

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033013.D
 Acq On : 20 Nov 2023 09:55
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:12:23 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	331938	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	332142	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	190833	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	17181	9.900	ug/L	0.00
7) Chloroethane-d5	1.536	69	13415	10.050	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	7193	10.129	ug/L	0.00
21) 2-Butanone-d5	3.802	46	13981	12.836	ug/L	0.02
24) Chloroform-d	4.256	84	43485	10.167	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	26391	9.892	ug/L	0.00
32) Benzene-d6	4.963	84	76658	9.911	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	21107	9.623	ug/L	0.00
41) Toluene-d8	7.246	98	73088	9.899	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	12345	9.641	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	15913	17.744	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	33596	10.063	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	33861	9.950	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	36673	10.226	ug/L	99
3) Chloromethane	1.217	50	27683	10.344	ug/L	96
5) Vinyl chloride	1.285	62	24912	10.035	ug/L	98
6) Bromomethane	1.491	94	15853	9.664	ug/L	97
8) Chloroethane	1.552	64	14345	10.447	ug/L	97
9) Trichlorofluoromethane	1.716	101	40314	10.030	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	20239	10.212	ug/L	96
12) 1,1-Dichloroethene	2.073	96	18042	9.860	ug/L	98
13) Acetone	2.111	43	23028	21.314	ug/L	99
14) Carbon disulfide	2.243	76	61705	10.139	ug/L	100
15) Methyl Acetate	2.375	43	19334	10.208	ug/L	96
16) Methylene chloride	2.449	84	27508	10.611	ug/L	98
17) trans-1,2-Dichloroethene	2.700	96	23379	9.983	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	71635	9.752	ug/L	100
19) 1,1-Dichloroethane	3.118	63	43322	10.356	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	25933	9.877	ug/L	98
22) 2-Butanone	3.880	43	22290	16.155	ug/L	96
23) Bromochloromethane	4.156	128	15151	10.491	ug/L	90
25) Chloroform	4.278	83	48229	10.243	ug/L	99
27) 1,2-Dichloroethane	5.047	62	37261	10.144	ug/L	97
29) Cyclohexane	4.584	56	31736	9.903	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	43855	10.109	ug/L	97
31) Carbon tetrachloride	4.738	117	41897	10.364	ug/L	99
33) Benzene	5.011	78	94440	10.222	ug/L	100
34) Trichloroethene	5.838	95	26505	10.178	ug/L	97
35) Methylcyclohexane	6.053	83	37230	9.837	ug/L	98
37) 1,2-Dichloropropane	6.095	63	23544	10.383	ug/L	99
38) Bromodichloromethane	6.436	83	35585	10.100	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	37468	9.598	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	47632	19.203	ug/L	99
42) Toluene	7.317	91	102761	10.039	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	37833	9.644	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112023\
 Data File : VV033013.D
 Acq On : 20 Nov 2023 09:55
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

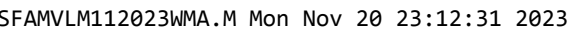
Instrument :
 MSVOA_V
 ClientSampleId :

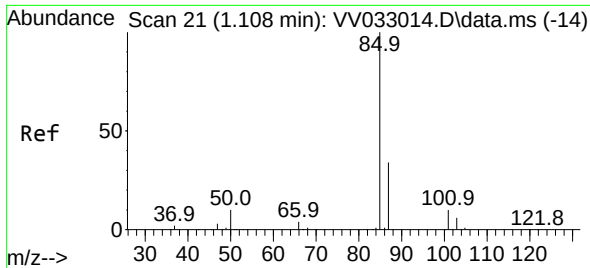
Quant Time: Nov 20 23:12:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	26437	10.352	ug/L	98
46) Tetrachloroethene	7.905	164	23600	10.400	ug/L	94
48) 2-Hexanone	8.079	43	38054	19.392	ug/L	95
49) Dibromochloromethane	8.178	129	29321	9.962	ug/L	99
50) 1,2-Dibromoethane	8.285	107	26628	9.956	ug/L	100
51) Chlorobenzene	8.815	112	72891	10.034	ug/L	98
52) Ethylbenzene	8.947	91	115755	9.850	ug/L	98
53) m,p-Xylene	9.075	106	44420	9.621	ug/L	96
54) o-Xylene	9.481	106	42246	9.506	ug/L	97
55) Styrene	9.497	104	75774	9.558	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	35756	9.911	ug/L	98
59) Bromoform	9.667	173	22905	10.299	ug/L	99
60) Isopropylbenzene	9.866	105	116577	10.077	ug/L	99
61) 1,2,3-Trichloropropane	10.211	75	29333	10.655	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	88218	9.504	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	90766	9.335	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	62414	10.070	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	68390	10.381	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	62202	10.001	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	7946	9.922	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	47813	9.922	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	43256	9.795	ug/L	98
71) Naphthalene	13.442	128	102455	9.380	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	42491	9.924	ug/L	99

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

Quant Time: Nov 20 23:12:23 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

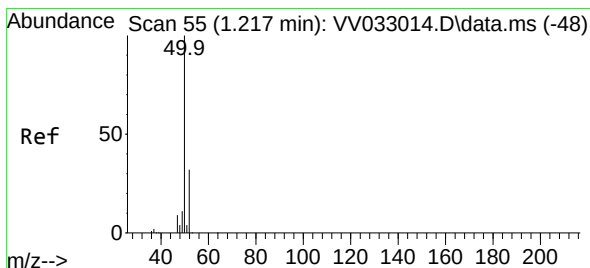
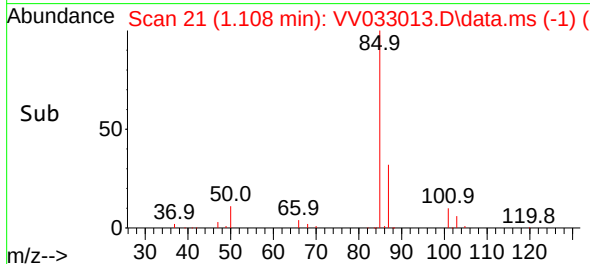
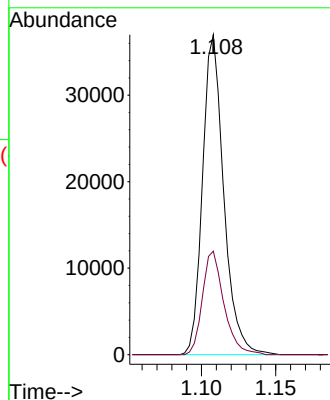
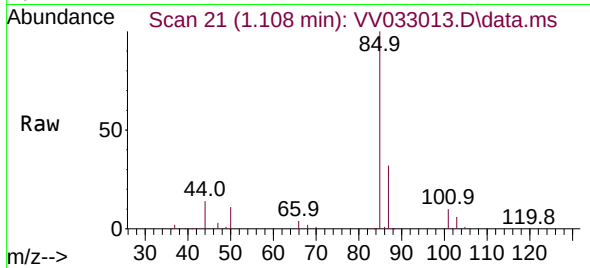




#2
 Dichlorodifluoromethane
 Concen: 10.226 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033013.D
 Acq: 20 Nov 2023 09:55

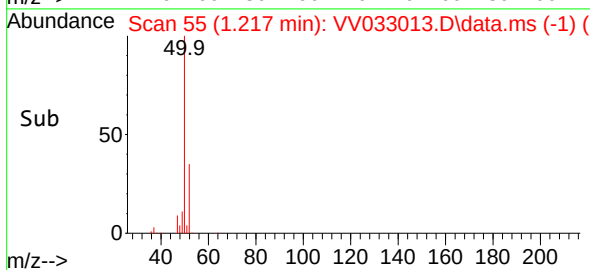
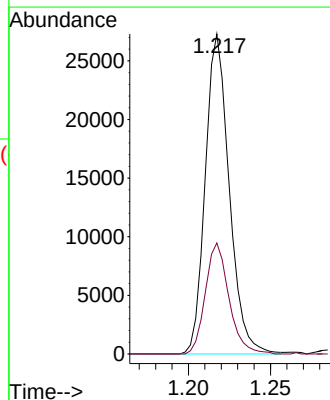
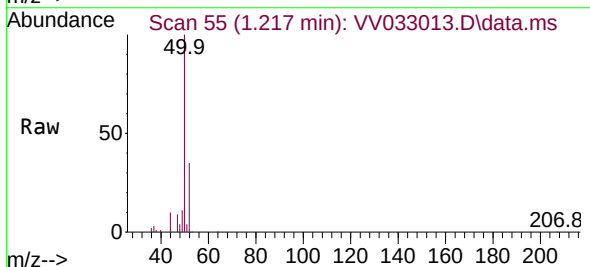
Instrument :
 MSVOA_V
 ClientSampleId :

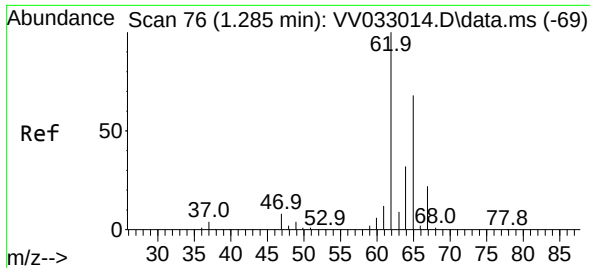
Tgt Ion: 85 Resp: 36673
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.8 40.2



#3
 Chloromethane
 Concen: 10.344 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033013.D
 Acq: 20 Nov 2023 09:55

Tgt Ion: 50 Resp: 27683
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.7 42.3

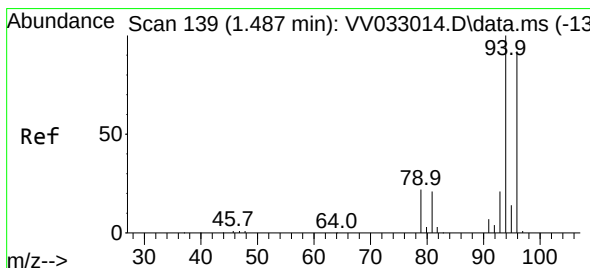
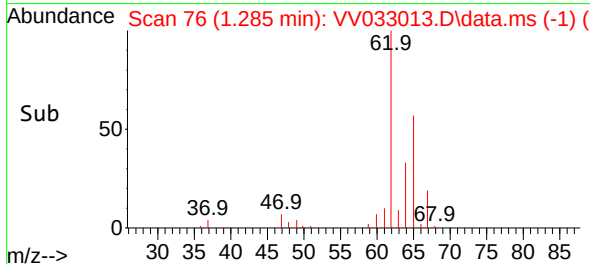
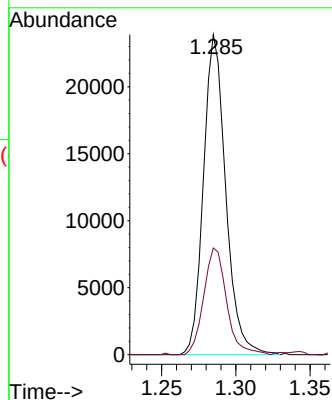
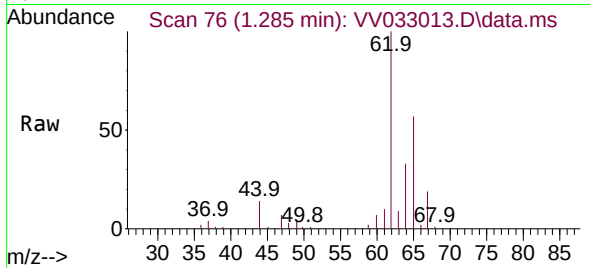




#5
 Vinyl chloride
 Concen: 10.035 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033013.D
 Acq: 20 Nov 2023 09:55

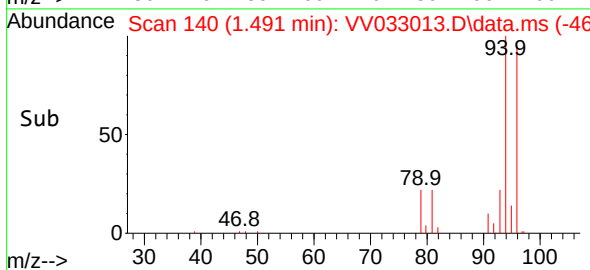
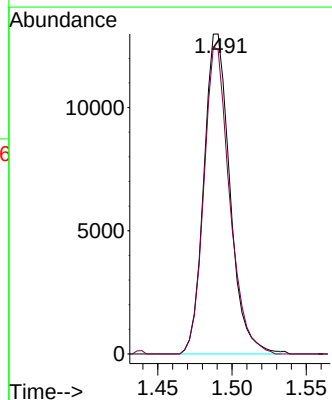
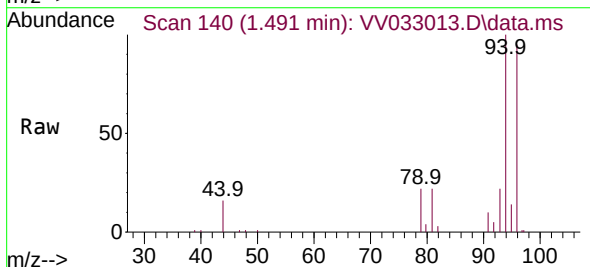
Instrument :
 MSVOA_V
 ClientSampleId :

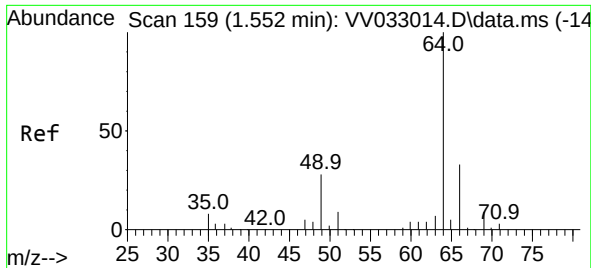
Tgt Ion: 62 Resp: 24912
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.7 42.1



#6
 Bromomethane
 Concen: 9.664 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV033013.D
 Acq: 20 Nov 2023 09:55

Tgt Ion: 94 Resp: 15853
 Ion Ratio Lower Upper
 94 100
 96 95.0 64.4 119.6

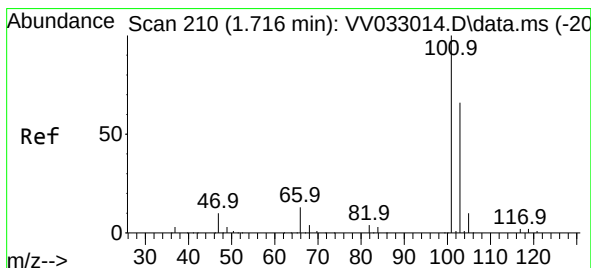
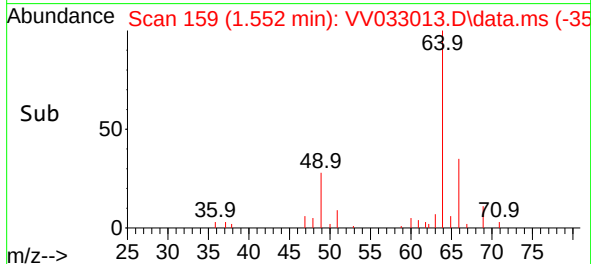
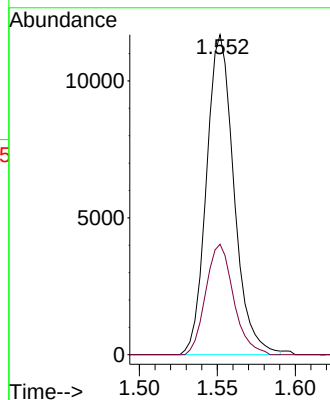
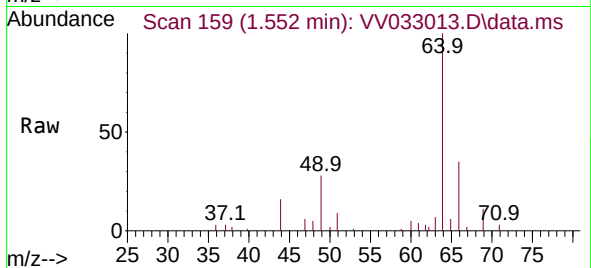




#8
Chloroethane
Concen: 10.447 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

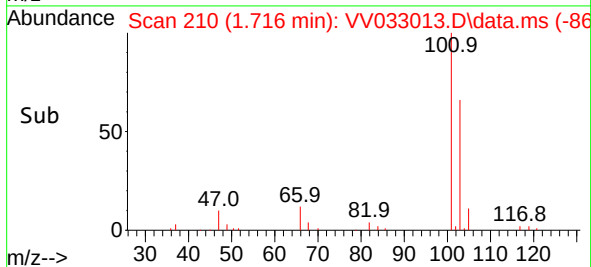
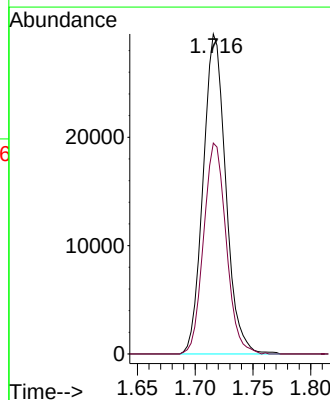
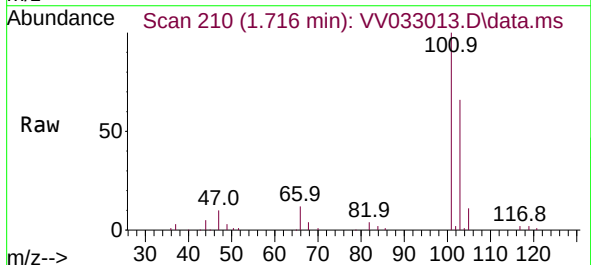
Instrument :
MSVOA_V
ClientSampleId :

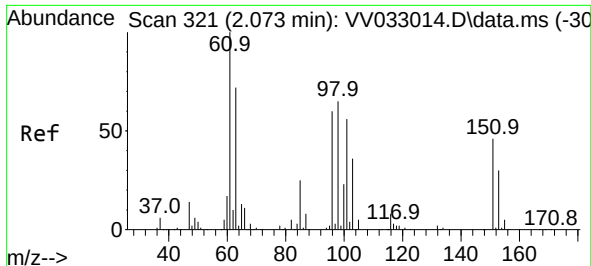
Tgt Ion: 64 Resp: 14345
Ion Ratio Lower Upper
64 100
66 34.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 10.030 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion:101 Resp: 40314
Ion Ratio Lower Upper
101 100
103 65.7 52.1 78.1





#10

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

Concen: 10.212 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

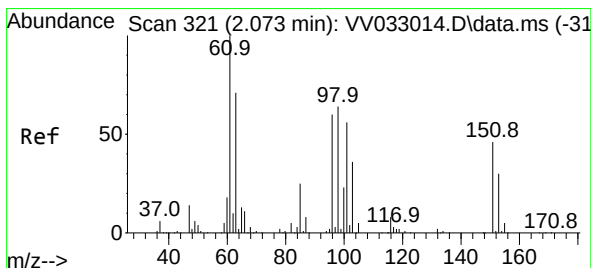
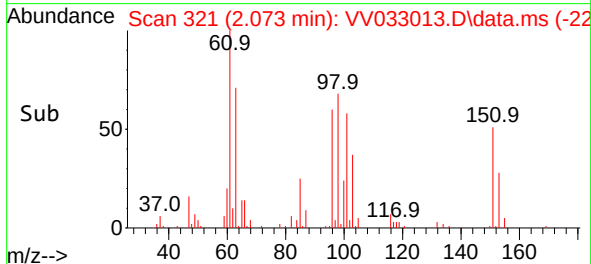
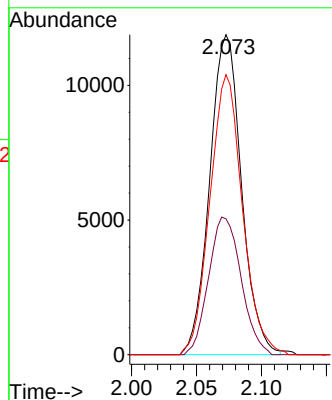
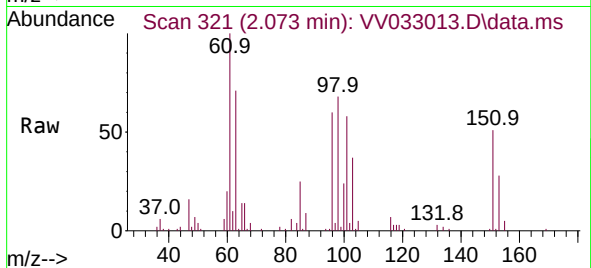
Tgt Ion:101 Resp: 20239

Ion Ratio Lower Upper

101 100

85 44.0 35.5 53.3

151 89.3 67.0 100.4



#12

1,1-Dichloroethene

Concen: 9.860 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

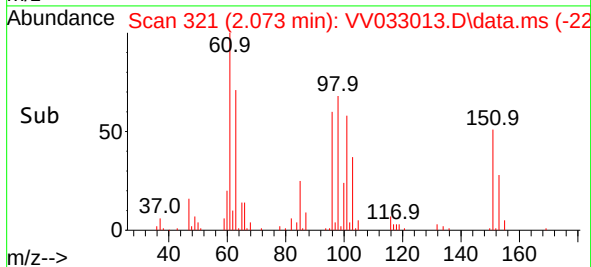
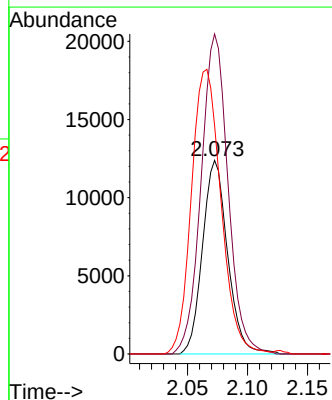
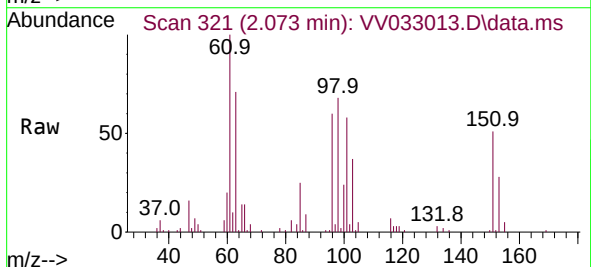
Tgt Ion: 96 Resp: 18042

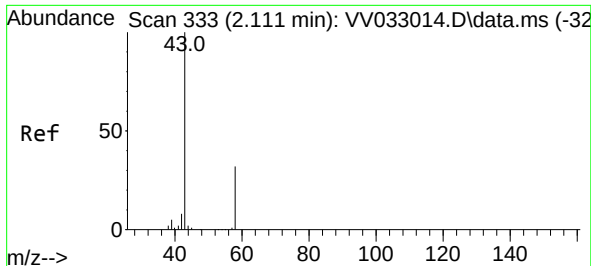
Ion Ratio Lower Upper

96 100

61 165.3 116.6 216.6

63 118.0 84.8 157.4





#13

Acetone

Concen: 21.314 ug/L

RT: 2.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

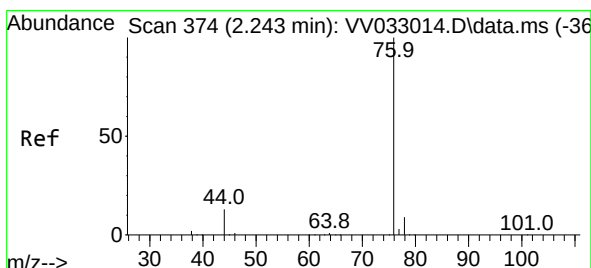
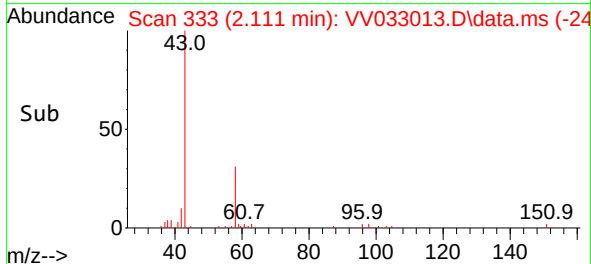
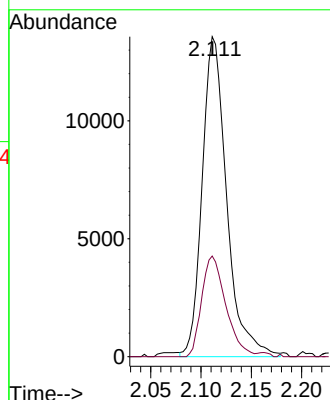
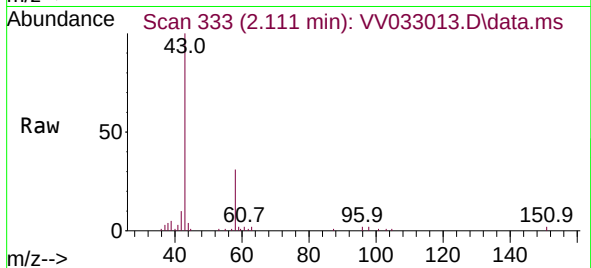
ClientSampleId :

Tgt Ion: 43 Resp: 23028

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.6



#14

Carbon disulfide

Concen: 10.139 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033013.D

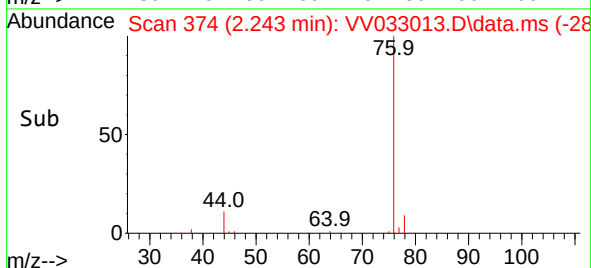
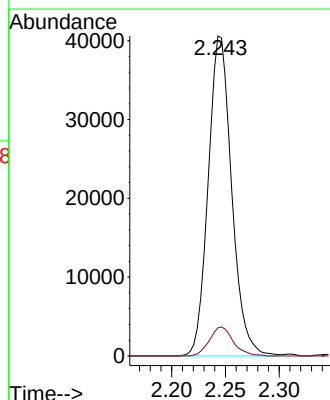
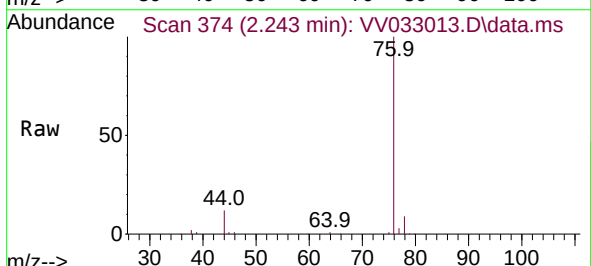
Acq: 20 Nov 2023 09:55

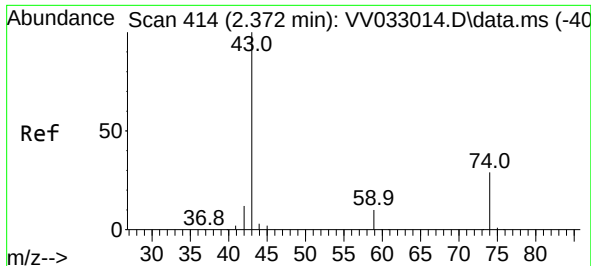
Tgt Ion: 76 Resp: 61705

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

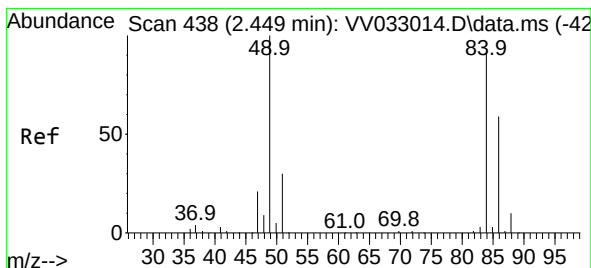
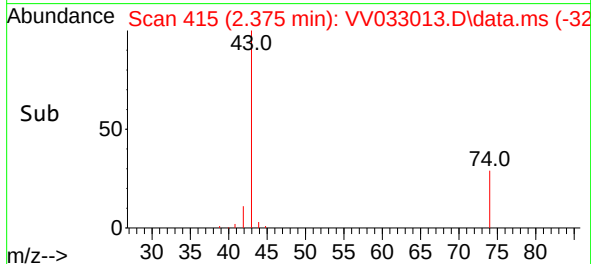
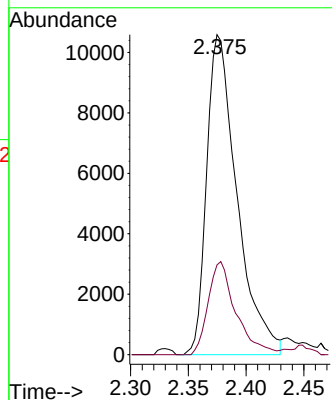
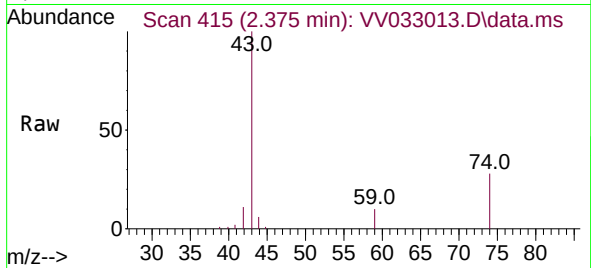




#15
Methyl Acetate
Concen: 10.208 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

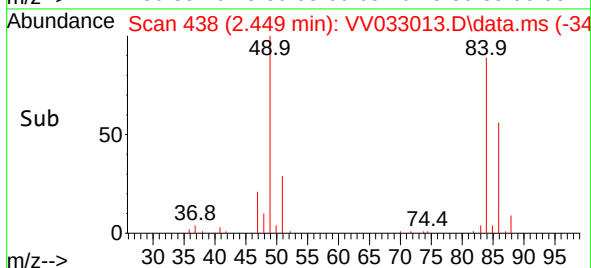
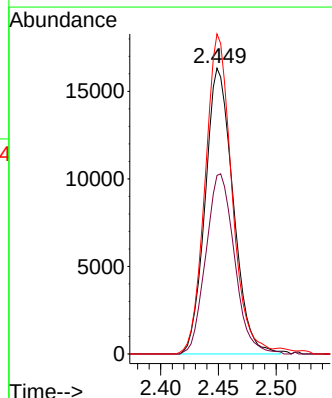
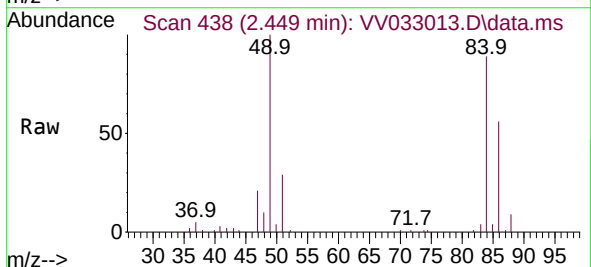
Instrument :
MSVOA_V
ClientSampleId :

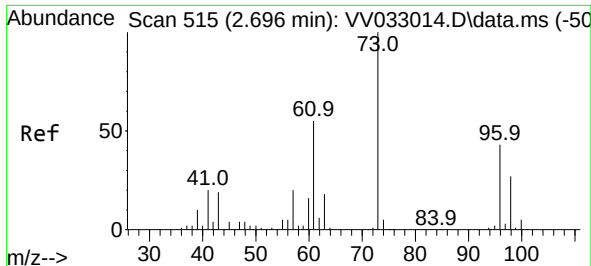
Tgt Ion: 43 Resp: 19334
Ion Ratio Lower Upper
43 100
74 26.5 22.7 34.1



#16
Methylene chloride
Concen: 10.611 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion: 84 Resp: 27508
Ion Ratio Lower Upper
84 100
86 62.5 44.7 83.1
49 112.0 76.6 142.3

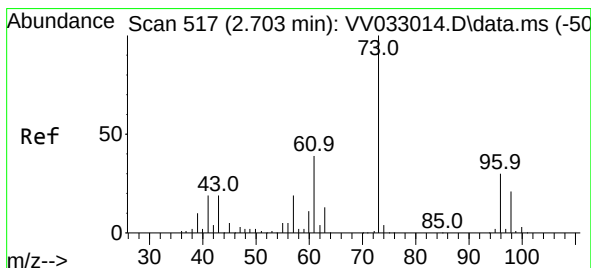
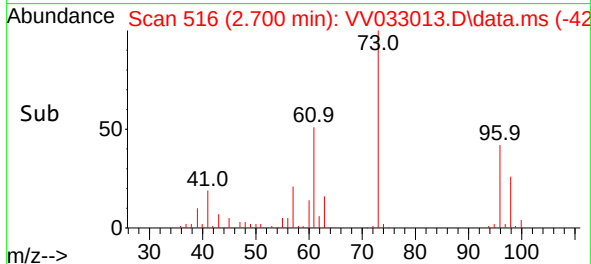
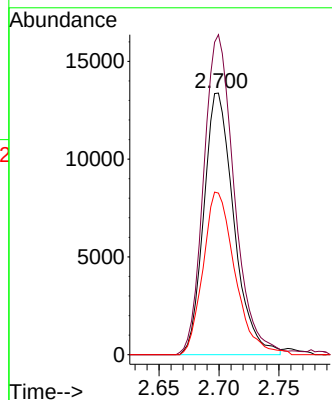
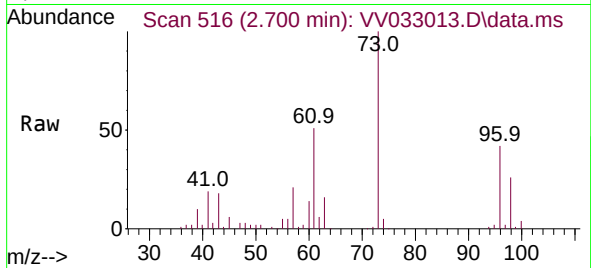




#17
trans-1,2-Dichloroethene
Concen: 9.983 ug/L
RT: 2.700 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

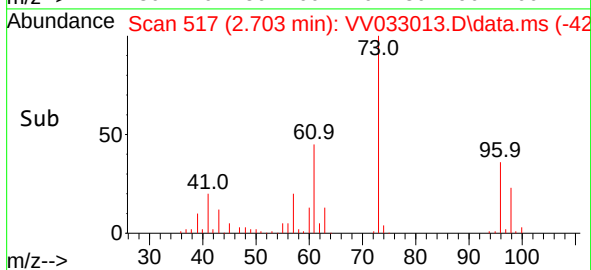
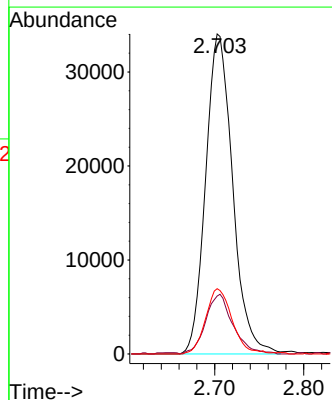
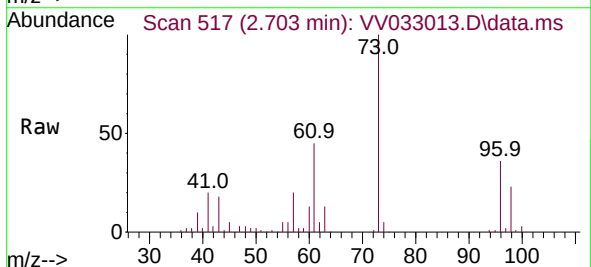
Instrument :
MSVOA_V
ClientSampleId :

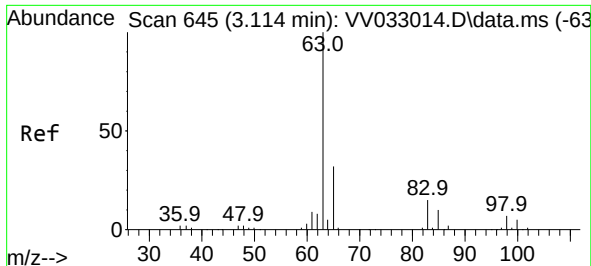
Tgt Ion: 96 Resp: 23379
Ion Ratio Lower Upper
96 100
61 122.3 89.5 166.3
98 61.8 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 9.752 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion: 73 Resp: 71635
Ion Ratio Lower Upper
73 100
43 18.9 15.2 22.8
57 19.8 15.8 23.8





#19

1,1-Dichloroethane

Concen: 10.356 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

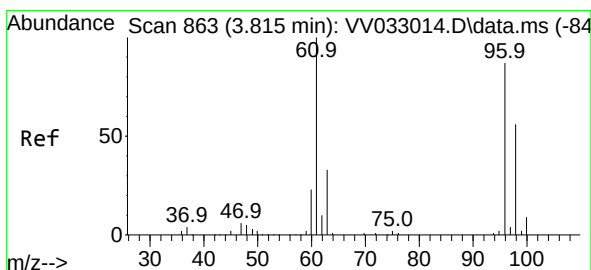
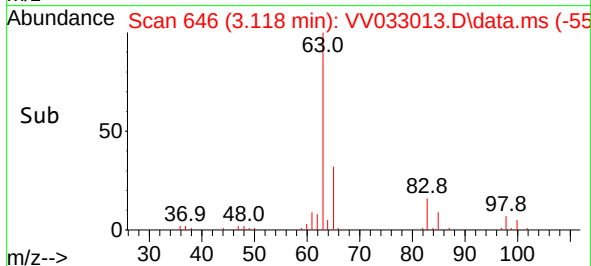
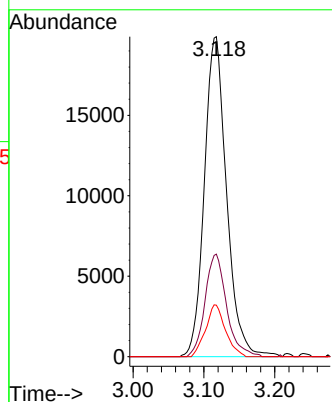
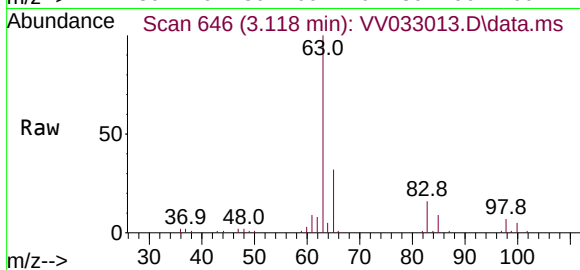
Tgt Ion: 63 Resp: 43322

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 16.1 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 9.877 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

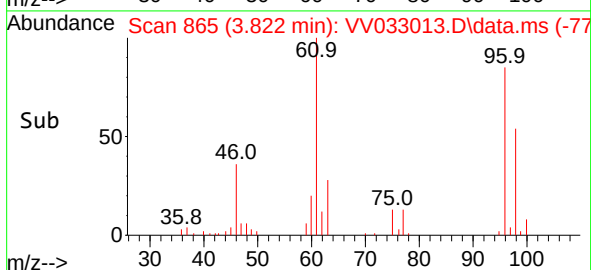
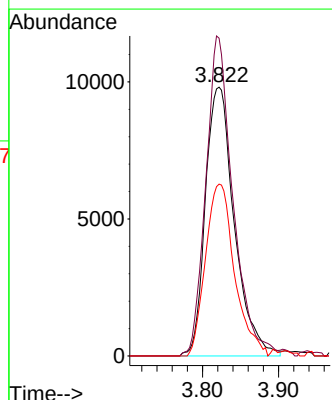
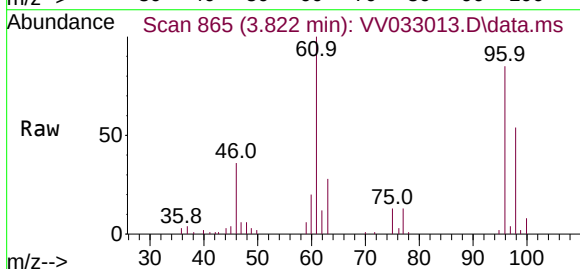
Tgt Ion: 96 Resp: 25933

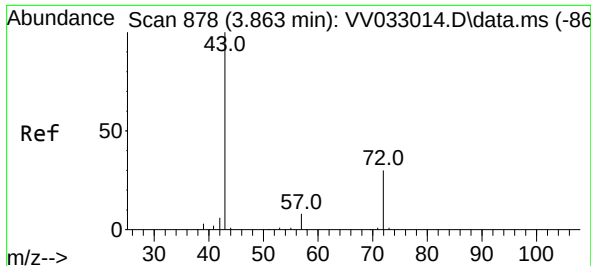
Ion Ratio Lower Upper

96 100

61 118.2 80.2 149.0

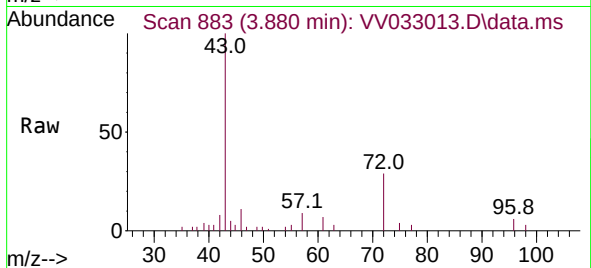
98 63.9 45.1 83.7



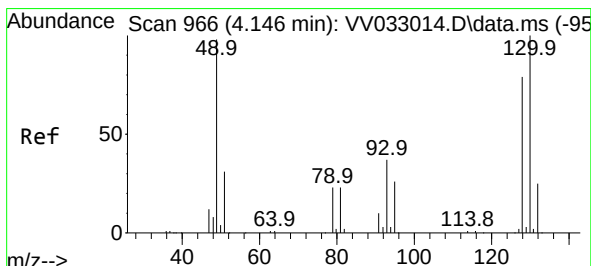
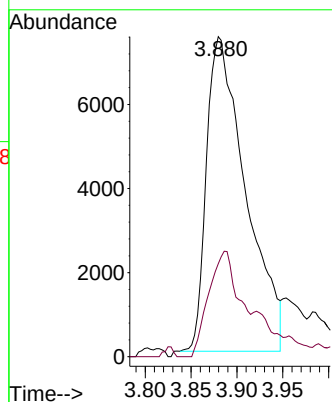
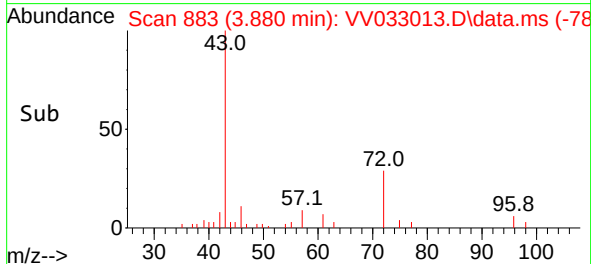


#22
2-Butanone
Concen: 16.155 ug/L
RT: 3.880 min Scan# 81
Delta R.T. 0.016 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

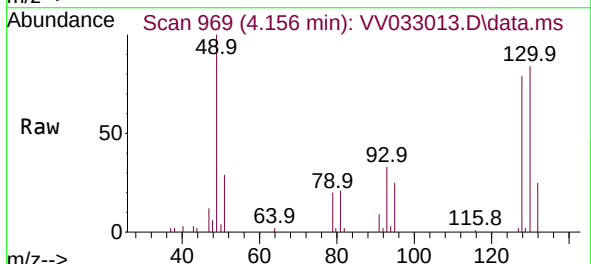
Instrument :
MSVOA_V
ClientSampleId :



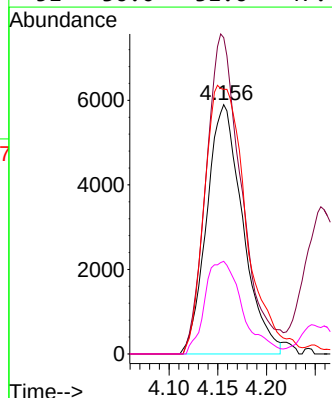
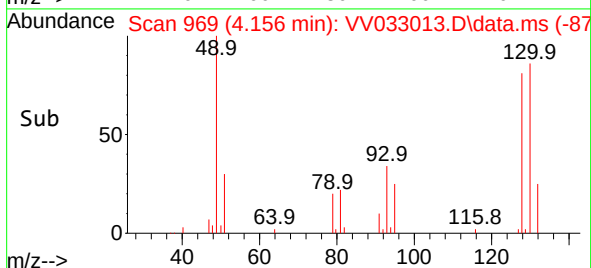
Tgt Ion: 43 Resp: 22290
Ion Ratio Lower Upper
43 100
72 26.0 13.9 41.7

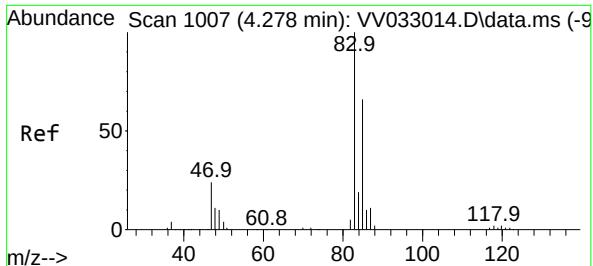


#23
Bromochloromethane
Concen: 10.491 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.010 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55



Tgt Ion: 128 Resp: 15151
Ion Ratio Lower Upper
128 100
49 123.1 87.1 161.7
130 103.0 88.1 163.5
51 36.0 31.6 47.4





#25

Chloroform

Concen: 10.243 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

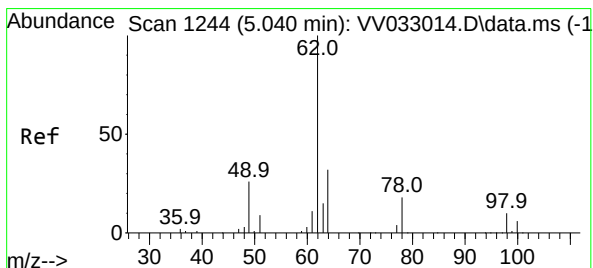
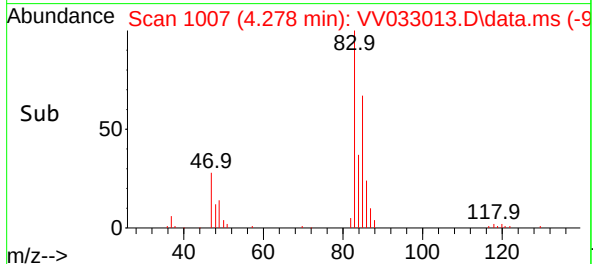
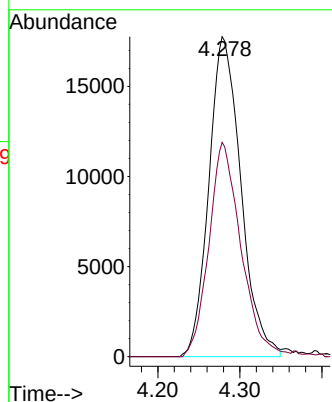
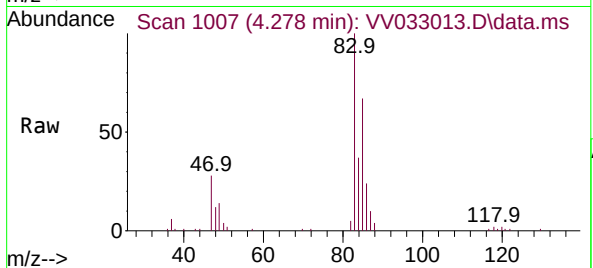
ClientSampleId :

Tgt Ion: 83 Resp: 48229

Ion Ratio Lower Upper

83 100

85 67.0 46.2 85.8



#27

1,2-Dichloroethane

Concen: 10.144 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VV033013.D

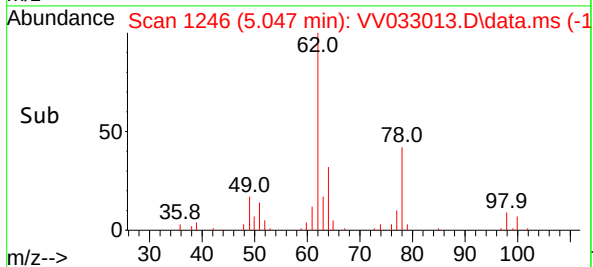
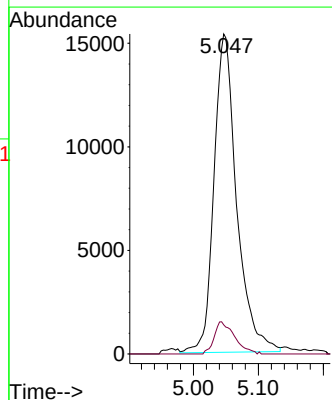
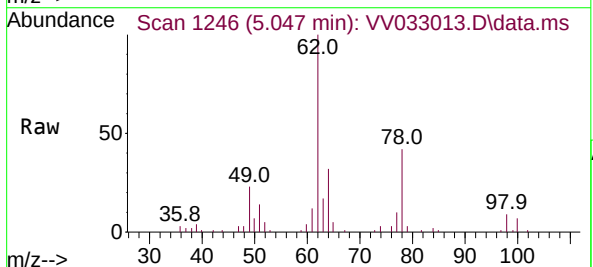
Acq: 20 Nov 2023 09:55

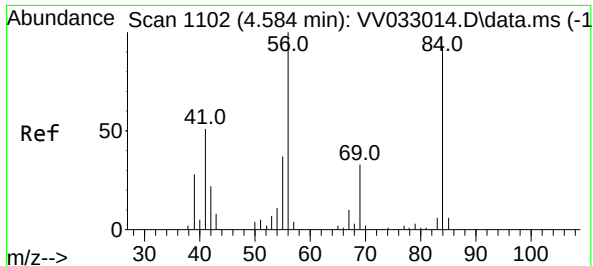
Tgt Ion: 62 Resp: 37261

Ion Ratio Lower Upper

62 100

98 9.1 8.3 12.5





#29

Cyclohexane

Concen: 9.903 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033013.D

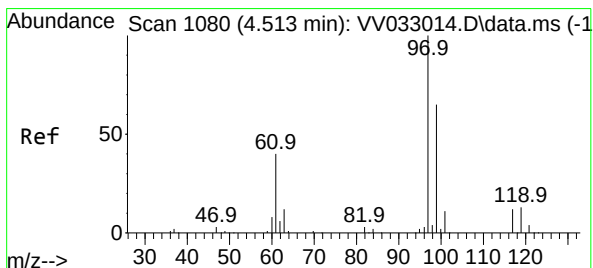
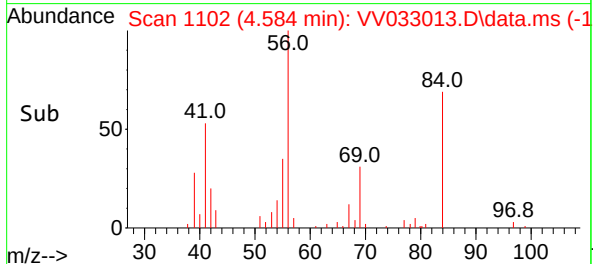
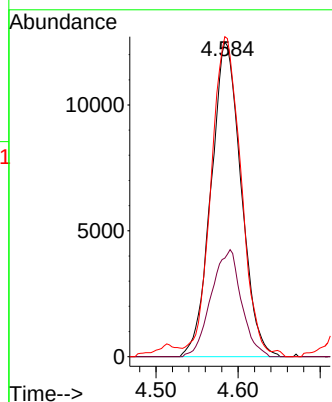
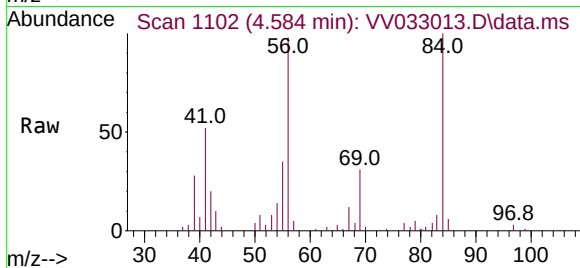
Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56	Resp: 31736
Ion Ratio	Lower Upper
56	100
69	34.2 26.7 40.1
84	100.2 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 10.109 ug/L

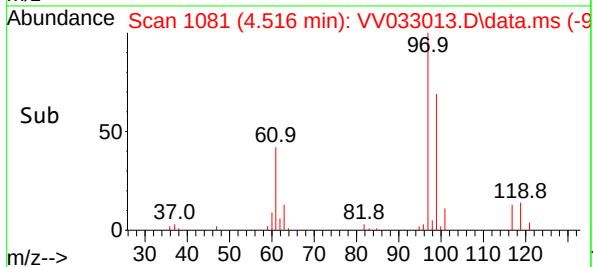
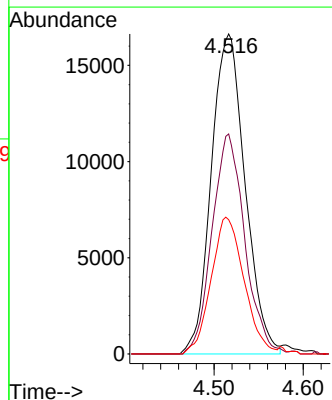
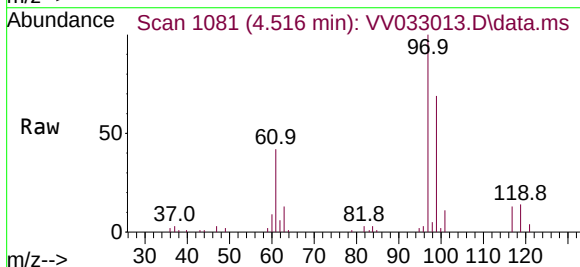
RT: 4.516 min Scan# 1081

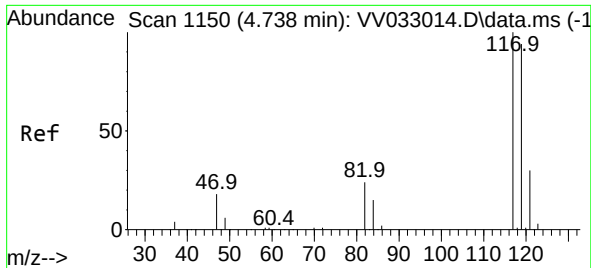
Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Tgt Ion: 97	Resp: 43855
Ion Ratio	Lower Upper
97	100
99	66.3 51.2 76.8
61	41.6 32.1 48.1

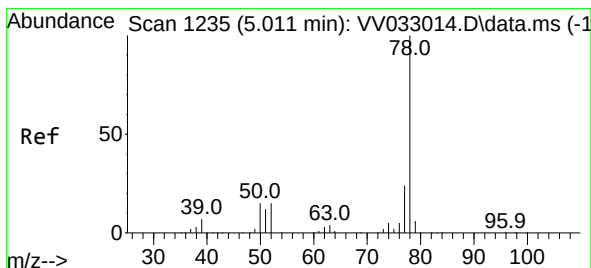
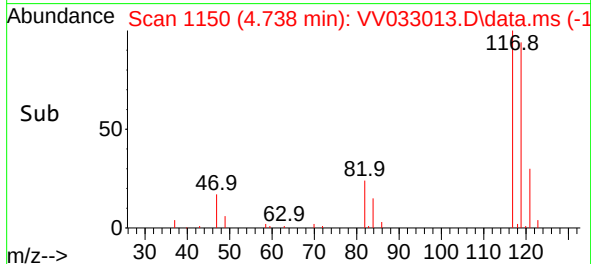
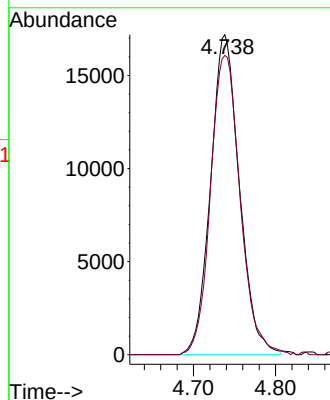
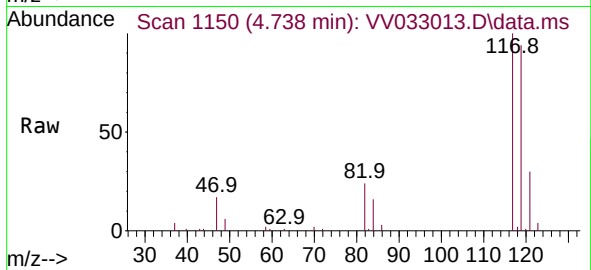




#31
Carbon tetrachloride
Concen: 10.364 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

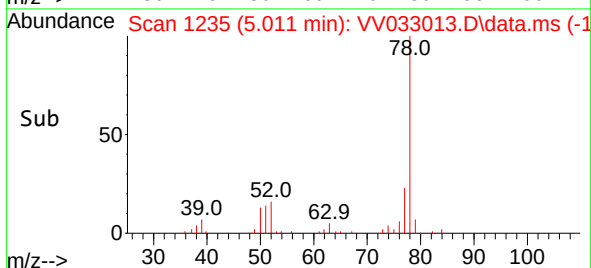
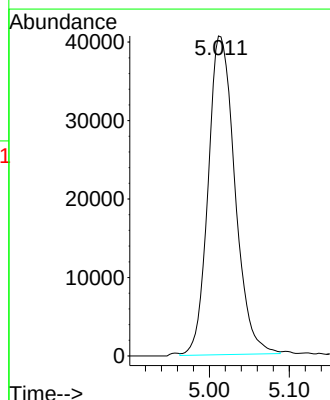
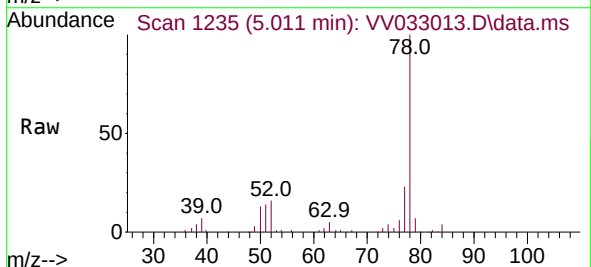
Instrument :
MSVOA_V
ClientSampleId :

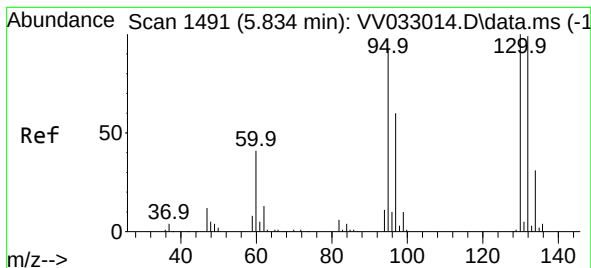
Tgt Ion:117 Resp: 41897
Ion Ratio Lower Upper
117 100
119 96.3 76.5 114.7



#33
Benzene
Concen: 10.222 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion: 78 Resp: 94440





#34

Trichloroethene

Concen: 10.178 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 26505

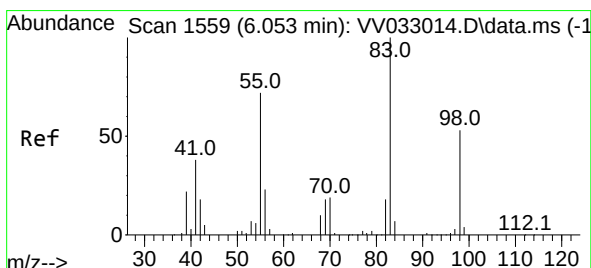
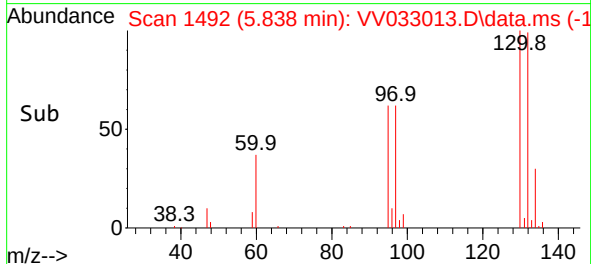
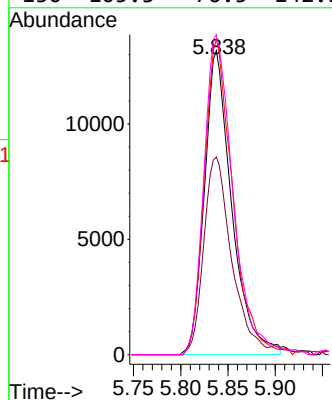
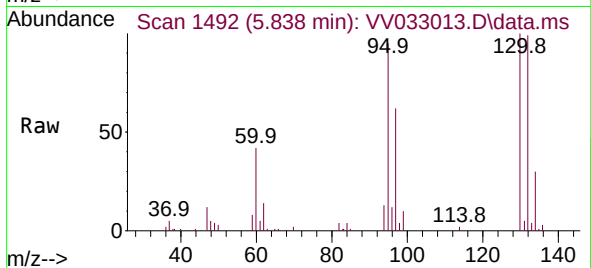
Ion Ratio Lower Upper

95 100

97 65.0 46.0 85.4

132 103.8 76.0 141.2

130 105.3 76.5 142.1



#35

Methylcyclohexane

Concen: 9.837 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

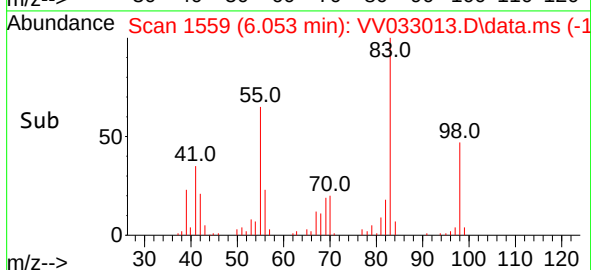
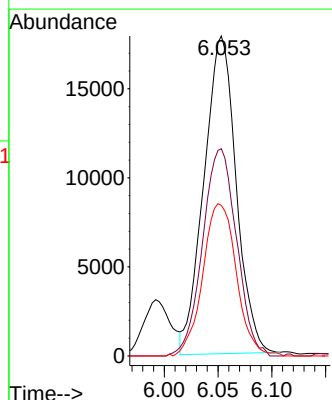
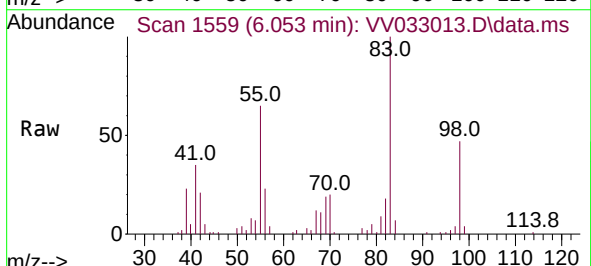
Tgt Ion: 83 Resp: 37230

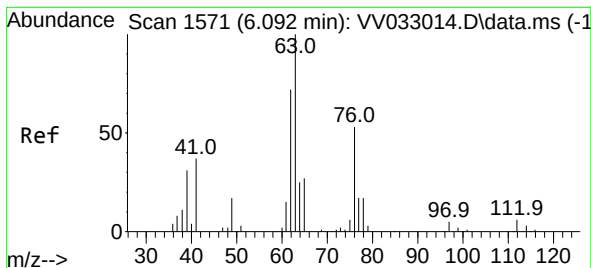
Ion Ratio Lower Upper

83 100

55 68.6 56.3 84.5

98 49.7 40.5 60.7





#37

1,2-Dichloropropane

Concen: 10.383 ug/L

RT: 6.095 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

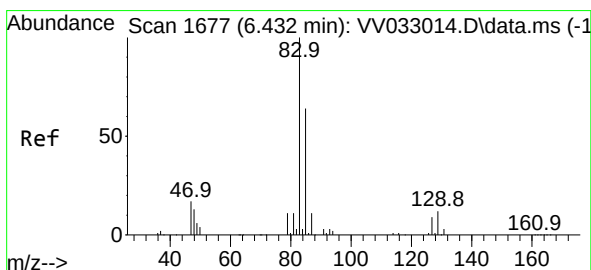
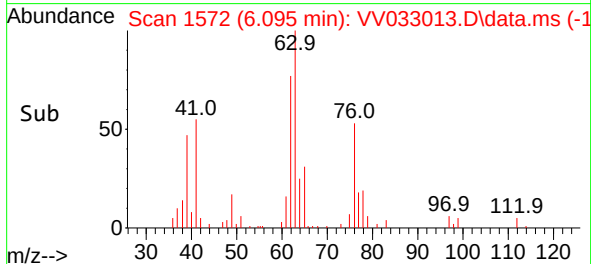
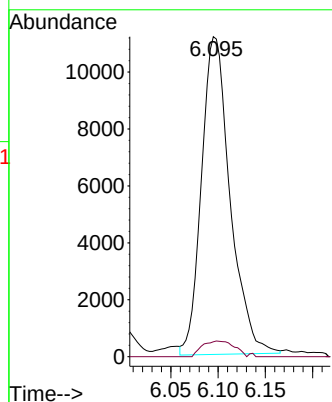
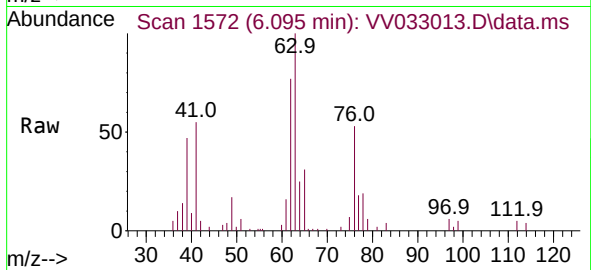
ClientSampleId :

Tgt Ion: 63 Resp: 23544

Ion Ratio Lower Upper

63 100

112 5.5 4.6 7.0



#38

Bromodichloromethane

Concen: 10.100 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

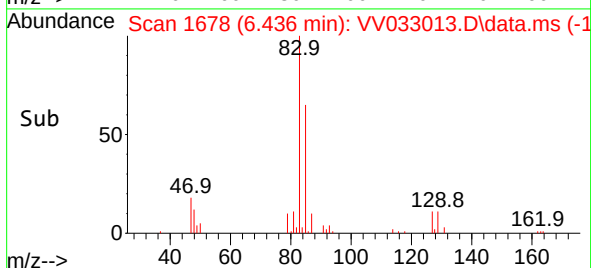
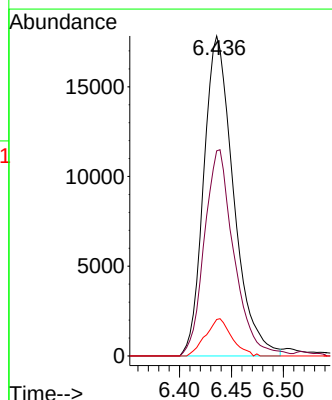
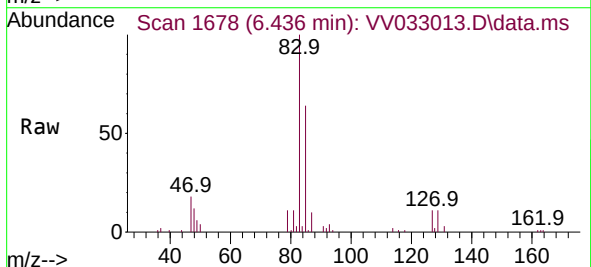
Tgt Ion: 83 Resp: 35585

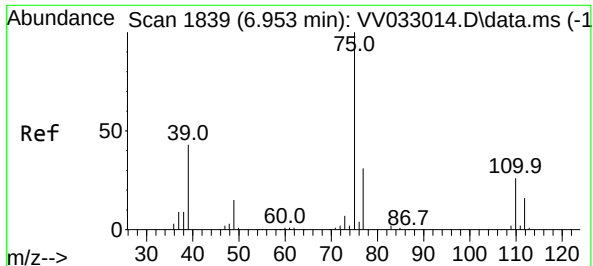
Ion Ratio Lower Upper

83 100

85 64.1 44.7 83.1

127 13.0 7.3 10.9#





#39

cis-1,3-Dichloropropene

Concen: 9.598 ug/L

RT: 6.960 min Scan# 1839

Delta R.T. 0.006 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

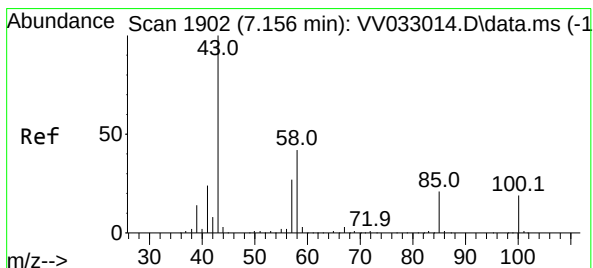
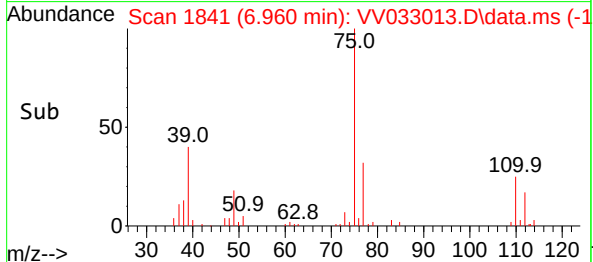
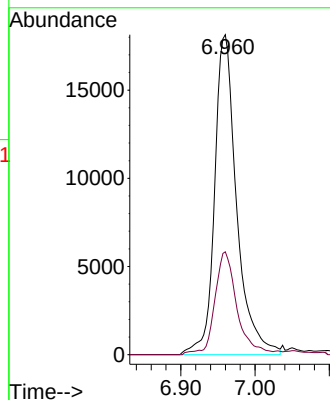
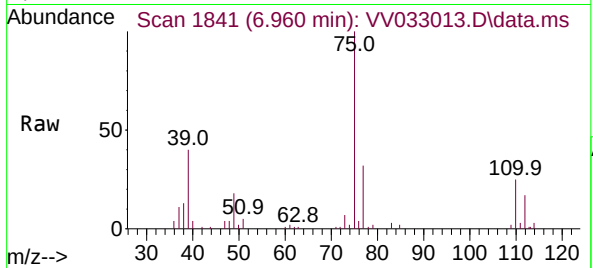
ClientSampleId :

Tgt Ion: 75 Resp: 37468

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 19.203 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

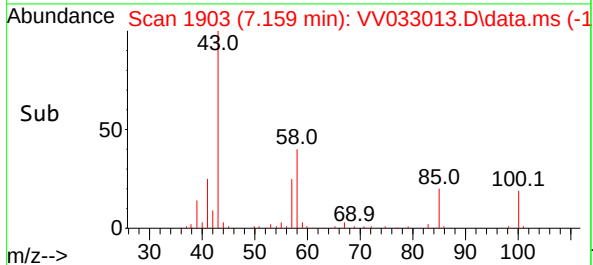
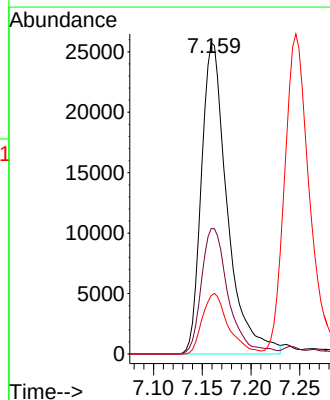
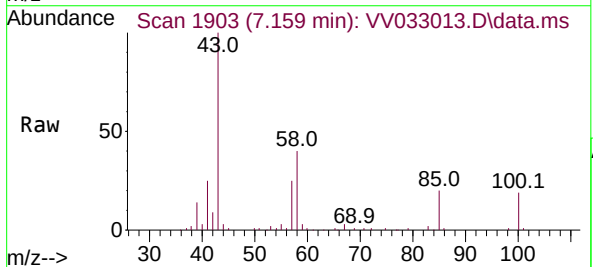
Tgt Ion: 43 Resp: 47632

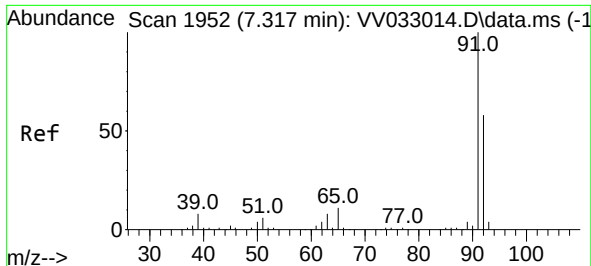
Ion Ratio Lower Upper

43 100

58 41.9 33.2 49.8

100 19.5 14.9 22.3





#42

Toluene

Concen: 10.039 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

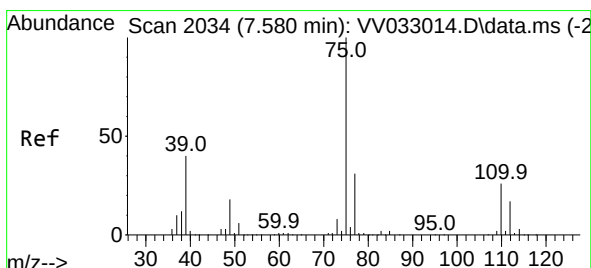
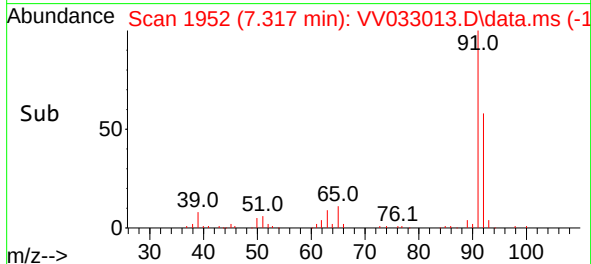
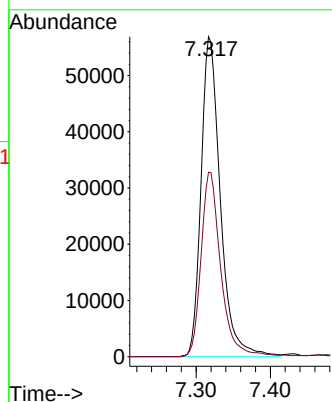
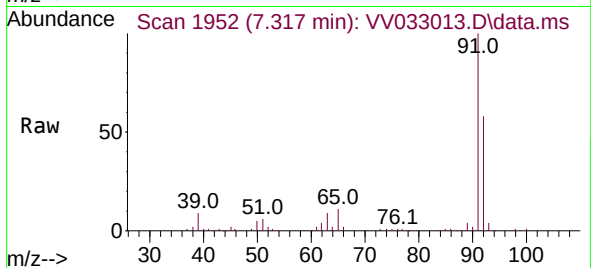
ClientSampleId :

Tgt Ion: 91 Resp: 102761

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 9.644 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV033013.D

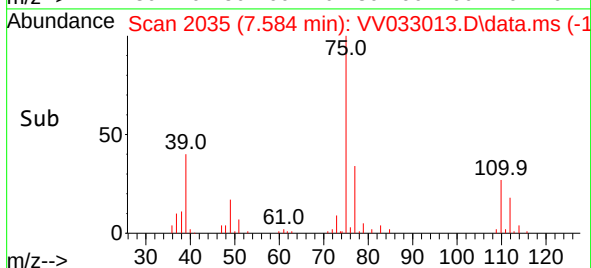
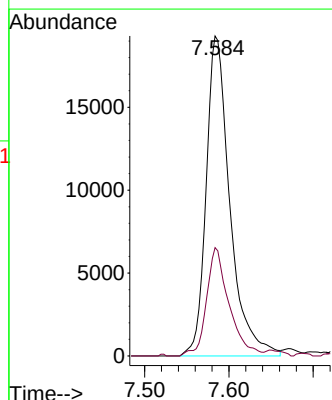
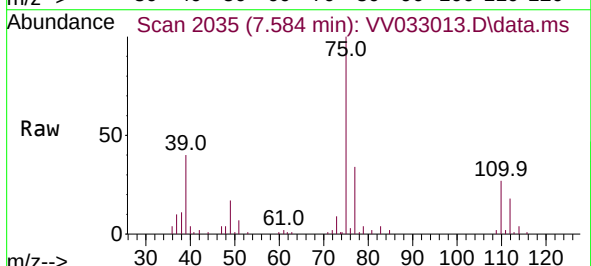
Acq: 20 Nov 2023 09:55

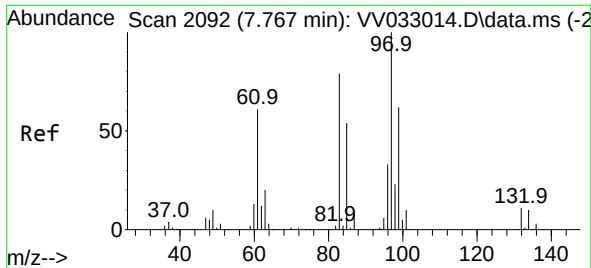
Tgt Ion: 75 Resp: 37833

Ion Ratio Lower Upper

75 100

77 33.9 21.9 40.7

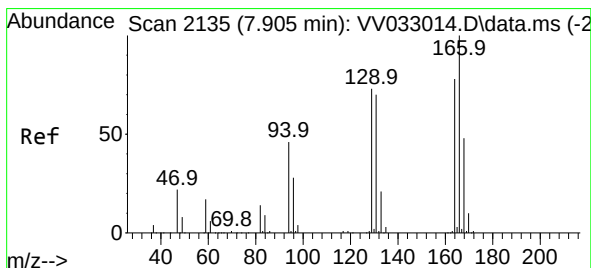
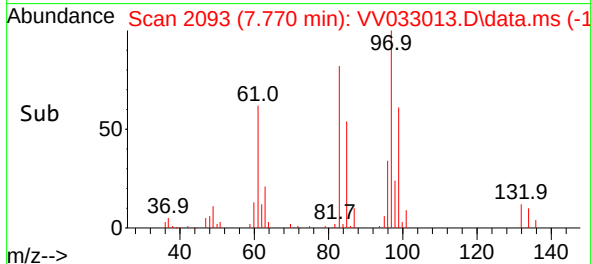
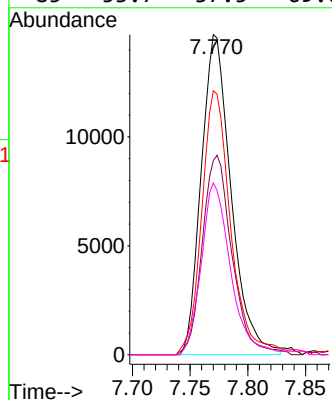
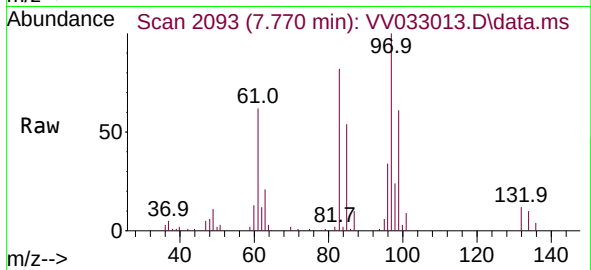




#45
1,1,2-Trichloroethane
Concen: 10.352 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

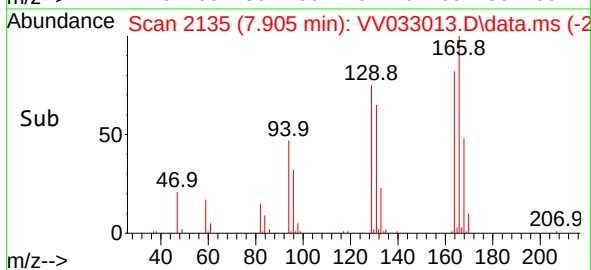
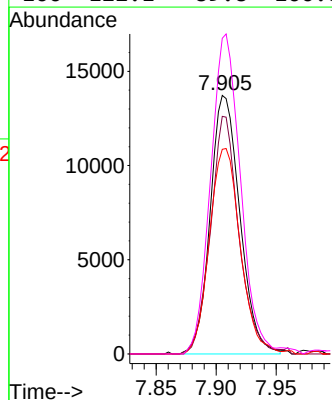
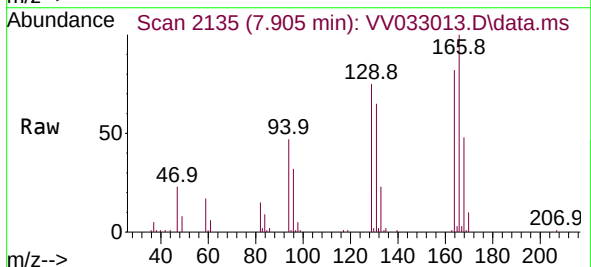
Instrument :
MSVOA_V
ClientSampleId :

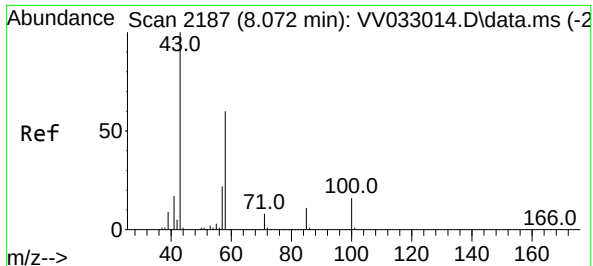
Tgt Ion:	97	Resp:	26437
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.5	80.9
83	82.4	55.6	103.2
85	53.7	37.5	69.6



#46
Tetrachloroethene
Concen: 10.400 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion:	164	Resp:	23600
Ion	Ratio	Lower	Upper
164	100		
129	91.9	65.7	122.1
131	79.2	62.5	116.1
166	122.1	89.8	166.8

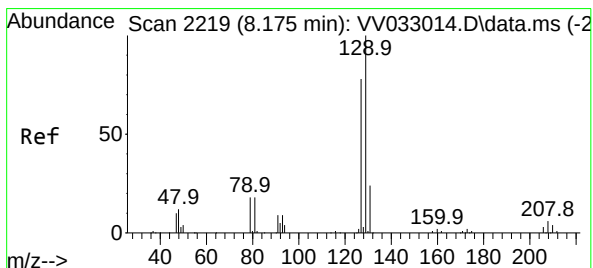
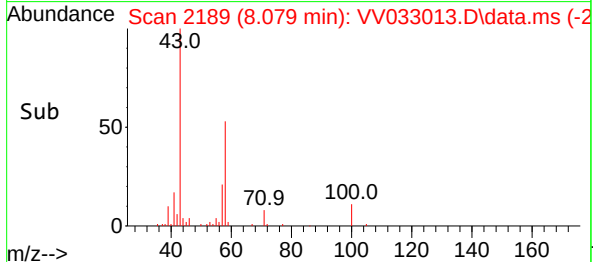
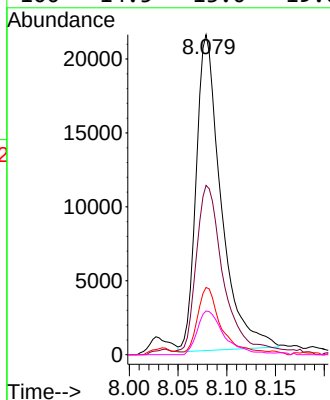
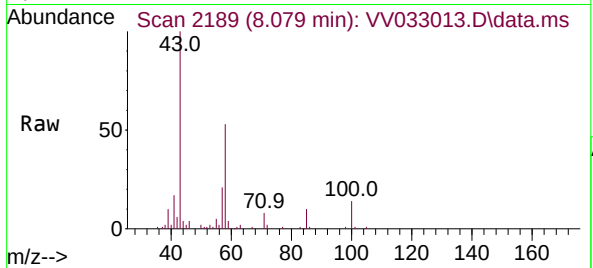




#48
2-Hexanone
Concen: 19.392 ug/L
RT: 8.079 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

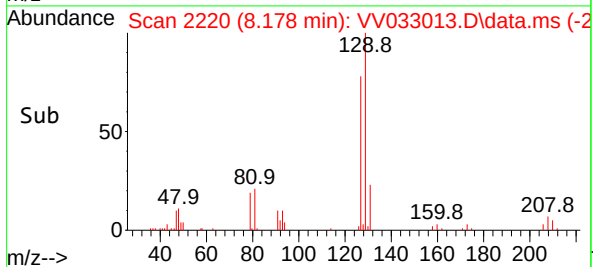
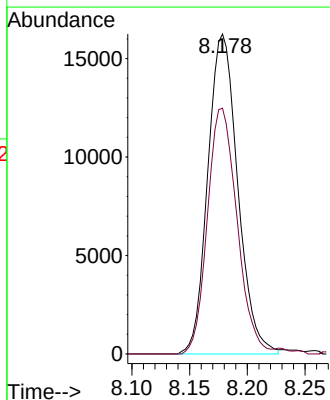
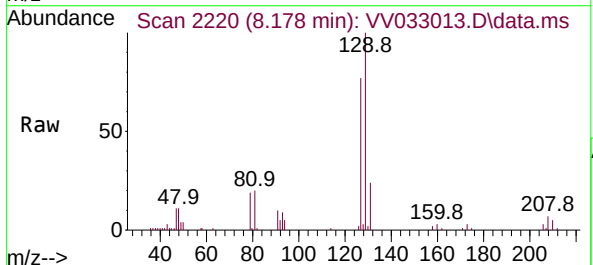
Instrument :
MSVOA_V
ClientSampleId :

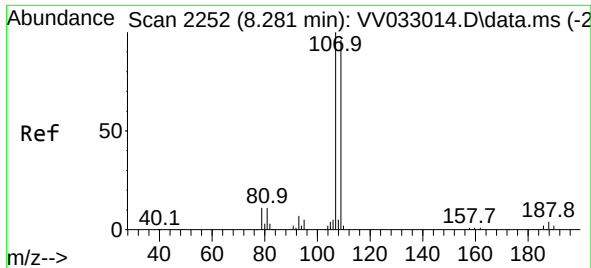
Tgt Ion: 43	Resp: 38054
Ion Ratio	Lower Upper
43 100	
58 54.7	47.0 70.6
57 18.8	17.0 25.6
100 14.5	13.0 19.6



#49
Dibromochloromethane
Concen: 9.962 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion:129	Resp:	29321	
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.4	101.0





#50

1,2-Dibromoethane

Concen: 9.956 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033013.D

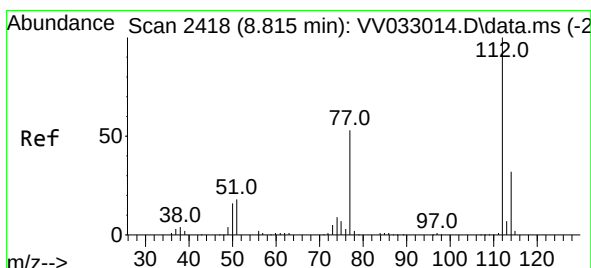
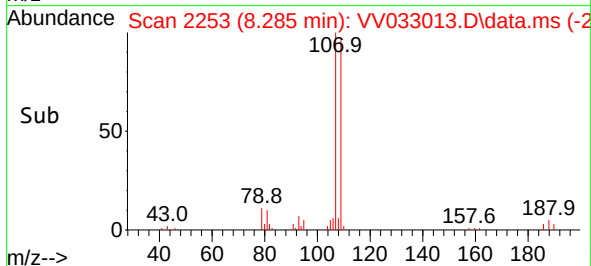
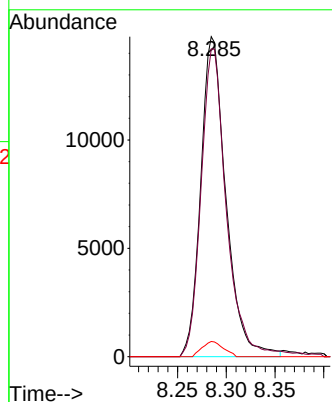
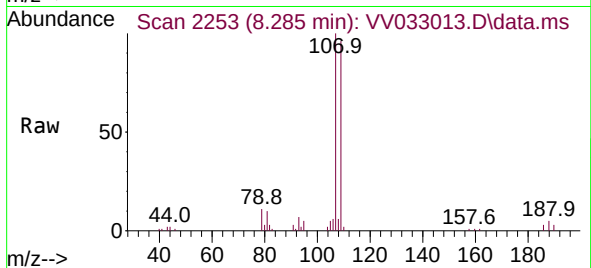
Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	26628
Ion	Ratio	Lower	Upper
107	100		
109	96.2	67.3	125.1
188	4.7	3.3	4.9



#51

Chlorobenzene

Concen: 10.034 ug/L

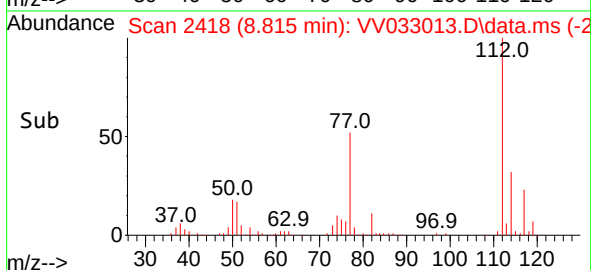
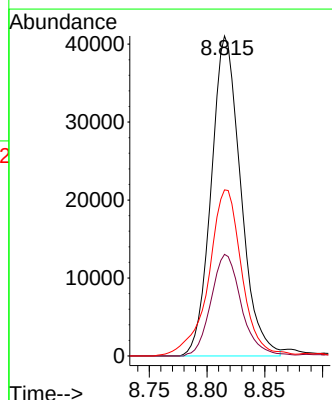
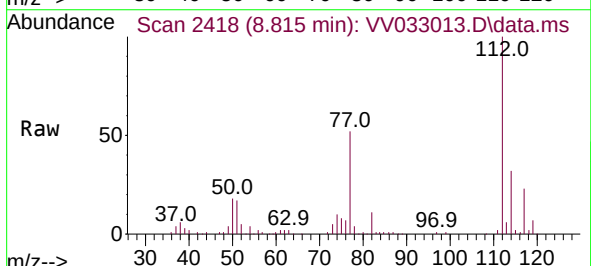
RT: 8.815 min Scan# 2418

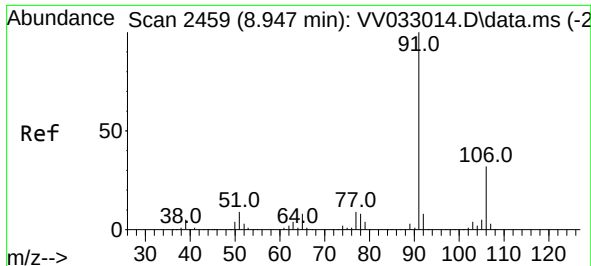
Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Tgt Ion:	112	Resp:	72891
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.5
77	51.9	43.0	64.6

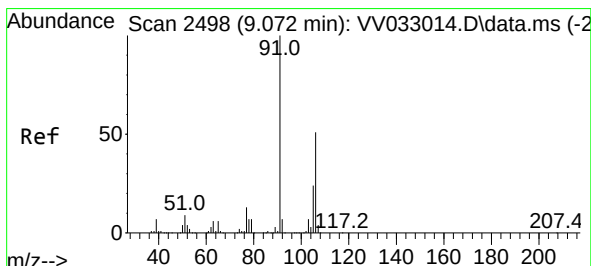
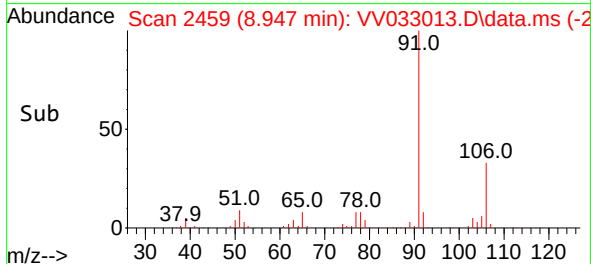
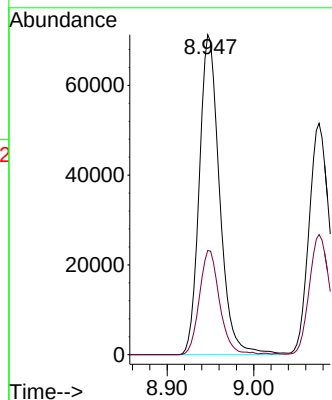
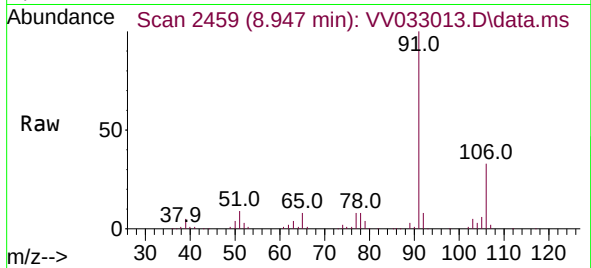




#52
Ethylbenzene
Concen: 9.850 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

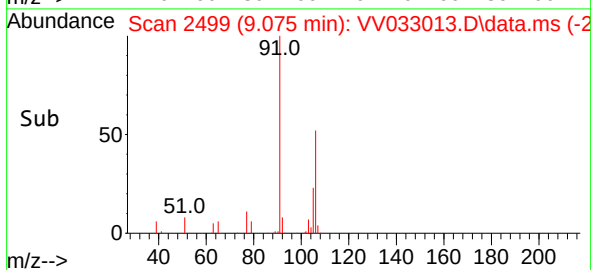
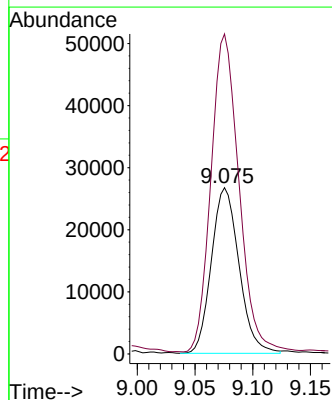
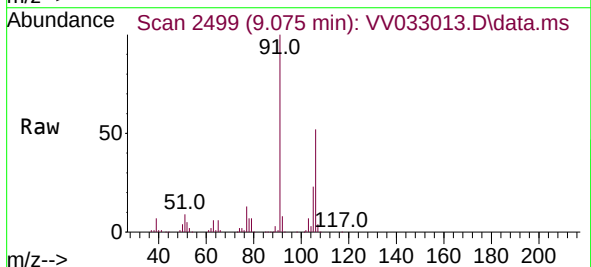
Instrument :
MSVOA_V
ClientSampleId :

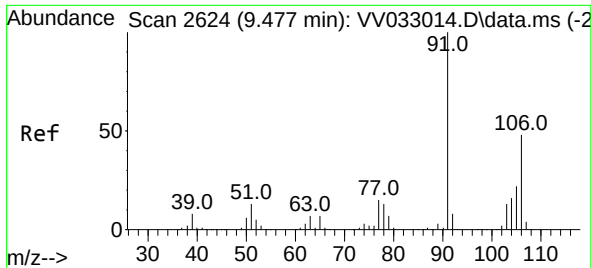
Tgt Ion: 91 Resp: 115755
Ion Ratio Lower Upper
91 100
106 32.5 22.1 41.1



#53
m,p-Xylene
Concen: 9.621 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion: 106 Resp: 44420
Ion Ratio Lower Upper
106 100
91 192.5 138.6 257.4

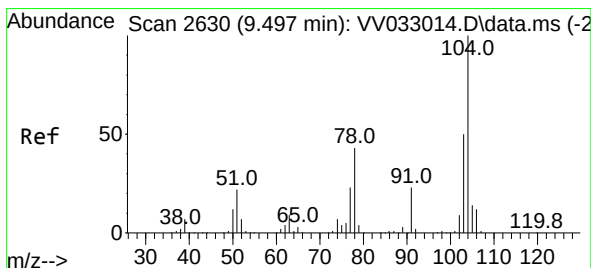
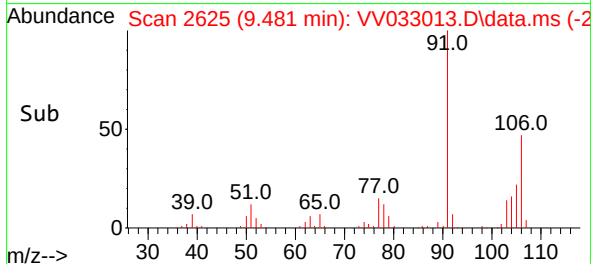
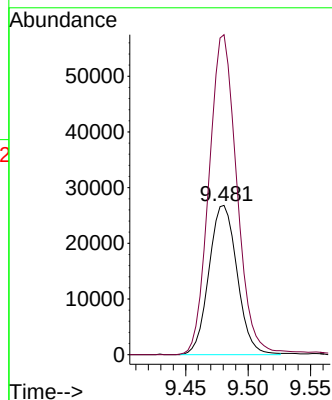
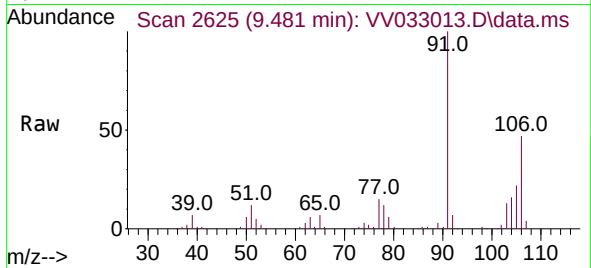




#54
o-Xylene
Concen: 9.506 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

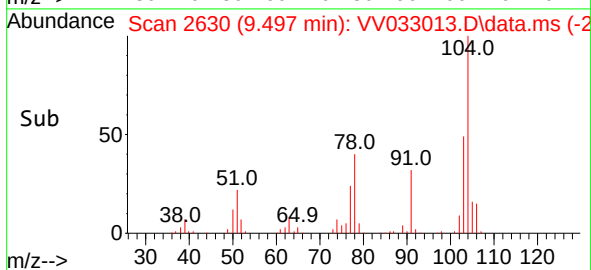
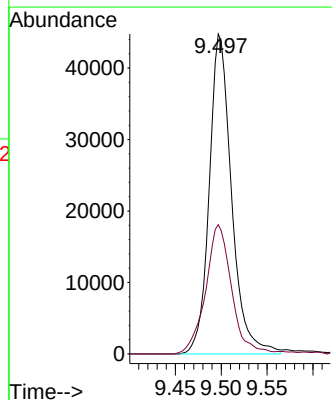
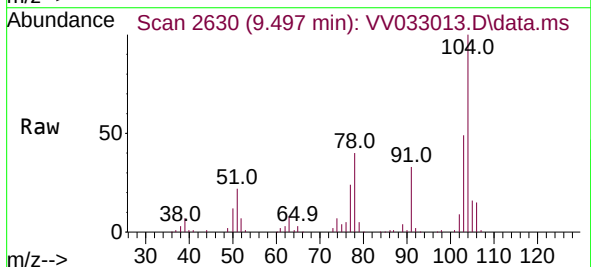
Instrument :
MSVOA_V
ClientSampleId :

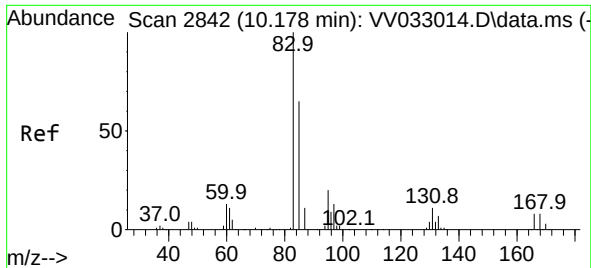
Tgt Ion:106 Resp: 42246
Ion Ratio Lower Upper
106 100
91 214.4 147.3 273.5



#55
Styrene
Concen: 9.558 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion:104 Resp: 75774
Ion Ratio Lower Upper
104 100
78 40.4 30.2 56.2

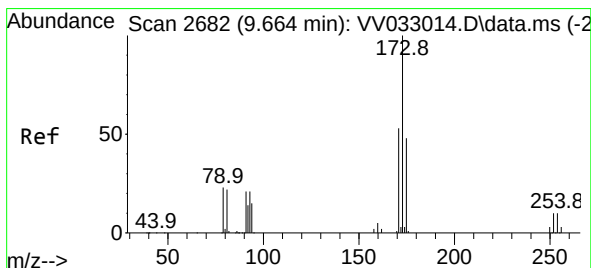
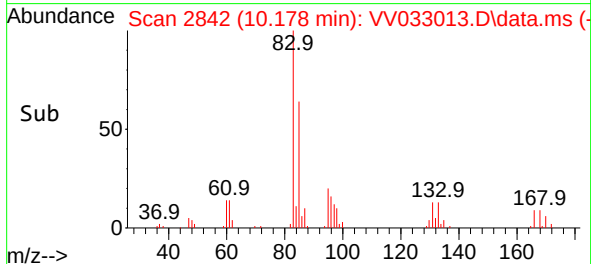
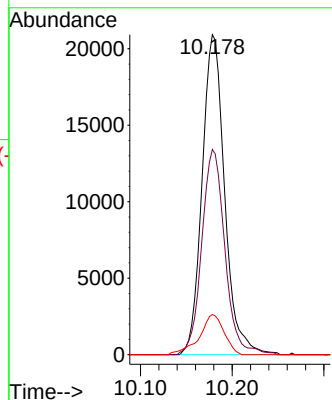
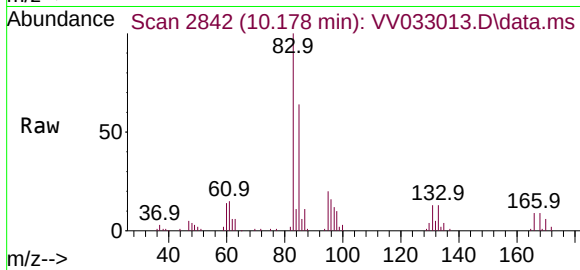




#57
 1,1,2,2-Tetrachloroethane
 Concen: 9.911 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033013.D
 Acq: 20 Nov 2023 09:55

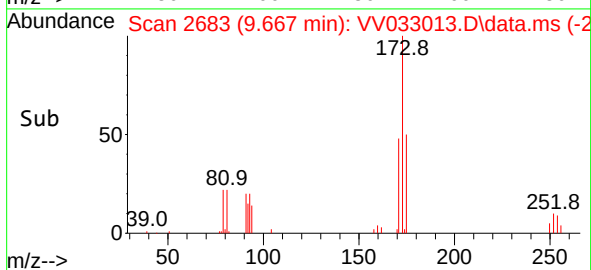
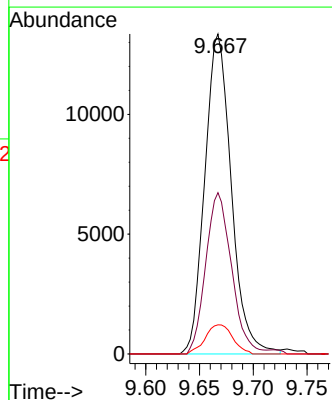
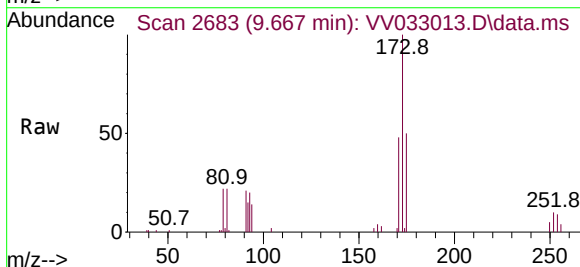
Instrument :
 MSVOA_V
 ClientSampleId :

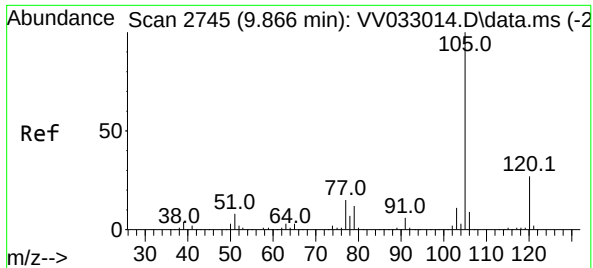
Tgt Ion: 83 Resp: 35756
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.8 85.2
 131 12.5 9.4 14.0



#59
 Bromoform
 Concen: 10.299 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.003 min
 Lab File: VV033013.D
 Acq: 20 Nov 2023 09:55

Tgt Ion: 173 Resp: 22905
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.7 58.1
 254 9.4 7.9 11.9

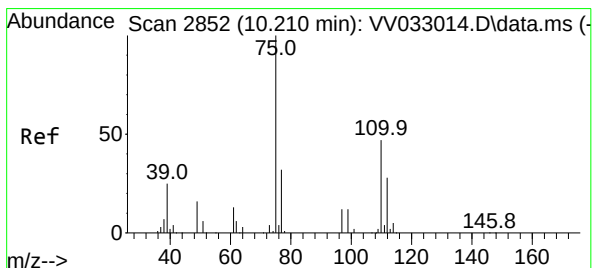
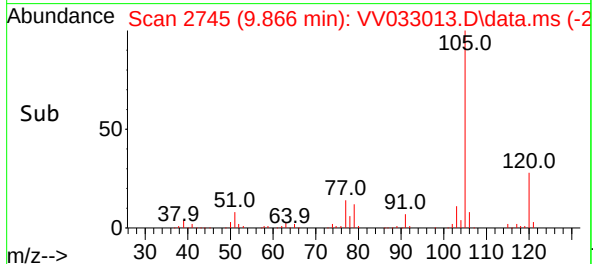
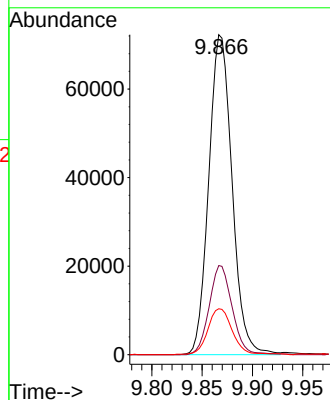
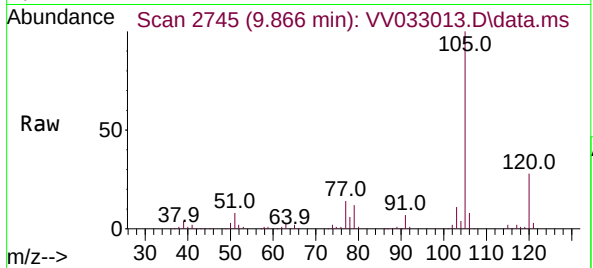




#60
Isopropylbenzene
Concen: 10.077 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

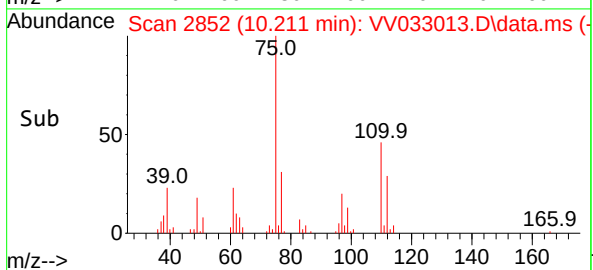
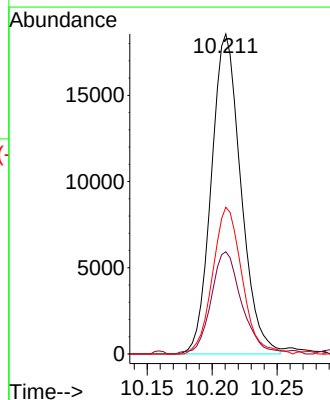
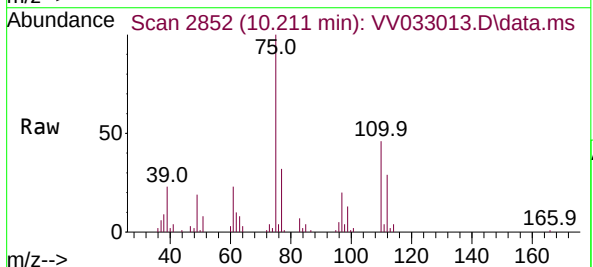
Instrument :
MSVOA_V
ClientSampleId :

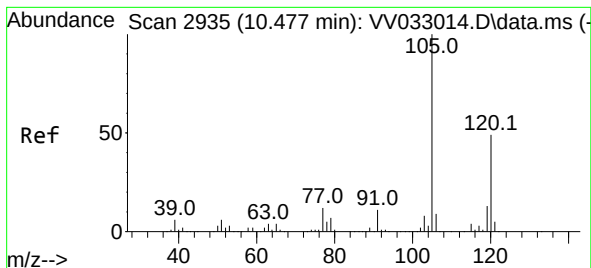
Tgt Ion:105 Resp: 116577
Ion Ratio Lower Upper
105 100
120 27.5 21.4 32.2
77 14.5 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 10.655 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033013.D
Acq: 20 Nov 2023 09:55

Tgt Ion: 75 Resp: 29333
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
110 45.8 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 9.504 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

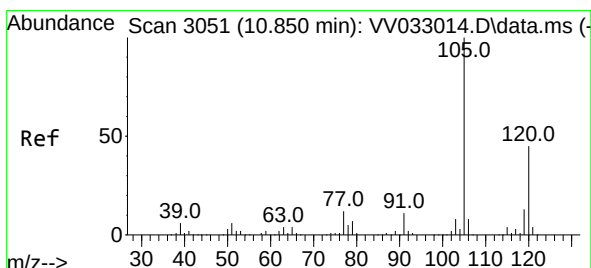
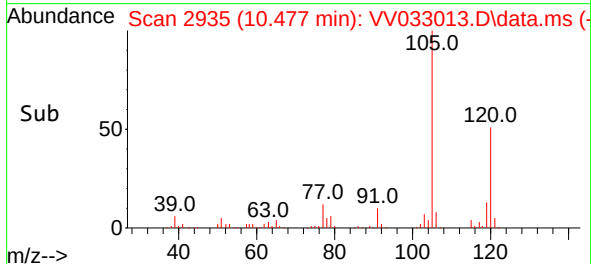
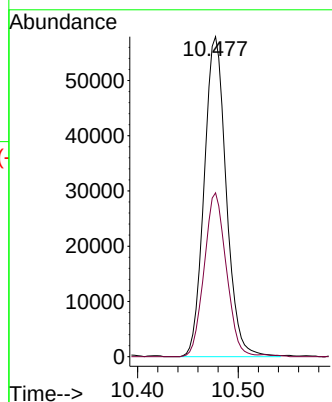
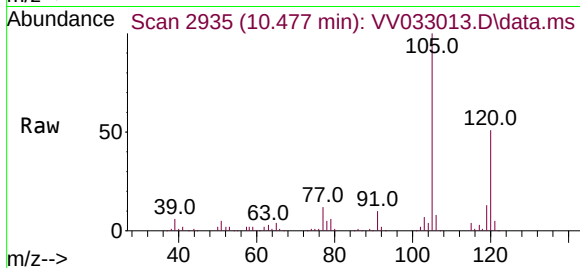
ClientSampleId :

Tgt Ion:105 Resp: 88218

Ion Ratio Lower Upper

105 100

120 51.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 9.335 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033013.D

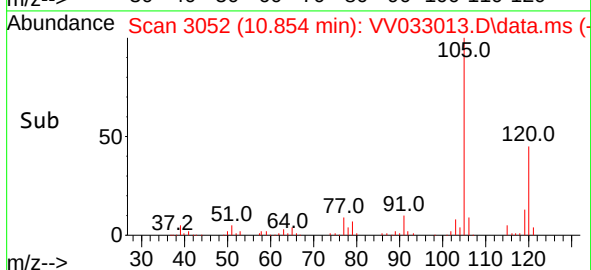
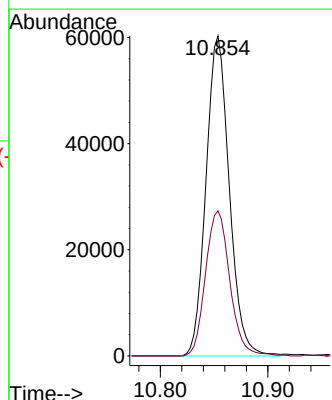
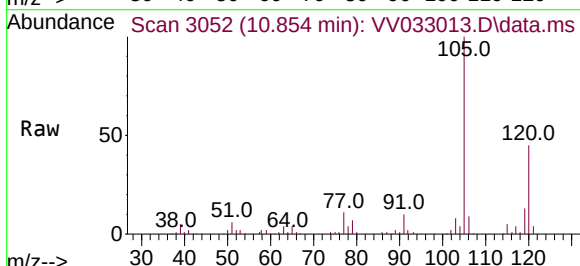
Acq: 20 Nov 2023 09:55

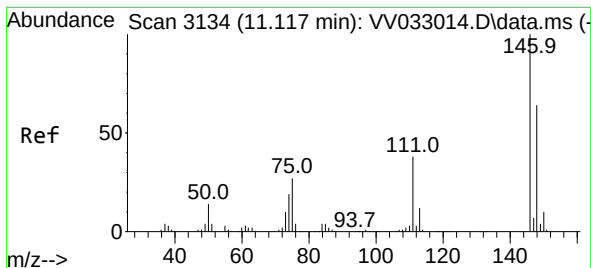
Tgt Ion:105 Resp: 90766

Ion Ratio Lower Upper

105 100

120 47.3 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 10.070 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

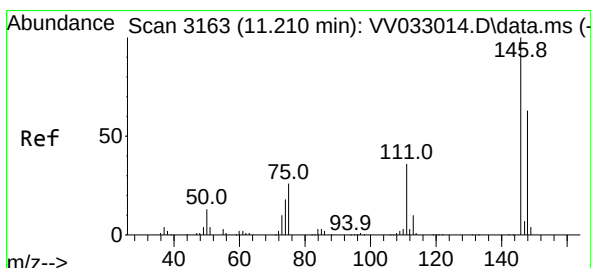
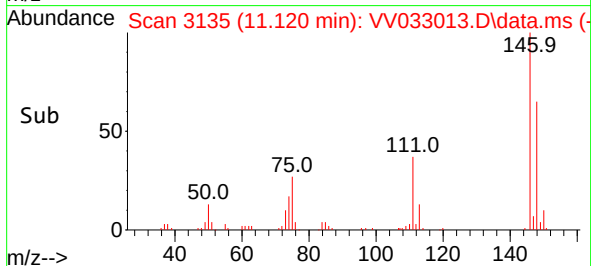
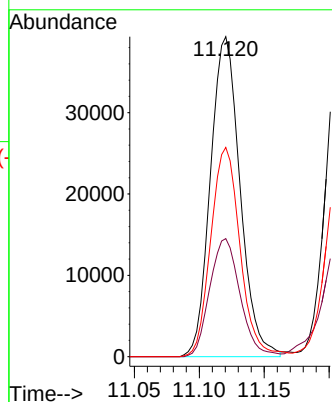
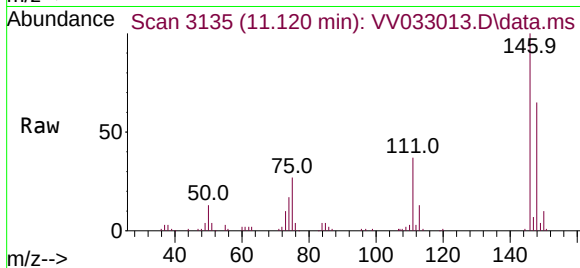
Tgt Ion:146 Resp: 62414

Ion Ratio Lower Upper

146 100

111 36.9 26.5 49.1

148 65.4 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 10.381 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

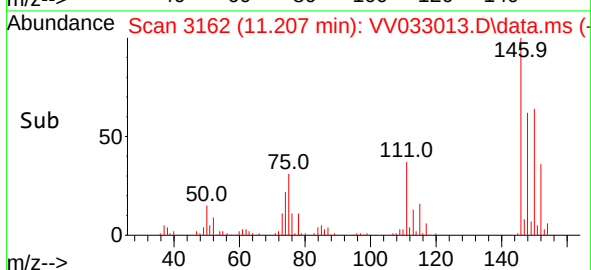
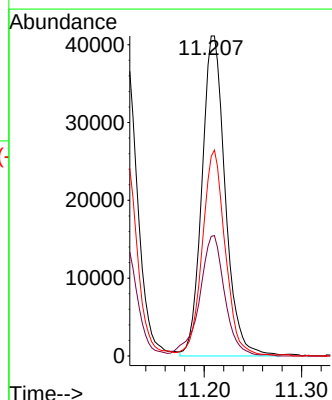
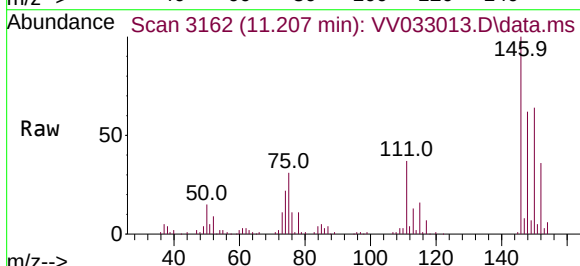
Tgt Ion:146 Resp: 68390

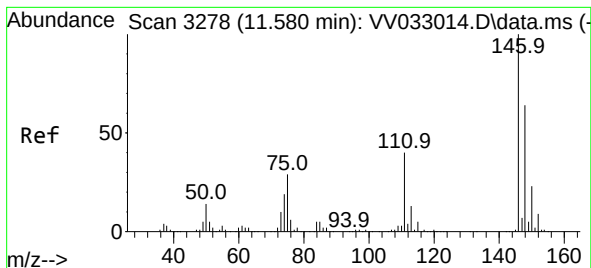
Ion Ratio Lower Upper

146 100

111 37.4 25.1 46.7

148 62.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 10.001 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

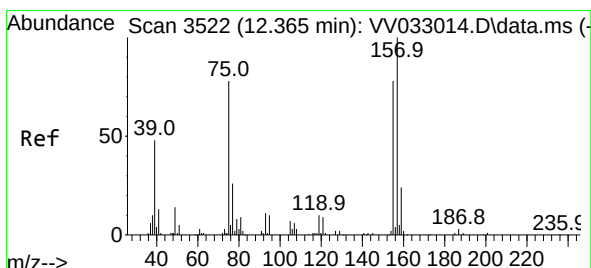
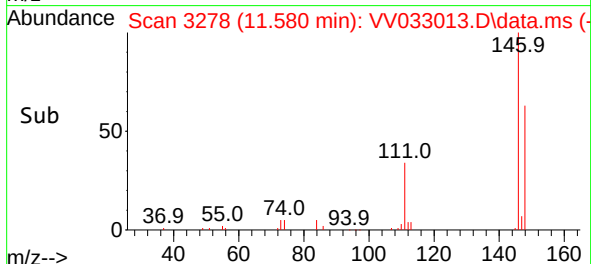
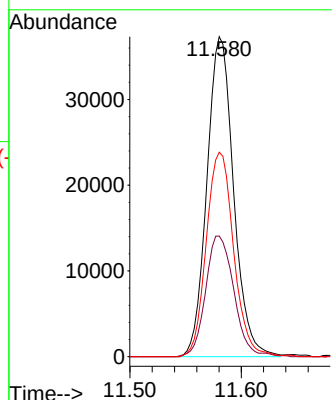
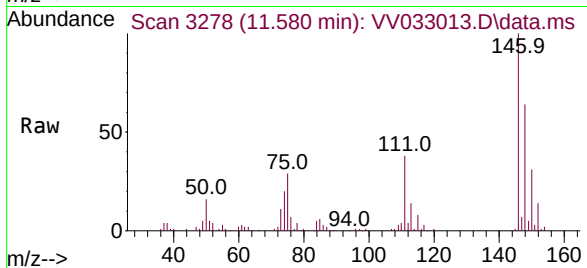
Tgt Ion:146 Resp: 62202

Ion Ratio Lower Upper

146 100

111 37.7 31.8 47.6

148 63.9 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 9.922 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

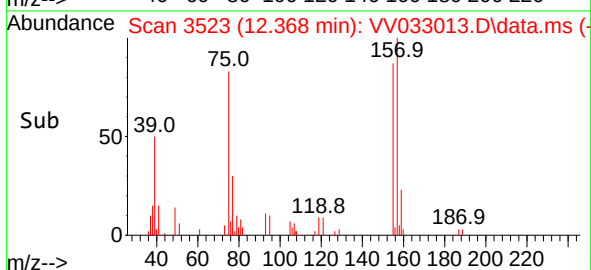
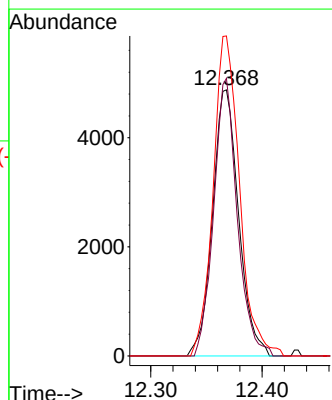
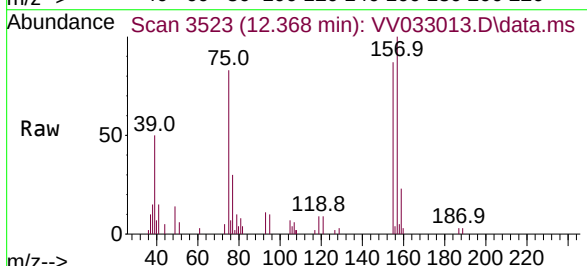
Tgt Ion: 75 Resp: 7946

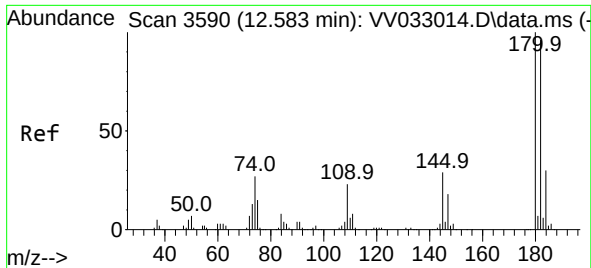
Ion Ratio Lower Upper

75 100

155 104.3 79.8 119.8

157 120.2 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 9.922 ug/L

RT: 12.583 min Scan# 31

Delta R.T. 0.000 min

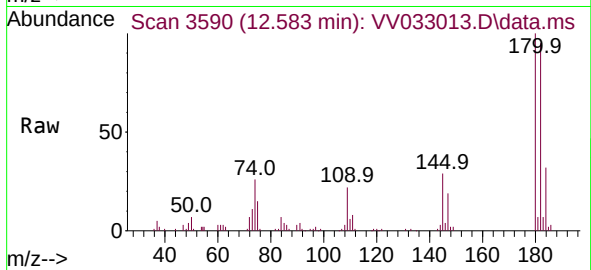
Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 47813

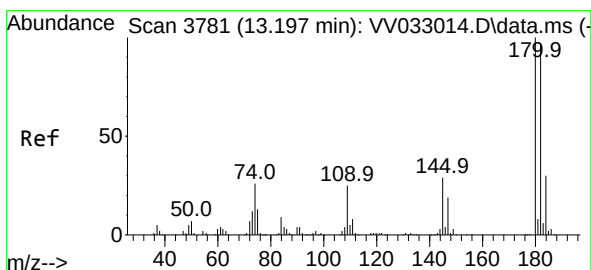
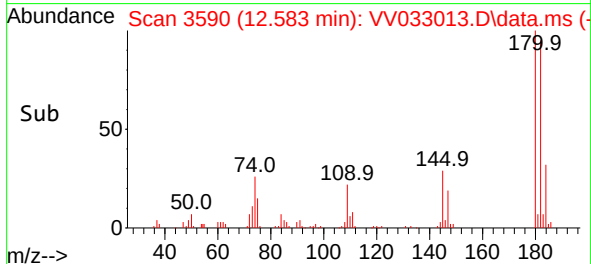
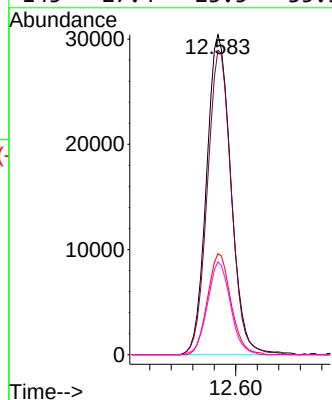
Ion Ratio Lower Upper

180 100

182 93.6 76.6 115.0

184 30.3 24.5 36.7

145 27.4 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 9.795 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

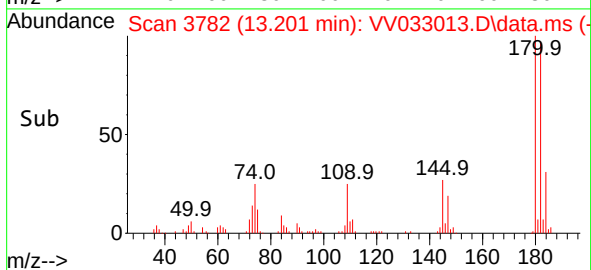
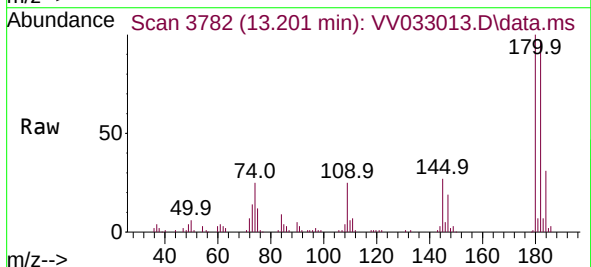
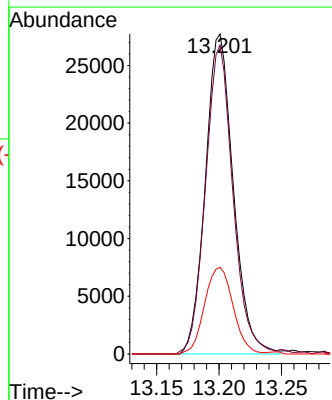
Tgt Ion:180 Resp: 43256

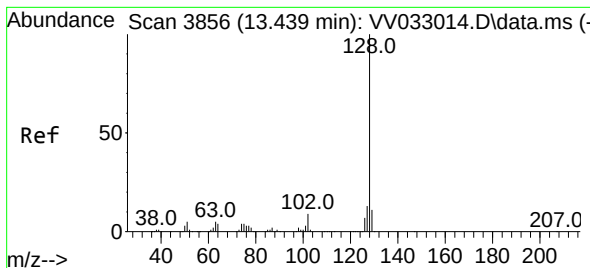
Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 27.5 23.2 34.8





#71

Naphthalene

Concen: 9.380 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

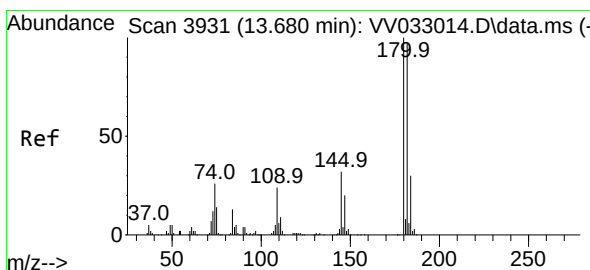
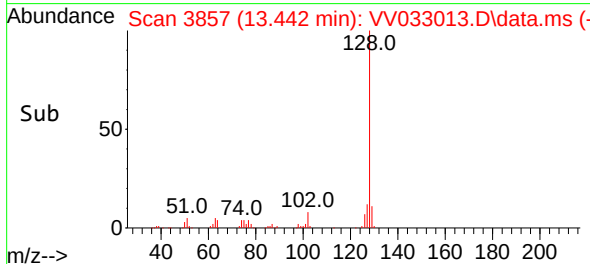
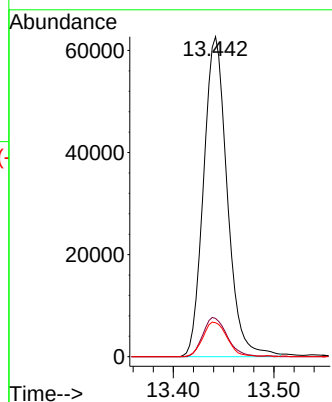
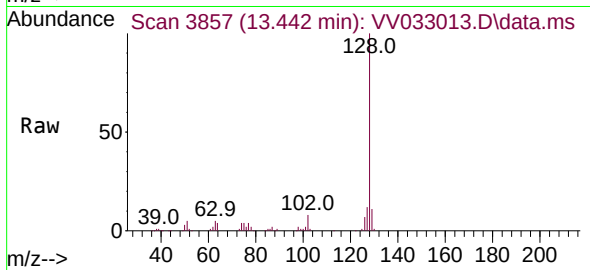
Tgt Ion:128 Resp: 102455

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 11.2 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 9.924 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033013.D

Acq: 20 Nov 2023 09:55

Tgt Ion:180 Resp: 42491

Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 31.8 25.5 38.3

