

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053024\
 Data File : VV035881.D
 Acq On : 30 May 2024 09:29
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 31 00:06:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	470943	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	479624	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	247882	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	45104	5.858	ug/L	0.00
7) Chloroethane-d5	1.529	69	35119	5.704	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	20864	6.163	ug/L	0.00
21) 2-Butanone-d5	3.847	46	145	0.071	ug/L	0.00
24) Chloroform-d	4.246	84	77252	5.411	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	39980	5.586	ug/L	0.00
32) Benzene-d6	4.960	84	143243	5.270	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	45706	5.462	ug/L	0.00
41) Toluene-d8	7.243	98	120683	4.977	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	17309	4.867	ug/L	0.00
47) 2-Hexanone-d5	8.046	63	8641	6.035	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.152	84	36564	4.839	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	45639	5.195	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	42504	4.536	ug/L	99
3) Chloromethane	1.211	50	48151	4.930	ug/L	98
5) Vinyl chloride	1.278	62	49332	4.914	ug/L	100
6) Bromomethane	1.484	94	30966	4.881	ug/L	98
8) Chloroethane	1.545	64	31205	5.059	ug/L	100
9) Trichlorofluoromethane	1.709	101	62294	4.853	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	39886	4.934	ug/L	99
12) 1,1-Dichloroethene	2.063	96	37943	5.125	ug/L	96
14) Carbon disulfide	2.233	76	127913	5.213	ug/L	100
15) Methyl Acetate	2.388	43	16353	3.735	ug/L	92
16) Methylene chloride	2.442	84	59311	5.472	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	38730	4.730	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	79088	4.084	ug/L	98
19) 1,1-Dichloroethane	3.108	63	73007	4.790	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	36271	4.170	ug/L	95
23) Bromochloromethane	4.149	128	18527	4.376	ug/L	97
25) Chloroform	4.275	83	75739	4.827	ug/L	98
27) 1,2-Dichloroethane	5.047	62	46083	4.680	ug/L	99
29) Cyclohexane	4.577	56	46964	4.044	ug/L	94
30) 1,1,1-Trichloroethane	4.506	97	62747	4.768	ug/L	97
31) Carbon tetrachloride	4.731	117	54858	4.758	ug/L	99
33) Benzene	5.008	78	147702	4.659	ug/L	100
34) Trichloroethene	5.834	95	44161	4.846	ug/L	97
35) Methylcyclohexane	6.047	83	56616	4.122	ug/L	97
37) 1,2-Dichloropropane	6.092	63	38106	4.634	ug/L #	97
38) Bromodichloromethane	6.436	83	51396	4.648	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	48548	3.791	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	32260	6.593	ug/L	99
42) Toluene	7.313	91	143912	4.307	ug/L	95
44) trans-1,3-Dichloropropene	7.587	75	44502	3.967	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	32141	4.619	ug/L	99
46) Tetrachloroethene	7.905	164	33423	4.619	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053024\
 Data File : VV035881.D
 Acq On : 30 May 2024 09:29
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 31 00:06:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

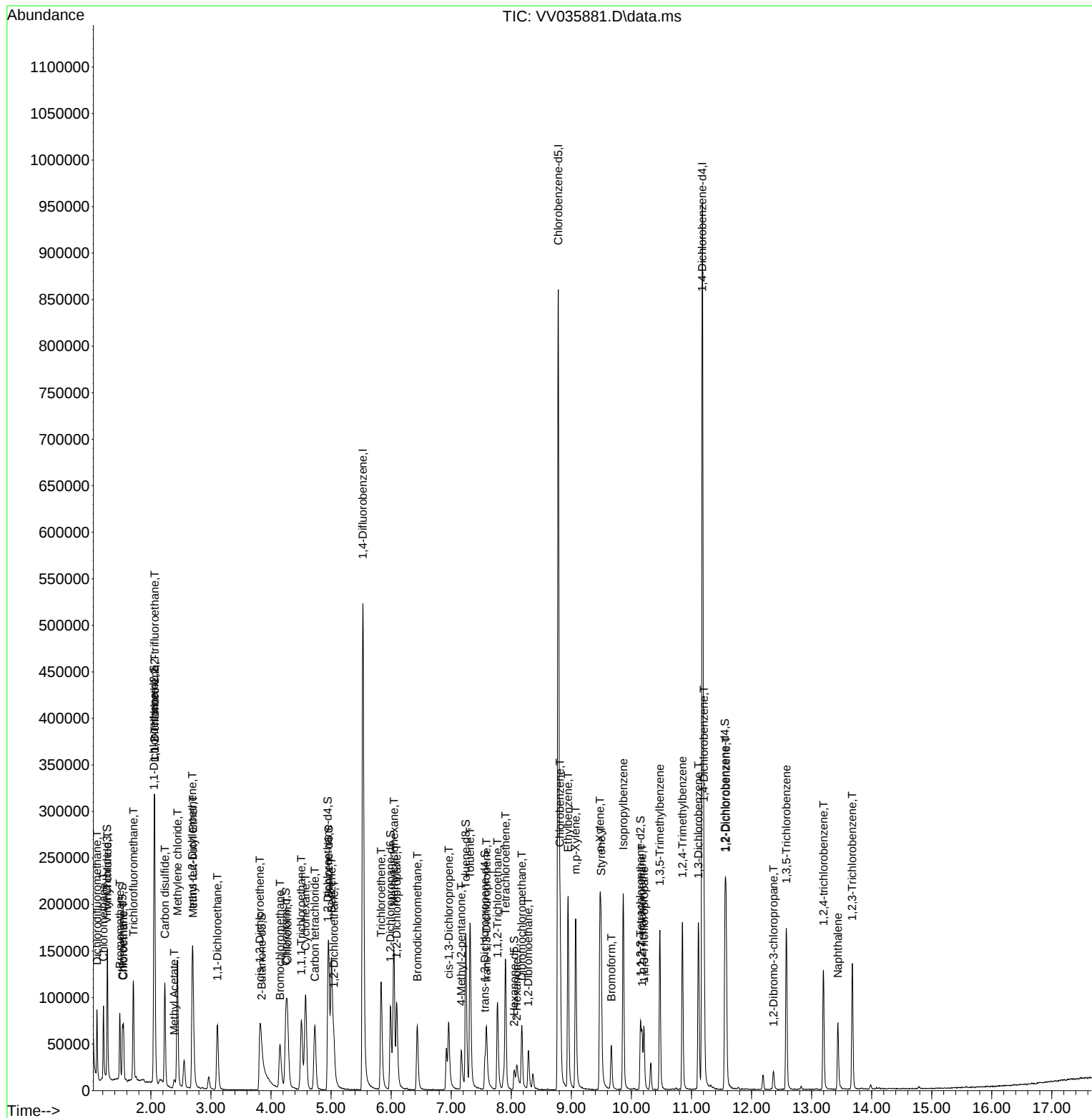
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.091	43	20464	5.468	ug/L	92
49) Dibromochloromethane	8.175	129	34703	4.459	ug/L	98
50) 1,2-Dibromoethane	8.284	107	29852	4.362	ug/L	98
51) Chlorobenzene	8.812	112	102334	4.453	ug/L	100
52) Ethylbenzene	8.947	91	145689	3.975	ug/L	99
53) m,p-Xylene	9.072	106	52107	3.759	ug/L	99
54) o-Xylene	9.477	106	48515	3.703	ug/L	100
55) Styrene	9.497	104	83664	3.652	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	30925	3.895	ug/L	96
59) Bromoform	9.667	173	22470	4.708	ug/L	96
60) Isopropylbenzene	9.866	105	134454	4.125	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	27739	4.822	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	89597	3.591	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	94796	3.624	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	76688	4.485	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	82723	4.645	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	72691	4.509	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	6123	4.586	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	56199	4.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	42278	3.850	ug/L	99
71) Naphthalene	13.439	128	60270	3.150	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	36448	3.646	ug/L	97

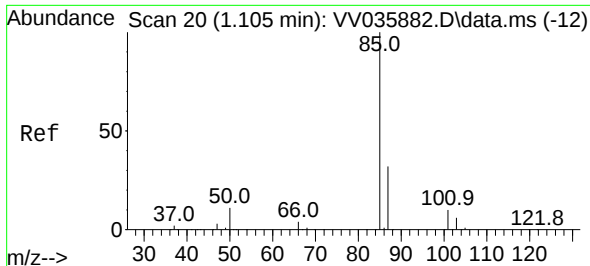
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSV0A_V\Data\VV053024\
Data File : VV035881.D
Acq On    : 30 May 2024   09:29
Operator  : SY/MD
Sample    : VSTD005
Misc      : 5.00g/10.0mL/MSV0A_V/SOIL
ALS Vial  : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :

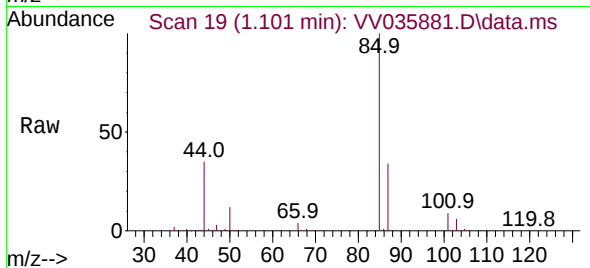
Quant Time: May 31 00:06:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 00:05:38 2024
Response via : Initial Calibration



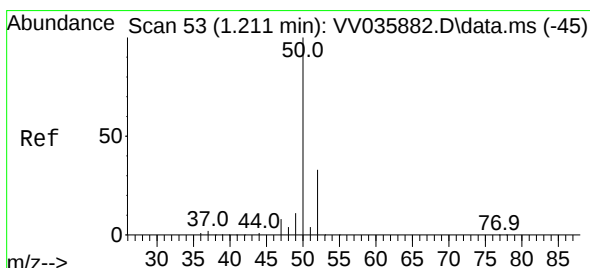
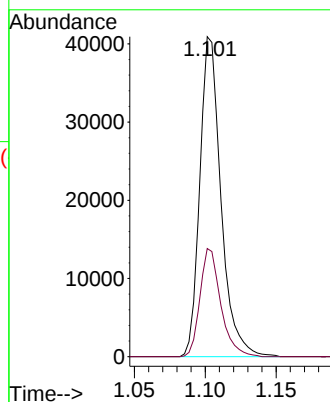
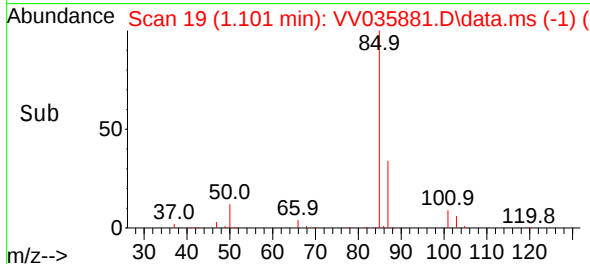


#2
 Dichlorodifluoromethane
 Concen: 4.536 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV035881.D
 Acq: 30 May 2024 09:29

Instrument :
 MSVOA_V
 ClientSampleId :

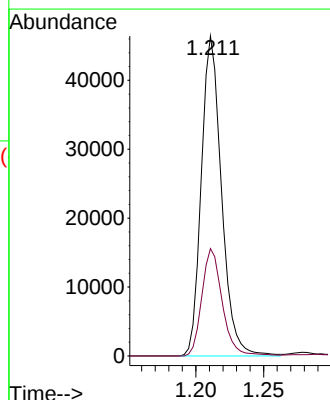
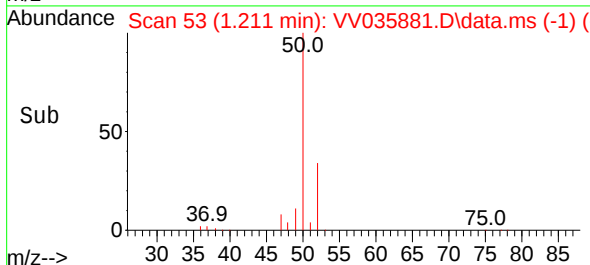
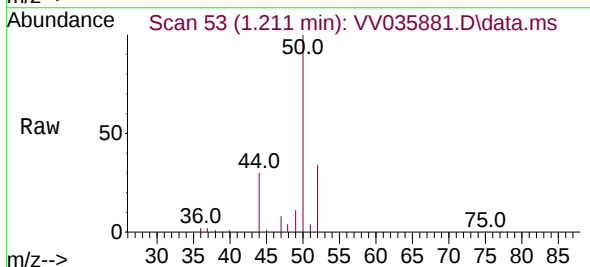


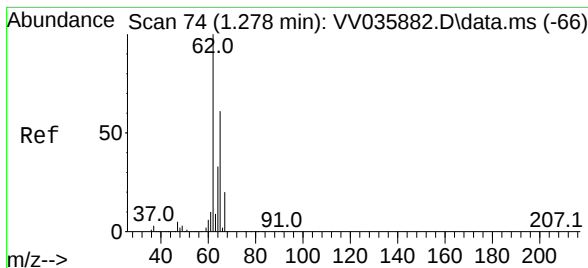
Tgt Ion: 85 Resp: 42504
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.9 38.9



#3
 Chloromethane
 Concen: 4.930 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV035881.D
 Acq: 30 May 2024 09:29

Tgt Ion: 50 Resp: 48151
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.8 42.4

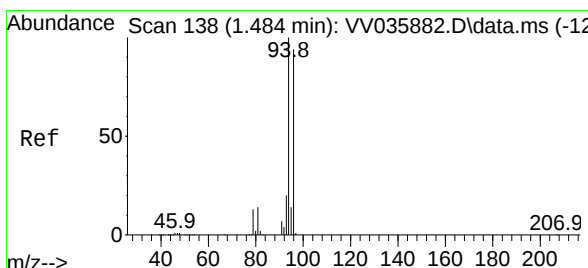
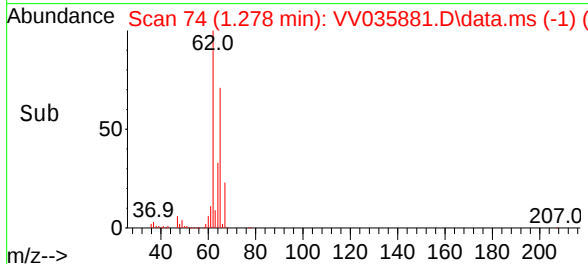
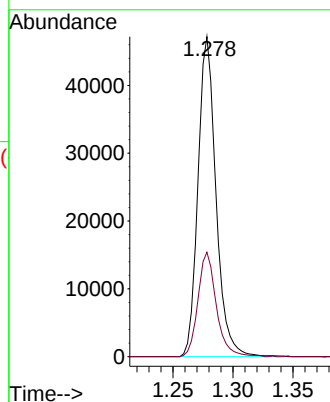
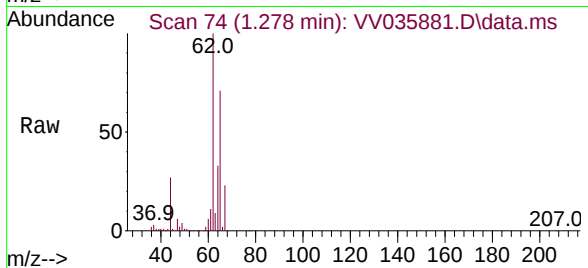




#5
 Vinyl chloride
 Concen: 4.914 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV035881.D
 Acq: 30 May 2024 09:29

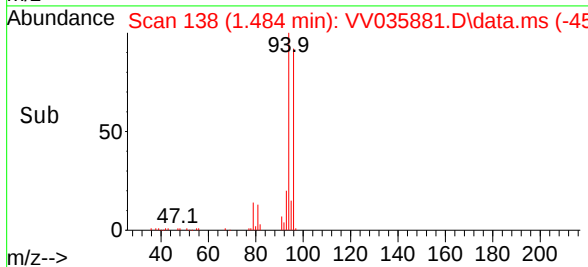
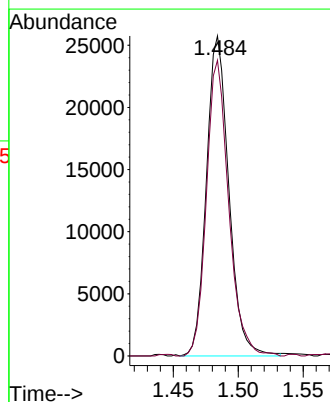
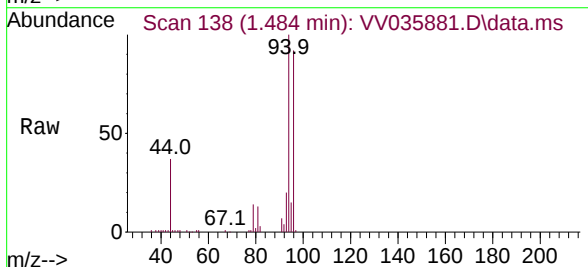
Instrument :
 MSVOA_V
 ClientSampleId :

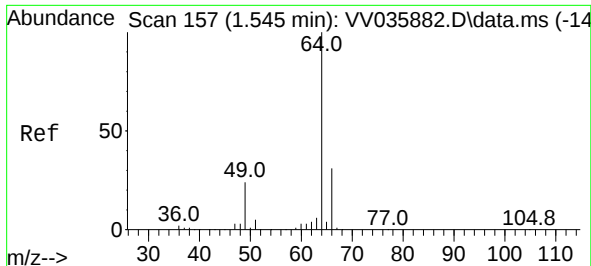
Tgt Ion: 62 Resp: 49332
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 4.881 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV035881.D
 Acq: 30 May 2024 09:29

Tgt Ion: 94 Resp: 30966
 Ion Ratio Lower Upper
 94 100
 96 92.4 65.7 122.1

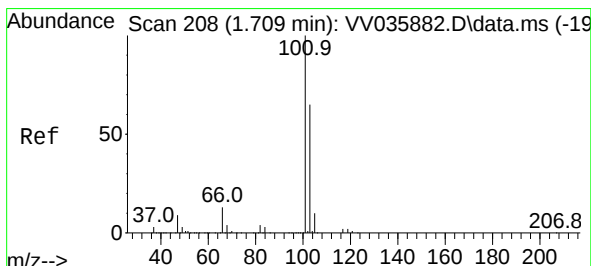
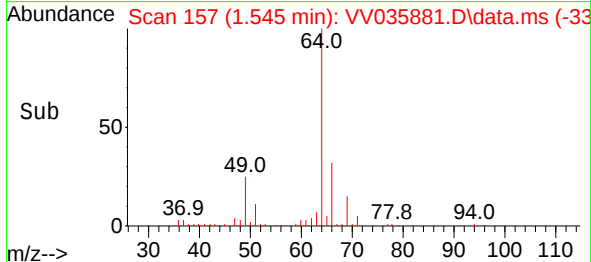
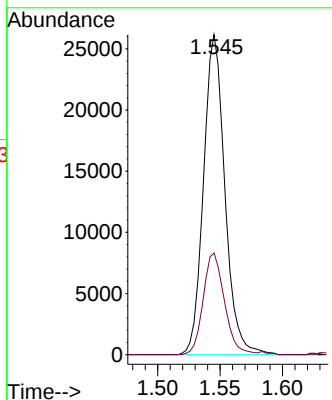
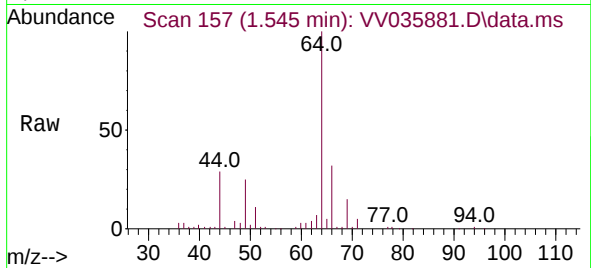




#8
Chloroethane
Concen: 5.059 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

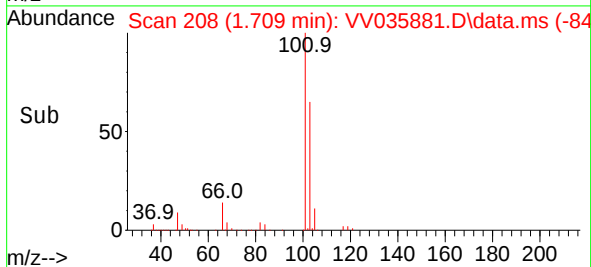
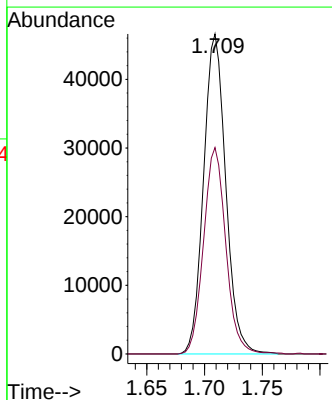
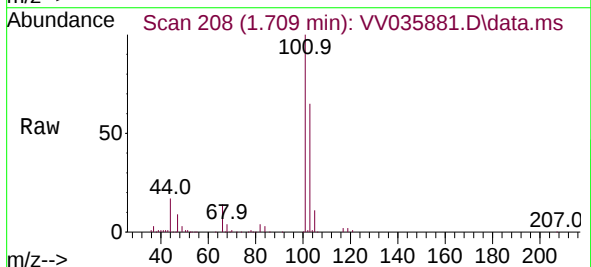
Instrument :
MSVOA_V
ClientSampleId :

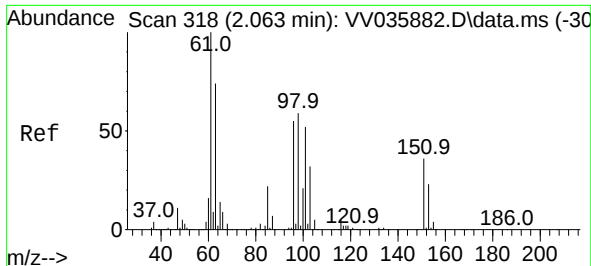
Tgt Ion: 64 Resp: 31205
Ion Ratio Lower Upper
64 100
66 31.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 4.853 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion:101 Resp: 62294
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

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

Concen: 4.934 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

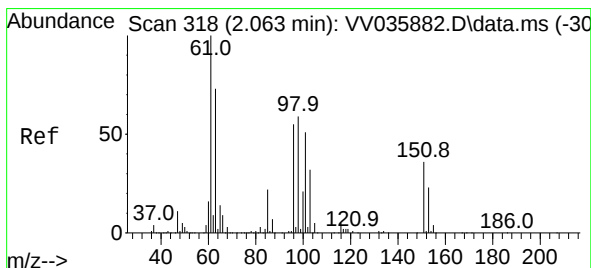
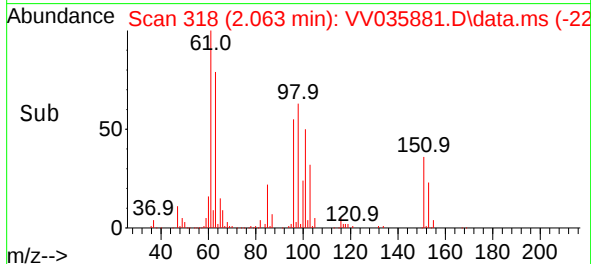
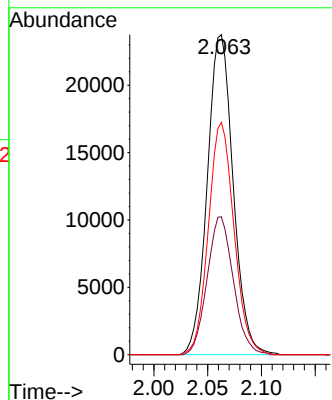
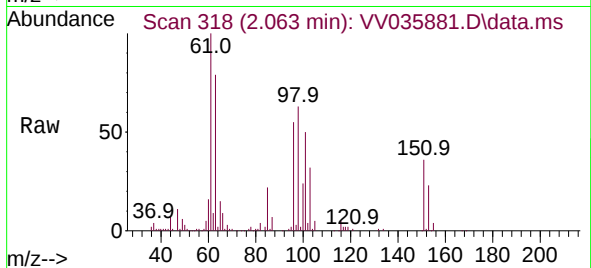
Tgt Ion:101 Resp: 39886

Ion Ratio Lower Upper

101 100

85 43.6 34.5 51.7

151 71.7 56.3 84.5



#12

1,1-Dichloroethene

Concen: 5.125 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

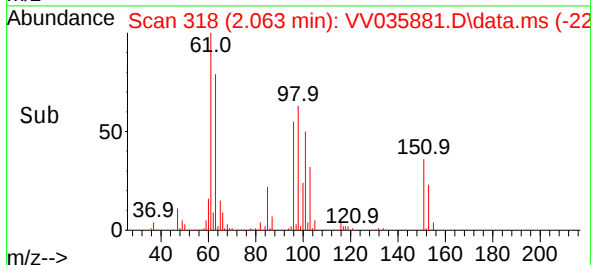
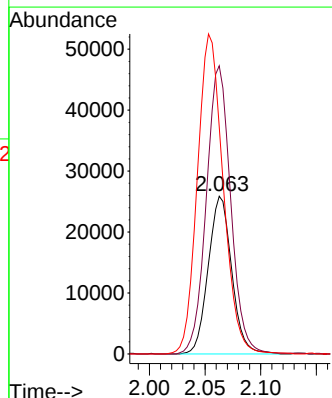
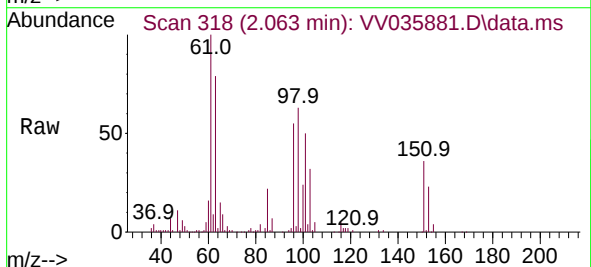
Tgt Ion: 96 Resp: 37943

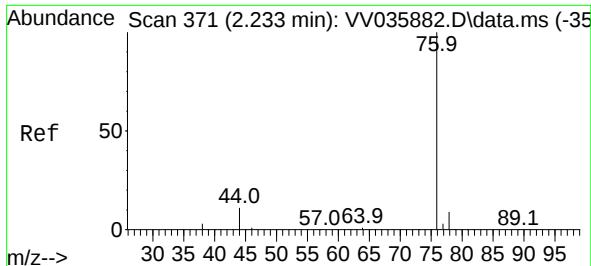
Ion Ratio Lower Upper

96 100

61 182.6 127.3 236.3

63 143.9 93.7 173.9





#14

Carbon disulfide

Concen: 5.213 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

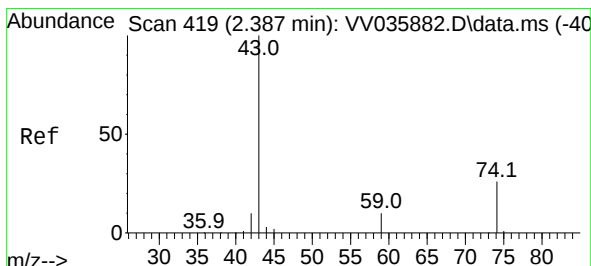
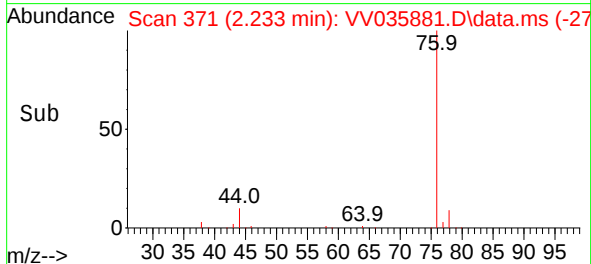
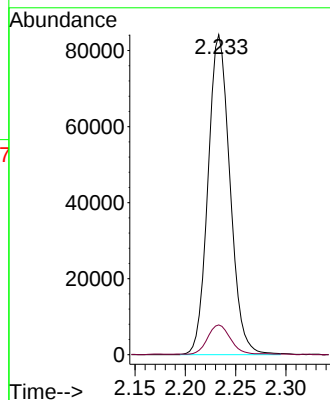
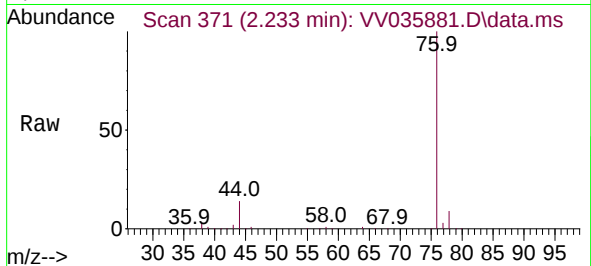
ClientSampleId :

Tgt Ion: 76 Resp: 127913

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



#15

Methyl Acetate

Concen: 3.735 ug/L

RT: 2.388 min Scan# 419

Delta R.T. 0.000 min

Lab File: VV035881.D

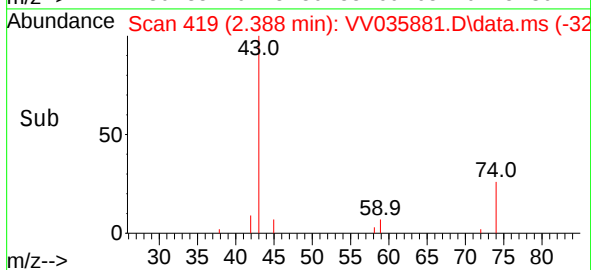
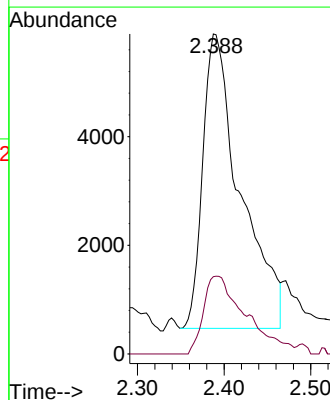
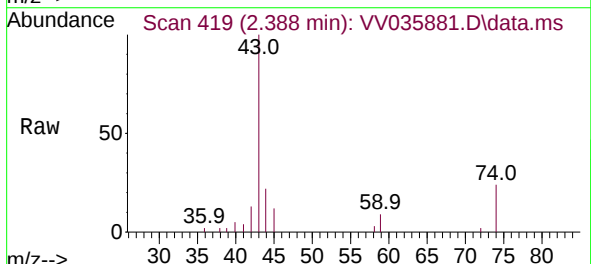
Acq: 30 May 2024 09:29

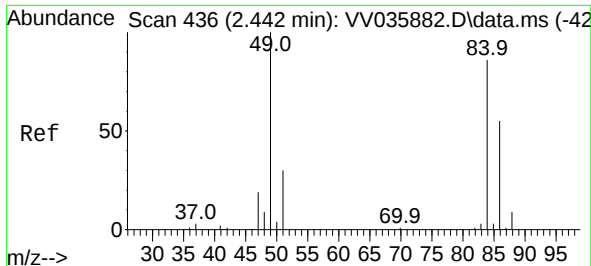
Tgt Ion: 43 Resp: 16353

Ion Ratio Lower Upper

43 100

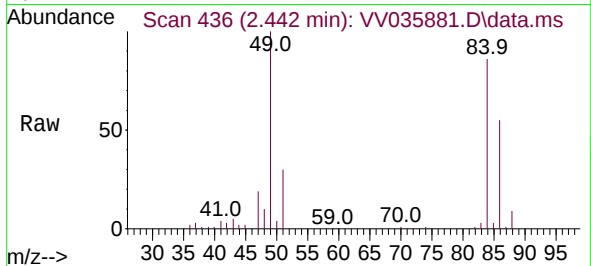
74 22.8 21.4 32.2



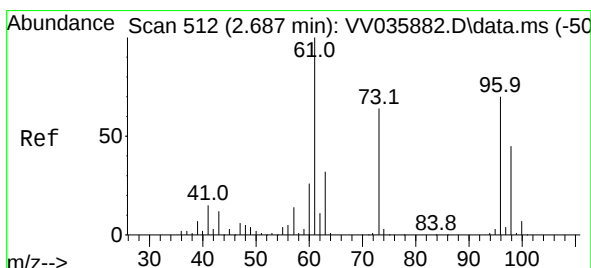
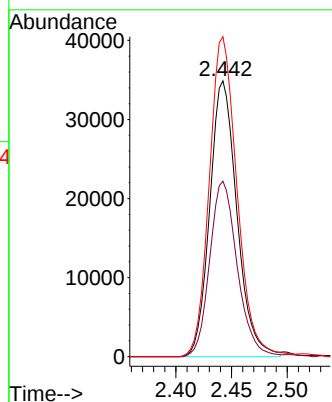
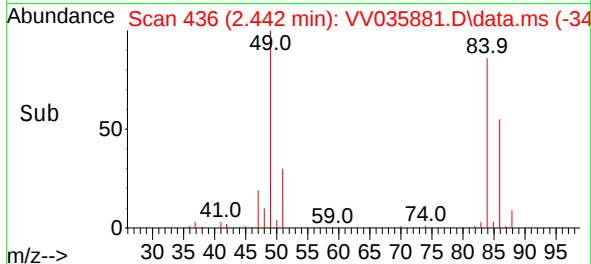


#16
Methylene chloride
Concen: 5.472 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Instrument :
MSVOA_V
ClientSampleId :

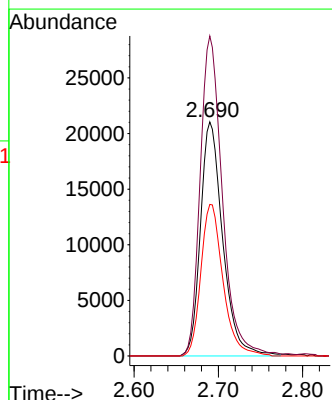
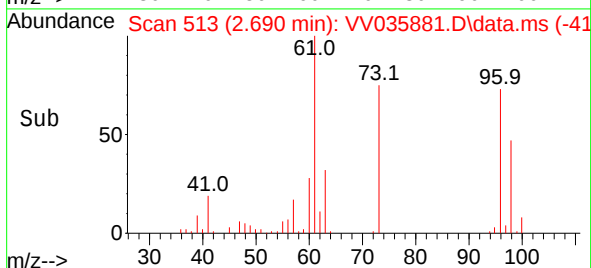
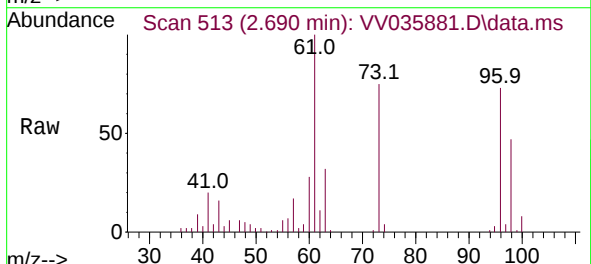


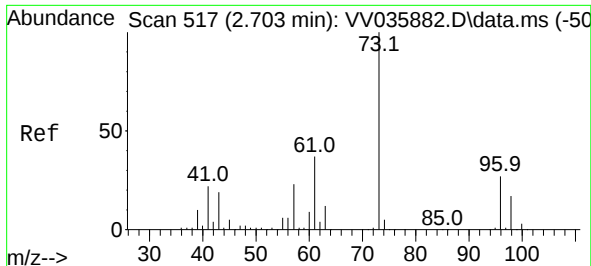
Tgt Ion: 84 Resp: 59311
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 116.0 81.1 150.5



#17
trans-1,2-Dichloroethene
Concen: 4.730 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion: 96 Resp: 38730
Ion Ratio Lower Upper
96 100
61 136.7 99.4 184.6
98 64.7 44.9 83.3





#18

Methyl tert-butyl Ether

Concen: 4.084 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

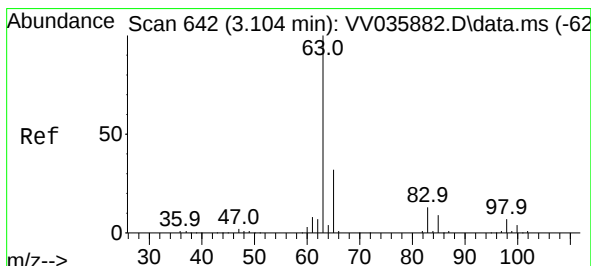
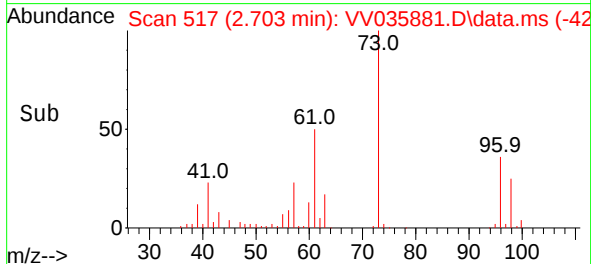
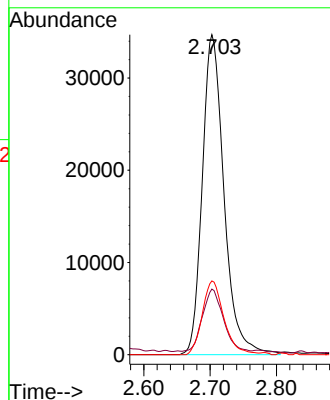
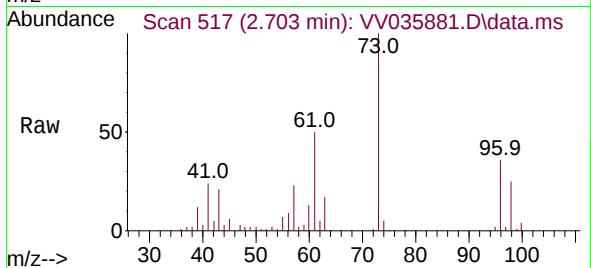
Tgt Ion: 73 Resp: 79088

Ion Ratio Lower Upper

73 100

43 18.6 14.3 21.5

57 22.9 17.8 26.6



#19

1,1-Dichloroethane

Concen: 4.790 ug/L

RT: 3.108 min Scan# 643

Delta R.T. 0.003 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

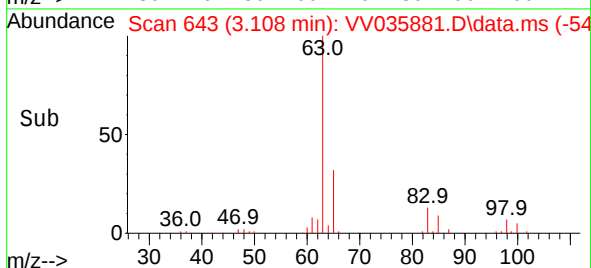
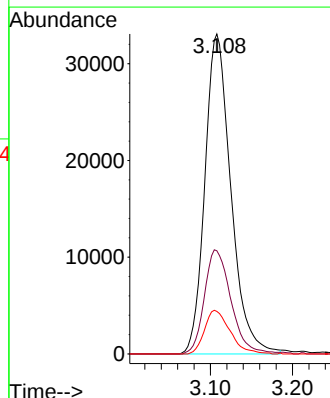
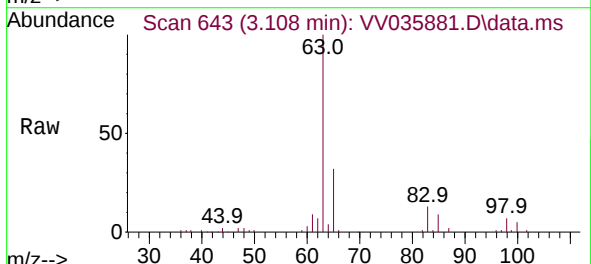
Tgt Ion: 63 Resp: 73007

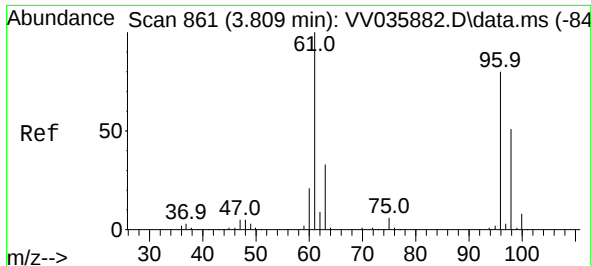
Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

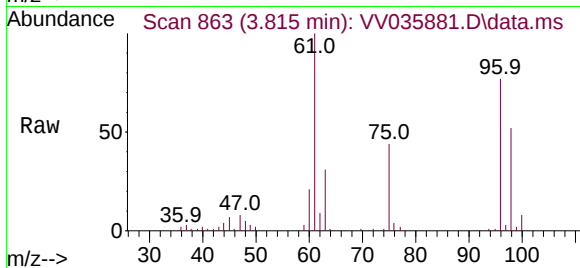
83 13.3 9.2 17.0



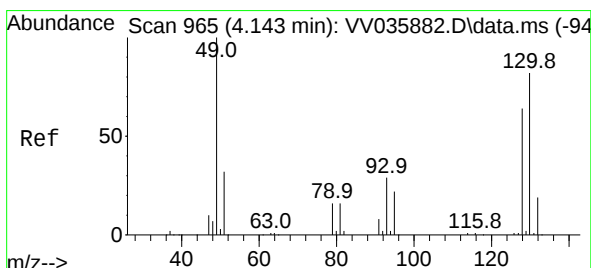
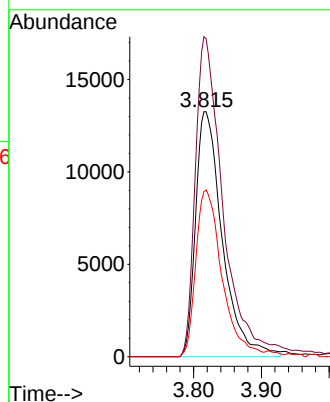
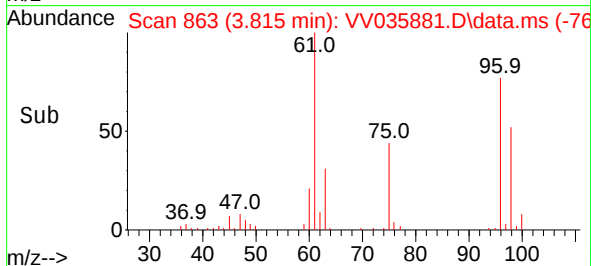


#20
cis-1,2-Dichloroethene
Concen: 4.170 ug/L
RT: 3.815 min Scan# 861
Delta R.T. 0.006 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

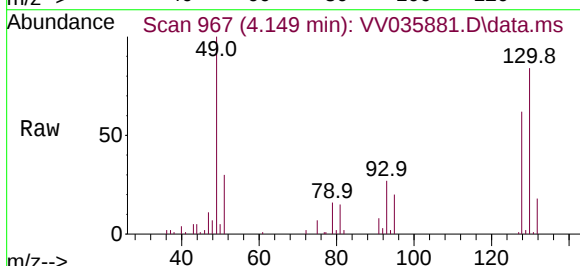
Instrument :
MSVOA_V
ClientSampleId :



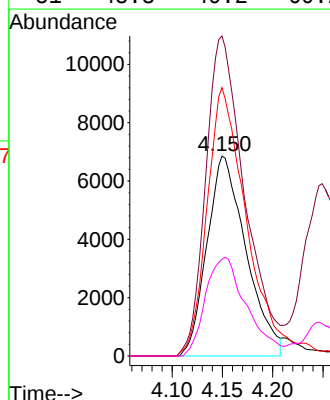
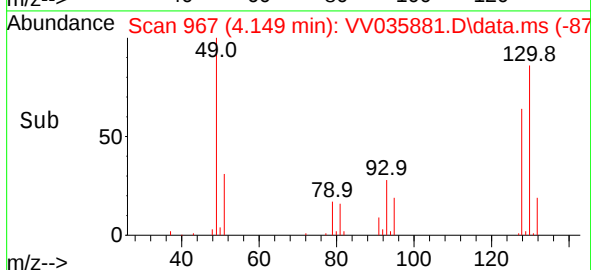
Tgt Ion: 96 Resp: 36271
Ion Ratio Lower Upper
96 100
61 130.6 87.9 163.3
98 67.3 44.4 82.5

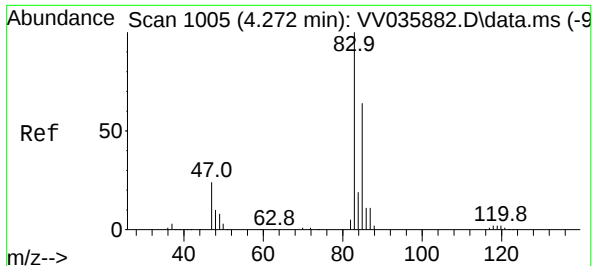


#23
Bromochloromethane
Concen: 4.376 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.006 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29



Tgt Ion: 128 Resp: 18527
Ion Ratio Lower Upper
128 100
49 160.1 110.2 204.6
130 134.3 90.2 167.4
51 48.3 40.2 60.2

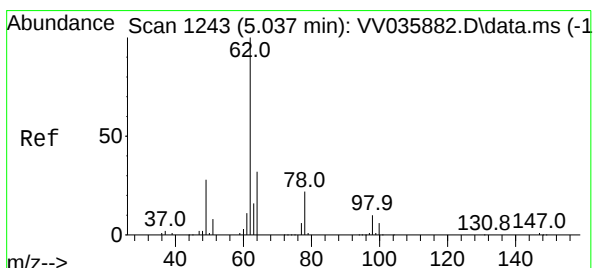
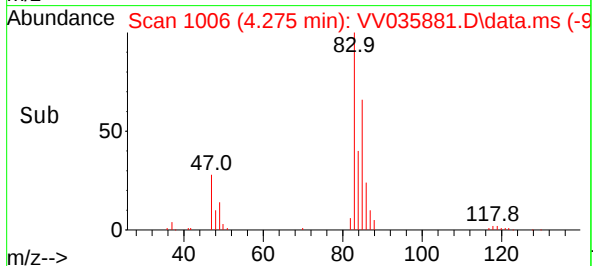
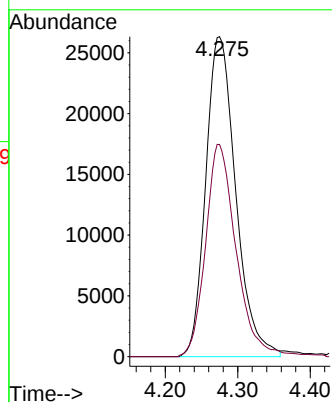
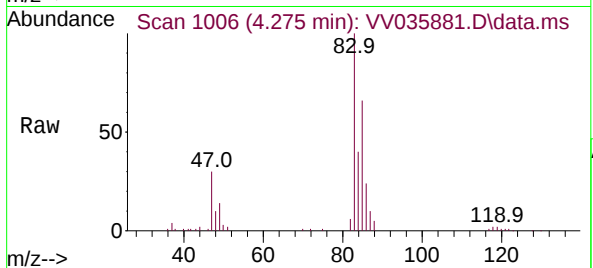




#25
Chloroform
Concen: 4.827 ug/L
RT: 4.275 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

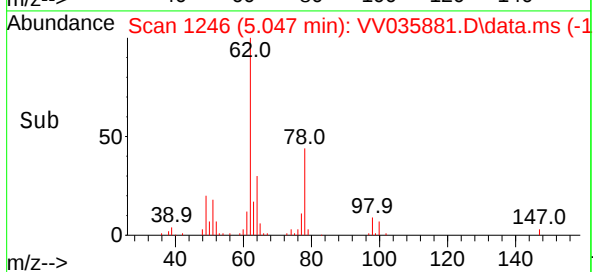
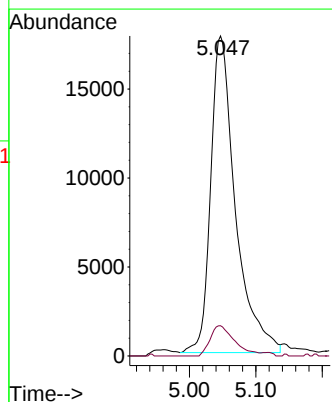
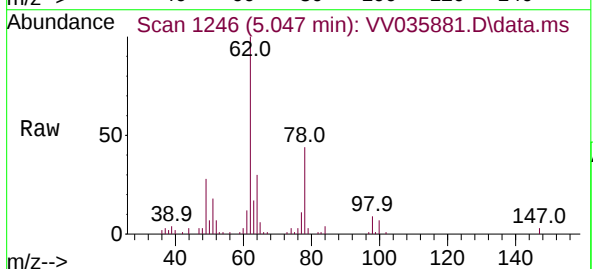
Instrument :
MSVOA_V
ClientSampleId :

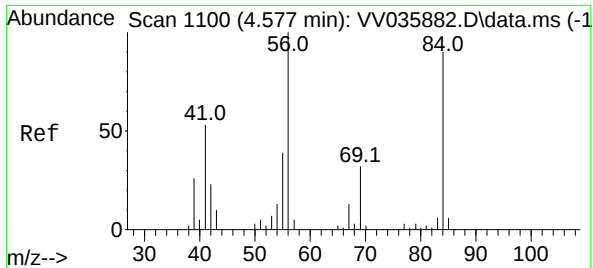
Tgt Ion: 83 Resp: 75739
Ion Ratio Lower Upper
83 100
85 66.3 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.680 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.010 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion: 62 Resp: 46083
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.6





#29

Cyclohexane

Concen: 4.044 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

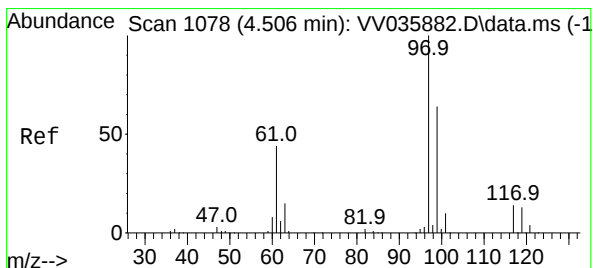
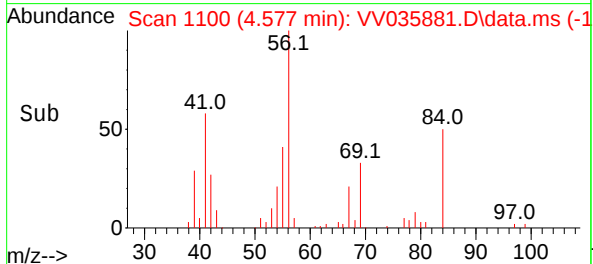
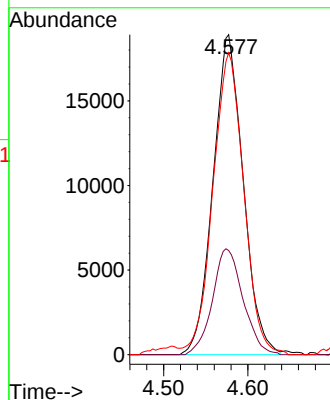
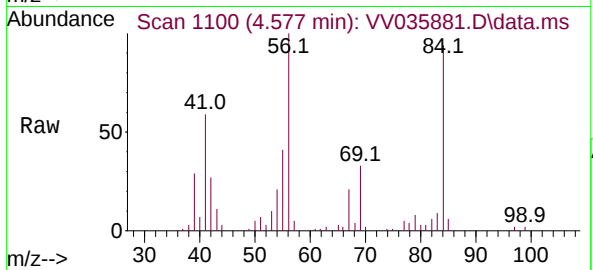
Tgt Ion: 56 Resp: 46964

Ion Ratio Lower Upper

56 100

69 33.5 25.2 37.8

84 96.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 4.768 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

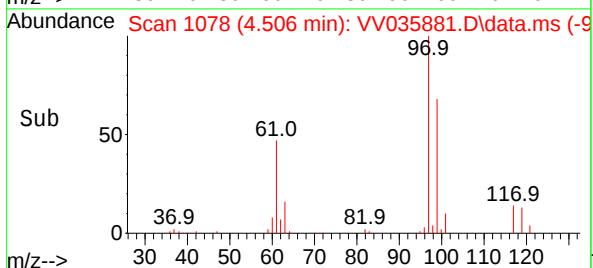
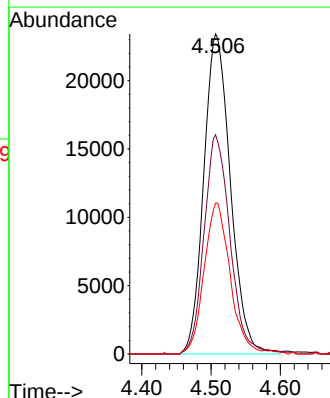
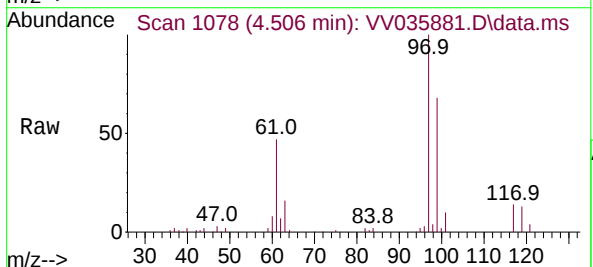
Tgt Ion: 97 Resp: 62747

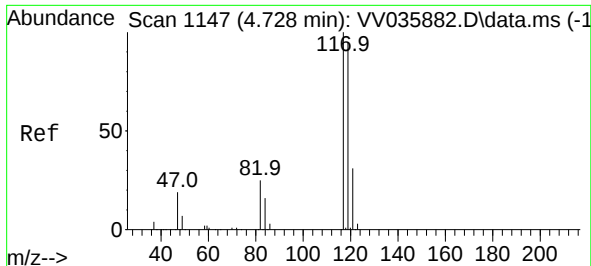
Ion Ratio Lower Upper

97 100

99 66.3 50.9 76.3

61 45.7 35.0 52.6

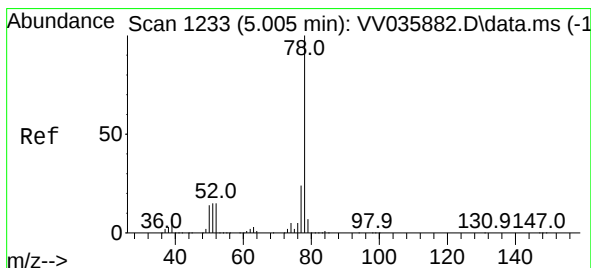
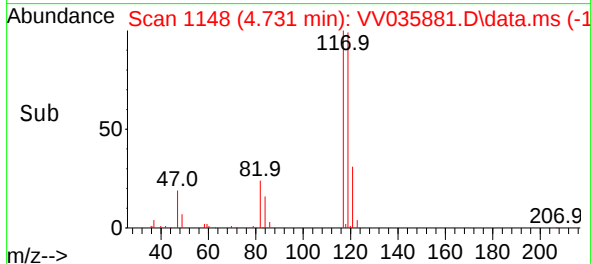
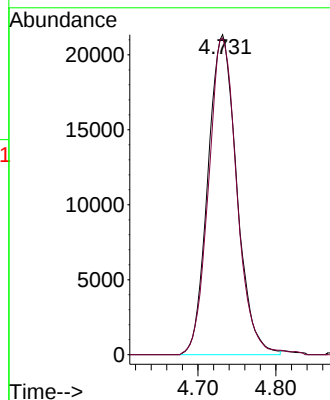
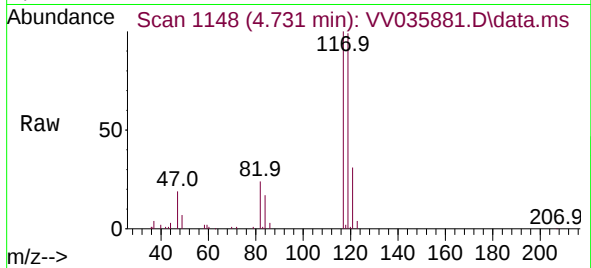




#31
Carbon tetrachloride
Concen: 4.758 ug/L
RT: 4.731 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

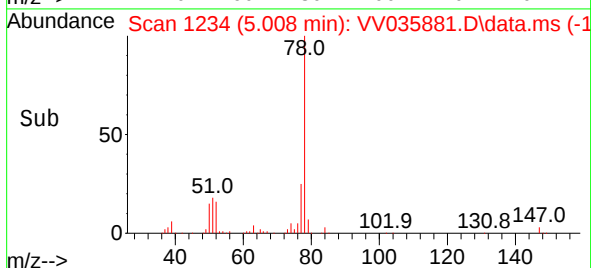
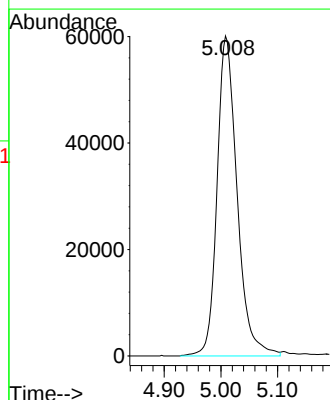
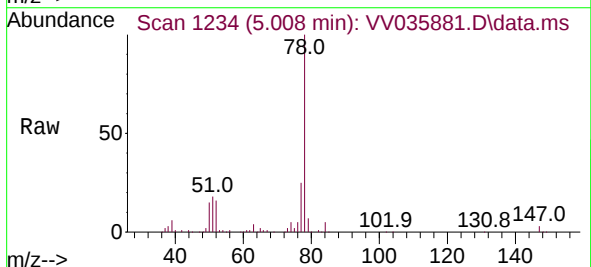
Instrument :
MSVOA_V
ClientSampleId :

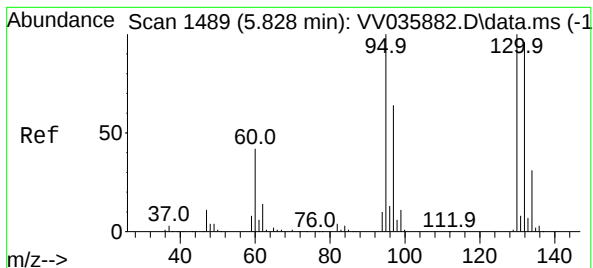
Tgt Ion:117 Resp: 54858
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2



#33
Benzene
Concen: 4.659 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion: 78 Resp: 147702





#34

Trichloroethene

Concen: 4.846 ug/L

RT: 5.834 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 44161

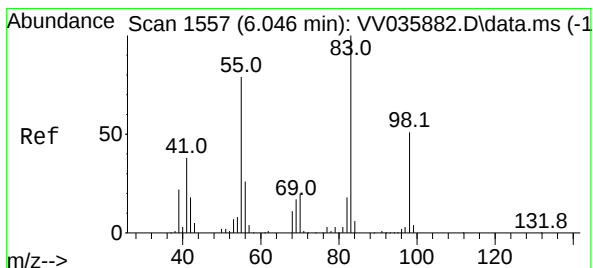
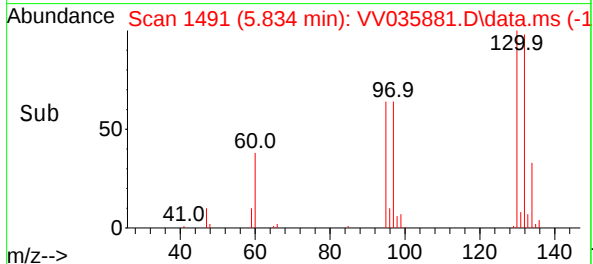
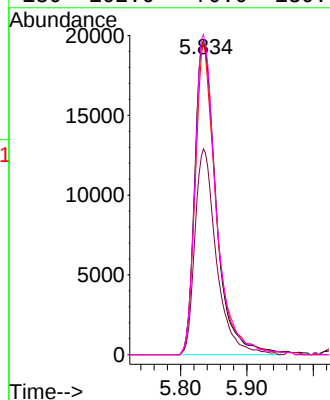
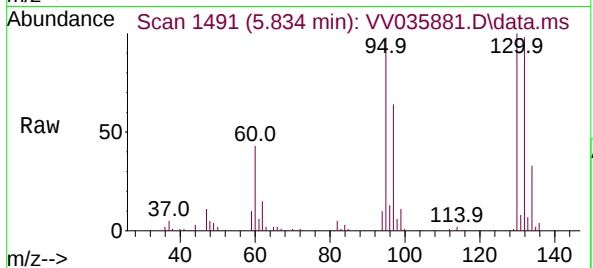
Ion Ratio Lower Upper

95 100

97 65.6 44.8 83.2

132 99.6 66.8 124.2

130 102.0 70.0 130.0



#35

Methylcyclohexane

Concen: 4.122 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

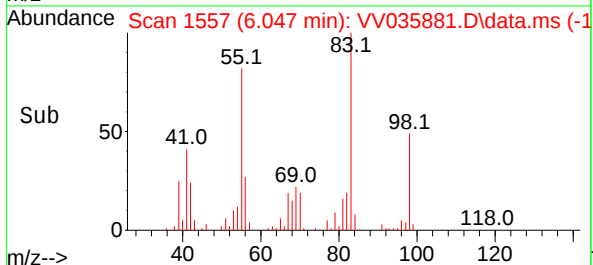
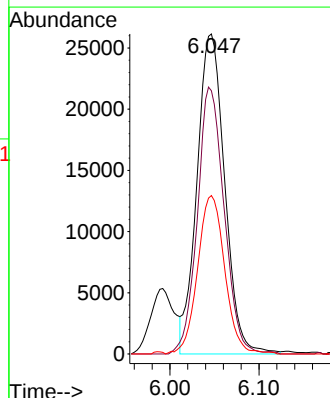
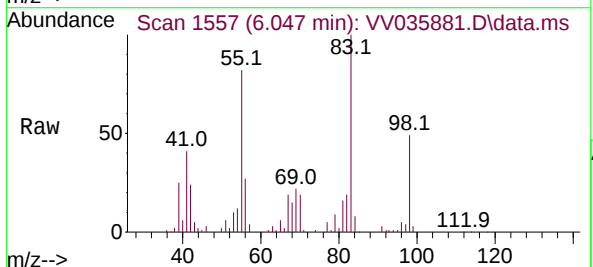
Tgt Ion: 83 Resp: 56616

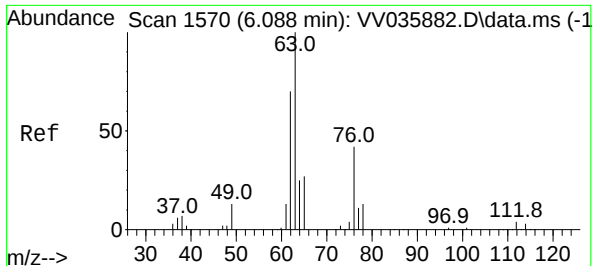
Ion Ratio Lower Upper

83 100

55 80.3 60.7 91.1

98 48.0 38.7 58.1





#37

1,2-Dichloropropane

Concen: 4.634 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

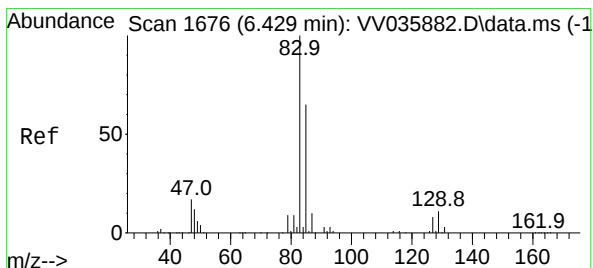
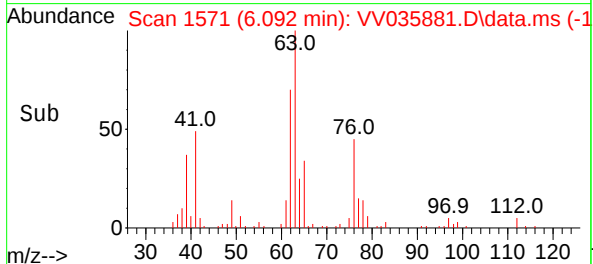
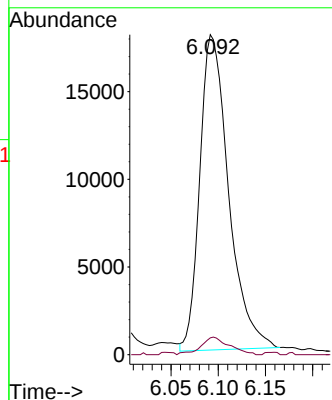
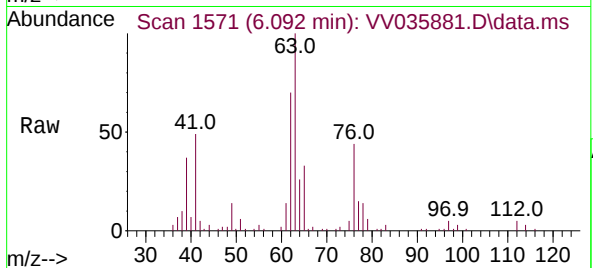
ClientSampleId :

Tgt Ion: 63 Resp: 38106

Ion Ratio Lower Upper

63 100

112 5.5 3.5 5.3#



#38

Bromodichloromethane

Concen: 4.648 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

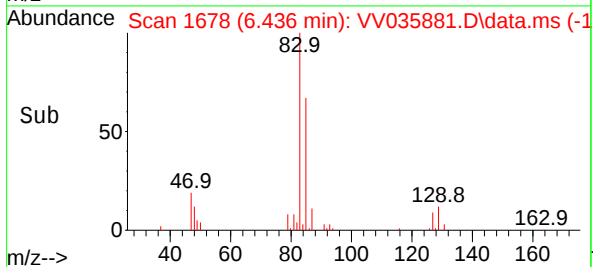
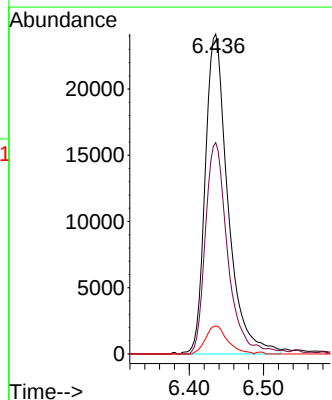
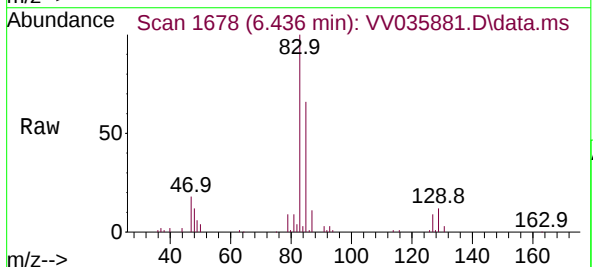
Tgt Ion: 83 Resp: 51396

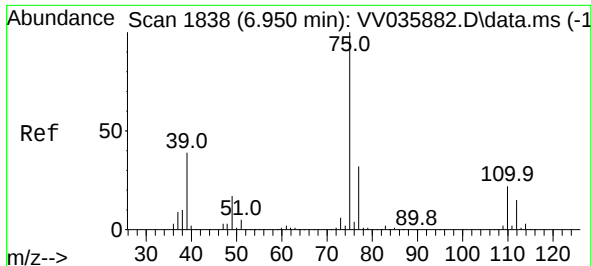
Ion Ratio Lower Upper

83 100

85 66.1 45.3 84.1

127 8.7 6.7 10.1

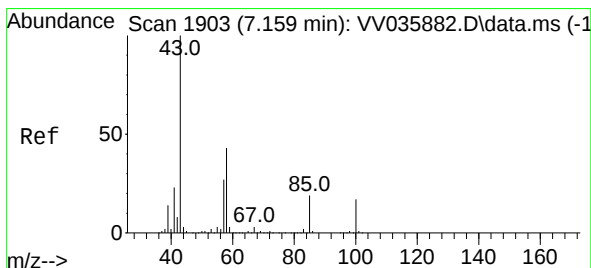
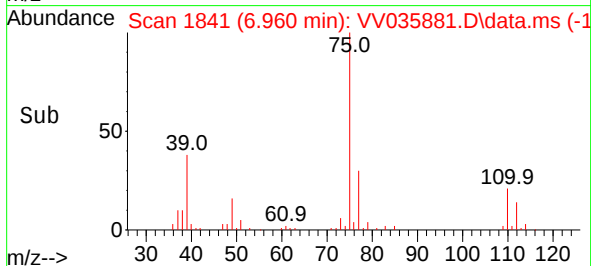
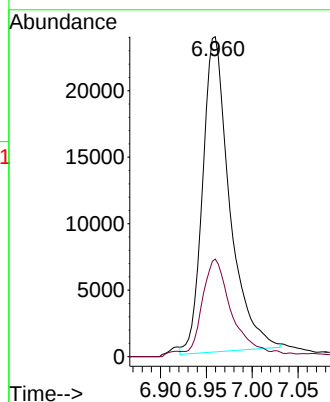
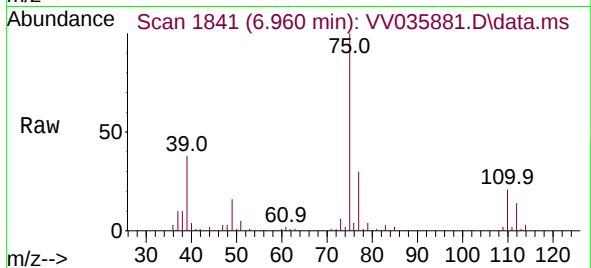




#39
 cis-1,3-Dichloropropene
 Concen: 3.791 ug/L
 RT: 6.960 min Scan# 1838
 Delta R.T. 0.010 min
 Lab File: VV035881.D
 Acq: 30 May 2024 09:29

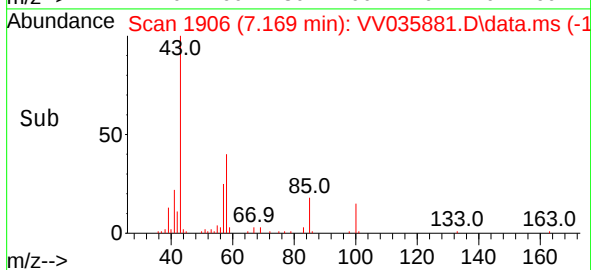
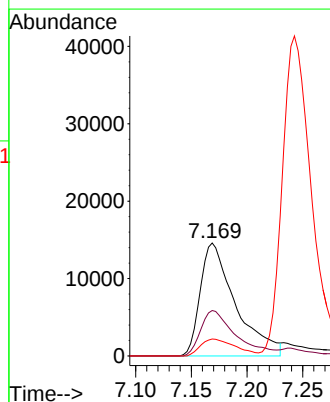
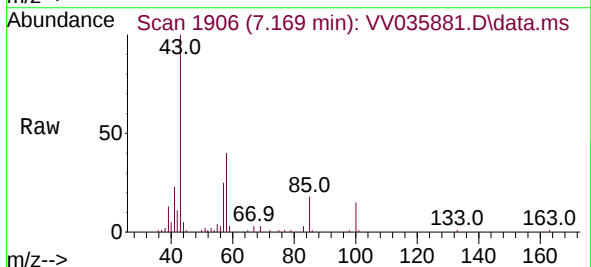
Instrument :
 MSVOA_V
 ClientSampleId :

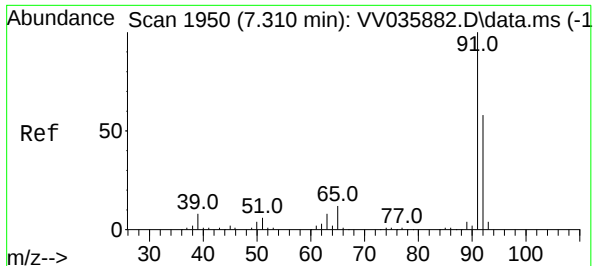
Tgt Ion: 75 Resp: 48548
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 6.593 ug/L
 RT: 7.169 min Scan# 1906
 Delta R.T. 0.010 min
 Lab File: VV035881.D
 Acq: 30 May 2024 09:29

Tgt Ion: 43 Resp: 32260
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.5 48.7
 100 14.9 12.5 18.7





#42

Toluene

Concen: 4.307 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

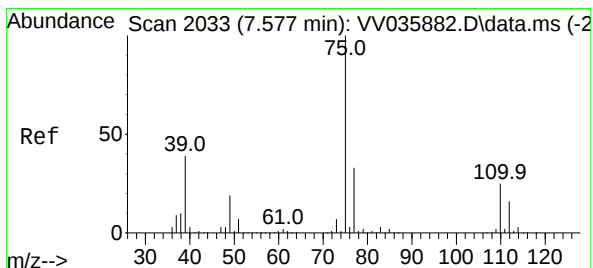
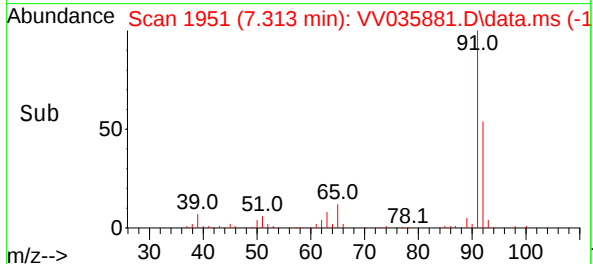
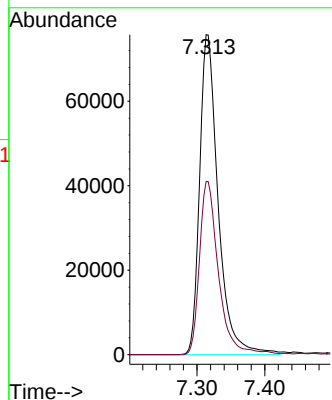
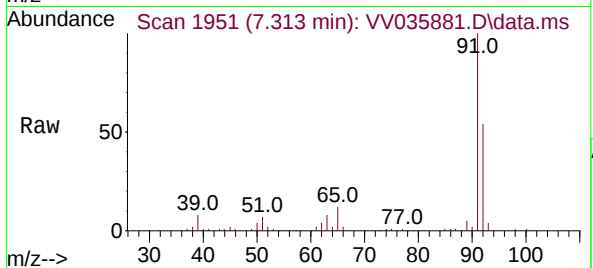
ClientSampleId :

Tgt Ion: 91 Resp: 143912

Ion Ratio Lower Upper

91 100

92 54.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 3.967 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV035881.D

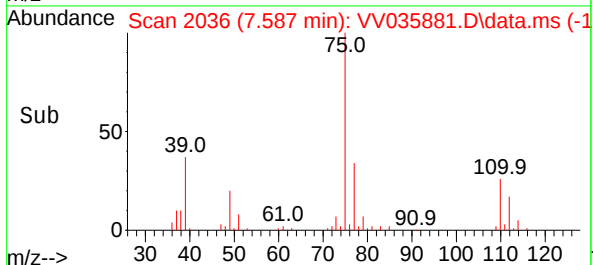
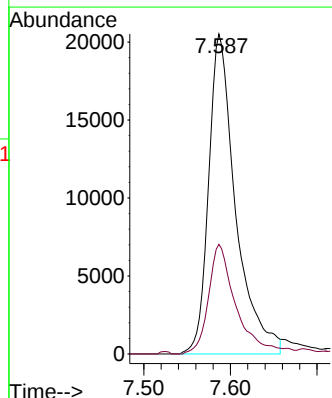
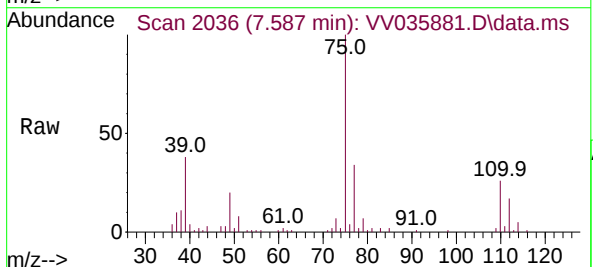
Acq: 30 May 2024 09:29

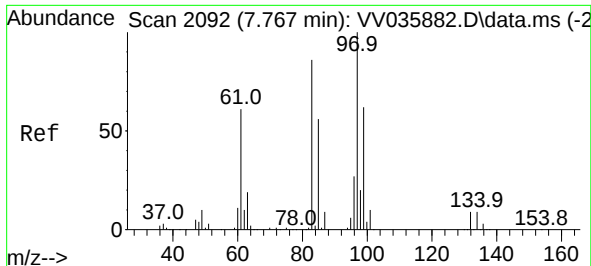
Tgt Ion: 75 Resp: 44502

Ion Ratio Lower Upper

75 100

77 34.3 23.1 42.9

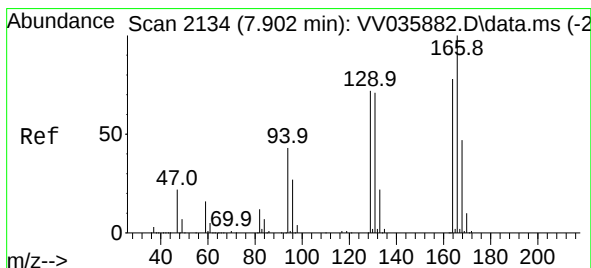
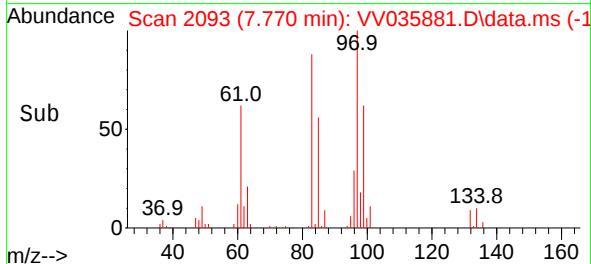
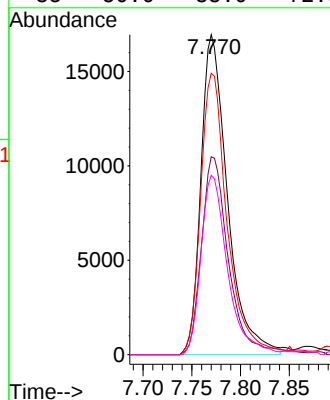
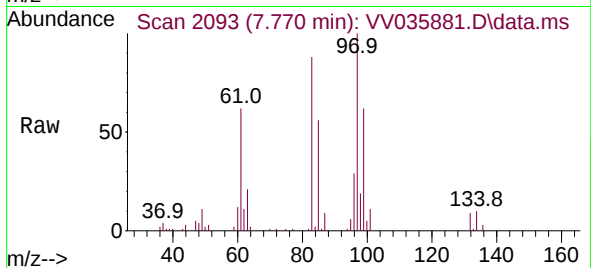




#45
1,1,2-Trichloroethane
Concen: 4.619 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

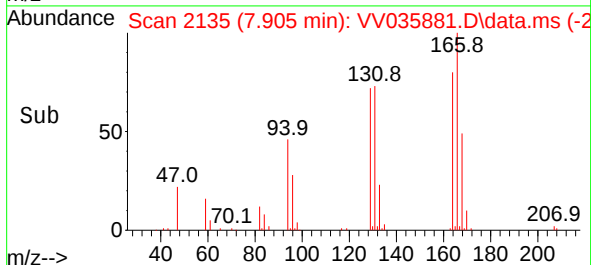
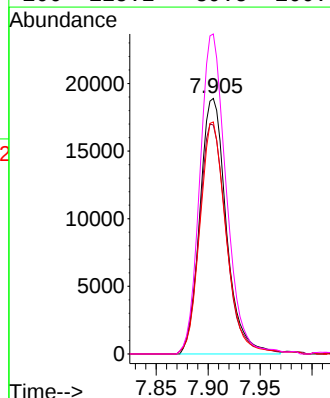
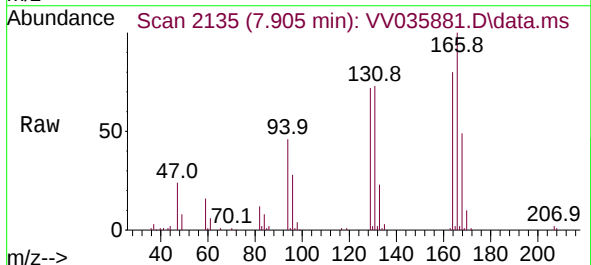
Instrument :
MSVOA_V
ClientSampleId :

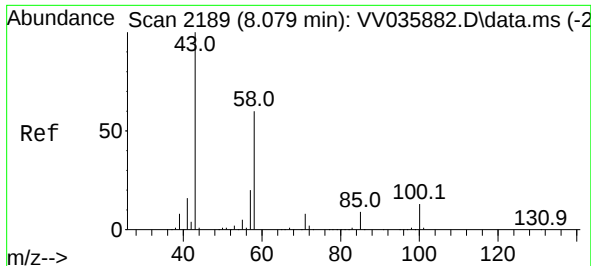
Tgt Ion:	97	Resp:	32141
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.5
83	88.0	60.1	111.7
85	56.0	38.9	72.3



#46
Tetrachloroethene
Concen: 4.619 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion:	164	Resp:	33423
Ion	Ratio	Lower	Upper
164	100		
129	89.6	64.6	120.0
131	90.8	63.2	117.4
166	125.2	89.5	166.3





#48

2-Hexanone

Concen: 5.468 ug/L

RT: 8.091 min Scan# 2189

Delta R.T. 0.013 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 20464

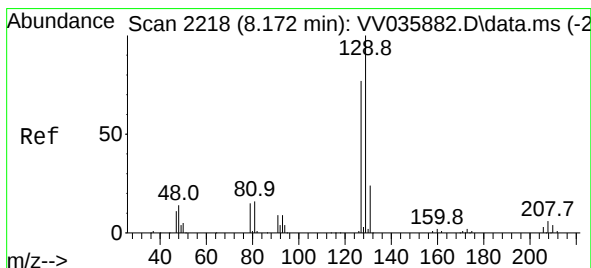
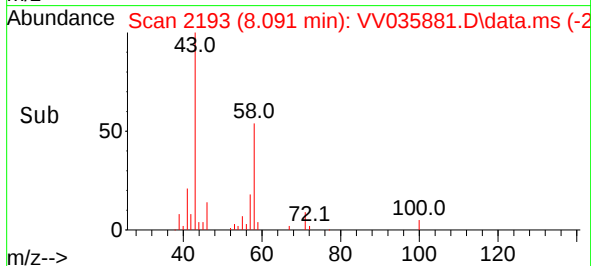
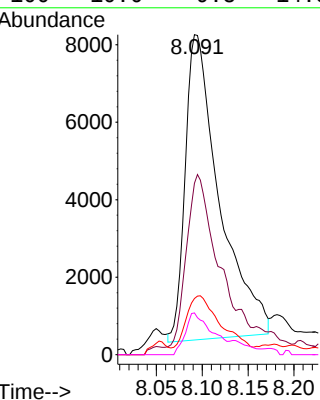
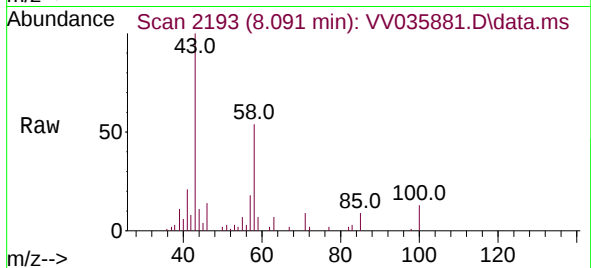
Ion Ratio Lower Upper

43 100

58 49.1 45.4 68.0

57 17.7 15.8 23.8

100 10.6 9.8 14.8



#49

Dibromochloromethane

Concen: 4.459 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV035881.D

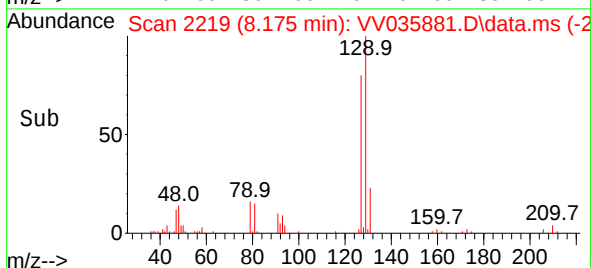
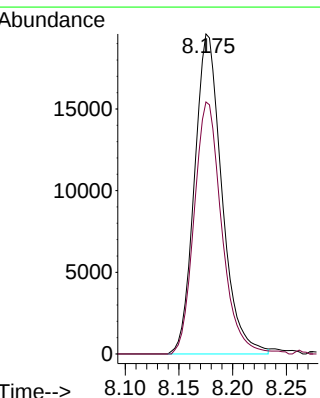
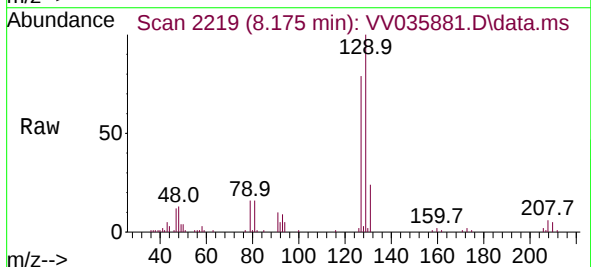
Acq: 30 May 2024 09:29

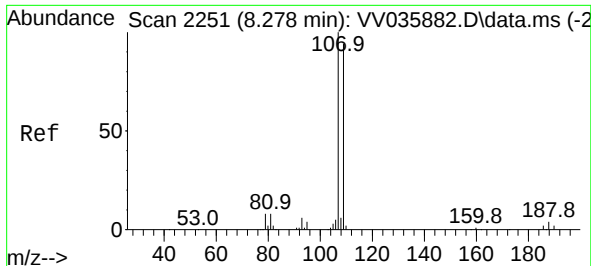
Tgt Ion: 129 Resp: 34703

Ion Ratio Lower Upper

129 100

127 78.8 53.9 100.1

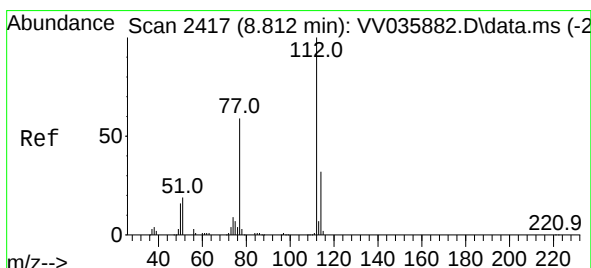
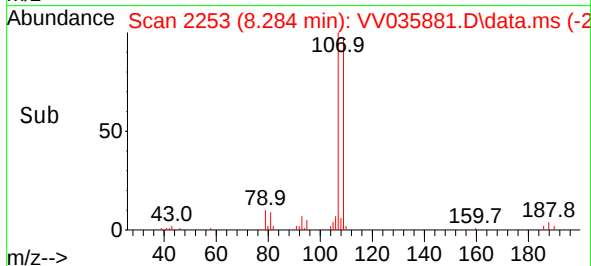
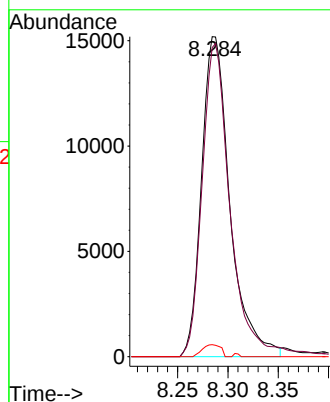
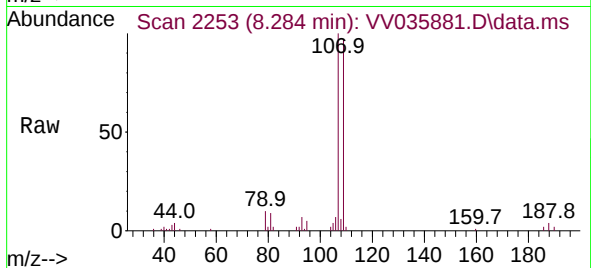




#50
1,2-Dibromoethane
Concen: 4.362 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

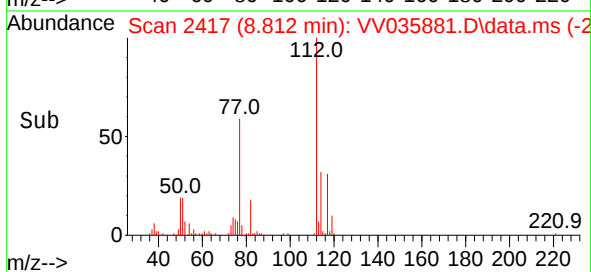
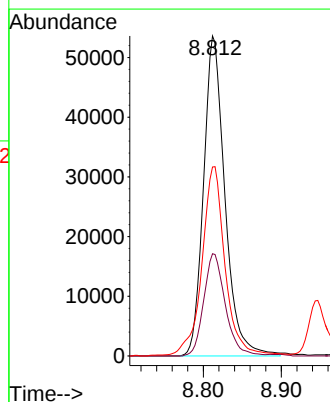
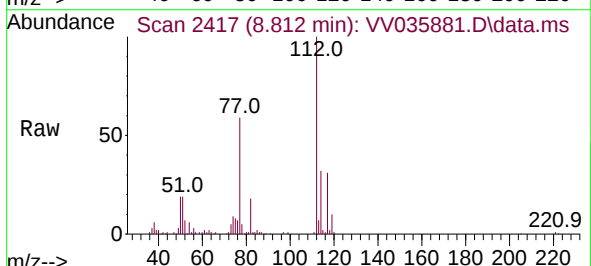
Instrument :
MSVOA_V
ClientSampleId :

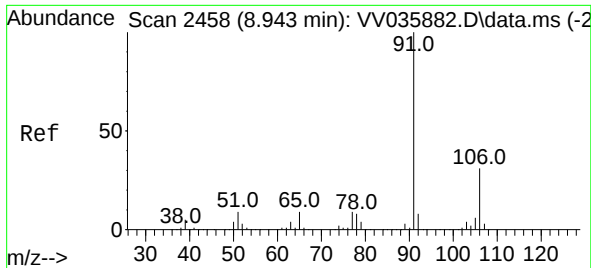
Tgt Ion:107 Resp: 29852
Ion Ratio Lower Upper
107 100
109 96.6 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 4.453 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion:112 Resp: 102334
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 59.0 47.3 70.9





#52

Ethylbenzene

Concen: 3.975 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

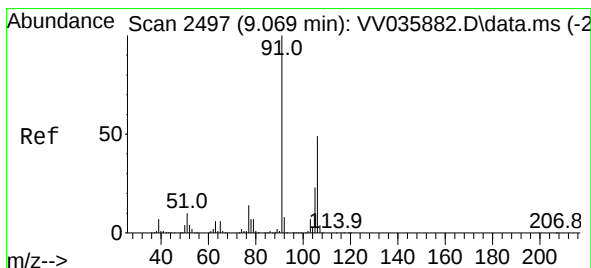
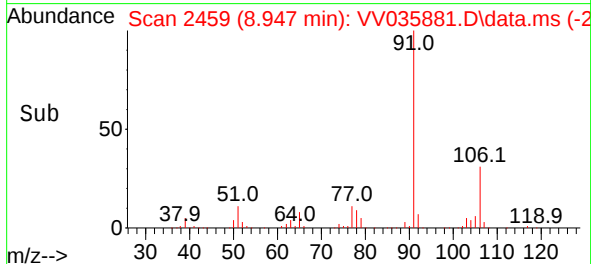
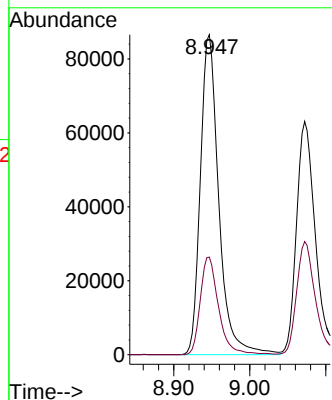
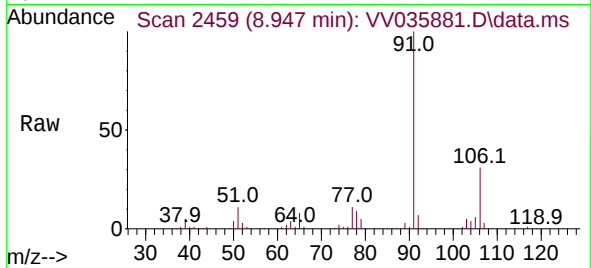
ClientSampleId :

Tgt Ion: 91 Resp: 145689

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



#53

m,p-Xylene

Concen: 3.759 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV035881.D

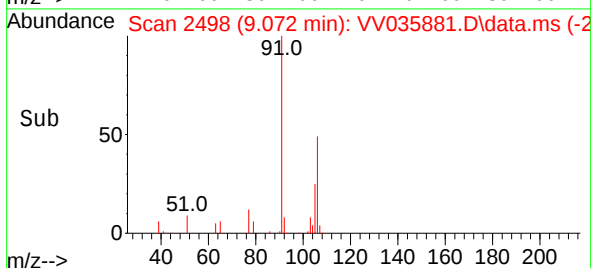
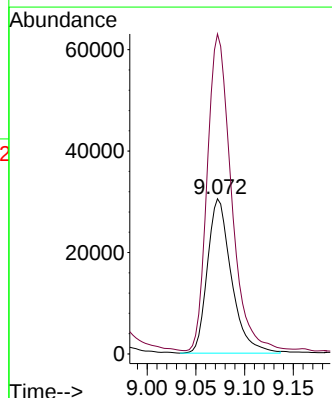
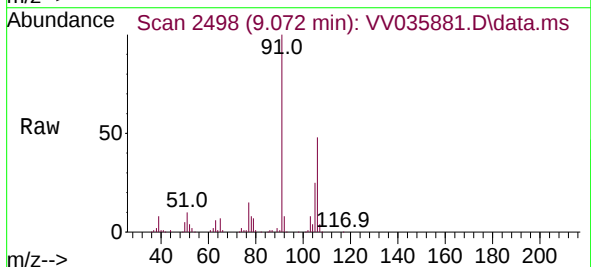
Acq: 30 May 2024 09:29

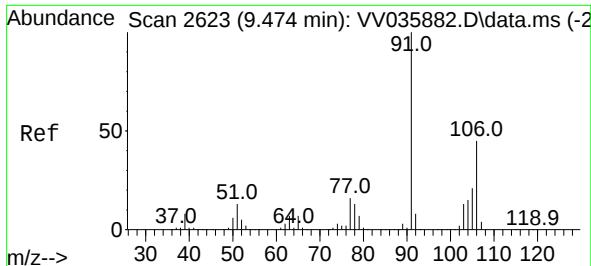
Tgt Ion:106 Resp: 52107

Ion Ratio Lower Upper

106 100

91 206.2 143.1 265.9

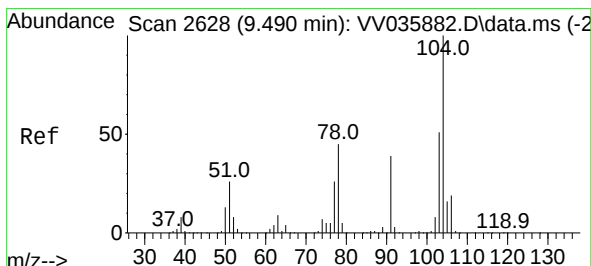
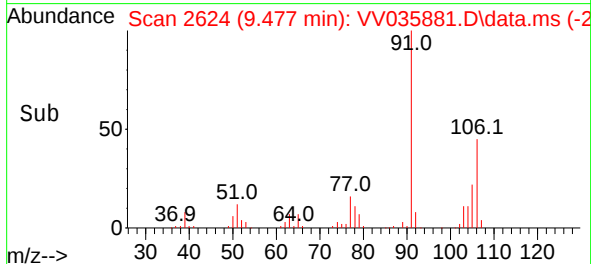
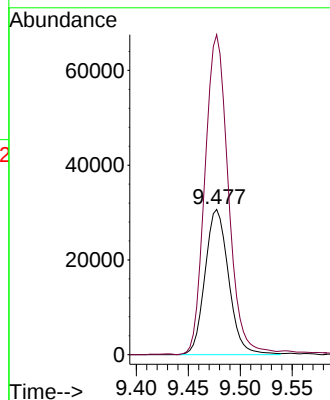
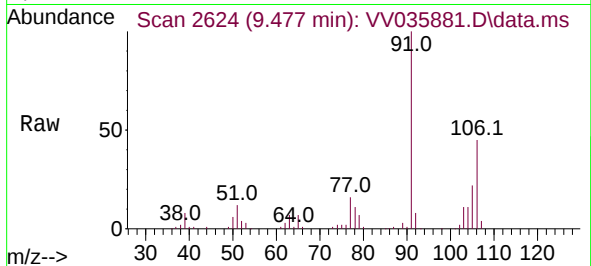




#54
o-Xylene
Concen: 3.703 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

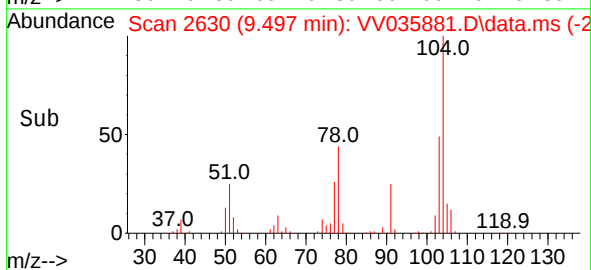
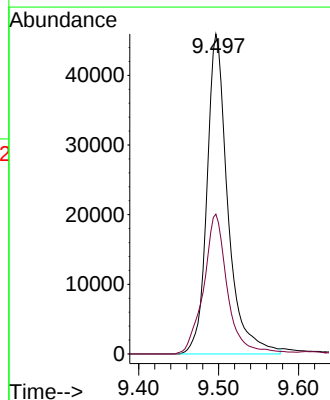
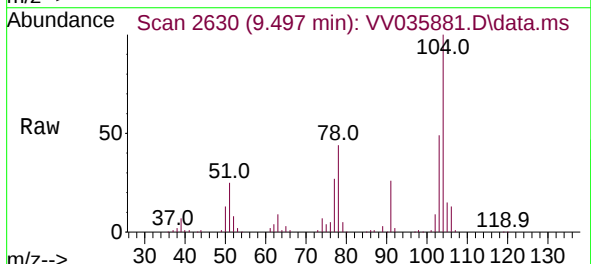
Instrument :
MSVOA_V
ClientSampleId :

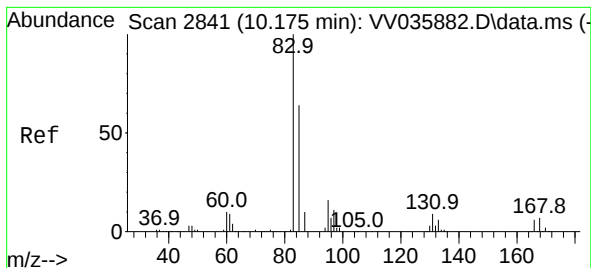
Tgt Ion:106 Resp: 48515
Ion Ratio Lower Upper
106 100
91 220.2 154.5 286.9



#55
Styrene
Concen: 3.652 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.006 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion:104 Resp: 83664
Ion Ratio Lower Upper
104 100
78 43.7 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 3.895 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

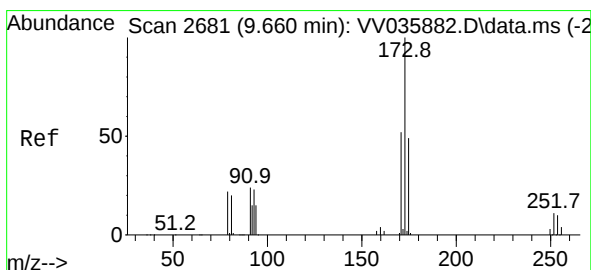
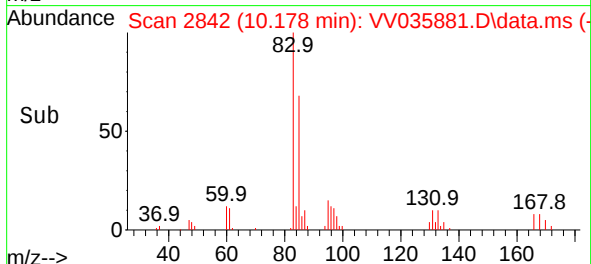
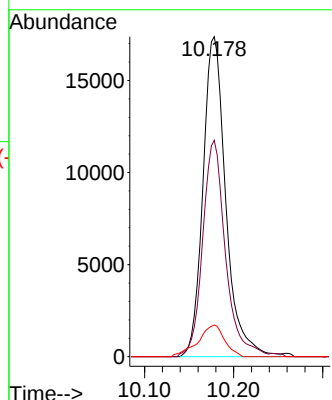
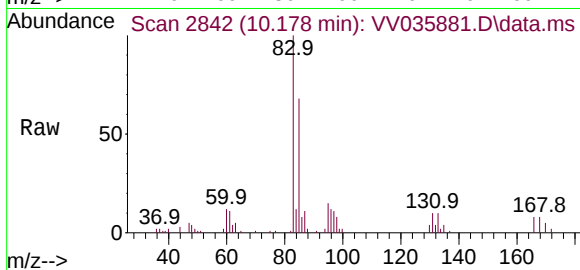
Tgt Ion: 83 Resp: 30925

Ion Ratio Lower Upper

83 100

85 67.6 45.1 83.7

131 9.9 7.6 11.4



#59

Bromoform

Concen: 4.708 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.006 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

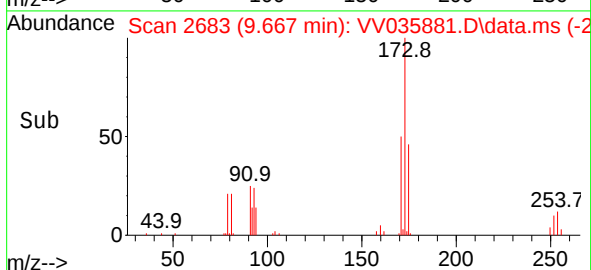
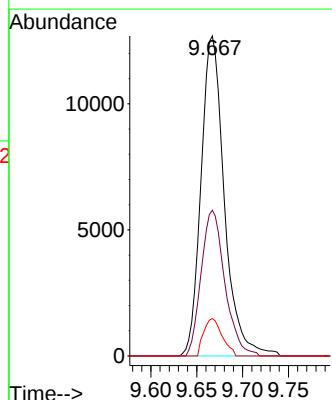
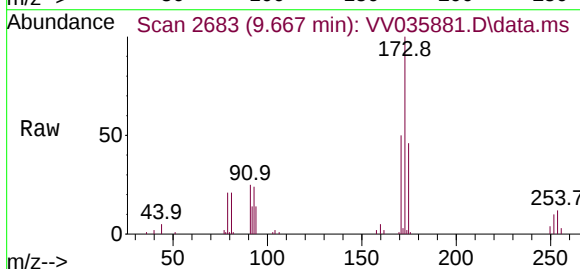
Tgt Ion: 173 Resp: 22470

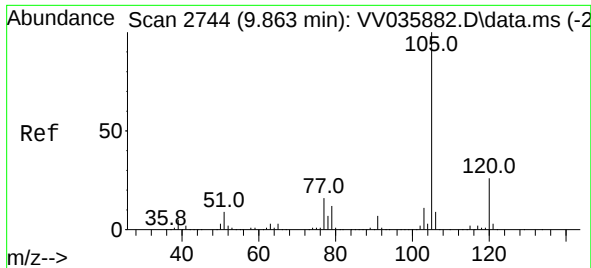
Ion Ratio Lower Upper

173 100

175 46.1 39.0 58.6

254 9.2 8.6 13.0

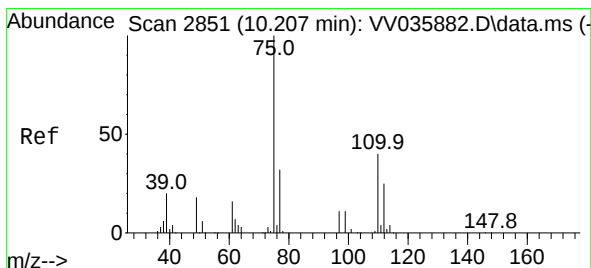
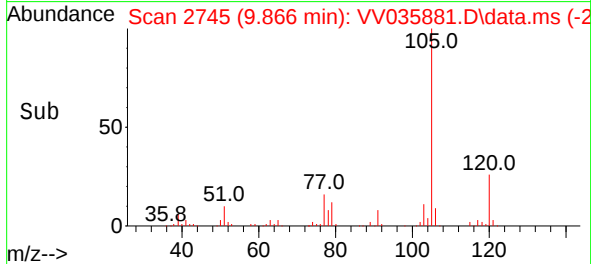
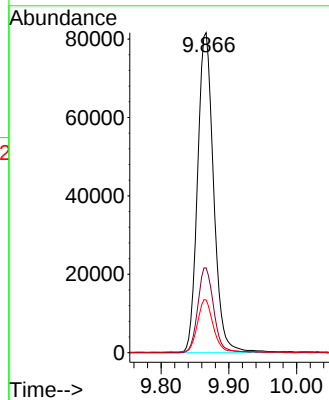
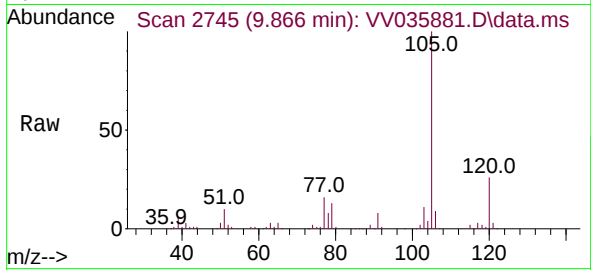




#60
Isopropylbenzene
Concen: 4.125 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

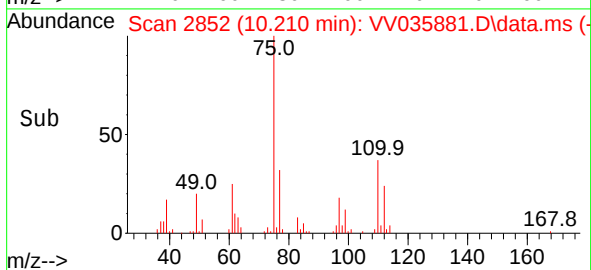
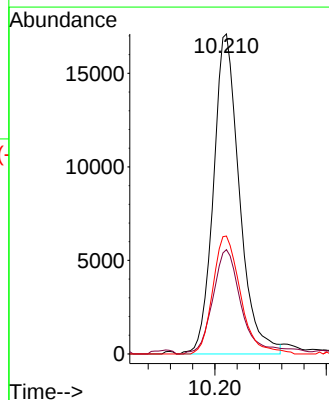
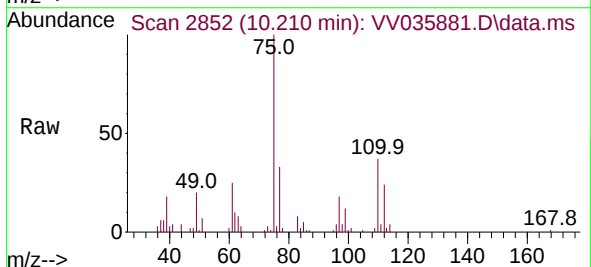
Instrument :
MSVOA_V
ClientSampleId :

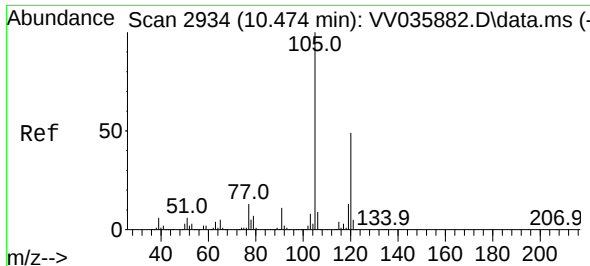
Tgt Ion:105 Resp: 134454
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 15.6 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 4.822 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion: 75 Resp: 27739
Ion Ratio Lower Upper
75 100
77 34.5 26.0 39.0
110 39.2 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 3.591 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

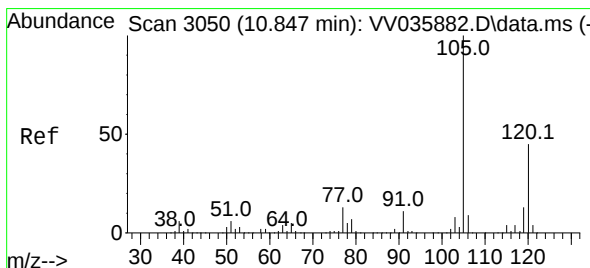
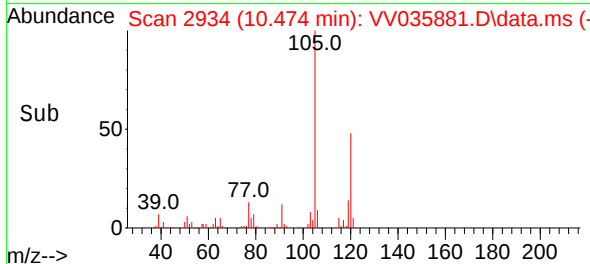
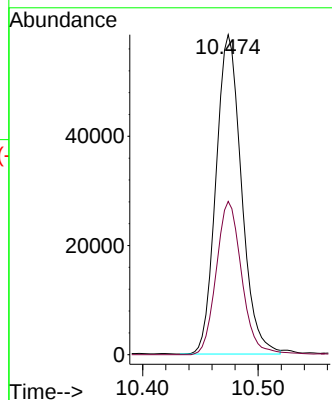
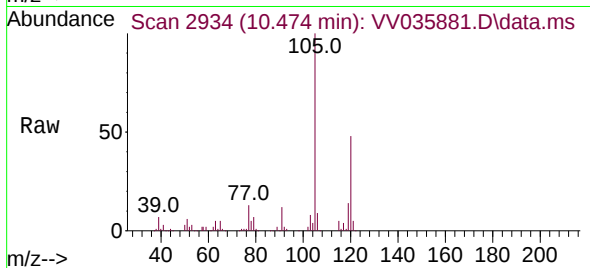
ClientSampleId :

Tgt Ion:105 Resp: 89597

Ion Ratio Lower Upper

105 100

120 48.1 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 3.624 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035881.D

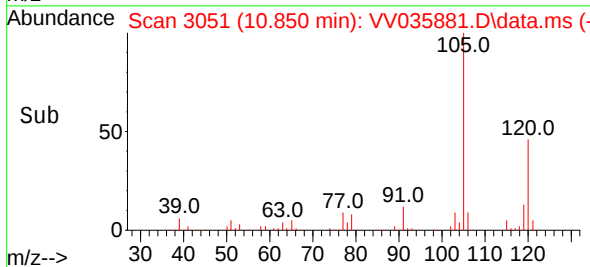
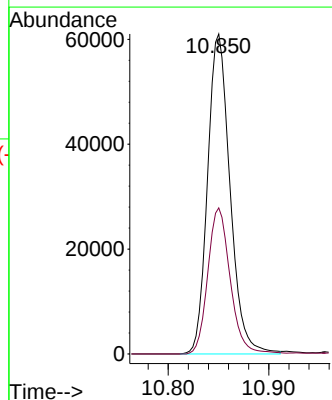
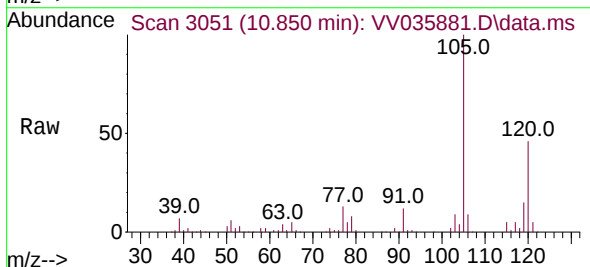
Acq: 30 May 2024 09:29

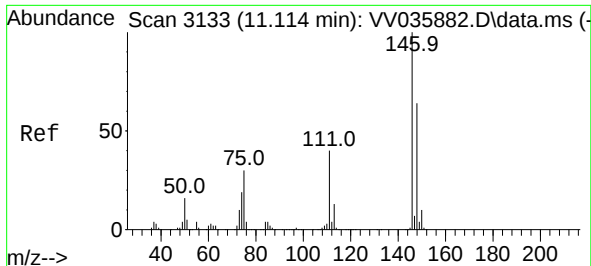
Tgt Ion:105 Resp: 94796

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4

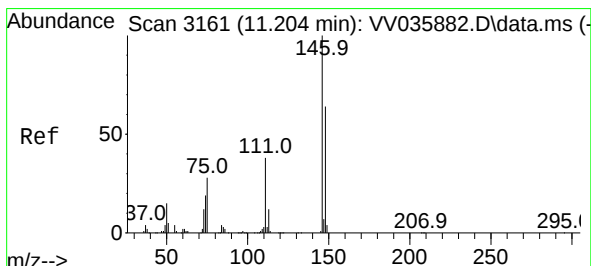
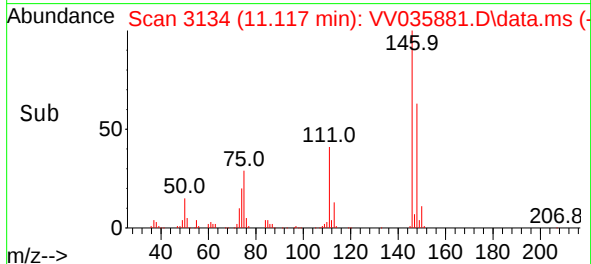
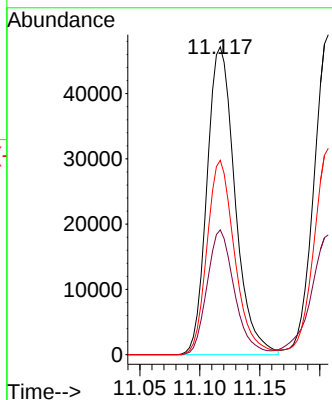
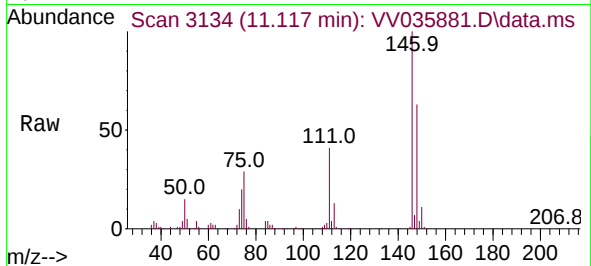




#64
1,3-Dichlorobenzene
Concen: 4.485 ug/L
RT: 11.117 min Scan# 3133
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

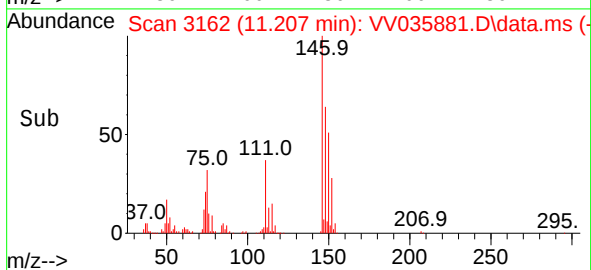
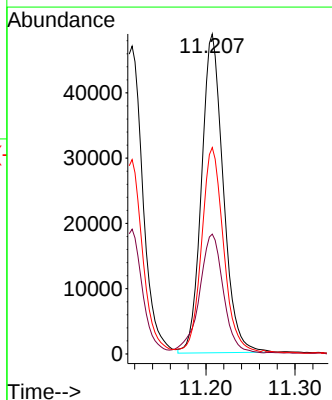
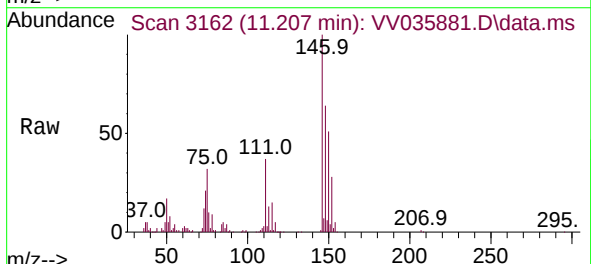
Instrument :
MSVOA_V
ClientSampleId :

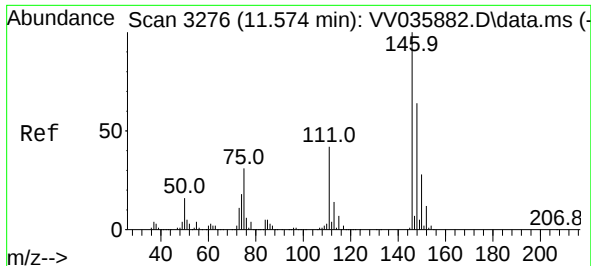
Tgt Ion:146 Resp: 76688
Ion Ratio Lower Upper
146 100
111 40.5 28.1 52.1
148 63.2 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 4.645 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

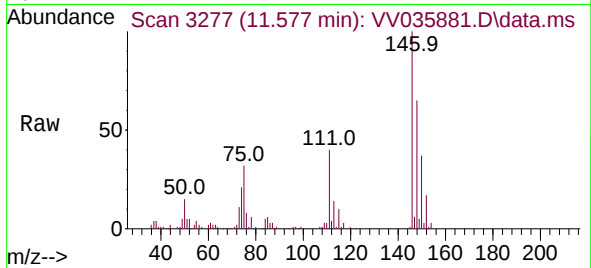
Tgt Ion:146 Resp: 82723
Ion Ratio Lower Upper
146 100
111 37.4 26.9 50.1
148 64.5 44.5 82.7



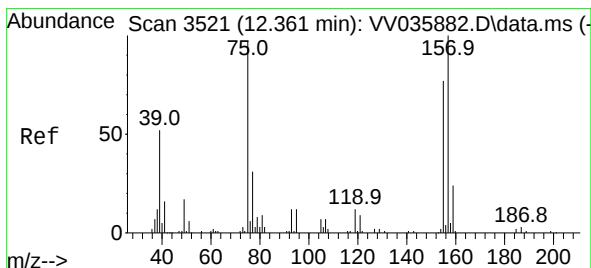
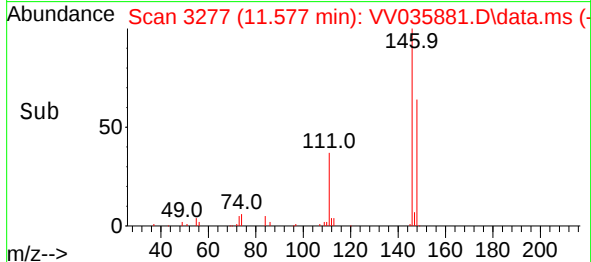
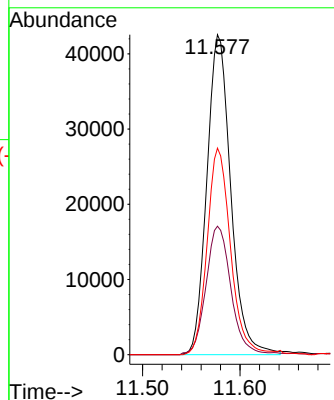


#67
1,2-Dichlorobenzene
Concen: 4.509 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Instrument :
MSVOA_V
ClientSampleId :

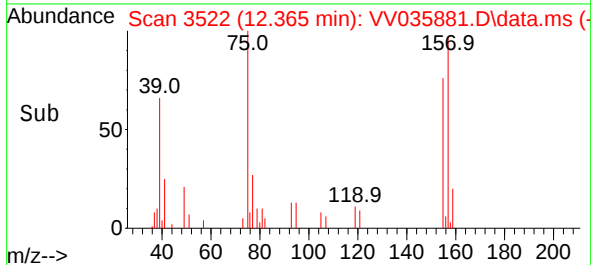
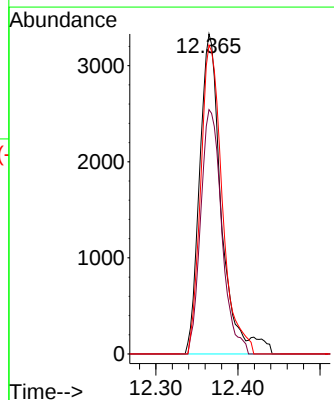
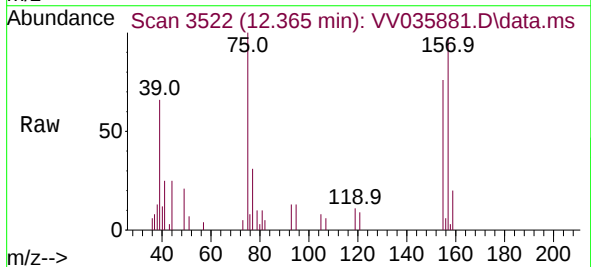


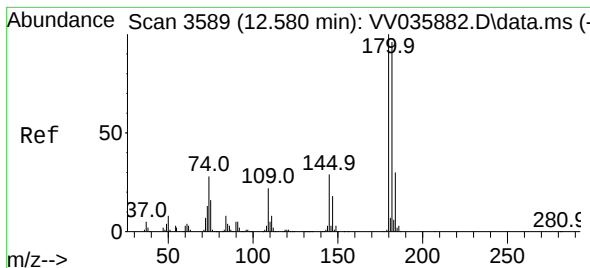
Tgt Ion:146 Resp: 72691
Ion Ratio Lower Upper
146 100
111 40.1 33.5 50.3
148 64.6 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 4.586 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion: 75 Resp: 6123
Ion Ratio Lower Upper
75 100
155 76.3 63.3 94.9
157 96.5 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 4.247 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

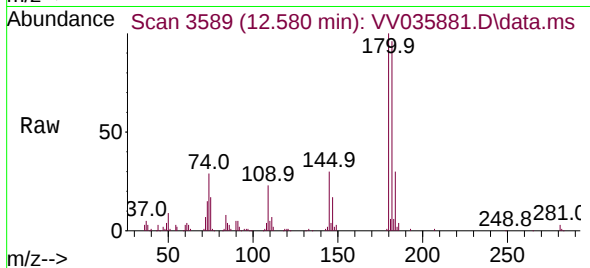
Lab File: VV035881.D

Acq: 30 May 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 56199

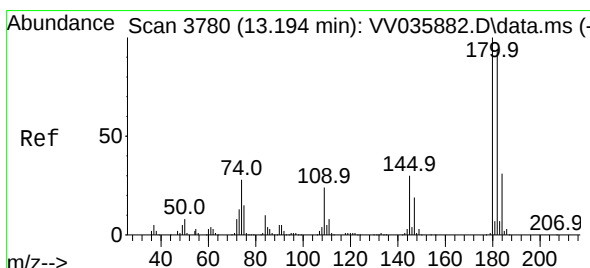
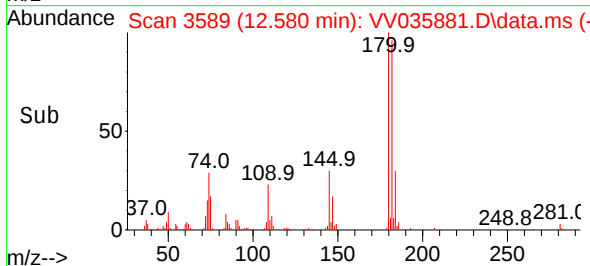
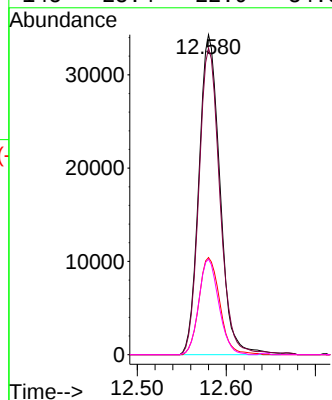
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

184 30.1 24.2 36.2

145 28.4 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 3.850 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035881.D

Acq: 30 May 2024 09:29

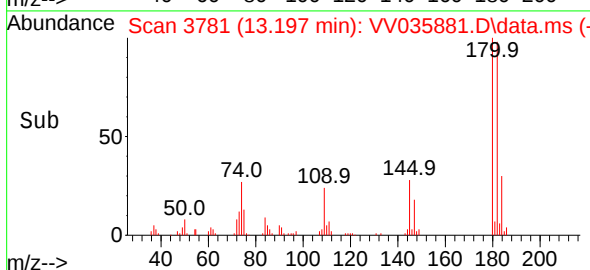
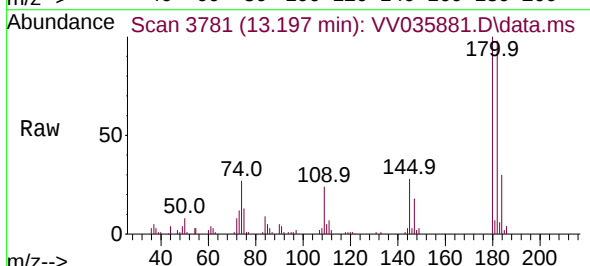
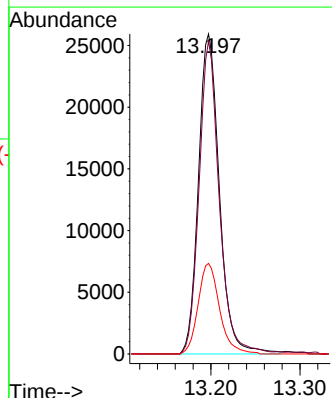
Tgt Ion:180 Resp: 42278

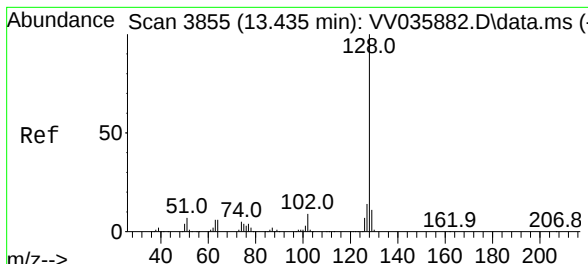
Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 29.0 23.5 35.3

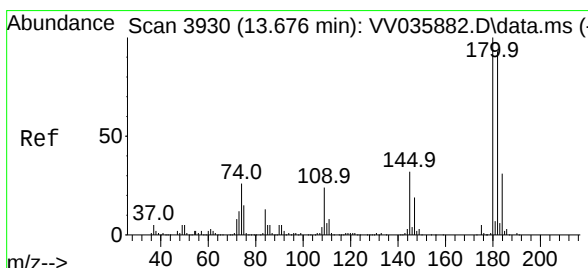
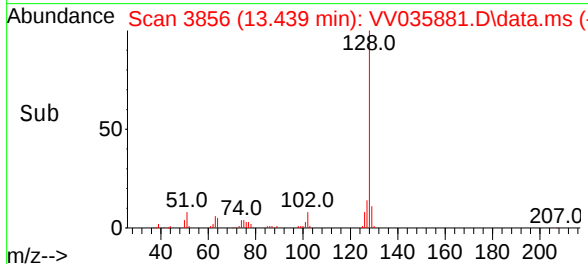
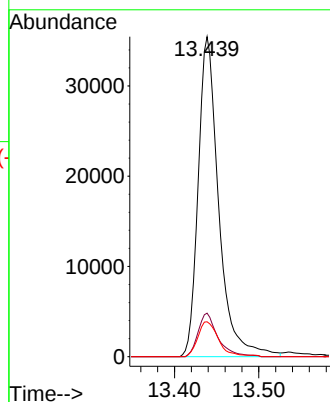
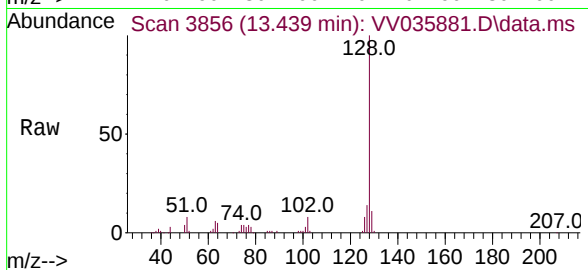




#71
Naphthalene
Concen: 3.150 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	128	Resp:	60270
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.9	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 3.646 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV035881.D
Acq: 30 May 2024 09:29

Tgt Ion:	180	Resp:	36448
Ion Ratio	Lower	Upper	
180	100		
182	97.5	75.1	112.7
145	31.6	25.2	37.8

