

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033012.D
 Acq On : 20 Nov 2023 09:31
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:11:48 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	5.532	114	320863	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	326058	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	179296	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8652	5.157	ug/L	0.00
7) Chloroethane-d5	1.532	69	6859	5.316	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3803	5.540	ug/L	0.00
21) 2-Butanone-d5	3.815	46	6251	5.937	ug/L	0.03
24) Chloroform-d	4.249	84	20825	5.037	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	12969	5.029	ug/L	0.00
32) Benzene-d6	4.963	84	37812	4.980	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	10932	5.077	ug/L	0.00
41) Toluene-d8	7.246	98	33839	4.668	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	5732	4.560	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	6439	7.314	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	15515	4.734	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	16712	5.227	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	21404	6.175	ug/L	98
3) Chloromethane	1.217	50	15382	5.946	ug/L	98
5) Vinyl chloride	1.285	62	14059	5.858	ug/L	95
6) Bromomethane	1.487	94	9532	6.011	ug/L	93
8) Chloroethane	1.548	64	7932	5.976	ug/L	96
9) Trichlorofluoromethane	1.716	101	23665	6.091	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	11822	6.171	ug/L	99
12) 1,1-Dichloroethene	2.073	96	10546	5.962	ug/L	81
13) Acetone	2.111	43	12648	12.111	ug/L	97
14) Carbon disulfide	2.243	76	35008	5.951	ug/L	99
15) Methyl Acetate	2.378	43	9966	5.443	ug/L	97
16) Methylene chloride	2.446	84	15685	6.259	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	12952	5.722	ug/L	93
18) Methyl tert-butyl Ether	2.700	73	36917	5.199	ug/L	98
19) 1,1-Dichloroethane	3.111	63	23449	5.799	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	13999	5.516	ug/L	90
22) 2-Butanone	4.027	43	114	0.085	ug/L	78
23) Bromochloromethane	4.156	128	7573	5.425	ug/L	95
25) Chloroform	4.275	83	26163	5.749	ug/L	95
27) 1,2-Dichloroethane	5.047	62	19729	5.557	ug/L	96
29) Cyclohexane	4.577	56	16686	5.304	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	24415	5.733	ug/L	99
31) Carbon tetrachloride	4.738	117	22932	5.778	ug/L	97
33) Benzene	5.011	78	48466	5.344	ug/L	100
34) Trichloroethene	5.834	95	14166	5.542	ug/L	95
35) Methylcyclohexane	6.047	83	20211	5.440	ug/L	99
37) 1,2-Dichloropropane	6.095	63	12042	5.409	ug/L	# 85
38) Bromodichloromethane	6.436	83	19582	5.662	ug/L	96
39) cis-1,3-Dichloropropene	6.957	75	19772	5.159	ug/L	95
40) 4-Methyl-2-pentanone	7.159	43	22938	9.420	ug/L	98
42) Toluene	7.317	91	52696	5.244	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	19200	4.986	ug/L	98

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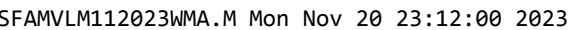
Instrument :
 MSVOA_V
 ClientSampleId :

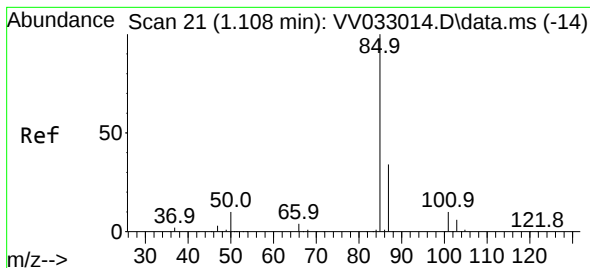
Quant Time: Nov 20 23:11:48 2023
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	13706	5.467	ug/L	96
46) Tetrachloroethene	7.905	164	12241	5.495	ug/L	96
48) 2-Hexanone	8.082	43	16723	8.681	ug/L	93
49) Dibromochloromethane	8.178	129	15358	5.315	ug/L	96
50) 1,2-Dibromoethane	8.285	107	13843	5.272	ug/L	95
51) Chlorobenzene	8.815	112	40327	5.655	ug/L	99
52) Ethylbenzene	8.947	91	59178	5.130	ug/L	98
53) m,p-Xylene	9.076	106	23602	5.207	ug/L	92
54) o-Xylene	9.477	106	21661	4.965	ug/L	95
55) Styrene	9.497	104	37420	4.808	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	17938	5.065	ug/L	99
59) Bromoform	9.667	173	11189	5.355	ug/L #	98
60) Isopropylbenzene	9.866	105	57170	5.260	ug/L	96
61) 1,2,3-Trichloropropane	10.211	75	14610	5.649	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	45210	5.184	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	46761	5.118	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	32928	5.654	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	36748	5.937	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	33519	5.736	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	3812	5.066	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	24977	5.517	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	21758	5.244	ug/L	98
71) Naphthalene	13.442	128	45127	4.397	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	20267	5.038	ug/L	99

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

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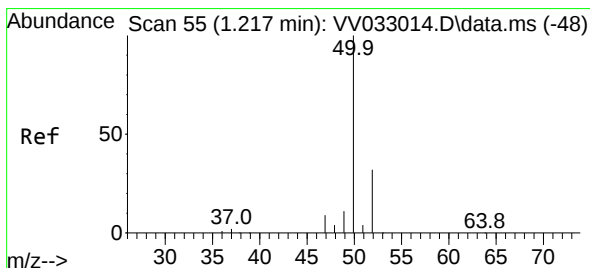
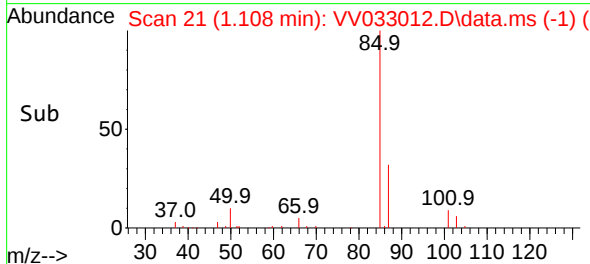
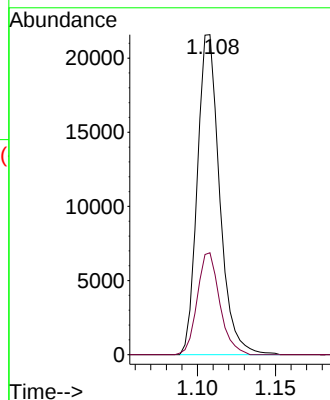
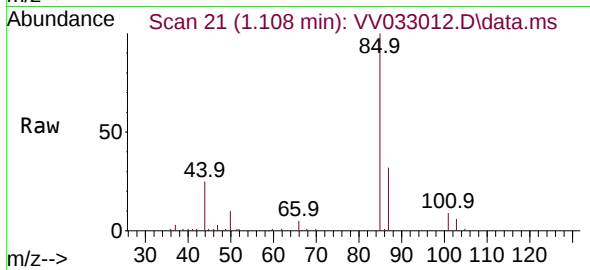




#2
Dichlorodifluoromethane
Concen: 6.175 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

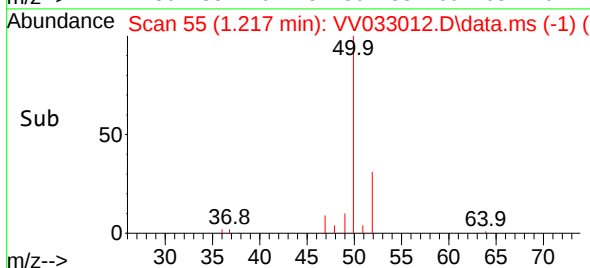
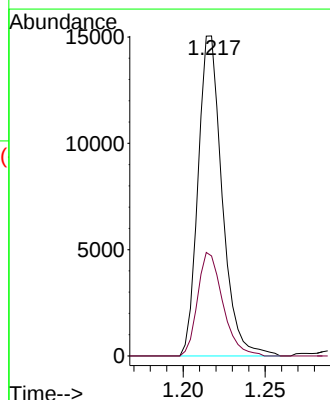
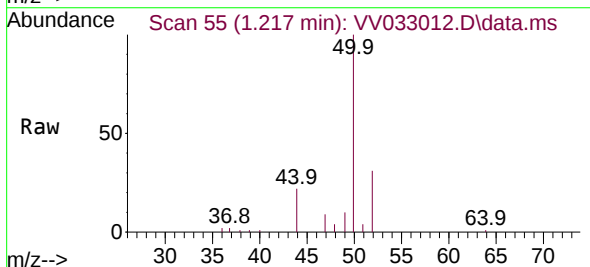
Instrument :
MSVOA_V
ClientSampleId :

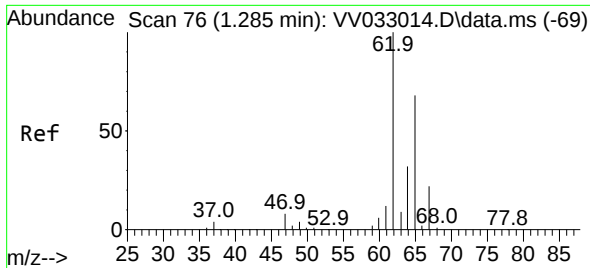
Tgt Ion: 85 Resp: 21404
Ion Ratio Lower Upper
85 100
87 32.2 26.8 40.2



#3
Chloromethane
Concen: 5.946 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 50 Resp: 15382
Ion Ratio Lower Upper
50 100
52 31.2 22.7 42.3

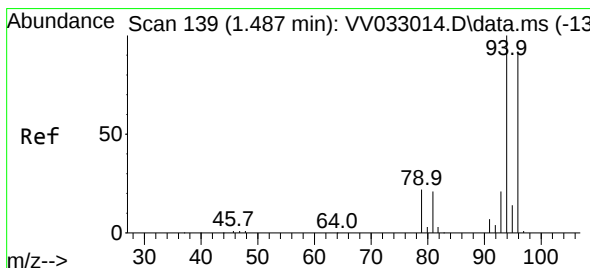
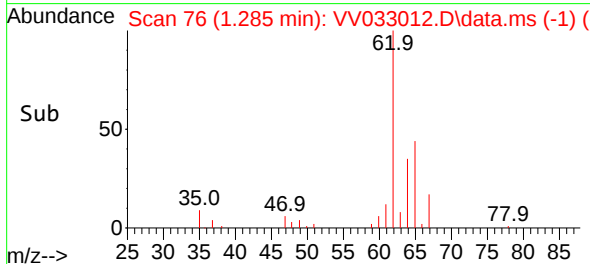
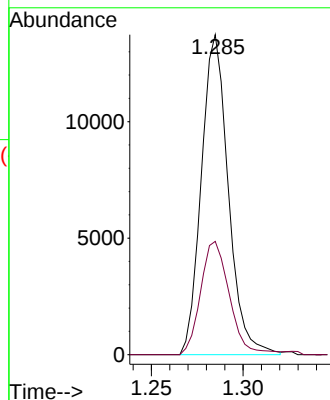
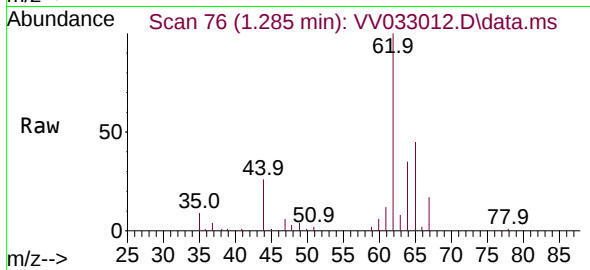




#5
 Vinyl chloride
 Concen: 5.858 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033012.D
 Acq: 20 Nov 2023 09:31

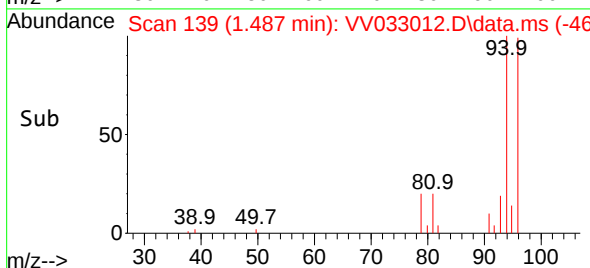
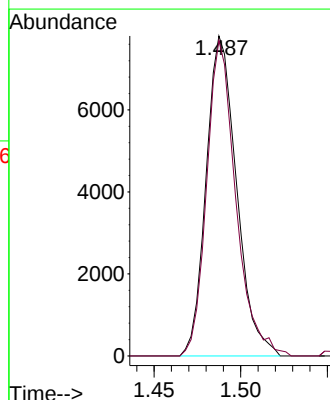
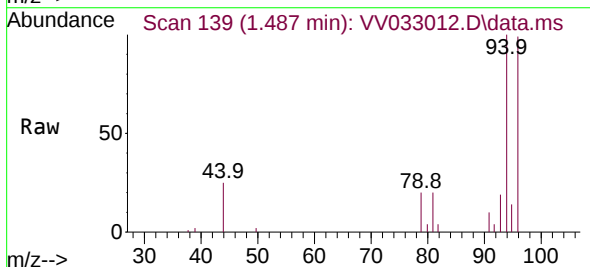
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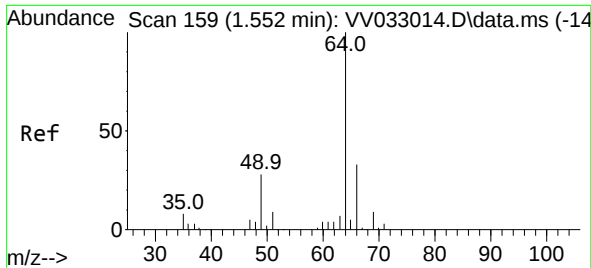
Tgt Ion: 62 Resp: 14059
 Ion Ratio Lower Upper
 62 100
 64 35.4 22.7 42.1



#6
 Bromomethane
 Concen: 6.011 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV033012.D
 Acq: 20 Nov 2023 09:31

Tgt Ion: 94 Resp: 9532
 Ion Ratio Lower Upper
 94 100
 96 98.6 64.4 119.6

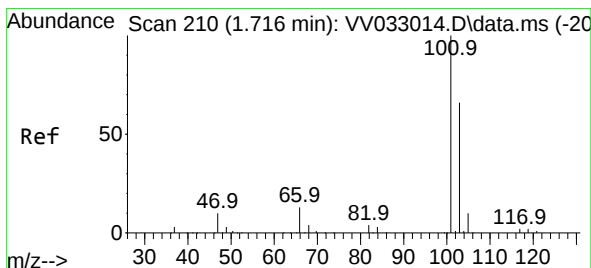
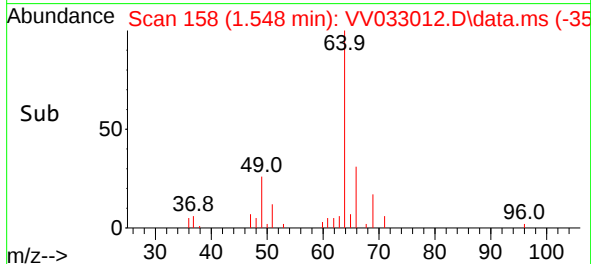
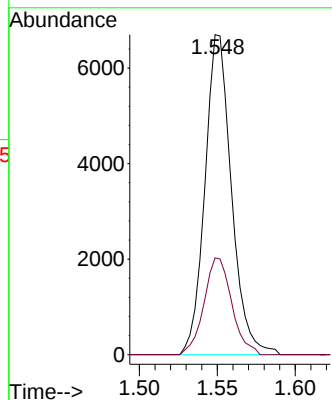
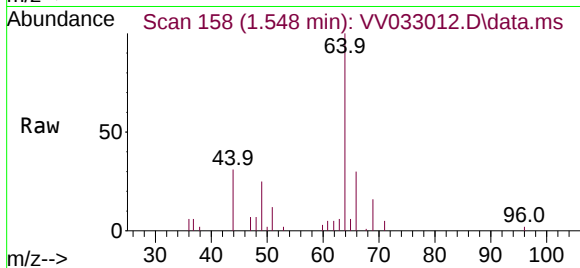




#8
Chloroethane
Concen: 5.976 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

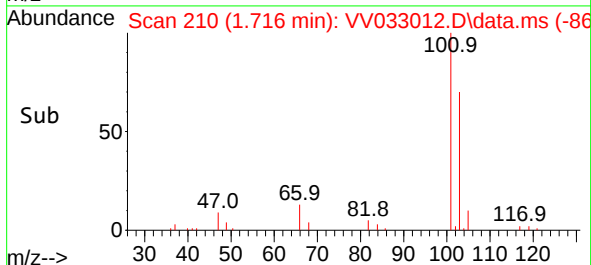
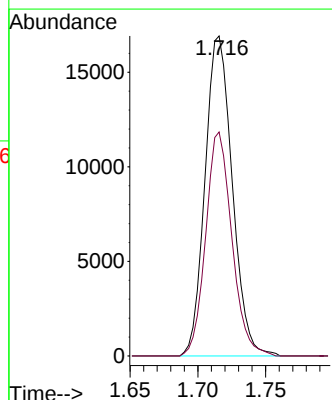
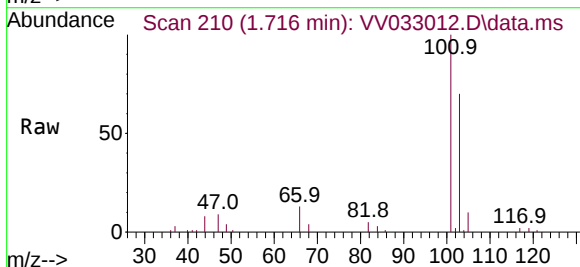
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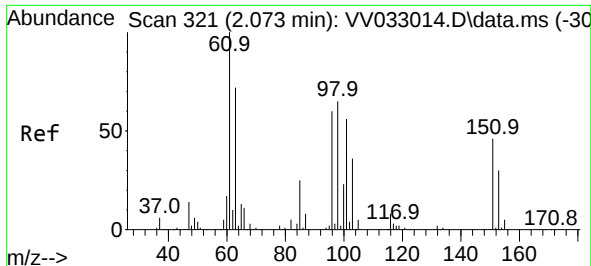
Tgt Ion: 64 Resp: 7932
Ion Ratio Lower Upper
64 100
66 30.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 6.091 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 101 Resp: 23665
Ion Ratio Lower Upper
101 100
103 67.2 52.1 78.1





#10

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

Concen: 6.171 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

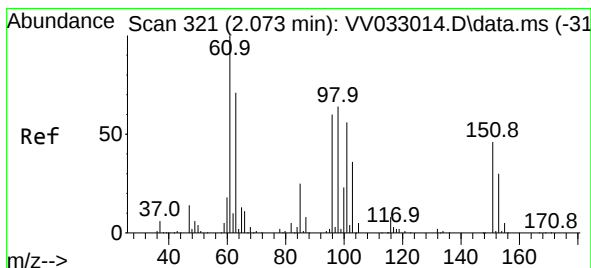
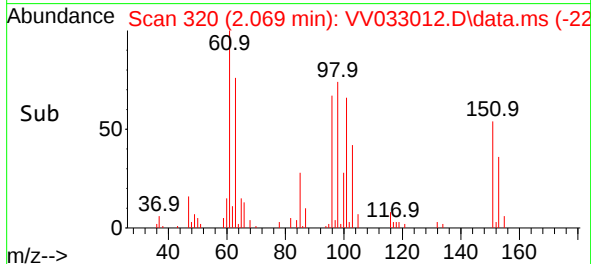
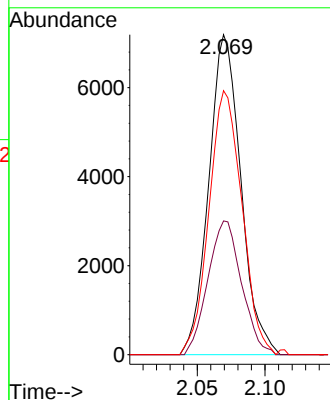
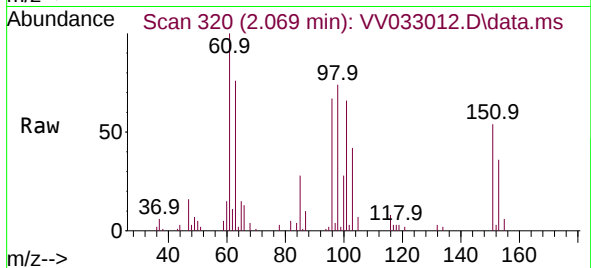
Tgt Ion:101 Resp: 11822

Ion Ratio Lower Upper

101 100

85 43.8 35.5 53.3

151 84.7 67.0 100.4



#12

1,1-Dichloroethene

Concen: 5.962 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

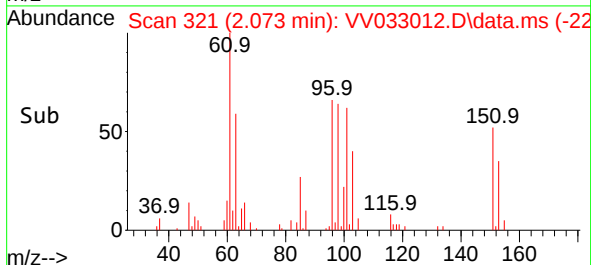
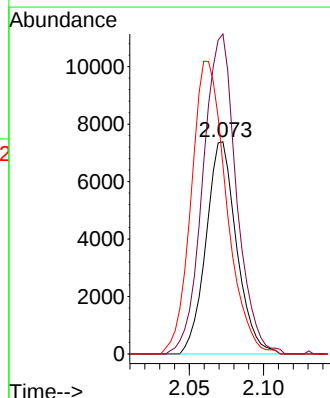
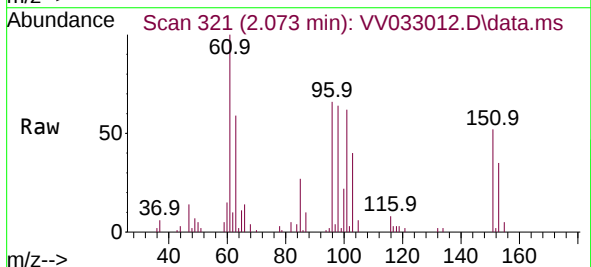
Tgt Ion: 96 Resp: 10546

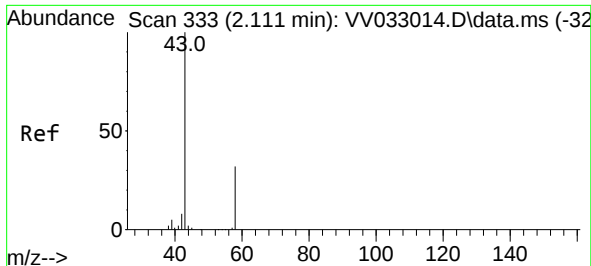
Ion Ratio Lower Upper

96 100

61 150.9 116.6 216.6

63 89.1 84.8 157.4





#13

Acetone

Concen: 12.111 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

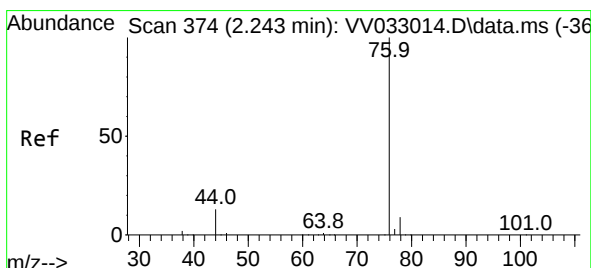
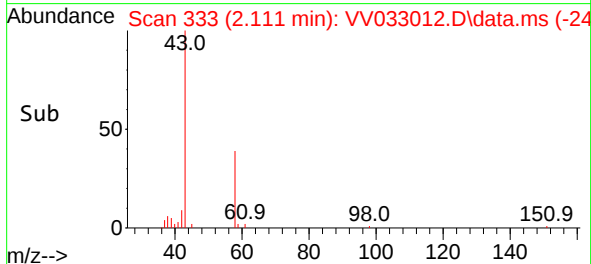
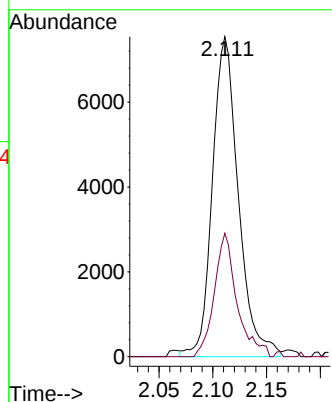
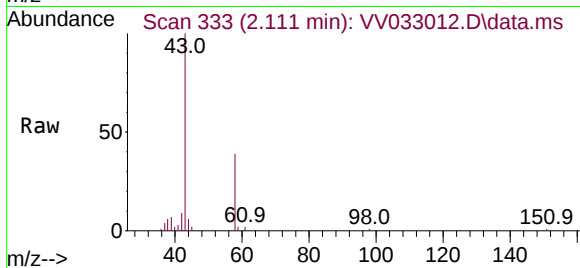
ClientSampleId :

Tgt Ion: 43 Resp: 12648

Ion Ratio Lower Upper

43 100

58 32.8 0.0 62.6



#14

Carbon disulfide

Concen: 5.951 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033012.D

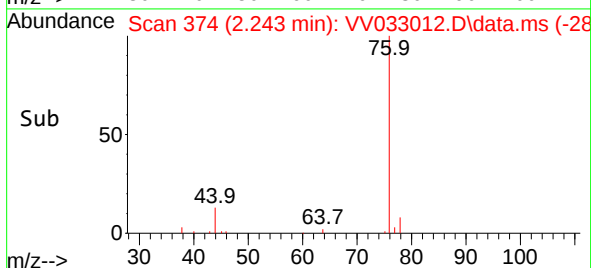
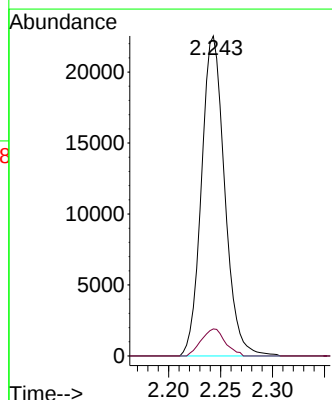
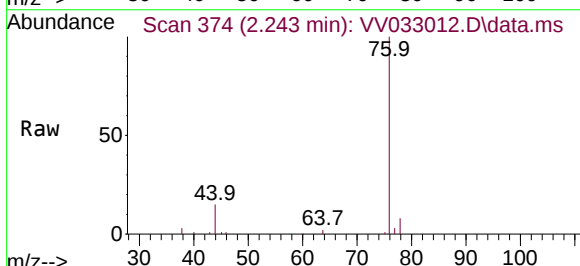
Acq: 20 Nov 2023 09:31

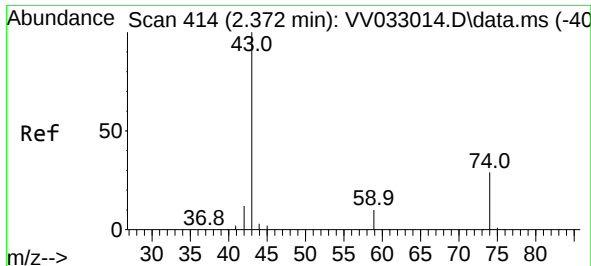
Tgt Ion: 76 Resp: 35008

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4

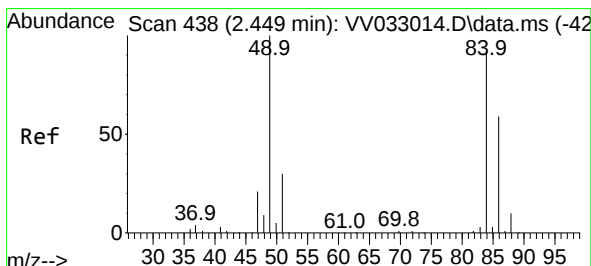
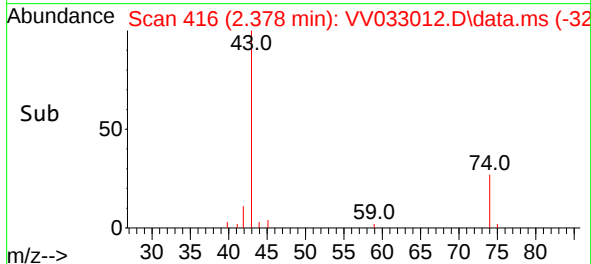
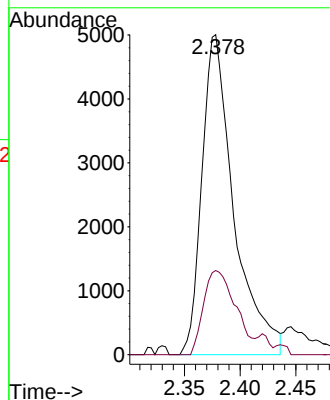
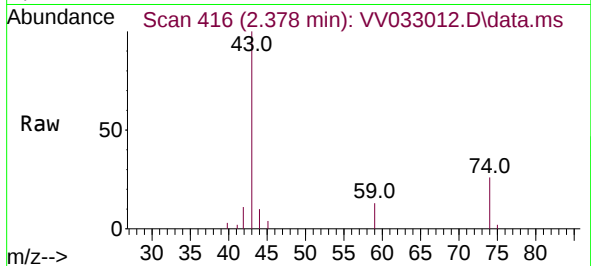




#15
Methyl Acetate
Concen: 5.443 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

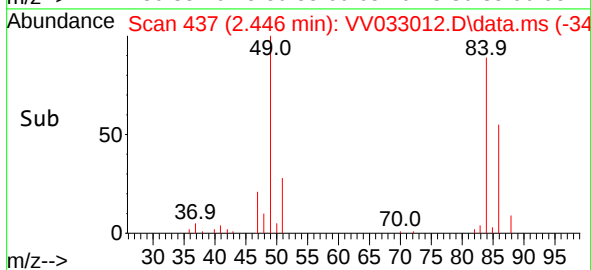
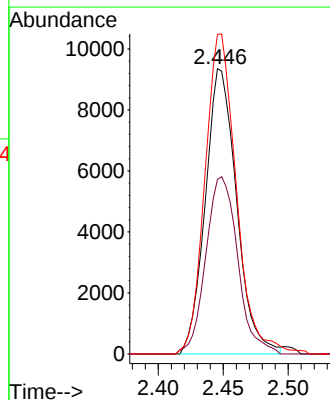
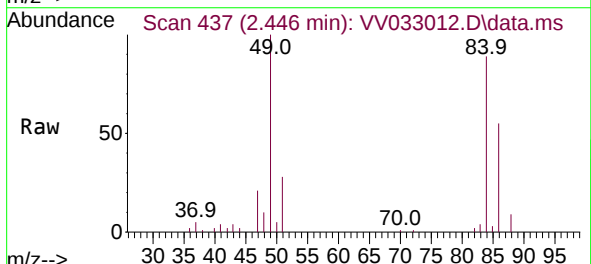
Instrument :
MSVOA_V
ClientSampleId :

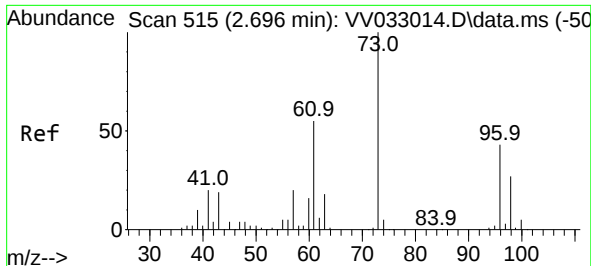
Tgt Ion: 43 Resp: 9966
Ion Ratio Lower Upper
43 100
74 26.6 22.7 34.1



#16
Methylene chloride
Concen: 6.259 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 84 Resp: 15685
Ion Ratio Lower Upper
84 100
86 61.2 44.7 83.1
49 112.0 76.6 142.3





#17

trans-1,2-Dichloroethene

Concen: 5.722 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

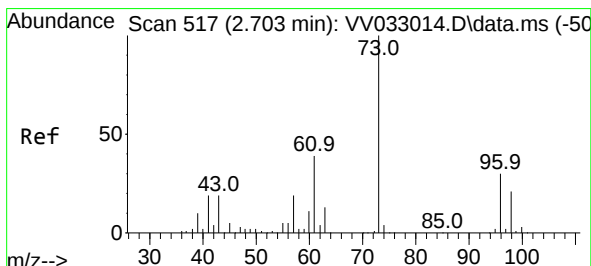
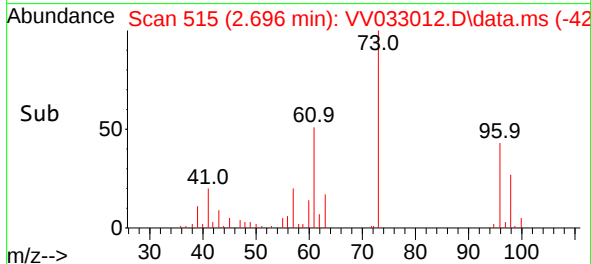
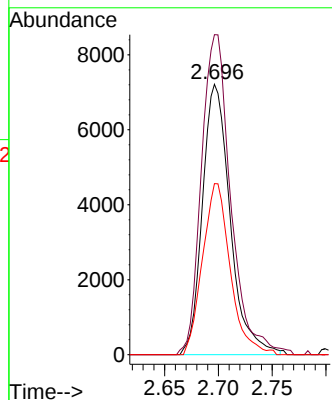
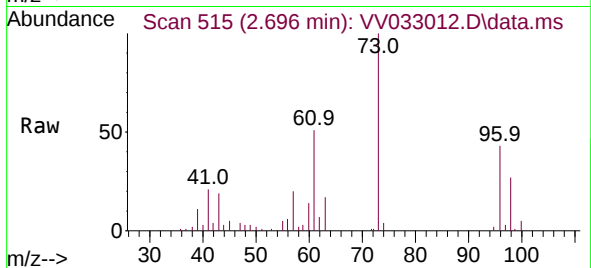
Tgt Ion: 96 Resp: 12952

Ion Ratio Lower Upper

96 100

61 118.3 89.5 166.3

98 64.9 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 5.199 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

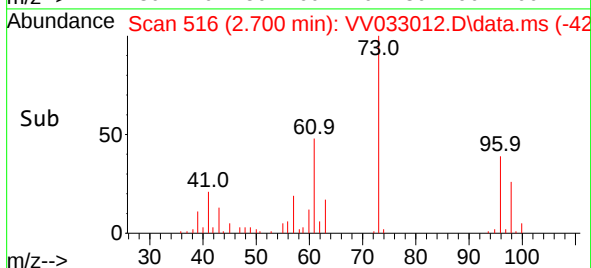
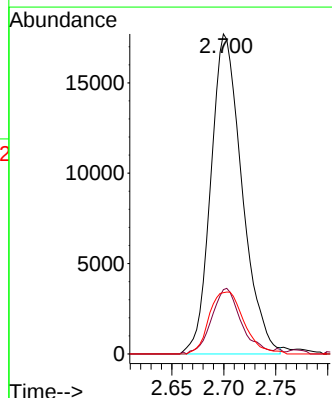
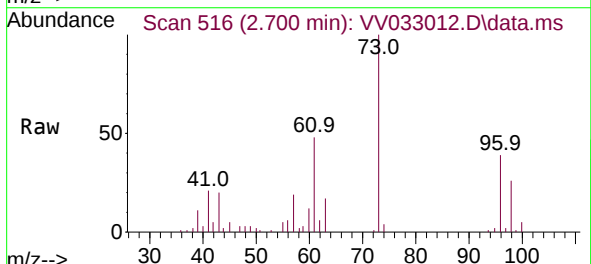
Tgt Ion: 73 Resp: 36917

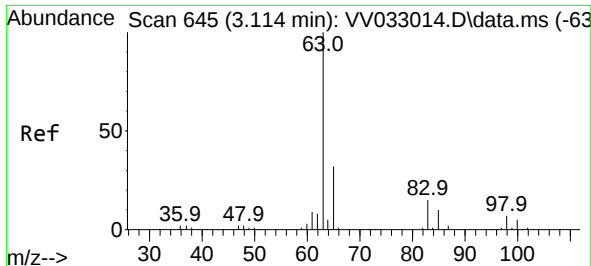
Ion Ratio Lower Upper

73 100

43 19.4 15.2 22.8

57 21.4 15.8 23.8





#19

1,1-Dichloroethane

Concen: 5.799 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

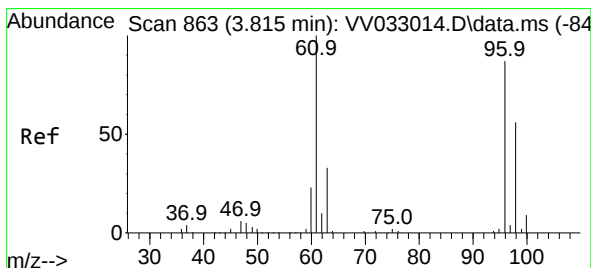
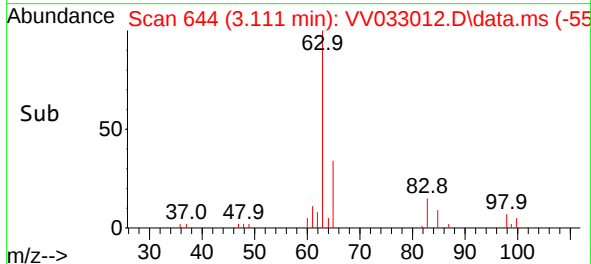
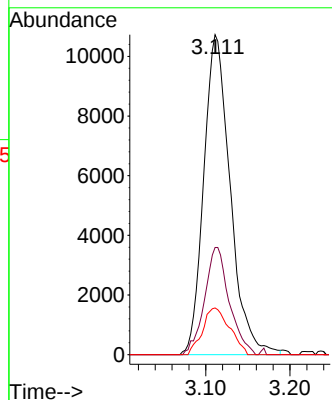
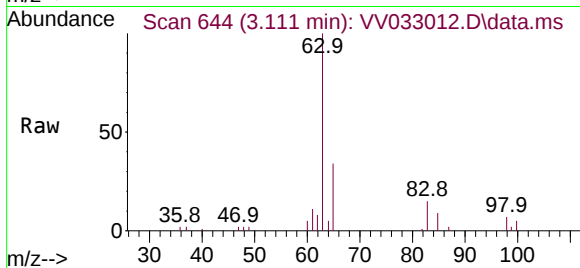
Tgt Ion: 63 Resp: 23449

Ion Ratio Lower Upper

63 100

65 33.5 22.4 41.6

83 14.6 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 5.516 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

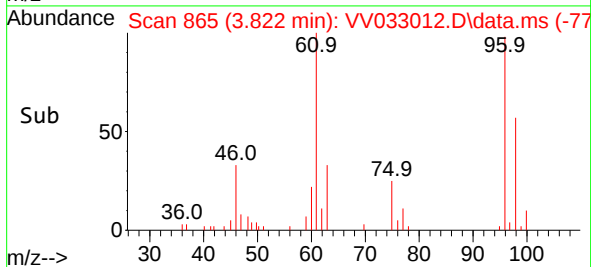
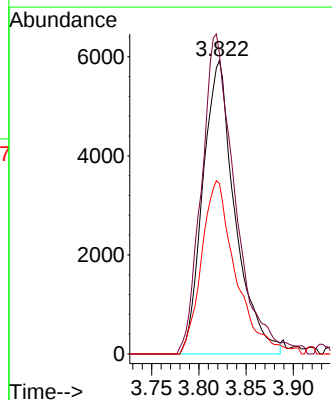
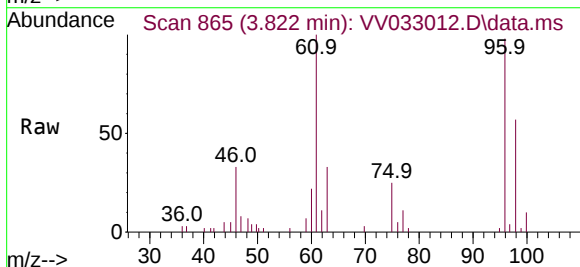
Tgt Ion: 96 Resp: 13999

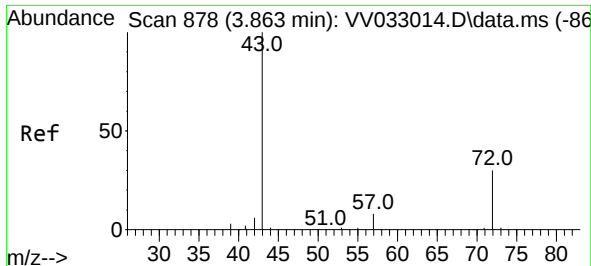
Ion Ratio Lower Upper

96 100

61 102.4 80.2 149.0

98 58.1 45.1 83.7

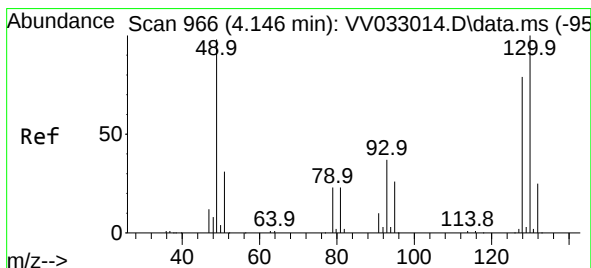
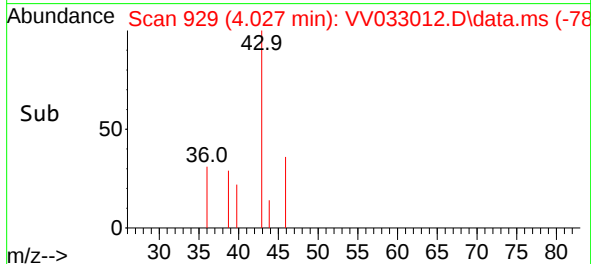
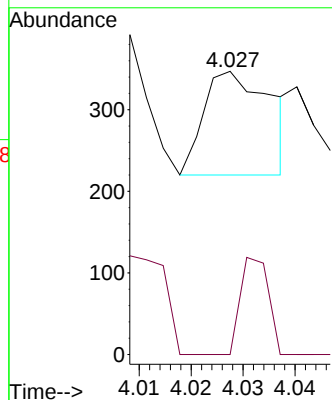
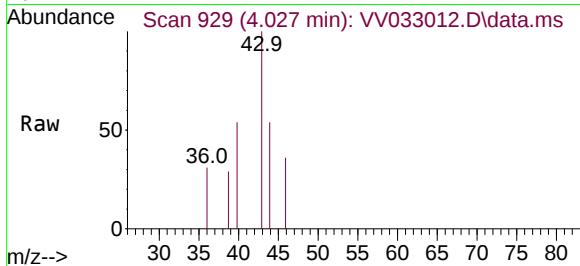




#22
2-Butanone
Concen: 0.085 ug/L
RT: 4.027 min Scan# 911
Delta R.T. 0.164 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

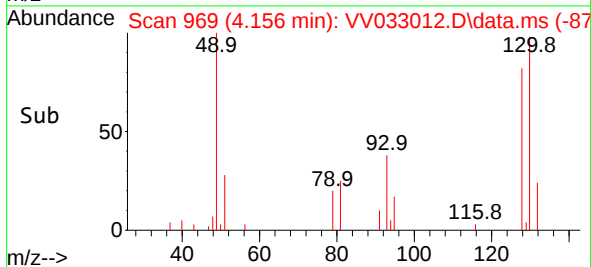
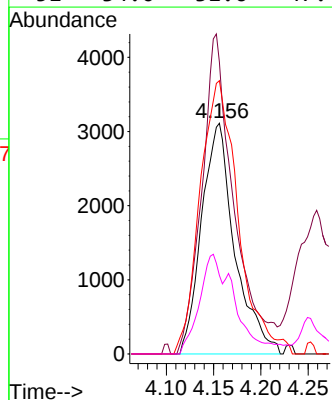
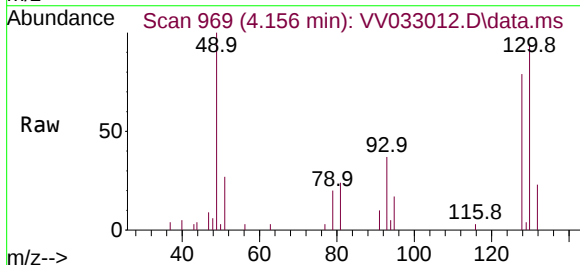
Instrument :
MSVOA_V
ClientSampleId :

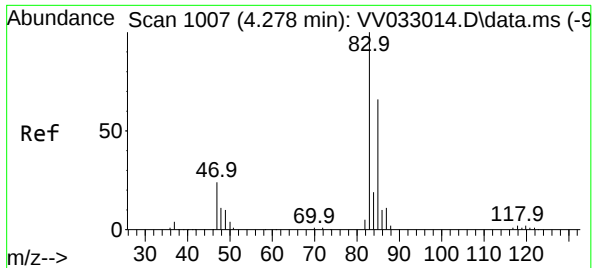
Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
72 39.5 13.9 41.7



#23
Bromochloromethane
Concen: 5.425 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.010 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 128 Resp: 7573
Ion Ratio Lower Upper
128 100
49 126.5 87.1 161.7
130 118.4 88.1 163.5
51 34.0 31.6 47.4

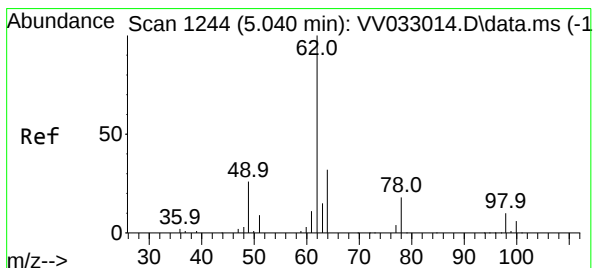
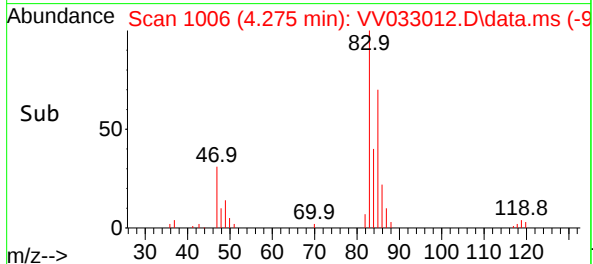
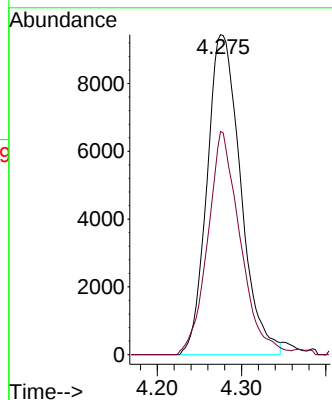
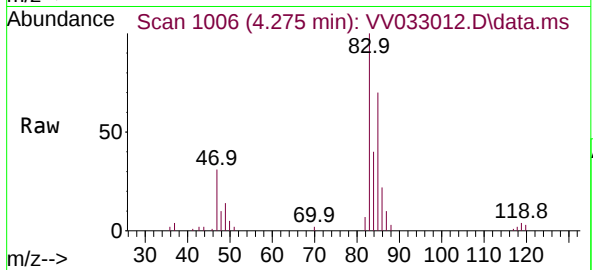




#25
Chloroform
Concen: 5.749 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

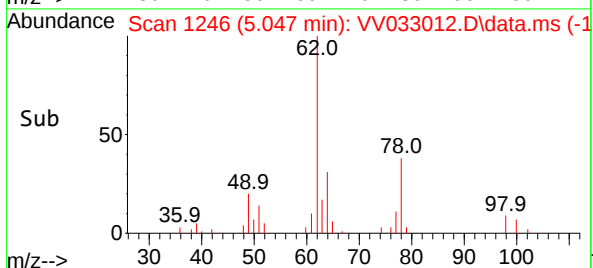
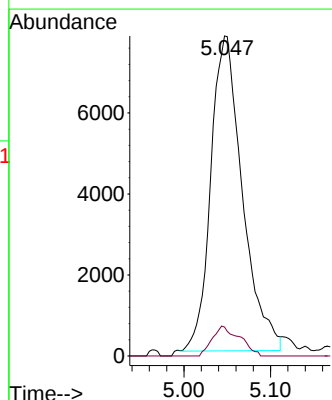
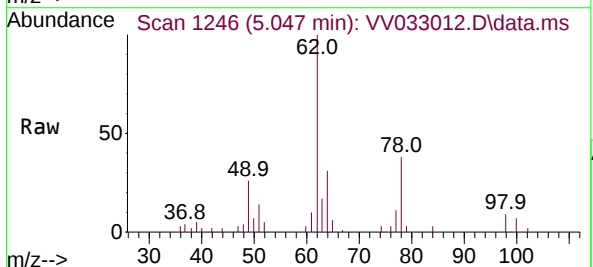
Instrument :
MSVOA_V
ClientSampleId :

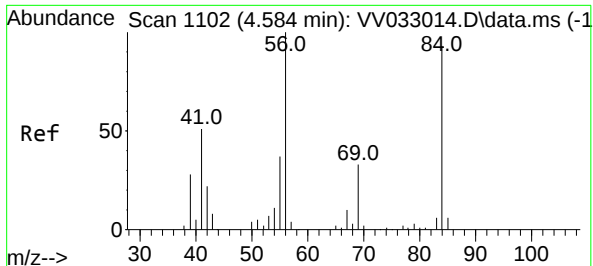
Tgt Ion: 83 Resp: 26163
Ion Ratio Lower Upper
83 100
85 69.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.557 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 62 Resp: 19729
Ion Ratio Lower Upper
62 100
98 9.1 8.3 12.5





#29

Cyclohexane

Concen: 5.304 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.006 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

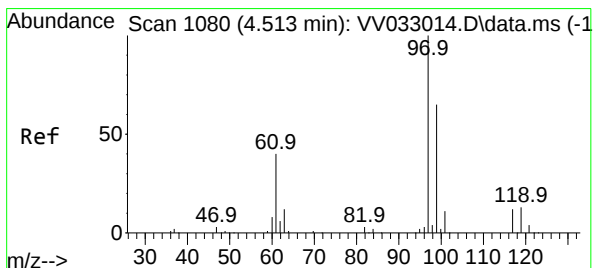
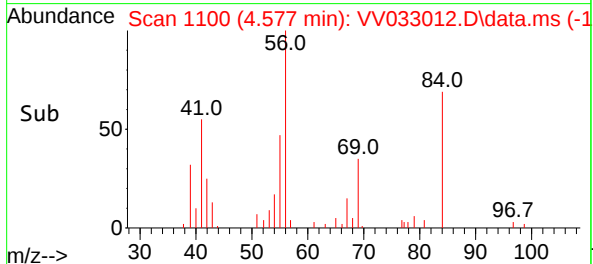
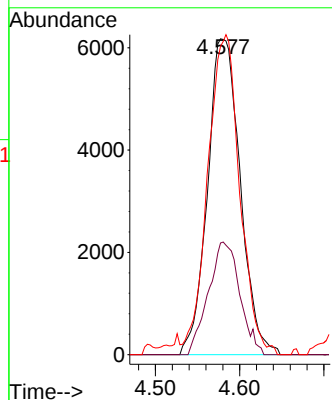
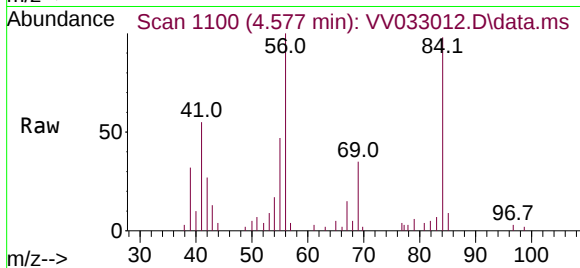
Tgt Ion: 56 Resp: 16686

Ion Ratio Lower Upper

56 100

69 33.0 26.7 40.1

84 98.4 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 5.733 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

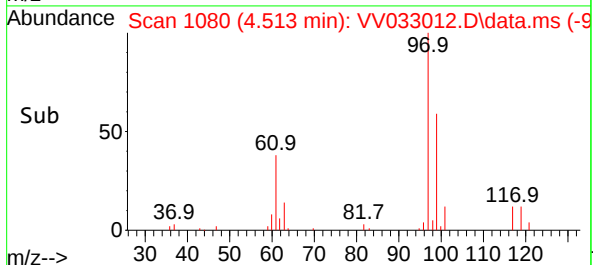
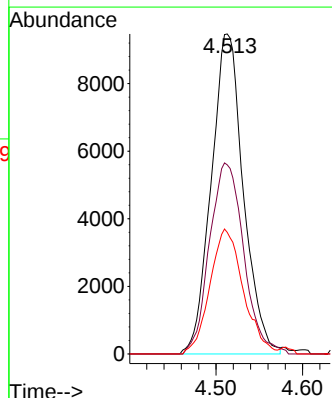
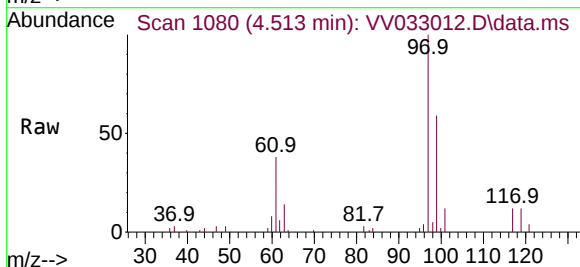
Tgt Ion: 97 Resp: 24415

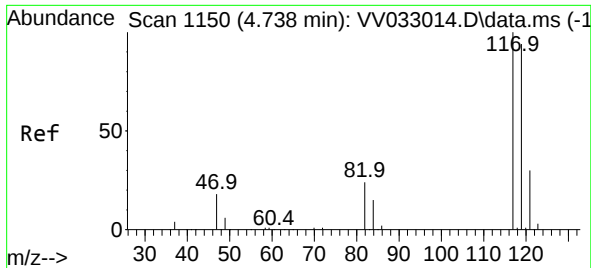
Ion Ratio Lower Upper

97 100

99 63.6 51.2 76.8

61 40.5 32.1 48.1

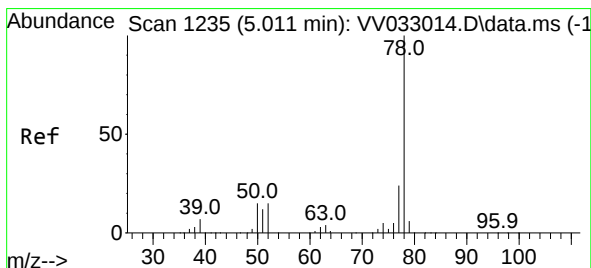
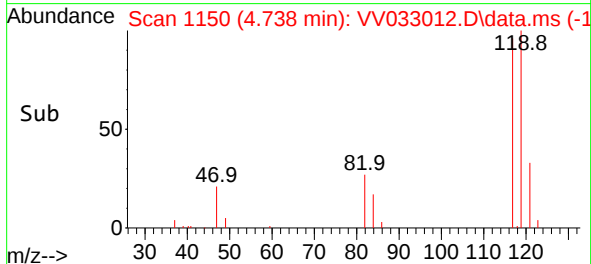
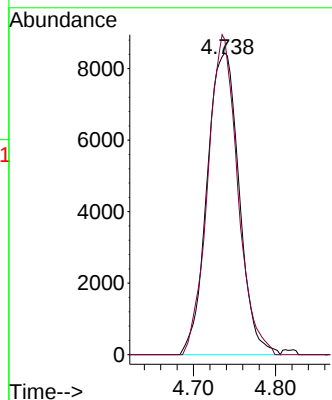
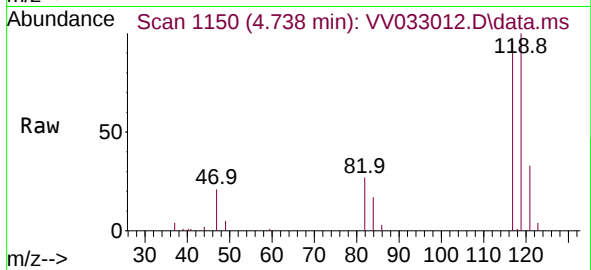




#31
Carbon tetrachloride
Concen: 5.778 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

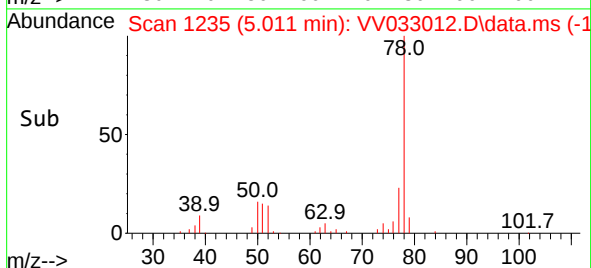
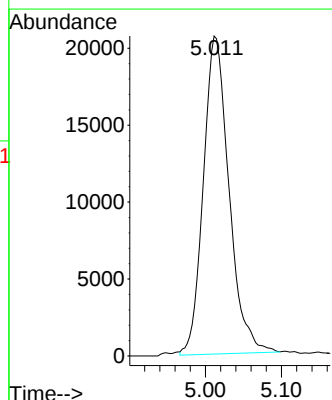
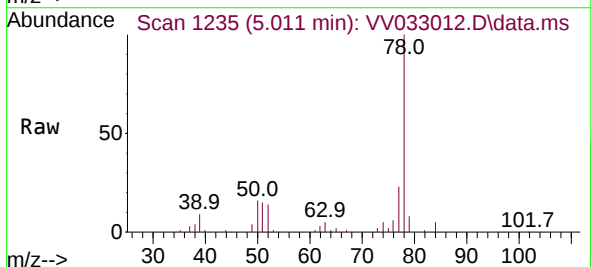
Instrument :
MSVOA_V
ClientSampleId :

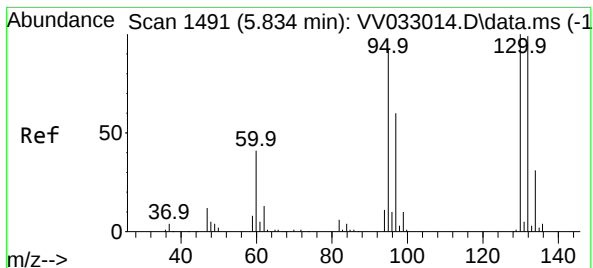
Tgt Ion:117 Resp: 22932
Ion Ratio Lower Upper
117 100
119 98.8 76.5 114.7



#33
Benzene
Concen: 5.344 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 78 Resp: 48466





#34

Trichloroethene

Concen: 5.542 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 14166

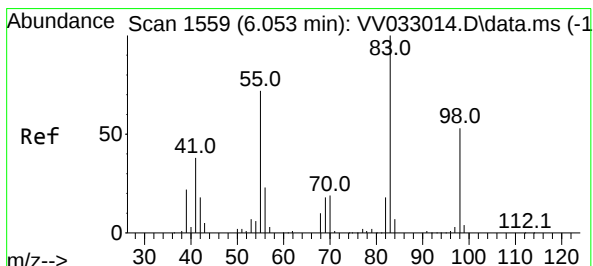
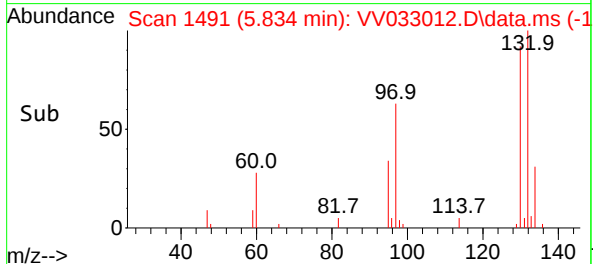
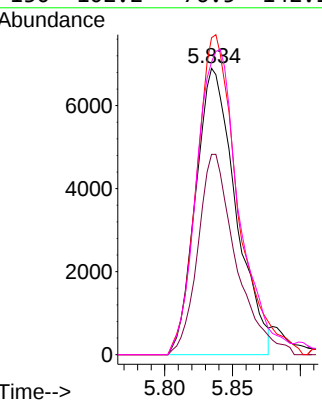
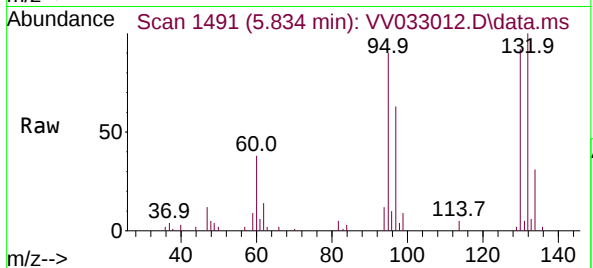
Ion Ratio Lower Upper

95 100

97 69.9 46.0 85.4

132 110.7 76.0 141.2

130 102.2 76.5 142.1



#35

Methylcyclohexane

Concen: 5.440 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.006 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

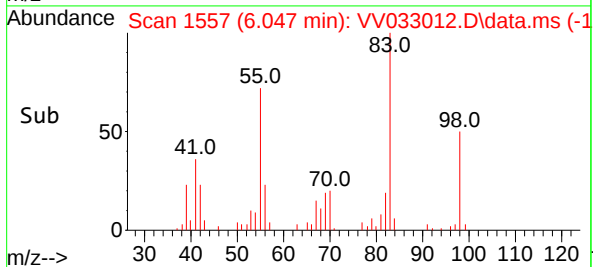
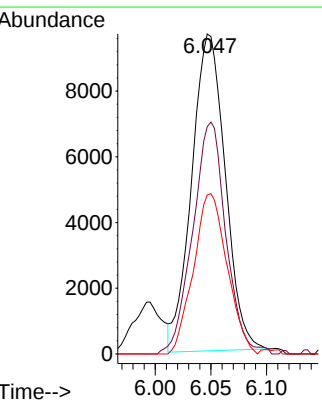
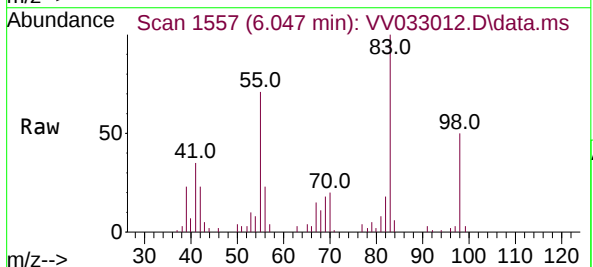
Tgt Ion: 83 Resp: 20211

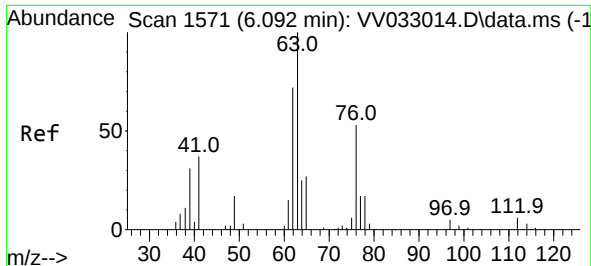
Ion Ratio Lower Upper

83 100

55 72.0 56.3 84.5

98 50.7 40.5 60.7





#37

1,2-Dichloropropane

Concen: 5.409 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

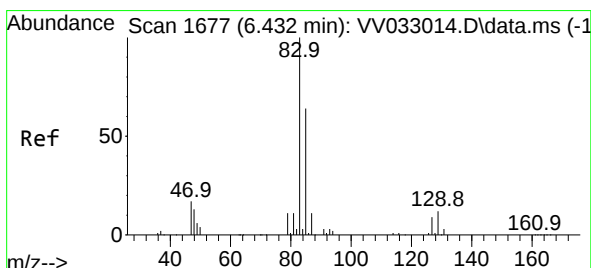
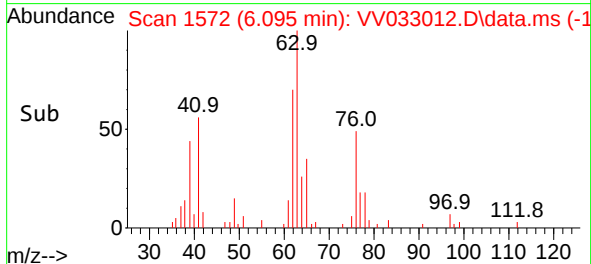
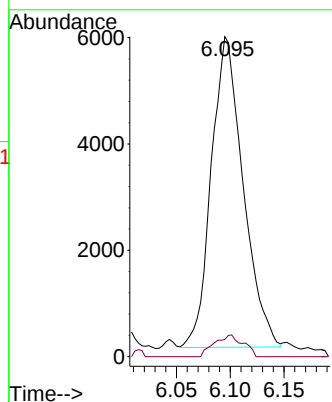
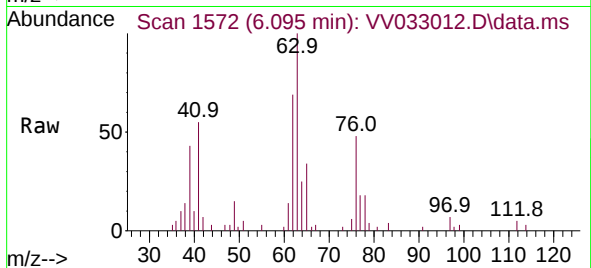
ClientSampleId :

Tgt Ion: 63 Resp: 12042

Ion Ratio Lower Upper

63 100

112 0.7 4.6 7.0#



#38

Bromodichloromethane

Concen: 5.662 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

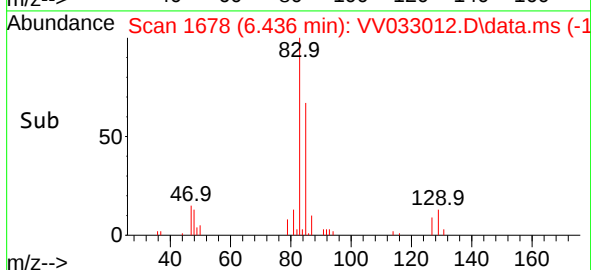
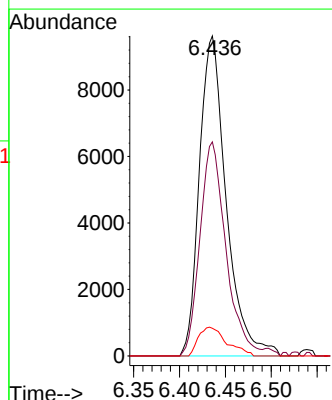
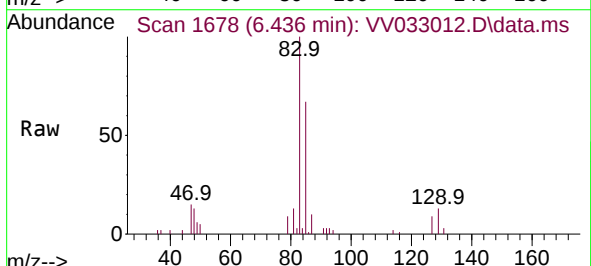
Tgt Ion: 83 Resp: 19582

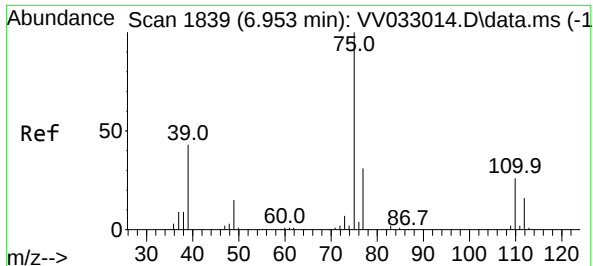
Ion Ratio Lower Upper

83 100

85 66.9 44.7 83.1

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 6.957 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

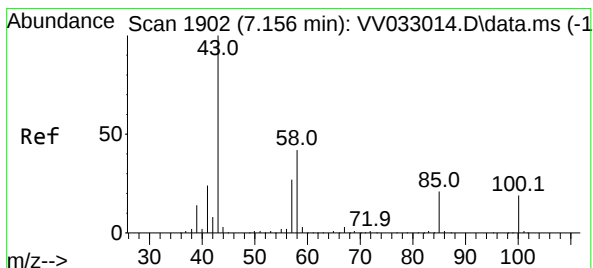
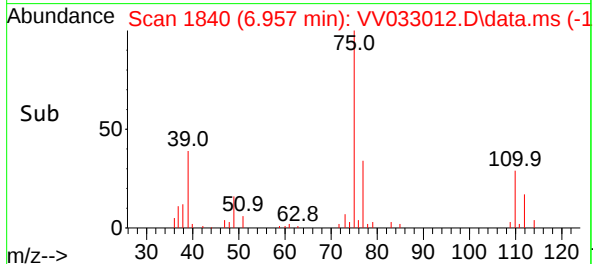
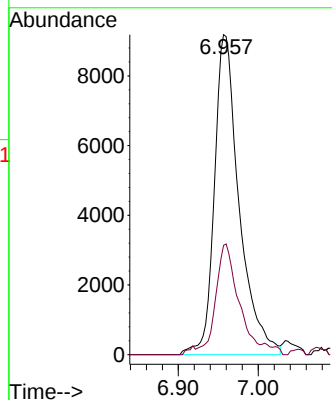
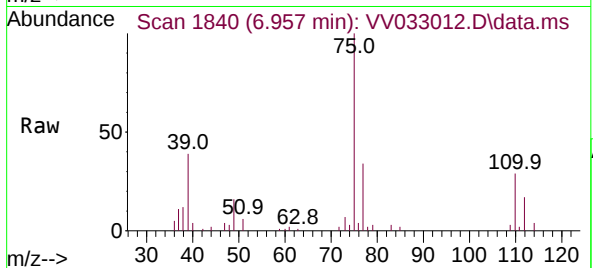
ClientSampleId :

Tgt Ion: 75 Resp: 19772

Ion Ratio Lower Upper

75 100

77 34.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 9.420 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

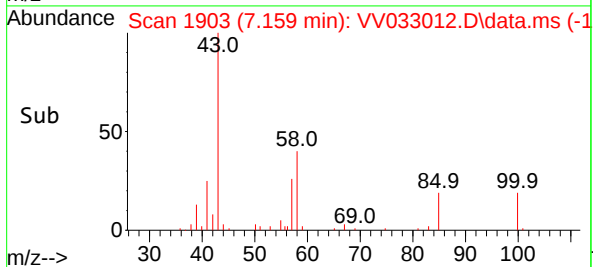
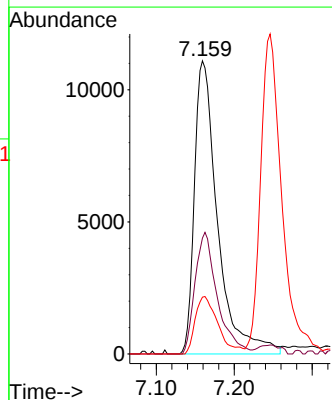
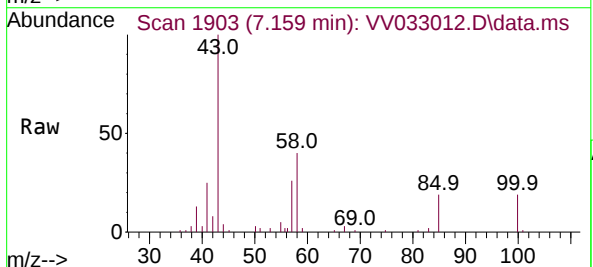
Tgt Ion: 43 Resp: 22938

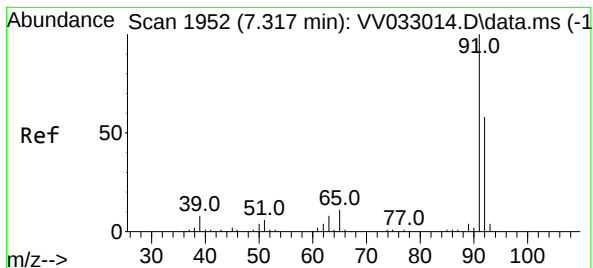
Ion Ratio Lower Upper

43 100

58 40.0 33.2 49.8

100 18.6 14.9 22.3





#42

Toluene

Concen: 5.244 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

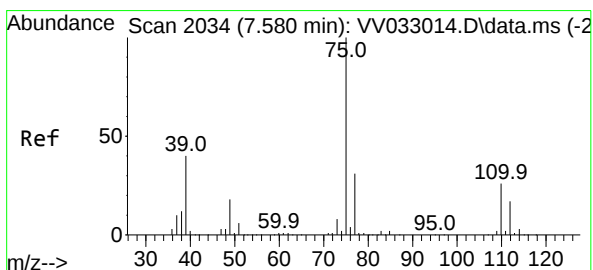
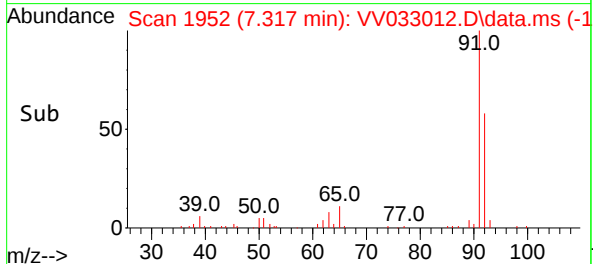
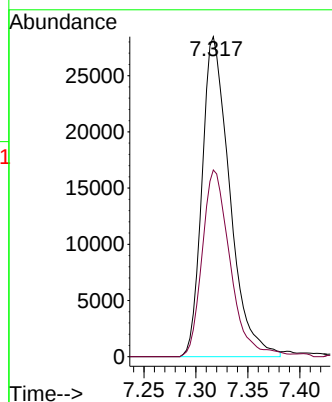
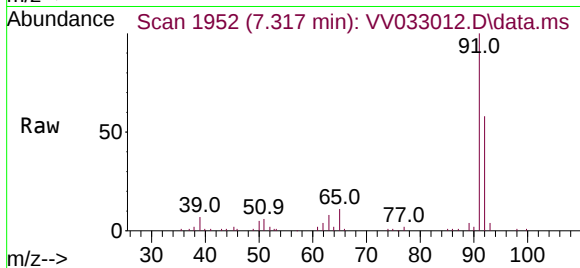
ClientSampleId :

Tgt Ion: 91 Resp: 52696

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.986 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.007 min

Lab File: VV033012.D

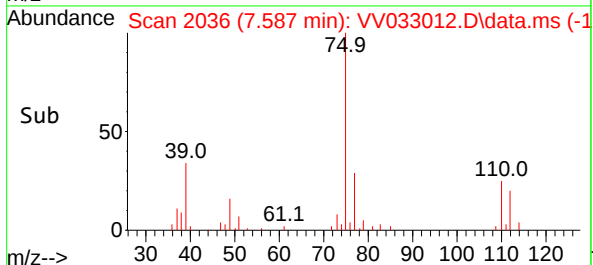
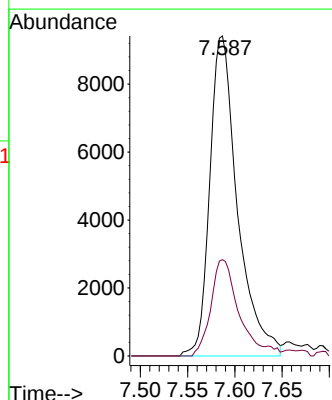
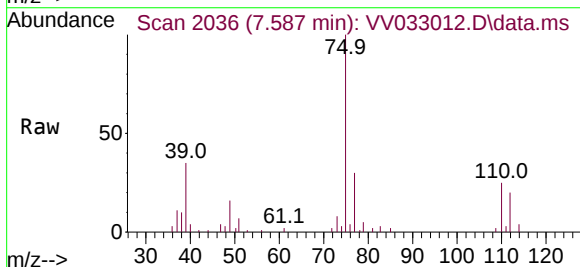
Acq: 20 Nov 2023 09:31

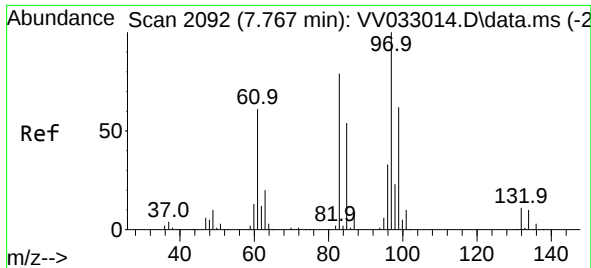
Tgt Ion: 75 Resp: 19200

Ion Ratio Lower Upper

75 100

77 30.1 21.9 40.7

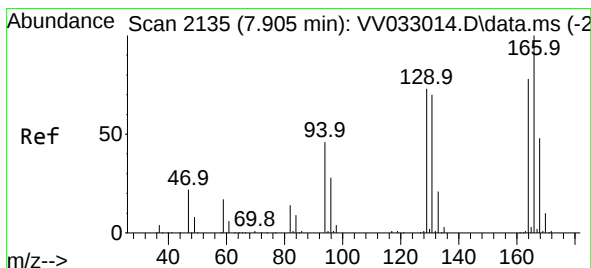
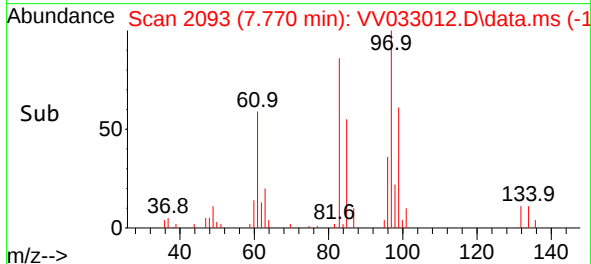
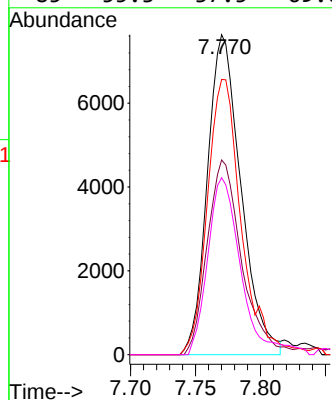
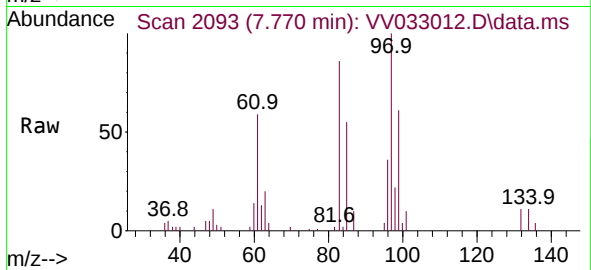




#45
1,1,2-Trichloroethane
Concen: 5.467 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

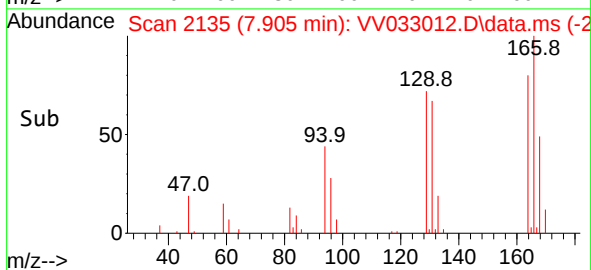
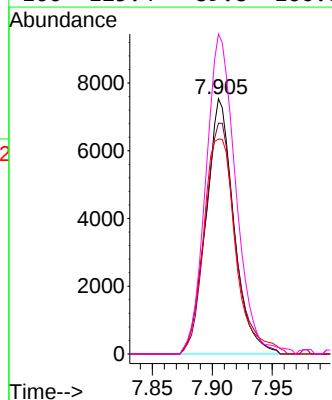
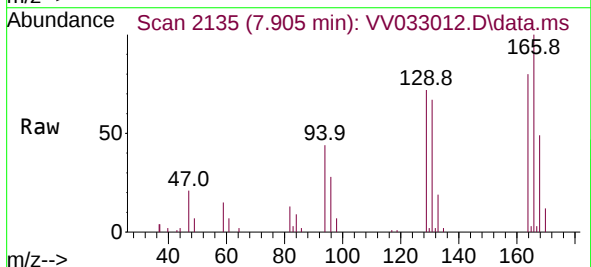
Instrument :
MSVOA_V
ClientSampleId :

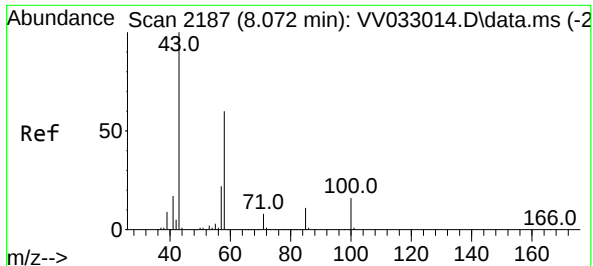
Tgt Ion: 97	Resp: 13706
Ion Ratio	Lower Upper
97 100	
99 60.8	43.5 80.9
83 86.0	55.6 103.2
85 55.3	37.5 69.6



#46
Tetrachloroethene
Concen: 5.495 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt	Ion:164	Resp:	12241
Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.7	122.1
131	84.2	62.5	116.1
166	125.4	89.8	166.8

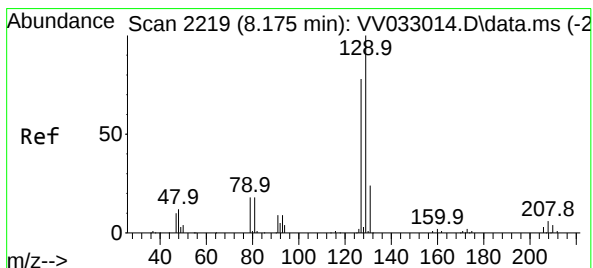
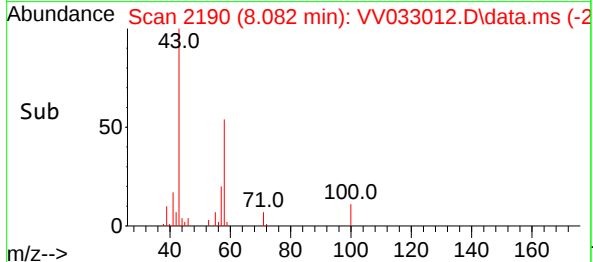
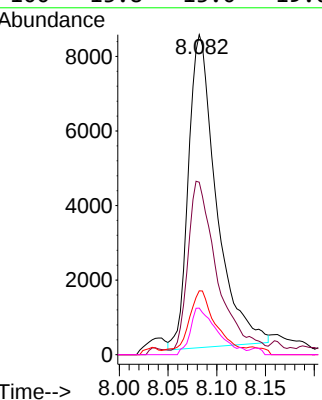
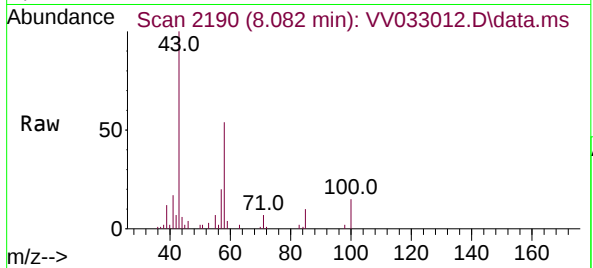




#48
2-Hexanone
Concen: 8.681 ug/L
RT: 8.082 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

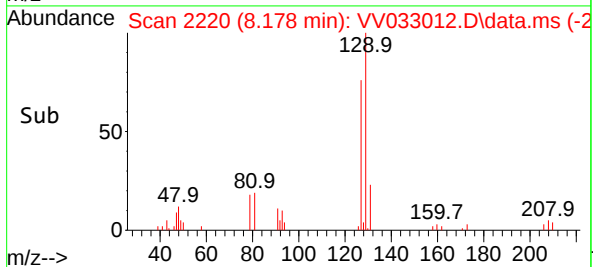
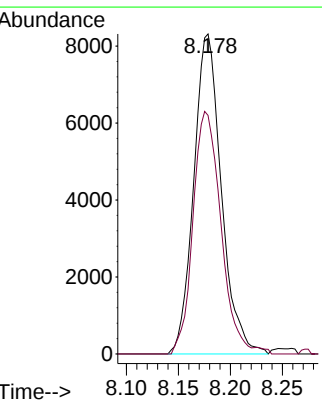
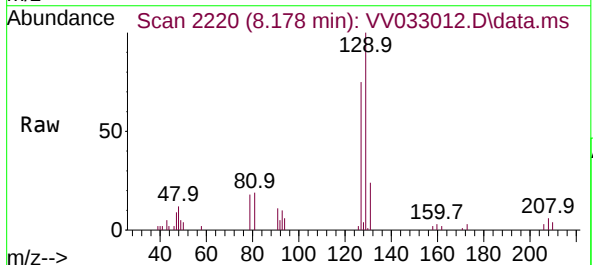
Instrument :
MSVOA_V
ClientSampleId :

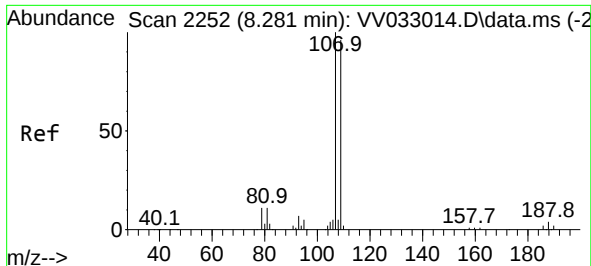
Tgt Ion: 43	Resp: 16723
Ion Ratio	Lower Upper
43 100	
58 53.4	47.0 70.6
57 18.1	17.0 25.6
100 13.8	13.0 19.6



#49
Dibromochloromethane
Concen: 5.315 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion:129	Resp:	15358	
Ion	Ratio	Lower	Upper
129	100		
127	74.5	54.4	101.0





#50

1,2-Dibromoethane

Concen: 5.272 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

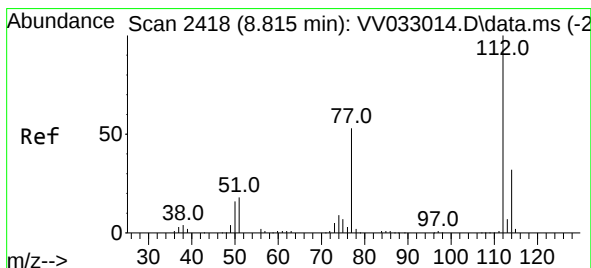
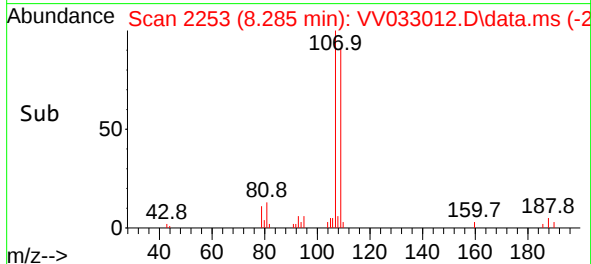
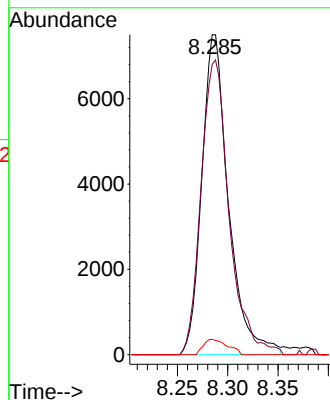
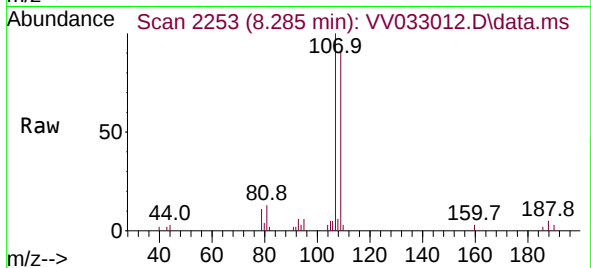
Tgt Ion:107 Resp: 13843

Ion Ratio Lower Upper

107 100

109 90.8 67.3 125.1

188 4.8 3.3 4.9



#51

Chlorobenzene

Concen: 5.655 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

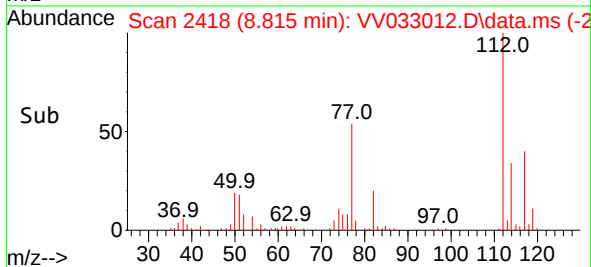
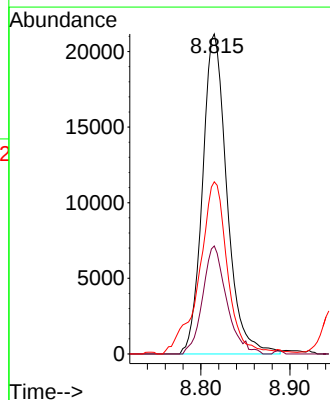
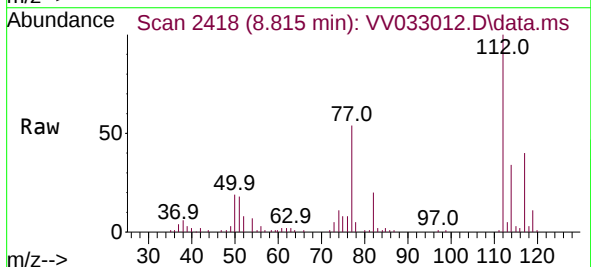
Tgt Ion:112 Resp: 40327

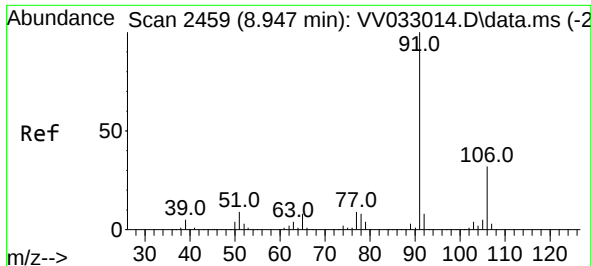
Ion Ratio Lower Upper

112 100

114 33.7 22.3 41.5

77 53.8 43.0 64.6

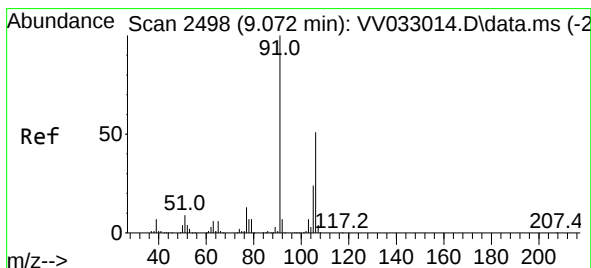
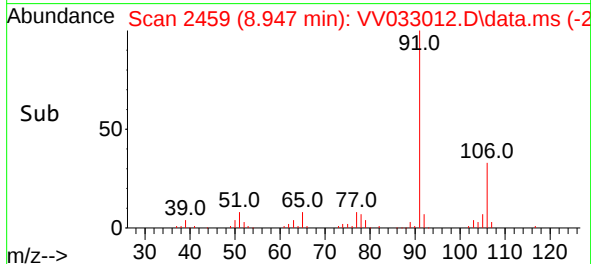
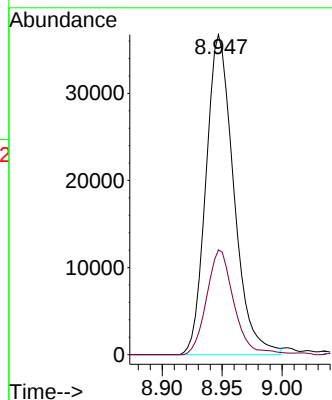
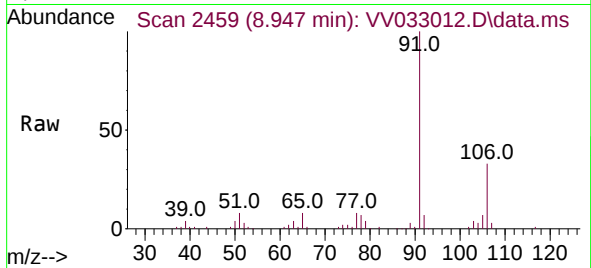




#52
Ethylbenzene
Concen: 5.130 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

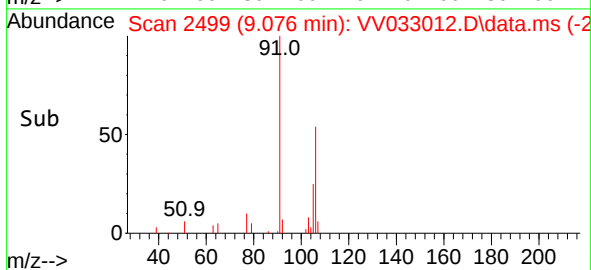
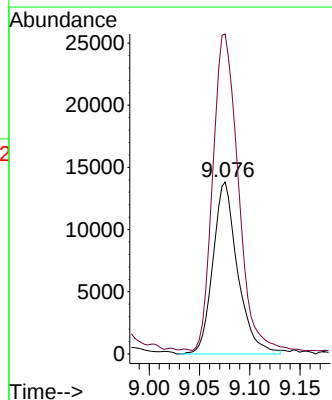
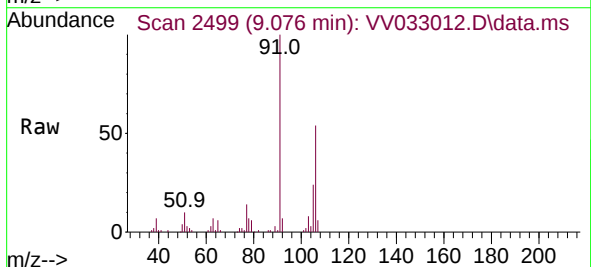
Instrument :
MSVOA_V
ClientSampleId :

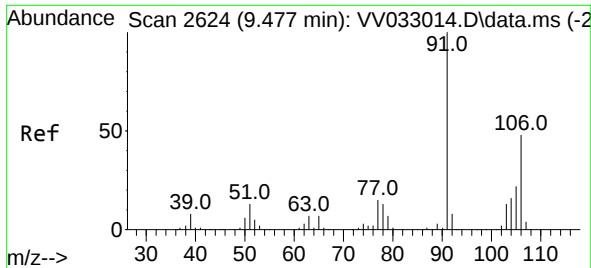
Tgt Ion: 91 Resp: 59178
Ion Ratio Lower Upper
91 100
106 32.7 22.1 41.1



#53
m,p-Xylene
Concen: 5.207 ug/L
RT: 9.076 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 106 Resp: 23602
Ion Ratio Lower Upper
106 100
91 186.0 138.6 257.4

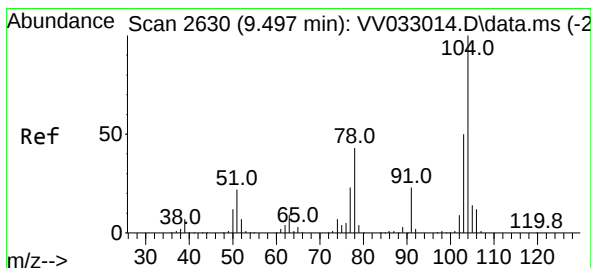
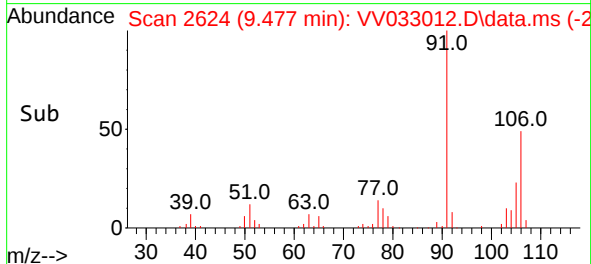
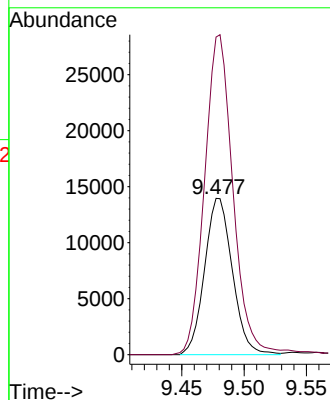
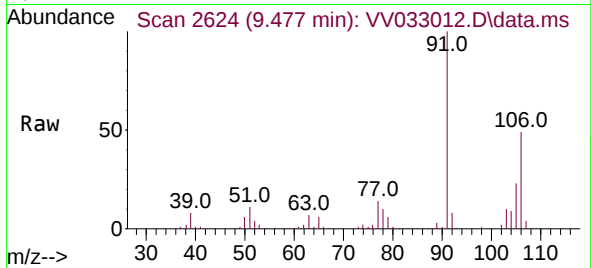




#54
o-Xylene
Concen: 4.965 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

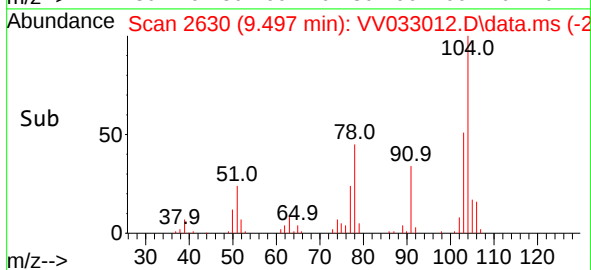
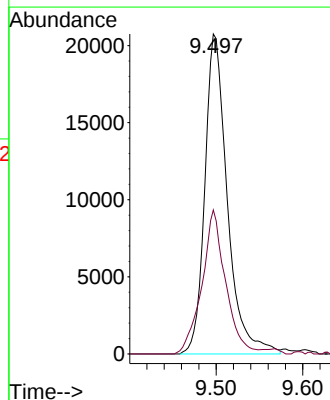
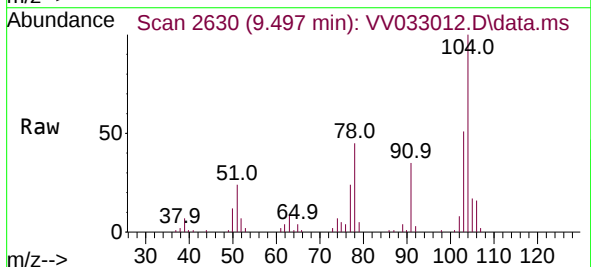
Instrument :
MSVOA_V
ClientSampleId :

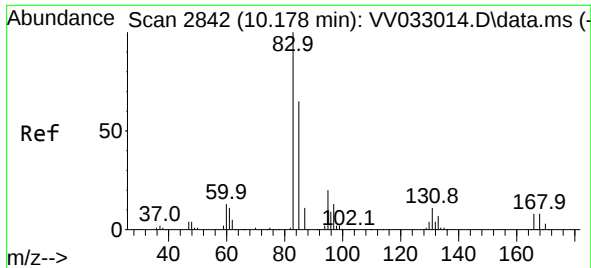
Tgt Ion:106 Resp: 21661
Ion Ratio Lower Upper
106 100
91 203.2 147.3 273.5



#55
Styrene
Concen: 4.808 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion:104 Resp: 37420
Ion Ratio Lower Upper
104 100
78 45.0 30.2 56.2

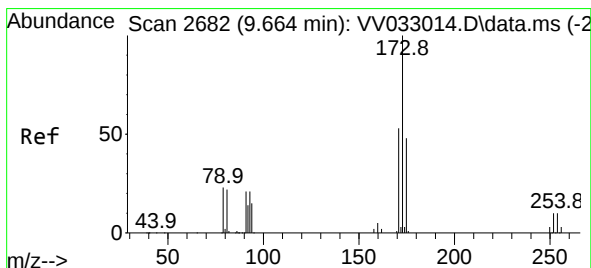
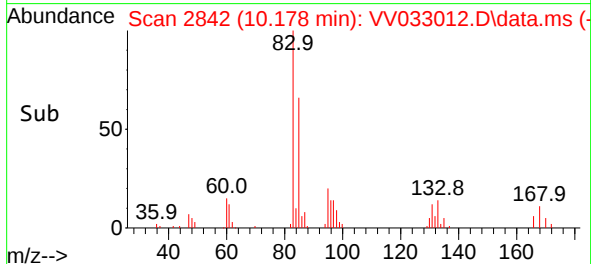
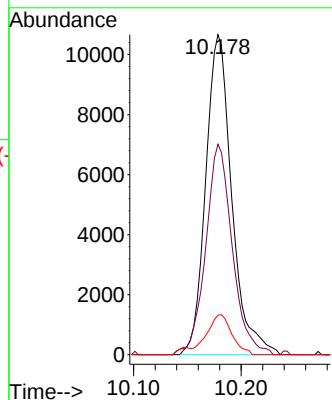
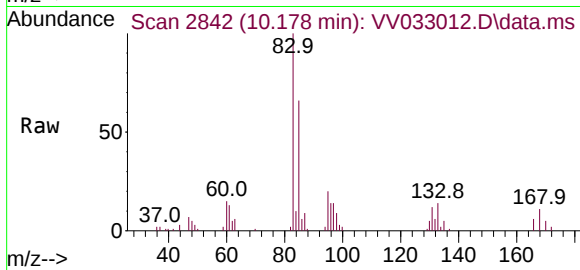




#57
1,1,2,2-Tetrachloroethane
Concen: 5.065 ug/L
RT: 10.178 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

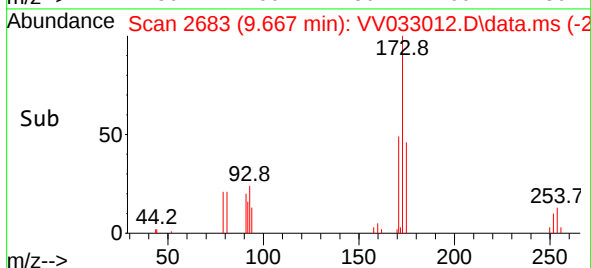
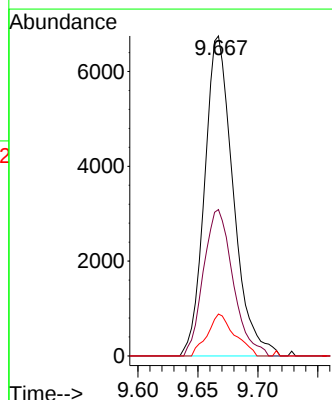
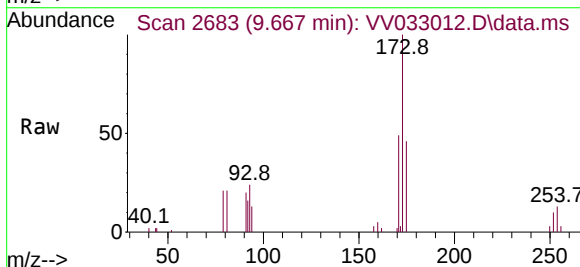
Instrument :
MSVOA_V
ClientSampleId :

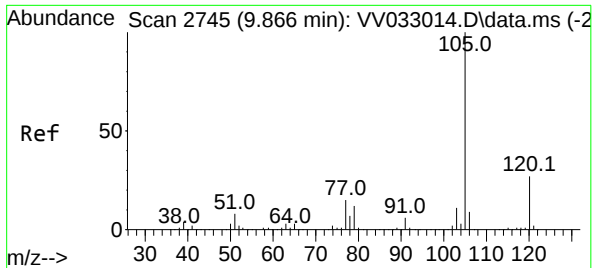
Tgt Ion: 83 Resp: 17938
Ion Ratio Lower Upper
83 100
85 65.8 45.8 85.2
131 12.4 9.4 14.0



#59
Bromoform
Concen: 5.355 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 173 Resp: 11189
Ion Ratio Lower Upper
173 100
175 47.4 38.7 58.1
254 12.5 7.9 11.9#

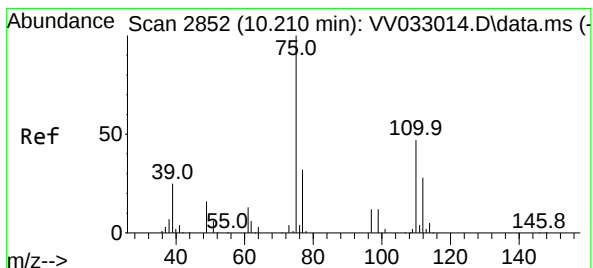
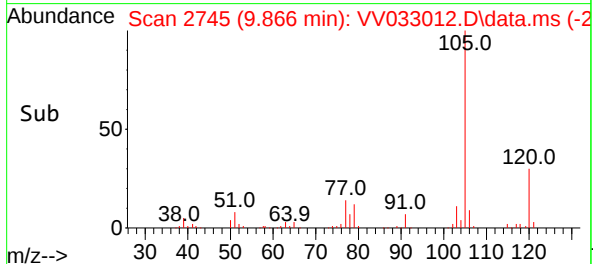
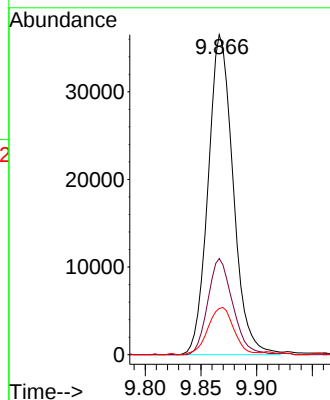
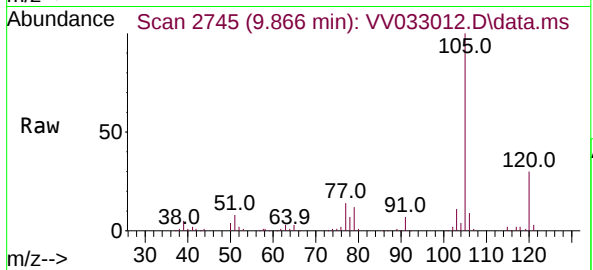




#60
Isopropylbenzene
Concen: 5.260 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

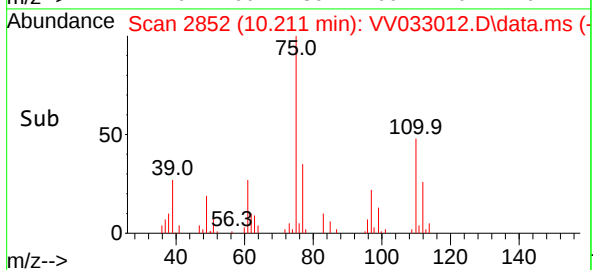
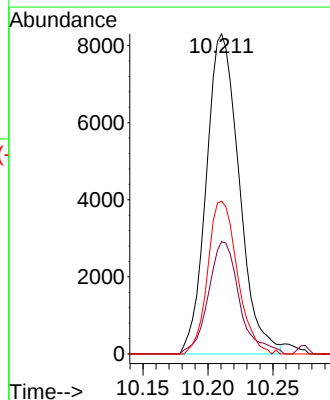
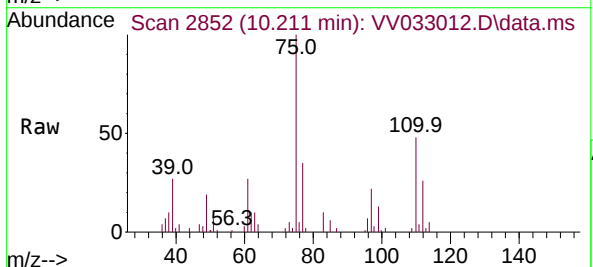
Instrument :
MSVOA_V
ClientSampleId :

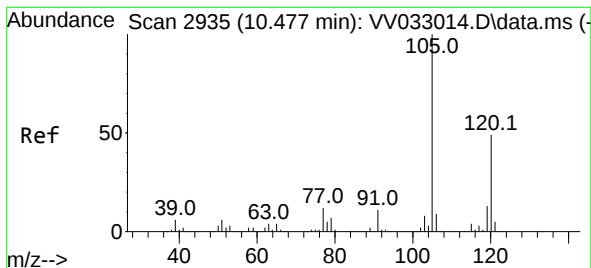
Tgt Ion:105 Resp: 57170
Ion Ratio Lower Upper
105 100
120 29.8 21.4 32.2
77 15.4 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 5.649 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion: 75 Resp: 14610
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
110 43.1 36.2 54.4

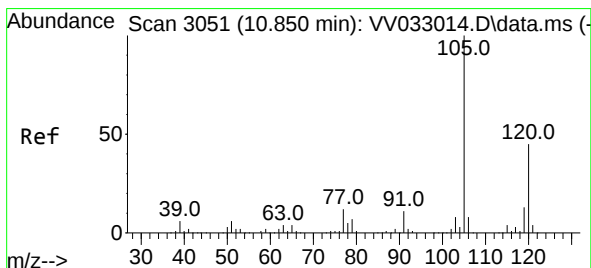
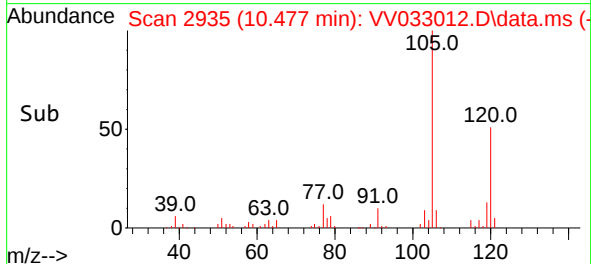
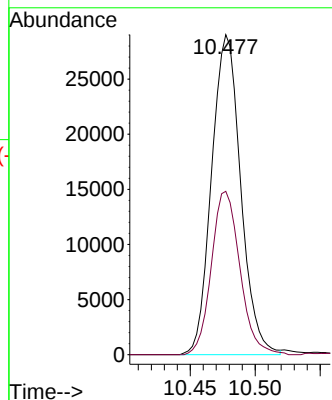
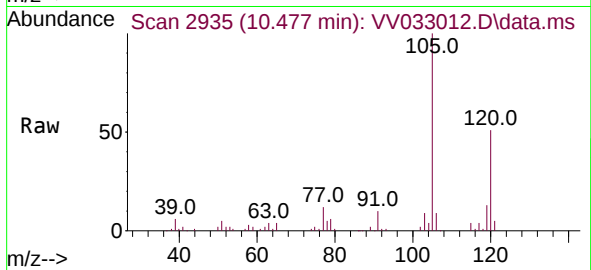




#62
1,3,5-Trimethylbenzene
Concen: 5.184 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

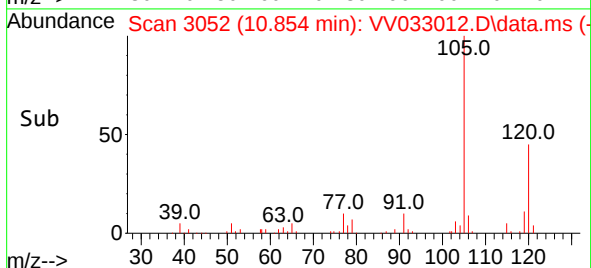
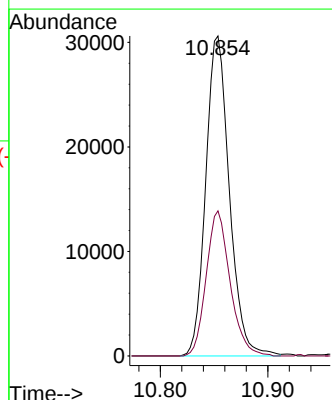
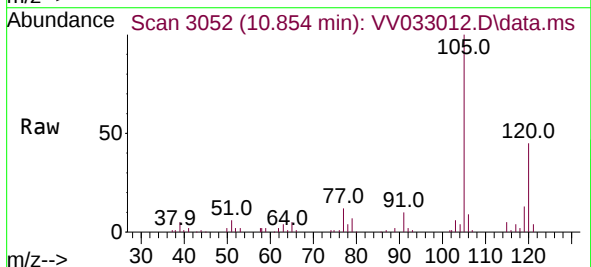
Instrument :
MSVOA_V
ClientSampleId :

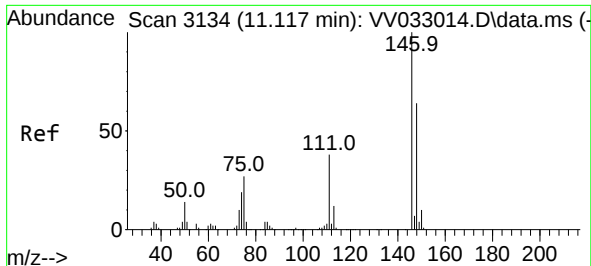
Tgt Ion:105 Resp: 45210
Ion Ratio Lower Upper
105 100
120 50.0 39.7 59.5



#63
1,2,4-Trimethylbenzene
Concen: 5.118 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion:105 Resp: 46761
Ion Ratio Lower Upper
105 100
120 45.9 36.7 55.1

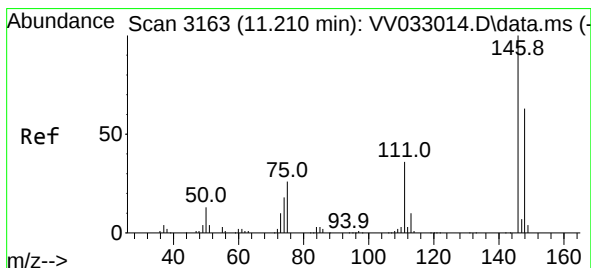
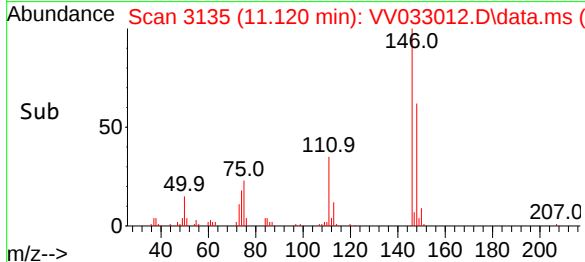
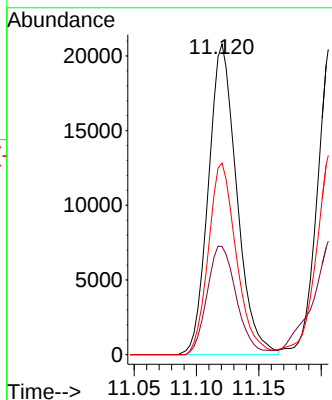
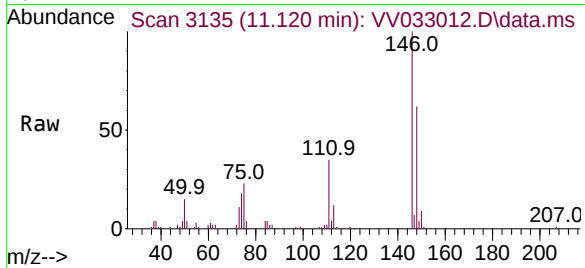




#64
1,3-Dichlorobenzene
Concen: 5.654 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

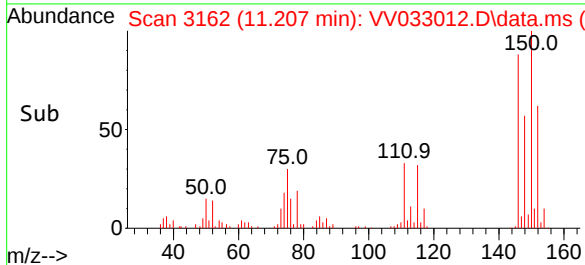
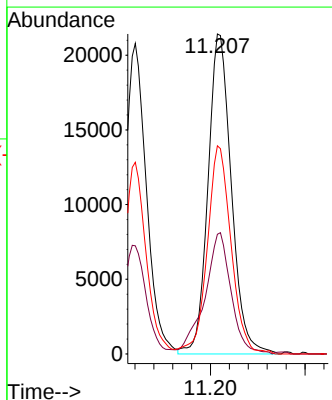
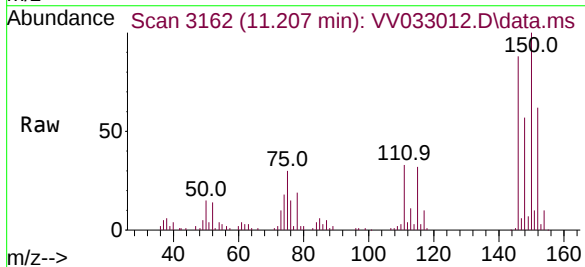
Instrument :
MSVOA_V
ClientSampleId :

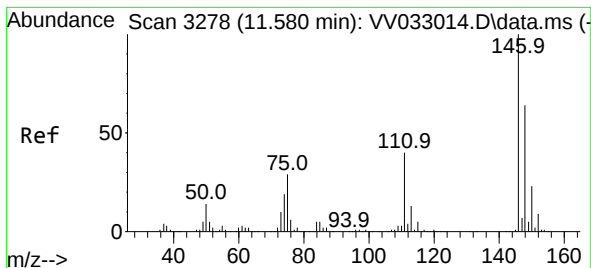
Tgt Ion:146 Resp: 32928
Ion Ratio Lower Upper
146 100
111 34.8 26.5 49.1
148 61.7 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.937 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VV033012.D
Acq: 20 Nov 2023 09:31

Tgt Ion:146 Resp: 36748
Ion Ratio Lower Upper
146 100
111 37.4 25.1 46.7
148 65.0 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 5.736 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

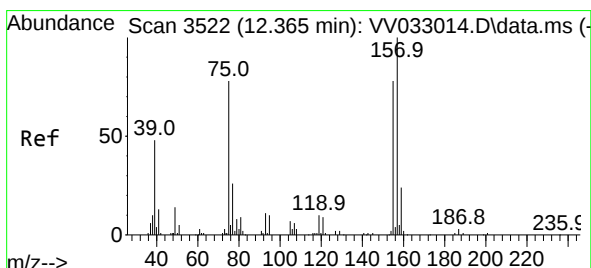
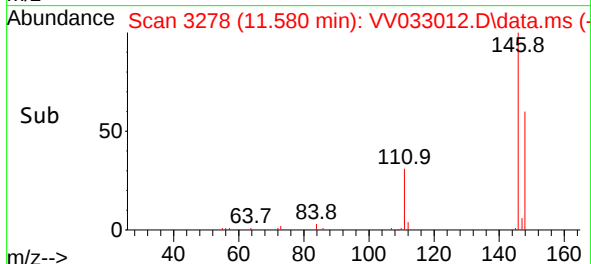
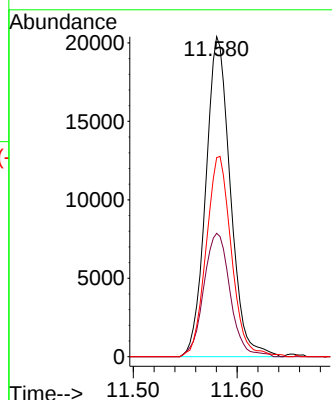
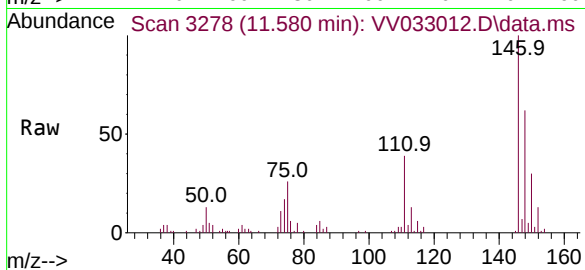
Tgt Ion:146 Resp: 33519

Ion Ratio Lower Upper

146 100

111 38.5 31.8 47.6

148 62.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.066 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

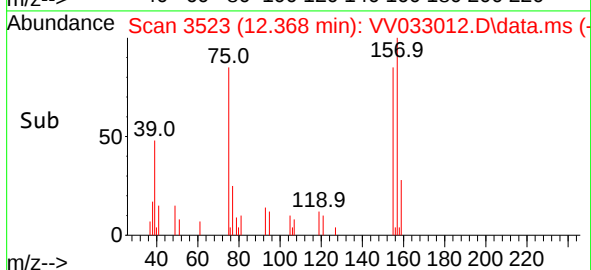
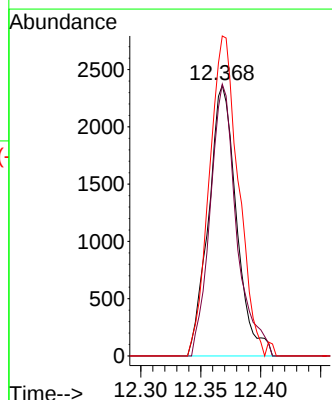
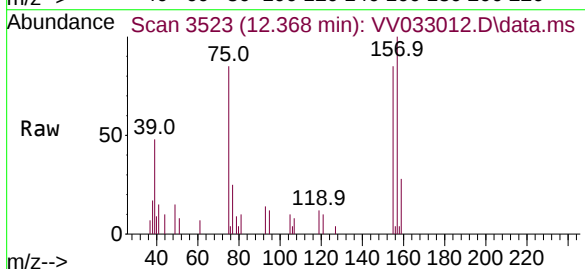
Tgt Ion: 75 Resp: 3812

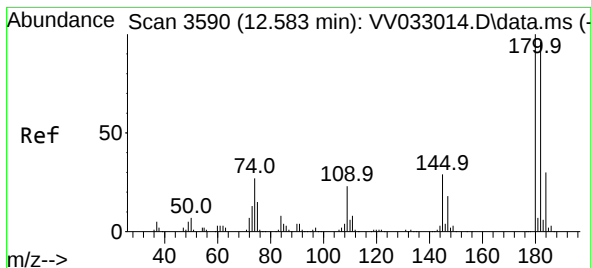
Ion Ratio Lower Upper

75 100

155 100.4 79.8 119.8

157 118.2 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 5.517 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

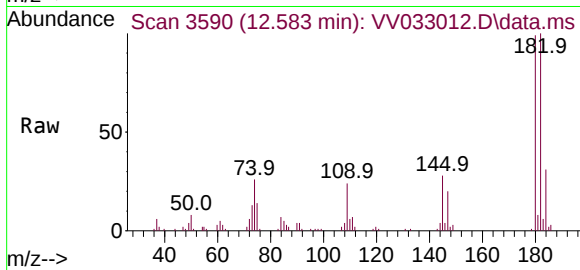
Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 24977

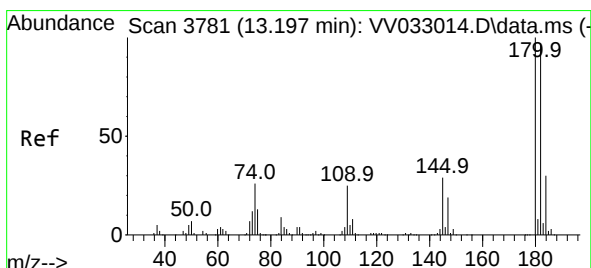
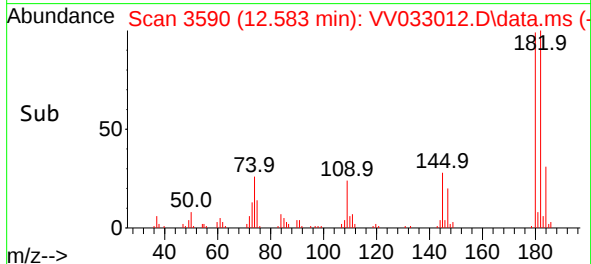
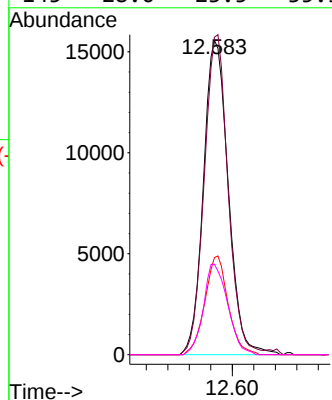
Ion Ratio Lower Upper

180 100

182 97.5 76.6 115.0

184 29.6 24.5 36.7

145 28.0 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 5.244 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

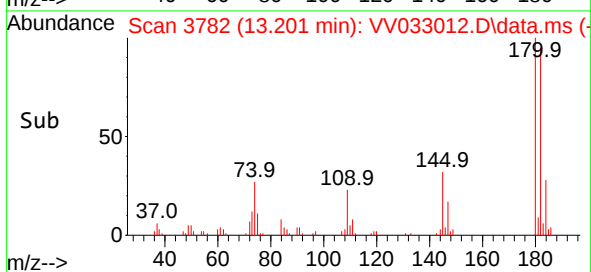
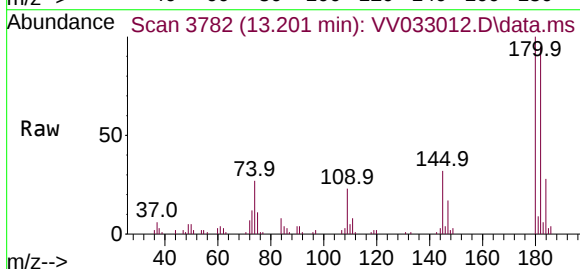
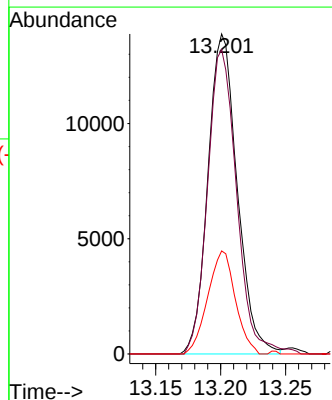
Tgt Ion:180 Resp: 21758

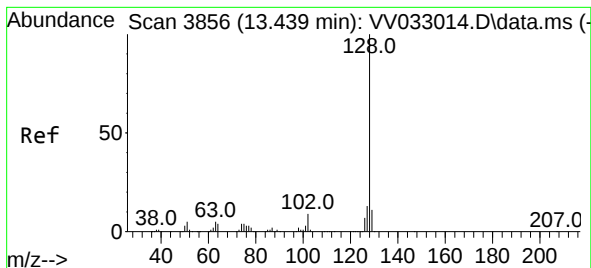
Ion Ratio Lower Upper

180 100

182 94.3 76.8 115.2

145 30.3 23.2 34.8





#71

Naphthalene

Concen: 4.397 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV033012.D

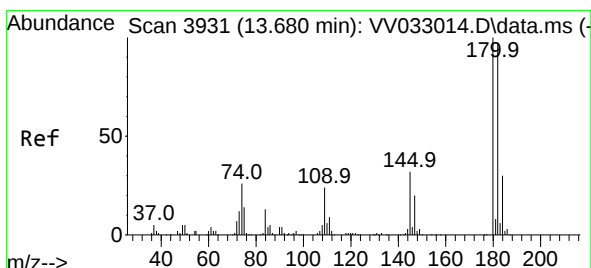
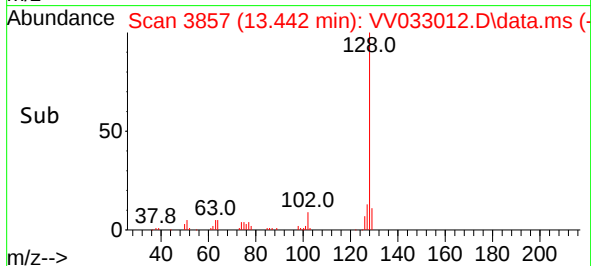
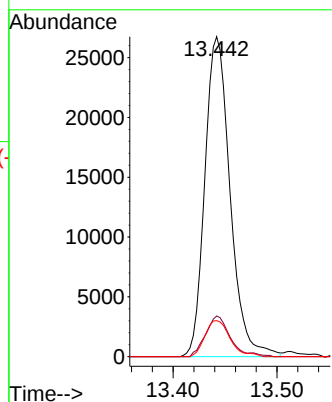
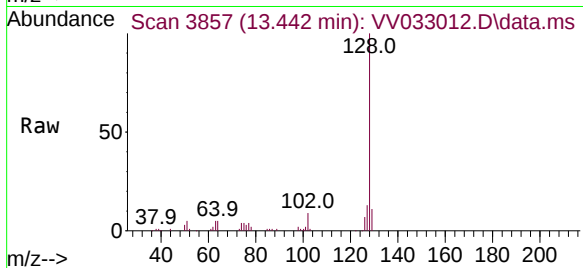
Acq: 20 Nov 2023 09:31

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	45127
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.2	15.2
129	10.9	8.7	13.1



#72

1,2,3-Trichlorobenzene

Concen: 5.038 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033012.D

Acq: 20 Nov 2023 09:31

Tgt Ion:	180	Resp:	20267
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.6	114.8
145	33.7	25.5	38.3

