

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037537.D
 Acq On : 26 Sep 2024 09:50
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:16:27 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	5.529	114	698870	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	680493	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	374950	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	1319892	215.143	ug/L	0.00
7) Chloroethane-d5	1.529	69	1012609	212.642	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	551345	215.106	ug/L	0.00
21) 2-Butanone-d5	3.786	46	983545	460.210	ug/L	0.00
24) Chloroform-d	4.240	84	2321489	212.691	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	1339215	209.621	ug/L	0.00
32) Benzene-d6	4.953	84	4530083	212.740	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	1436377	204.963	ug/L	0.00
41) Toluene-d8	7.236	98	4223171	218.718	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	726601	230.676	ug/L	0.00
47) 2-Hexanone-d5	8.018	63	715621	519.969	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	1651861	209.664	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	1663832	210.586	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	1213591	203.981	ug/L	100
3) Chloromethane	1.217	50	1177787	203.909	ug/L	99
5) Vinyl chloride	1.285	62	1274428	205.807	ug/L	100
6) Bromomethane	1.481	94	734044	213.604	ug/L	99
8) Chloroethane	1.545	64	776873	203.546	ug/L	100
9) Trichlorofluoromethane	1.712	101	1700905	204.060	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	1002939	201.358	ug/L	99
12) 1,1-Dichloroethene	2.069	96	956973	205.680	ug/L	88
13) Acetone	2.111	43	803743	375.209	ug/L	100
14) Carbon disulfide	2.240	76	2954378	203.425	ug/L	100
15) Methyl Acetate	2.368	43	768760	205.645	ug/L	99
16) Methylene chloride	2.442	84	1049266	199.172	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	1008150	204.819	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	2970365	210.341	ug/L	100
19) 1,1-Dichloroethane	3.105	63	1904489	201.946	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	1197837	217.467	ug/L	99
22) 2-Butanone	3.867	43	1009980	438.553	ug/L	100
23) Bromochloromethane	4.137	128	587430	206.170	ug/L	99
25) Chloroform	4.269	83	1978398	202.619	ug/L	100
27) 1,2-Dichloroethane	5.034	62	1445484	209.702	ug/L	99
29) Cyclohexane	4.574	56	1656345	214.377	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	1726387	205.984	ug/L	99
31) Carbon tetrachloride	4.725	117	1505468	206.606	ug/L	100
33) Benzene	5.002	78	4241760	206.684	ug/L	100
34) Trichloroethene	5.825	95	1145105	209.516	ug/L	98
35) Methylcyclohexane	6.043	83	1799121	213.978	ug/L	100
37) 1,2-Dichloropropane	6.085	63	1119302	211.200	ug/L	99
38) Bromodichloromethane	6.426	83	1502616	212.101	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	1925407	227.599	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	1939991	457.669	ug/L	98
42) Toluene	7.307	91	4558879	214.274	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	1756554	230.632	ug/L	99

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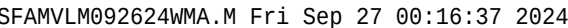
Instrument :
 MSVOA_V
 ClientSampleId :

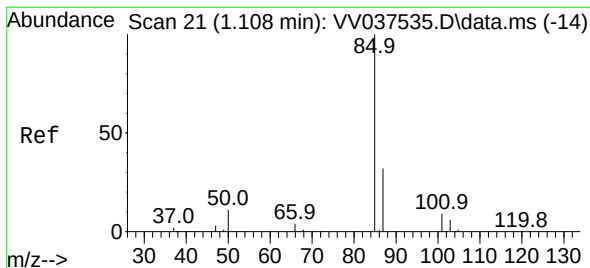
Quant Time: Sep 27 00:16:27 2024
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.760	97	1058743	208.058	ug/L	99
46) Tetrachloroethene	7.899	164	861496	206.161	ug/L	98
48) 2-Hexanone	8.069	43	1446076	459.670	ug/L	97
49) Dibromochloromethane	8.169	129	1163028	215.946	ug/L	98
50) 1,2-Dibromoethane	8.275	107	1106329	210.322	ug/L	99
51) Chlorobenzene	8.805	112	2998589	206.867	ug/L	99
52) Ethylbenzene	8.940	91	5196281	216.970	ug/L	100
53) m,p-Xylene	9.066	106	1996491	223.993	ug/L	100
54) o-Xylene	9.471	106	1957692	224.975	ug/L	96
55) Styrene	9.487	104	3430339	226.446	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	1488754	209.840	ug/L	98
59) Bromoform	9.657	173	799321	218.116	ug/L	98
60) Isopropylbenzene	9.860	105	5217686	214.041	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	1069294	200.416	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	4400659	228.337	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	4411127	230.038	ug/L	99
64) 1,3-Dichlorobenzene	11.108	146	2460786	209.724	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	2513217	205.700	ug/L	100
67) 1,2-Dichlorobenzene	11.571	146	2397946	206.733	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	284236	219.464	ug/L	99
69) 1,3,5-Trichlorobenzene	12.574	180	1760707	218.210	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	1689333	225.657	ug/L	100
71) Naphthalene	13.429	128	4585094	234.422	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	1617206	218.752	ug/L	99

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

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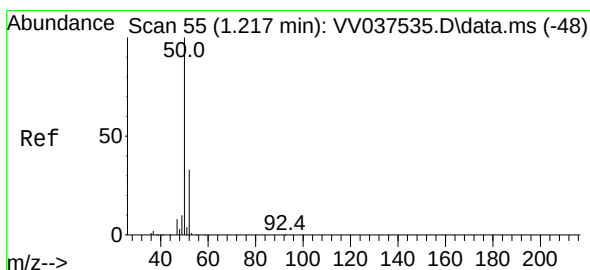
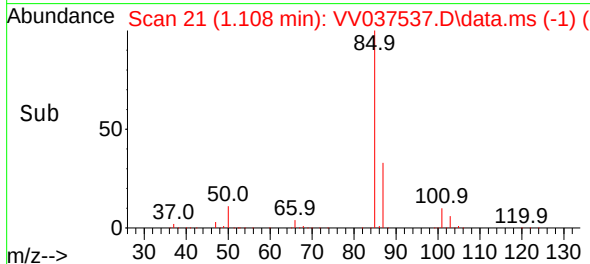
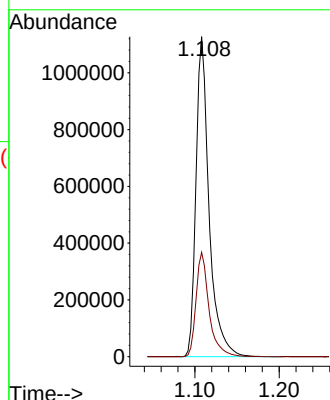
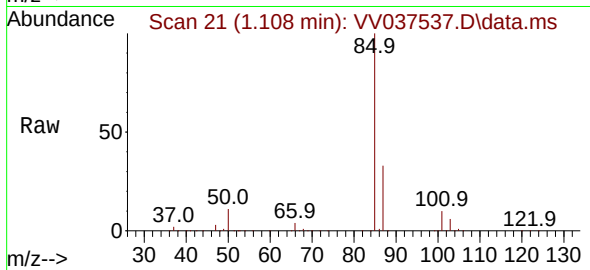




#2
 Dichlorodifluoromethane
 Concen: 203.981 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037537.D
 Acq: 26 Sep 2024 09:50

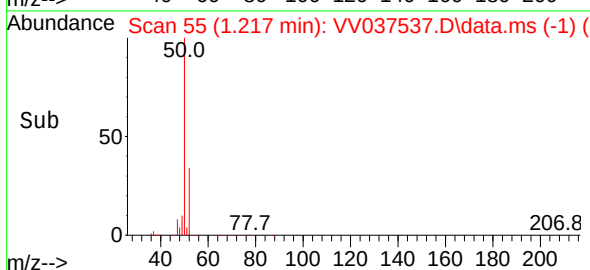
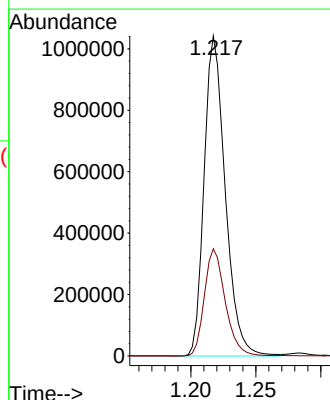
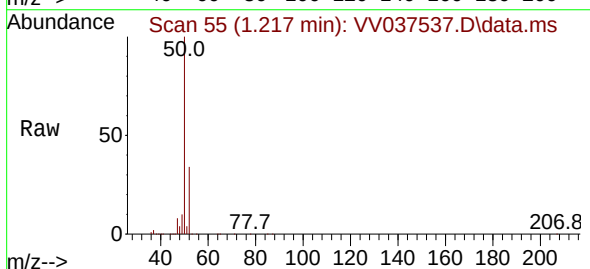
Instrument :
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 ClientSampleId :

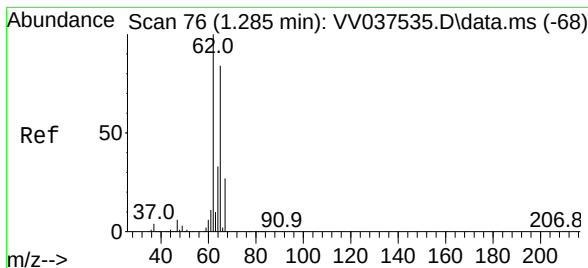
Tgt Ion: 85 Resp: 1213591
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.8



#3
 Chloromethane
 Concen: 203.909 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037537.D
 Acq: 26 Sep 2024 09:50

Tgt Ion: 50 Resp: 1177787
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.2 43.2





#5

Vinyl chloride

Concen: 205.807 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

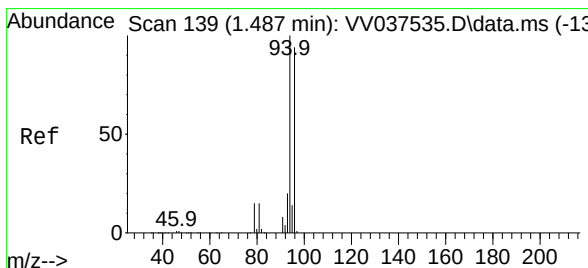
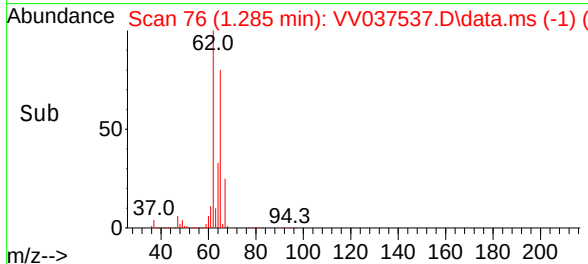
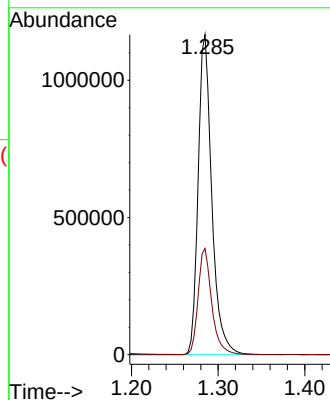
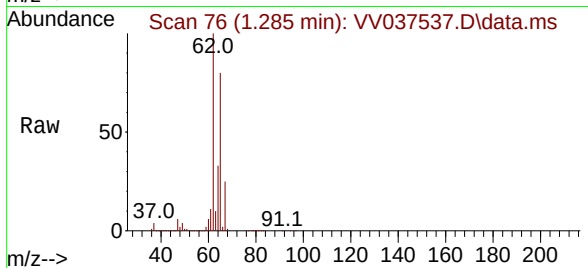
ClientSampleId :

Tgt Ion: 62 Resp: 1274428

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.0



#6

Bromomethane

Concen: 213.604 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.006 min

Lab File: VV037537.D

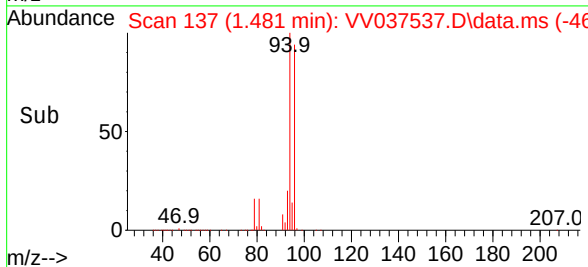
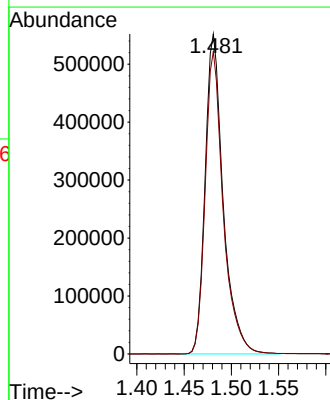
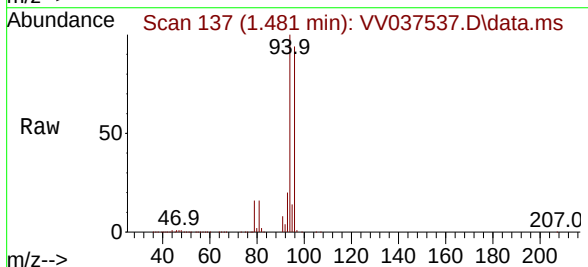
Acq: 26 Sep 2024 09:50

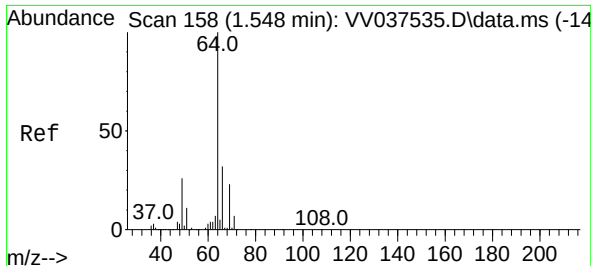
Tgt Ion: 94 Resp: 734044

Ion Ratio Lower Upper

94 100

96 94.5 65.8 122.2

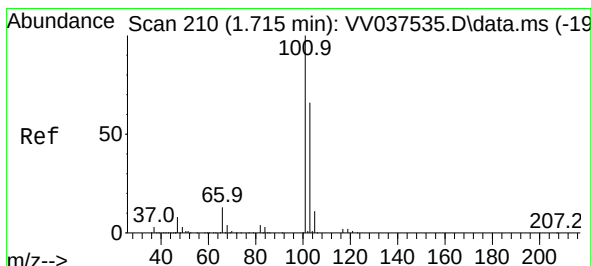
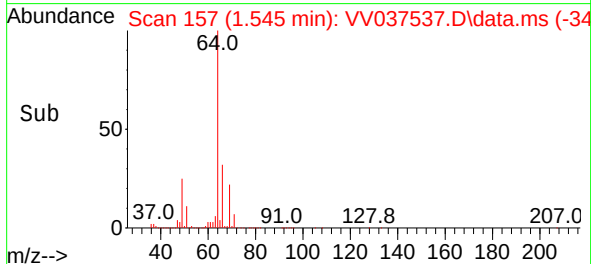
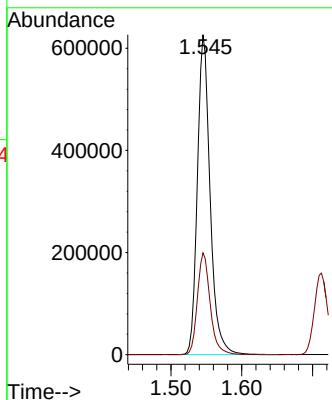
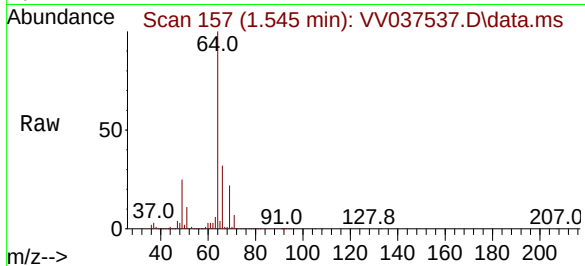




#8
Chloroethane
Concen: 203.546 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

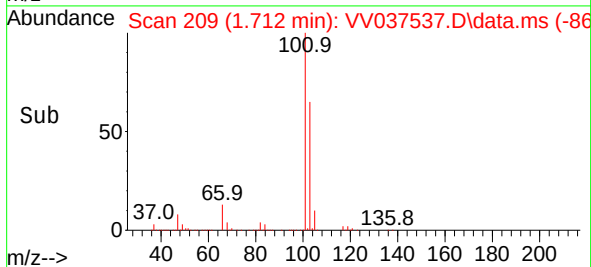
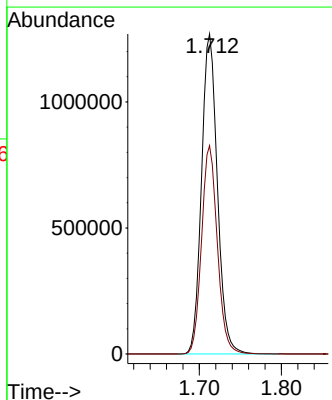
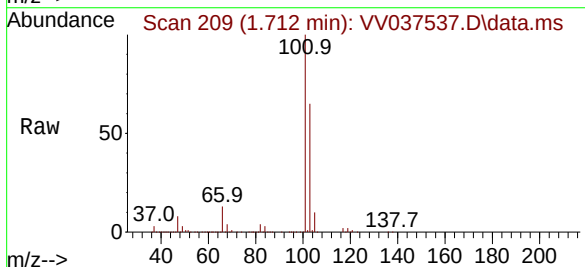
Instrument :
MSVOA_V
ClientSampleId :

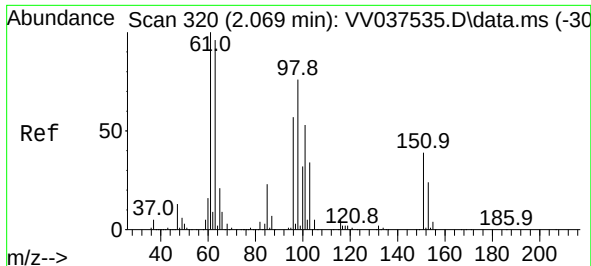
Tgt Ion: 64 Resp: 776873
Ion Ratio Lower Upper
64 100
66 31.8 22.2 41.2



#9
Trichlorofluoromethane
Concen: 204.060 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion:101 Resp: 1700905
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4

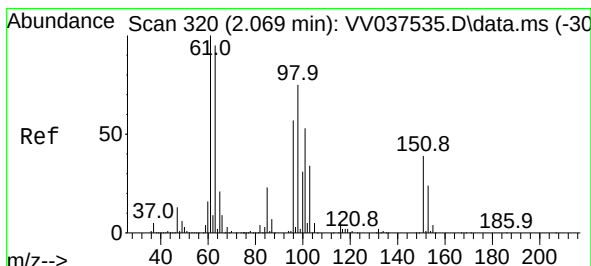
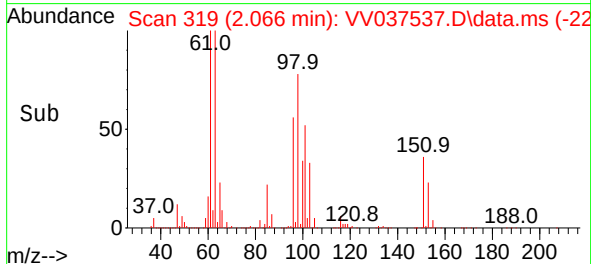
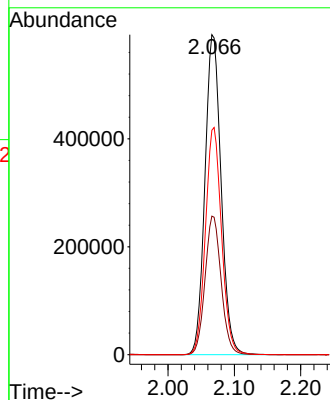
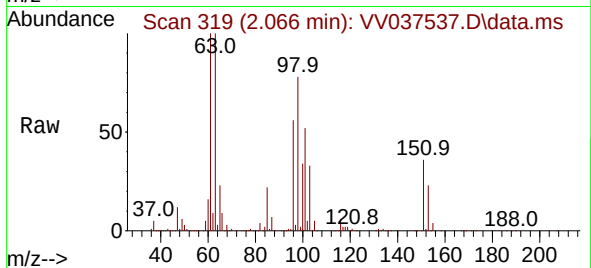




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 201.358 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV037537.D
 Acq: 26 Sep 2024 09:50

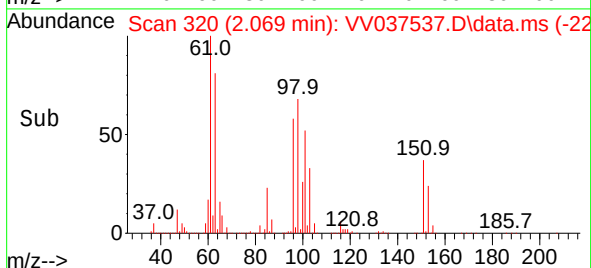
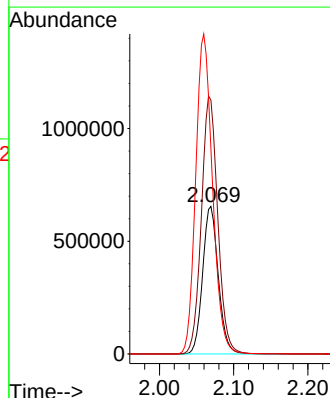
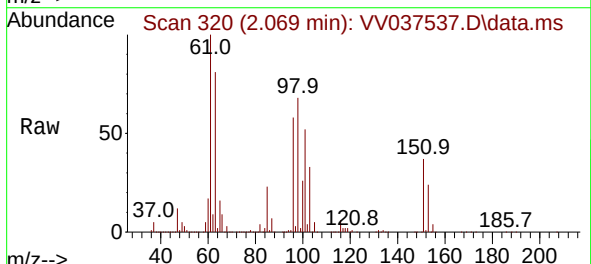
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 ClientSampleId :

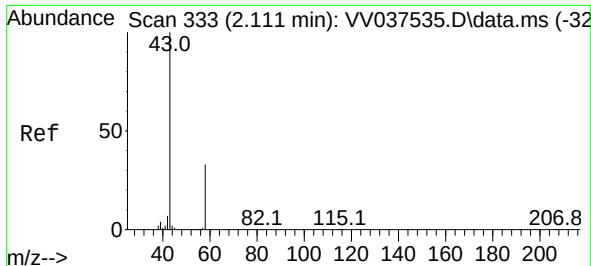
Tgt Ion:101 Resp: 1002939
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.6 52.0
 151 70.9 57.5 86.3



#12
 1,1-Dichloroethene
 Concen: 205.680 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV037537.D
 Acq: 26 Sep 2024 09:50

Tgt Ion: 96 Resp: 956973
 Ion Ratio Lower Upper
 96 100
 61 172.0 122.6 227.6
 63 139.1 118.0 219.2





#13

Acetone

Concen: 375.209 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

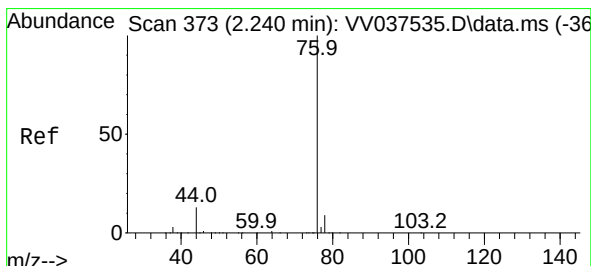
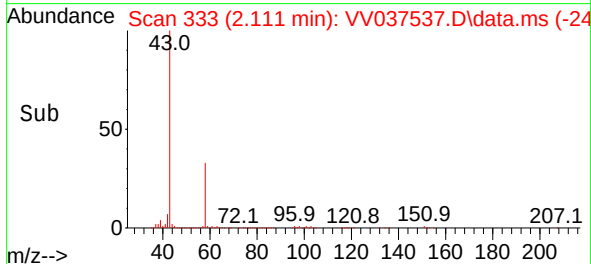
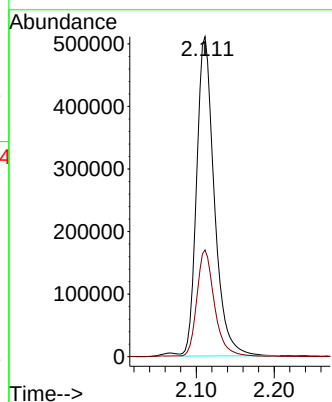
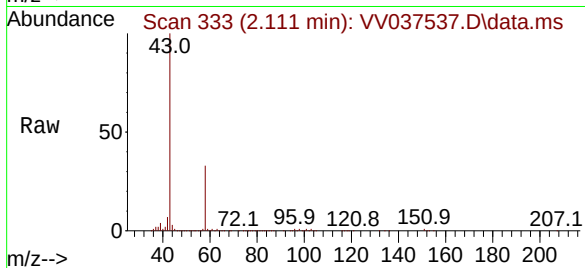
ClientSampleId :

Tgt Ion: 43 Resp: 803743

Ion Ratio Lower Upper

43 100

58 33.5 0.0 66.6



#14

Carbon disulfide

Concen: 203.425 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV037537.D

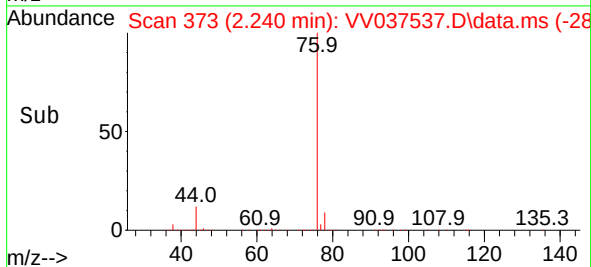
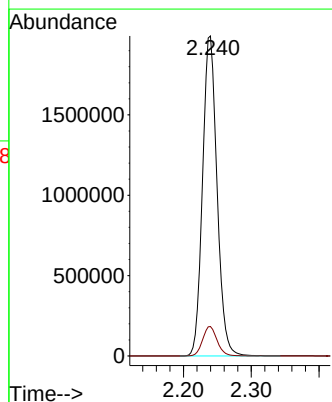
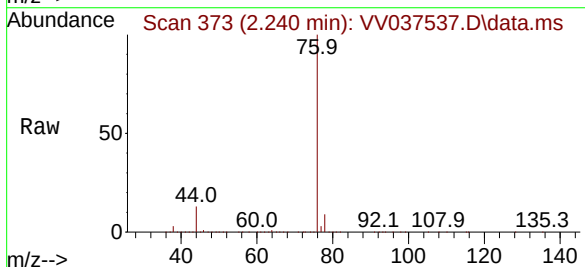
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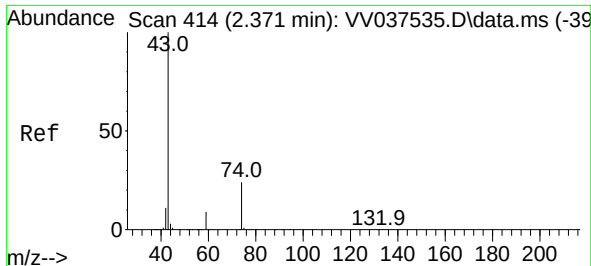
Tgt Ion: 76 Resp: 2954378

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 205.645 ug/L

RT: 2.368 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

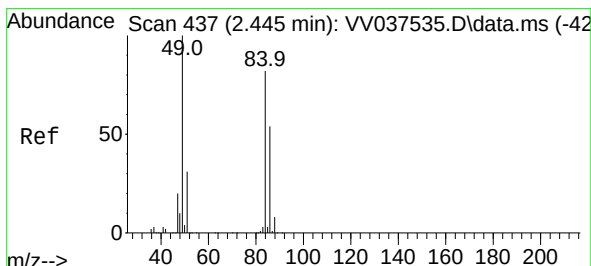
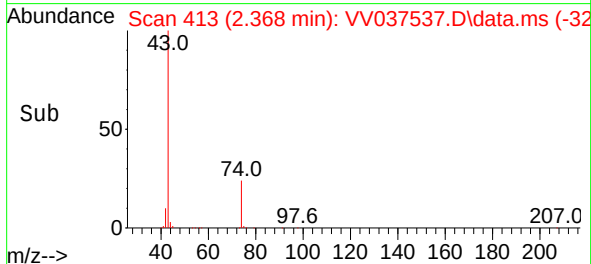
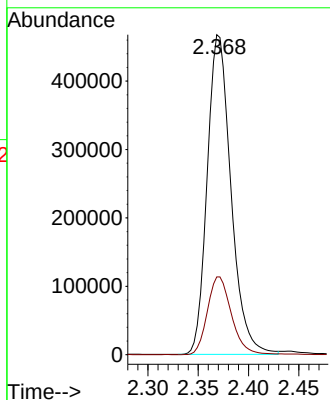
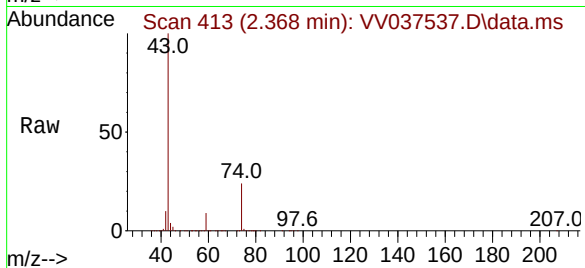
ClientSampleId :

Tgt Ion: 43 Resp: 768760

Ion Ratio Lower Upper

43 100

74 24.8 19.4 29.0



#16

Methylene chloride

Concen: 199.172 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

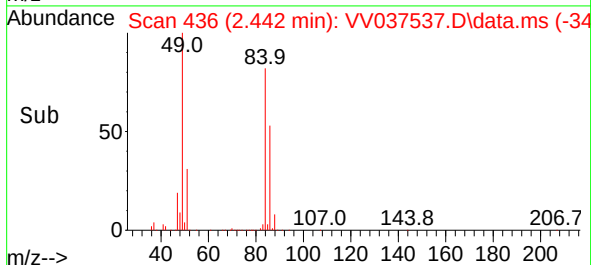
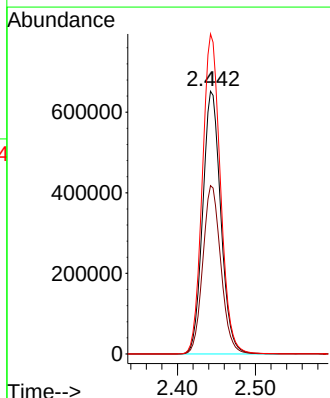
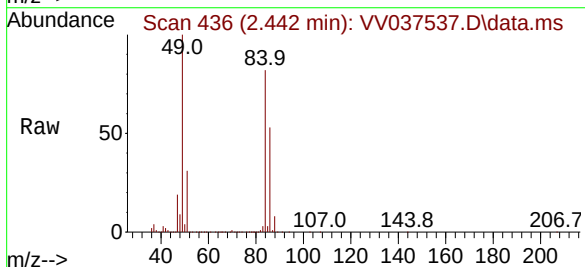
Tgt Ion: 84 Resp: 1049266

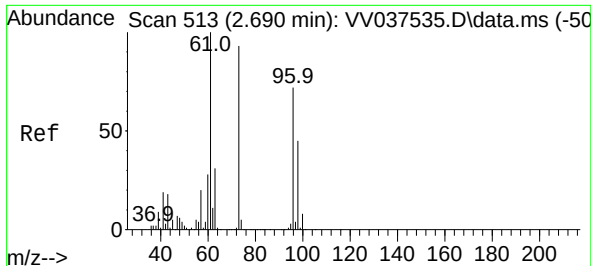
Ion Ratio Lower Upper

84 100

86 64.1 46.4 86.2

49 121.8 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 204.819 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :

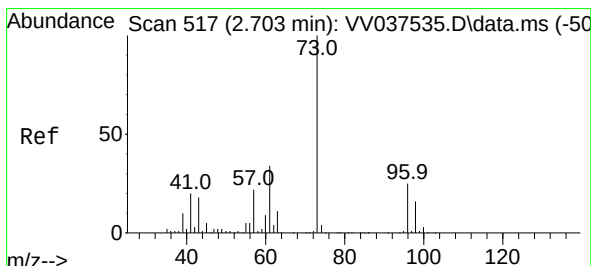
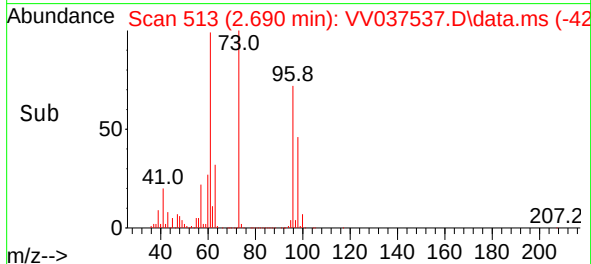
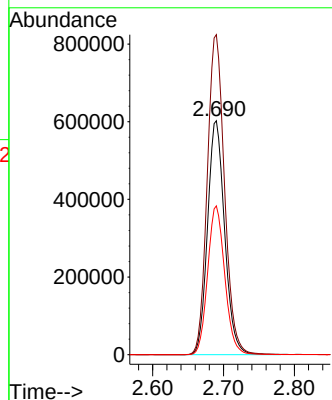
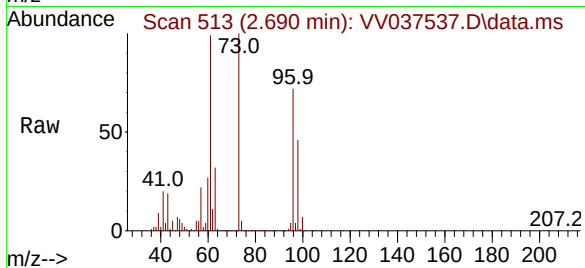
Tgt Ion: 96 Resp: 1008150

Ion Ratio Lower Upper

96 100

61 136.8 97.3 180.7

98 63.6 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 210.341 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

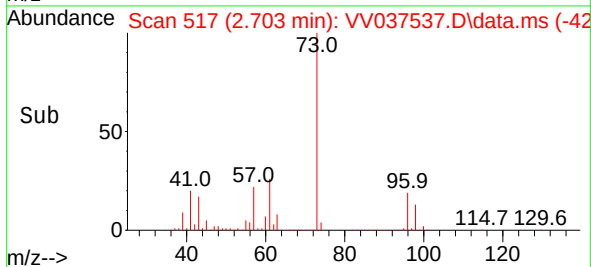
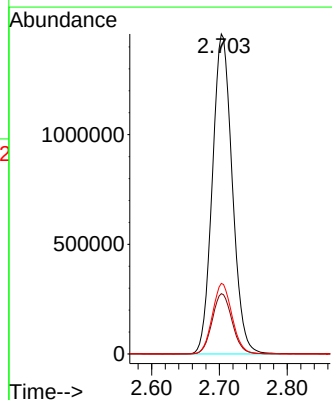
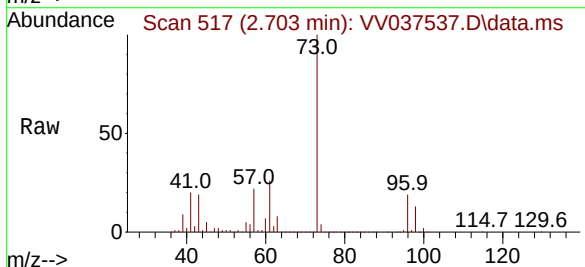
Tgt Ion: 73 Resp: 2970365

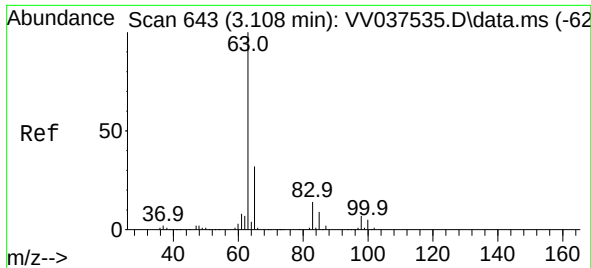
Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

57 21.8 17.4 26.2

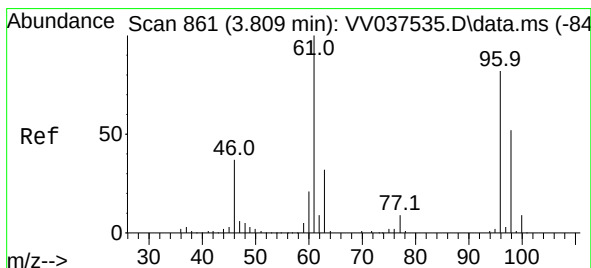
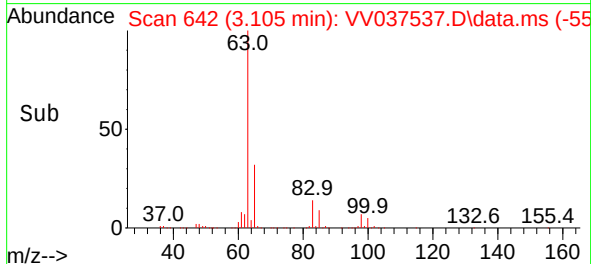
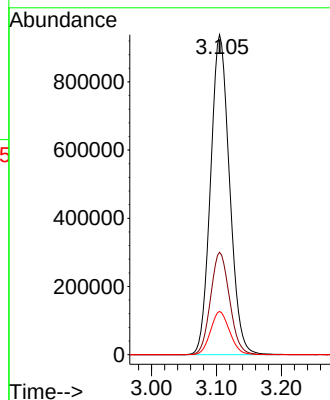
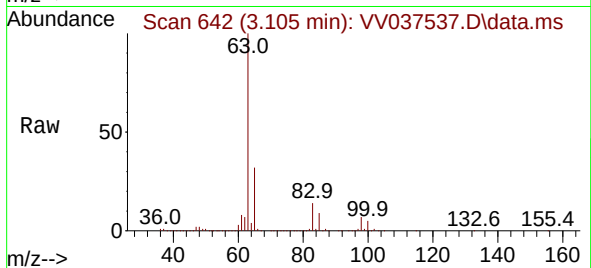




#19
1,1-Dichloroethane
Concen: 201.946 ug/L
RT: 3.105 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

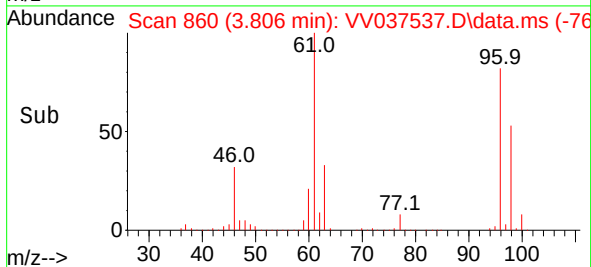
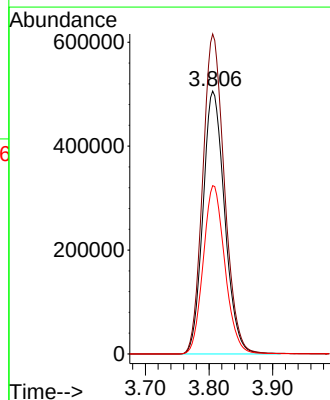
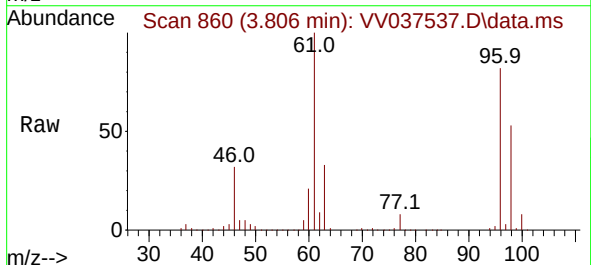
Instrument :
MSVOA_V
ClientSampleId :

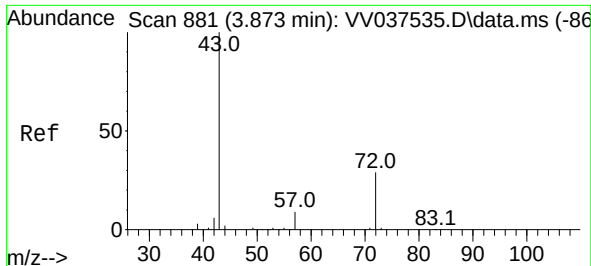
Tgt Ion: 63 Resp: 1904489
Ion Ratio Lower Upper
63 100
65 32.0 22.4 41.6
83 13.5 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 217.467 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion: 96 Resp: 1197837
Ion Ratio Lower Upper
96 100
61 121.7 85.0 157.8
98 64.0 44.2 82.0

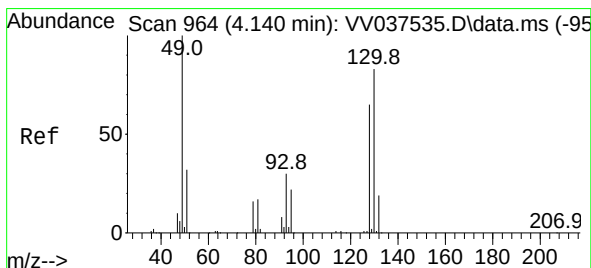
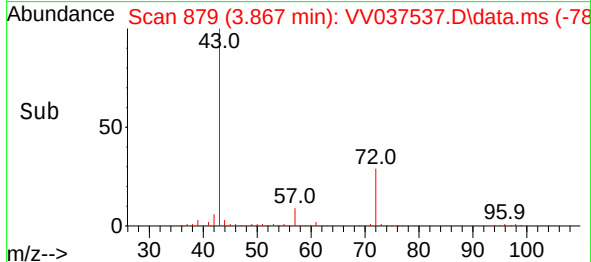
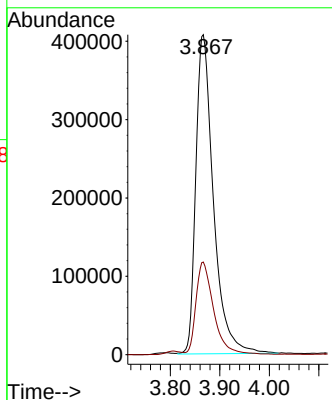
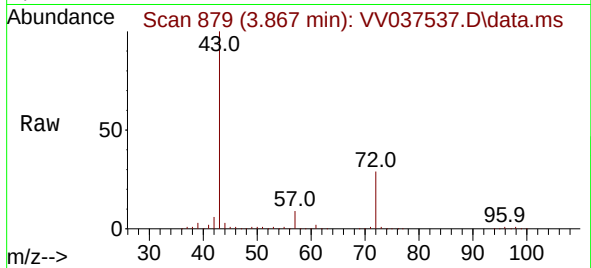




#22
2-Butanone
Concen: 438.553 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

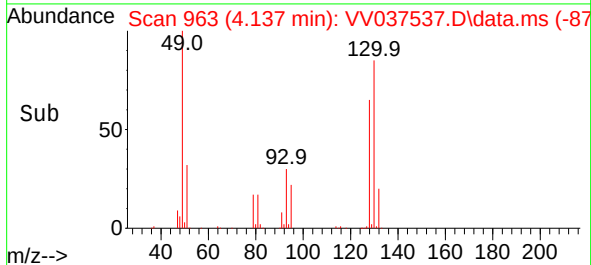
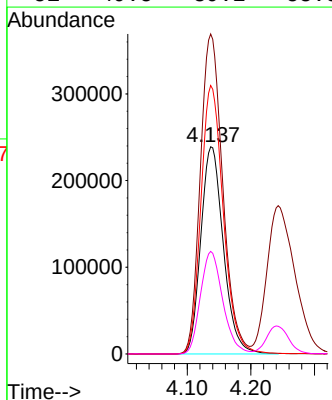
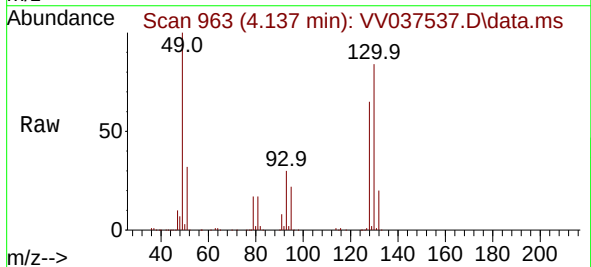
Instrument :
MSVOA_V
ClientSampleId :

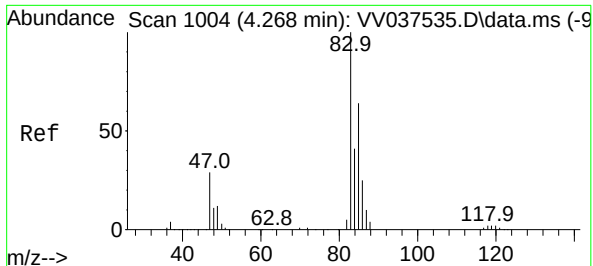
Tgt Ion: 43 Resp: 1009980
Ion Ratio Lower Upper
43 100
72 28.6 14.3 42.9



#23
Bromochloromethane
Concen: 206.170 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion:128 Resp: 587430
Ion Ratio Lower Upper
128 100
49 154.5 108.7 201.9
130 129.6 90.4 168.0
51 49.5 39.2 58.8





#25

Chloroform

Concen: 202.619 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

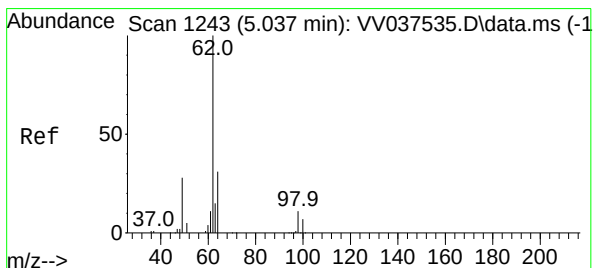
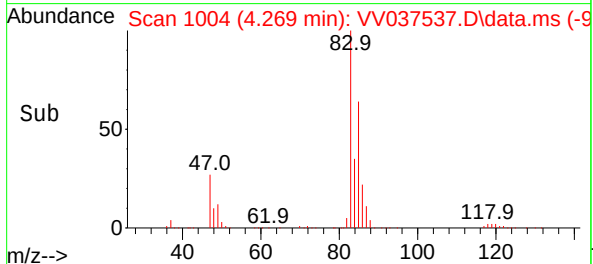
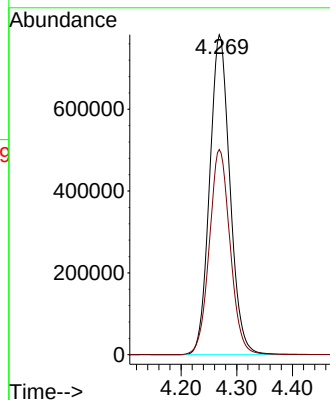
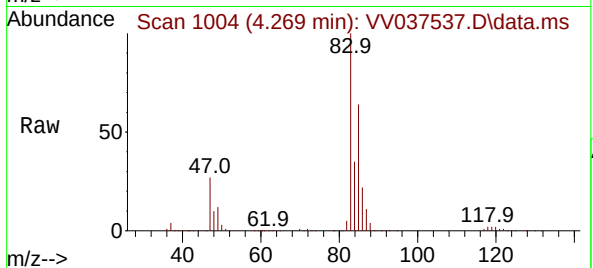
ClientSampleId :

Tgt Ion: 83 Resp: 1978398

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7



#27

1,2-Dichloroethane

Concen: 209.702 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV037537.D

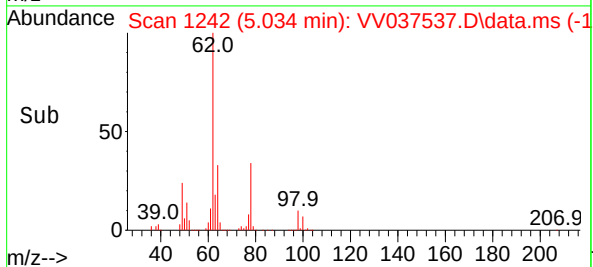
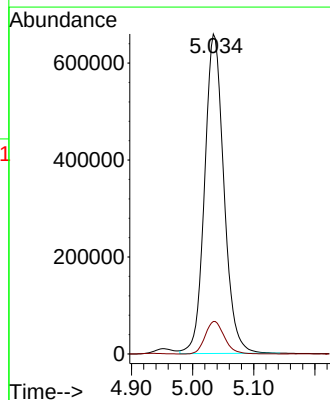
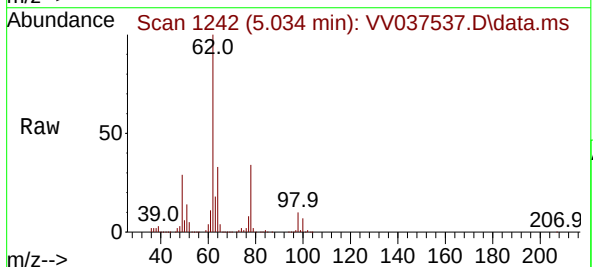
Acq: 26 Sep 2024 09:50

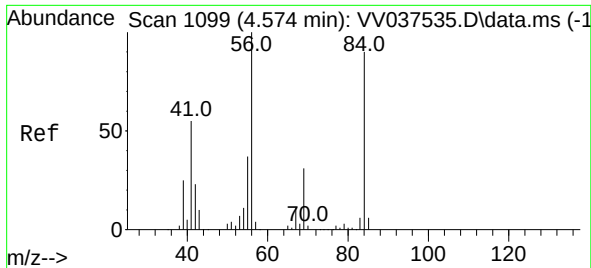
Tgt Ion: 62 Resp: 1445484

Ion Ratio Lower Upper

62 100

98 10.1 8.4 12.6





#29

Cyclohexane

Concen: 214.377 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :

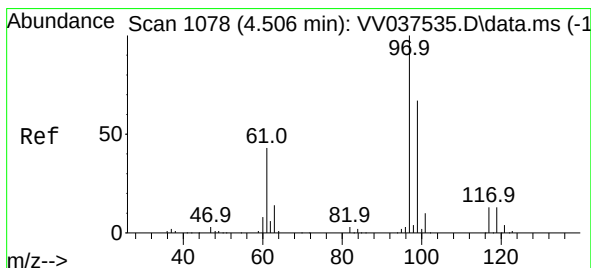
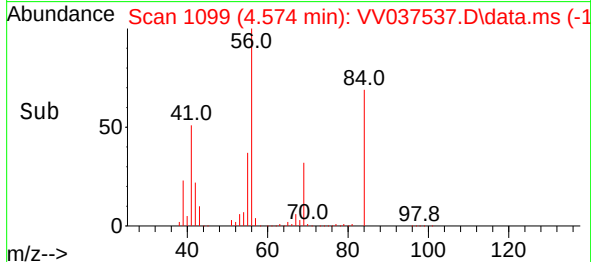
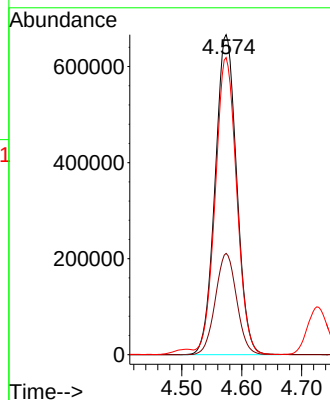
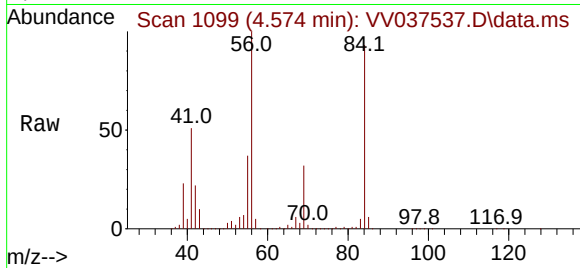
Tgt Ion: 56 Resp: 1656345

Ion Ratio Lower Upper

56 100

69 31.4 24.7 37.1

84 92.6 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 205.984 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

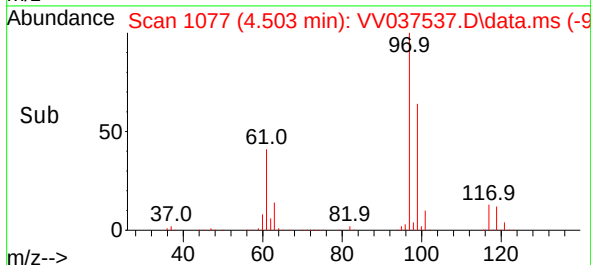
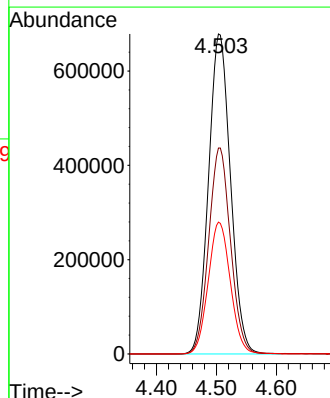
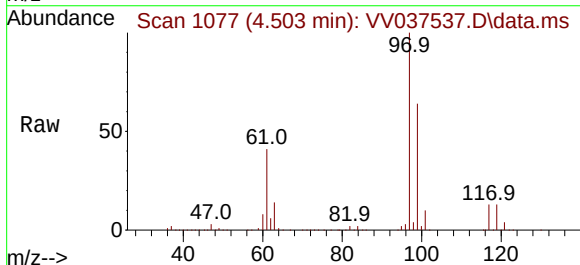
Tgt Ion: 97 Resp: 1726387

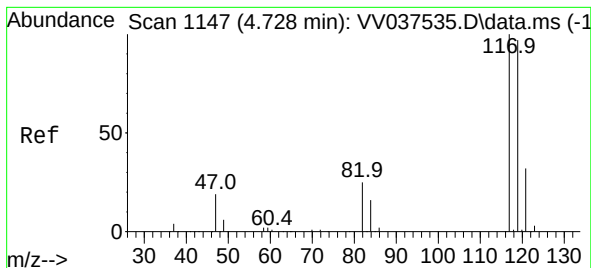
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 41.7 33.6 50.4





#31

Carbon tetrachloride

Concen: 206.606 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

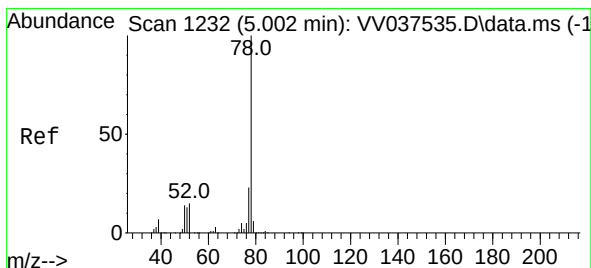
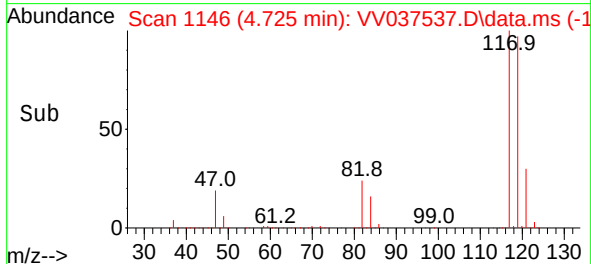
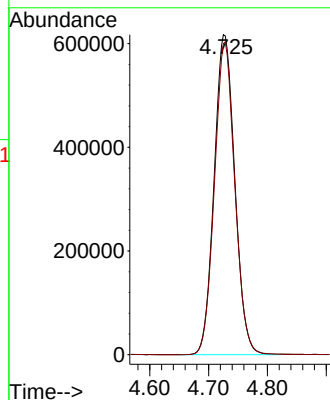
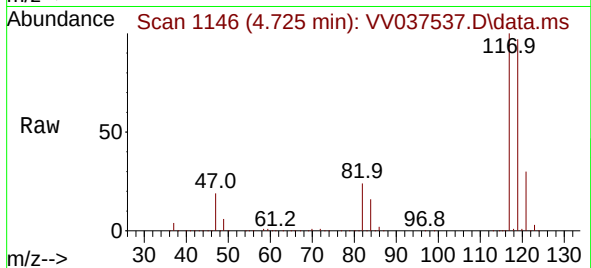
ClientSampleId :

Tgt Ion:117 Resp: 1505468

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



#33

Benzene

Concen: 206.684 ug/L

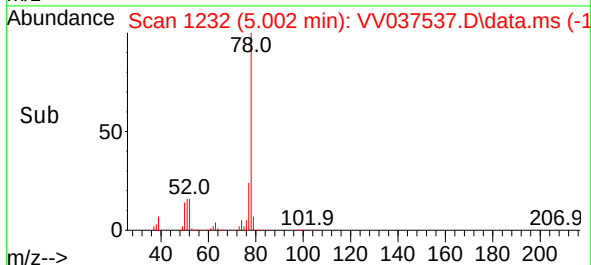
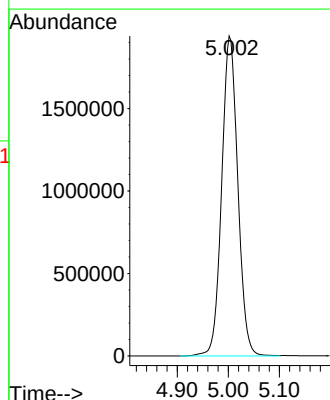
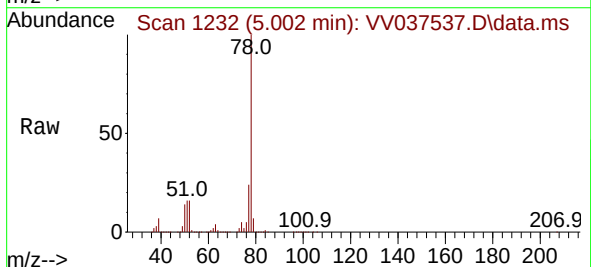
RT: 5.002 min Scan# 1232

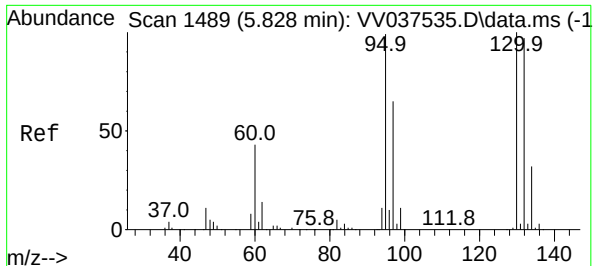
Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Tgt Ion: 78 Resp: 4241760





#34

Trichloroethene

Concen: 209.516 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1145105

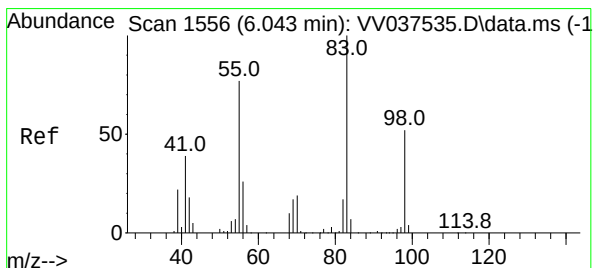
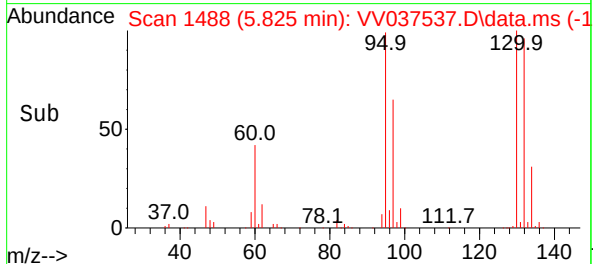
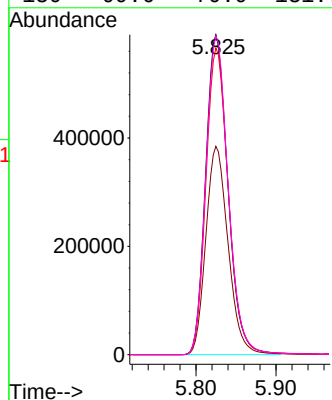
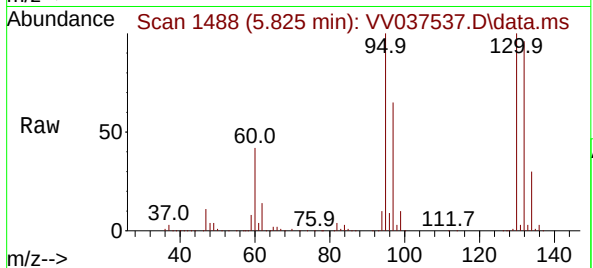
Ion Ratio Lower Upper

95 100

97 65.1 46.3 85.9

132 95.8 68.6 127.4

130 99.6 70.9 131.7



#35

Methylcyclohexane

Concen: 213.978 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

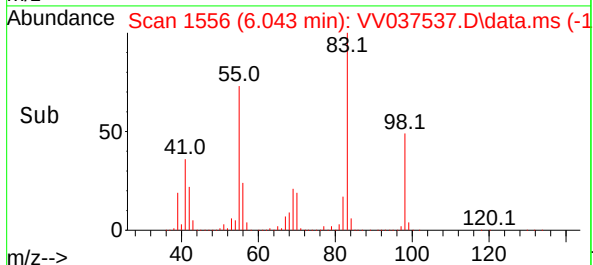
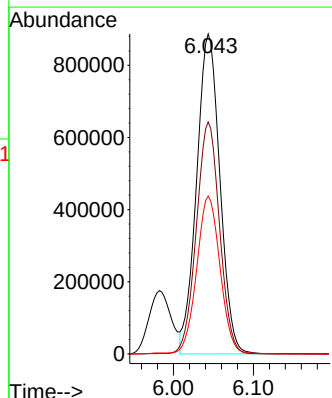
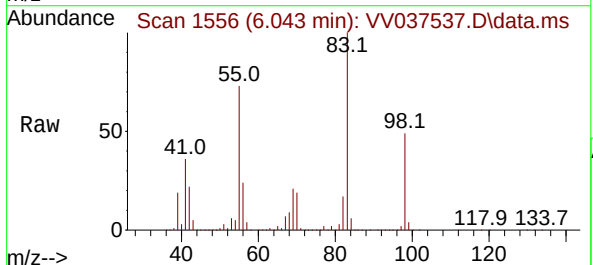
Tgt Ion: 83 Resp: 1799121

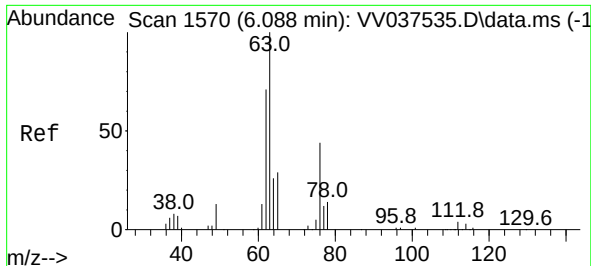
Ion Ratio Lower Upper

83 100

55 72.1 57.9 86.9

98 49.4 39.3 58.9

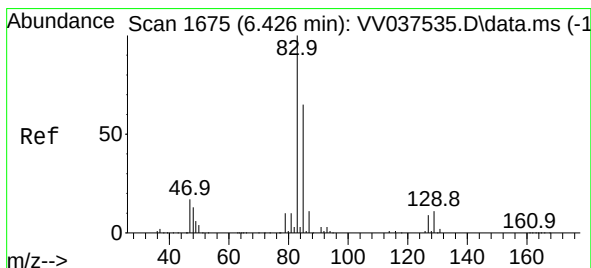
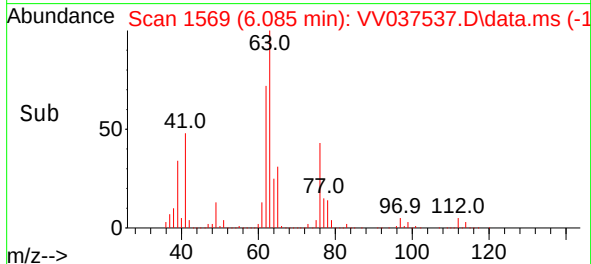
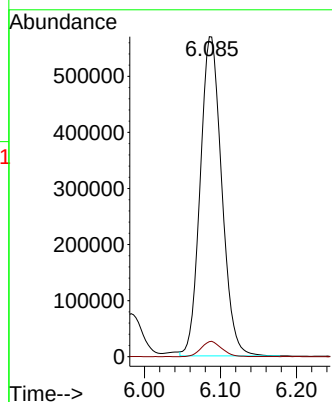
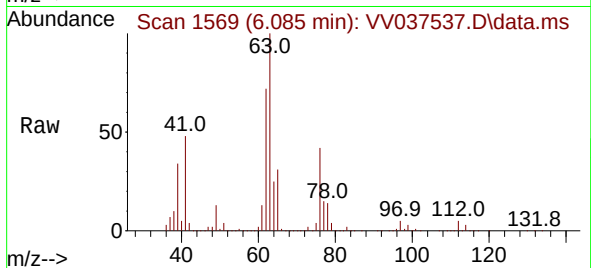




#37
1,2-Dichloropropane
Concen: 211.200 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

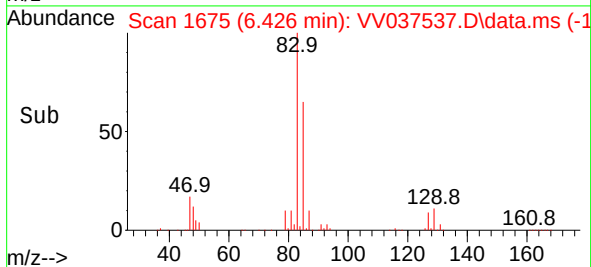
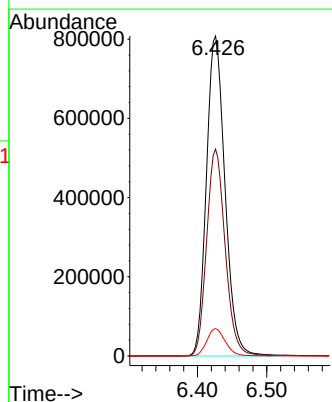
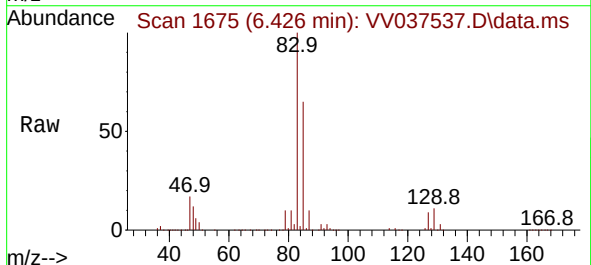
Instrument :
MSVOA_V
ClientSampleId :

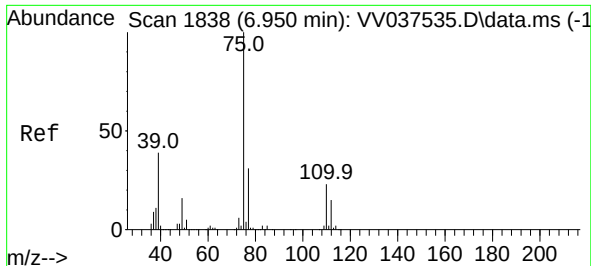
Tgt Ion: 63 Resp: 1119302
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 212.101 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion: 83 Resp: 1502616
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9
127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 227.599 ug/L

RT: 6.947 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

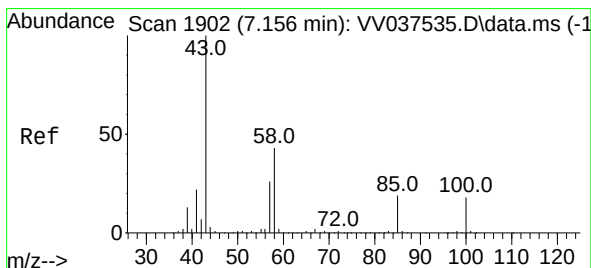
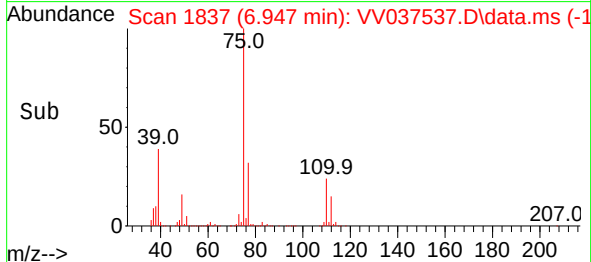
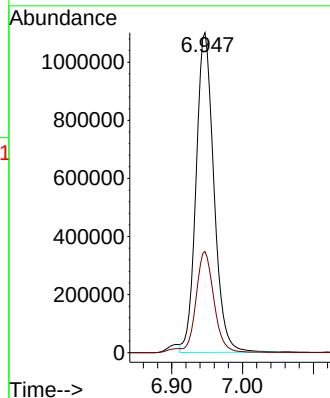
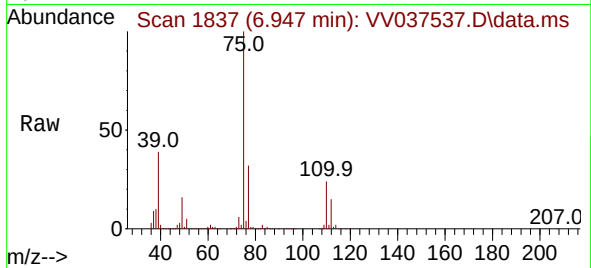
ClientSampleId :

Tgt Ion: 75 Resp: 1925407

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 457.669 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

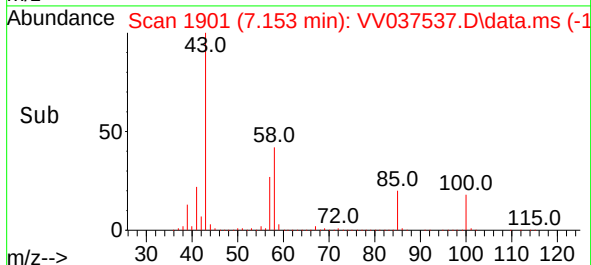
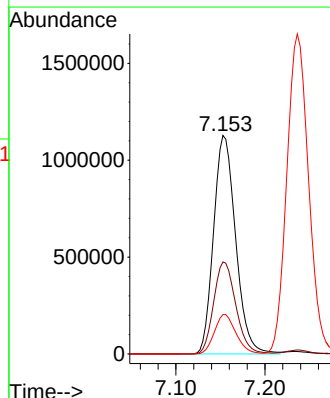
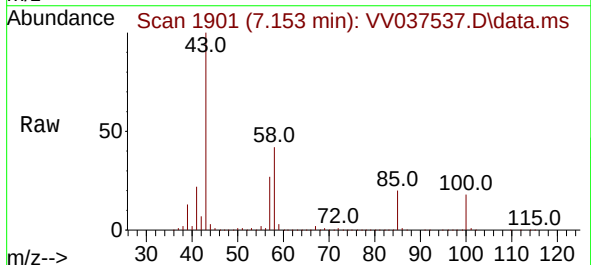
Tgt Ion: 43 Resp: 1939991

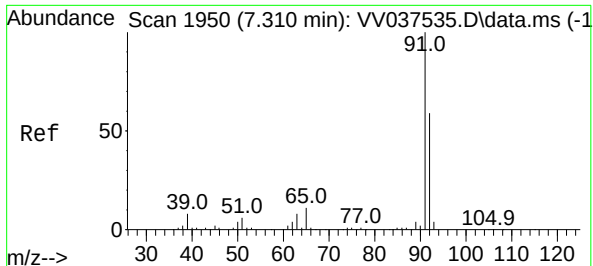
Ion Ratio Lower Upper

43 100

58 42.3 33.0 49.4

100 17.7 13.7 20.5





#42

Toluene

Concen: 214.274 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

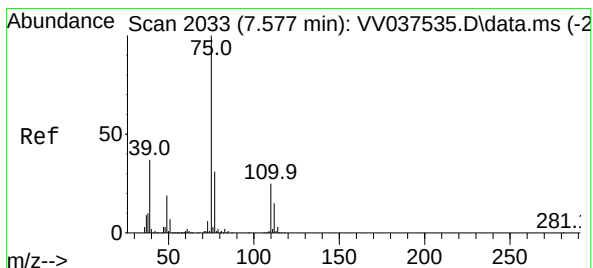
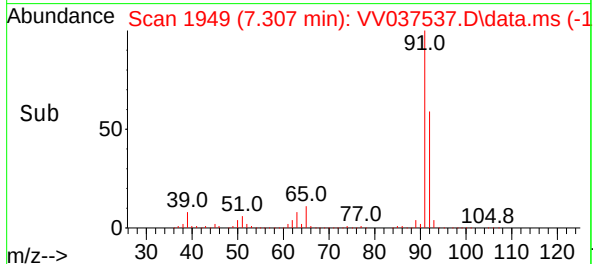
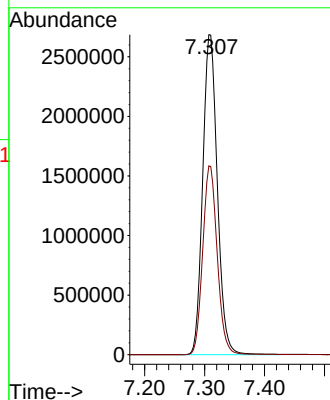
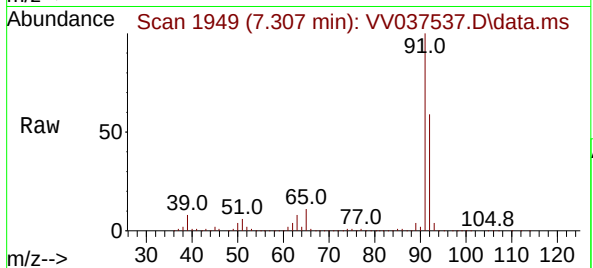
ClientSampleId :

Tgt Ion: 91 Resp: 4558879

Ion Ratio Lower Upper

91 100

92 59.0 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 230.632 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV037537.D

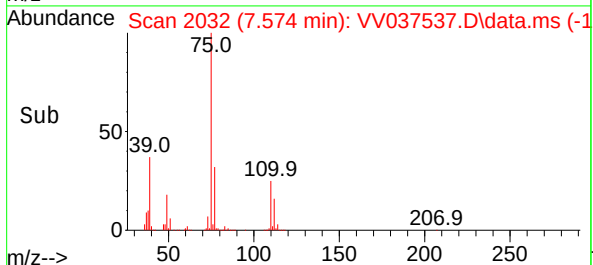
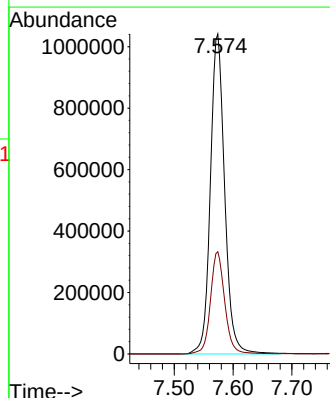
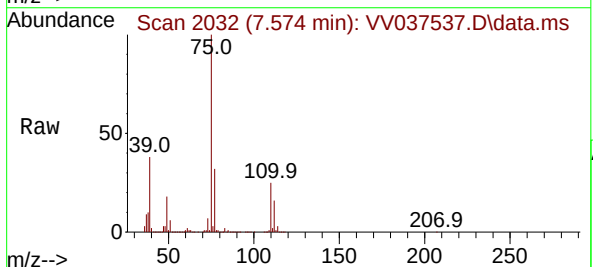
Acq: 26 Sep 2024 09:50

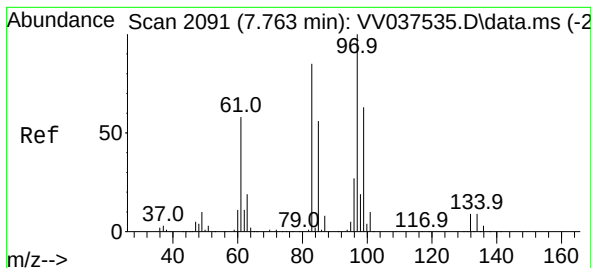
Tgt Ion: 75 Resp: 1756554

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 208.058 ug/L

RT: 7.760 min Scan# 2091

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1058743

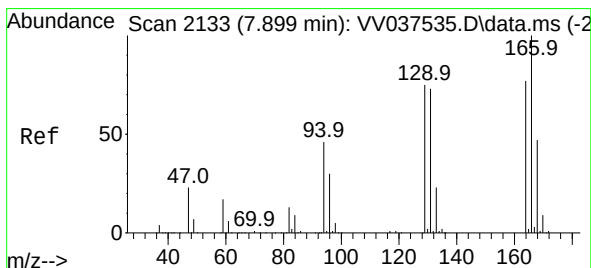
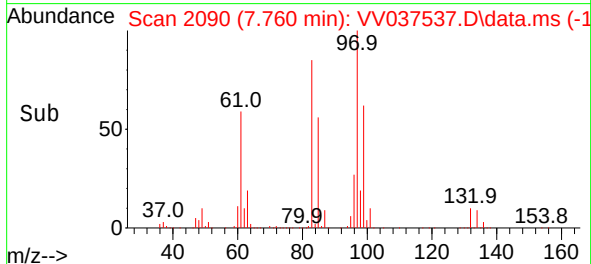
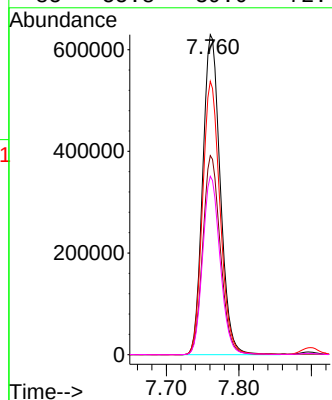
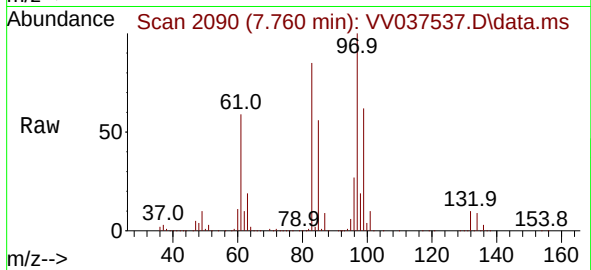
Ion Ratio Lower Upper

97 100

99 62.2 44.1 81.9

83 85.4 59.3 110.1

85 55.8 39.0 72.4



#46

Tetrachloroethene

Concen: 206.161 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Tgt Ion:164 Resp: 861496

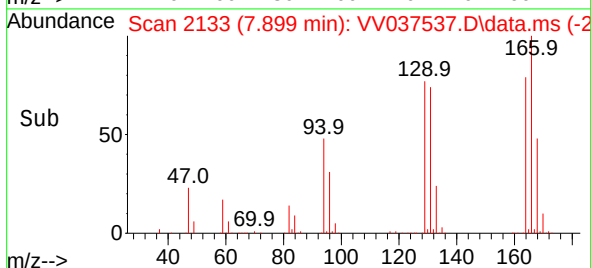
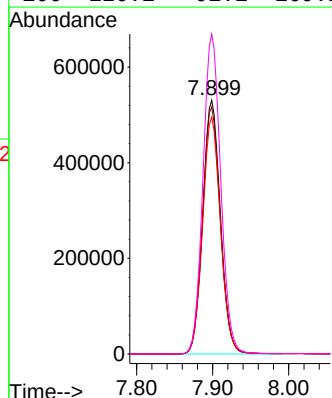
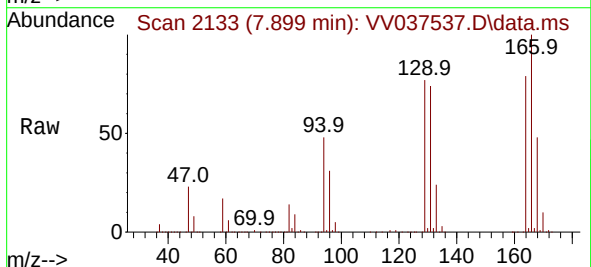
Ion Ratio Lower Upper

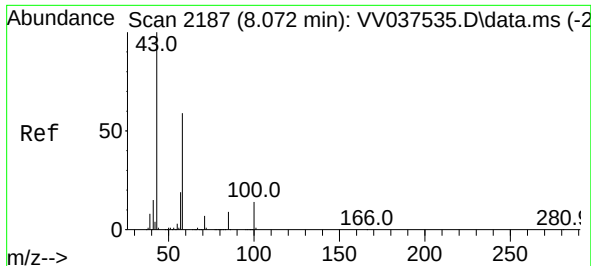
164 100

129 97.4 68.2 126.6

131 93.3 66.1 122.8

166 126.1 91.1 169.1





#48

2-Hexanone

Concen: 459.670 ug/L

RT: 8.069 min Scan# 2186

Delta R.T. -0.003 min

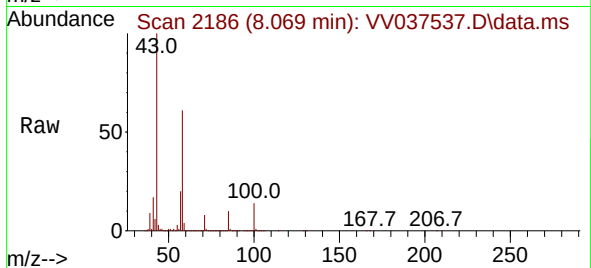
Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 1446076

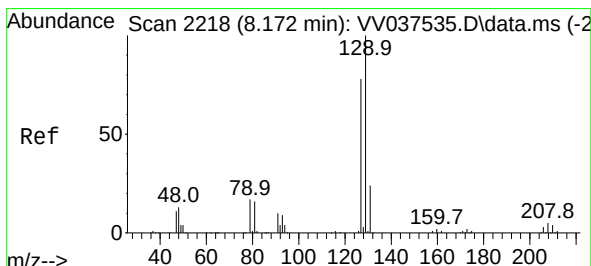
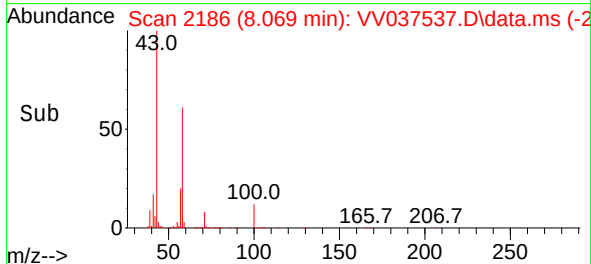
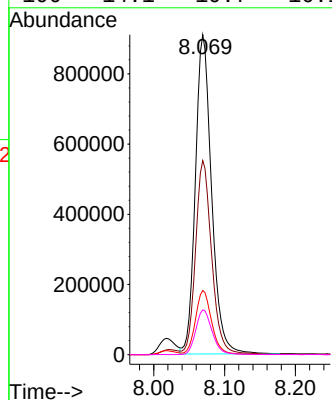
Ion Ratio Lower Upper

43 100

58 60.4 46.5 69.7

57 20.1 15.1 22.7

100 14.1 10.7 16.1



#49

Dibromochloromethane

Concen: 215.946 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. -0.003 min

Lab File: VV037537.D

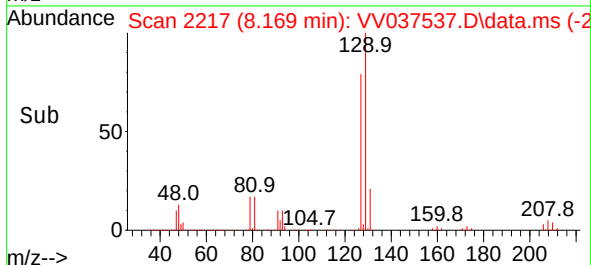
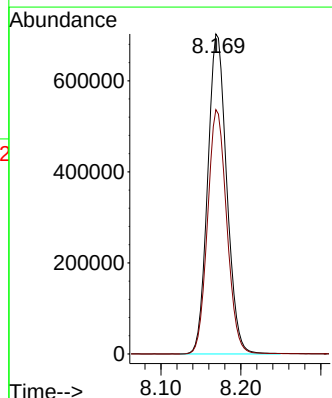
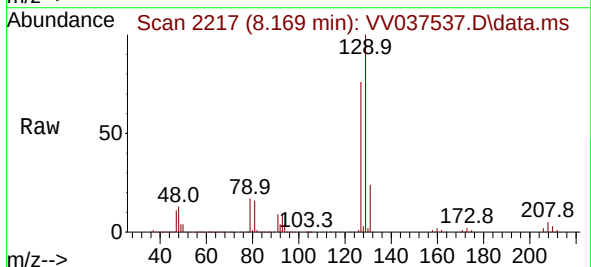
Acq: 26 Sep 2024 09:50

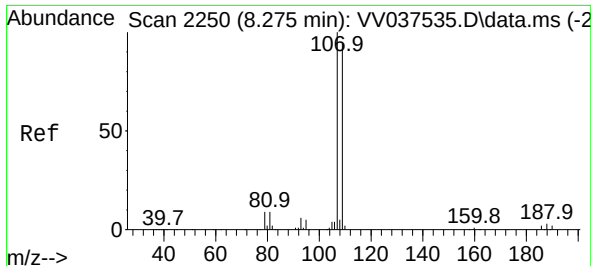
Tgt Ion: 129 Resp: 1163028

Ion Ratio Lower Upper

129 100

127 76.4 54.9 101.9

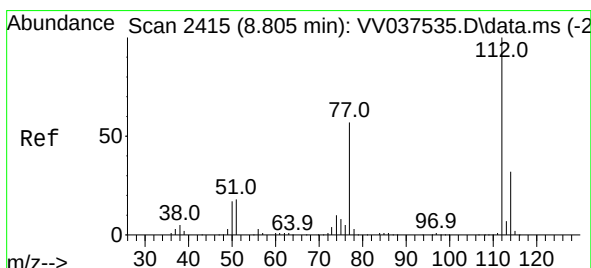
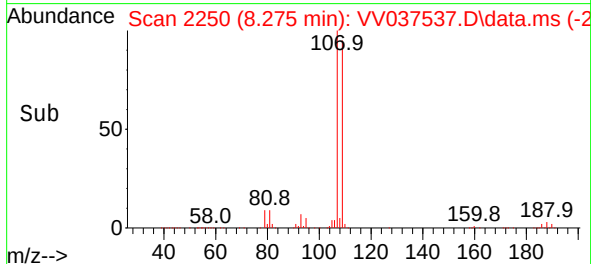
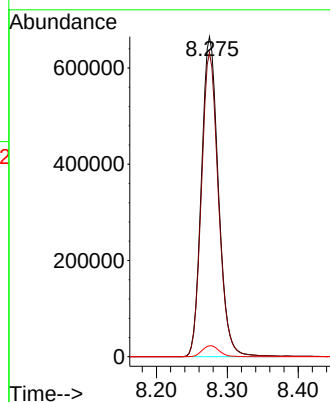
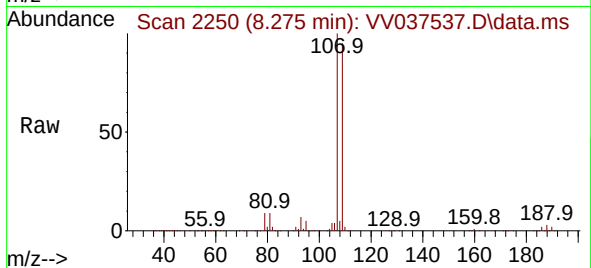




#50
1,2-Dibromoethane
Concen: 210.322 ug/L
RT: 8.275 min Scan# 2107
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

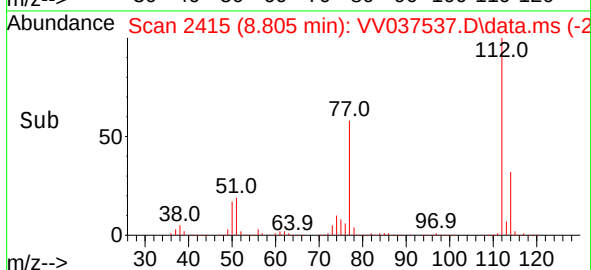
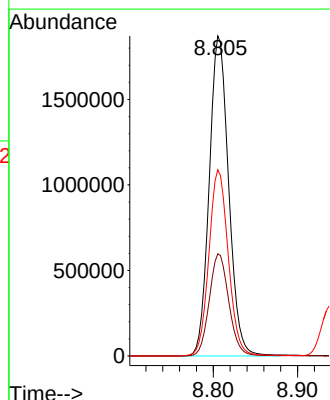
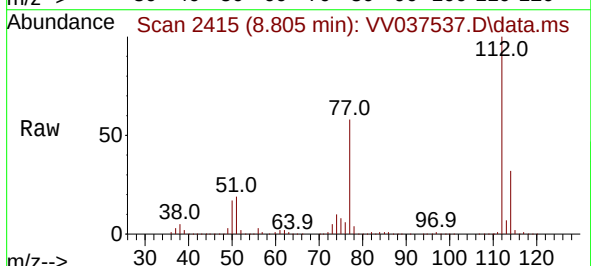
Instrument :
MSVOA_V
ClientSampleId :

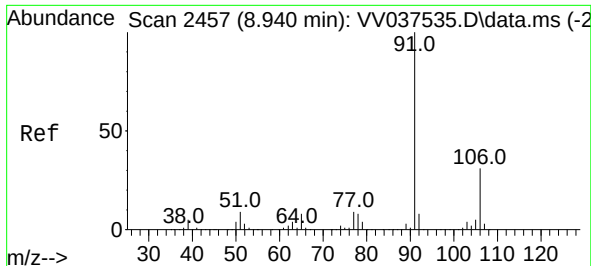
Tgt Ion:107 Resp: 1106329
Ion Ratio Lower Upper
107 100
109 95.0 65.7 121.9
188 3.4 2.8 4.2



#51
Chlorobenzene
Concen: 206.867 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion:112 Resp: 2998589
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 58.2 45.8 68.8

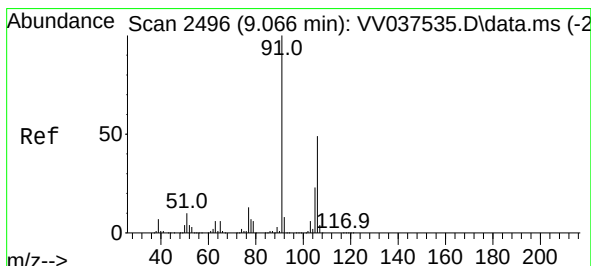
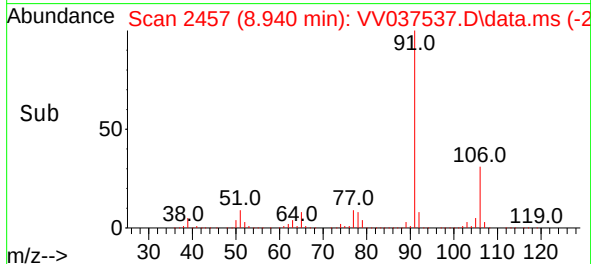
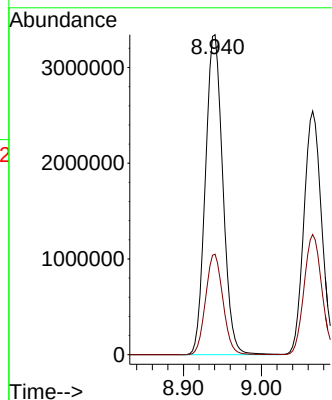
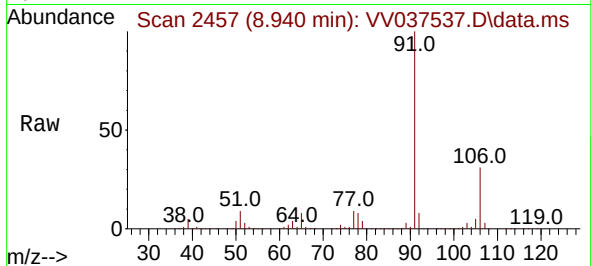




#52
Ethylbenzene
Concen: 216.970 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

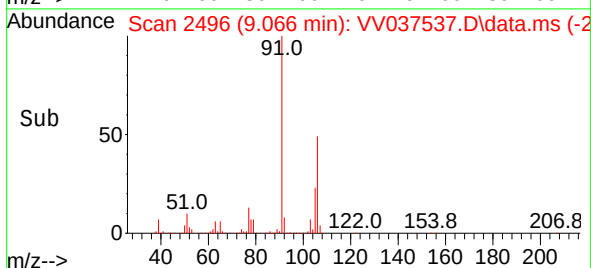
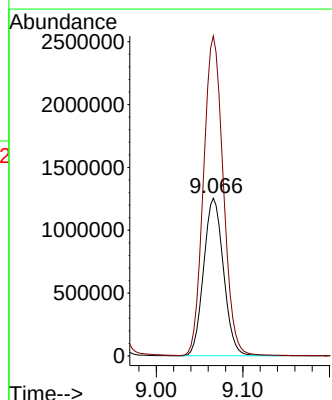
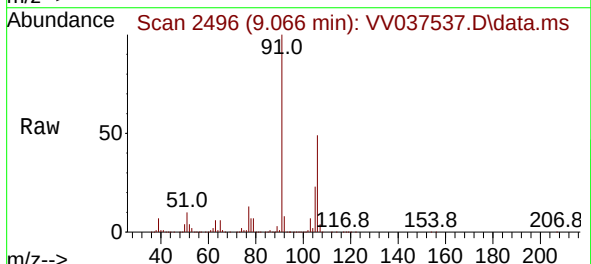
Instrument :
MSVOA_V
ClientSampleId :

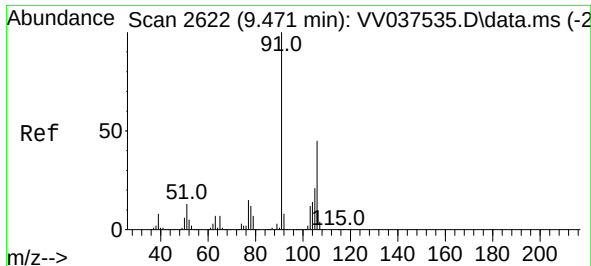
Tgt Ion: 91 Resp: 5196281
Ion Ratio Lower Upper
91 100
106 31.4 21.9 40.7



#53
m,p-Xylene
Concen: 223.993 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion:106 Resp: 1996491
Ion Ratio Lower Upper
106 100
91 202.9 142.0 263.6

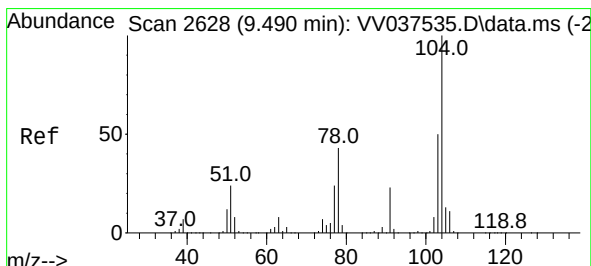
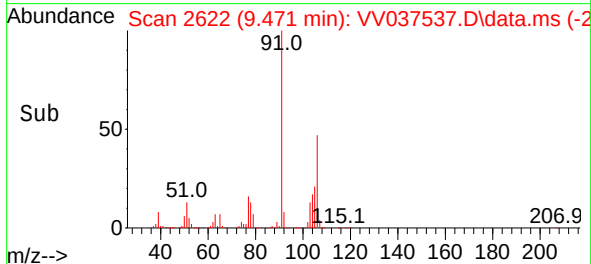
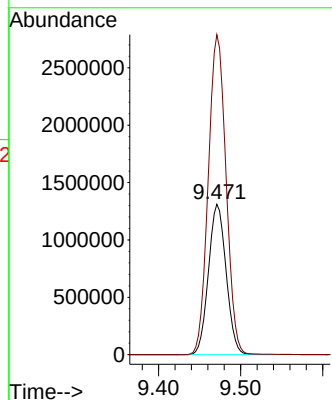
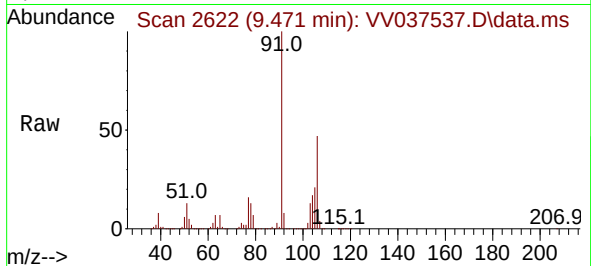




#54
o-Xylene
Concen: 224.975 ug/L
RT: 9.471 min Scan# 206
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

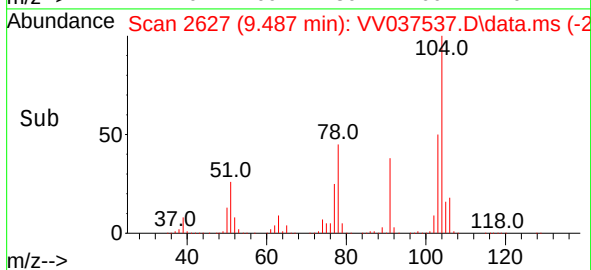
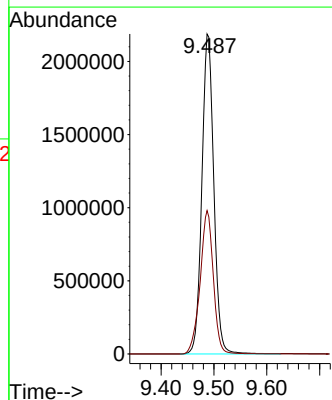
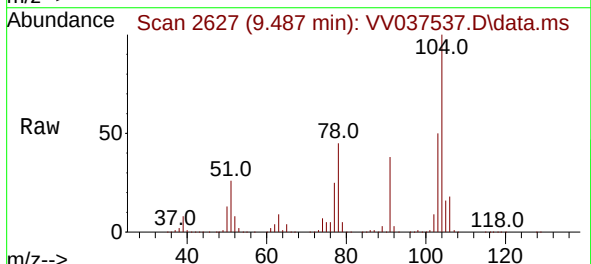
Instrument :
MSVOA_V
ClientSampleId :

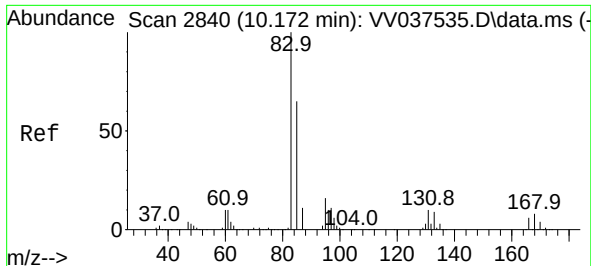
Tgt Ion:106 Resp: 1957692
Ion Ratio Lower Upper
106 100
91 212.9 153.9 285.9



#55
Styrene
Concen: 226.446 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

Tgt Ion:104 Resp: 3430339
Ion Ratio Lower Upper
104 100
78 44.8 30.0 55.6

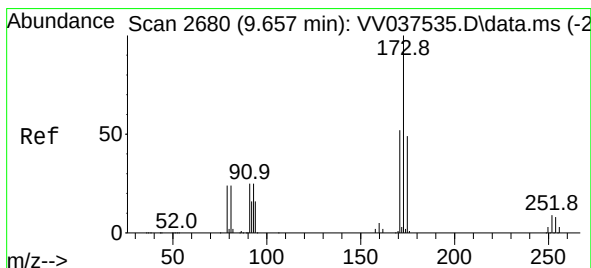
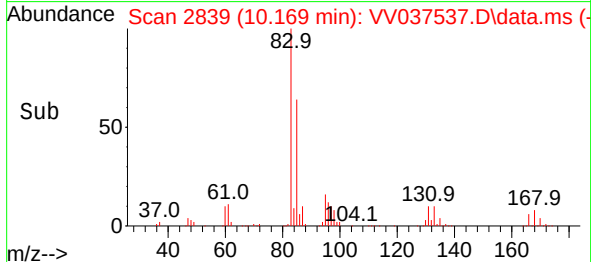
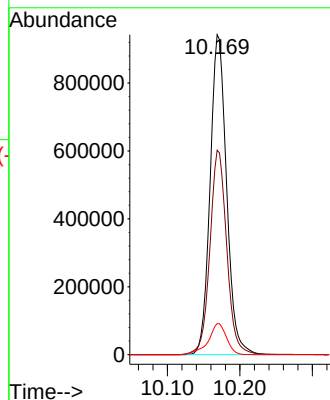
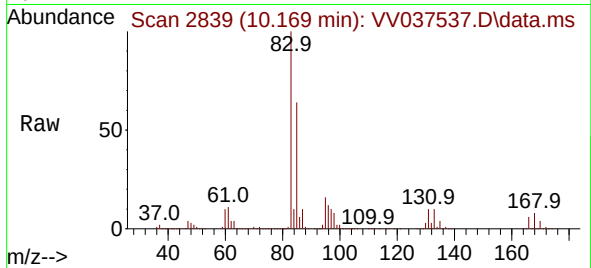




#57
1,1,2,2-Tetrachloroethane
Concen: 209.840 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

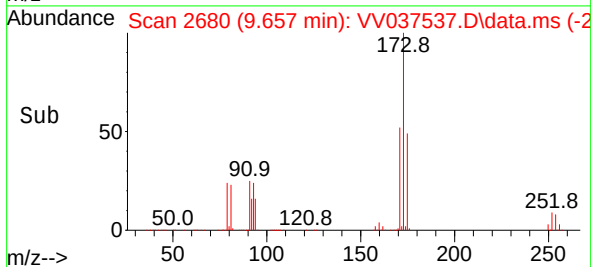
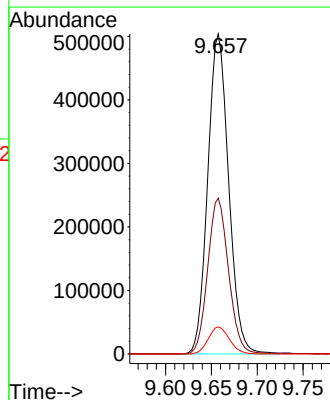
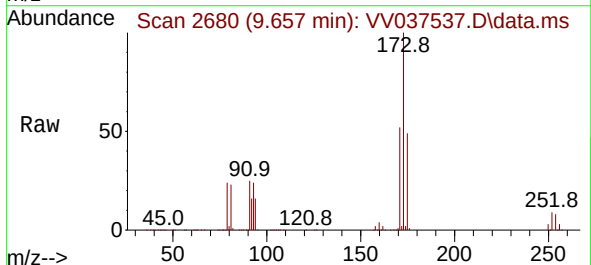
Instrument :
MSVOA_V
ClientSampleId :

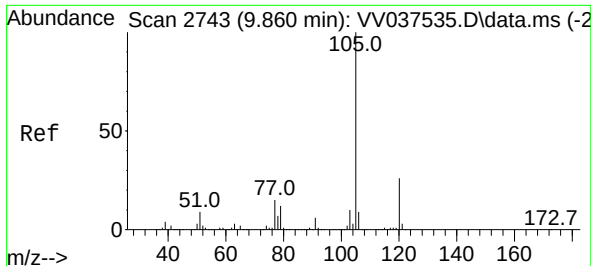
Tgt Ion: 83 Resp: 1488754
Ion Ratio Lower Upper
83 100
85 63.9 45.9 85.3
131 9.7 7.9 11.9



#59
Bromoform
Concen: 218.116 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

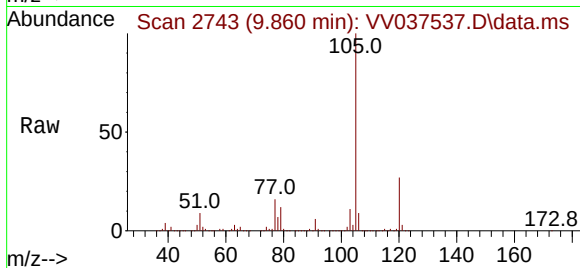
Tgt Ion: 173 Resp: 799321
Ion Ratio Lower Upper
173 100
175 48.4 40.0 60.0
254 8.5 6.5 9.7



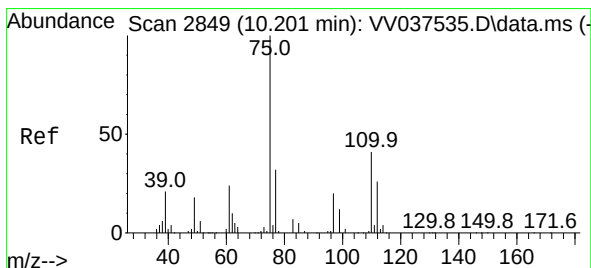
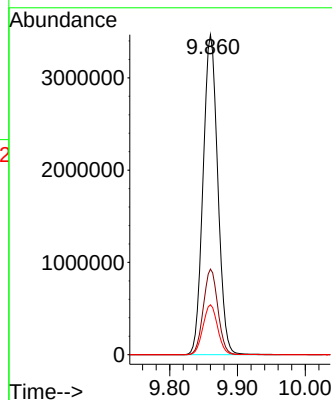
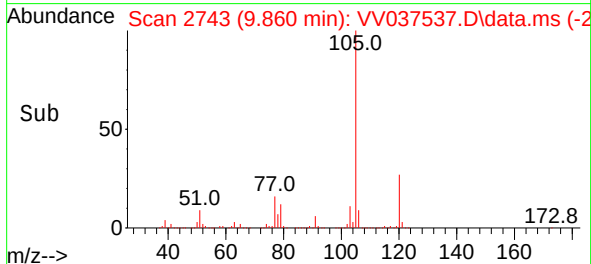


#60
Isopropylbenzene
Concen: 214.041 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

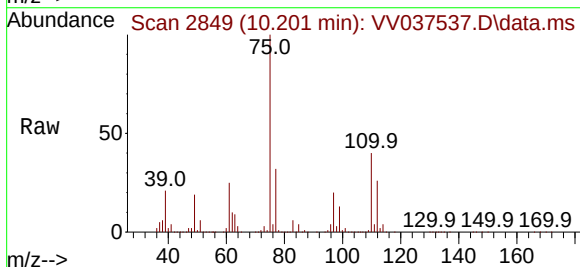
Instrument :
MSVOA_V
ClientSampleId :



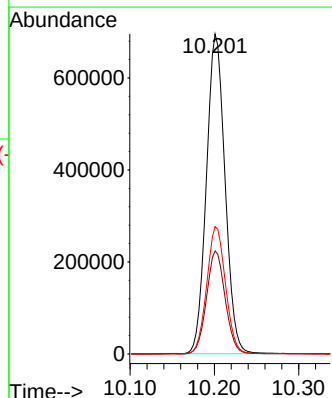
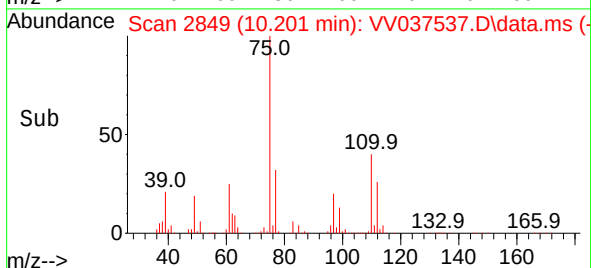
Tgt Ion:105 Resp: 5217686
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 15.5 12.2 18.2

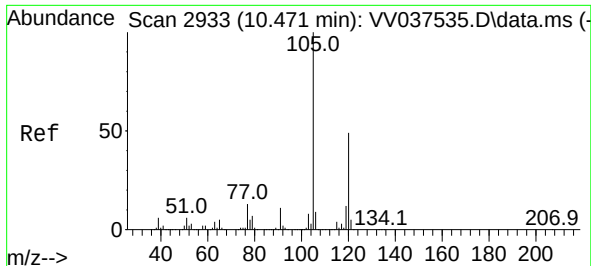


#61
1,2,3-Trichloropropane
Concen: 200.416 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50



Tgt Ion: 75 Resp: 1069294
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
110 40.3 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 228.337 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

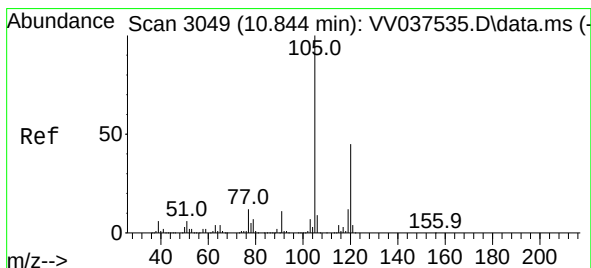
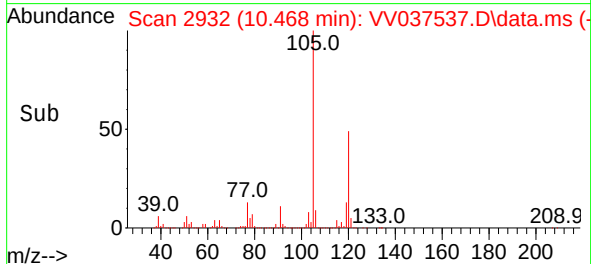
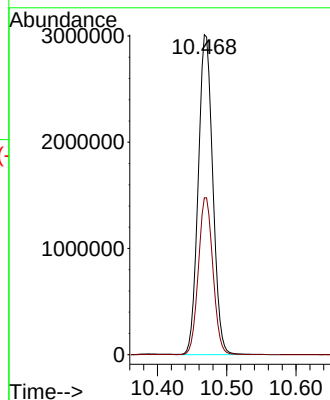
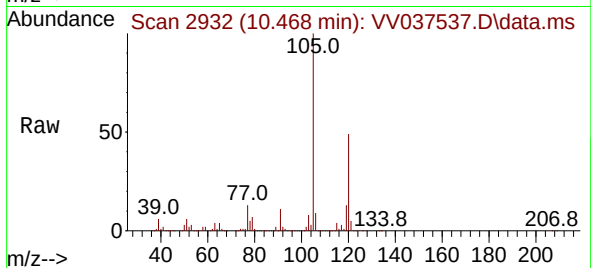
ClientSampleId :

Tgt Ion:105 Resp: 4400659

Ion Ratio Lower Upper

105 100

120 49.1 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 230.038 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037537.D

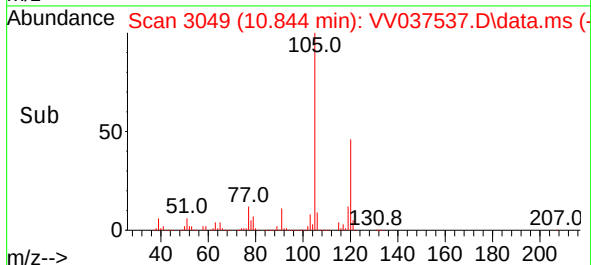
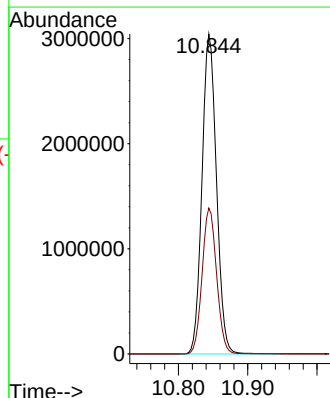
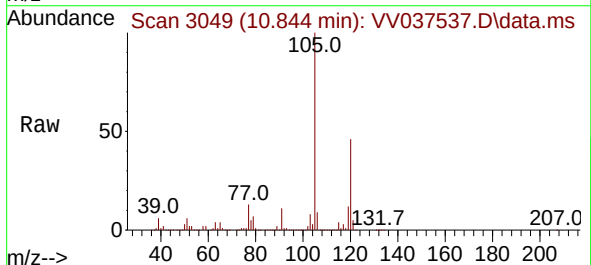
Acq: 26 Sep 2024 09:50

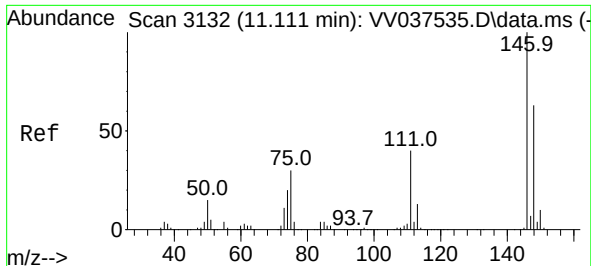
Tgt Ion:105 Resp: 4411127

Ion Ratio Lower Upper

105 100

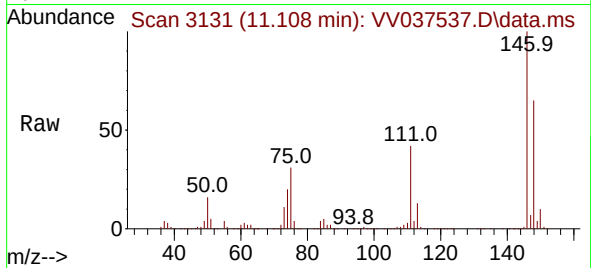
120 45.7 36.2 54.2



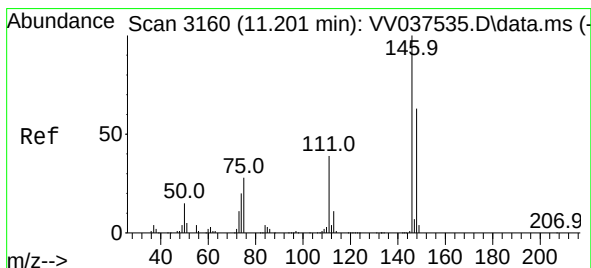
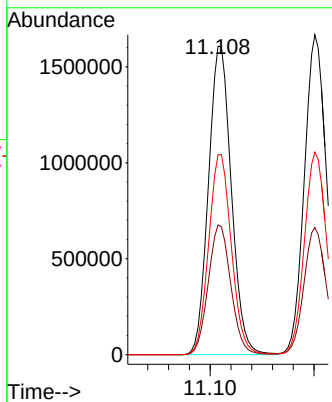
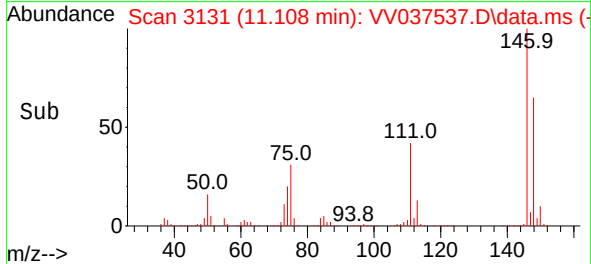


#64
1,3-Dichlorobenzene
Concen: 209.724 ug/L
RT: 11.108 min Scan# 3132
Delta R.T. -0.003 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50

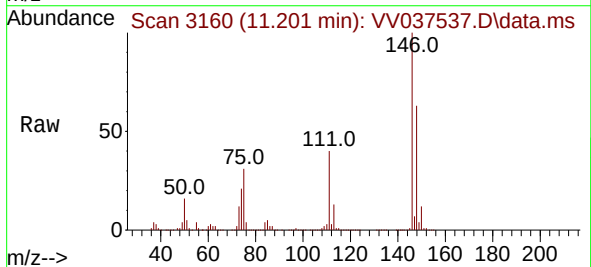
Instrument :
MSVOA_V
ClientSampleId :



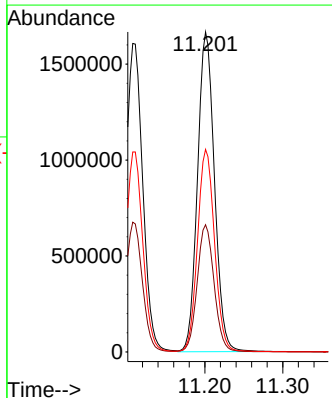
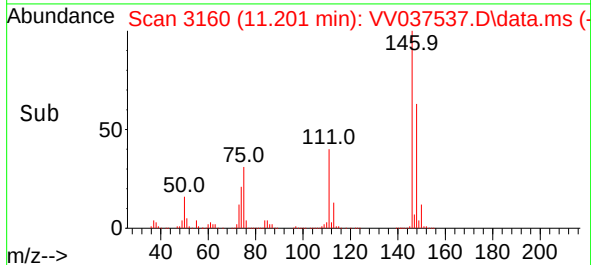
Tgt Ion:146 Resp: 2460786
Ion Ratio Lower Upper
146 100
111 42.0 28.3 52.5
148 64.8 44.3 82.3

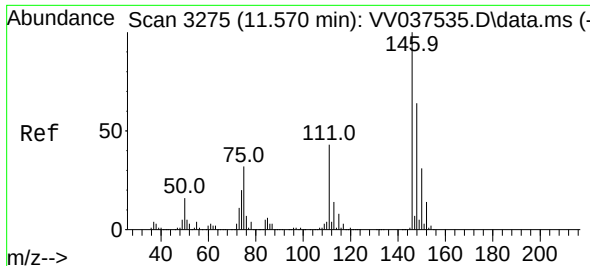


#65
1,4-Dichlorobenzene
Concen: 205.700 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VV037537.D
Acq: 26 Sep 2024 09:50



Tgt Ion:146 Resp: 2513217
Ion Ratio Lower Upper
146 100
111 39.8 27.6 51.4
148 63.3 44.4 82.4

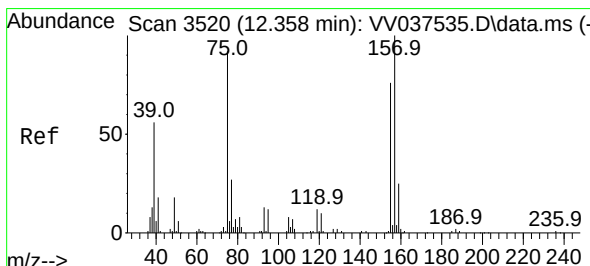
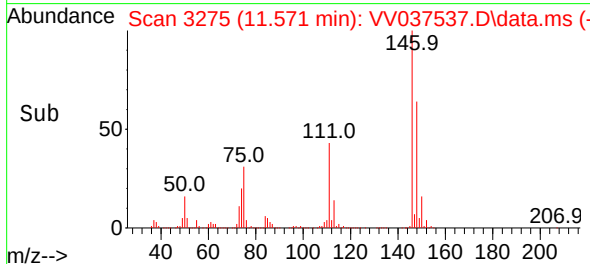
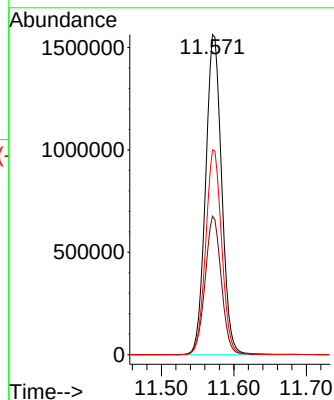
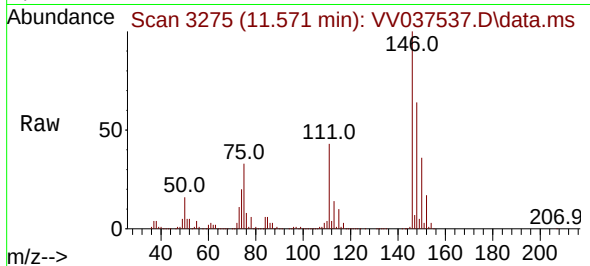




#67
 1,2-Dichlorobenzene
 Concen: 206.733 ug/L
 RT: 11.571 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV037537.D
 Acq: 26 Sep 2024 09:50

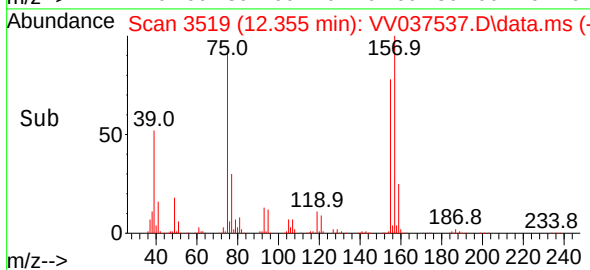
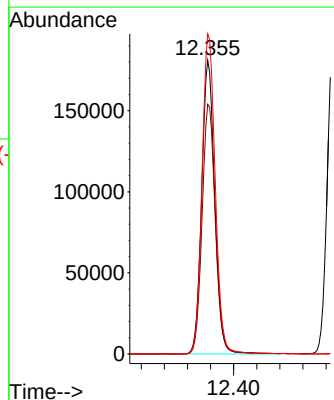
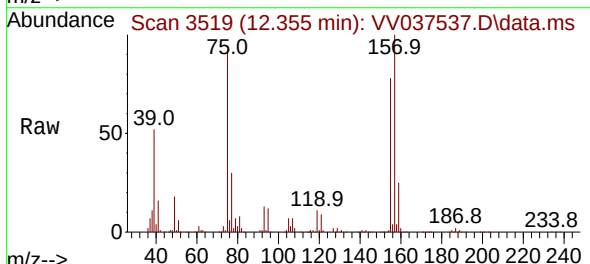
Instrument :
 MSVOA_V
 ClientSampleId :

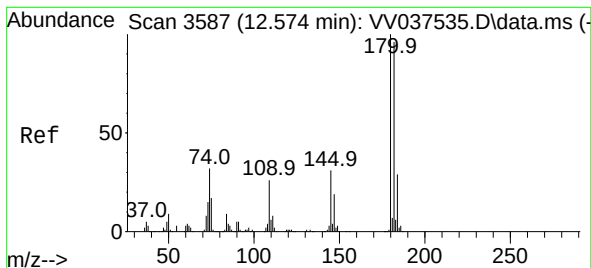
Tgt Ion:146 Resp: 2397946
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.2 51.2
 148 64.0 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 219.464 ug/L
 RT: 12.355 min Scan# 3519
 Delta R.T. -0.003 min
 Lab File: VV037537.D
 Acq: 26 Sep 2024 09:50

Tgt Ion: 75 Resp: 284236
 Ion Ratio Lower Upper
 75 100
 155 85.0 66.2 99.4
 157 109.0 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 218.210 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 1760707

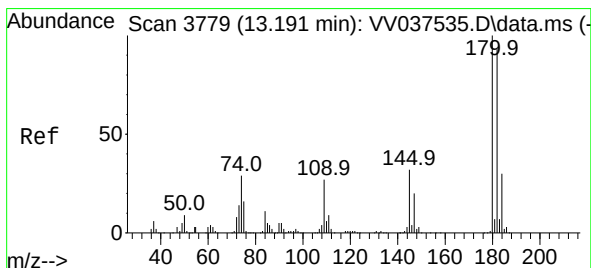
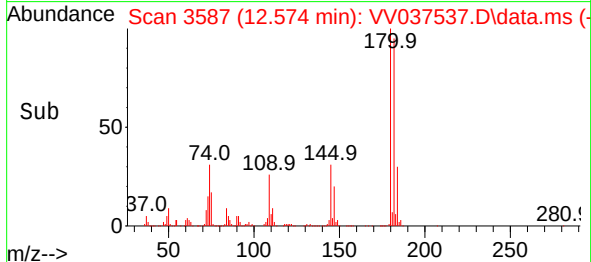
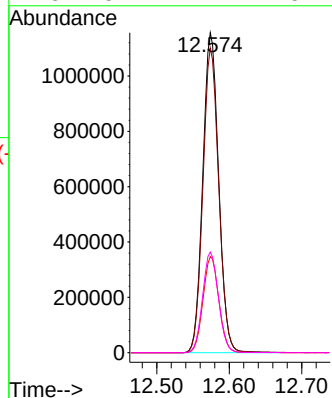
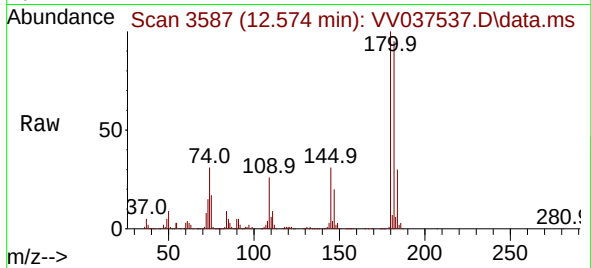
Ion Ratio Lower Upper

180 100

182 94.8 75.6 113.4

184 30.1 23.8 35.6

145 31.4 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 225.657 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

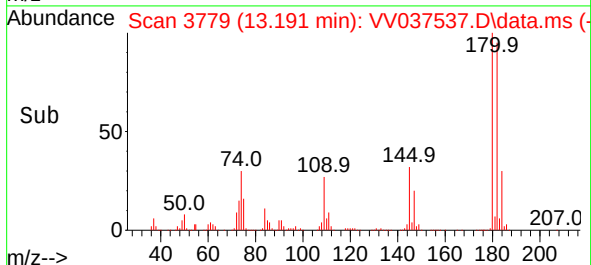
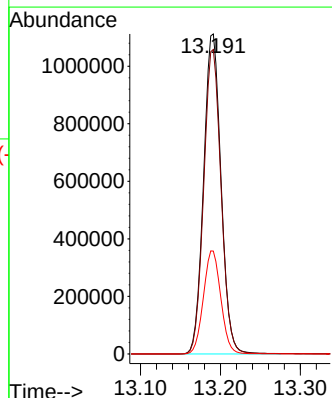
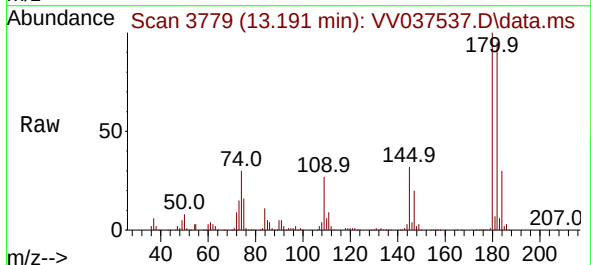
Tgt Ion:180 Resp: 1689333

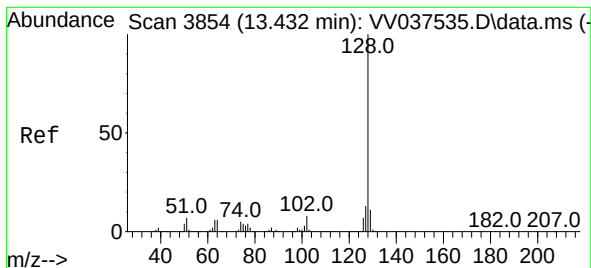
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 32.1 25.4 38.2





#71

Naphthalene

Concen: 234.422 ug/L

RT: 13.429 min Scan# 3853

Delta R.T. -0.003 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Instrument :

MSVOA_V

ClientSampleId :

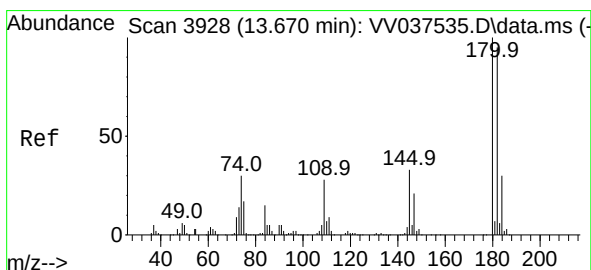
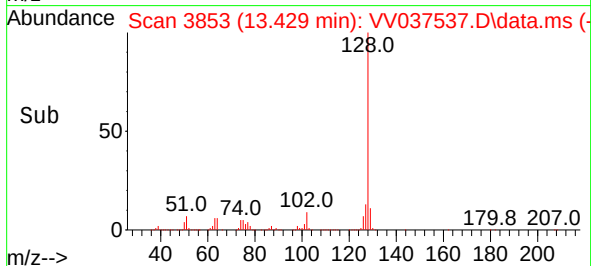
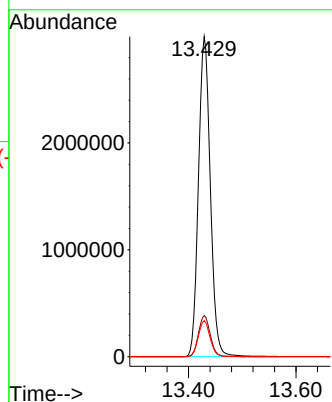
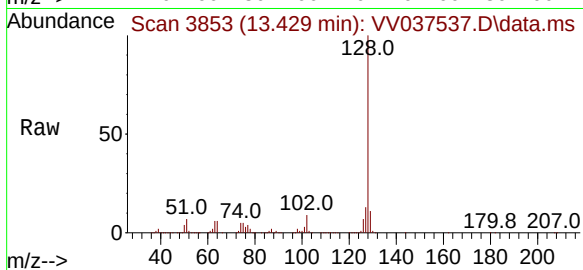
Tgt Ion:128 Resp: 4585094

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 218.752 ug/L

RT: 13.670 min Scan# 3928

Delta R.T. 0.000 min

Lab File: VV037537.D

Acq: 26 Sep 2024 09:50

Tgt Ion:180 Resp: 1617206

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

145 33.9 26.2 39.4

