

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037533.D
 Acq On : 26 Sep 2024 08:24
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:13:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:13:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	703670	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	667999	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	331233	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	27990	4.531	ug/L	0.00
7) Chloroethane-d5	1.532	69	21466	4.477	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	11484	4.450	ug/L	0.00
21) 2-Butanone-d5	3.818	46	8860	4.117	ug/L	0.03
24) Chloroform-d	4.246	84	45796	4.167	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	25404	3.949	ug/L	0.00
32) Benzene-d6	4.957	84	86010	4.115	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	26741	3.887	ug/L	0.00
41) Toluene-d8	7.243	98	69385	3.661	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	11352	3.671	ug/L	0.02
47) 2-Hexanone-d5	8.046	63	6641	4.916	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.149	84	29638	3.832	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	28534	4.088	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	23523	3.927	ug/L	99
3) Chloromethane	1.217	50	22099	3.800	ug/L	99
5) Vinyl chloride	1.285	62	22387	3.591	ug/L	93
6) Bromomethane	1.487	94	11524	3.331	ug/L	96
8) Chloroethane	1.548	64	14630	3.807	ug/L	100
9) Trichlorofluoromethane	1.715	101	31273	3.726	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	19257	3.840	ug/L	97
12) 1,1-Dichloroethene	2.069	96	17777	3.795	ug/L	91
13) Acetone	2.111	43	17934	8.315	ug/L	99
14) Carbon disulfide	2.240	76	55025	3.763	ug/L	100
15) Methyl Acetate	2.375	43	13022	3.460	ug/L	100
16) Methylene chloride	2.442	84	20533	3.871	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	17892	3.610	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	48221	3.391	ug/L	98
19) 1,1-Dichloroethane	3.104	63	33808	3.560	ug/L	97
20) cis-1,2-Dichloroethene	3.812	96	18672	3.367	ug/L	94
22) 2-Butanone	3.905	43	10275	4.431	ug/L	75
23) Bromochloromethane	4.146	128	9915	3.456	ug/L	98
25) Chloroform	4.275	83	36318	3.694	ug/L	97
27) 1,2-Dichloroethane	5.040	62	21518	3.100	ug/L	98
29) Cyclohexane	4.571	56	24234	3.195	ug/L	95
30) 1,1,1-Trichloroethane	4.503	97	29862	3.630	ug/L	98
31) Carbon tetrachloride	4.725	117	24656	3.447	ug/L	94
33) Benzene	5.008	78	69368	3.443	ug/L	100
34) Trichloroethene	5.834	95	18721	3.489	ug/L	94
35) Methylcyclohexane	6.040	83	26991	3.270	ug/L	93
37) 1,2-Dichloropropane	6.091	63	17766	3.415	ug/L #	96
38) Bromodichloromethane	6.436	83	23931	3.441	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	25053	3.017	ug/L	93
40) 4-Methyl-2-pentanone	7.169	43	21956	5.277	ug/L	97
42) Toluene	7.313	91	66382	3.178	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	23636	3.161	ug/L	95

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 ClientSampleId :

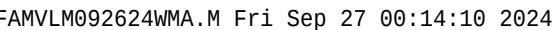
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:13:08 2024
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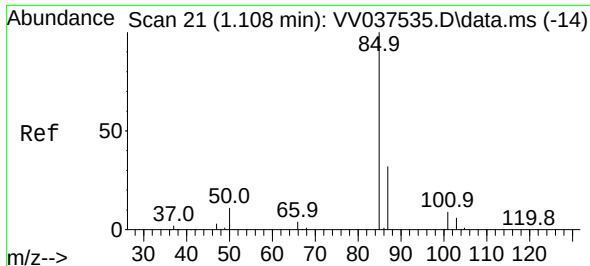
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	16789	3.361	ug/L	91
46) Tetrachloroethene	7.899	164	14838	3.617	ug/L	99
48) 2-Hexanone	8.088	43	15763	5.104	ug/L #	88
49) Dibromochloromethane	8.172	129	17275	3.268	ug/L	99
50) 1,2-Dibromoethane	8.284	107	16448	3.185	ug/L	95
51) Chlorobenzene	8.812	112	49104	3.451	ug/L	95
52) Ethylbenzene	8.943	91	73217	3.114	ug/L	96
53) m,p-Xylene	9.072	106	26786	3.061	ug/L	99
54) o-Xylene	9.474	106	26369	3.087	ug/L	81
55) Styrene	9.496	104	39232	2.638	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.172	83	23372	3.356	ug/L	95
59) Bromoform	9.660	173	11116	3.434	ug/L	98
60) Isopropylbenzene	9.863	105	66153	3.072	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	16030	3.401	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	50361	2.958	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	46417	2.740	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	35659	3.440	ug/L	97
65) 1,4-Dichlorobenzene	11.204	146	40989	3.798	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	36017	3.515	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.365	75	3527	3.083	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.580	180	25028	3.511	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	21322	3.224	ug/L	96
71) Naphthalene	13.438	128	44671	2.585	ug/L	97
72) 1,2,3-Trichlorobenzene	13.676	180	20508	3.140	ug/L	98

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

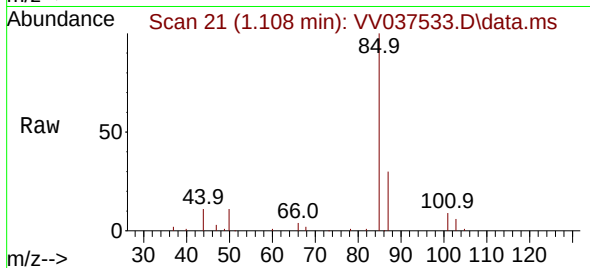
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
Quant Title : VOC Analysis
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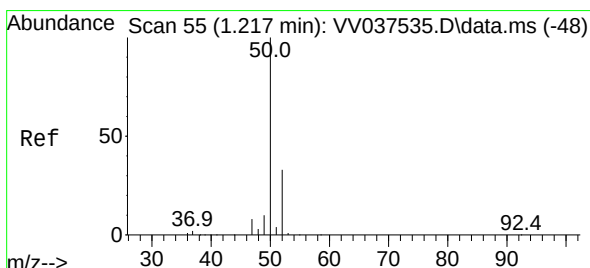
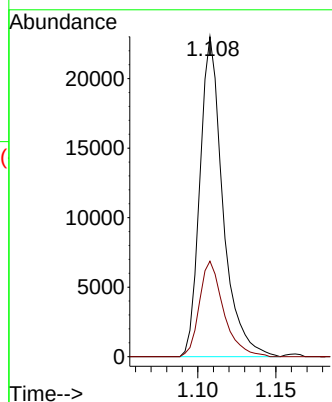
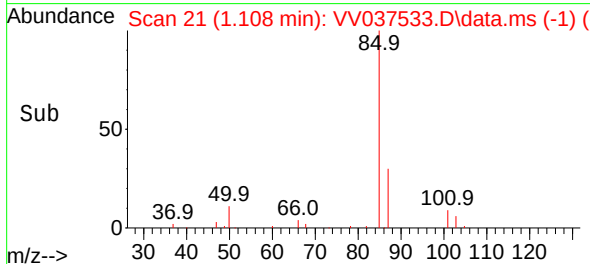


#2
 Dichlorodifluoromethane
 Concen: 3.927 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV037533.D
 Acq: 26 Sep 2024 08:24

Instrument :
 MSVOA_V
 ClientSampleId :

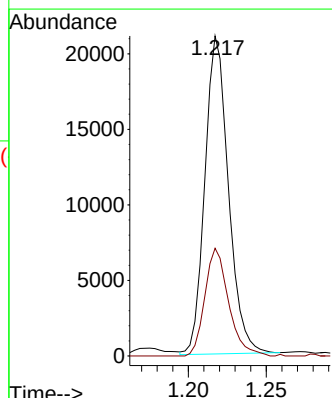
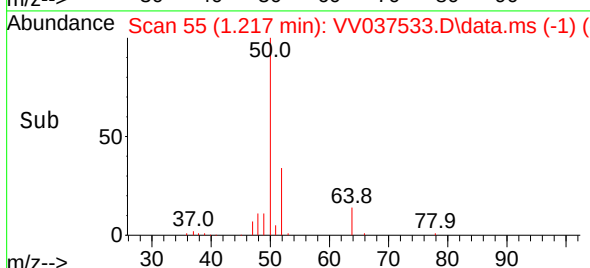
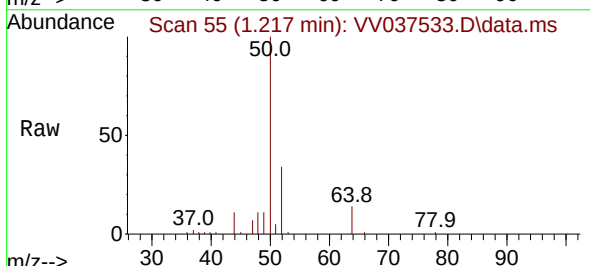


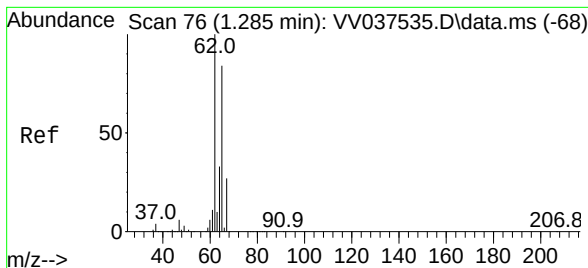
Tgt Ion: 85 Resp: 23523
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.8 38.8



#3
 Chloromethane
 Concen: 3.800 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV037533.D
 Acq: 26 Sep 2024 08:24

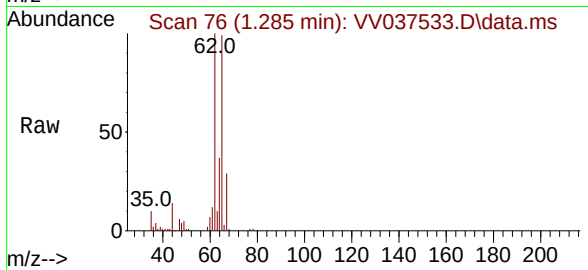
Tgt Ion: 50 Resp: 22099
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.2 43.2



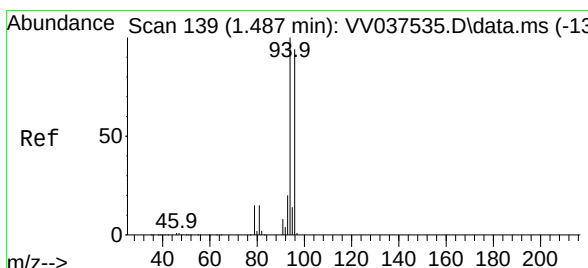
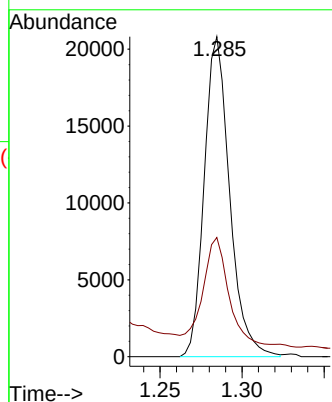
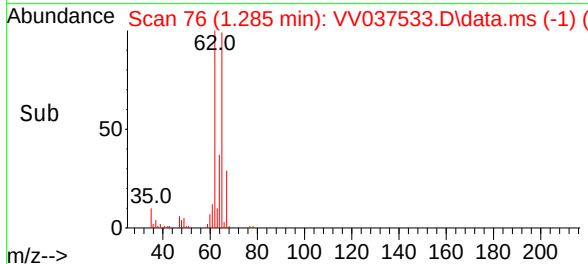


#5
 Vinyl chloride
 Concen: 3.591 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV037533.D
 Acq: 26 Sep 2024 08:24

Instrument :
 MSVOA_V
 ClientSampleId :

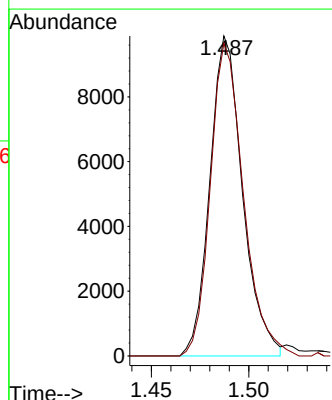
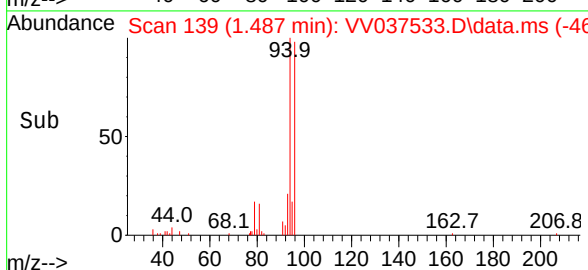
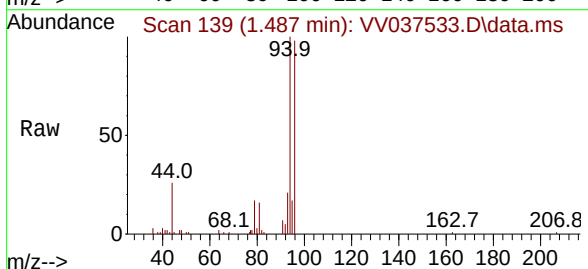


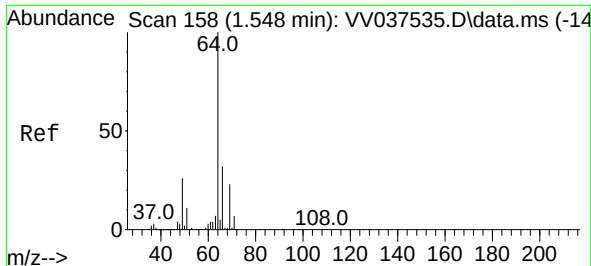
Tgt Ion: 62 Resp: 22387
 Ion Ratio Lower Upper
 62 100
 64 37.2 23.2 43.0



#6
 Bromomethane
 Concen: 3.331 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV037533.D
 Acq: 26 Sep 2024 08:24

Tgt Ion: 94 Resp: 11524
 Ion Ratio Lower Upper
 94 100
 96 97.7 65.8 122.2

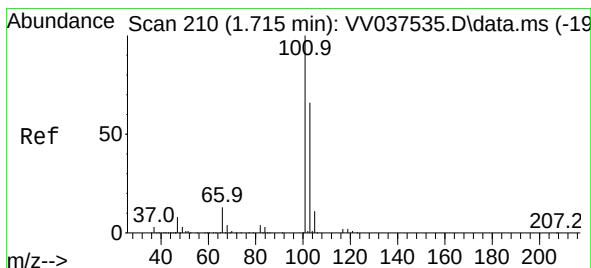
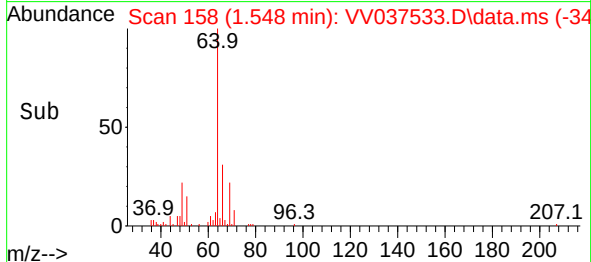
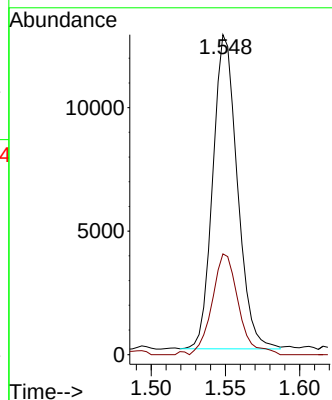
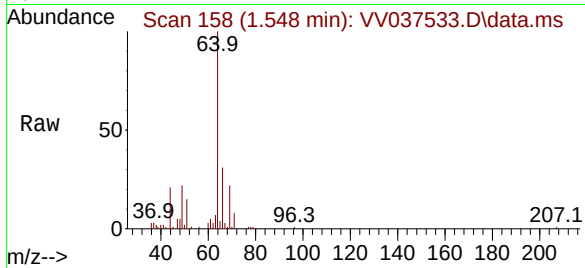




#8
Chloroethane
Concen: 3.807 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

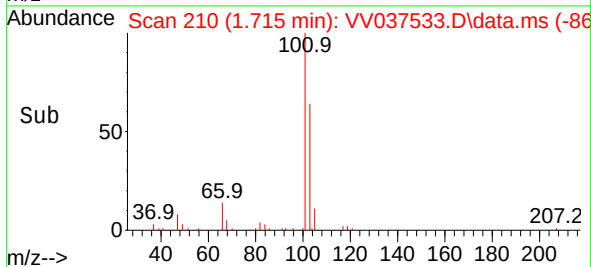
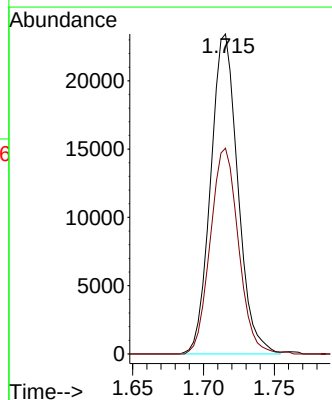
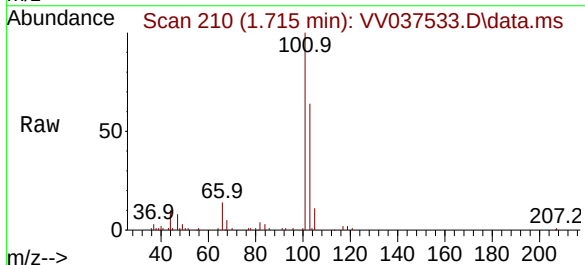
Instrument :
MSVOA_V
ClientSampleId :

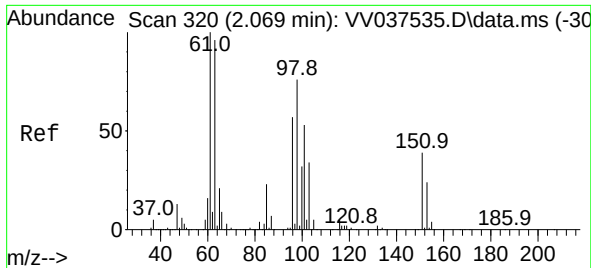
Tgt Ion: 64 Resp: 14630
Ion Ratio Lower Upper
64 100
66 31.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 3.726 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion:101 Resp: 31273
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.4

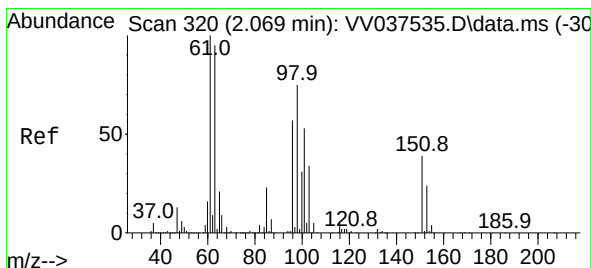
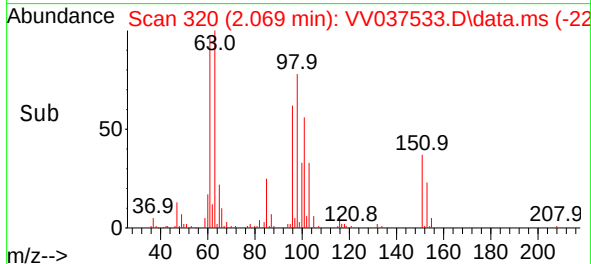
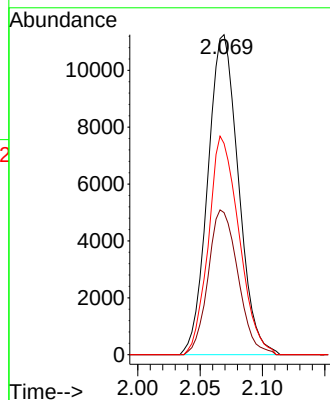
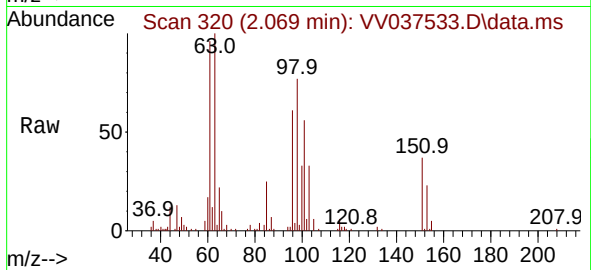




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.840 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

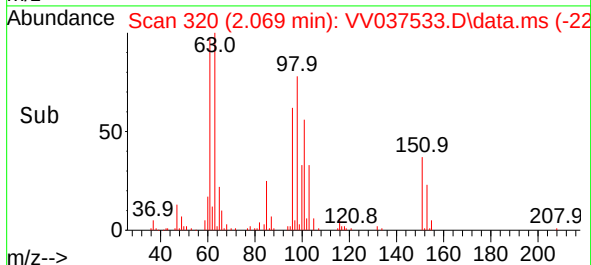
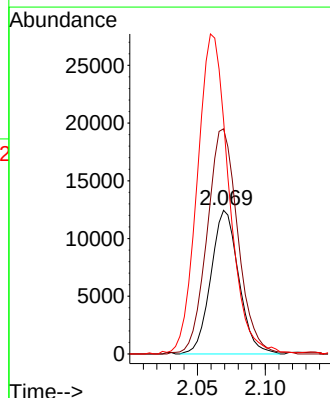
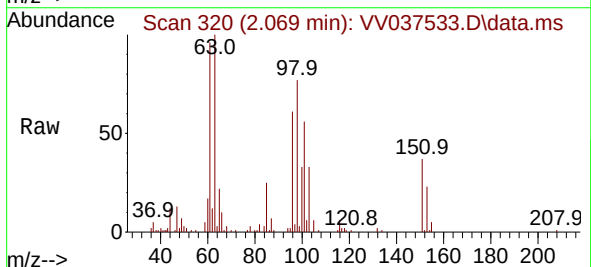
Instrument :
MSVOA_V
ClientSampleId :

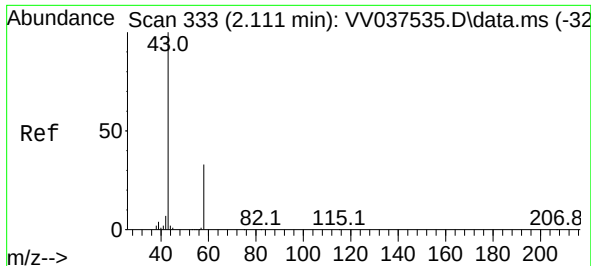
Tgt Ion:101 Resp: 19257
Ion Ratio Lower Upper
101 100
85 44.1 34.6 52.0
151 68.1 57.5 86.3



#12
1,1-Dichloroethene
Concen: 3.795 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 96 Resp: 17777
Ion Ratio Lower Upper
96 100
61 156.6 122.6 227.6
63 162.8 118.0 219.2





#13

Acetone

Concen: 8.315 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

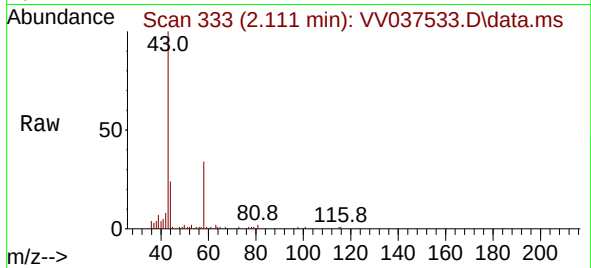
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Instrument :

MSVOA_V

ClientSampleId :

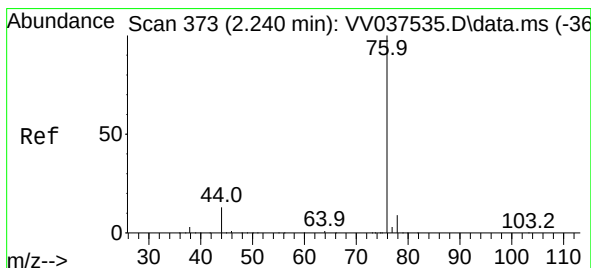
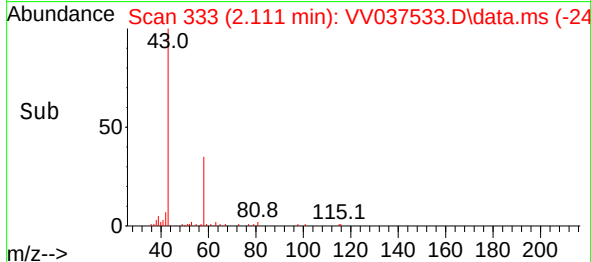
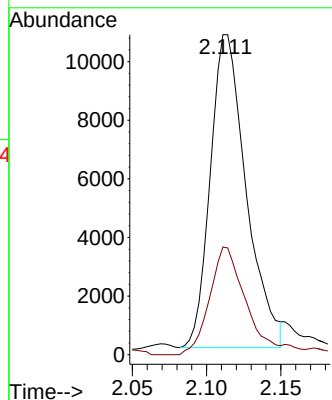


Tgt Ion: 43 Resp: 17934

Ion Ratio Lower Upper

43 100

58 34.0 0.0 66.6



#14

Carbon disulfide

Concen: 3.763 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV037533.D

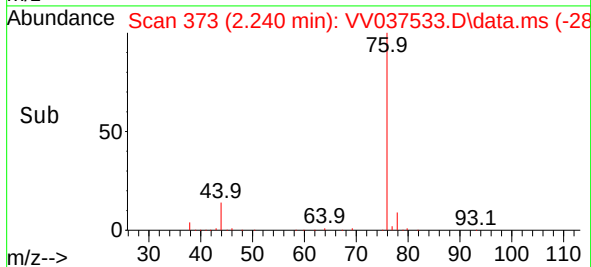
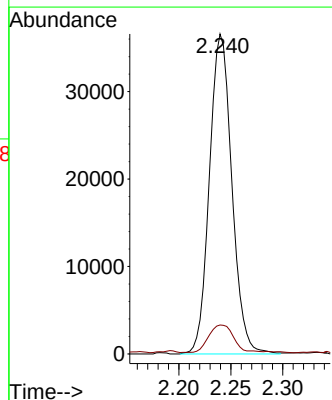
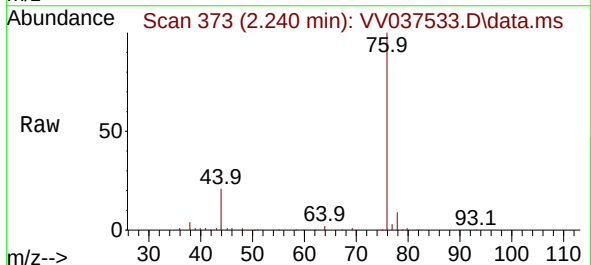
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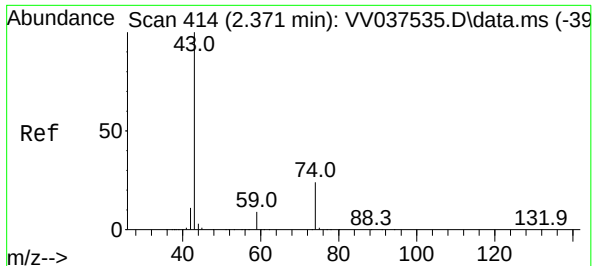
Tgt Ion: 76 Resp: 55025

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 3.460 ug/L

RT: 2.375 min Scan# 414

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

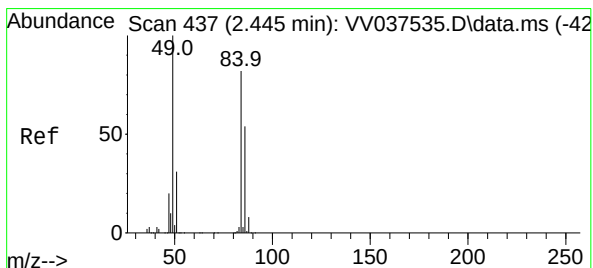
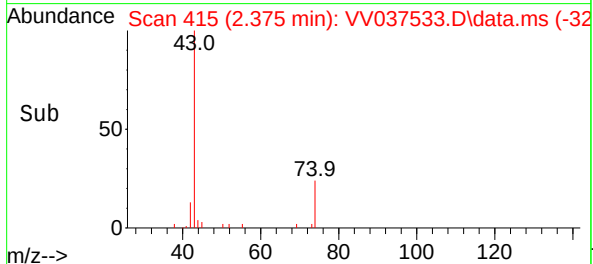
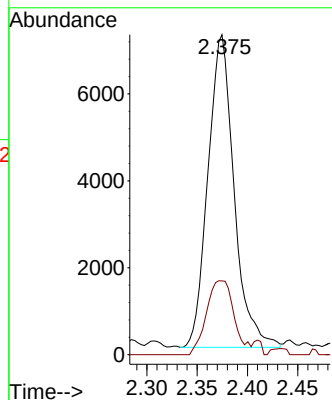
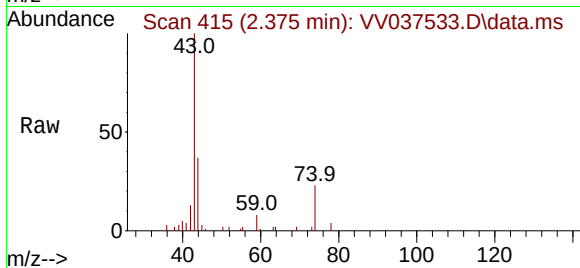
ClientSampleId :

Tgt Ion: 43 Resp: 13022

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.0



#16

Methylene chloride

Concen: 3.871 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

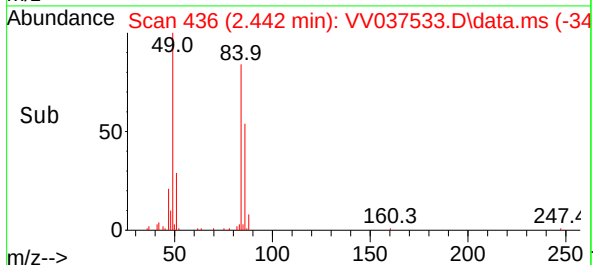
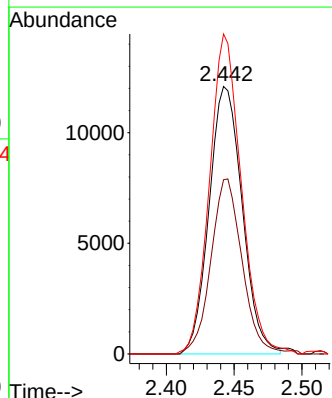
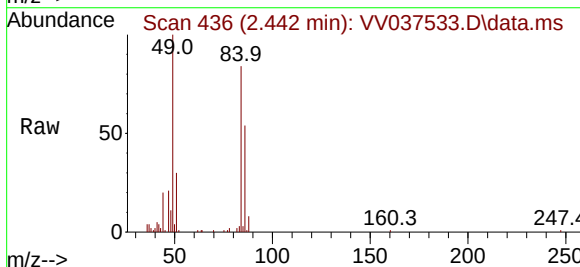
Tgt Ion: 84 Resp: 20533

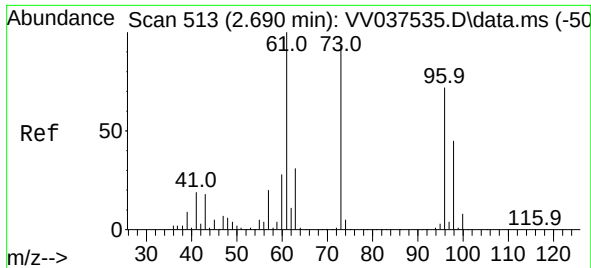
Ion Ratio Lower Upper

84 100

86 65.1 46.4 86.2

49 119.6 85.9 159.5

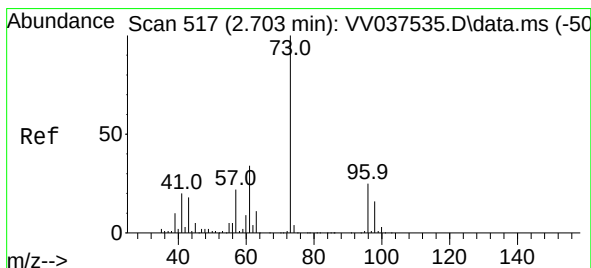
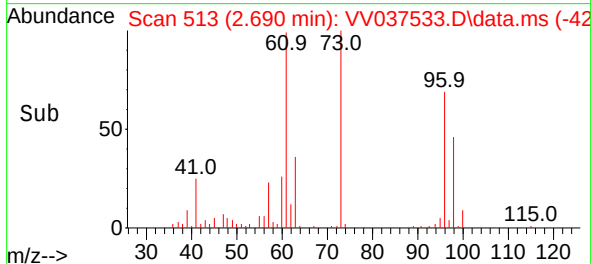
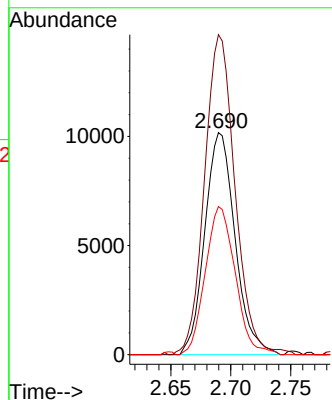
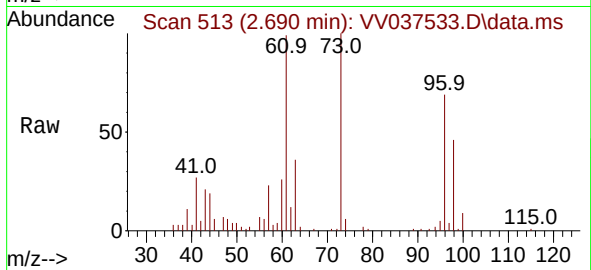




#17
trans-1,2-Dichloroethene
Concen: 3.610 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

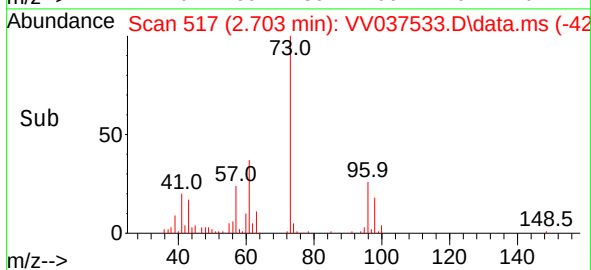
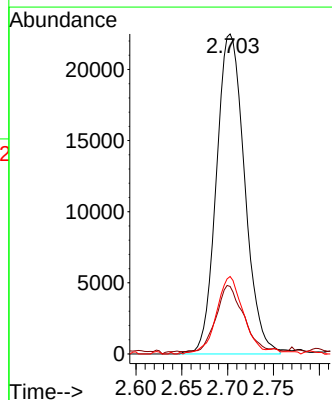
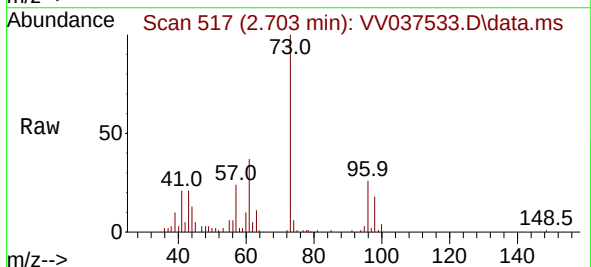
Instrument :
MSVOA_V
ClientSampleId :

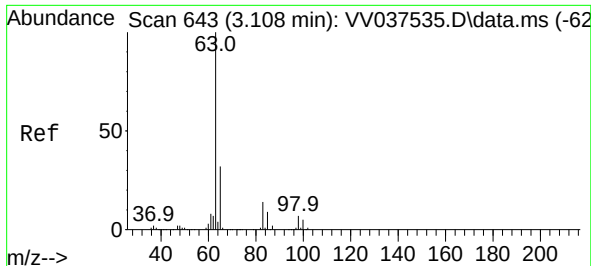
Tgt Ion: 96 Resp: 17892
Ion Ratio Lower Upper
96 100
61 144.1 97.3 180.7
98 66.7 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 3.391 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 73 Resp: 48221
Ion Ratio Lower Upper
73 100
43 19.8 15.1 22.7
57 22.8 17.4 26.2

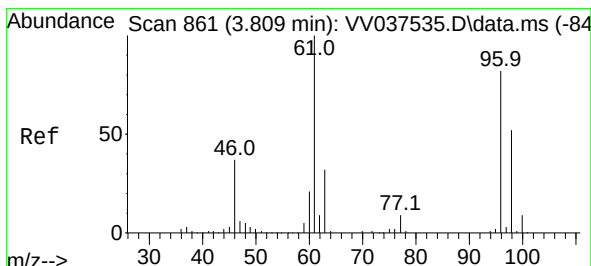
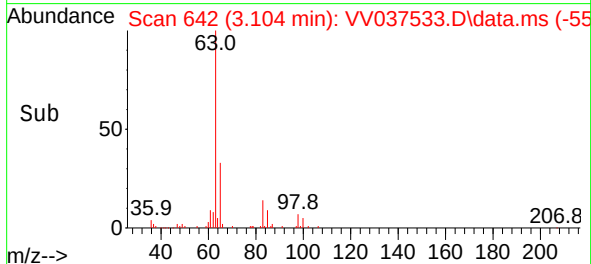
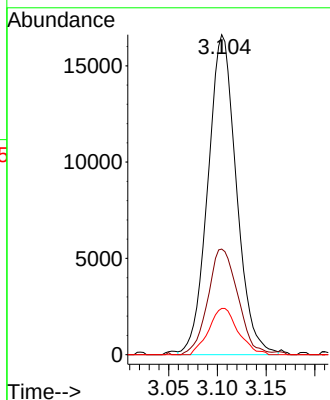
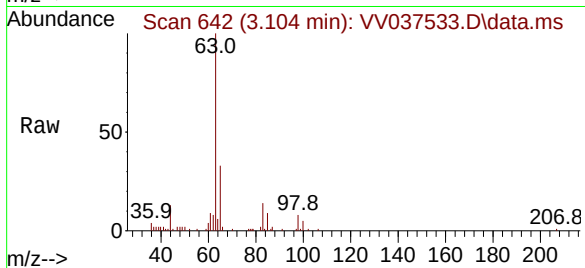




#19
1,1-Dichloroethane
Concen: 3.560 ug/L
RT: 3.104 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

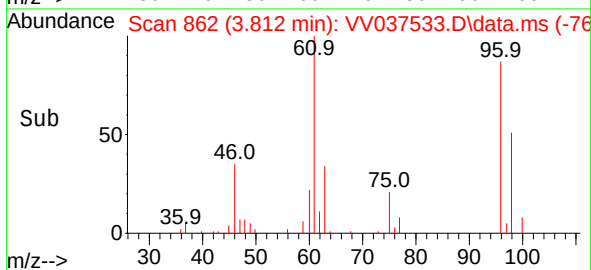
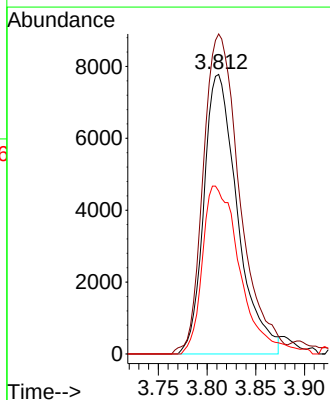
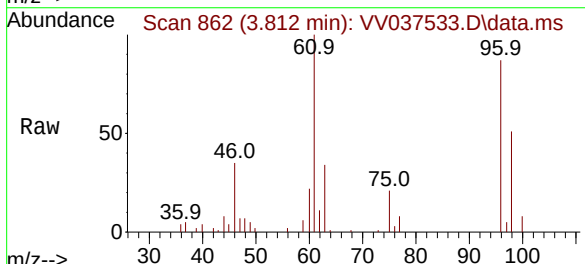
Instrument :
MSVOA_V
ClientSampleId :

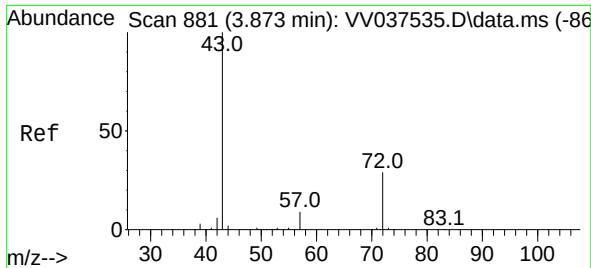
Tgt Ion: 63 Resp: 33808
Ion Ratio Lower Upper
63 100
65 33.0 22.4 41.6
83 15.6 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 3.367 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 96 Resp: 18672
Ion Ratio Lower Upper
96 100
61 114.5 85.0 157.8
98 58.3 44.2 82.0

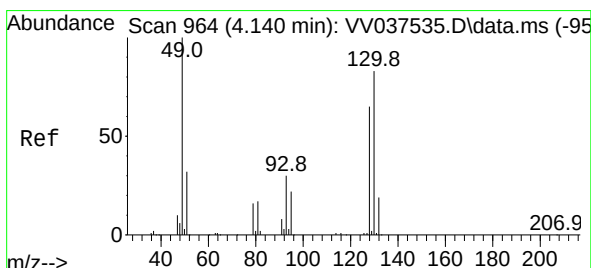
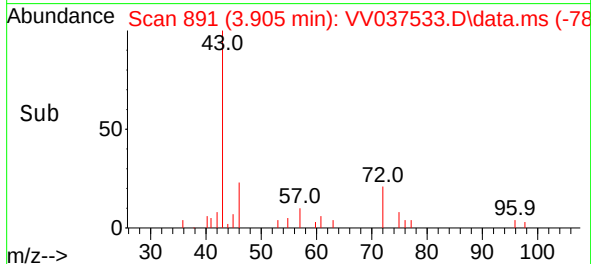
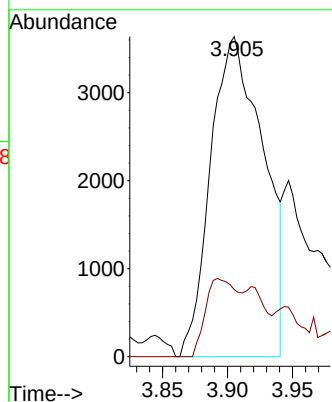
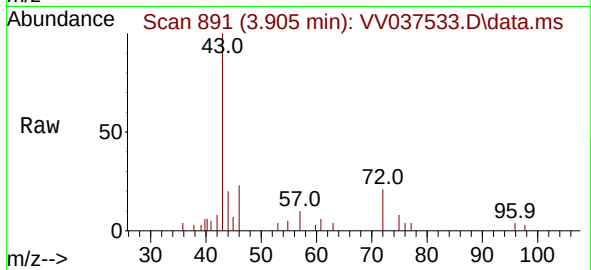




#22
2-Butanone
Concen: 4.431 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.032 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

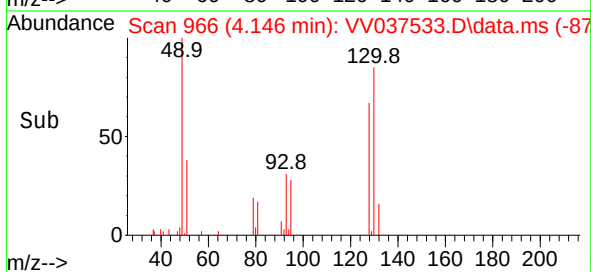
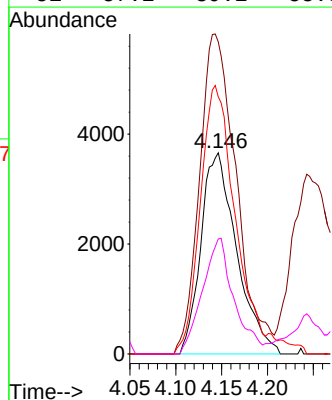
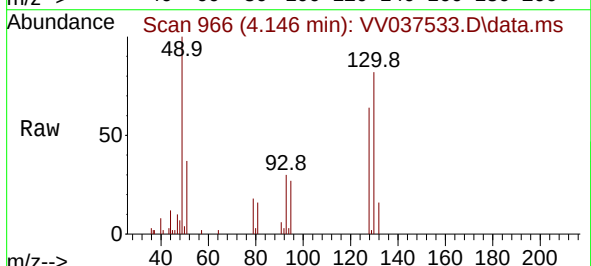
Instrument :
MSVOA_V
ClientSampleId :

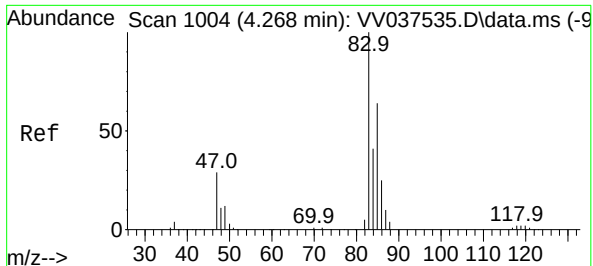
Tgt Ion: 43 Resp: 10275
Ion Ratio Lower Upper
43 100
72 15.4 14.3 42.9



#23
Bromochloromethane
Concen: 3.456 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.006 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 128 Resp: 9915
Ion Ratio Lower Upper
128 100
49 155.1 108.7 201.9
130 127.8 90.4 168.0
51 57.2 39.2 58.8





#25

Chloroform

Concen: 3.694 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

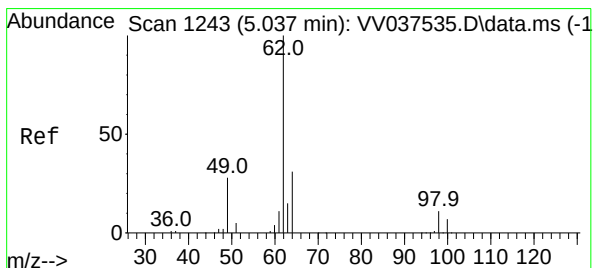
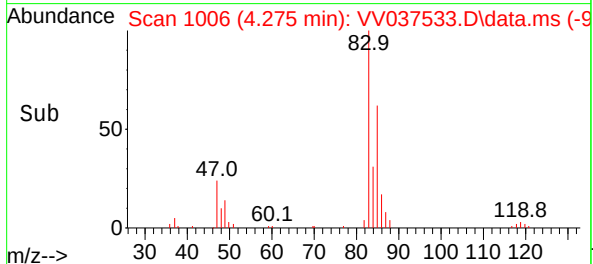
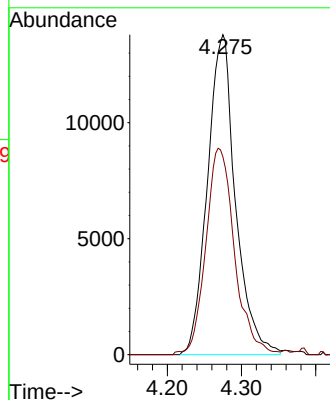
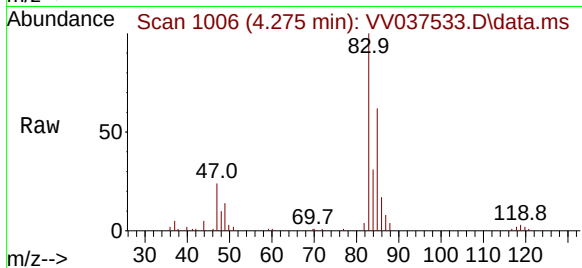
ClientSampleId :

Tgt Ion: 83 Resp: 36318

Ion Ratio Lower Upper

83 100

85 61.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 3.100 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV037533.D

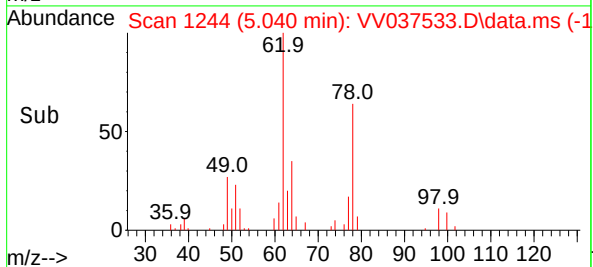
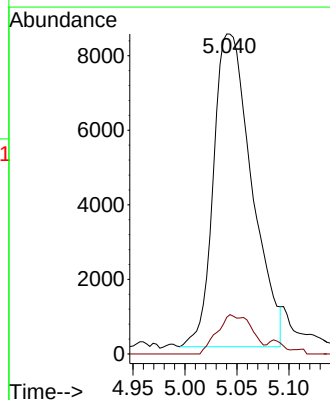
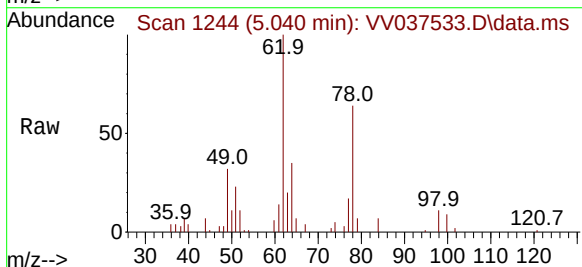
Acq: 26 Sep 2024 08:24

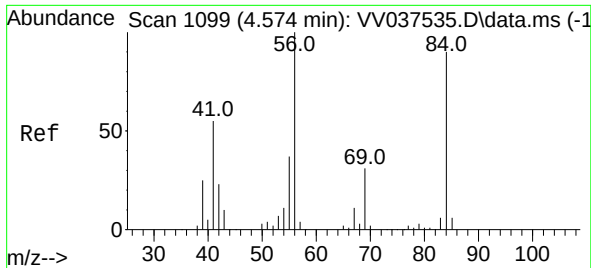
Tgt Ion: 62 Resp: 21518

Ion Ratio Lower Upper

62 100

98 11.4 8.4 12.6





#29

Cyclohexane

Concen: 3.195 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

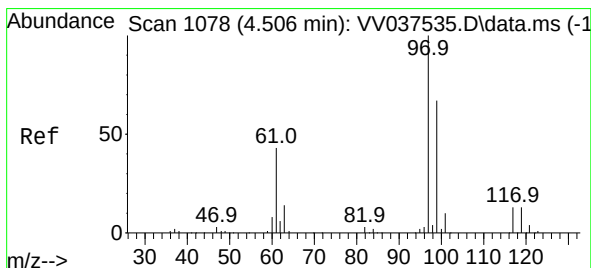
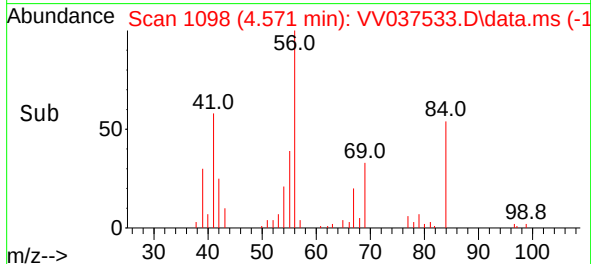
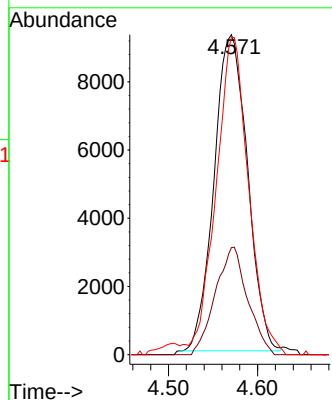
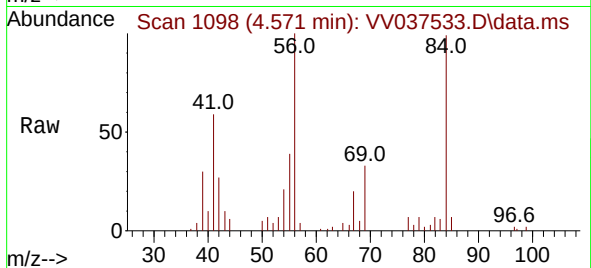
Tgt Ion: 56 Resp: 24234

Ion Ratio Lower Upper

56 100

69 32.6 24.7 37.1

84 96.9 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 3.630 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

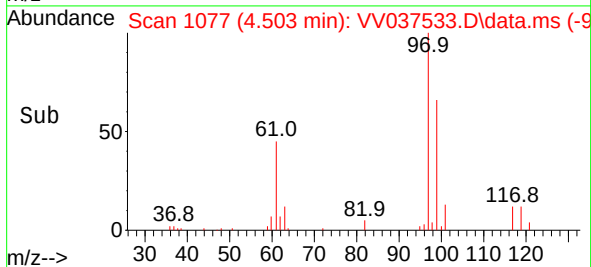
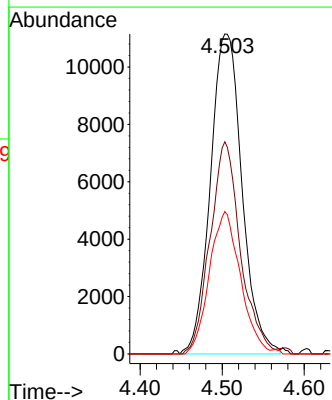
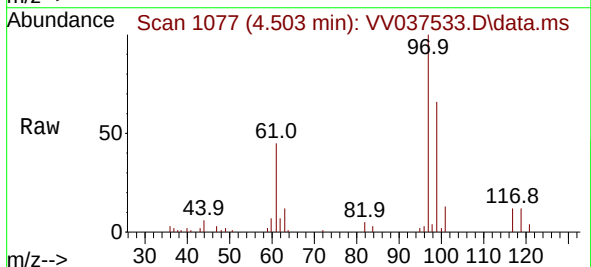
Tgt Ion: 97 Resp: 29862

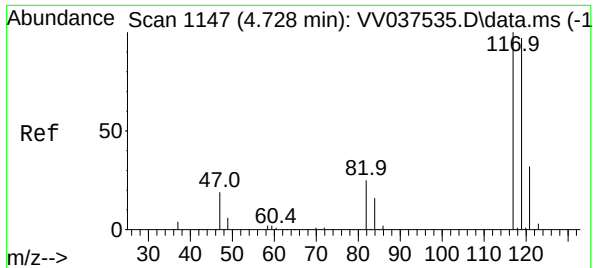
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 43.7 33.6 50.4

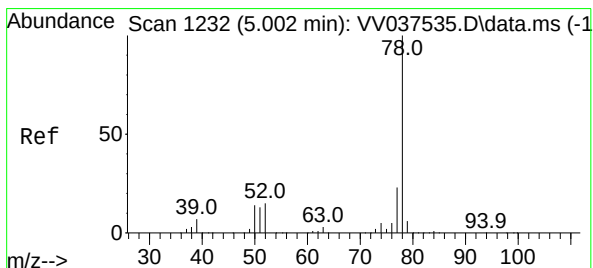
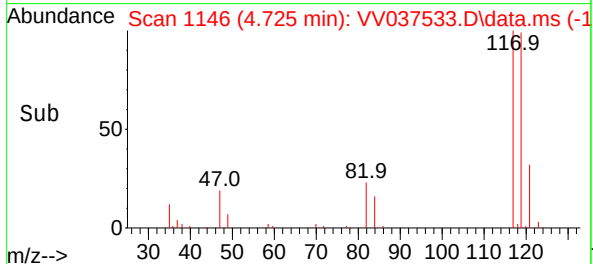
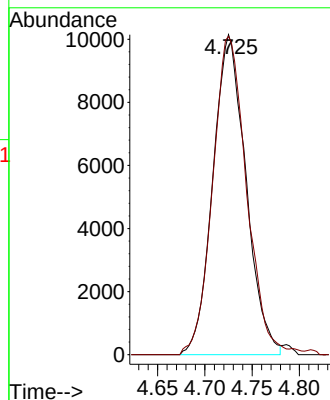
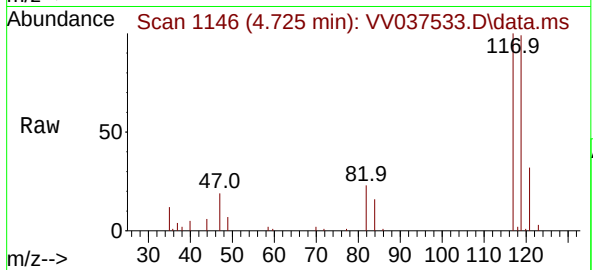




#31
Carbon tetrachloride
Concen: 3.447 ug/L
RT: 4.725 min Scan# 1147
Delta R.T. -0.003 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

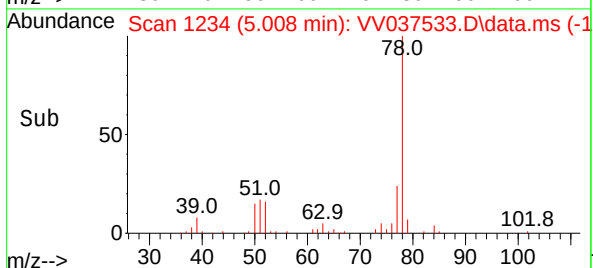
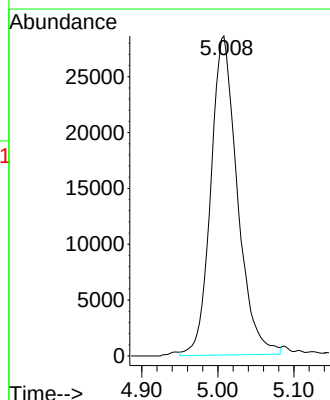
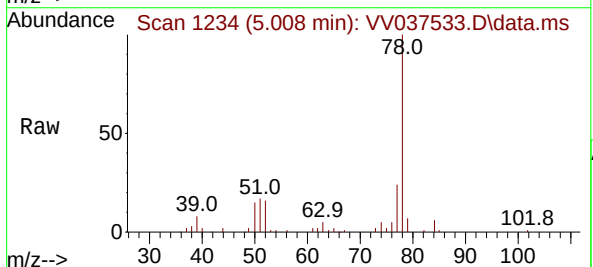
Instrument :
MSVOA_V
ClientSampleId :

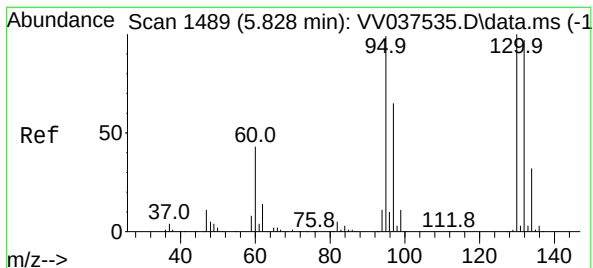
Tgt Ion:117 Resp: 24656
Ion Ratio Lower Upper
117 100
119 101.6 76.9 115.3



#33
Benzene
Concen: 3.443 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 78 Resp: 69368





#34

Trichloroethene

Concen: 3.489 ug/L

RT: 5.834 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 18721

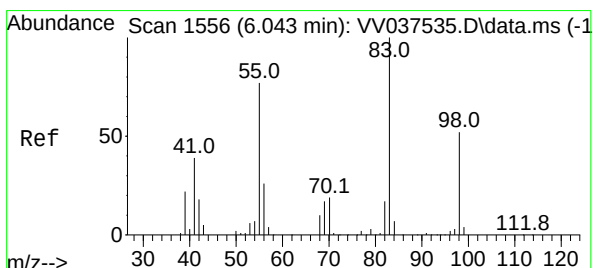
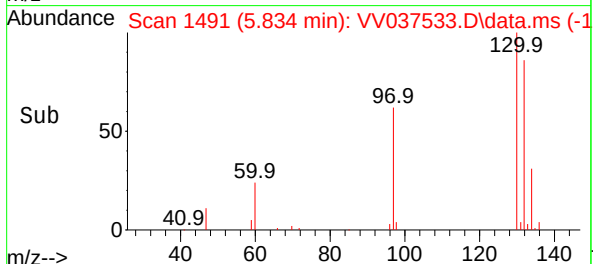
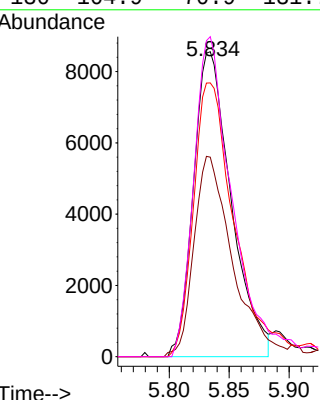
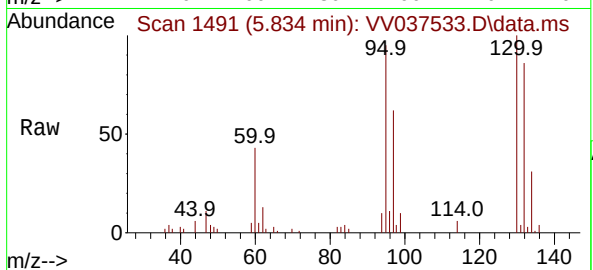
Ion Ratio Lower Upper

95 100

97 69.5 46.3 85.9

132 89.8 68.6 127.4

130 104.9 70.9 131.7



#35

Methylcyclohexane

Concen: 3.270 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

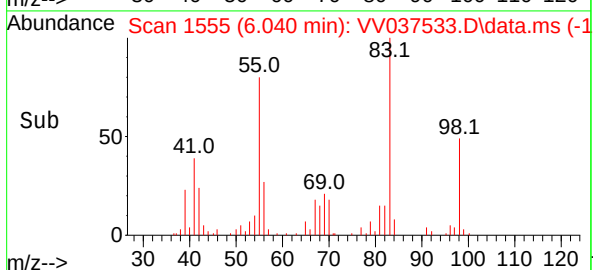
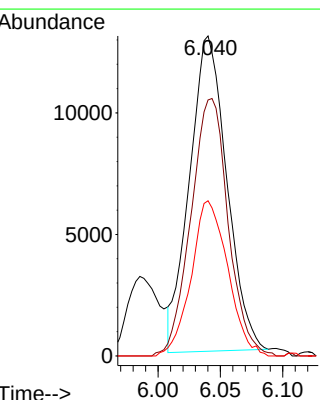
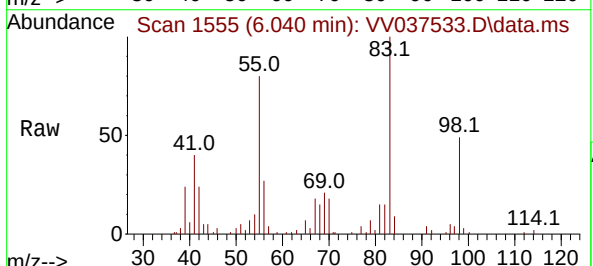
Tgt Ion: 83 Resp: 26991

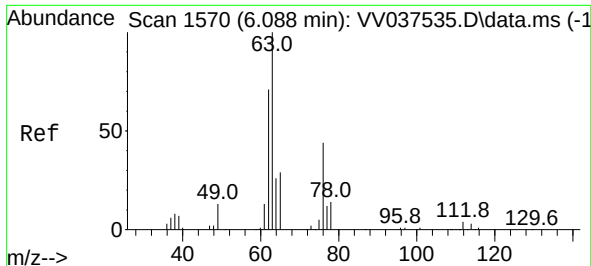
Ion Ratio Lower Upper

83 100

55 81.8 57.9 86.9

98 48.4 39.3 58.9

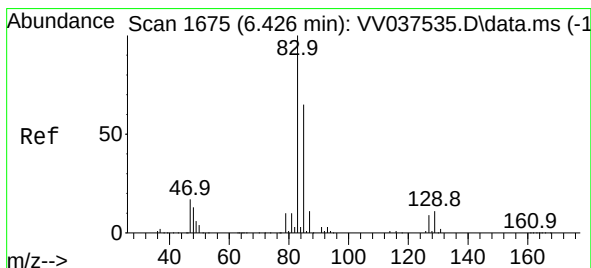
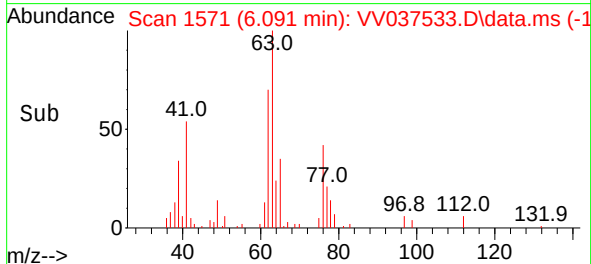
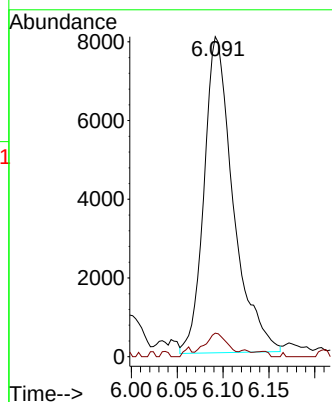
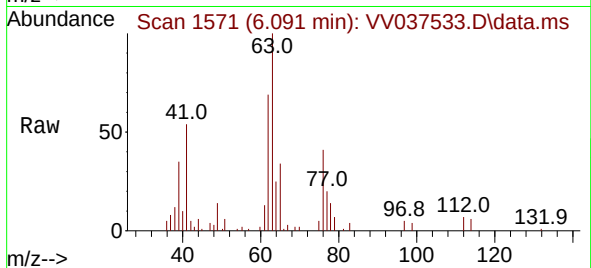




#37
1,2-Dichloropropane
Concen: 3.415 ug/L
RT: 6.091 min Scan# 1571
Delta R.T. 0.003 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

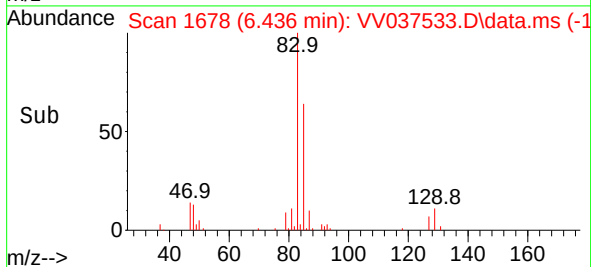
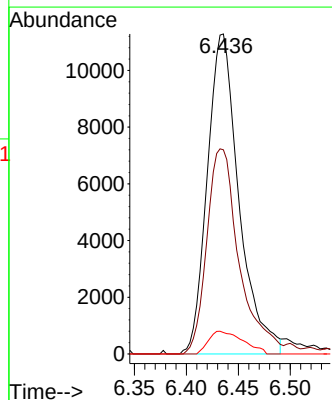
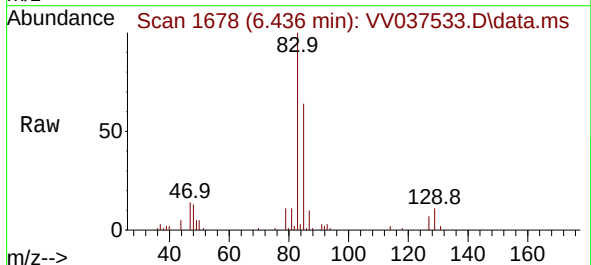
Instrument :
MSVOA_V
ClientSampleId :

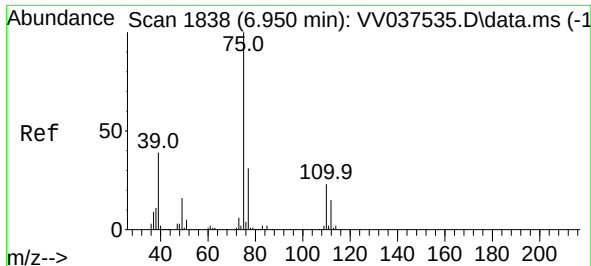
Tgt Ion: 63 Resp: 17766
Ion Ratio Lower Upper
63 100
112 5.6 3.5 5.3#



#38
Bromodichloromethane
Concen: 3.441 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.010 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 83 Resp: 23931
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9
127 6.7 7.0 10.4#

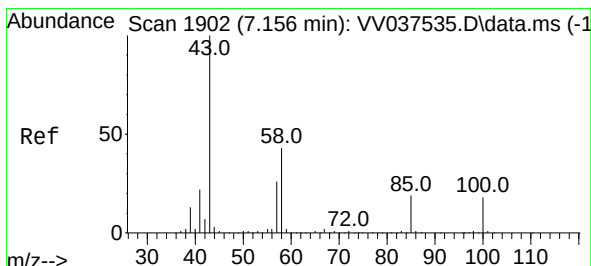
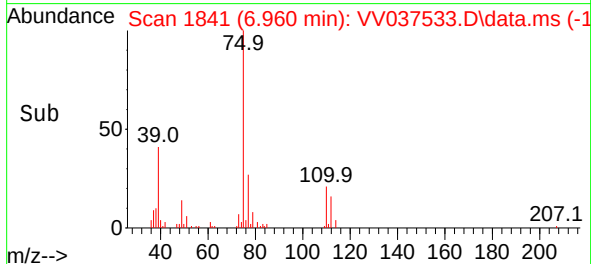
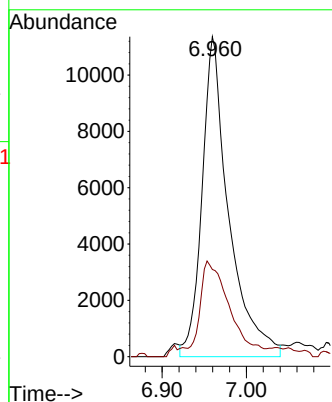
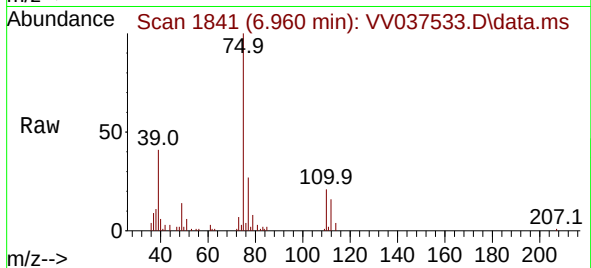




#39
cis-1,3-Dichloropropene
Concen: 3.017 ug/L
RT: 6.960 min Scan# 1838
Delta R.T. 0.010 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

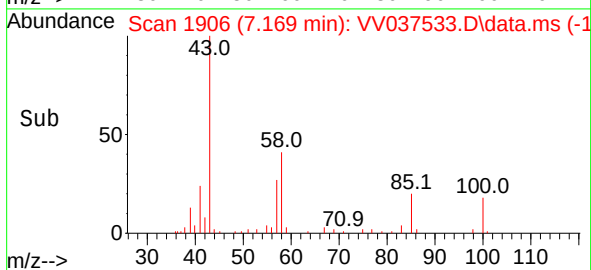
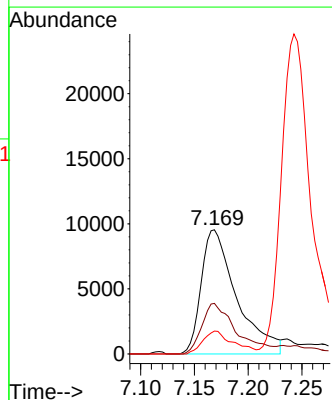
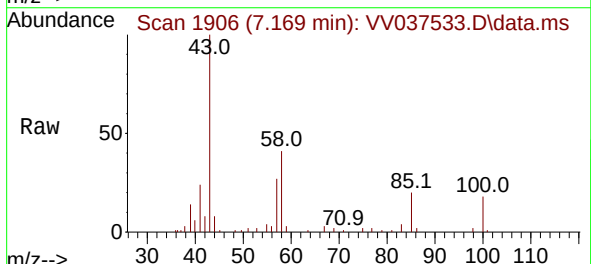
Instrument :
MSVOA_V
ClientSampleId :

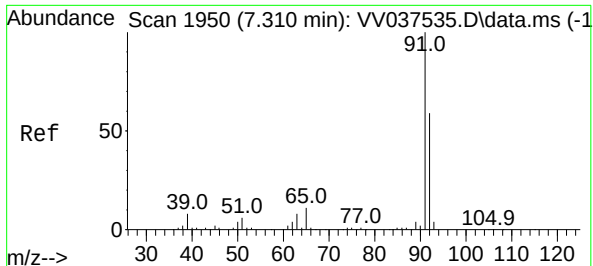
Tgt Ion: 75 Resp: 25053
Ion Ratio Lower Upper
75 100
77 27.3 21.8 40.4



#40
4-Methyl-2-pentanone
Concen: 5.277 ug/L
RT: 7.169 min Scan# 1906
Delta R.T. 0.013 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion: 43 Resp: 21956
Ion Ratio Lower Upper
43 100
58 39.6 33.0 49.4
100 15.8 13.7 20.5





#42

Toluene

Concen: 3.178 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

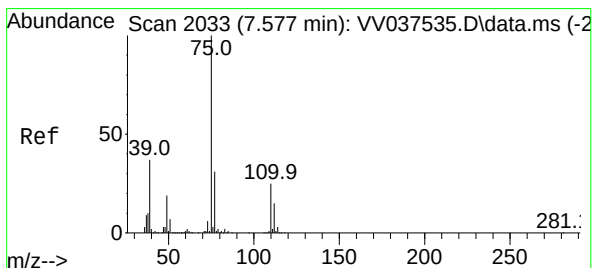
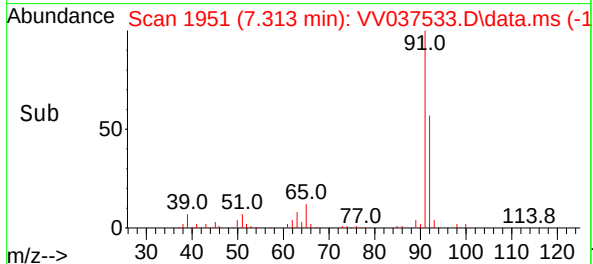
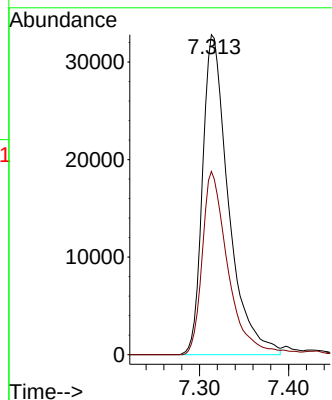
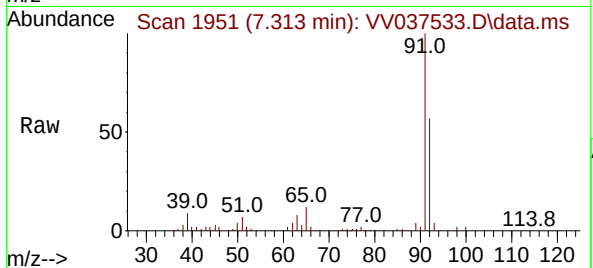
ClientSampleId :

Tgt Ion: 91 Resp: 66382

Ion Ratio Lower Upper

91 100

92 57.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 3.161 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV037533.D

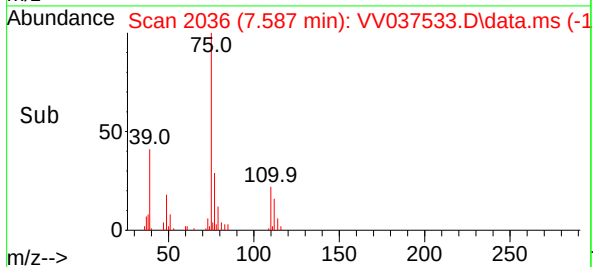
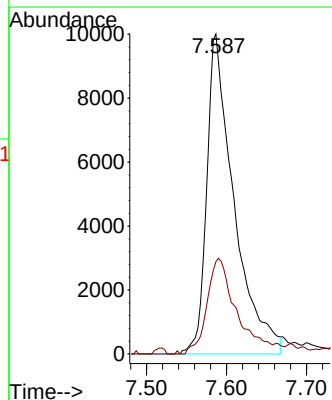
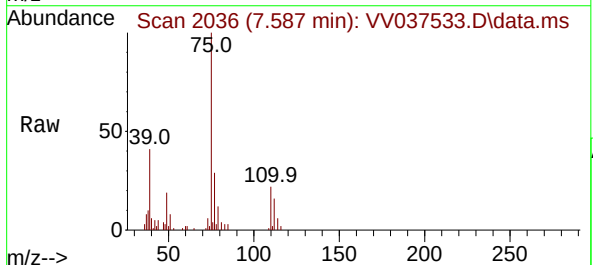
Acq: 26 Sep 2024 08:24

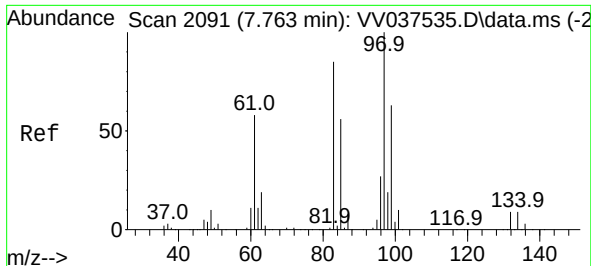
Tgt Ion: 75 Resp: 23636

Ion Ratio Lower Upper

75 100

77 28.8 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 3.361 ug/L

RT: 7.770 min Scan# 2091

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 16789

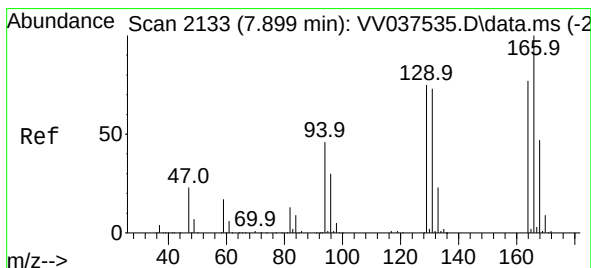
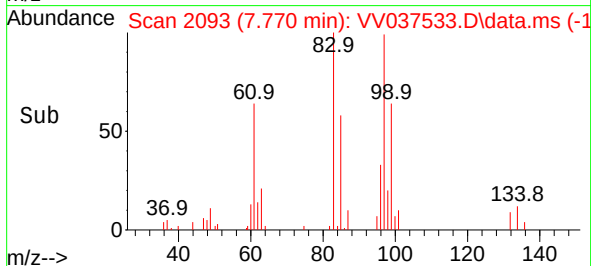
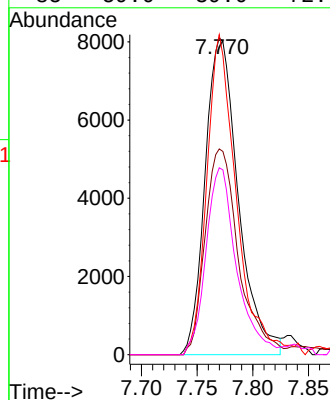
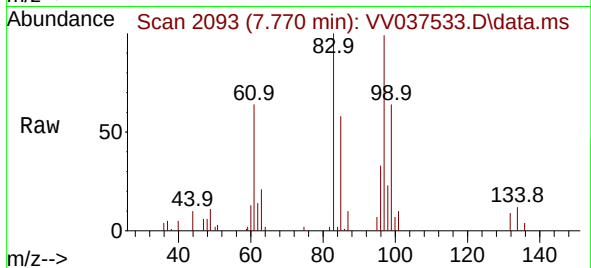
Ion Ratio Lower Upper

97 100

99 64.9 44.1 81.9

83 100.9 59.3 110.1

85 59.0 39.0 72.4



#46

Tetrachloroethene

Concen: 3.617 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Tgt Ion: 164 Resp: 14838

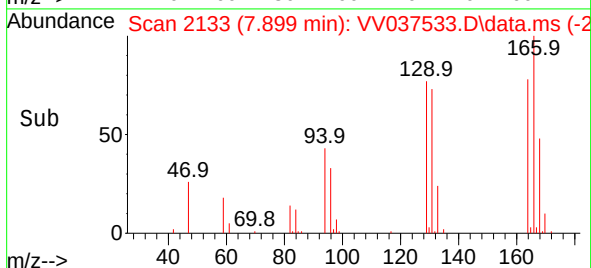
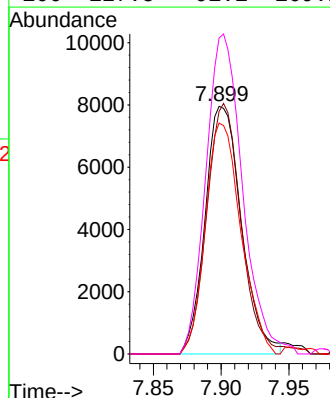
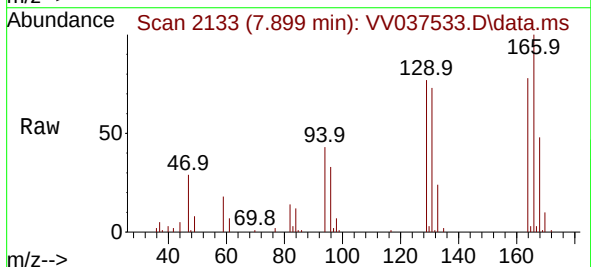
Ion Ratio Lower Upper

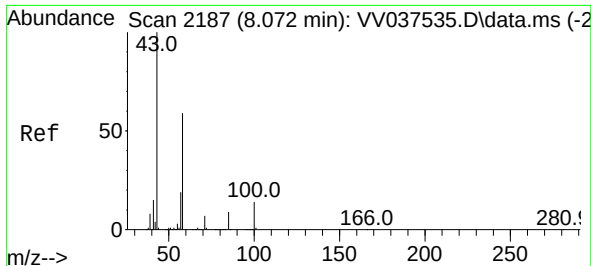
164 100

129 98.0 68.2 126.6

131 93.2 66.1 122.8

166 127.5 91.1 169.1





#48

2-Hexanone

Concen: 5.104 ug/L

RT: 8.088 min Scan# 2187

Delta R.T. 0.016 min

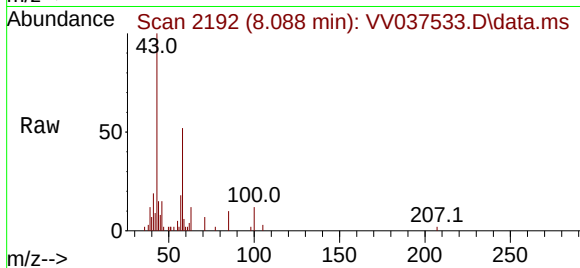
Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 15763

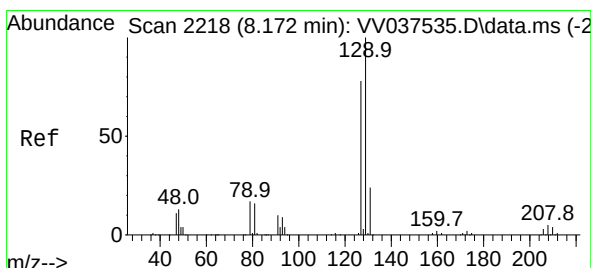
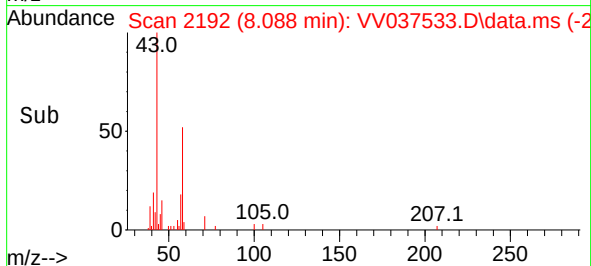
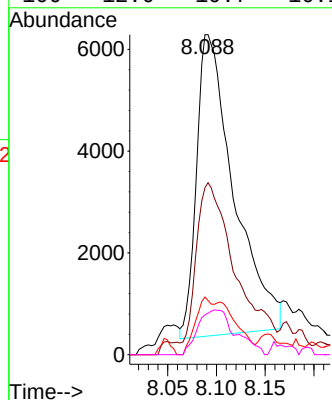
Ion Ratio Lower Upper

43 100

58 50.5 46.5 69.7

57 9.4 15.1 22.7#

100 12.0 10.7 16.1



#49

Dibromochloromethane

Concen: 3.268 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV037533.D

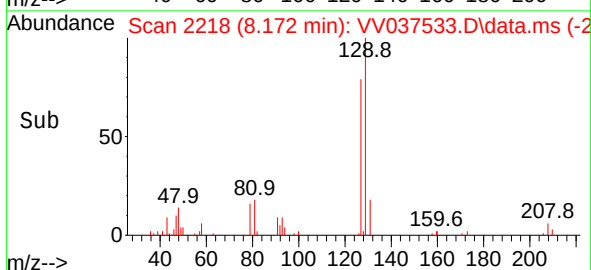
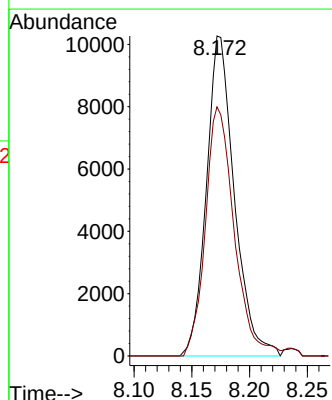
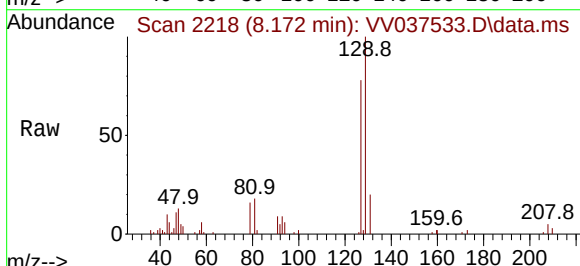
Acq: 26 Sep 2024 08:24

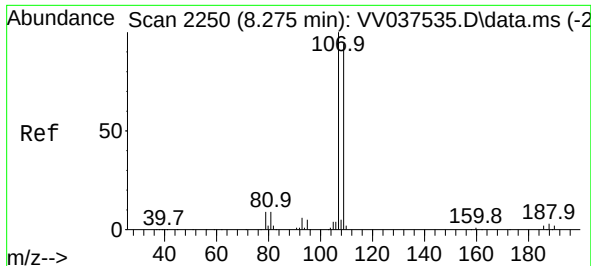
Tgt Ion: 129 Resp: 17275

Ion Ratio Lower Upper

129 100

127 77.9 54.9 101.9





#50

1,2-Dibromoethane

Concen: 3.185 ug/L

RT: 8.284 min Scan# 2417

Delta R.T. 0.010 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

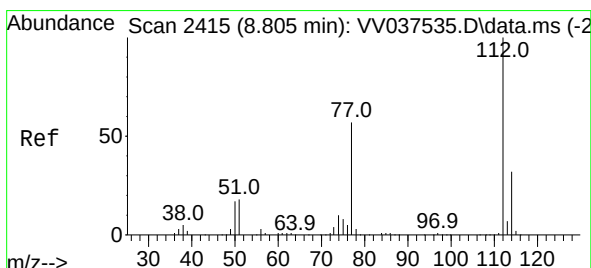
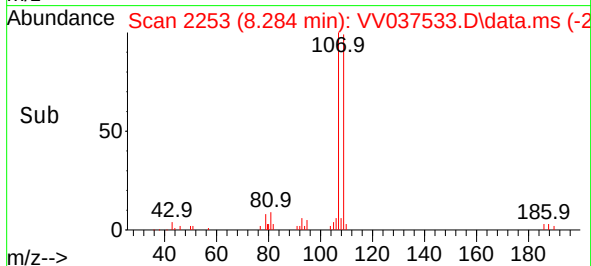
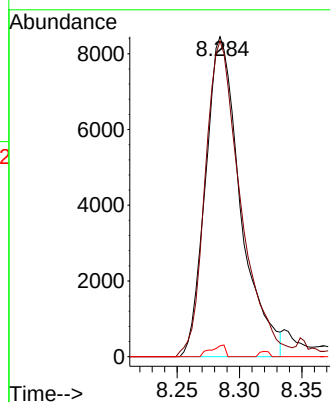
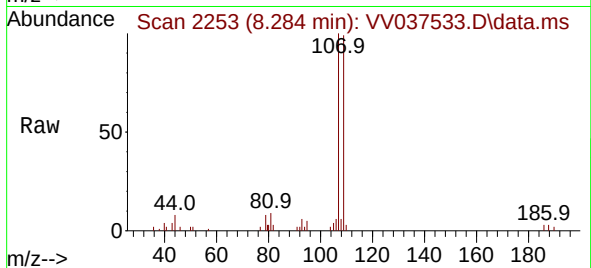
Tgt Ion:107 Resp: 16448

Ion Ratio Lower Upper

107 100

109 98.7 65.7 121.9

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 3.451 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

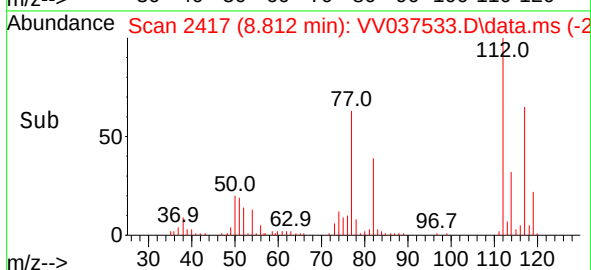
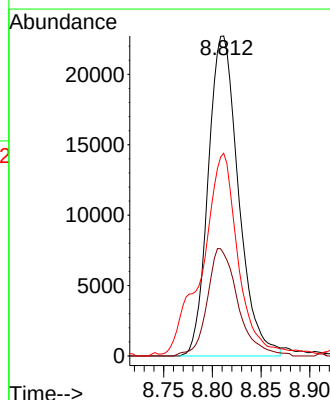
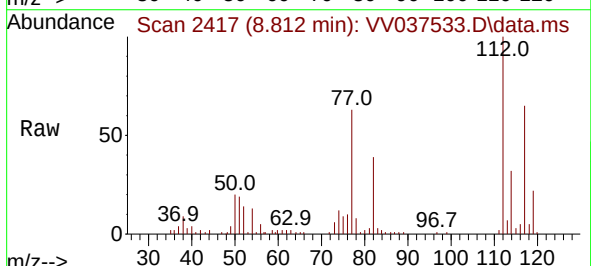
Tgt Ion:112 Resp: 49104

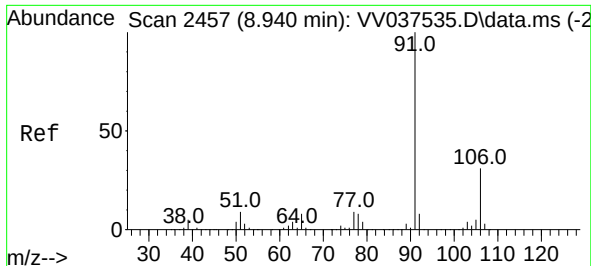
Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

77 63.3 45.8 68.8





#52

Ethylbenzene

Concen: 3.114 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

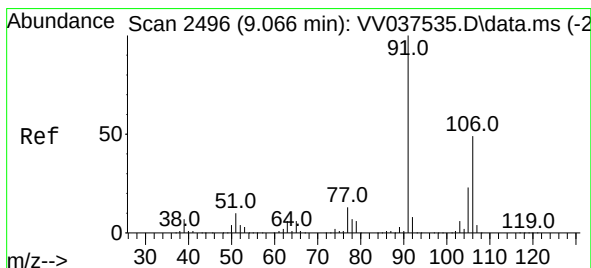
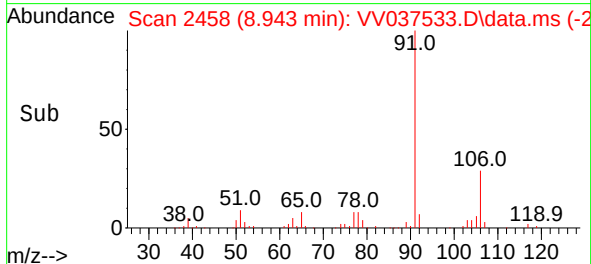
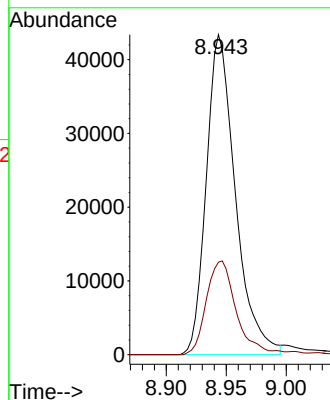
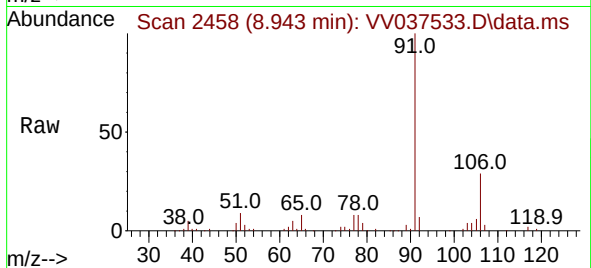
ClientSampleId :

Tgt Ion: 91 Resp: 73217

Ion Ratio Lower Upper

91 100

106 28.9 21.9 40.7



#53

m,p-Xylene

Concen: 3.061 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.006 min

Lab File: VV037533.D

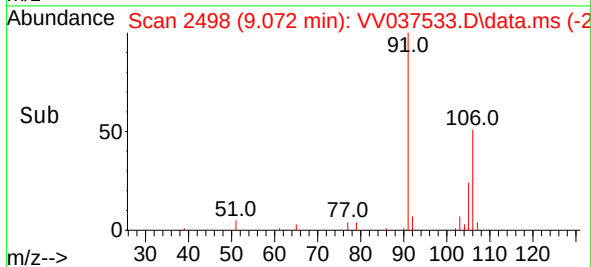
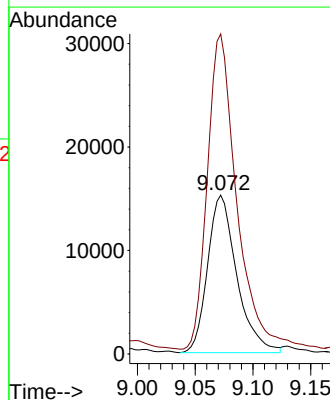
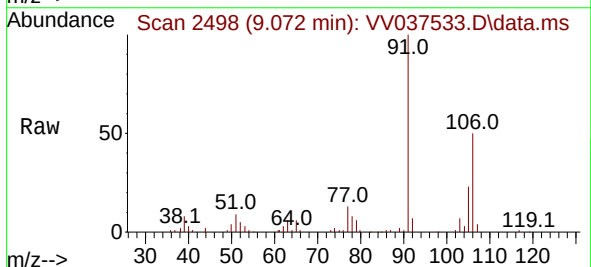
Acq: 26 Sep 2024 08:24

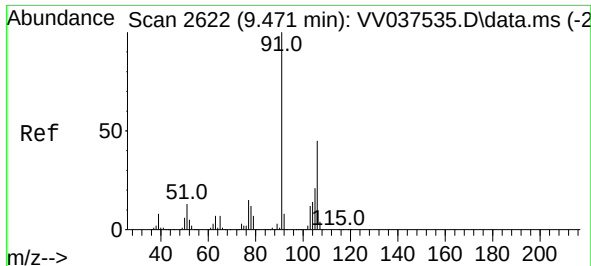
Tgt Ion:106 Resp: 26786

Ion Ratio Lower Upper

106 100

91 201.4 142.0 263.6

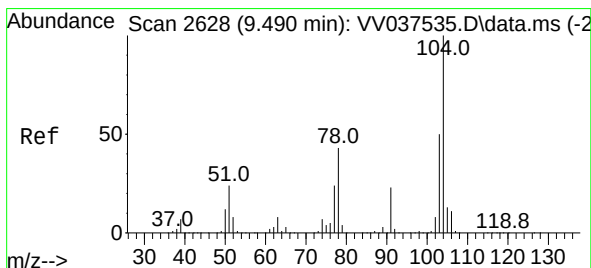
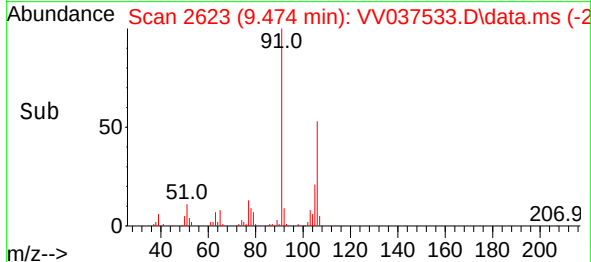
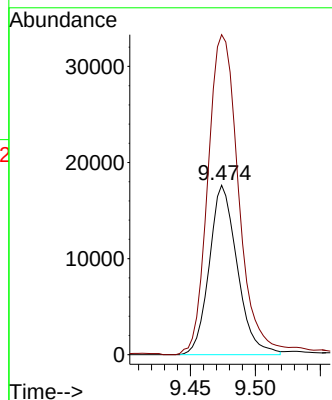
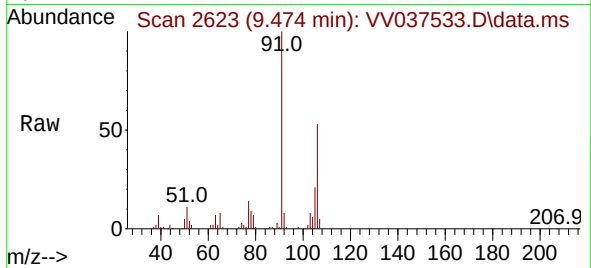




#54
o-Xylene
Concen: 3.087 ug/L
RT: 9.474 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

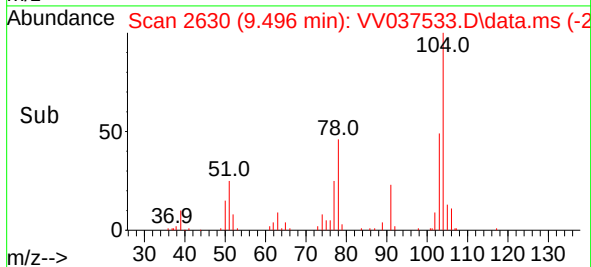
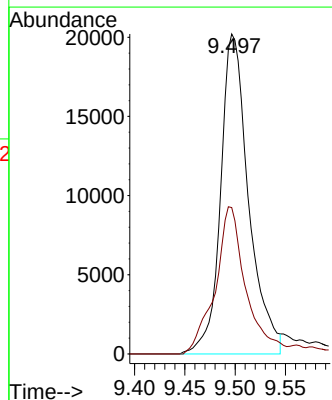
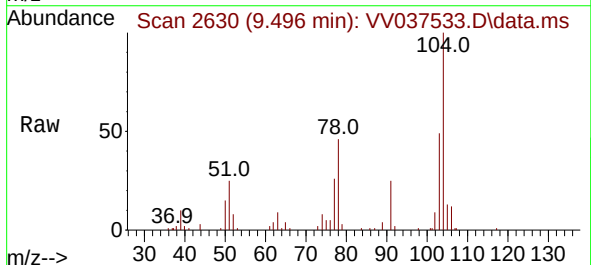
Instrument :
MSVOA_V
ClientSampleId :

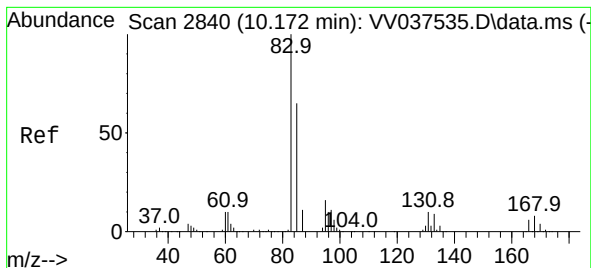
Tgt Ion:106 Resp: 26369
Ion Ratio Lower Upper
106 100
91 188.9 153.9 285.9



#55
Styrene
Concen: 2.638 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. 0.006 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion:104 Resp: 39232
Ion Ratio Lower Upper
104 100
78 45.8 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 3.356 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

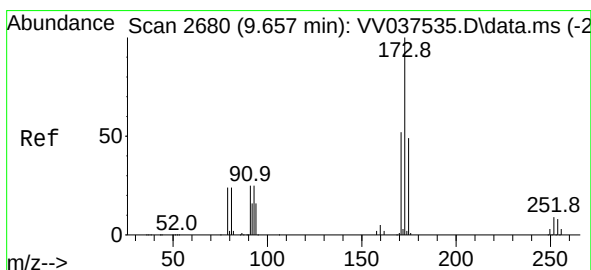
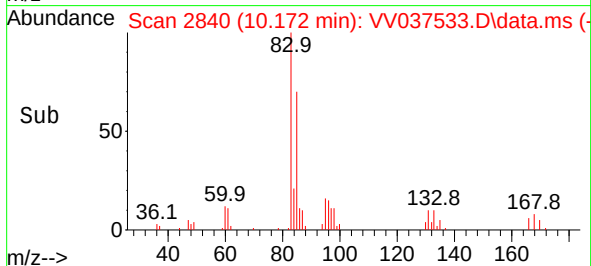
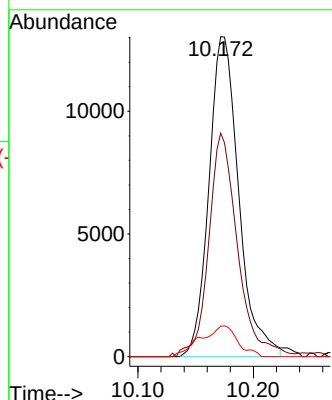
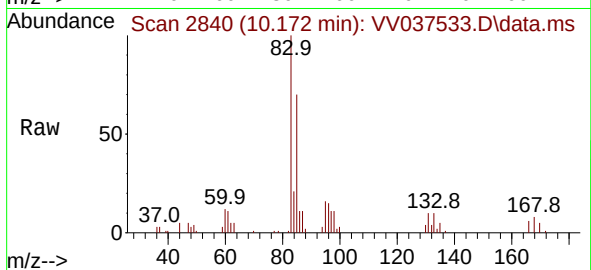
Tgt Ion: 83 Resp: 23372

Ion Ratio Lower Upper

83 100

85 69.8 45.9 85.3

131 9.5 7.9 11.9



#59

Bromoform

Concen: 3.434 ug/L

RT: 9.660 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

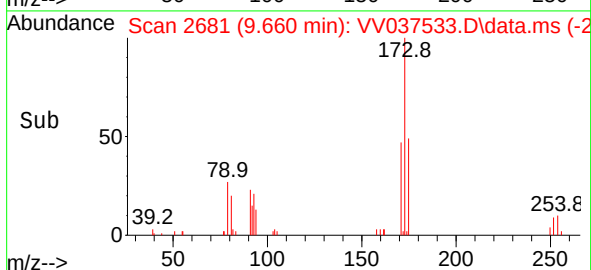
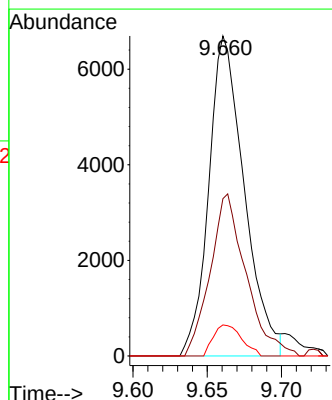
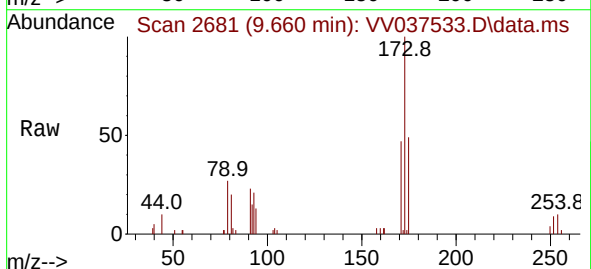
Tgt Ion: 173 Resp: 11116

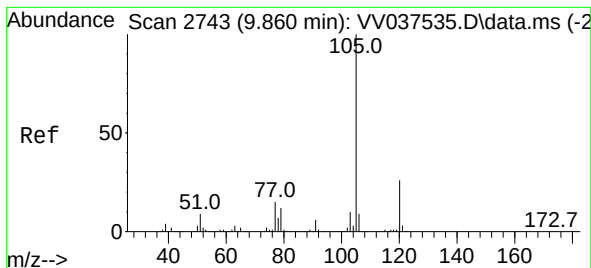
Ion Ratio Lower Upper

173 100

175 51.1 40.0 60.0

254 7.7 6.5 9.7





#60

Isopropylbenzene

Concen: 3.072 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

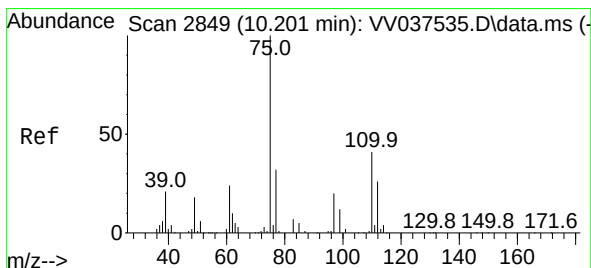
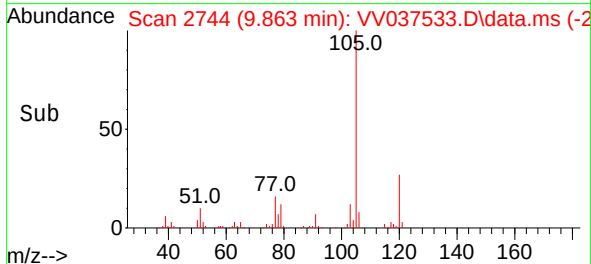
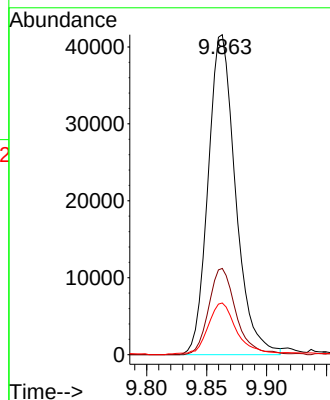
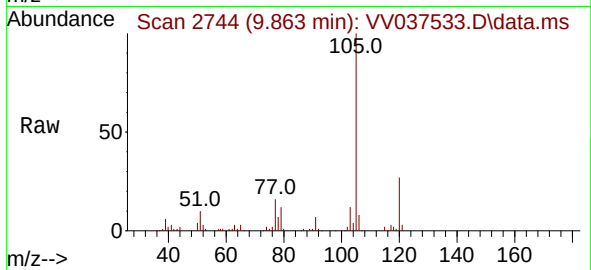
Tgt Ion:105 Resp: 66153

Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

77 15.4 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 3.401 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

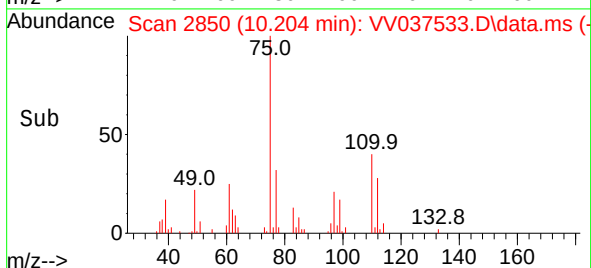
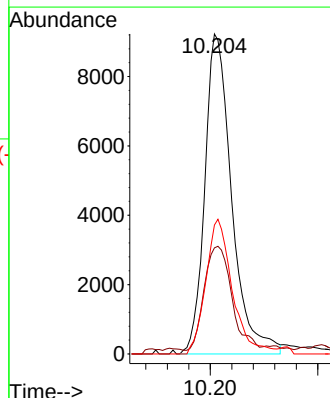
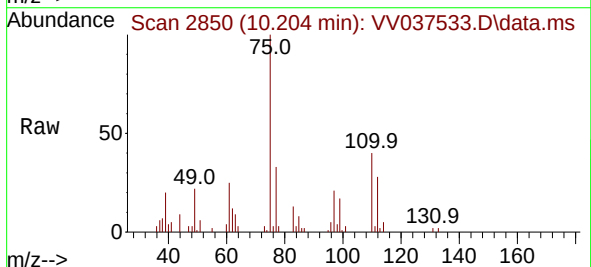
Tgt Ion: 75 Resp: 16030

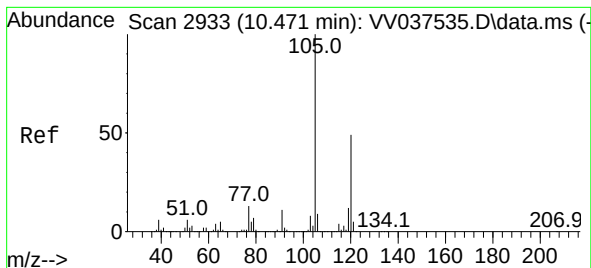
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

110 41.6 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 2.958 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

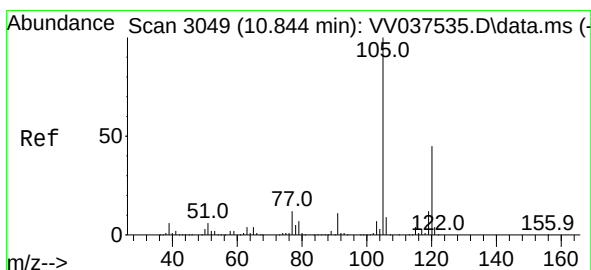
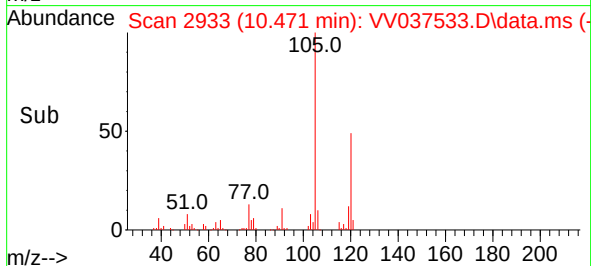
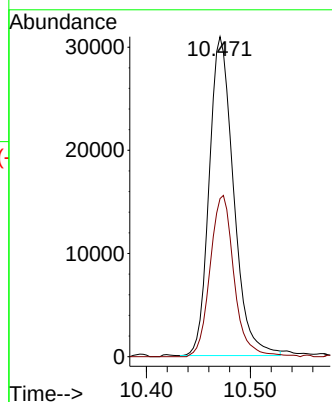
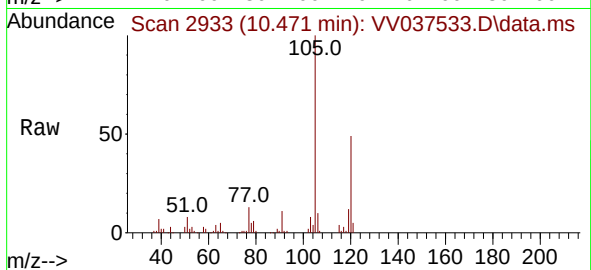
ClientSampleId :

Tgt Ion:105 Resp: 50361

Ion Ratio Lower Upper

105 100

120 49.6 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 2.740 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VV037533.D

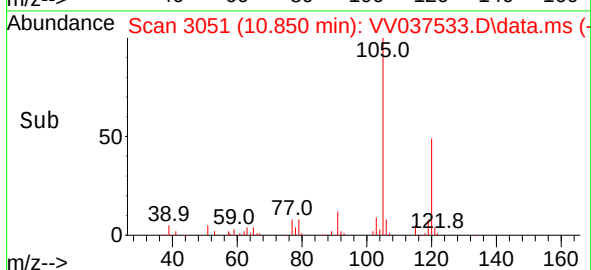
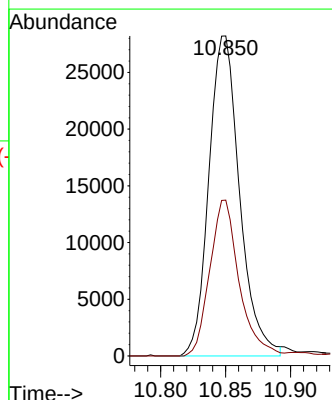
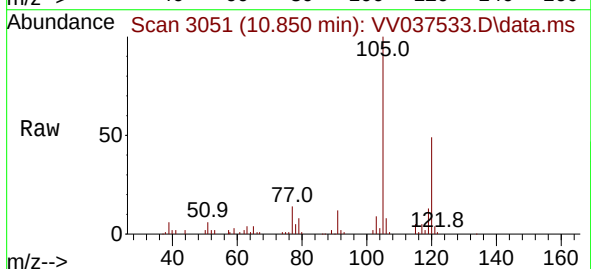
Acq: 26 Sep 2024 08:24

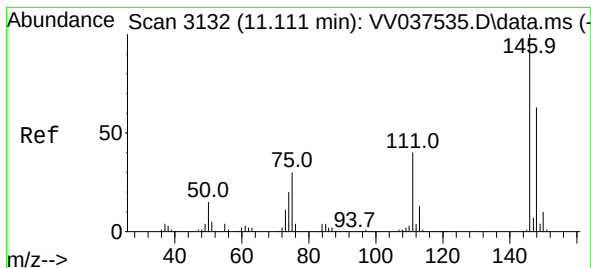
Tgt Ion:105 Resp: 46417

Ion Ratio Lower Upper

105 100

120 46.5 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 3.440 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

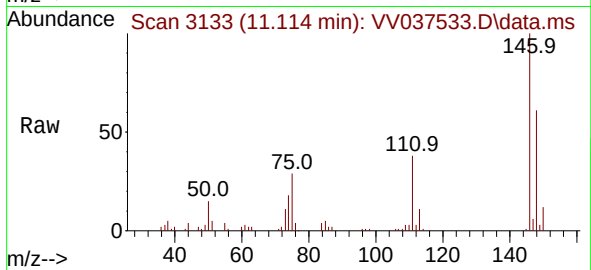
Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :



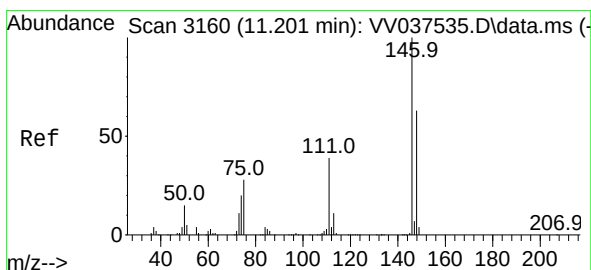
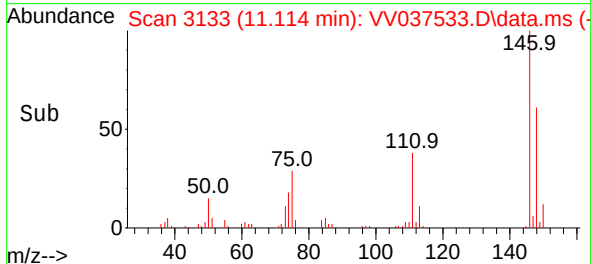
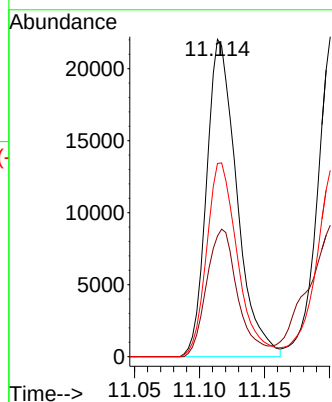
Tgt Ion:146 Resp: 35659

Ion Ratio Lower Upper

146 100

111 38.0 28.3 52.5

148 60.9 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 3.798 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

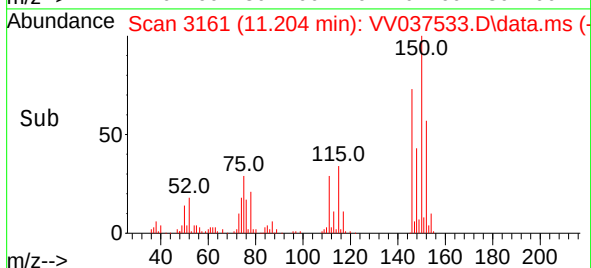
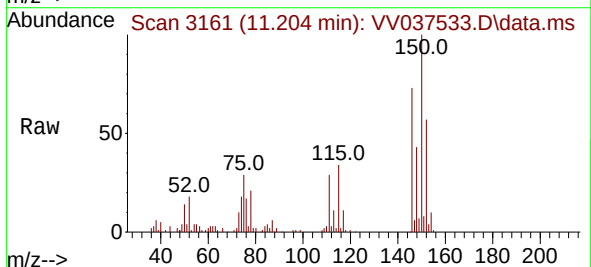
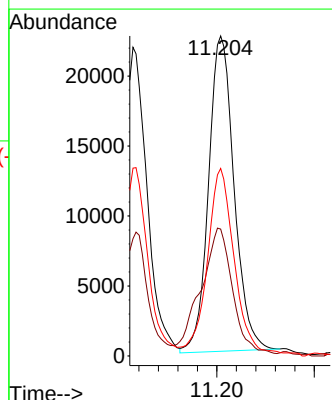
Tgt Ion:146 Resp: 40989

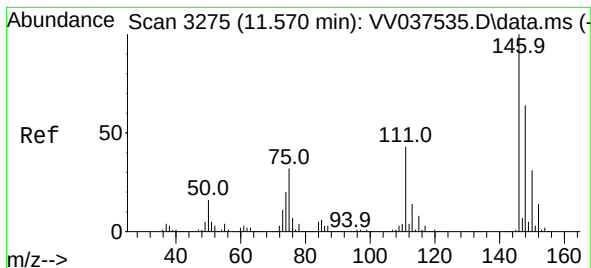
Ion Ratio Lower Upper

146 100

111 39.7 27.6 51.4

148 58.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 3.515 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

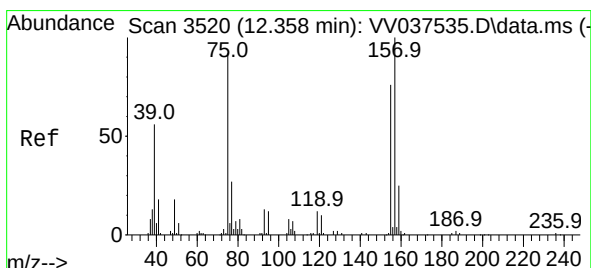
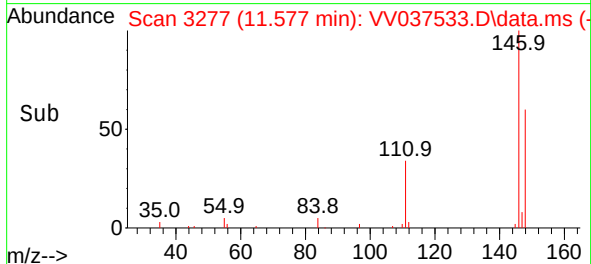
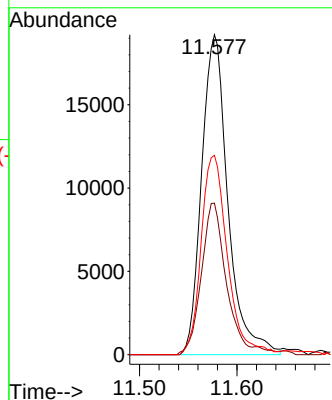
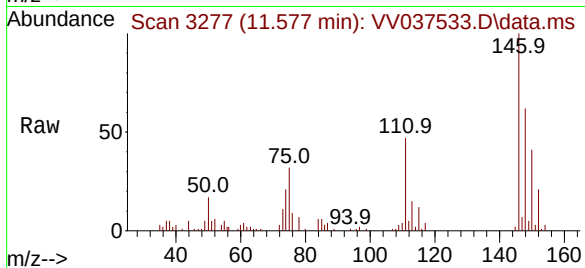
Tgt Ion:146 Resp: 36017

Ion Ratio Lower Upper

146 100

111 47.4 34.2 51.2

148 62.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 3.083 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

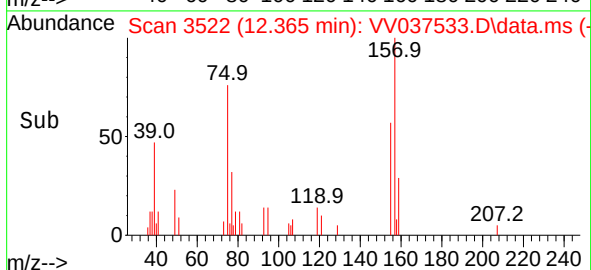
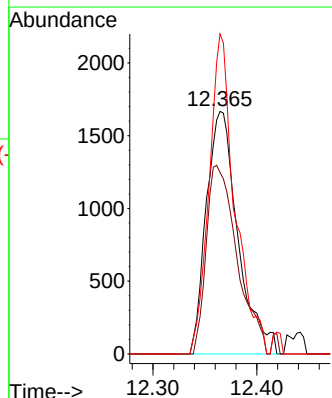
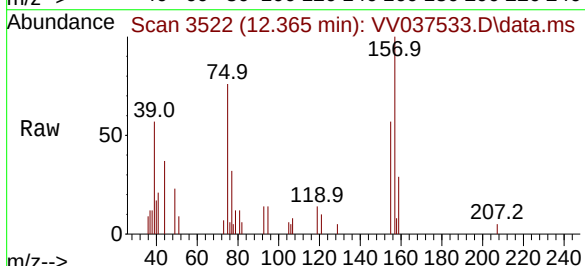
Tgt Ion: 75 Resp: 3527

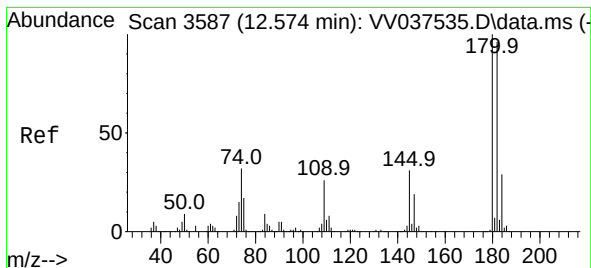
Ion Ratio Lower Upper

75 100

155 74.8 66.2 99.4

157 131.9 87.3 130.9#





#69

1,3,5-Trichlorobenzene

Concen: 3.511 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 25028

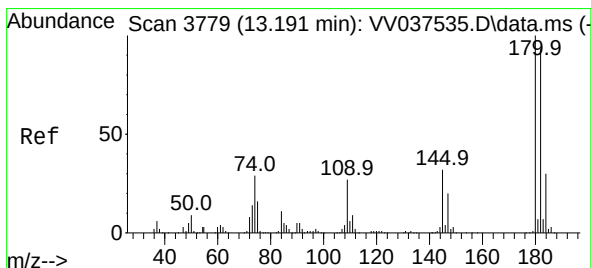
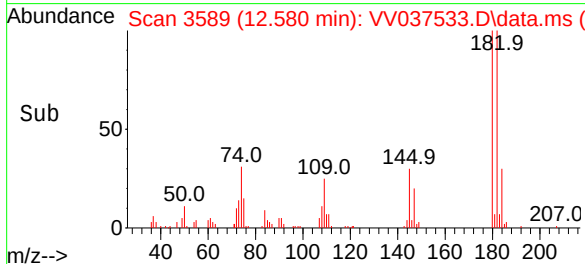
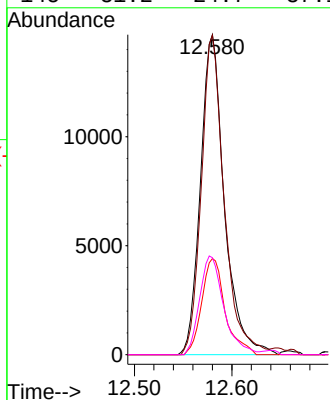
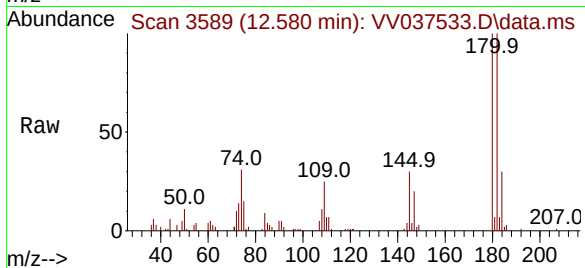
Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

184 29.4 23.8 35.6

145 31.2 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 3.224 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.006 min

Lab File: VV037533.D

Acq: 26 Sep 2024 08:24

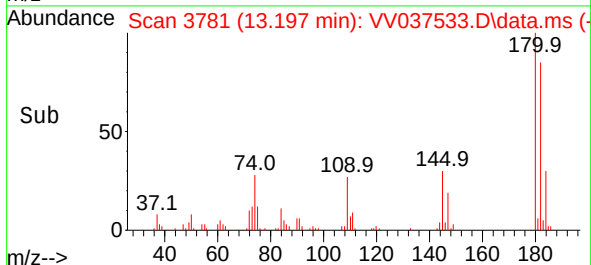
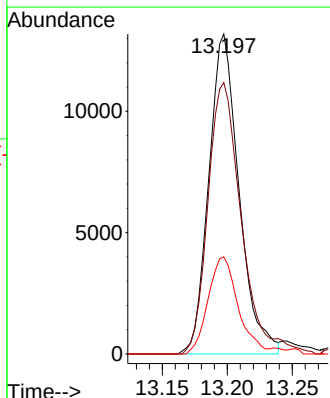
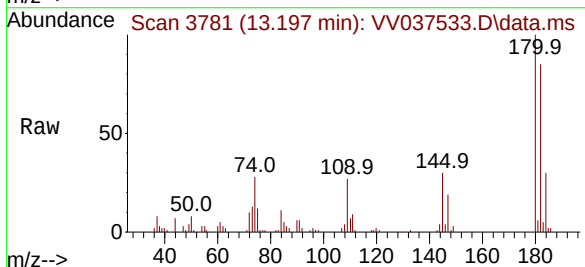
Tgt Ion:180 Resp: 21322

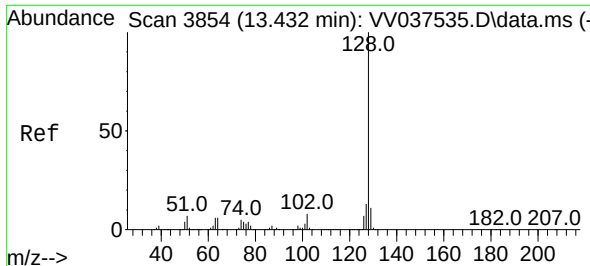
Ion Ratio Lower Upper

180 100

182 90.6 75.9 113.9

145 29.9 25.4 38.2

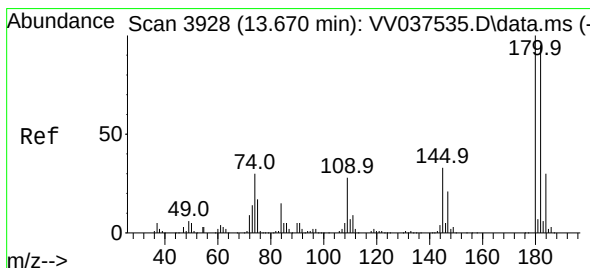
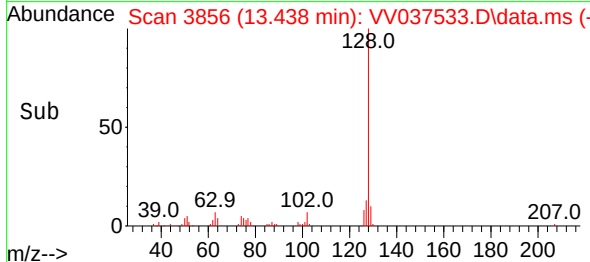
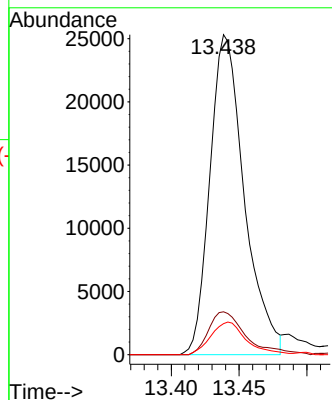
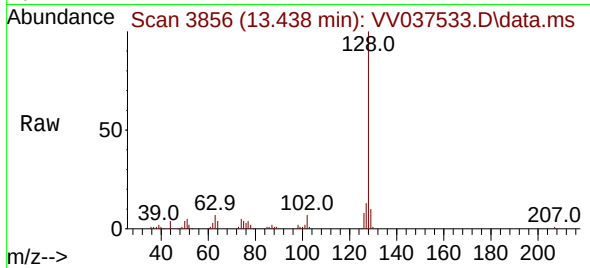




#71
Naphthalene
Concen: 2.585 ug/L
RT: 13.438 min Scan# 3854
Delta R.T. 0.006 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128	Resp:	44671
Ion Ratio	Lower	Upper
128	100	
127	14.6	10.2 15.4
129	10.5	8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 3.140 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.006 min
Lab File: VV037533.D
Acq: 26 Sep 2024 08:24

Tgt Ion:180	Resp:	20508
Ion Ratio	Lower	Upper
180	100	
182	97.1	75.8 113.8
145	32.0	26.2 39.4

