

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033014.D
 Acq On : 20 Nov 2023 10:18
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:12:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	339214	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	342897	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	208107	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	89690	50.570	ug/L	0.00
7) Chloroethane-d5	1.532	69	67514	49.496	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	35774	49.295	ug/L	0.00
21) 2-Butanone-d5	3.783	46	116058	104.267	ug/L	0.00
24) Chloroform-d	4.249	84	219602	50.242	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	138367	50.748	ug/L	0.00
32) Benzene-d6	4.960	84	407927	51.085	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	115232	50.890	ug/L	0.00
41) Toluene-d8	7.243	98	398139	52.230	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	67397	50.984	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	99039	106.973	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	171331	49.707	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	183366	49.411	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	170851	46.620	ug/L	100
3) Chloromethane	1.217	50	126747	46.344	ug/L	100
5) Vinyl chloride	1.285	62	119404	47.064	ug/L	100
6) Bromomethane	1.487	94	74807	44.622	ug/L	100
8) Chloroethane	1.552	64	64017	45.621	ug/L	100
9) Trichlorofluoromethane	1.716	101	195355	47.563	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	95658	47.232	ug/L	100
12) 1,1-Dichloroethene	2.073	96	88085	47.105	ug/L	100
13) Acetone	2.111	43	102486	92.824	ug/L	100
14) Carbon disulfide	2.243	76	292692	47.062	ug/L	100
15) Methyl Acetate	2.372	43	90029	46.512	ug/L	100
16) Methylene chloride	2.449	84	119760	45.204	ug/L	100
17) trans-1,2-Dichloroethene	2.696	96	112479	47.000	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	364462	48.549	ug/L	100
19) 1,1-Dichloroethane	3.114	63	200384	46.875	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	126546	47.162	ug/L	100
22) 2-Butanone	3.863	43	140101	99.365	ug/L	100
23) Bromochloromethane	4.146	128	71298	48.310	ug/L	100
25) Chloroform	4.278	83	225676	46.903	ug/L	100
27) 1,2-Dichloroethane	5.040	62	179526	47.828	ug/L	100
29) Cyclohexane	4.584	56	163343	49.373	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	216197	48.273	ug/L	100
31) Carbon tetrachloride	4.738	117	199935	47.904	ug/L	100
33) Benzene	5.011	78	468679	49.139	ug/L	100
34) Trichloroethene	5.834	95	129748	48.263	ug/L	100
35) Methylcyclohexane	6.053	83	193416	49.499	ug/L	100
37) 1,2-Dichloropropane	6.092	63	112864	48.211	ug/L	100
38) Bromodichloromethane	6.432	83	172941	47.545	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	194398	48.234	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	260894	101.883	ug/L	100
42) Toluene	7.317	91	520572	49.259	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	197304	48.718	ug/L	100

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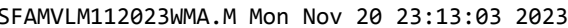
Instrument :
 MSVOA_V
 ClientSampleId :

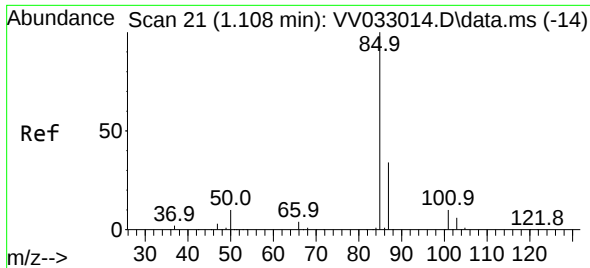
Quant Time: Nov 20 23:12:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	127230	48.258	ug/L	100
46) Tetrachloroethene	7.905	164	113848	48.595	ug/L	100
48) 2-Hexanone	8.072	43	206904	102.132	ug/L	100
49) Dibromochloromethane	8.175	129	146768	48.300	ug/L	100
50) 1,2-Dibromoethane	8.281	107	135480	49.065	ug/L	100
51) Chlorobenzene	8.815	112	356112	47.486	ug/L	100
52) Ethylbenzene	8.947	91	596760	49.189	ug/L	100
53) m,p-Xylene	9.072	106	235800	49.470	ug/L	100
54) o-Xylene	9.477	106	226525	49.370	ug/L	100
55) Styrene	9.497	104	414313	50.620	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	178000	47.792	ug/L	100
59) Bromoform	9.664	173	117546	48.467	ug/L	100
60) Isopropylbenzene	9.866	105	632344	50.123	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	142783	47.560	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	504536	49.846	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	533728	50.333	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	326747	48.342	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	335155	46.649	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	324908	47.906	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	41660	47.701	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	248171	47.227	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	233451	48.476	ug/L	100
71) Naphthalene	13.439	128	613230	51.484	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	233635	50.039	ug/L	100

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

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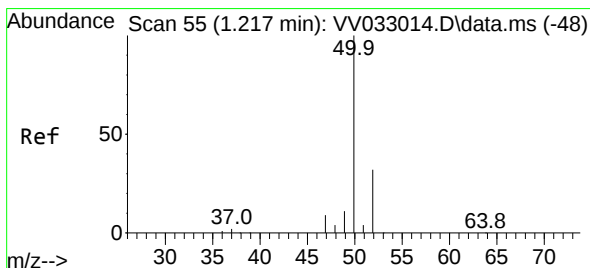
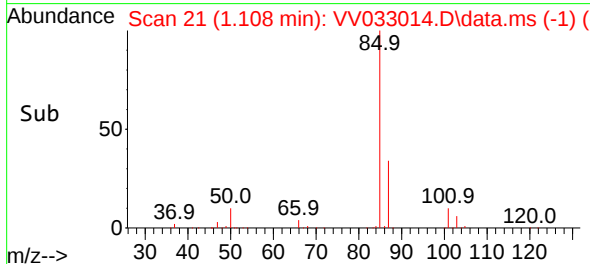
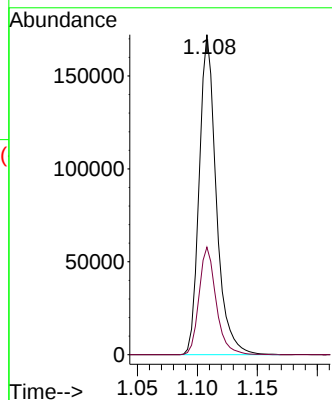
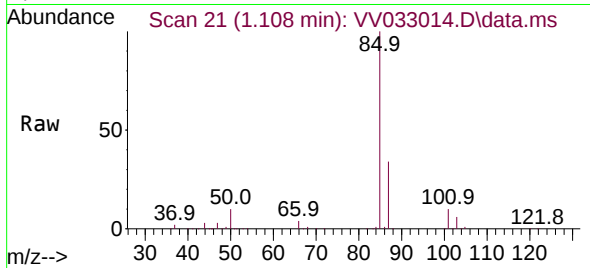




#2
Dichlorodifluoromethane
Concen: 46.620 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

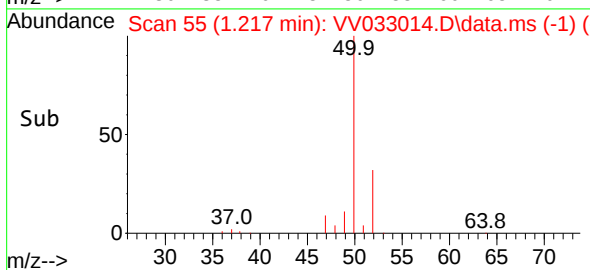
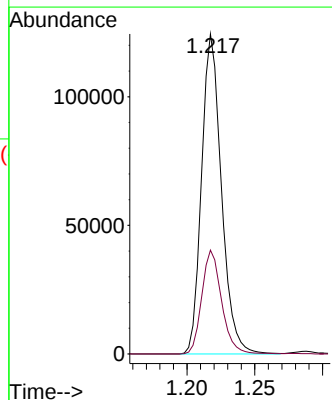
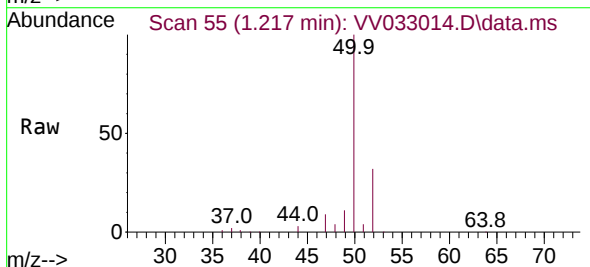
Instrument :
MSVOA_V
ClientSampleId :

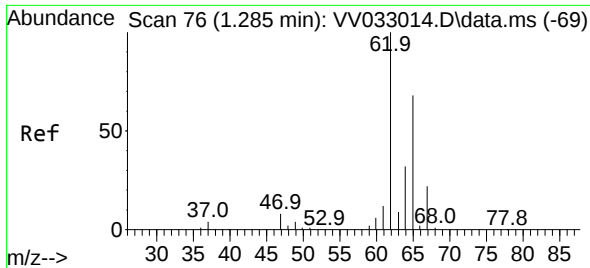
Tgt Ion: 85 Resp: 170851
Ion Ratio Lower Upper
85 100
87 33.5 26.8 40.2



#3
Chloromethane
Concen: 46.344 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 50 Resp: 126747
Ion Ratio Lower Upper
50 100
52 32.5 22.7 42.3

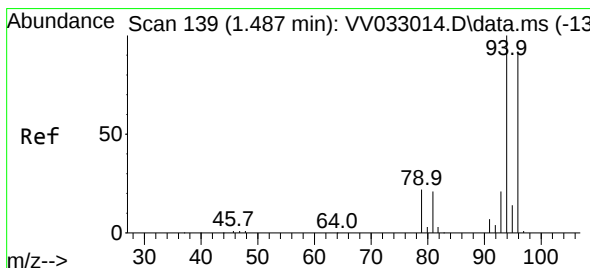
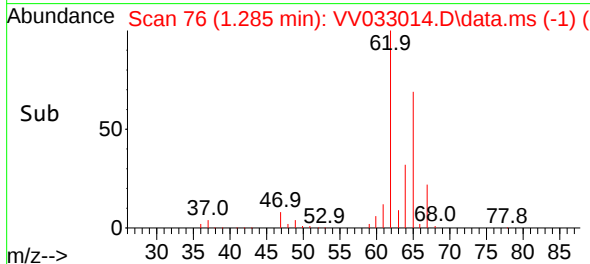
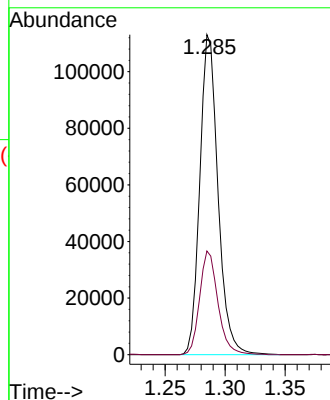
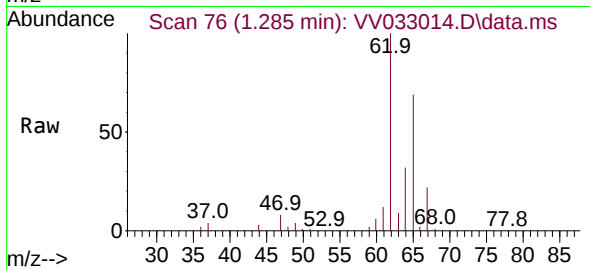




#5
 Vinyl chloride
 Concen: 47.064 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033014.D
 Acq: 20 Nov 2023 10:18

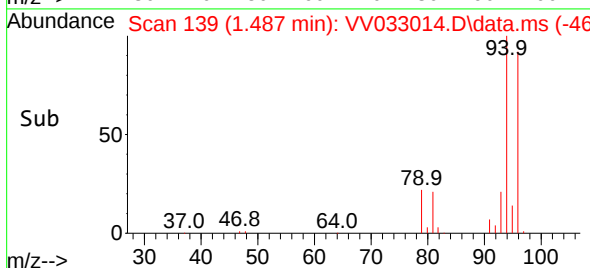
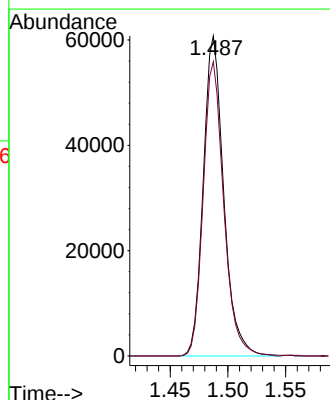
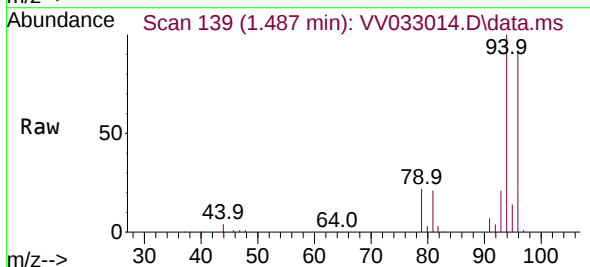
Instrument :
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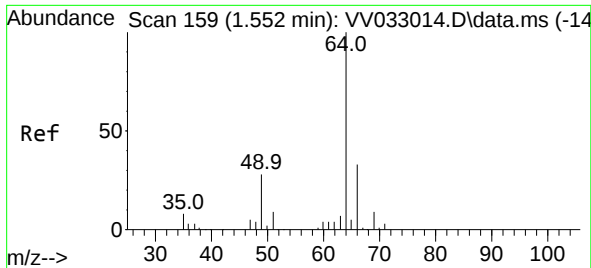
Tgt Ion: 62 Resp: 119404
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.7 42.1



#6
 Bromomethane
 Concen: 44.622 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033014.D
 Acq: 20 Nov 2023 10:18

Tgt Ion: 94 Resp: 74807
 Ion Ratio Lower Upper
 94 100
 96 92.0 64.4 119.6

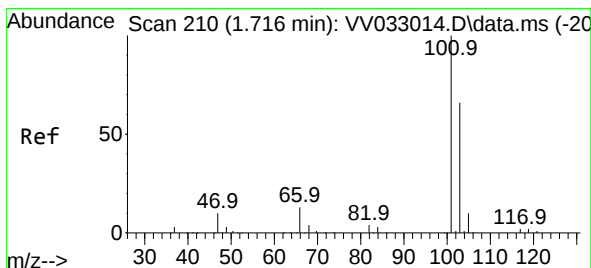
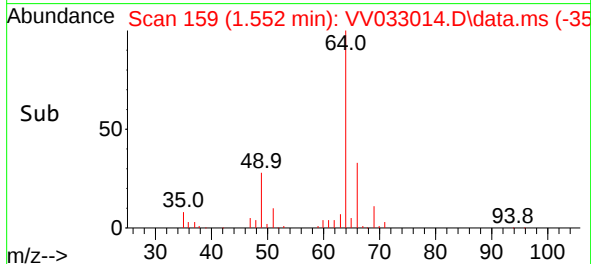
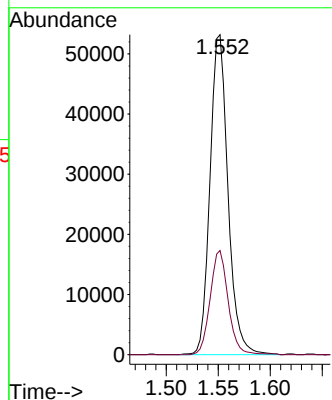
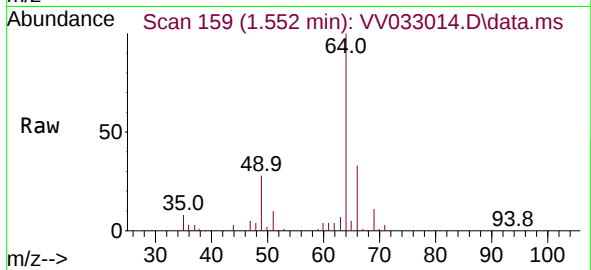




#8
Chloroethane
Concen: 45.621 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

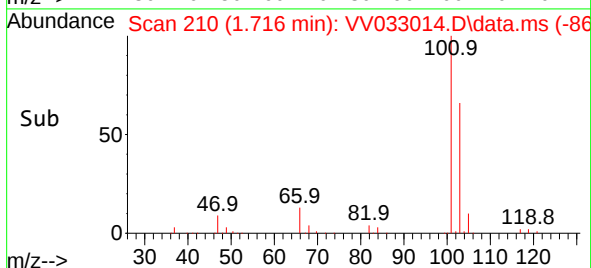
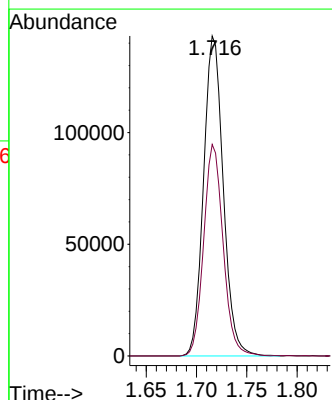
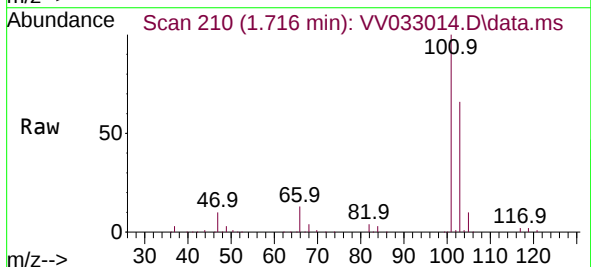
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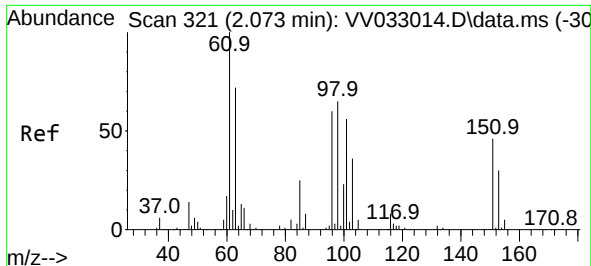
Tgt Ion: 64 Resp: 64017
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 47.563 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion:101 Resp: 195355
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1





#10

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

Concen: 47.232 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

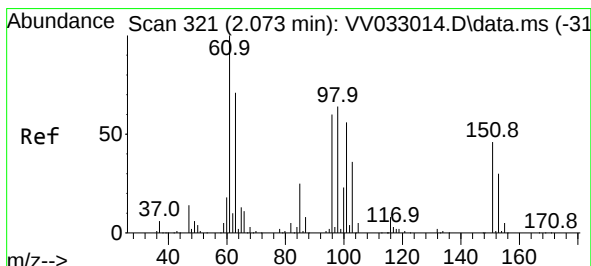
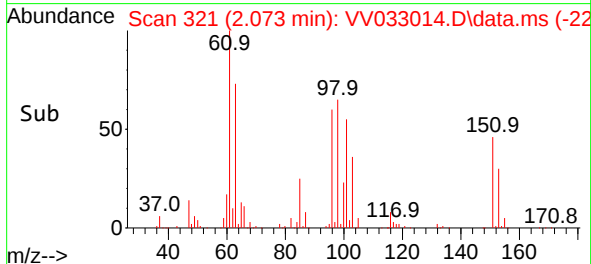
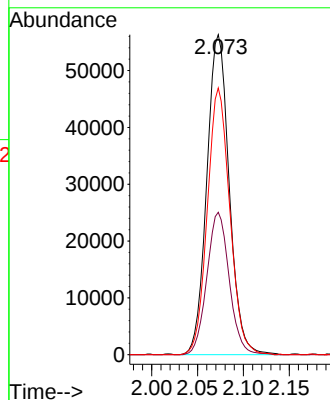
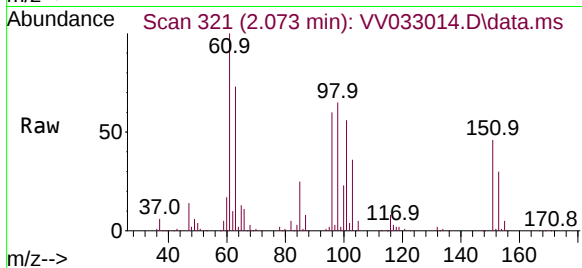
Tgt Ion:101 Resp: 95658

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

151 83.7 67.0 100.4



#12

1,1-Dichloroethene

Concen: 47.105 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

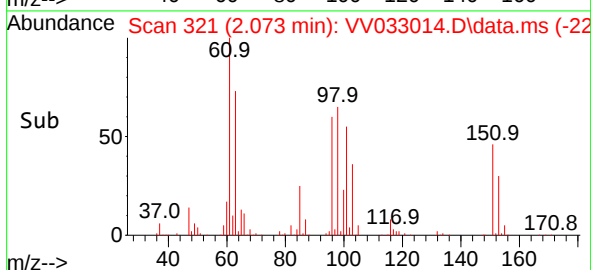
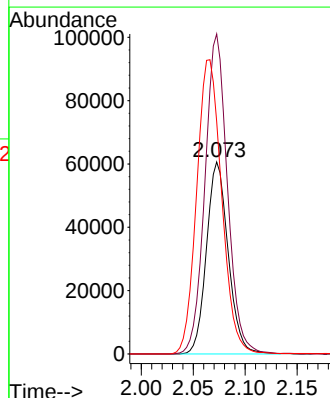
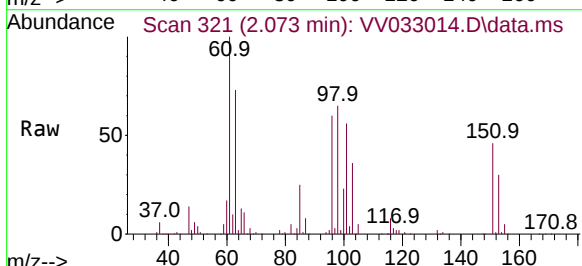
Tgt Ion: 96 Resp: 88085

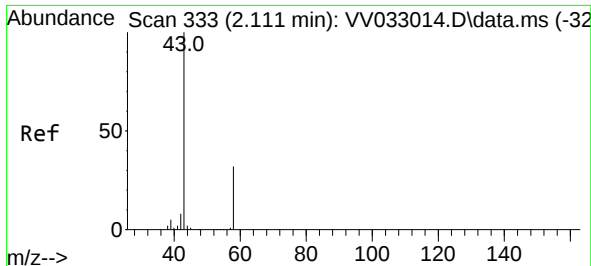
Ion Ratio Lower Upper

96 100

61 166.6 116.6 216.6

63 121.1 84.8 157.4





#13

Acetone

Concen: 92.824 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

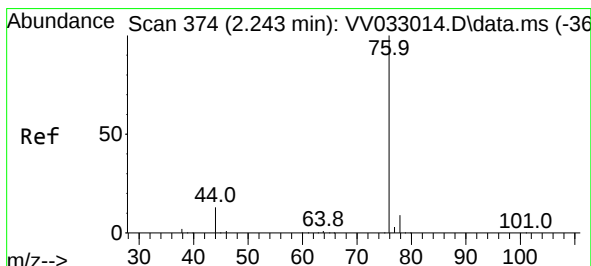
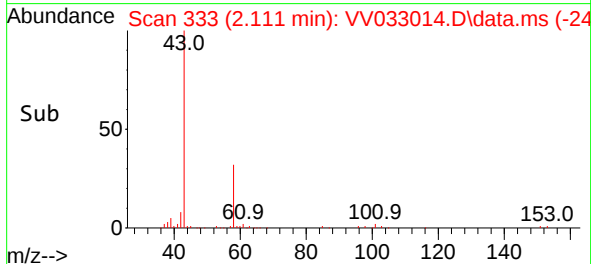
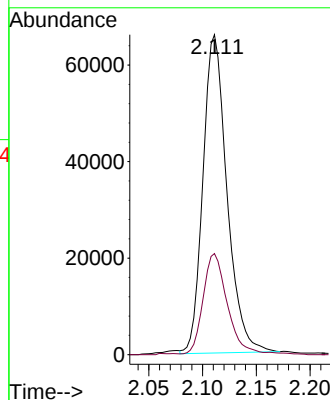
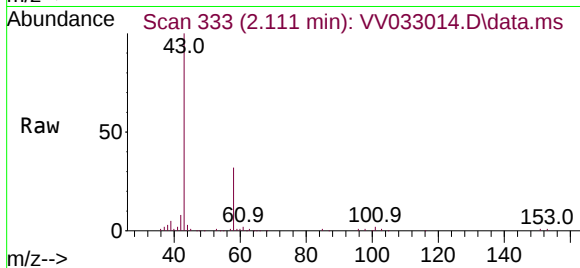
ClientSampleId :

Tgt Ion: 43 Resp: 102486

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.6



#14

Carbon disulfide

Concen: 47.062 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033014.D

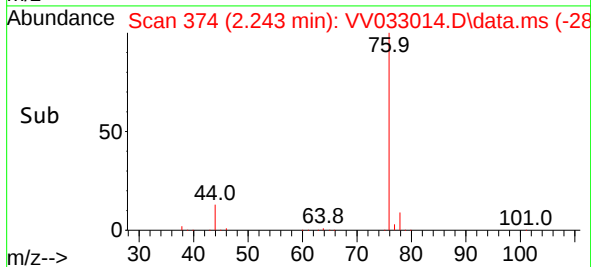
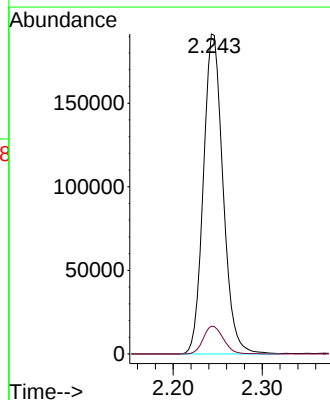
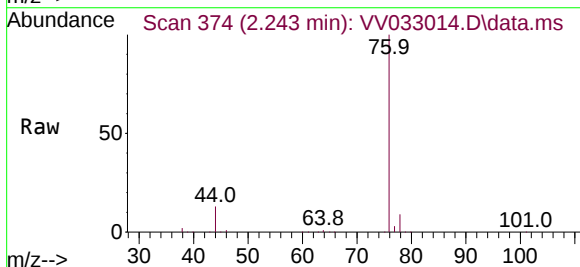
Acq: 20 Nov 2023 10:18

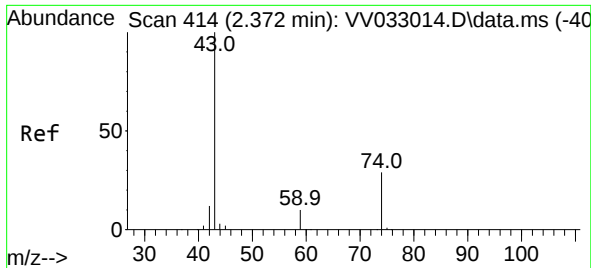
Tgt Ion: 76 Resp: 292692

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

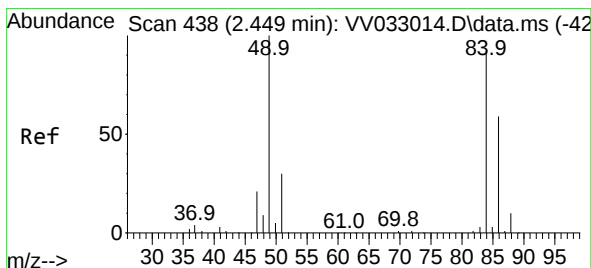
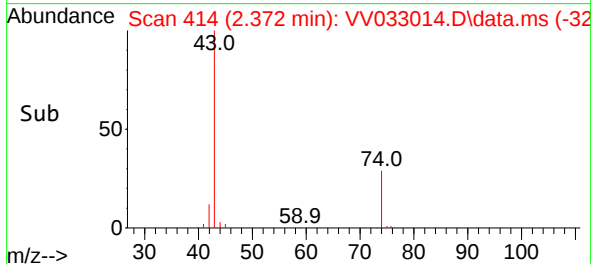
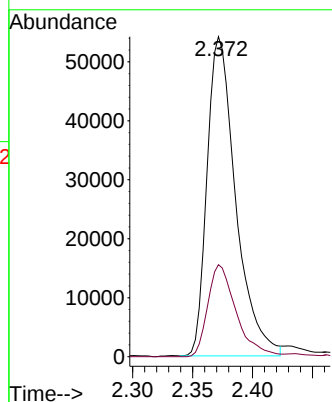
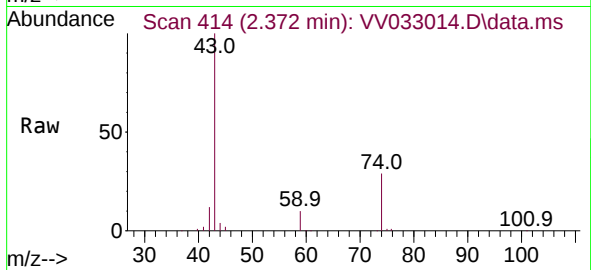




#15
Methyl Acetate
Concen: 46.512 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

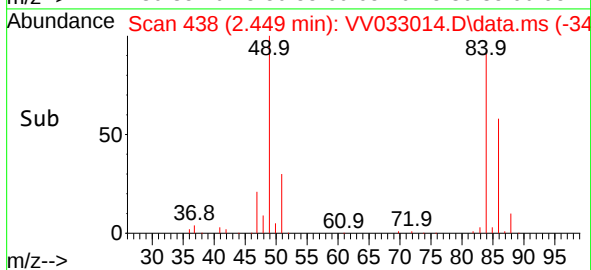
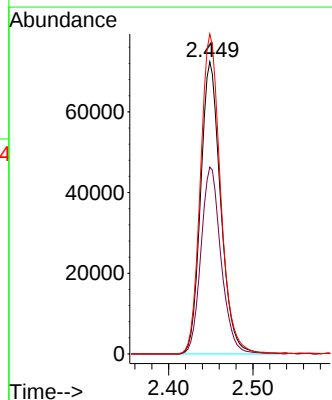
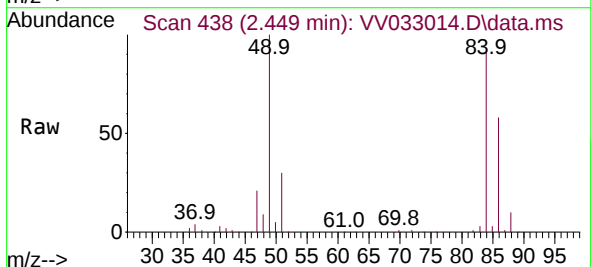
Instrument :
MSVOA_V
ClientSampleId :

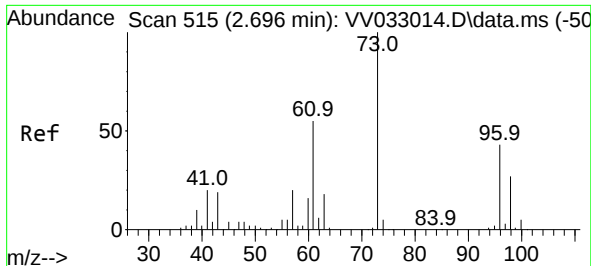
Tgt Ion: 43 Resp: 90029
Ion Ratio Lower Upper
43 100
74 28.4 22.7 34.1



#16
Methylene chloride
Concen: 45.204 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 84 Resp: 119760
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 109.5 76.6 142.3

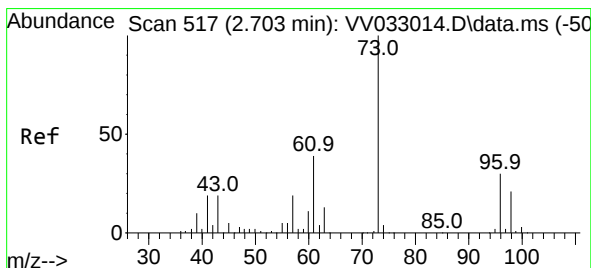
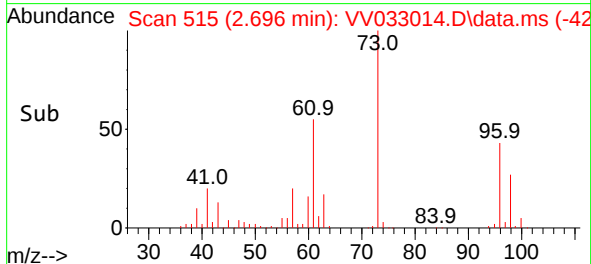
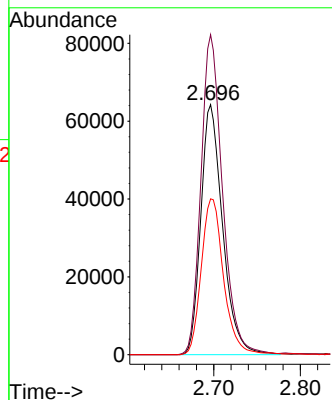
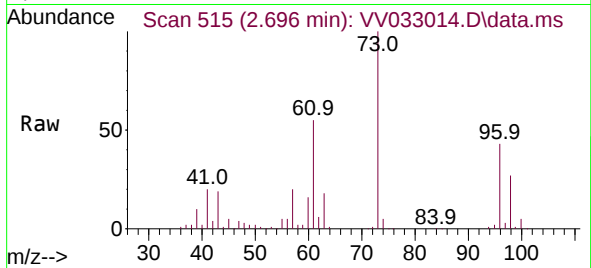




#17
trans-1,2-Dichloroethene
Concen: 47.000 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

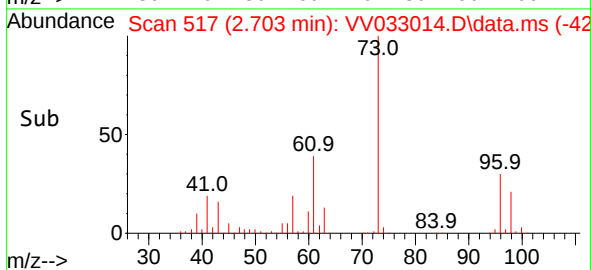
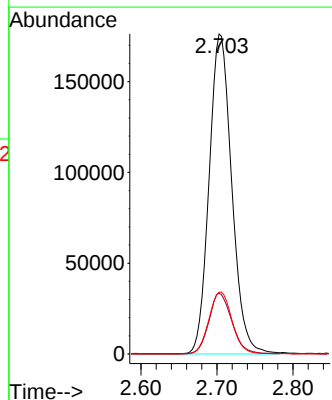
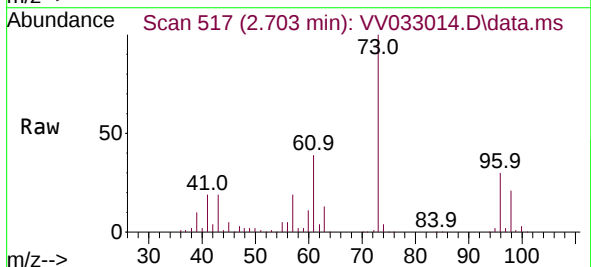
Instrument :
MSVOA_V
ClientSampleId :

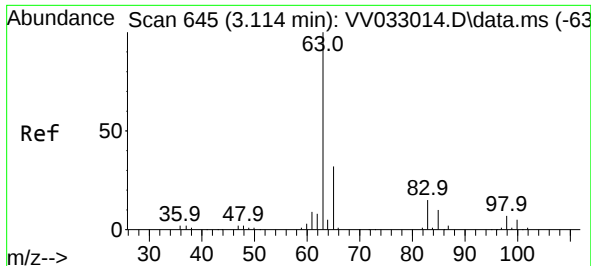
Tgt Ion: 96 Resp: 112479
Ion Ratio Lower Upper
96 100
61 127.9 89.5 166.3
98 62.3 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 48.549 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 73 Resp: 364462
Ion Ratio Lower Upper
73 100
43 19.0 15.2 22.8
57 19.8 15.8 23.8

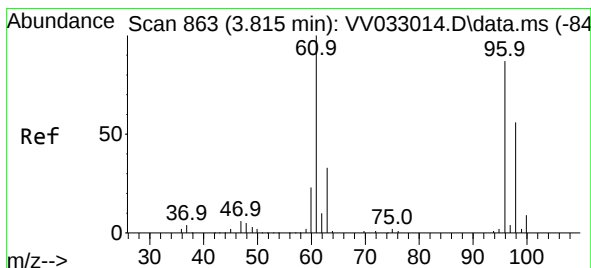
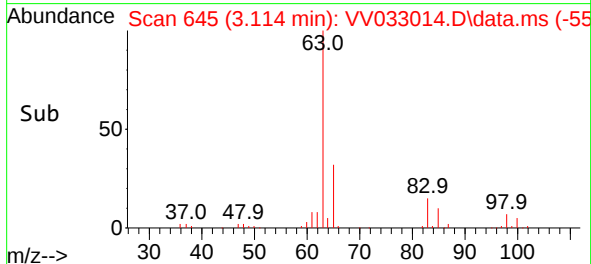
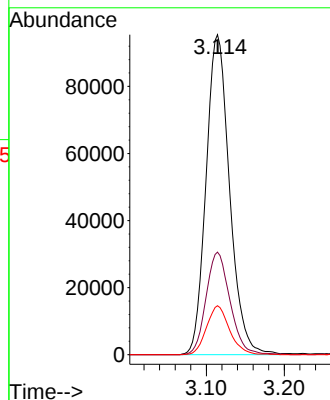
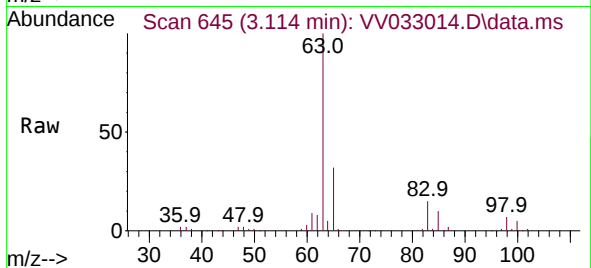




#19
1,1-Dichloroethane
Concen: 46.875 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

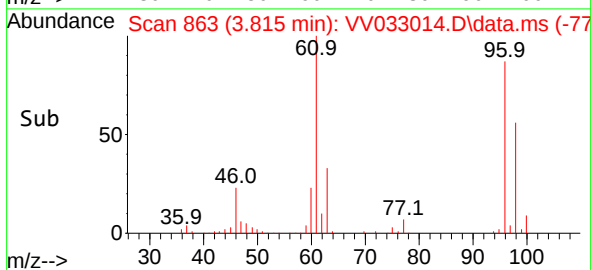
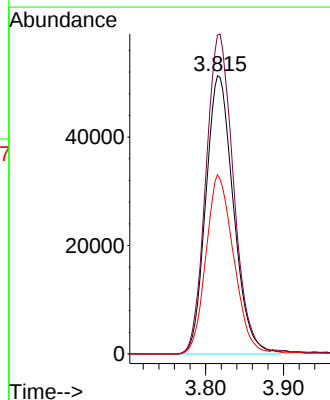
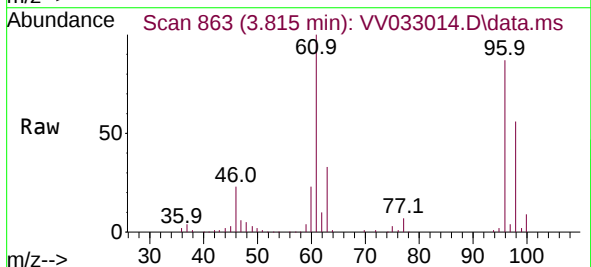
Instrument :
MSVOA_V
ClientSampleId :

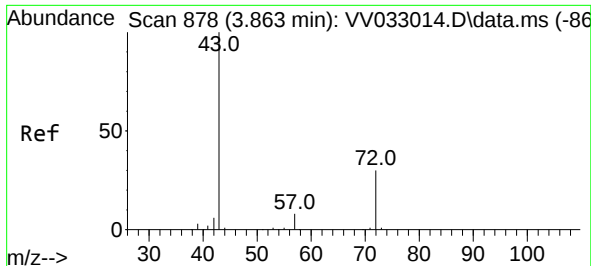
Tgt Ion: 63 Resp: 200384
Ion Ratio Lower Upper
63 100
65 32.0 22.4 41.6
83 15.3 10.7 19.9



#20
cis-1,2-Dichloroethene
Concen: 47.162 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 96 Resp: 126546
Ion Ratio Lower Upper
96 100
61 114.6 80.2 149.0
98 64.4 45.1 83.7

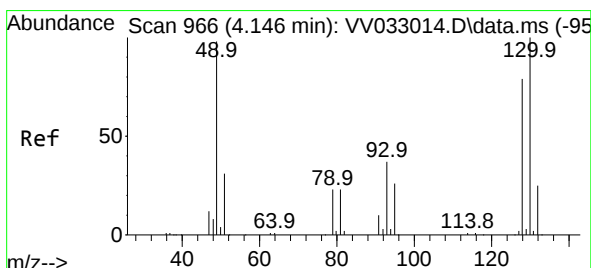
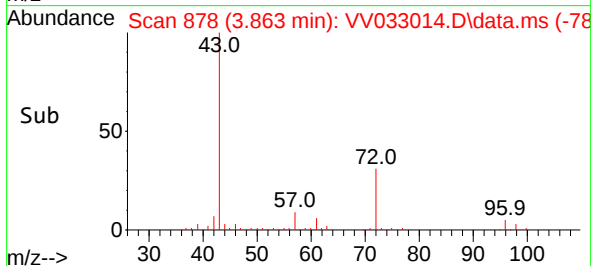
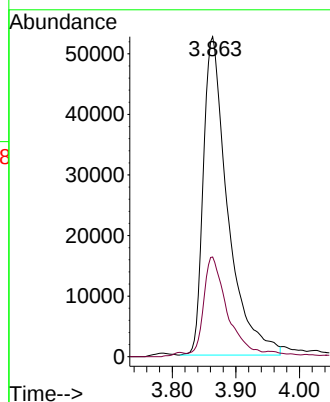
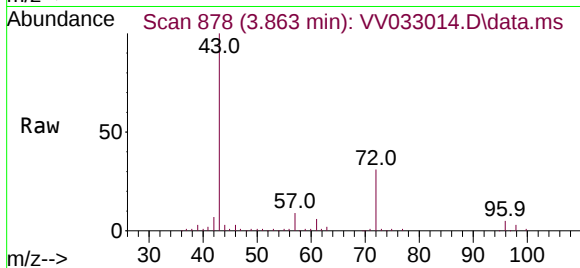




#22
2-Butanone
Concen: 99.365 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

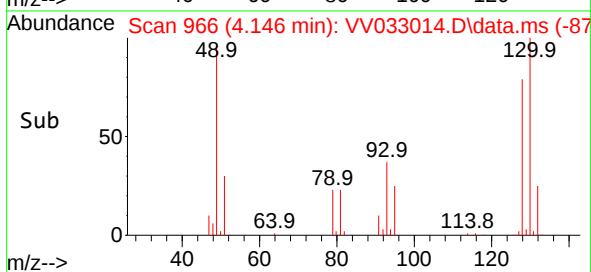
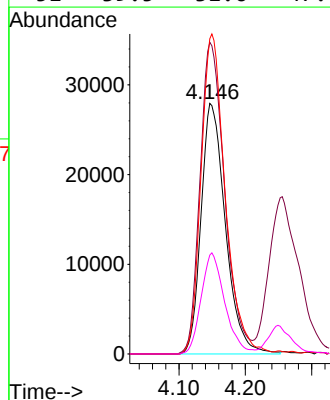
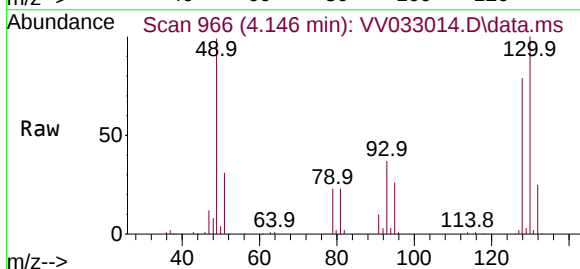
Instrument :
MSVOA_V
ClientSampleId :

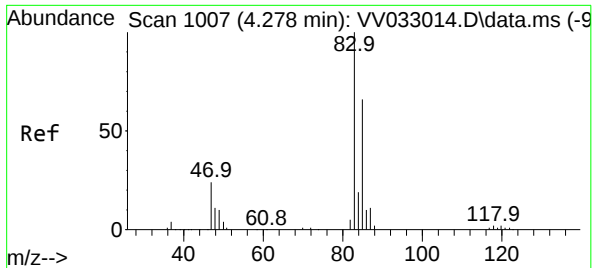
Tgt Ion: 43 Resp: 140101
Ion Ratio Lower Upper
43 100
72 27.8 13.9 41.7



#23
Bromochloromethane
Concen: 48.310 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion:128 Resp: 71298
Ion Ratio Lower Upper
128 100
49 124.4 87.1 161.7
130 125.8 88.1 163.5
51 39.5 31.6 47.4

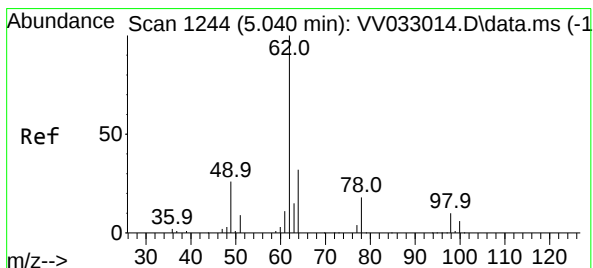
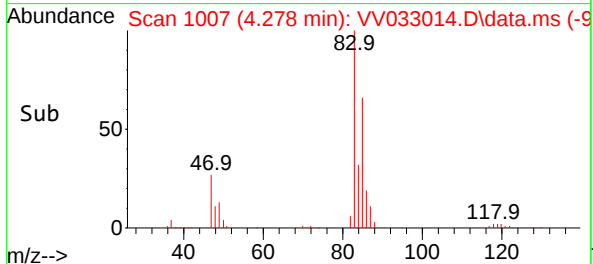
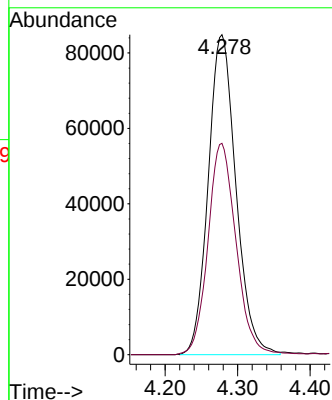
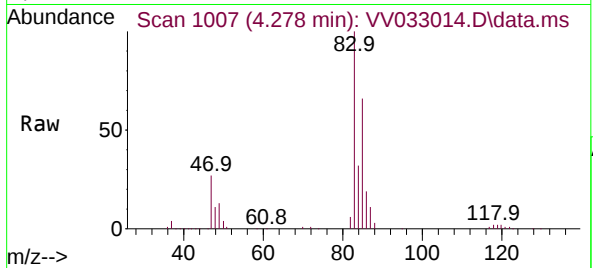




#25
Chloroform
Concen: 46.903 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

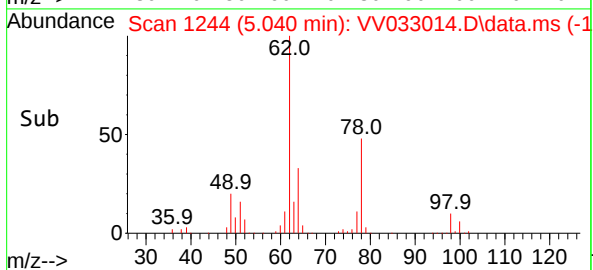
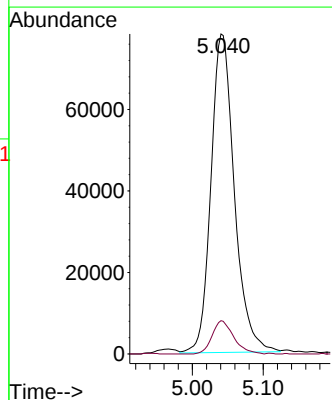
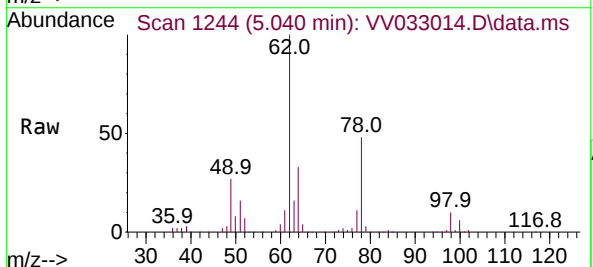
Instrument :
MSVOA_V
ClientSampleId :

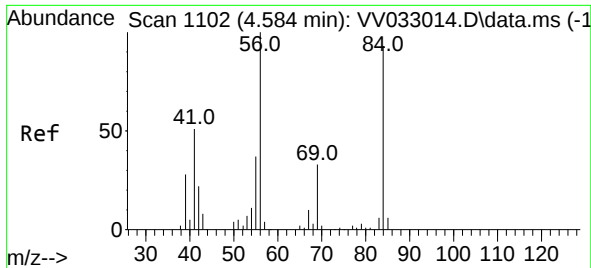
Tgt Ion: 83 Resp: 225676
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 47.828 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

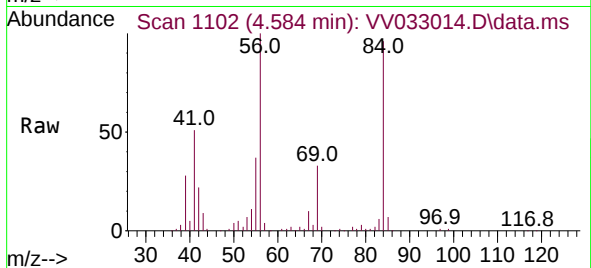
Tgt Ion: 62 Resp: 179526
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5



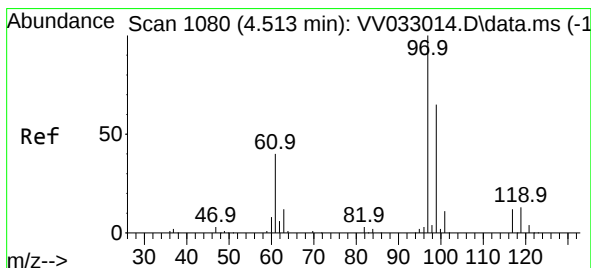
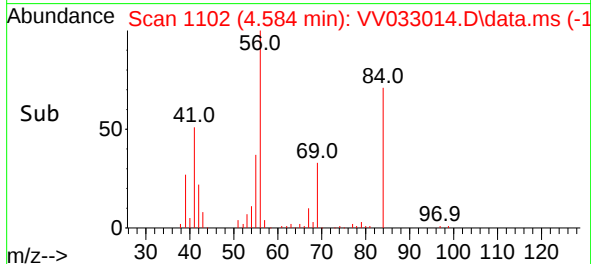
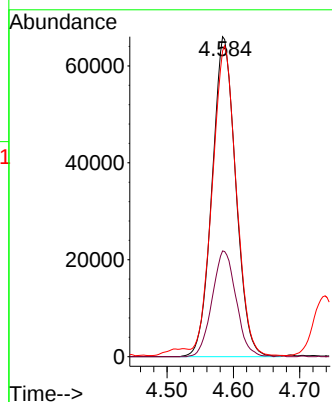


#29
Cyclohexane
Concen: 49.373 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Instrument :
MSVOA_V
ClientSampleId :

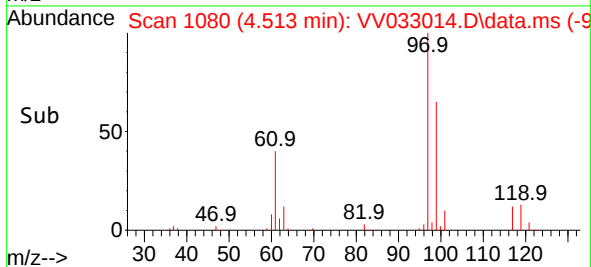
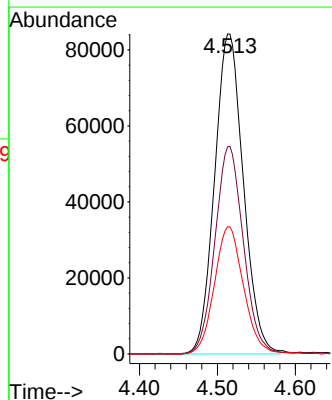
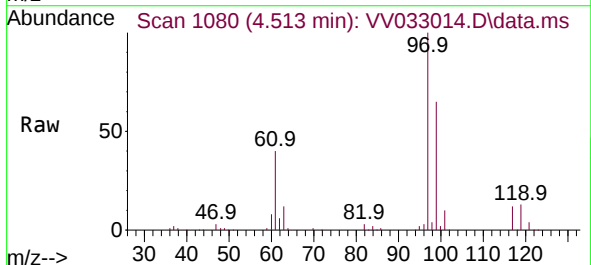


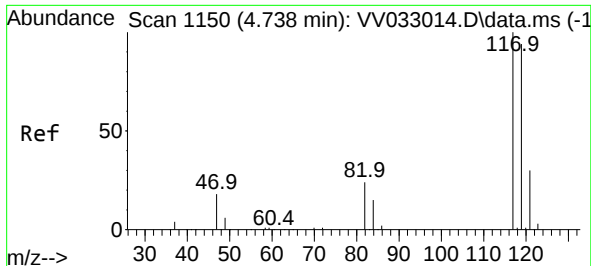
Tgt Ion: 56 Resp: 163343
Ion Ratio Lower Upper
56 100
69 33.4 26.7 40.1
84 97.6 78.1 117.1



#30
1,1,1-Trichloroethane
Concen: 48.273 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 97 Resp: 216197
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 40.1 32.1 48.1

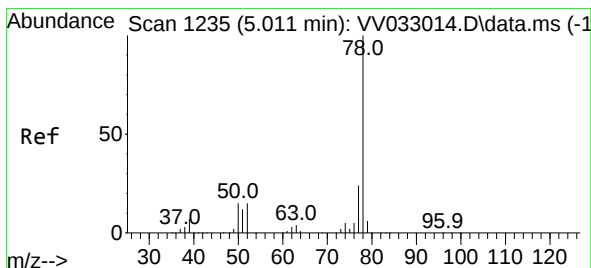
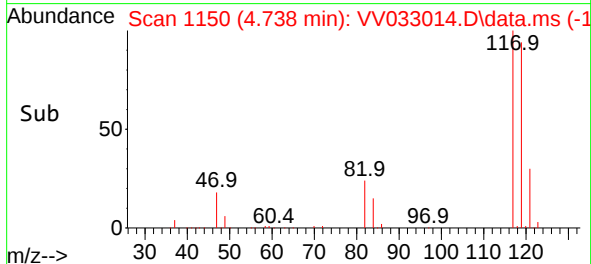
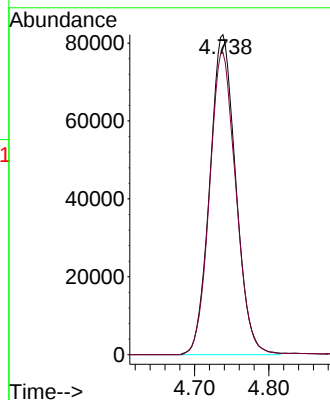
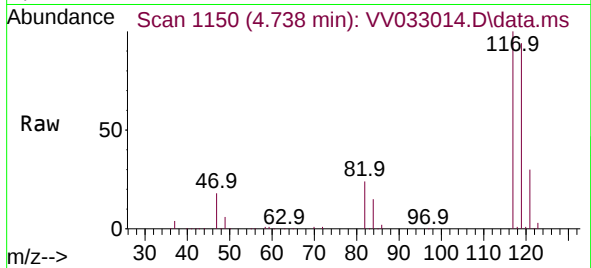




#31
Carbon tetrachloride
Concen: 47.904 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

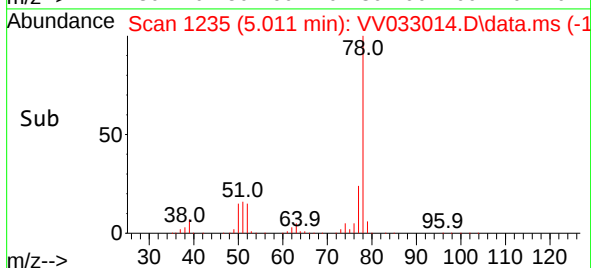
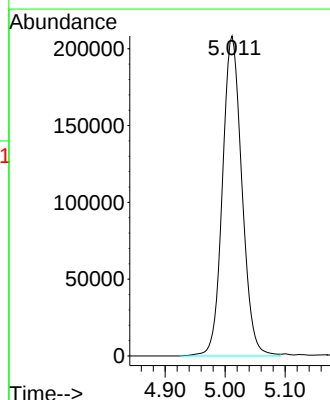
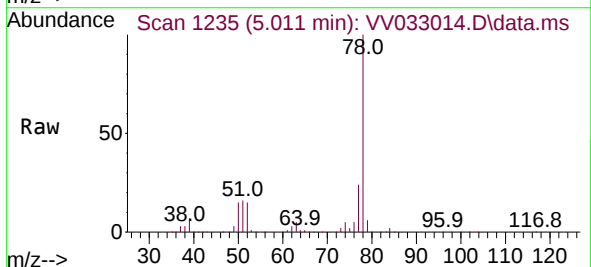
Instrument :
MSVOA_V
ClientSampleId :

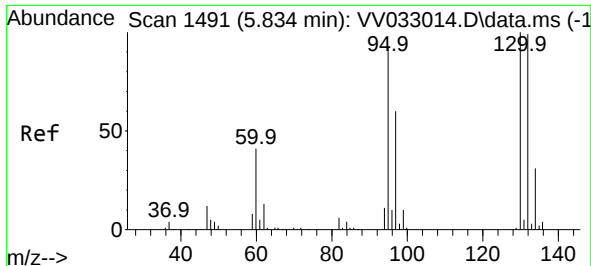
Tgt Ion:117 Resp: 199935
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7



#33
Benzene
Concen: 49.139 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 78 Resp: 468679

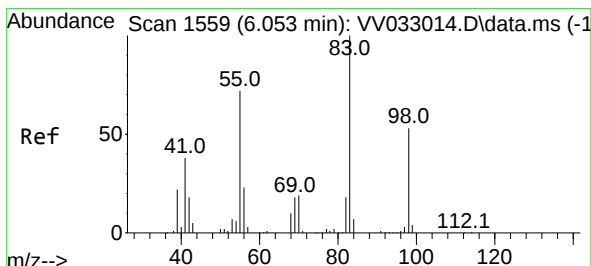
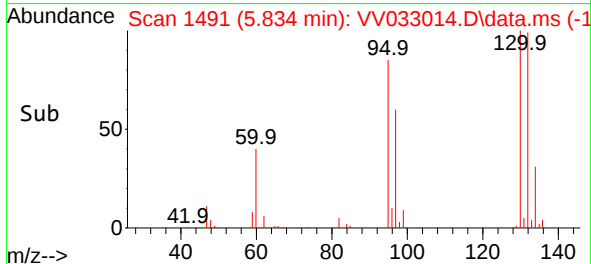
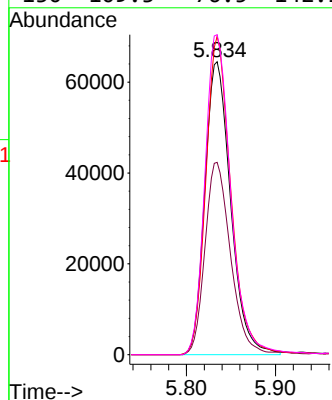
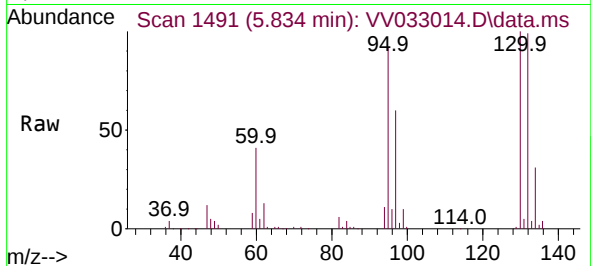




#34
Trichloroethene
Concen: 48.263 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

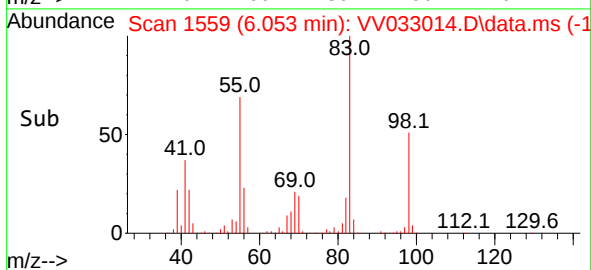
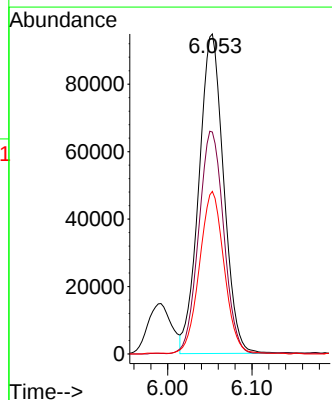
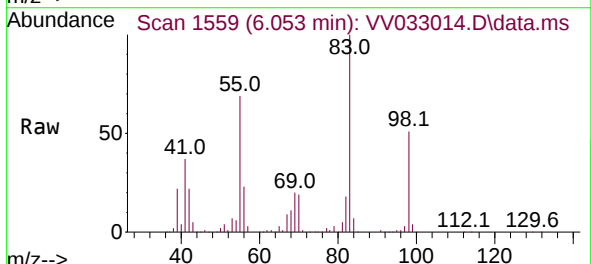
Instrument :
MSVOA_V
ClientSampleId :

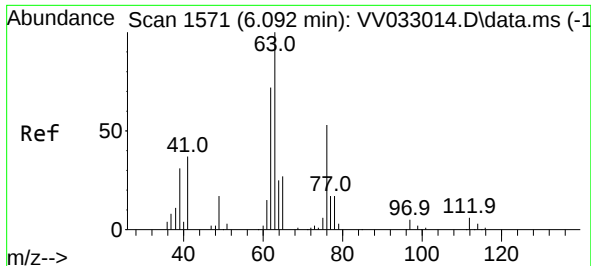
Tgt Ion: 95 Resp: 129748
Ion Ratio Lower Upper
95 100
97 65.7 46.0 85.4
132 108.6 76.0 141.2
130 109.3 76.5 142.1



#35
Methylcyclohexane
Concen: 49.499 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 83 Resp: 193416
Ion Ratio Lower Upper
83 100
55 70.4 56.3 84.5
98 50.6 40.5 60.7





#37

1,2-Dichloropropane

Concen: 48.211 ug/L

RT: 6.092 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

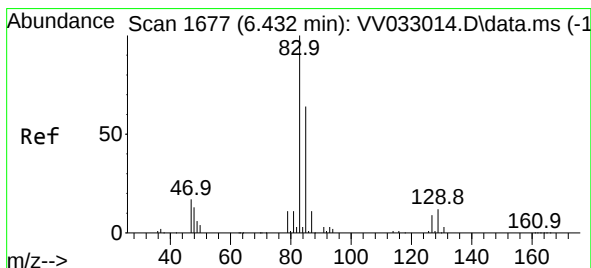
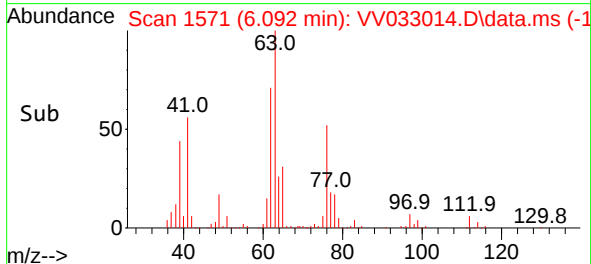
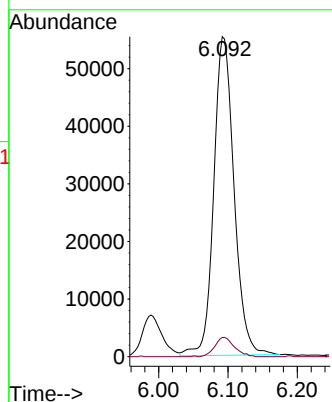
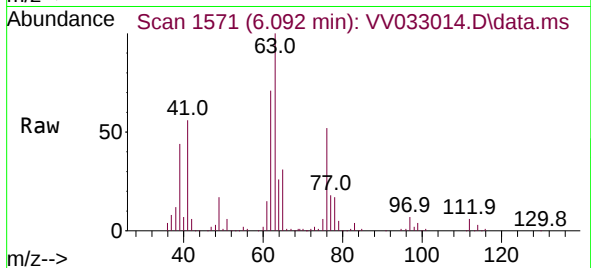
ClientSampleId :

Tgt Ion: 63 Resp: 112864

Ion Ratio Lower Upper

63 100

112 5.8 4.6 7.0



#38

Bromodichloromethane

Concen: 47.545 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

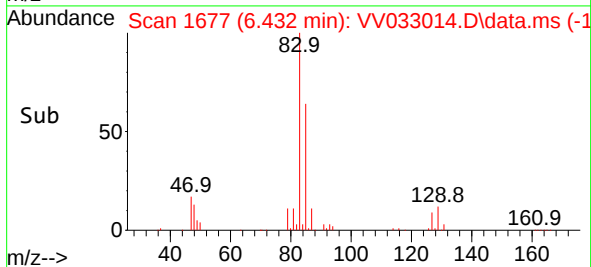
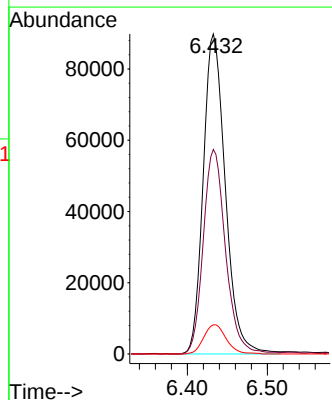
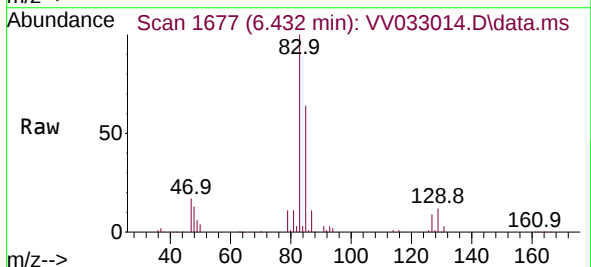
Tgt Ion: 83 Resp: 172941

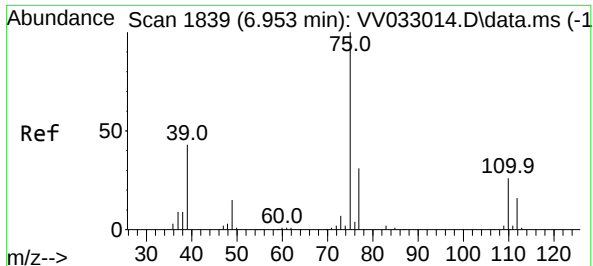
Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 9.1 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 48.234 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

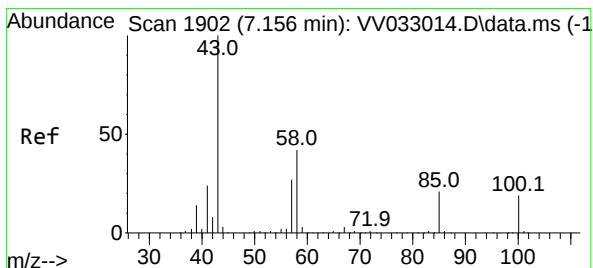
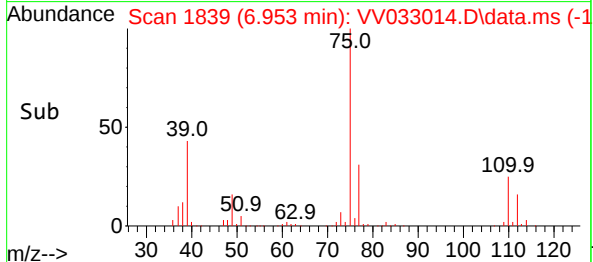
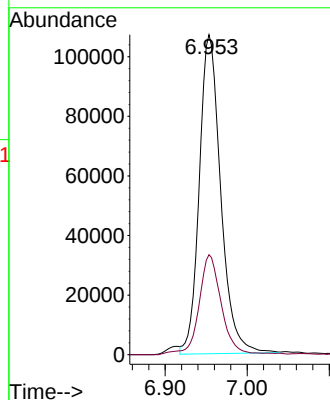
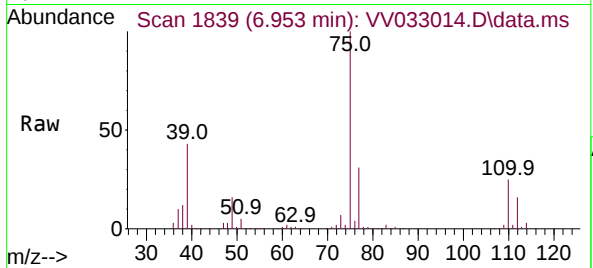
ClientSampleId :

Tgt Ion: 75 Resp: 194398

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 101.883 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

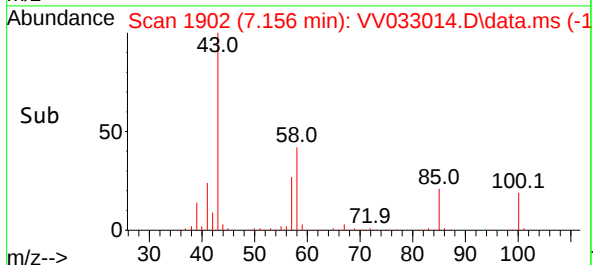
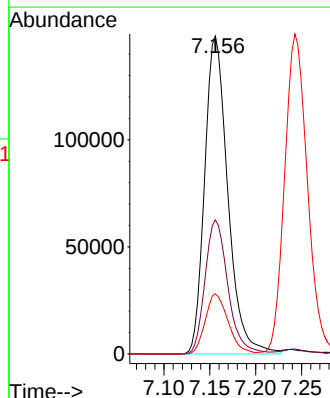
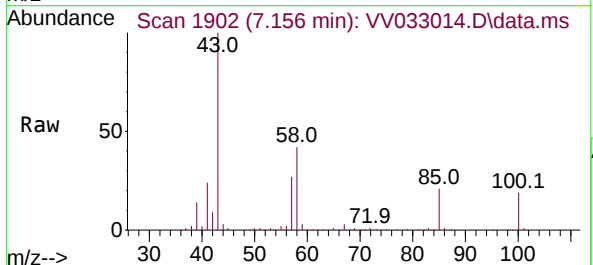
Tgt Ion: 43 Resp: 260894

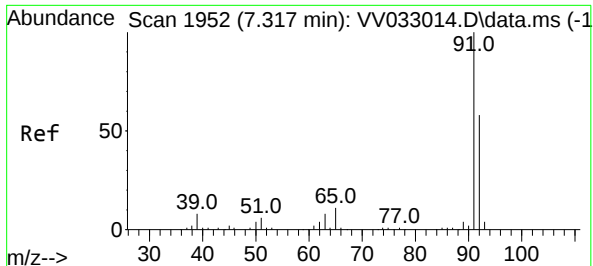
Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8

100 18.6 14.9 22.3





#42

Toluene

Concen: 49.259 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

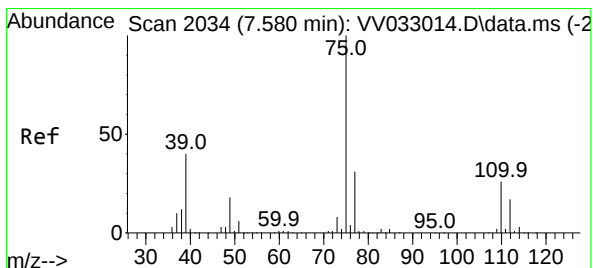
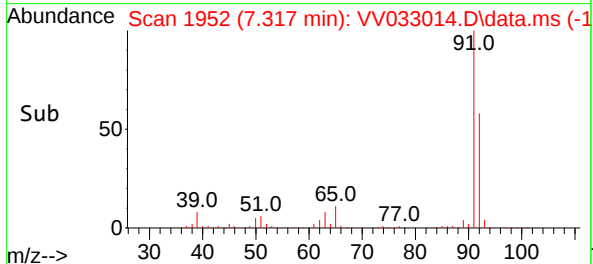
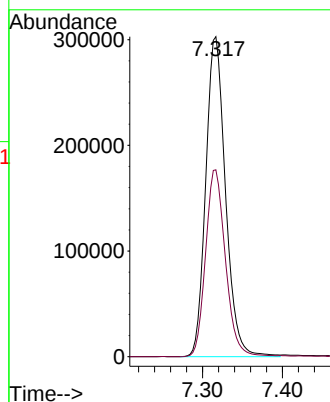
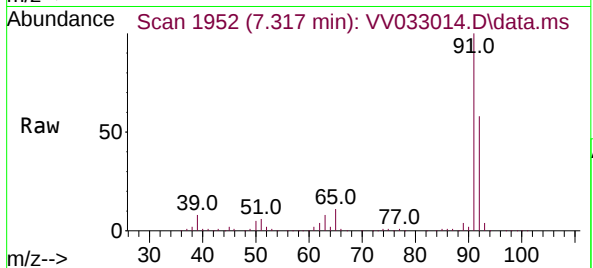
ClientSampleId :

Tgt Ion: 91 Resp: 520572

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 48.718 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033014.D

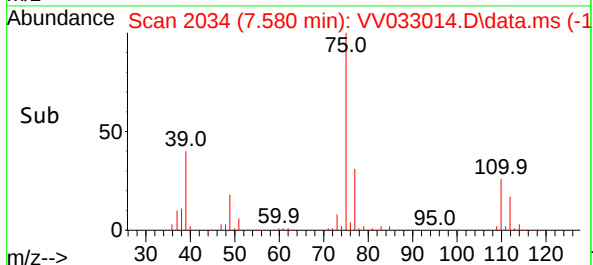
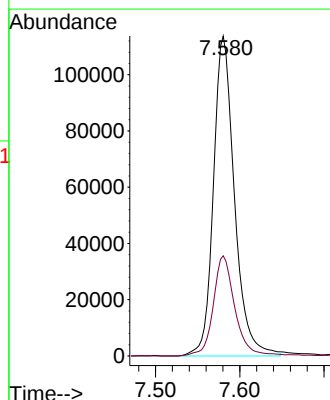
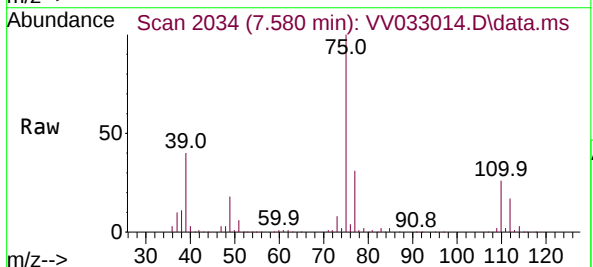
Acq: 20 Nov 2023 10:18

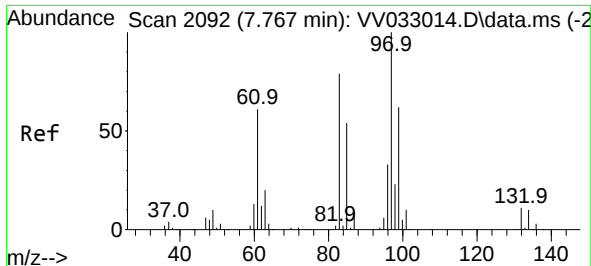
Tgt Ion: 75 Resp: 197304

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

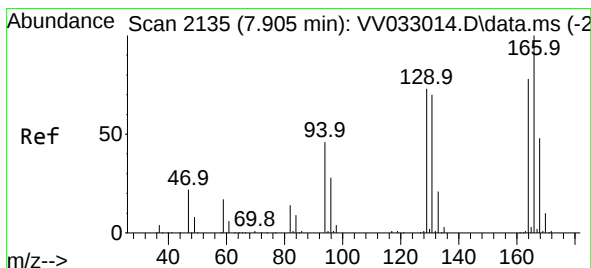
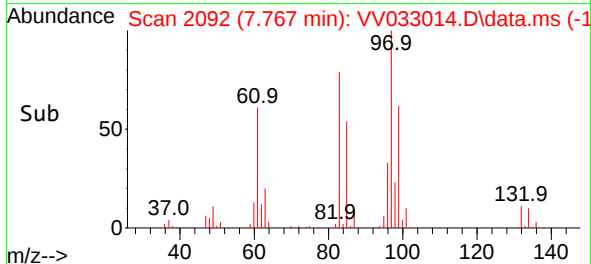
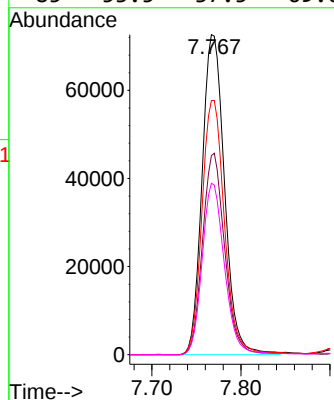
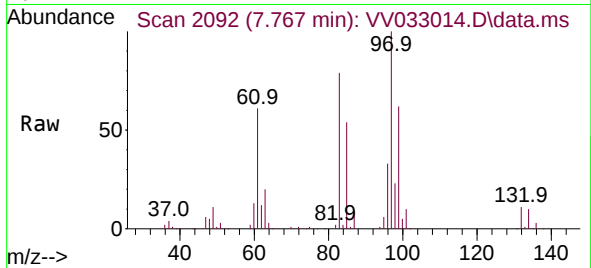




#45
1,1,2-Trichloroethane
Concen: 48.258 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

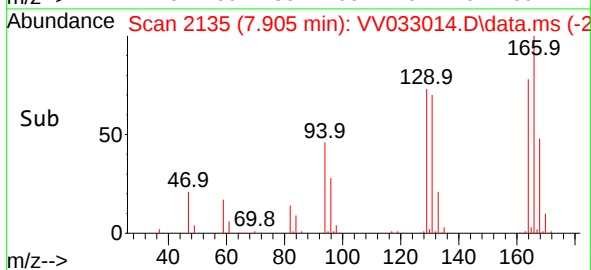
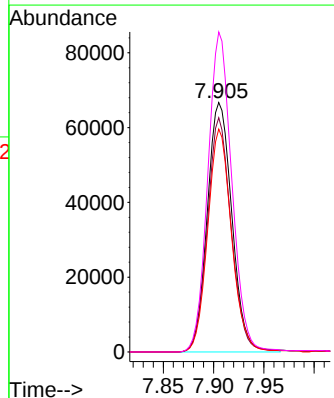
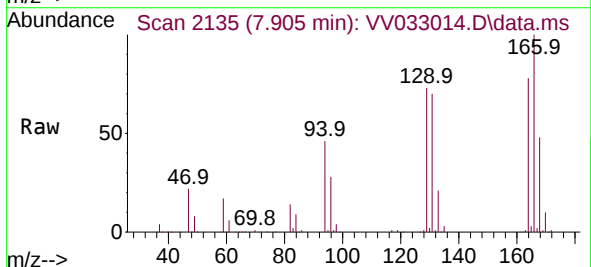
Instrument :
MSVOA_V
ClientSampleId :

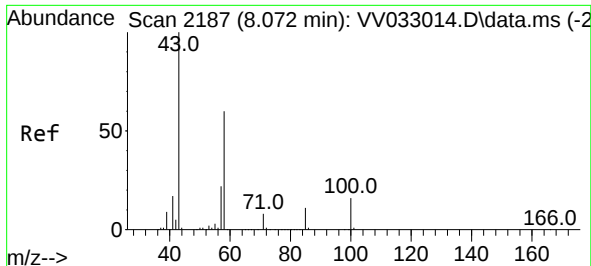
Tgt Ion:	97	Resp:	127230
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	79.4	55.6	103.2
85	53.5	37.5	69.6



#46
Tetrachloroethene
Concen: 48.595 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

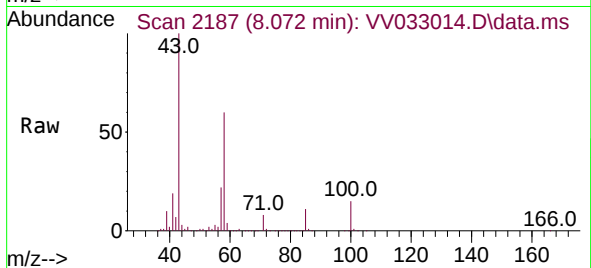
Tgt Ion:	164	Resp:	113848
Ion	Ratio	Lower	Upper
164	100		
129	93.9	65.7	122.1
131	89.3	62.5	116.1
166	128.3	89.8	166.8



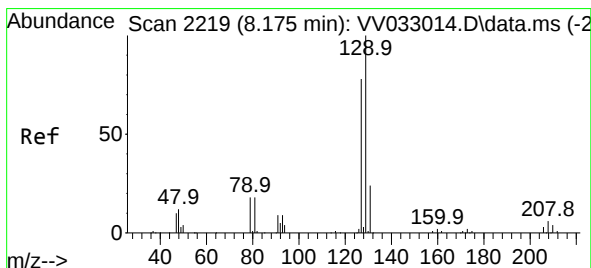
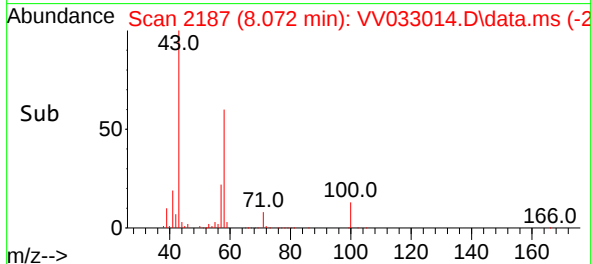
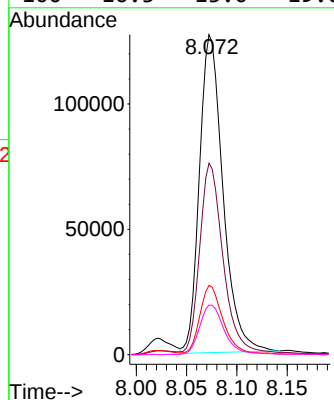


#48
2-Hexanone
Concen: 102.132 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Instrument :
MSVOA_V
ClientSampleId :

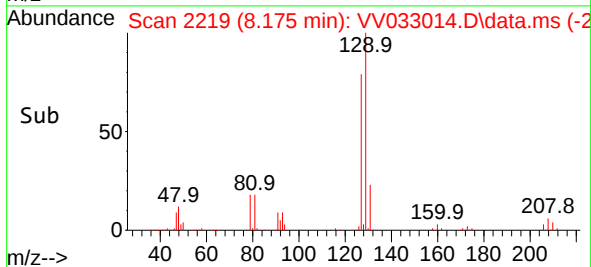
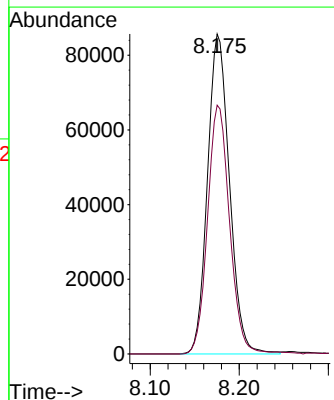
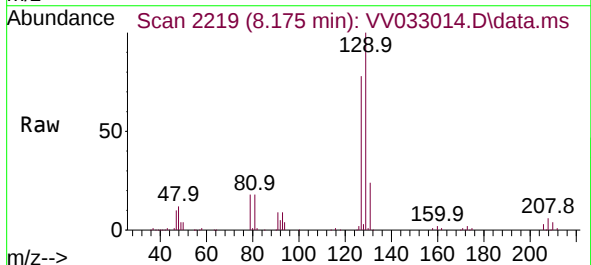


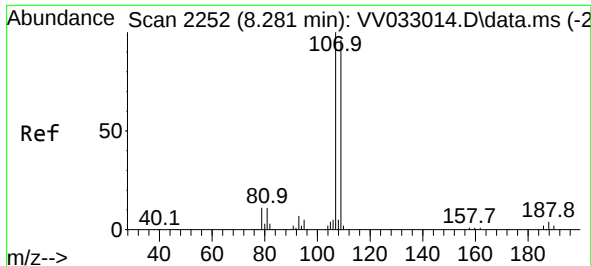
Tgt Ion: 43 Resp: 206904
Ion Ratio Lower Upper
43 100
58 58.8 47.0 70.6
57 21.3 17.0 25.6
100 16.3 13.0 19.6



#49
Dibromochloromethane
Concen: 48.300 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 129 Resp: 146768
Ion Ratio Lower Upper
129 100
127 77.7 54.4 101.0





#50

1,2-Dibromoethane

Concen: 49.065 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

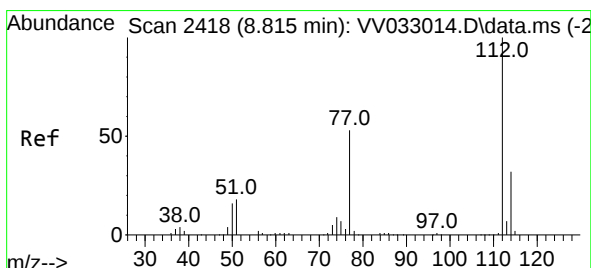
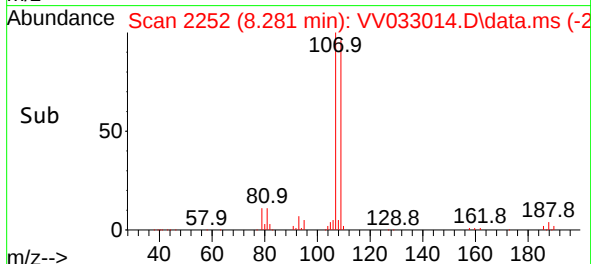
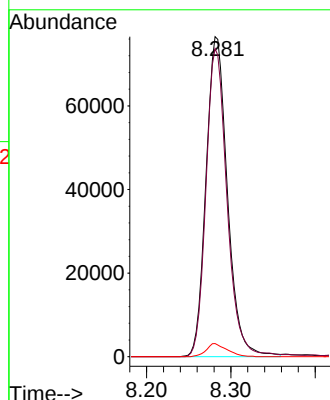
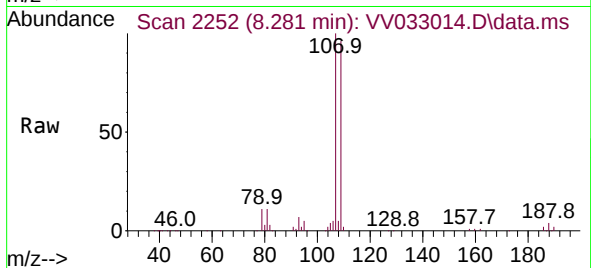
Tgt Ion:107 Resp: 135480

Ion Ratio Lower Upper

107 100

109 96.2 67.3 125.1

188 4.1 3.3 4.9



#51

Chlorobenzene

Concen: 47.486 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

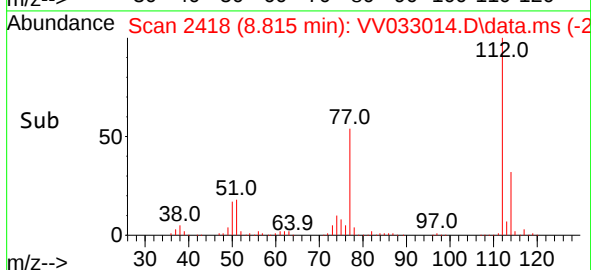
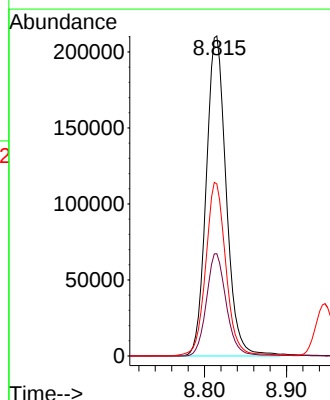
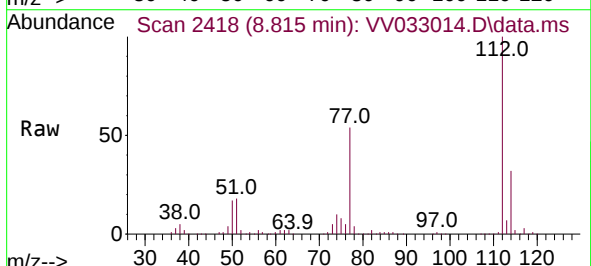
Tgt Ion:112 Resp: 356112

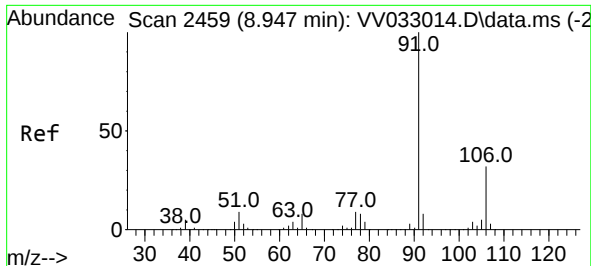
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 53.8 43.0 64.6





#52

Ethylbenzene

Concen: 49.189 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

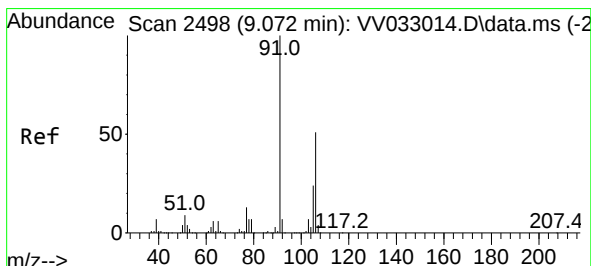
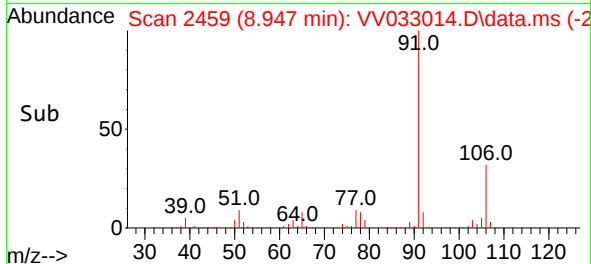
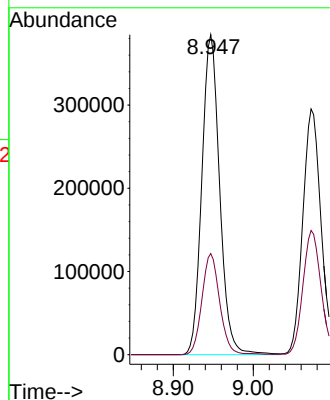
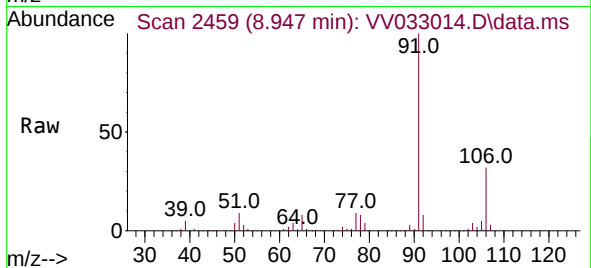
ClientSampleId :

Tgt Ion: 91 Resp: 596760

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



#53

m,p-Xylene

Concen: 49.470 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033014.D

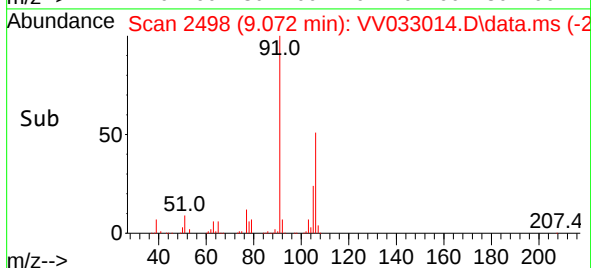
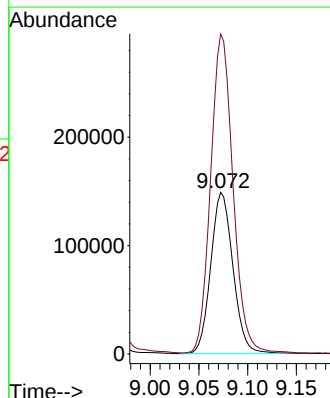
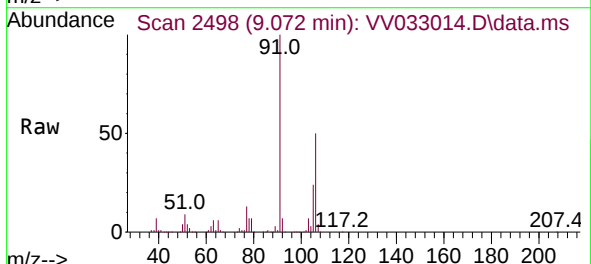
Acq: 20 Nov 2023 10:18

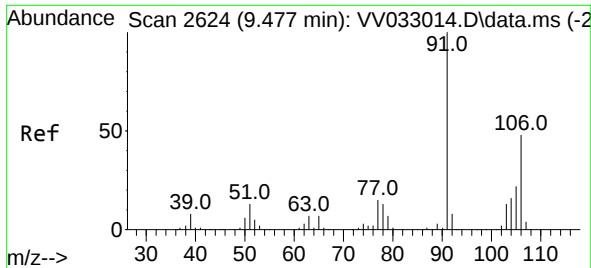
Tgt Ion: 106 Resp: 235800

Ion Ratio Lower Upper

106 100

91 198.0 138.6 257.4

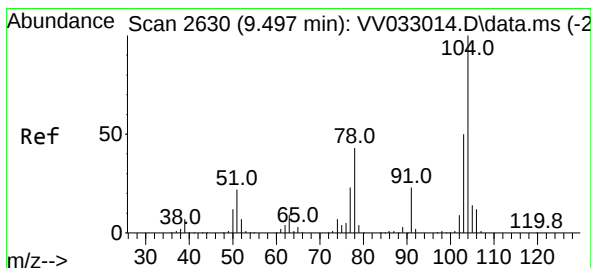
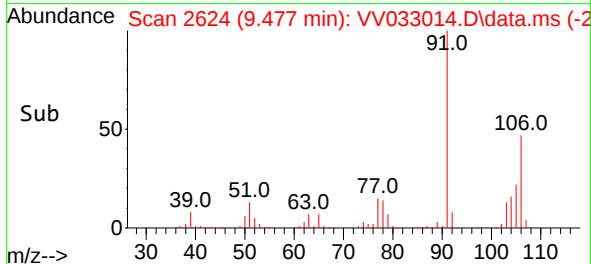
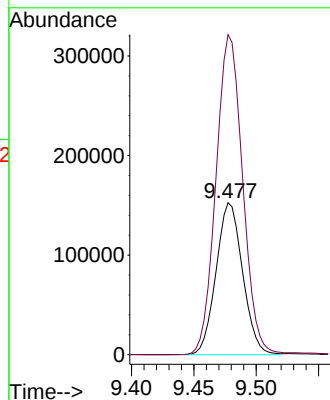
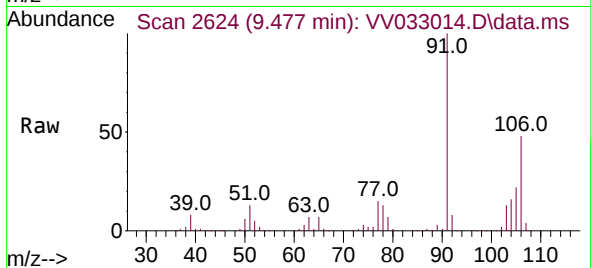




#54
o-Xylene
Concen: 49.370 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

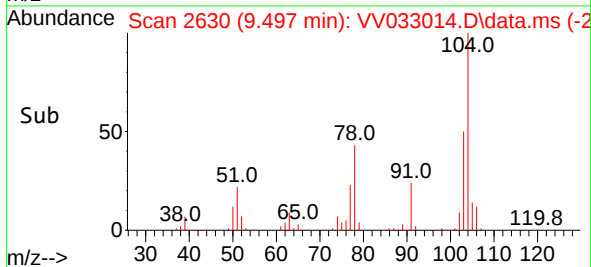
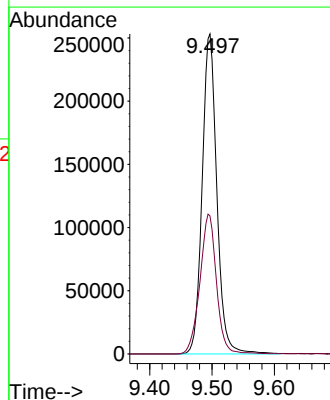
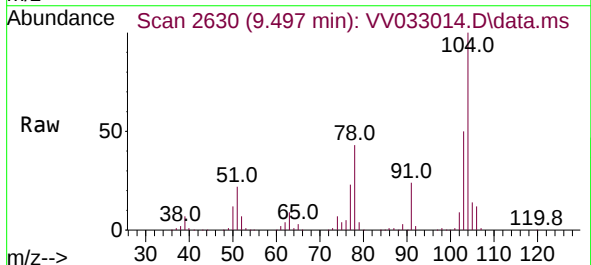
Instrument :
MSVOA_V
ClientSampleId :

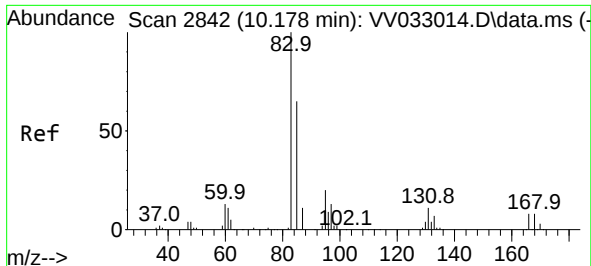
Tgt Ion:106 Resp: 226525
Ion Ratio Lower Upper
106 100
91 210.4 147.3 273.5



#55
Styrene
Concen: 50.620 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion:104 Resp: 414313
Ion Ratio Lower Upper
104 100
78 43.2 30.2 56.2

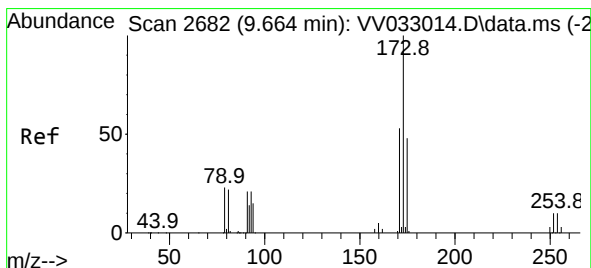
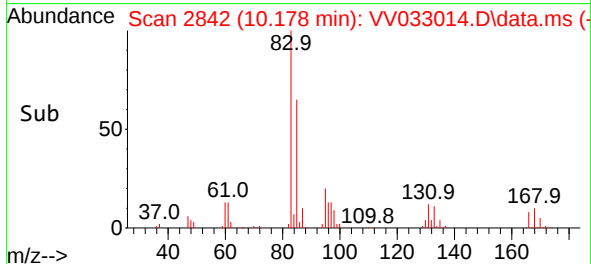
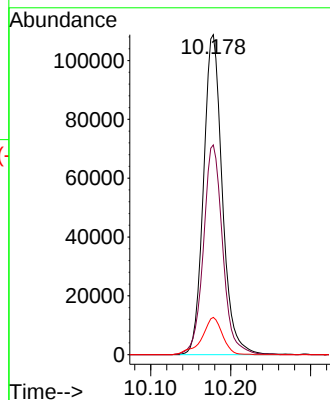
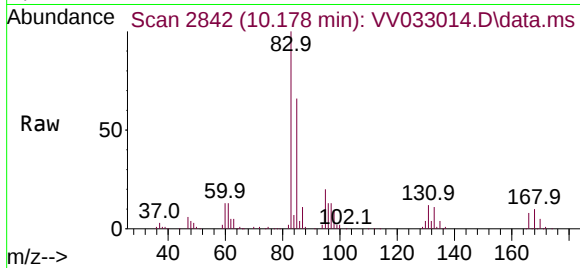




#57
1,1,2,2-Tetrachloroethane
Concen: 47.792 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

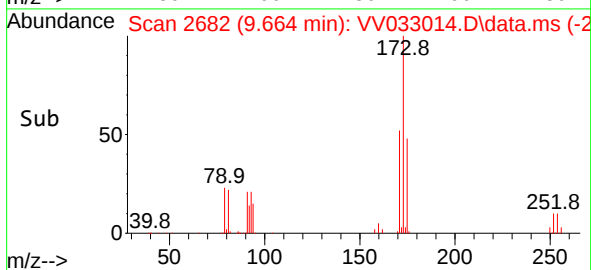
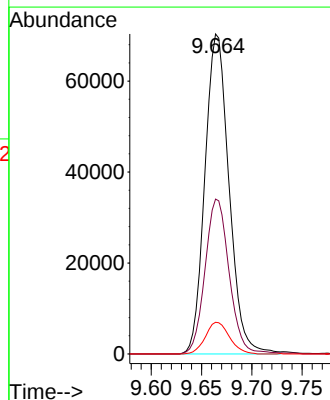
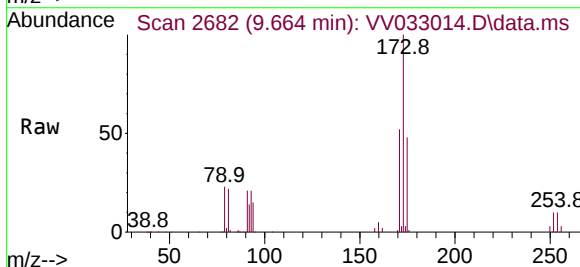
Instrument :
MSVOA_V
ClientSampleId :

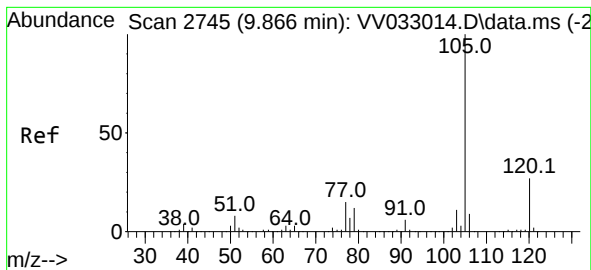
Tgt Ion: 83 Resp: 178000
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2
131 11.7 9.4 14.0



#59
Bromoform
Concen: 48.467 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion: 173 Resp: 117546
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 9.9 7.9 11.9





#60

Isopropylbenzene

Concen: 50.123 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

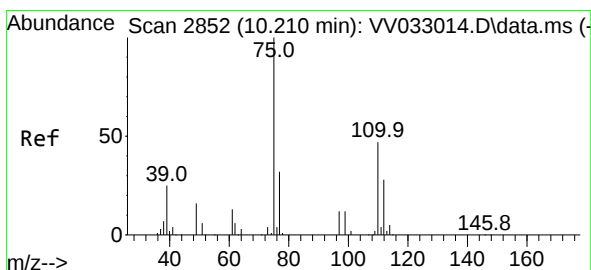
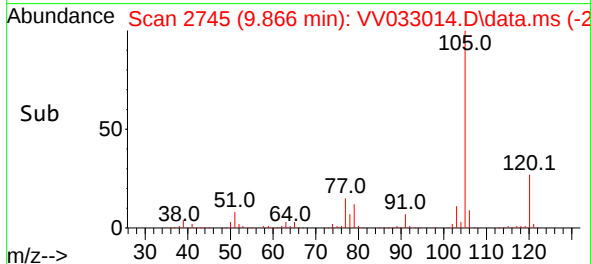
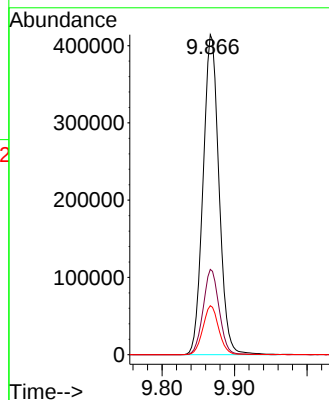
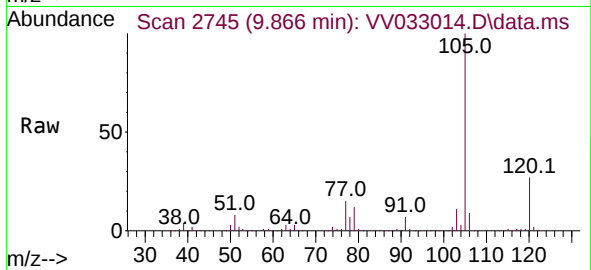
Tgt Ion:105 Resp: 632344

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.2 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 47.560 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

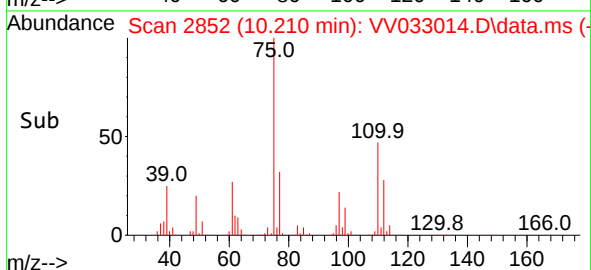
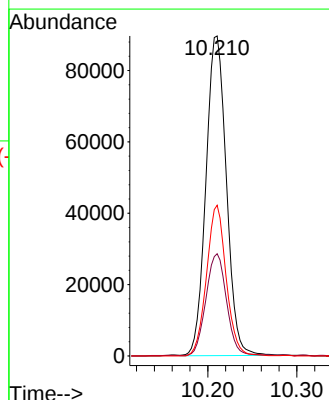
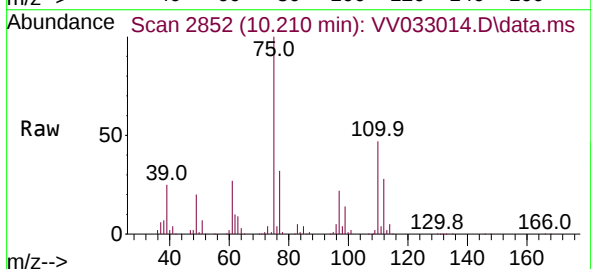
Tgt Ion: 75 Resp: 142783

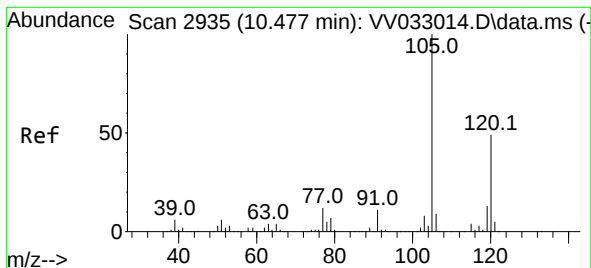
Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

110 45.3 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 49.846 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

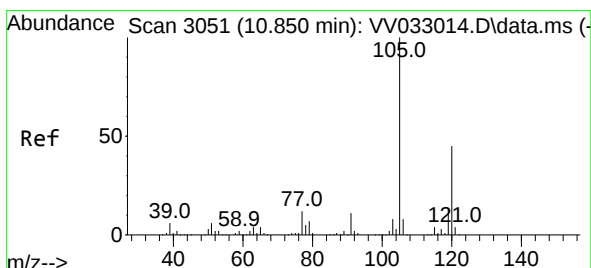
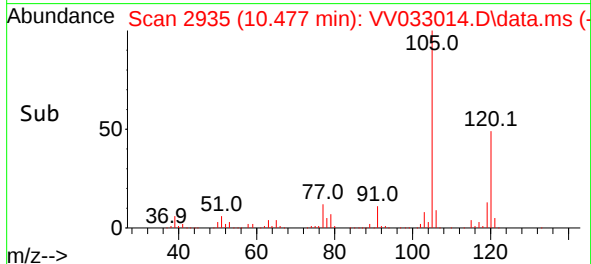
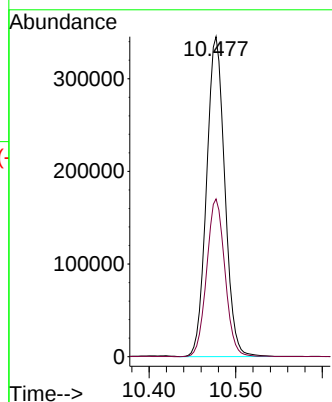
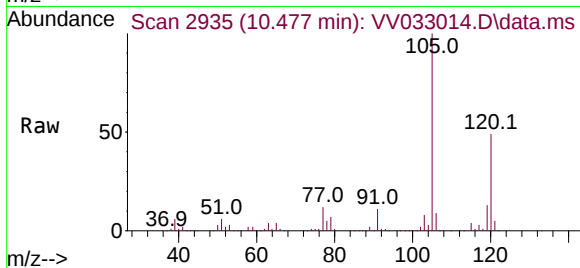
ClientSampleId :

Tgt Ion:105 Resp: 504536

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 50.333 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033014.D

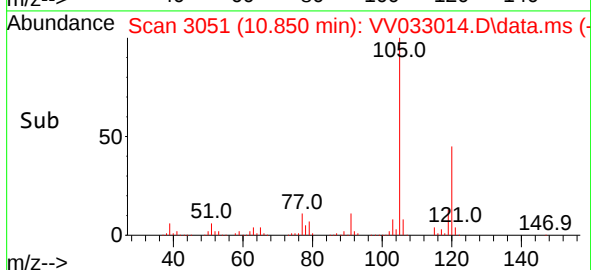
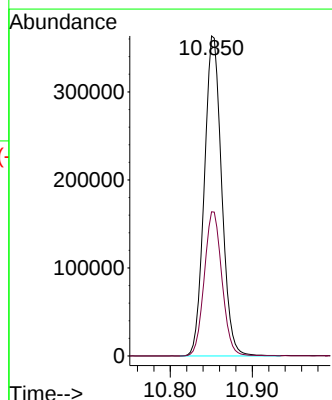
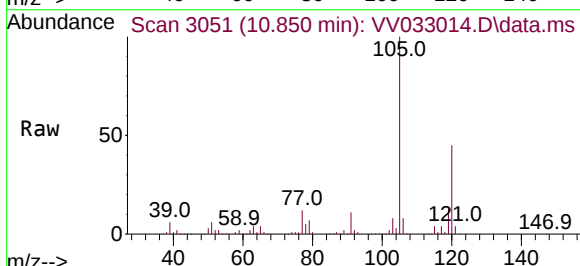
Acq: 20 Nov 2023 10:18

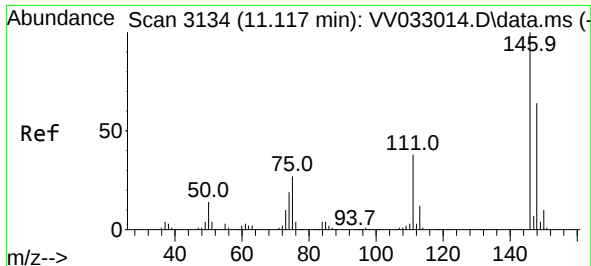
Tgt Ion:105 Resp: 533728

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1

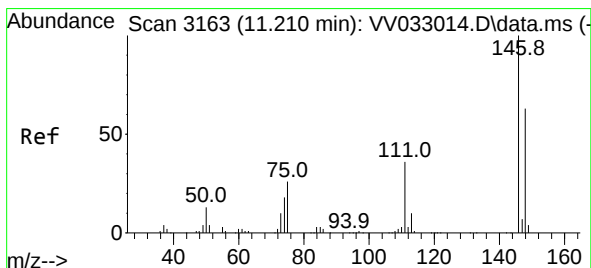
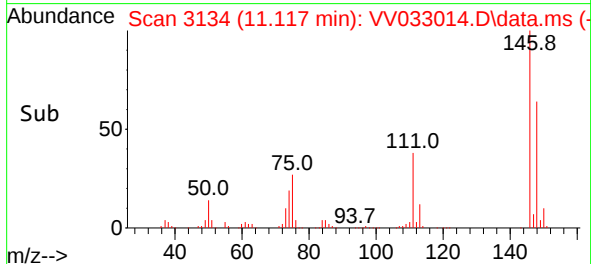
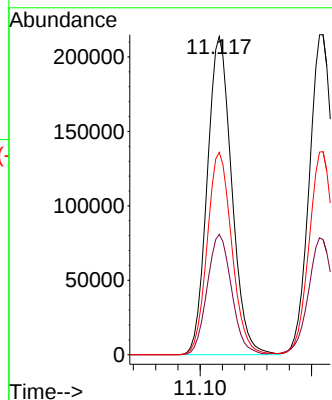
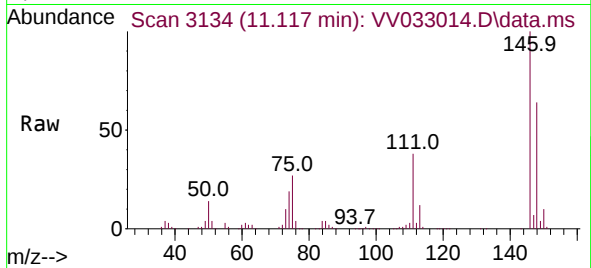




#64
1,3-Dichlorobenzene
Concen: 48.342 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

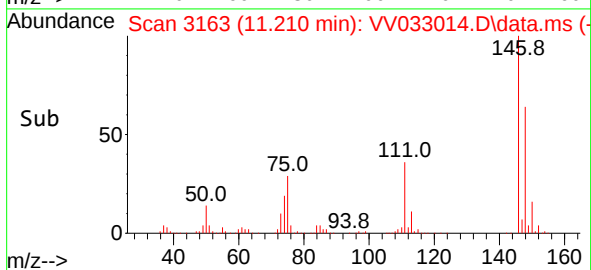
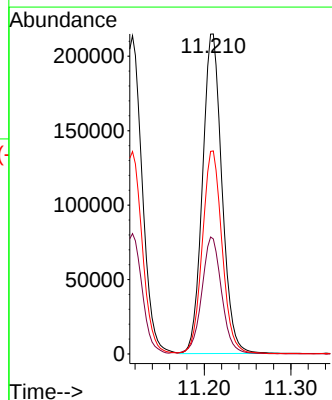
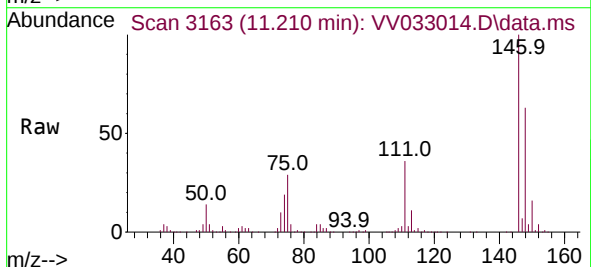
Instrument :
MSVOA_V
ClientSampleId :

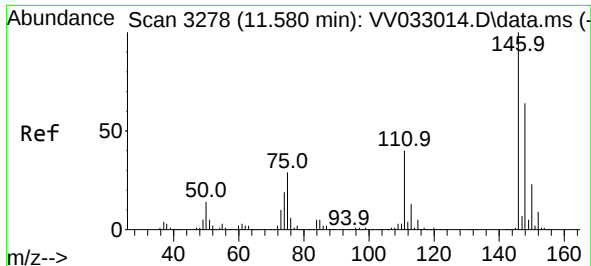
Tgt Ion:146 Resp: 326747
Ion Ratio Lower Upper
146 100
111 37.8 26.5 49.1
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 46.649 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033014.D
Acq: 20 Nov 2023 10:18

Tgt Ion:146 Resp: 335155
Ion Ratio Lower Upper
146 100
111 35.9 25.1 46.7
148 63.5 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 47.906 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

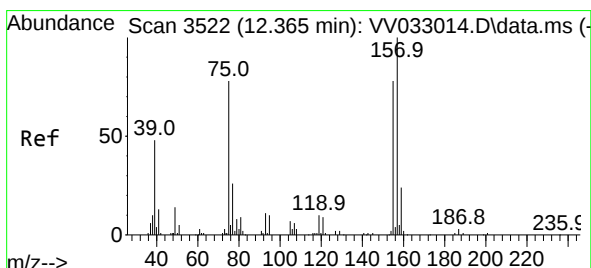
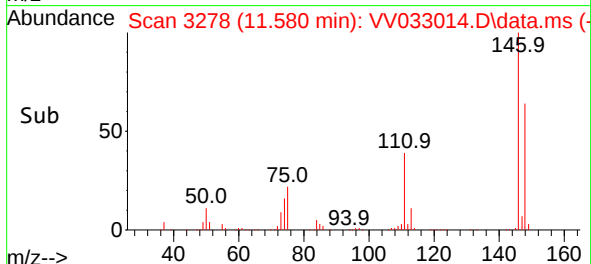
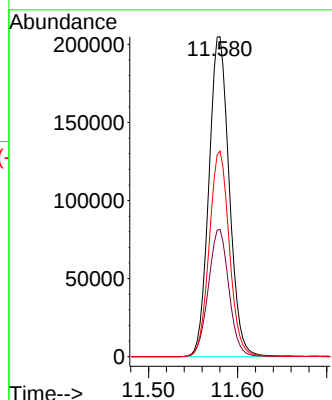
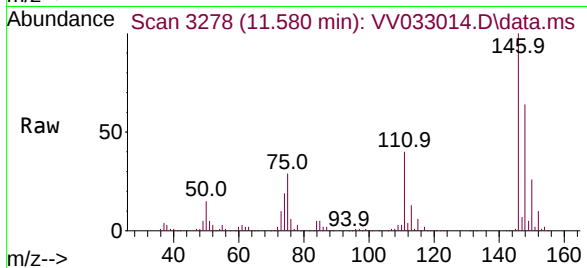
Tgt Ion:146 Resp: 324908

Ion Ratio Lower Upper

146 100

111 39.7 31.8 47.6

148 64.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 47.701 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

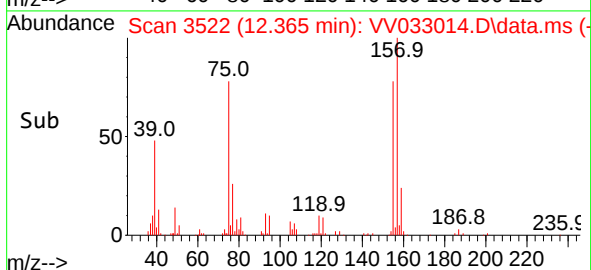
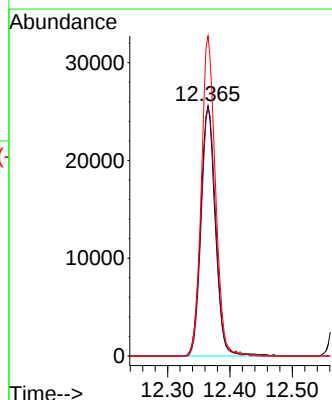
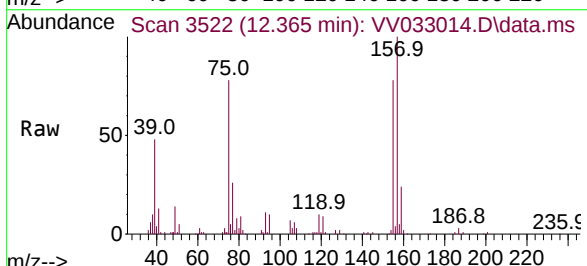
Tgt Ion: 75 Resp: 41660

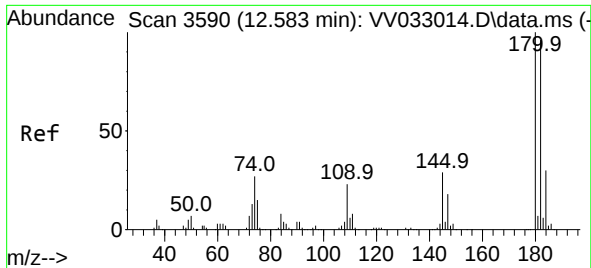
Ion Ratio Lower Upper

75 100

155 99.8 79.8 119.8

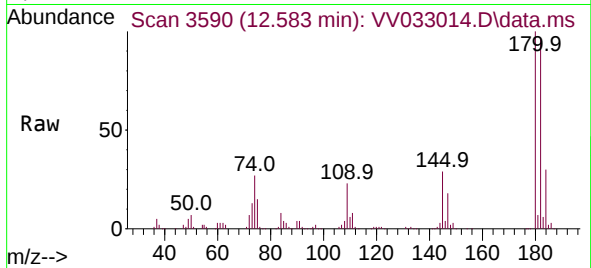
157 128.1 102.5 153.7



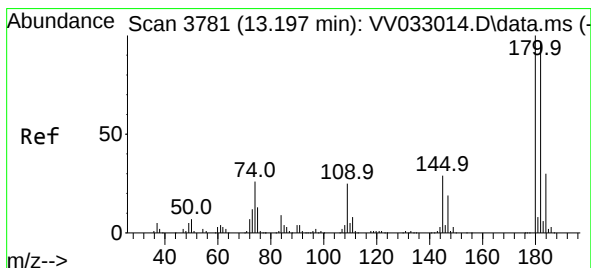
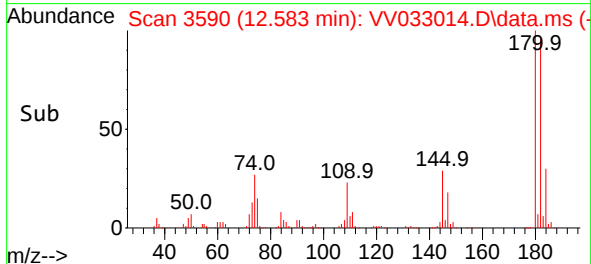
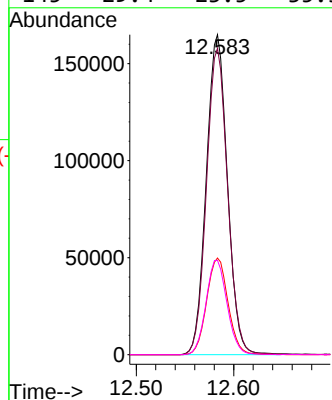


#69
 1,3,5-Trichlorobenzene
 Concen: 47.227 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV033014.D
 Acq: 20 Nov 2023 10:18

Instrument :
 MSVOA_V
 ClientSampleId :

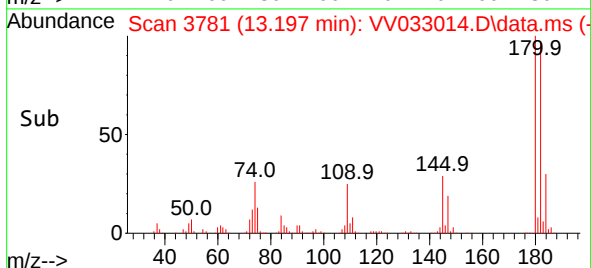
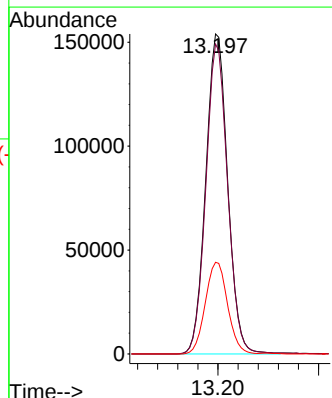
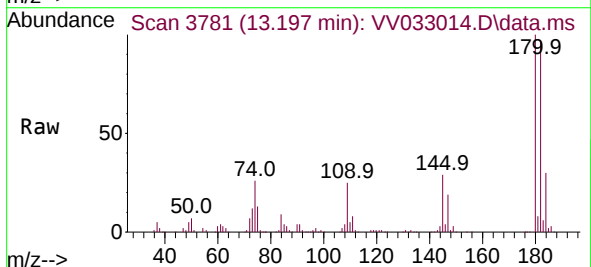


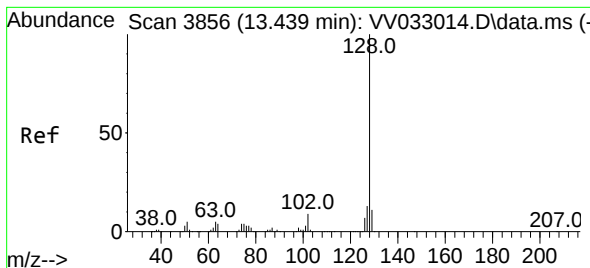
Tgt Ion:180 Resp: 248171
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 30.6 24.5 36.7
 145 29.4 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 48.476 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV033014.D
 Acq: 20 Nov 2023 10:18

Tgt Ion:180 Resp: 233451
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 29.0 23.2 34.8





#71

Naphthalene

Concen: 51.484 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Instrument :

MSVOA_V

ClientSampleId :

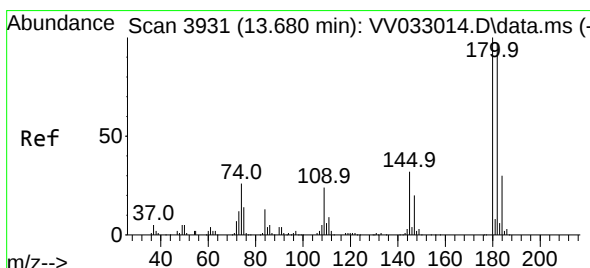
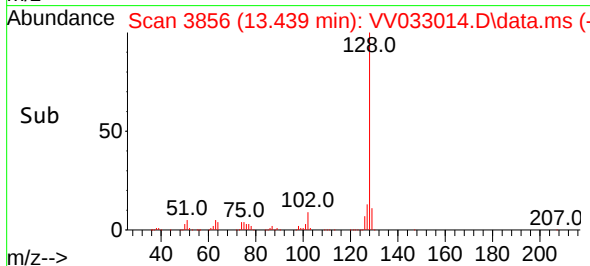
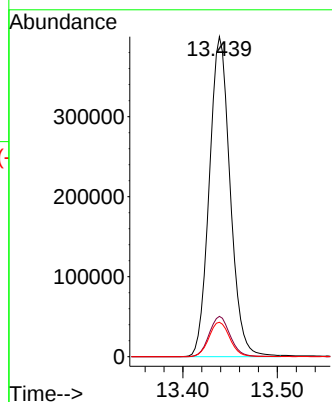
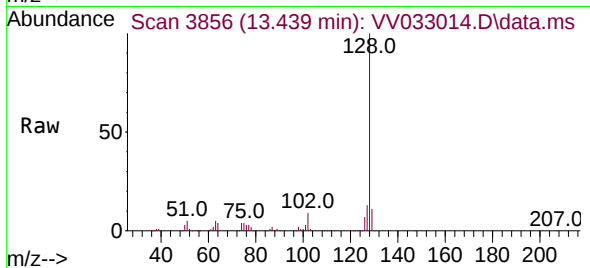
Tgt Ion:128 Resp: 613230

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.039 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033014.D

Acq: 20 Nov 2023 10:18

Tgt Ion:180 Resp: 233635

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 31.9 25.5 38.3

