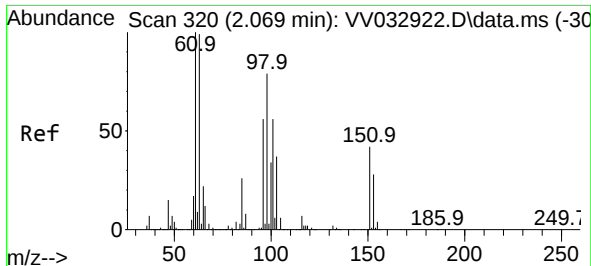
Tgt Ion: 64 Resp: 23176
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 10.607 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 101 Resp: 59362
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8





#10

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

Concen: 10.601 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

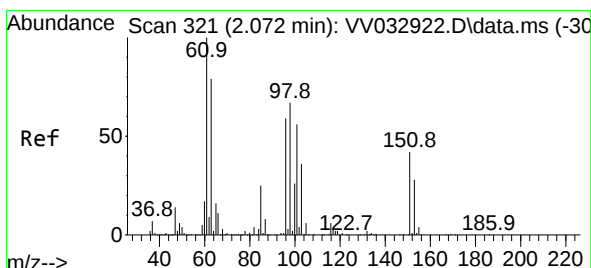
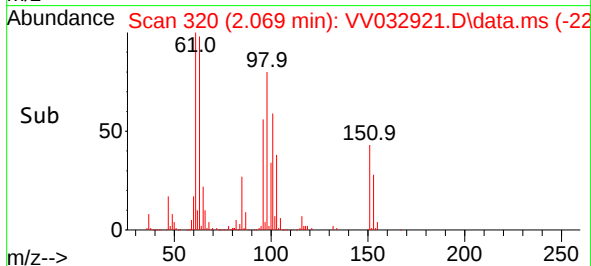
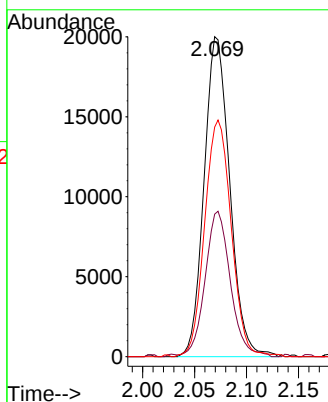
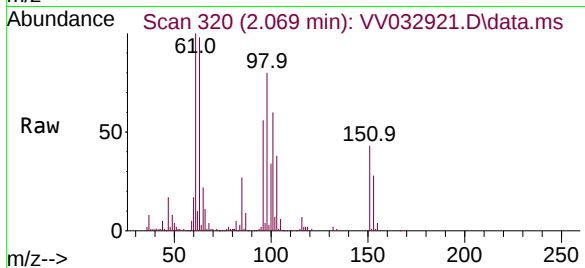
Tgt Ion:101 Resp: 34370

Ion Ratio Lower Upper

101 100

85 44.7 35.9 53.9

151 76.8 60.6 91.0



#12

1,1-Dichloroethene

Concen: 10.405 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

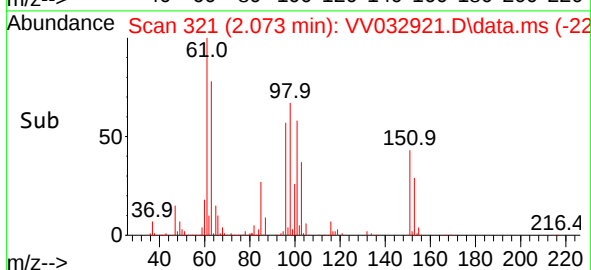
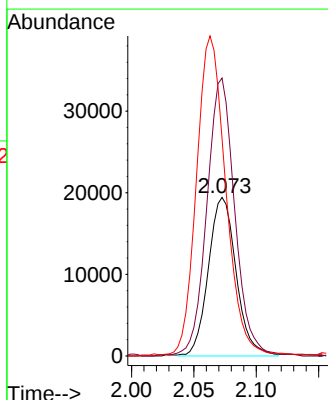
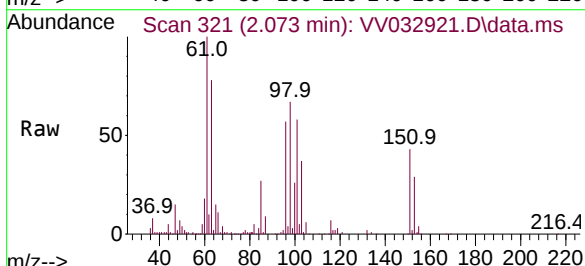
Tgt Ion: 96 Resp: 30176

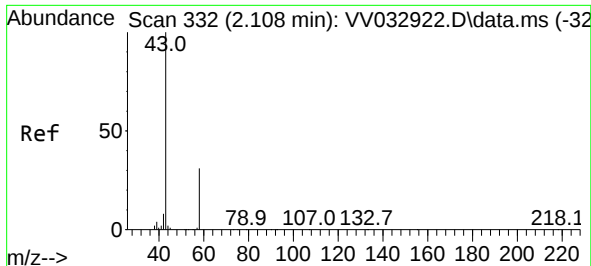
Ion Ratio Lower Upper

96 100

61 175.4 119.6 222.0

63 137.2 95.1 176.7





#13

Acetone

Concen: 21.945 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

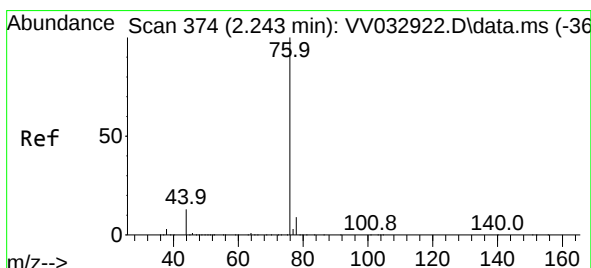
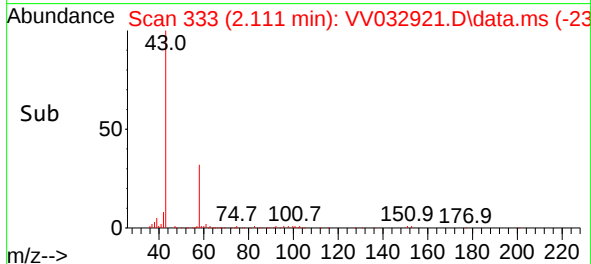
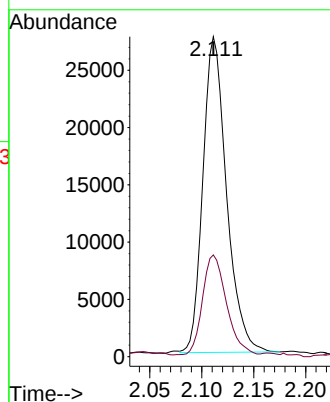
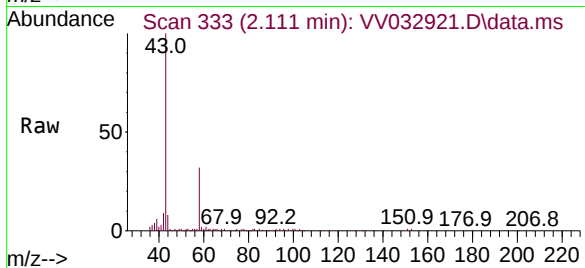
ClientSampleId :

Tgt Ion: 43 Resp: 43548

Ion Ratio Lower Upper

43 100

58 33.4 0.0 62.8



#14

Carbon disulfide

Concen: 10.389 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032921.D

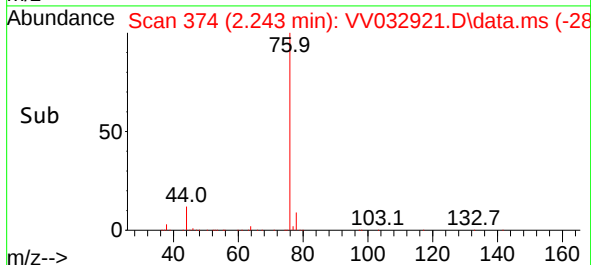
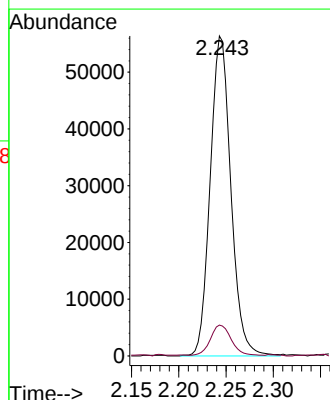
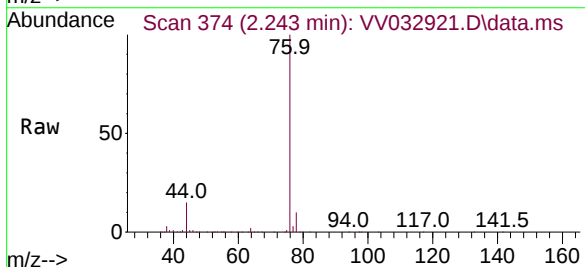
Acq: 13 Nov 2023 10:21

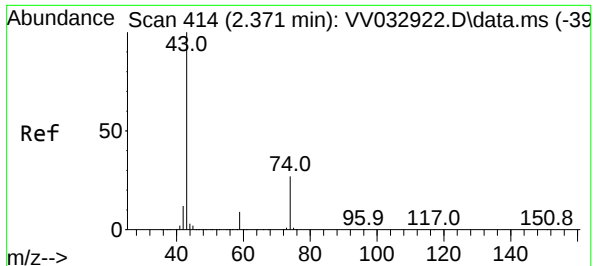
Tgt Ion: 76 Resp: 85803

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

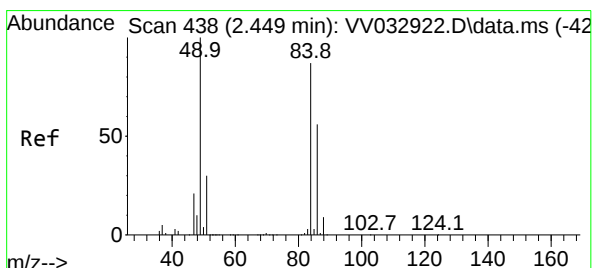
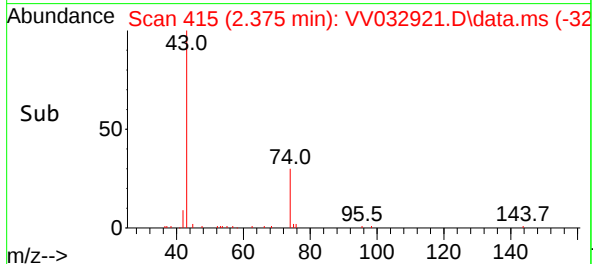
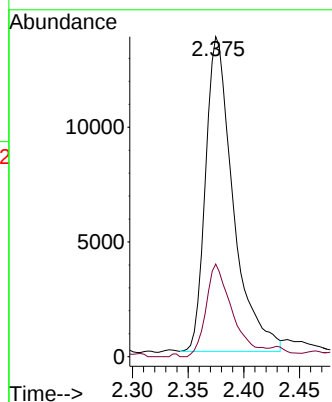
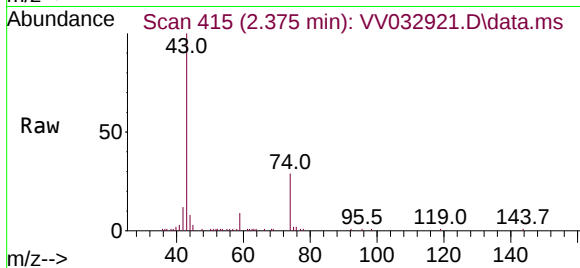




#15
Methyl Acetate
Concen: 10.153 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

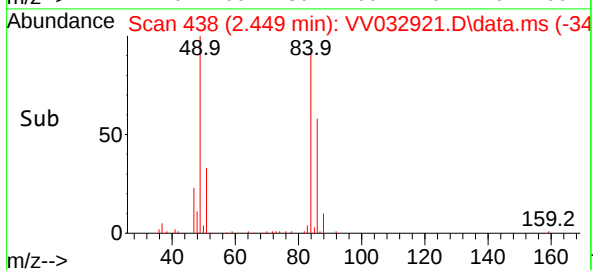
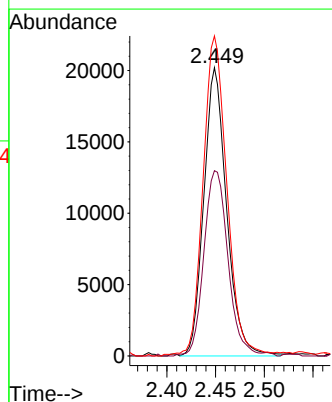
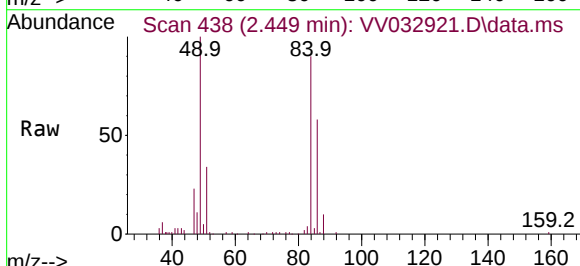
Instrument :
MSVOA_V
ClientSampleId :

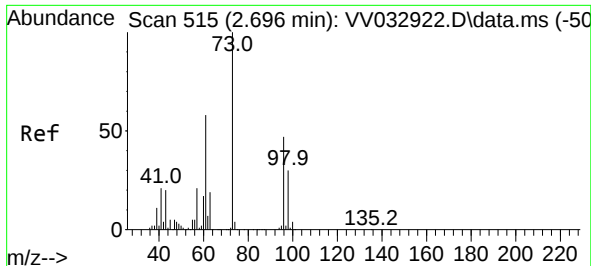
Tgt Ion: 43 Resp: 23689
Ion Ratio Lower Upper
43 100
74 27.5 20.8 31.2



#16
Methylene chloride
Concen: 10.661 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 84 Resp: 32985
Ion Ratio Lower Upper
84 100
86 64.3 45.3 84.1
49 111.0 80.6 149.6

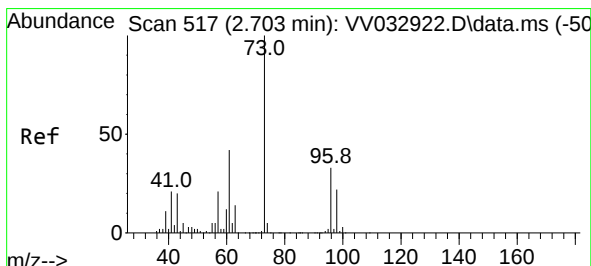
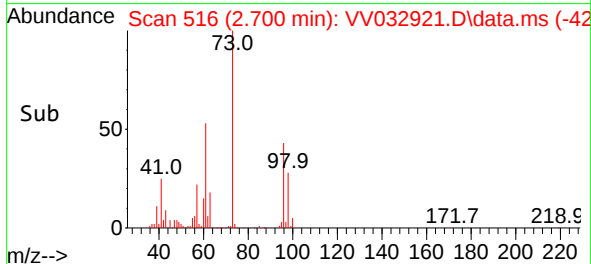
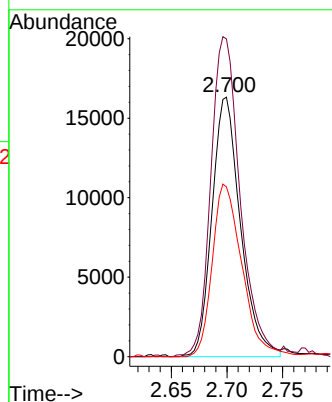
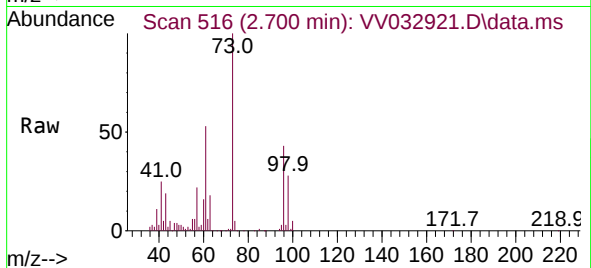




#17
trans-1,2-Dichloroethene
Concen: 10.131 ug/L
RT: 2.700 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

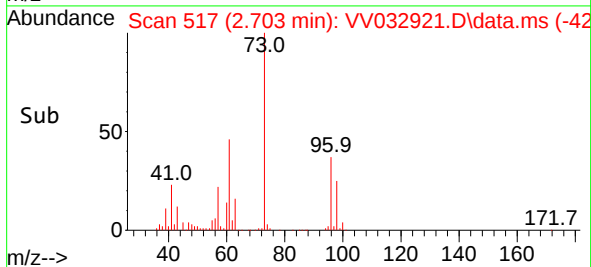
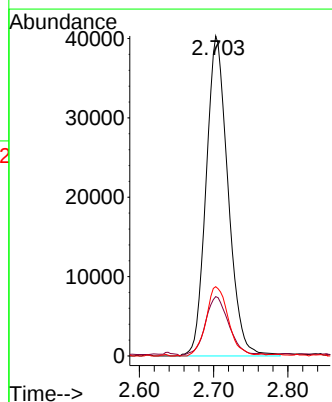
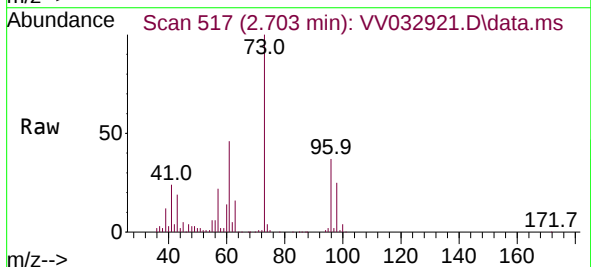
Instrument :
MSVOA_V
ClientSampleId :

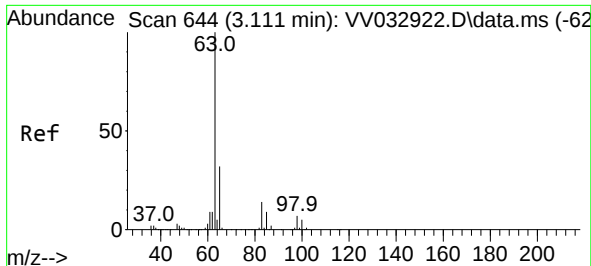
Tgt Ion: 96 Resp: 29087
Ion Ratio Lower Upper
96 100
61 122.5 86.9 161.5
98 65.4 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 9.799 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 73 Resp: 82566
Ion Ratio Lower Upper
73 100
43 20.5 15.7 23.5
57 22.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 10.548 ug/L

RT: 3.114 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV032921.D

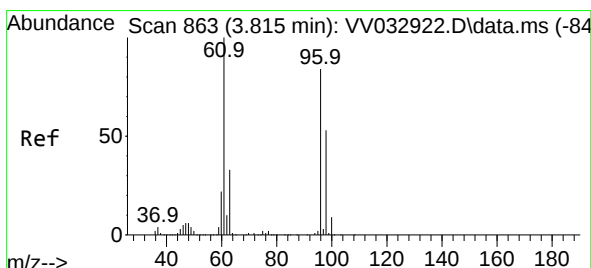
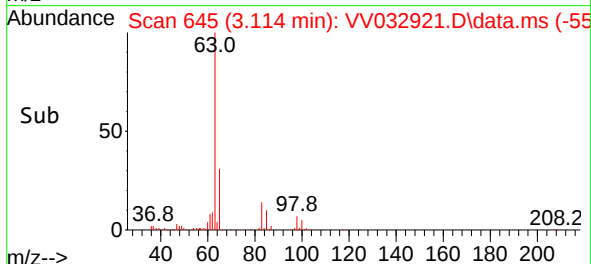
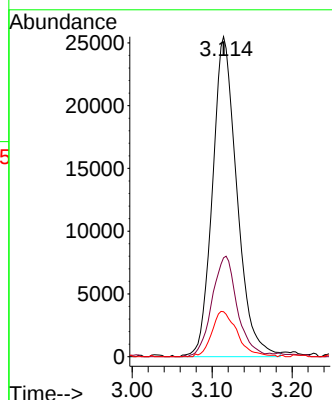
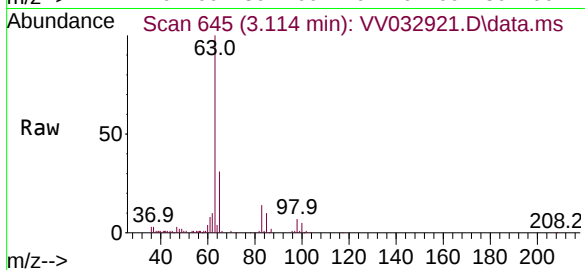
Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 54104
Ion Ratio	Lower Upper
63 100	
65 30.9	22.0 41.0
83 14.1	9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 9.950 ug/L

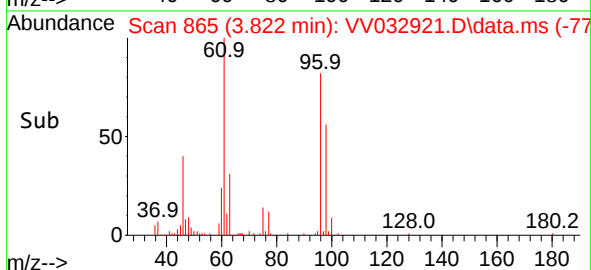
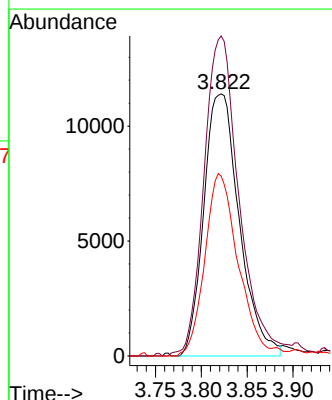
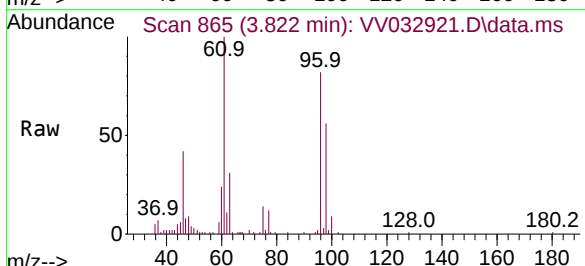
RT: 3.822 min Scan# 865

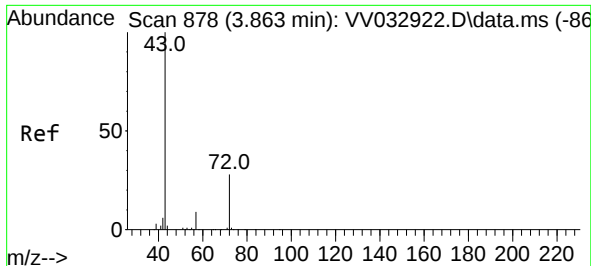
Delta R.T. 0.007 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Tgt Ion: 96	Resp: 30765
Ion Ratio	Lower Upper
96 100	
61 122.1	83.5 155.1
98 68.6	44.0 81.8

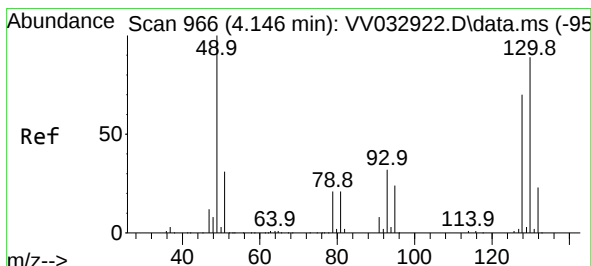
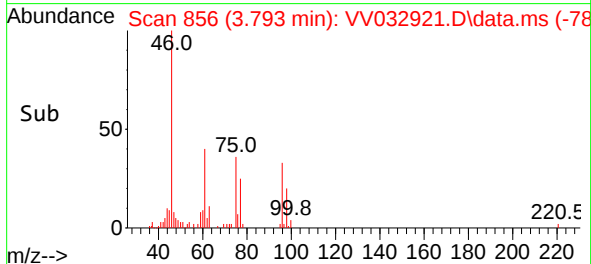
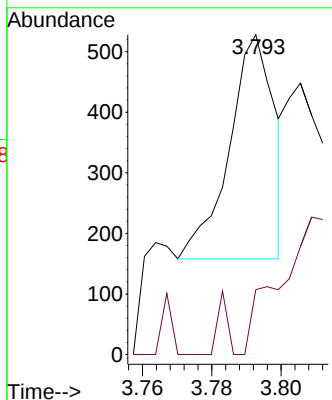
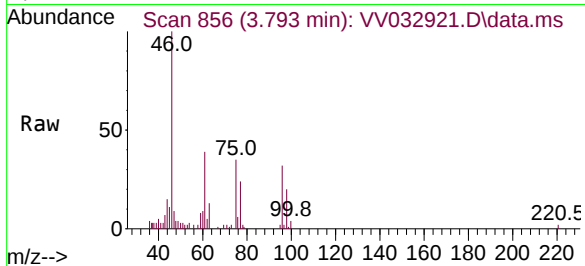




#22
2-Butanone
Concen: 0.189 ug/L
RT: 3.793 min Scan# 81
Delta R.T. -0.071 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

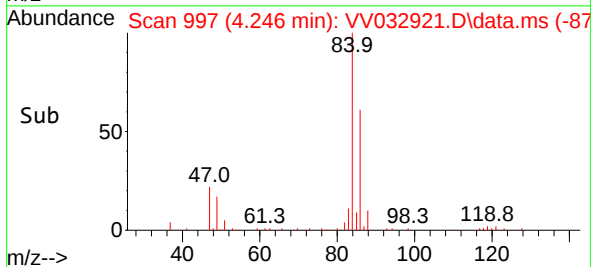
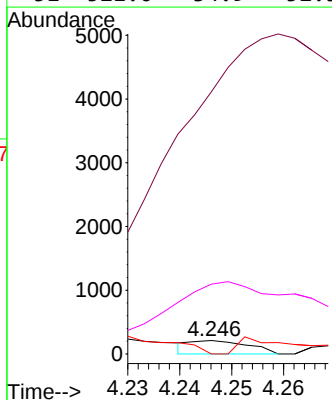
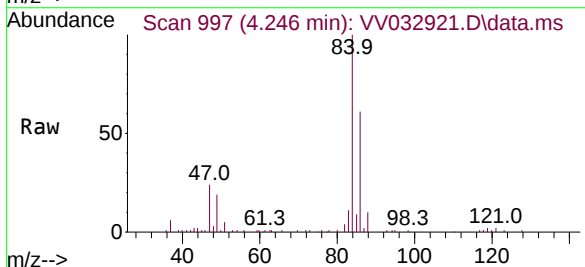
Instrument :
MSVOA_V
ClientSampleId :

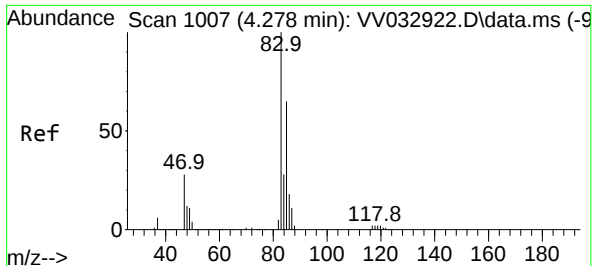
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
72 18.9 14.0 41.9



#23
Bromochloromethane
Concen: 0.094 ug/L
RT: 4.246 min Scan# 997
Delta R.T. 0.100 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion:128 Resp: 162
Ion Ratio Lower Upper
128 100
49 1957.6 99.7 185.1#
130 0.0 88.7 164.7#
51 521.0 34.9 52.3#

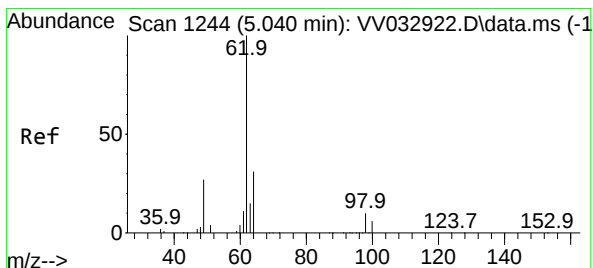
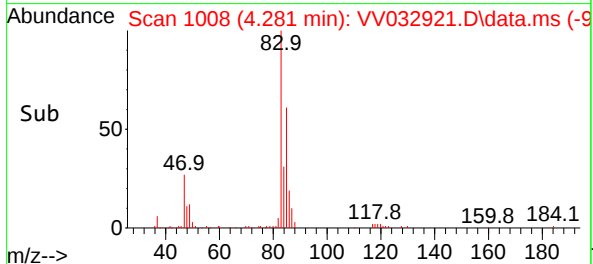
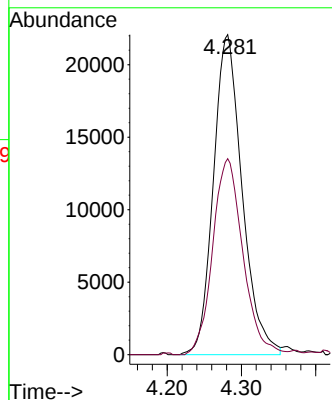
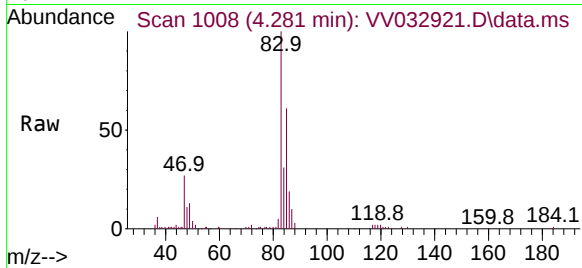




#25
Chloroform
Concen: 10.496 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

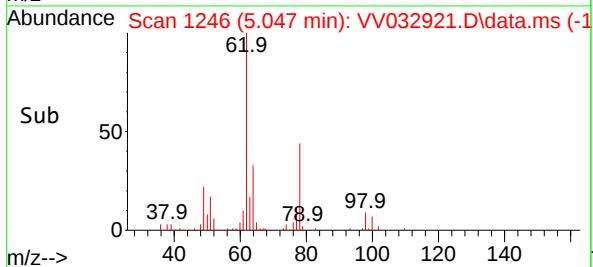
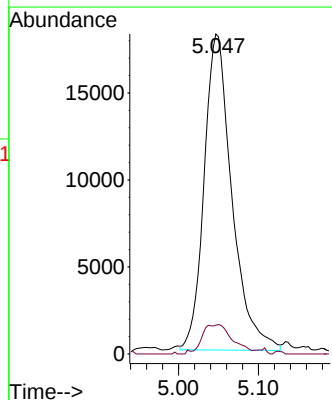
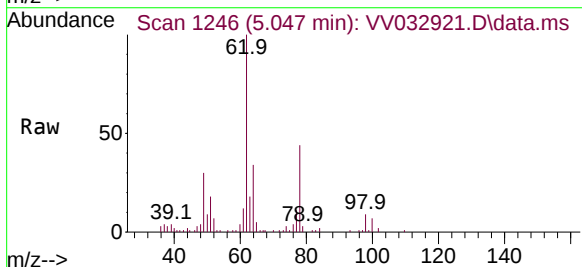
Instrument :
MSVOA_V
ClientSampleId :

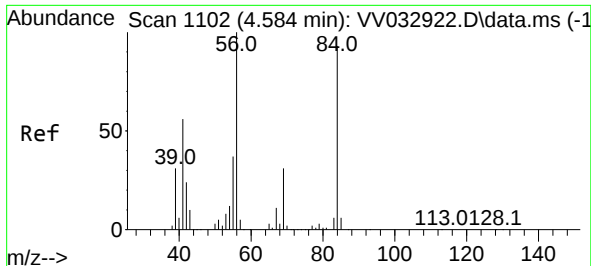
Tgt Ion: 83 Resp: 59404
Ion Ratio Lower Upper
83 100
85 61.3 45.5 84.5



#27
1,2-Dichloroethane
Concen: 10.280 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.007 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 62 Resp: 43890
Ion Ratio Lower Upper
62 100
98 9.0 8.0 12.0

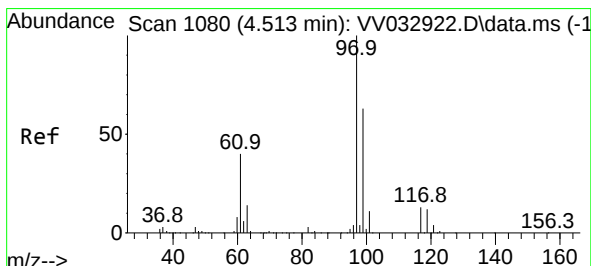
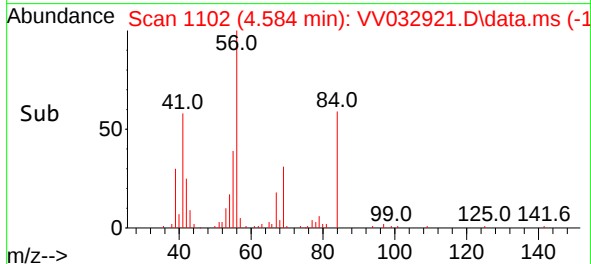
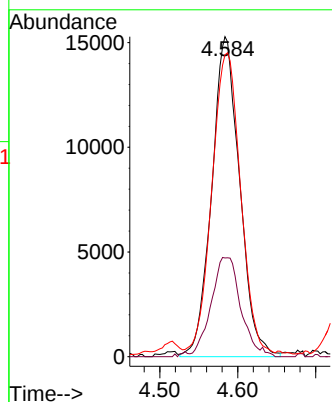
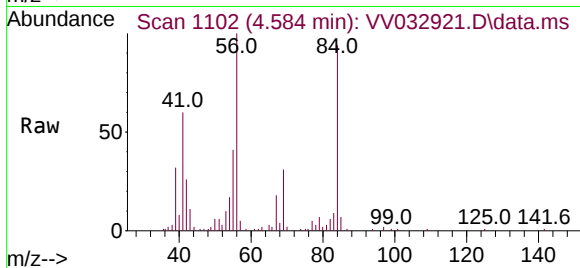




#29
Cyclohexane
Concen: 9.571 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

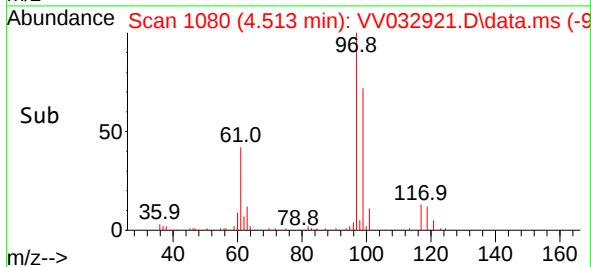
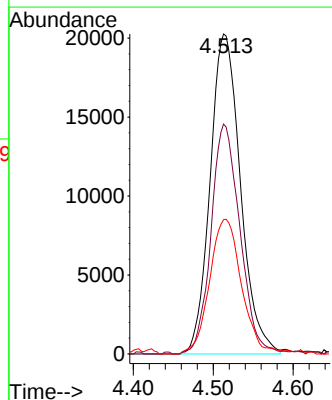
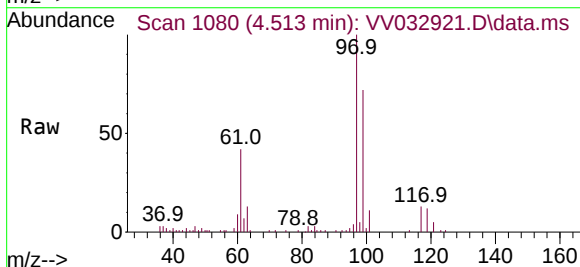
Instrument :
MSVOA_V
ClientSampleId :

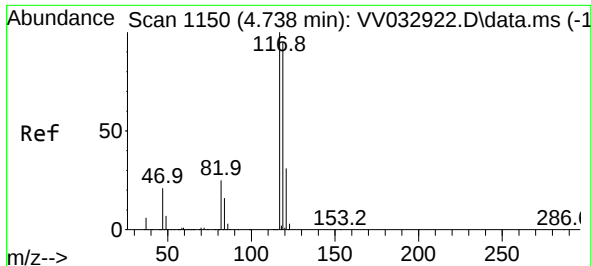
Tgt Ion: 56 Resp: 38055
Ion Ratio Lower Upper
56 100
69 15.5 24.7 37.1#
84 95.5 76.6 115.0



#30
1,1,1-Trichloroethane
Concen: 10.536 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

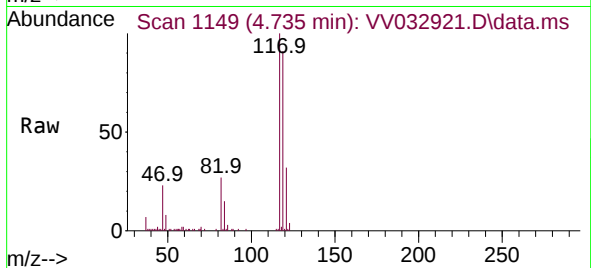
Tgt Ion: 97 Resp: 53422
Ion Ratio Lower Upper
97 100
99 68.2 51.6 77.4
61 44.1 33.3 49.9



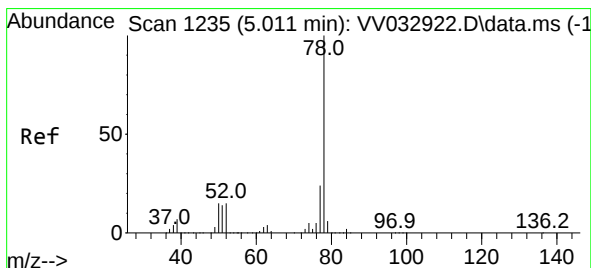
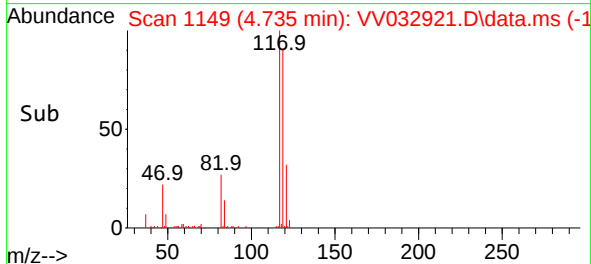
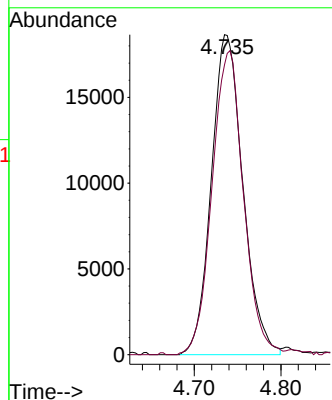


#31
Carbon tetrachloride
Concen: 10.412 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

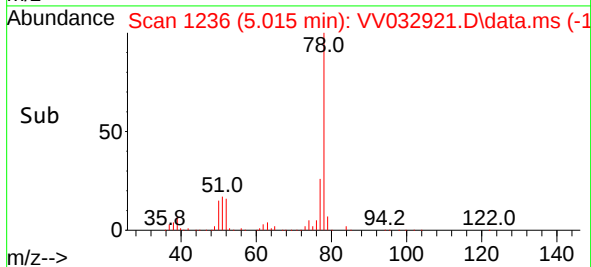
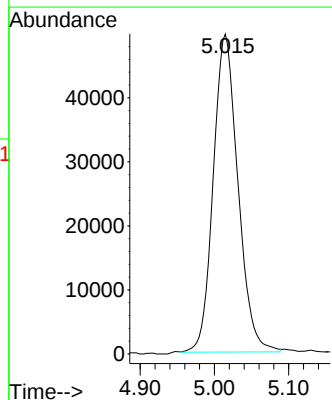
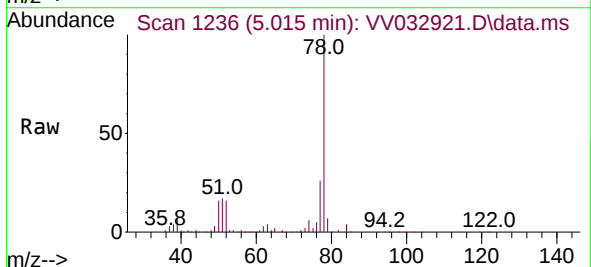


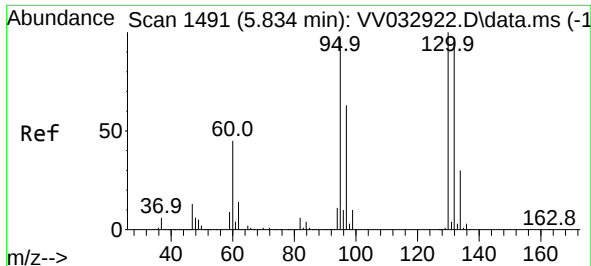
Tgt Ion:117 Resp: 47210
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.4



#33
Benzene
Concen: 10.216 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 78 Resp: 114802



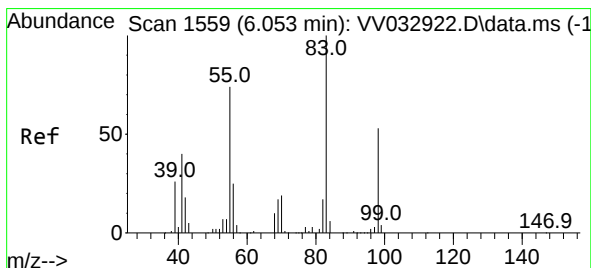
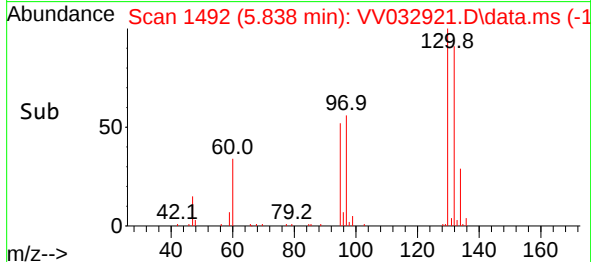
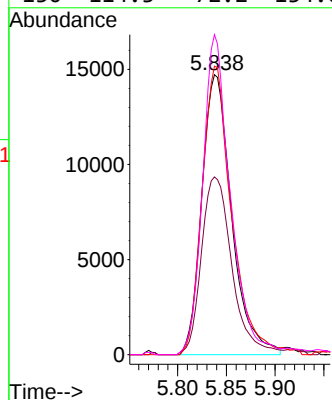
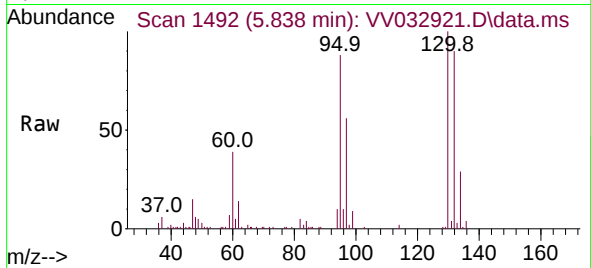


#34
Trichloroethene
Concen: 10.265 ug/L
RT: 5.838 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 31350

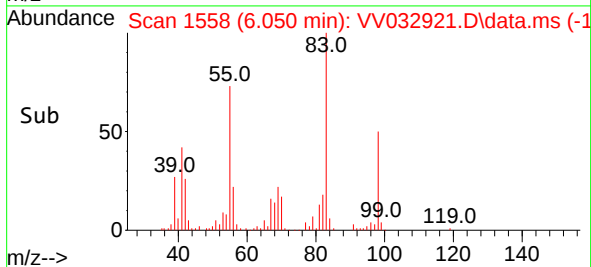
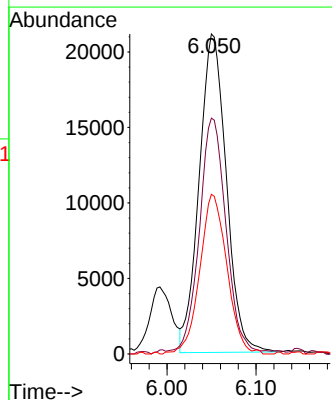
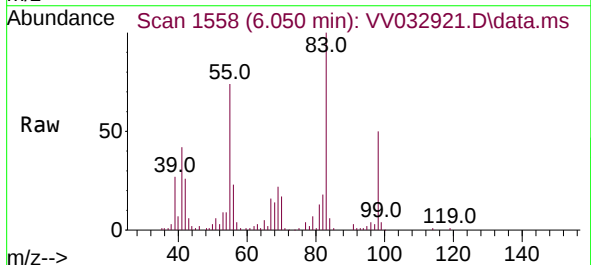
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.7	84.9
132	103.0	70.0	130.0
130	114.3	72.2	134.0

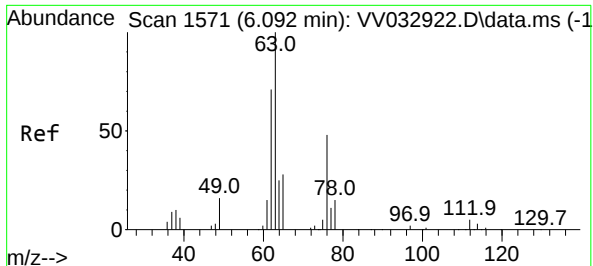


#35
Methylcyclohexane
Concen: 9.695 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 83 Resp: 44623

Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.5	86.3
98	49.7	41.0	61.4





#37

1,2-Dichloropropane

Concen: 10.545 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

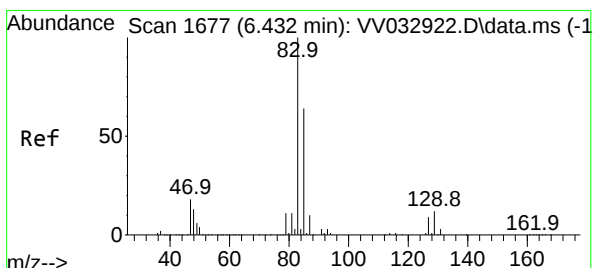
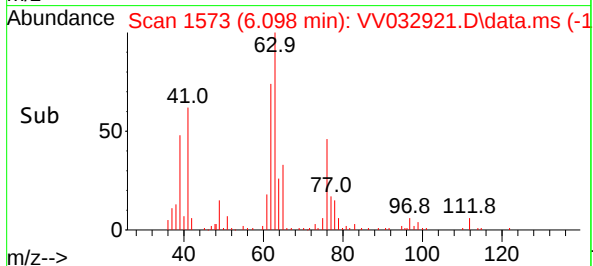
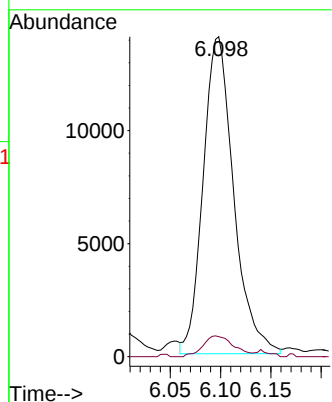
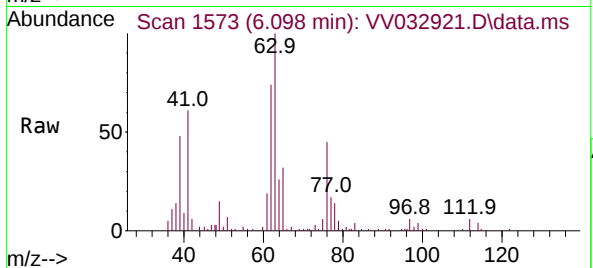
ClientSampleId :

Tgt Ion: 63 Resp: 29593

Ion Ratio Lower Upper

63 100

112 6.6 4.2 6.4#



#38

Bromodichloromethane

Concen: 10.183 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

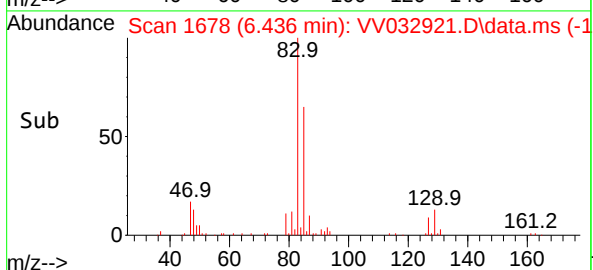
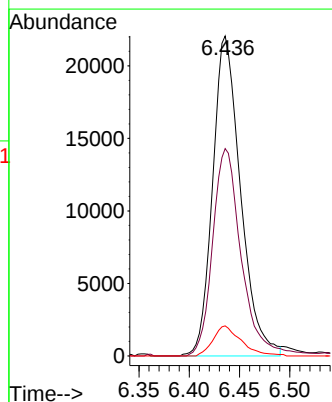
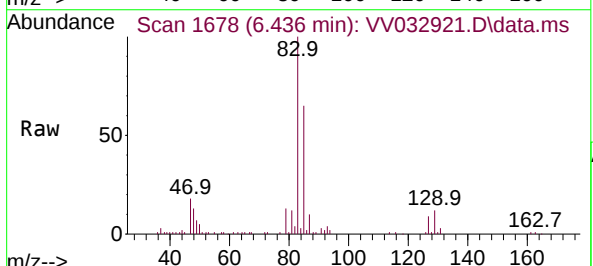
Tgt Ion: 83 Resp: 42630

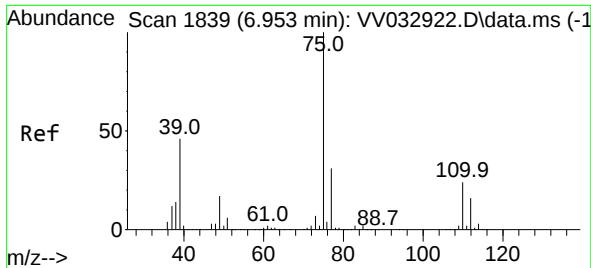
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 9.338 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

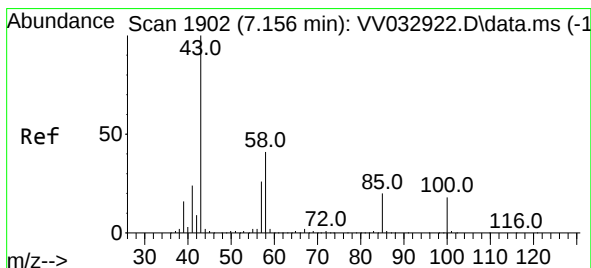
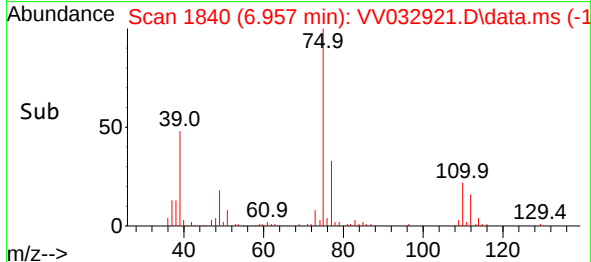
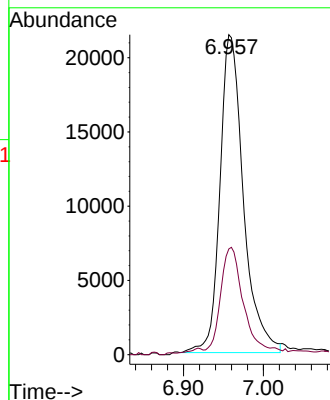
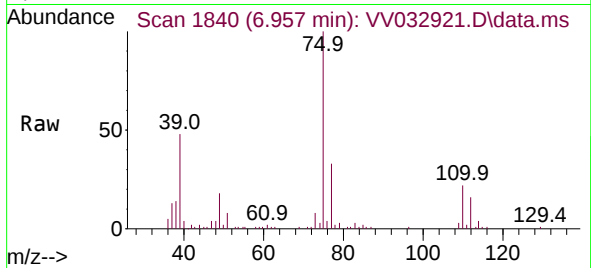
ClientSampleId :

Tgt Ion: 75 Resp: 43581

Ion Ratio Lower Upper

75 100

77 33.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 18.103 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.007 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

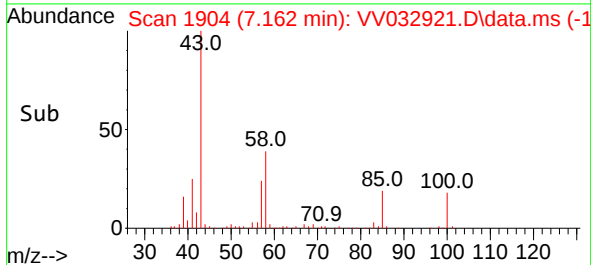
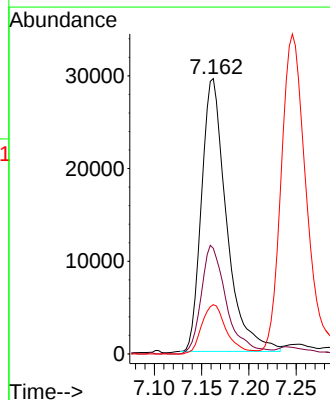
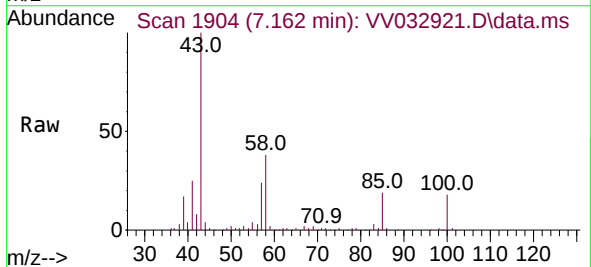
Tgt Ion: 43 Resp: 54175

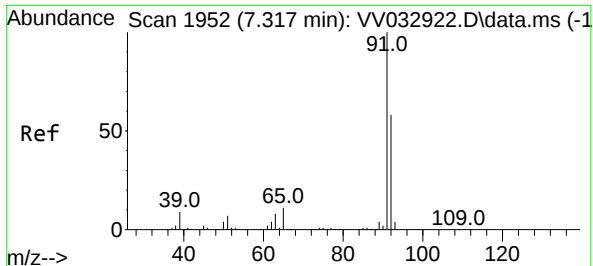
Ion Ratio Lower Upper

43 100

58 40.3 32.6 49.0

100 17.9 14.2 21.4





#42

Toluene

Concen: 10.027 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

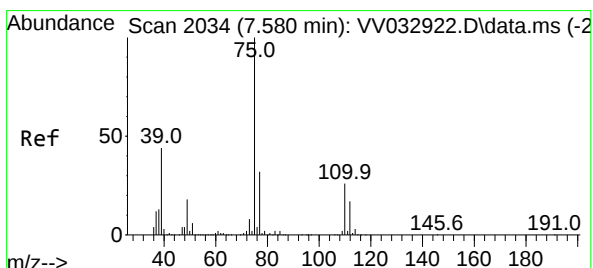
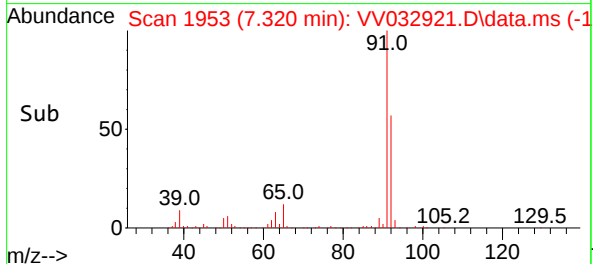
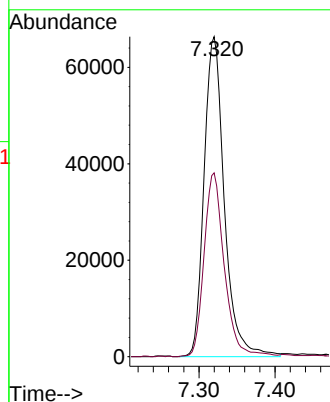
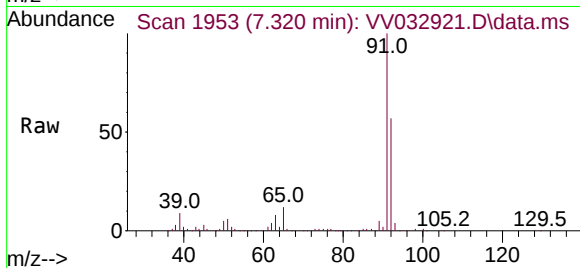
ClientSampleId :

Tgt Ion: 91 Resp: 122952

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 9.394 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.007 min

Lab File: VV032921.D

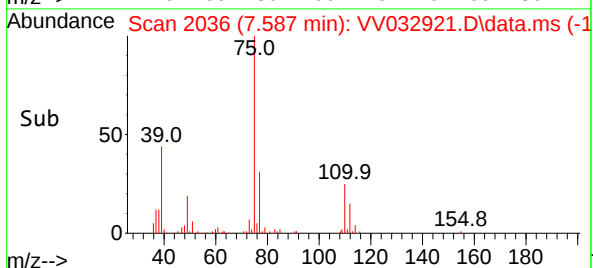
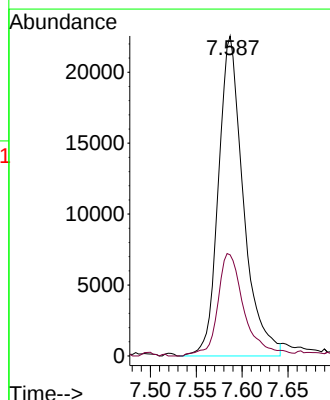
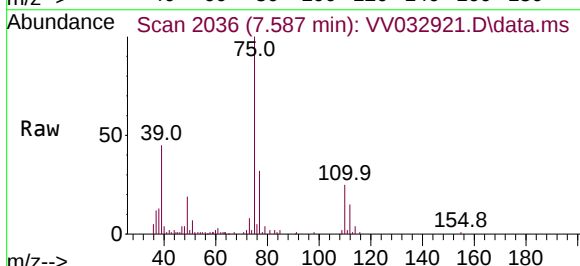
Acq: 13 Nov 2023 10:21

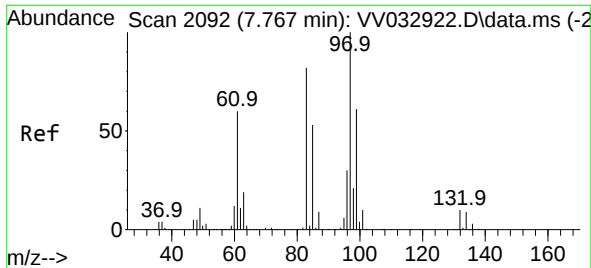
Tgt Ion: 75 Resp: 42586

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 10.083 ug/L

RT: 7.770 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 31399

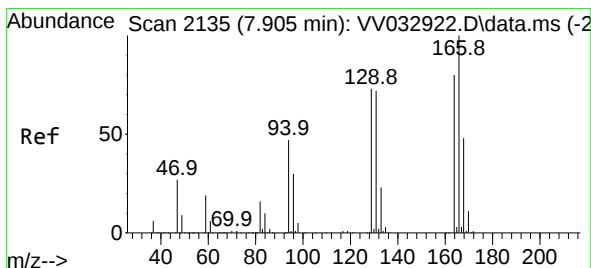
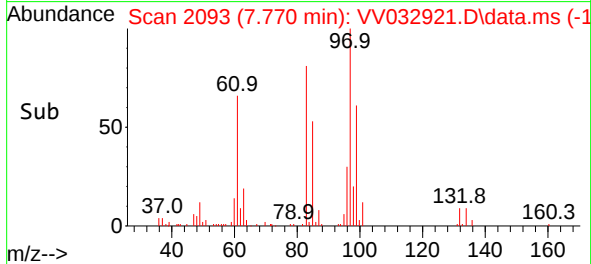
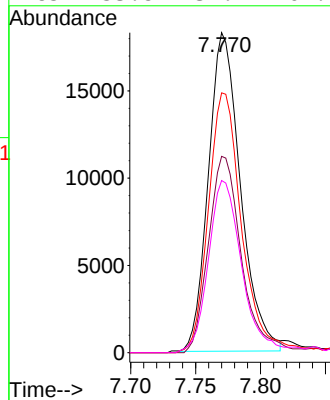
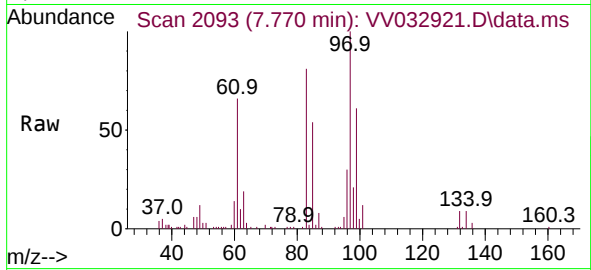
Ion Ratio Lower Upper

97 100

99 61.3 42.8 79.4

83 81.2 57.4 106.6

85 53.8 37.4 69.4



#46

Tetrachloroethene

Concen: 10.489 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Tgt Ion:164 Resp: 27555

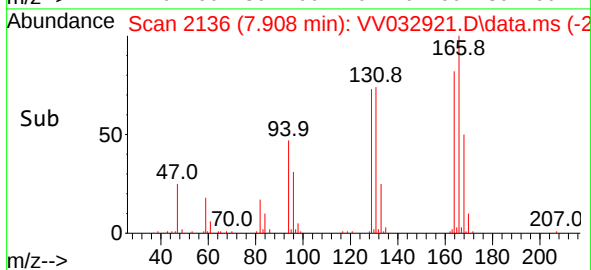
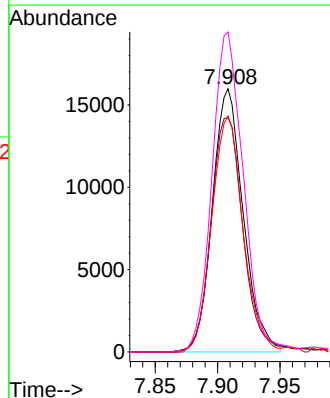
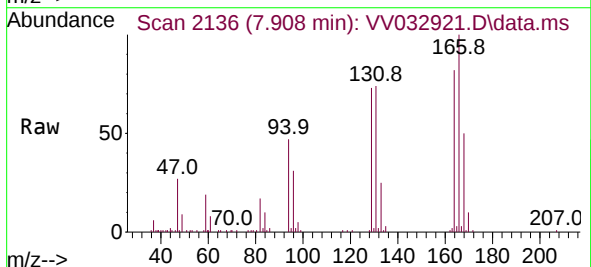
Ion Ratio Lower Upper

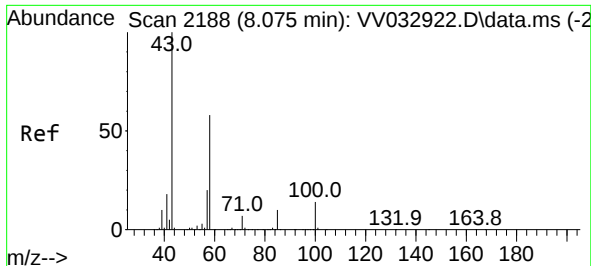
164 100

129 89.0 64.2 119.2

131 89.6 63.5 117.9

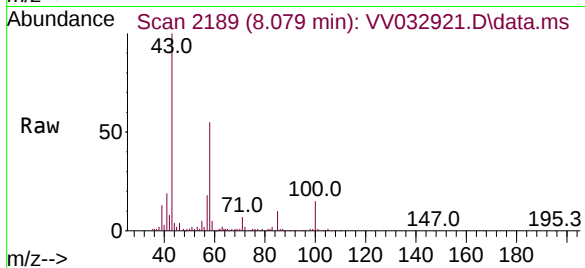
166 121.5 87.7 162.9





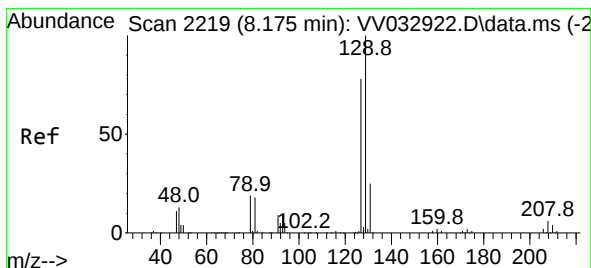
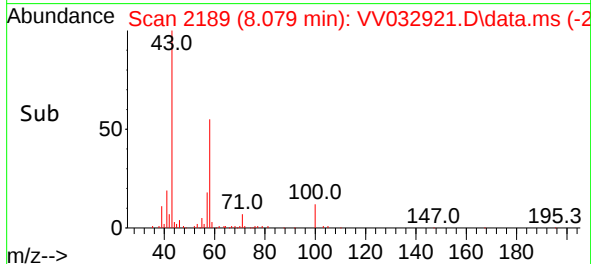
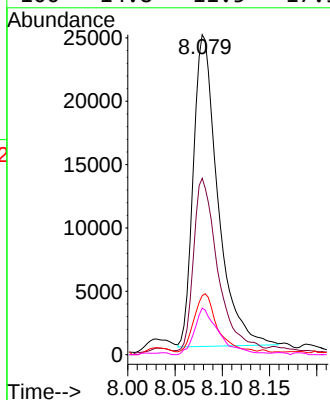
#48
2-Hexanone
Concen: 17.941 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 44392

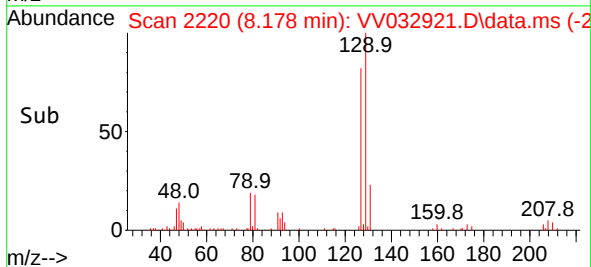
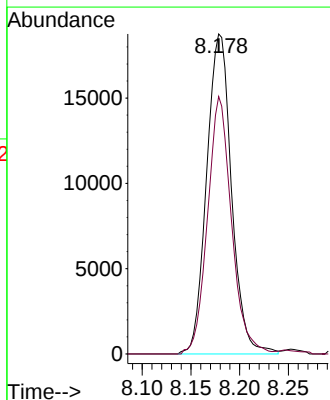
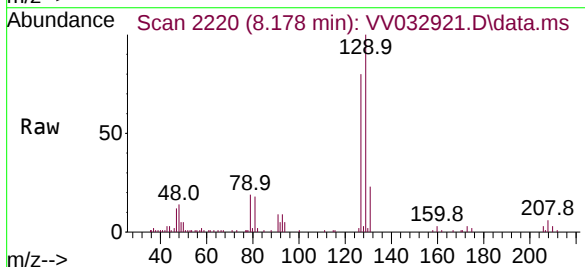
Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.8	67.2
57	18.3	15.2	22.8
100	14.8	11.5	17.3

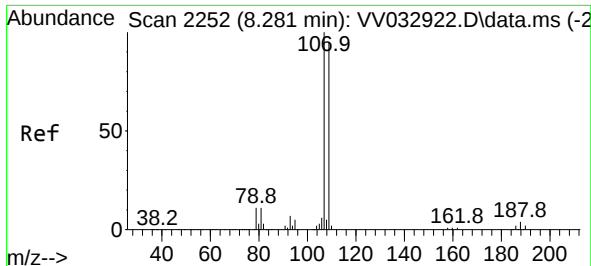


#49
Dibromochloromethane
Concen: 9.935 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 129 Resp: 33331

Ion	Ratio	Lower	Upper
129	100		
127	80.5	55.1	102.3





#50

1,2-Dibromoethane

Concen: 10.273 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032921.D

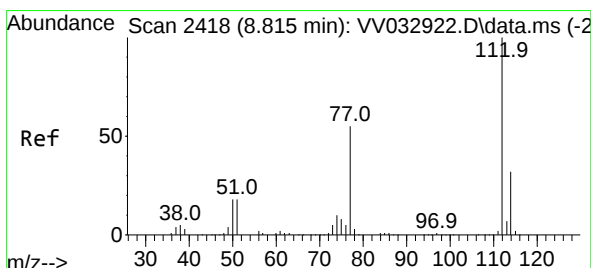
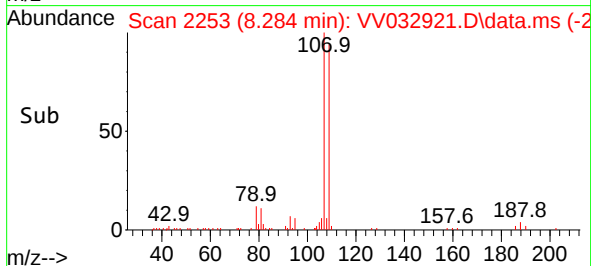
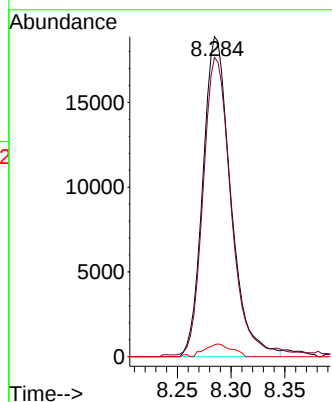
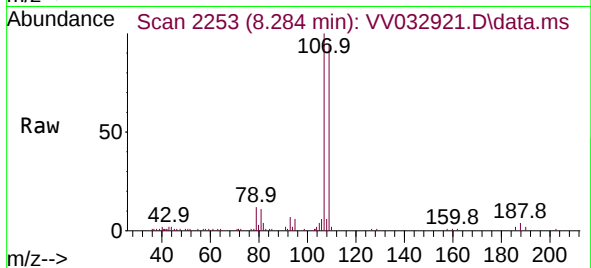
Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	34053
Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.3	123.1
188	3.7	3.1	4.7



#51

Chlorobenzene

Concen: 10.295 ug/L

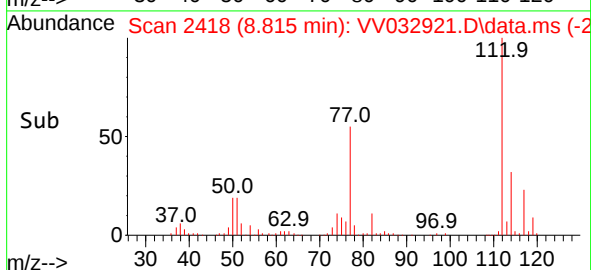
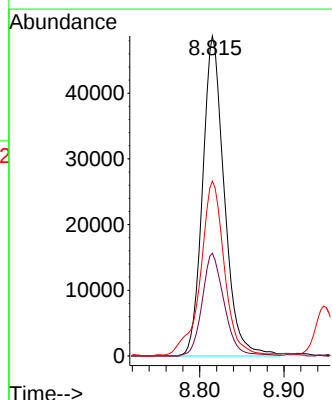
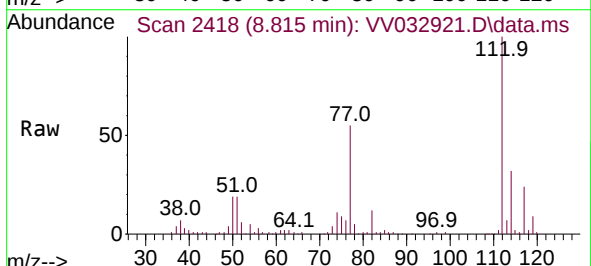
RT: 8.815 min Scan# 2418

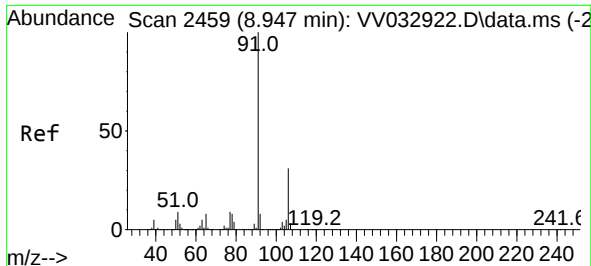
Delta R.T. 0.000 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Tgt Ion:	112	Resp:	87450
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.1	41.1
77	54.6	44.2	66.2





#52

Ethylbenzene

Concen: 9.705 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

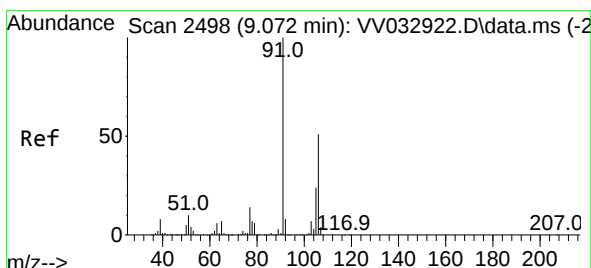
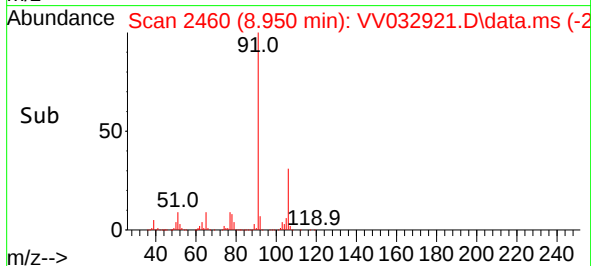
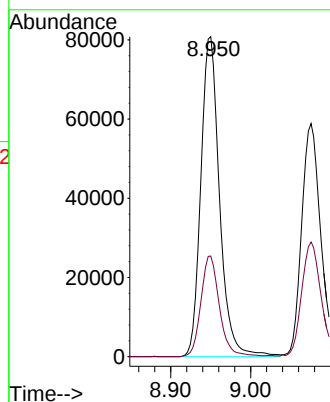
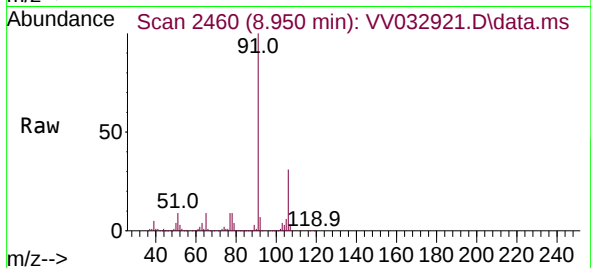
ClientSampleId :

Tgt Ion: 91 Resp: 131786

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.0



#53

m,p-Xylene

Concen: 9.480 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.003 min

Lab File: VV032921.D

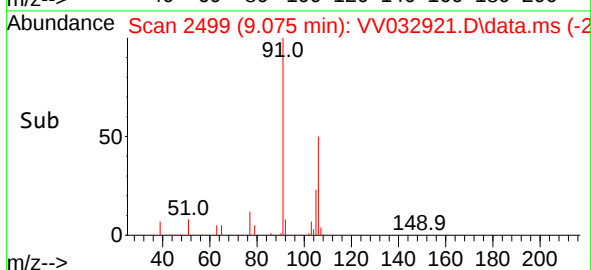
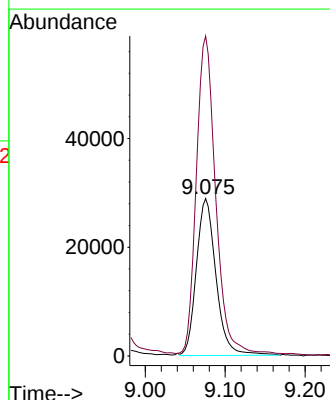
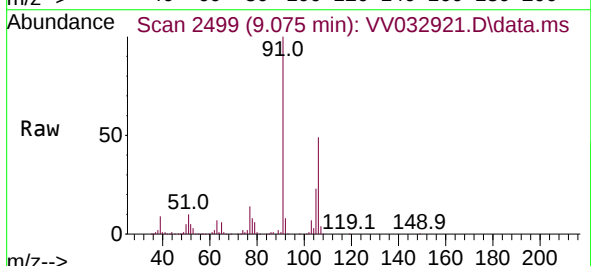
Acq: 13 Nov 2023 10:21

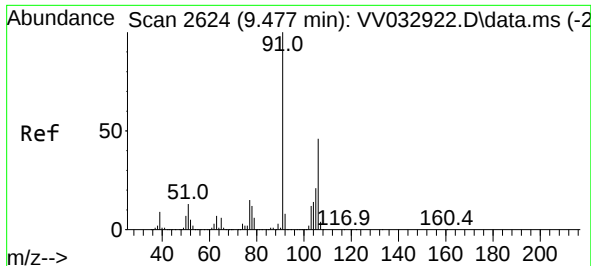
Tgt Ion:106 Resp: 49498

Ion Ratio Lower Upper

106 100

91 203.2 137.5 255.4

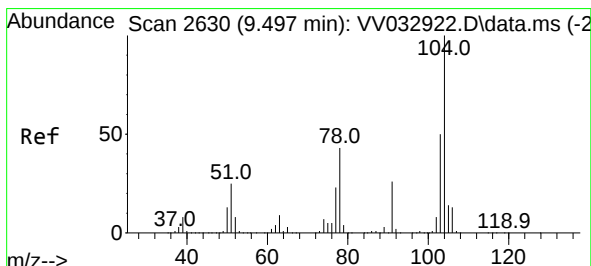
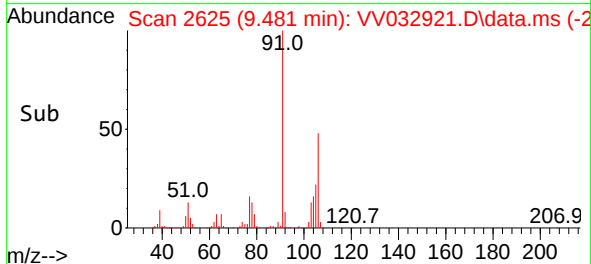
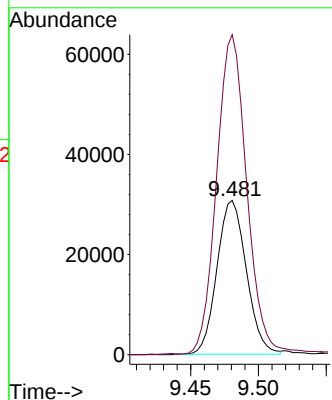
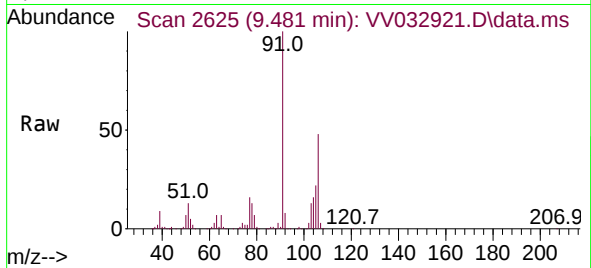




#54
o-Xylene
Concen: 9.190 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

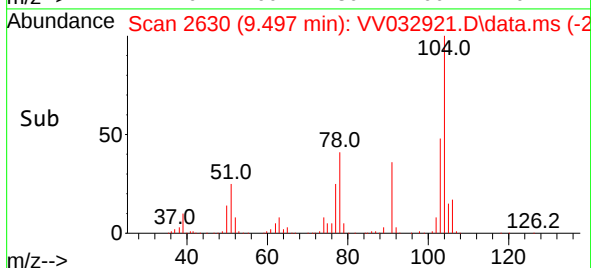
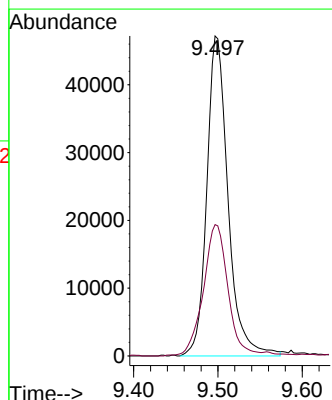
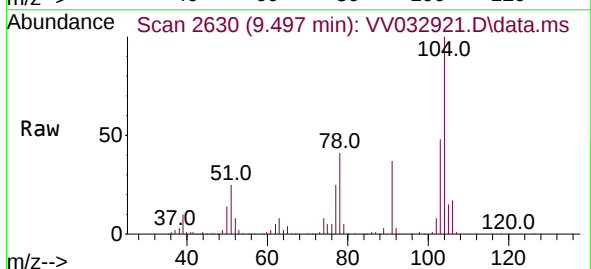
Instrument :
MSVOA_V
ClientSampleId :

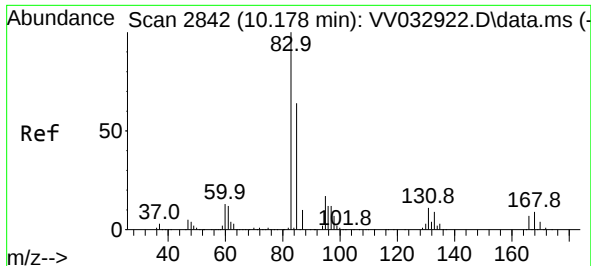
Tgt Ion:106 Resp: 46269
Ion Ratio Lower Upper
106 100
91 207.5 151.6 281.6



#55
Styrene
Concen: 9.319 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion:104 Resp: 82760
Ion Ratio Lower Upper
104 100
78 41.0 29.8 55.4





#57

1,1,2,2-Tetrachloroethane

Concen: 10.178 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV032921.D

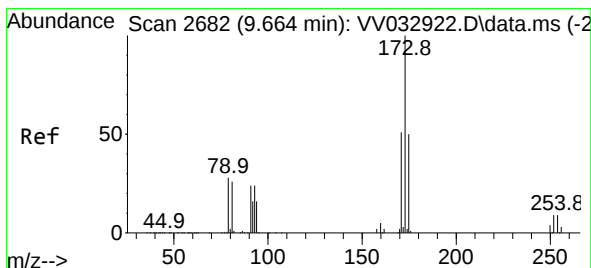
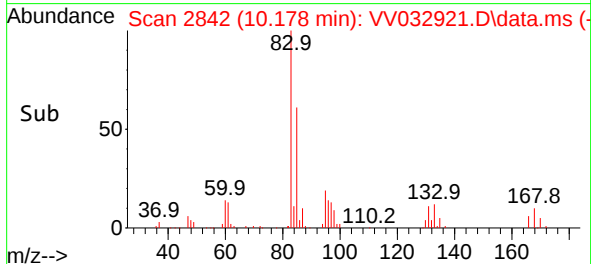
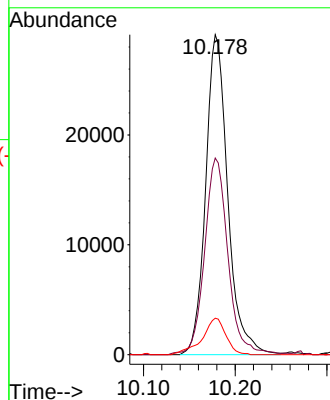
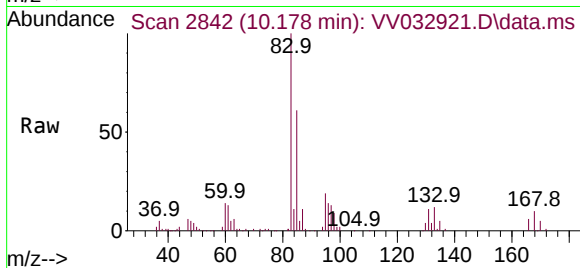
Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	48763
Ion	Ratio	Lower	Upper
83	100		
85	61.5	44.7	83.1
131	11.4	8.7	13.1



#59

Bromoform

Concen: 9.824 ug/L

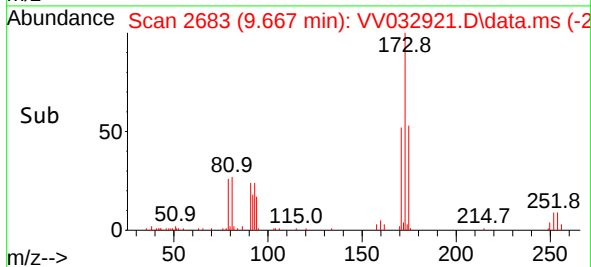
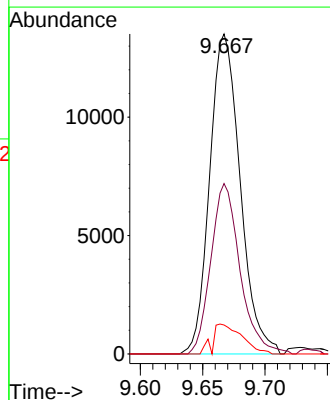
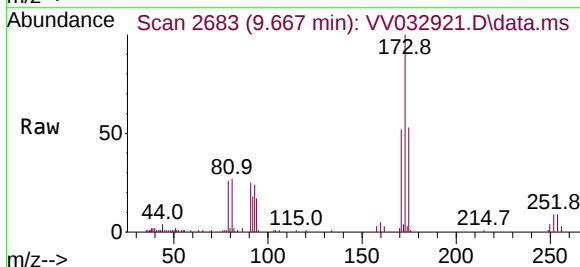
RT: 9.667 min Scan# 2683

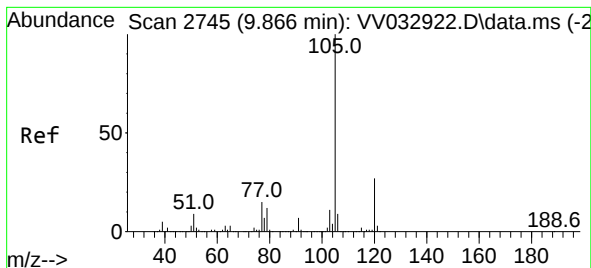
Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Tgt Ion:	173	Resp:	23033
Ion	Ratio	Lower	Upper
173	100		
175	50.9	39.0	58.4
254	8.2	7.0	10.6





#60

Isopropylbenzene

Concen: 9.725 ug/L

RT: 9.870 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :

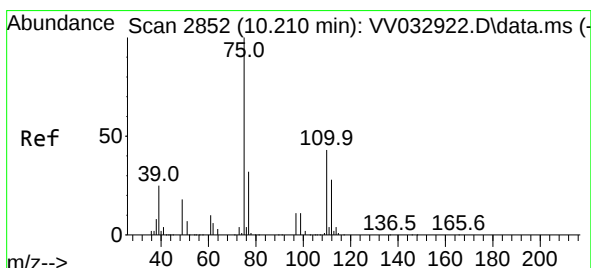
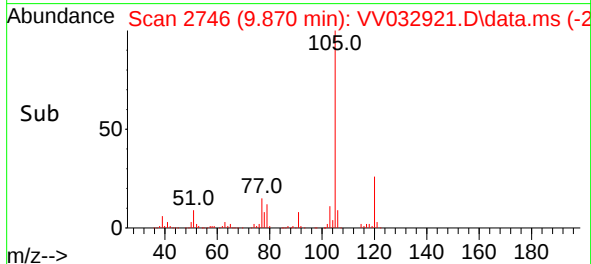
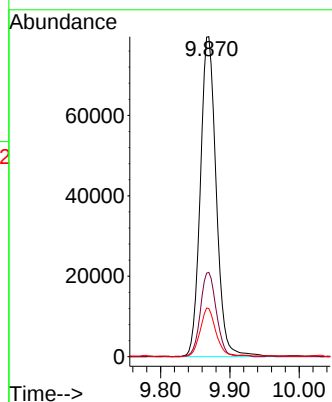
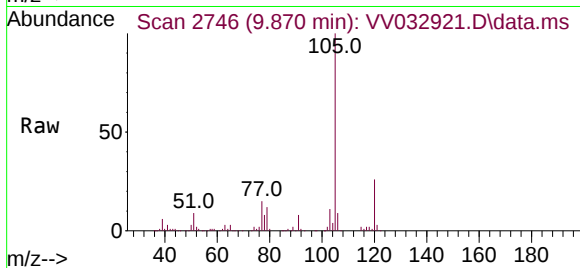
Tgt Ion:105 Resp: 126879

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 15.0 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 10.568 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

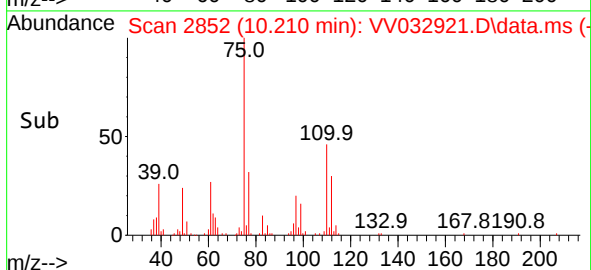
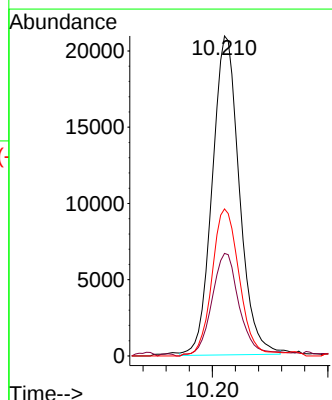
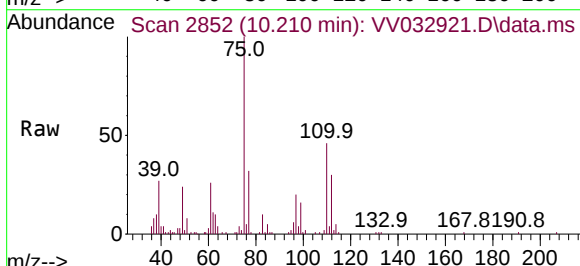
Tgt Ion: 75 Resp: 34095

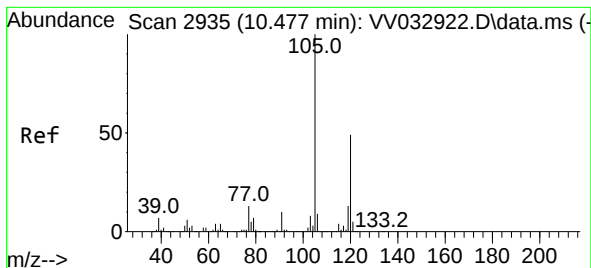
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

110 46.7 34.6 52.0

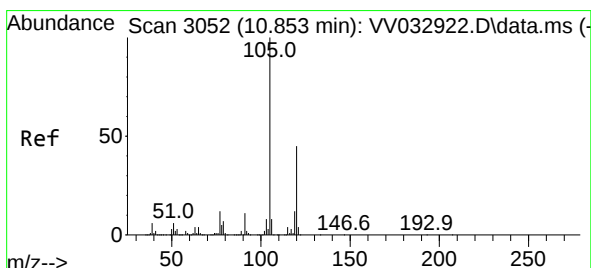
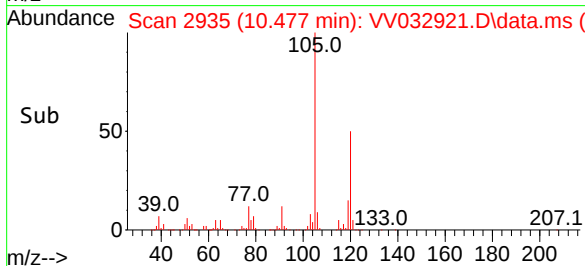
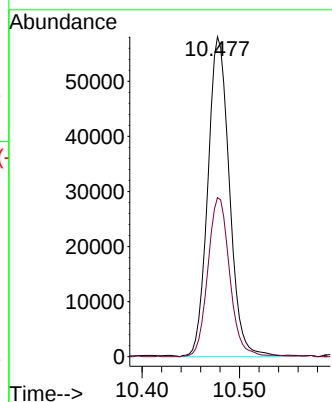
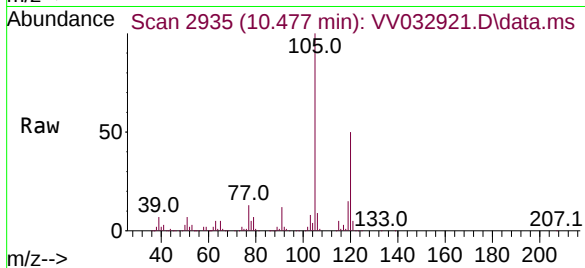




#62
 1,3,5-Trimethylbenzene
 Concen: 9.052 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV032921.D
 Acq: 13 Nov 2023 10:21

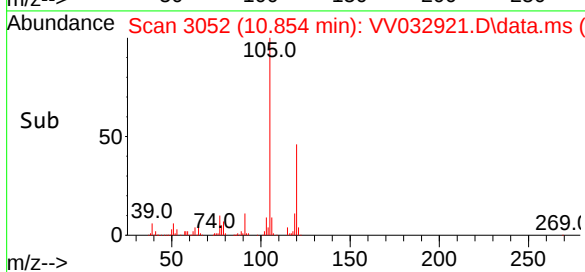
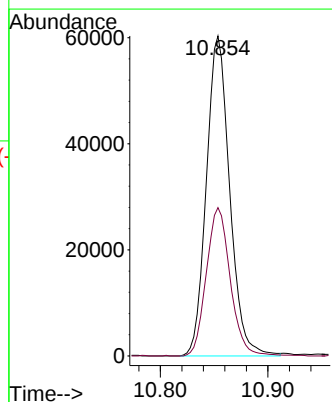
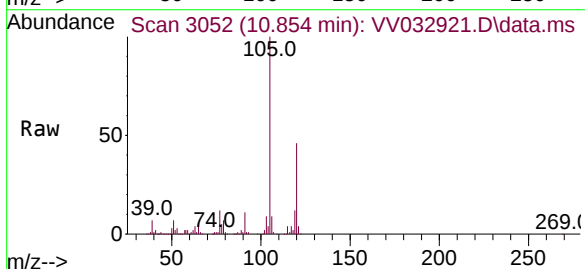
Instrument :
 MSVOA_V
 ClientSampleId :

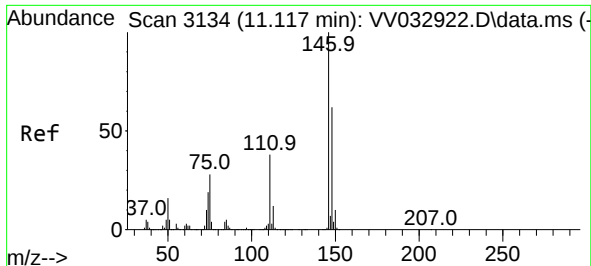
Tgt Ion:105 Resp: 89585
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 8.782 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032921.D
 Acq: 13 Nov 2023 10:21

Tgt Ion:105 Resp: 90879
 Ion Ratio Lower Upper
 105 100
 120 47.6 36.3 54.5

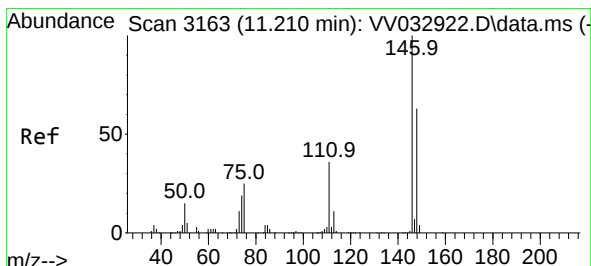
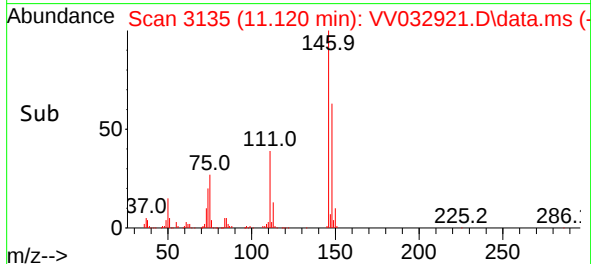
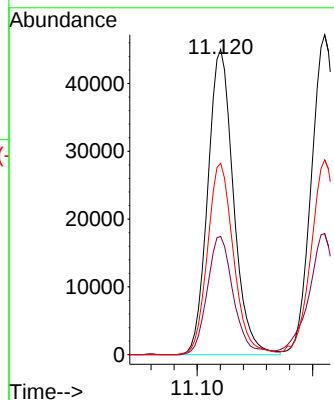
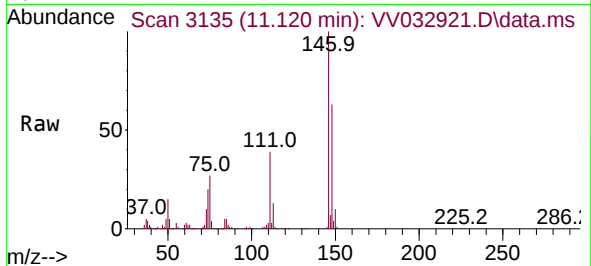




#64
1,3-Dichlorobenzene
Concen: 10.216 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

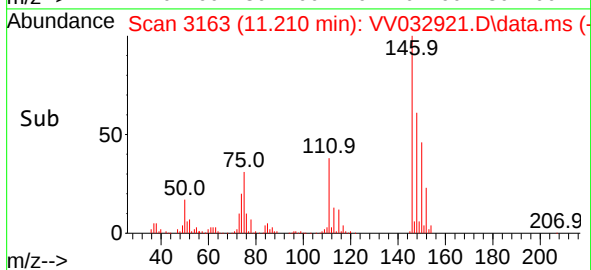
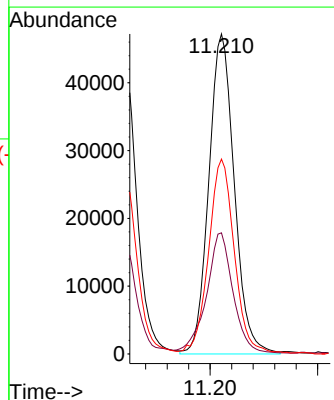
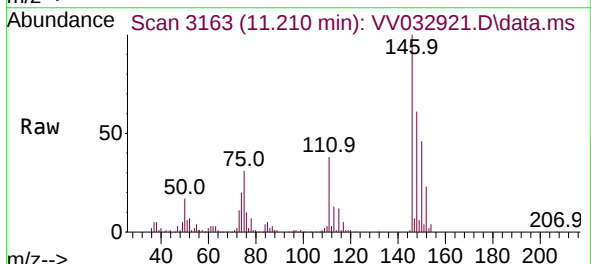
Instrument :
MSVOA_V
ClientSampleId :

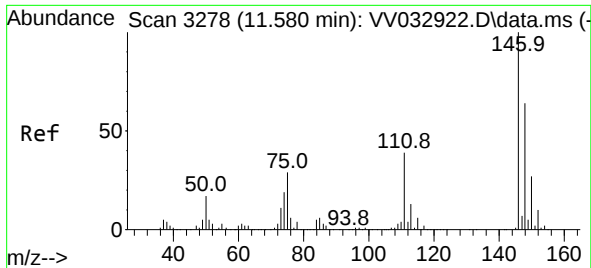
Tgt Ion:146 Resp: 69517
Ion Ratio Lower Upper
146 100
111 38.8 26.9 49.9
148 62.7 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 10.634 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion:146 Resp: 77606
Ion Ratio Lower Upper
146 100
111 37.8 25.5 47.3
148 60.9 44.4 82.5

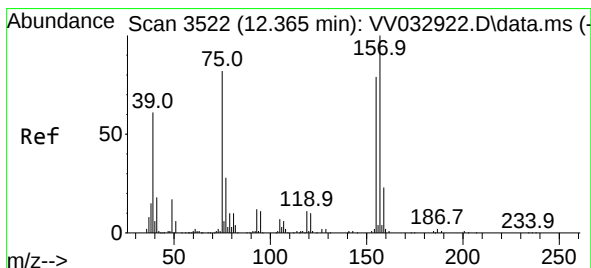
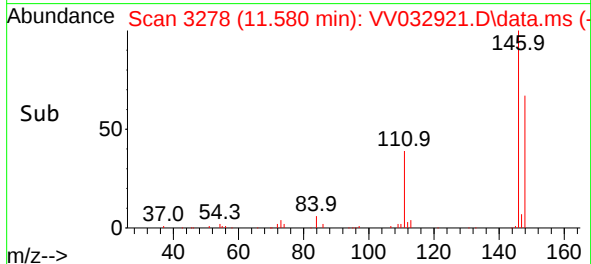
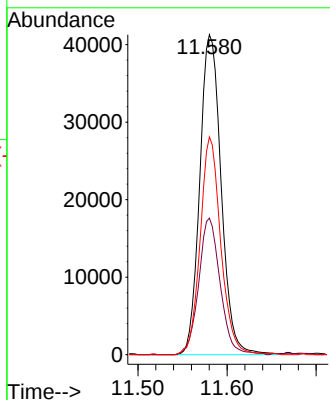
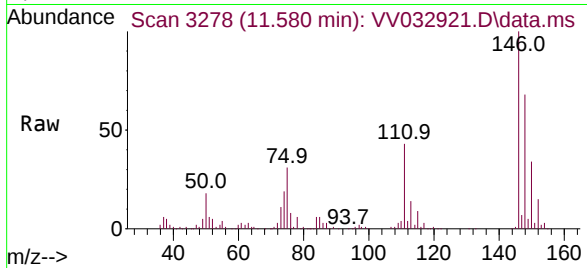




#67
1,2-Dichlorobenzene
Concen: 10.068 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

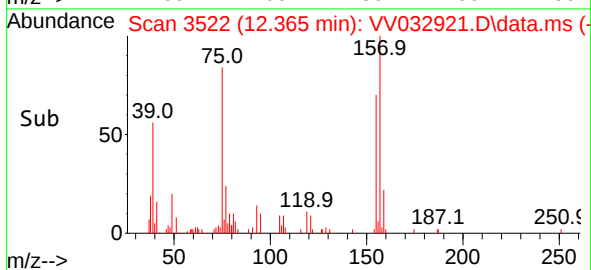
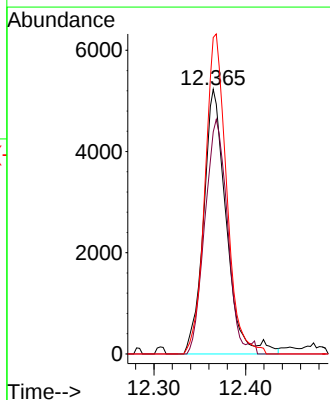
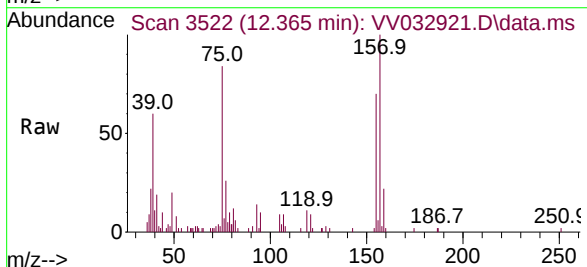
Instrument :
MSVOA_V
ClientSampleId :

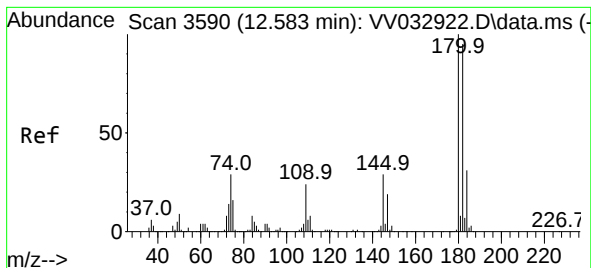
Tgt Ion:146 Resp: 68893
Ion Ratio Lower Upper
146 100
111 42.7 31.1 46.7
148 68.1 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 9.969 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion: 75 Resp: 8988
Ion Ratio Lower Upper
75 100
155 84.0 76.8 115.2
157 119.6 97.6 146.4





#69

1,3,5-Trichlorobenzene

Concen: 9.921 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

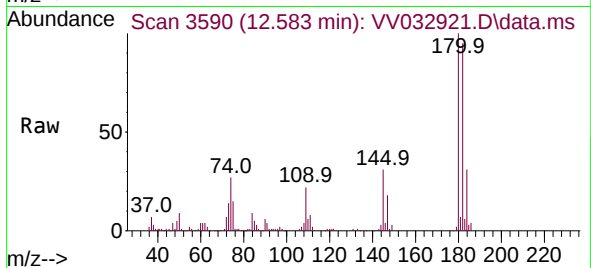
Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 50651

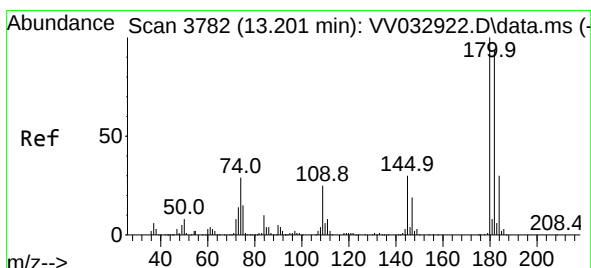
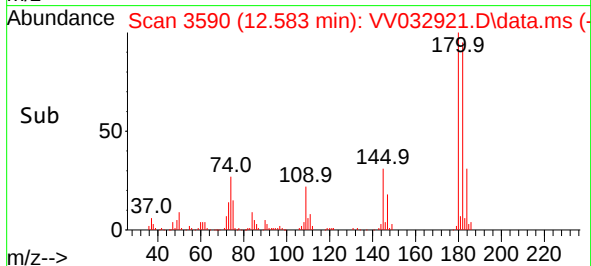
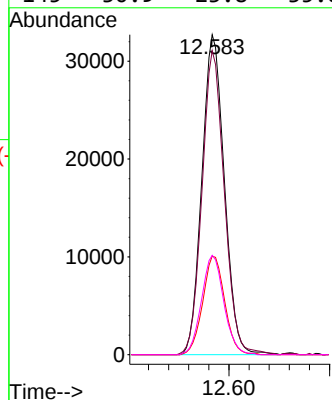
Ion Ratio Lower Upper

180 100

182 94.2 75.9 113.9

184 30.1 24.6 36.8

145 30.9 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 9.636 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032921.D

Acq: 13 Nov 2023 10:21

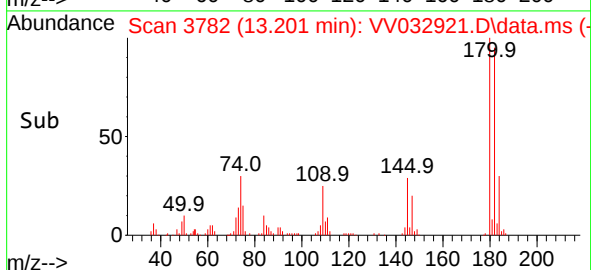
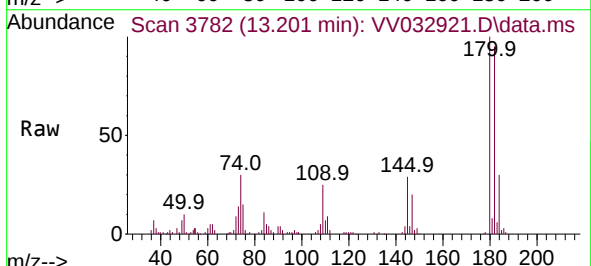
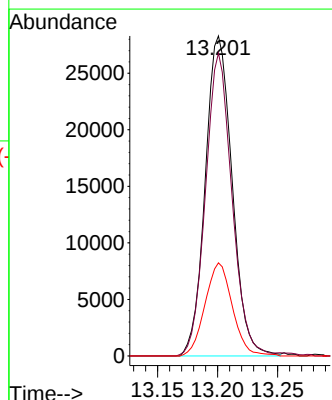
Tgt Ion:180 Resp: 44191

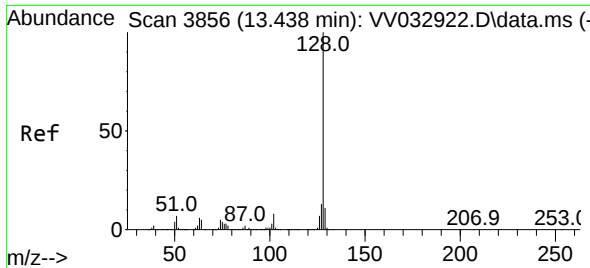
Ion Ratio Lower Upper

180 100

182 92.7 77.0 115.4

145 29.6 24.3 36.5

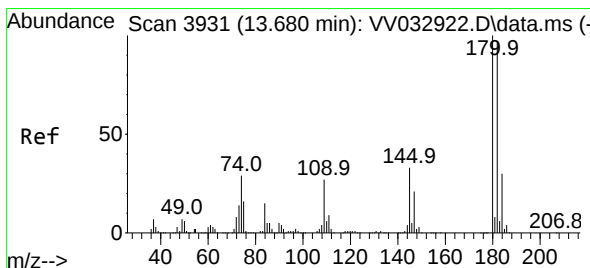
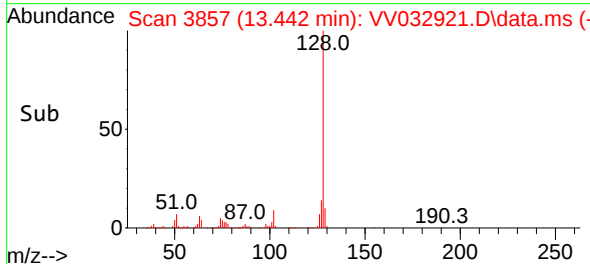
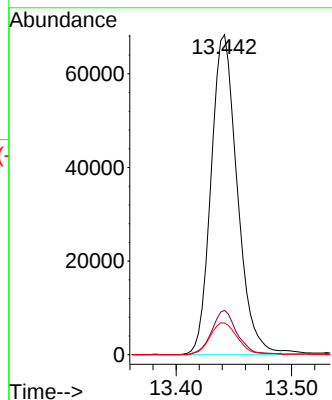
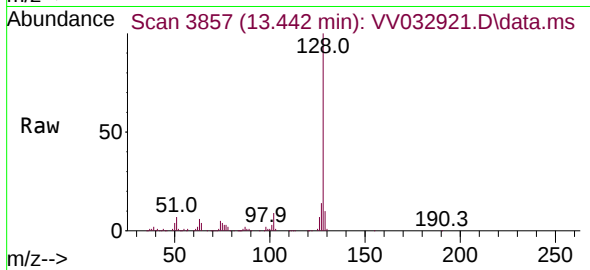




#71
Naphthalene
Concen: 8.933 ug/L
RT: 13.442 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 107662
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.5 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 9.881 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV032921.D
Acq: 13 Nov 2023 10:21

Tgt Ion:180 Resp: 45605
Ion Ratio Lower Upper
180 100
182 100.5 76.9 115.3
145 34.0 26.1 39.1

