

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037540.D
 Acq On : 26 Sep 2024 12:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:45:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:39:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	695771	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	667194	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	354629	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	304847	49.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.820%
7) Chloroethane-d5	1.532	69	237955	50.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.380%
11) 1,1-Dichloroethene-d2	2.060	65	128930	50.526	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.060%
21) 2-Butanone-d5	3.789	46	232620	106.929	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.930%
24) Chloroform-d	4.243	84	550101	50.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.240%
26) 1,2-Dichloroethane-d4	4.937	65	322407	50.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.380%
32) Benzene-d6	4.953	84	1073552	51.421	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.840%
36) 1,2-Dichloropropane-d6	5.986	67	337203	50.722	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.440%
41) Toluene-d8	7.236	98	981849	51.864	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.720%
43) trans-1,3-Dichloroprop...	7.548	79	159427	51.623	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.240%
47) 2-Hexanone-d5	8.021	63	157575	112.248	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.250%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	399344	51.698	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	377281	50.488	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.980%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	295217	49.841	ug/L	100
3) Chloromethane	1.217	50	286710	49.859	ug/L	98
5) Vinyl chloride	1.285	62	305407	49.540	ug/L	99
6) Bromomethane	1.487	94	174777	51.086	ug/L	99
8) Chloroethane	1.548	64	188088	49.500	ug/L	99
9) Trichlorofluoromethane	1.712	101	413480	49.827	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	245122	49.432	ug/L	100
12) 1,1-Dichloroethene	2.069	96	229820	49.615	ug/L	91
13) Acetone	2.111	43	169902	79.668	ug/L	97
14) Carbon disulfide	2.240	76	709977	49.103	ug/L	99
15) Methyl Acetate	2.372	43	190808	51.269	ug/L	98
16) Methylene chloride	2.445	84	257020	49.005	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	246950	50.395	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	721548	51.323	ug/L	100
19) 1,1-Dichloroethane	3.105	63	468081	49.855	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	277800	50.659	ug/L	98
22) 2-Butanone	3.873	43	217284	92.051	ug/L	98
23) Bromochloromethane	4.140	128	142984	50.407	ug/L	99
25) Chloroform	4.272	83	481080	49.490	ug/L	100

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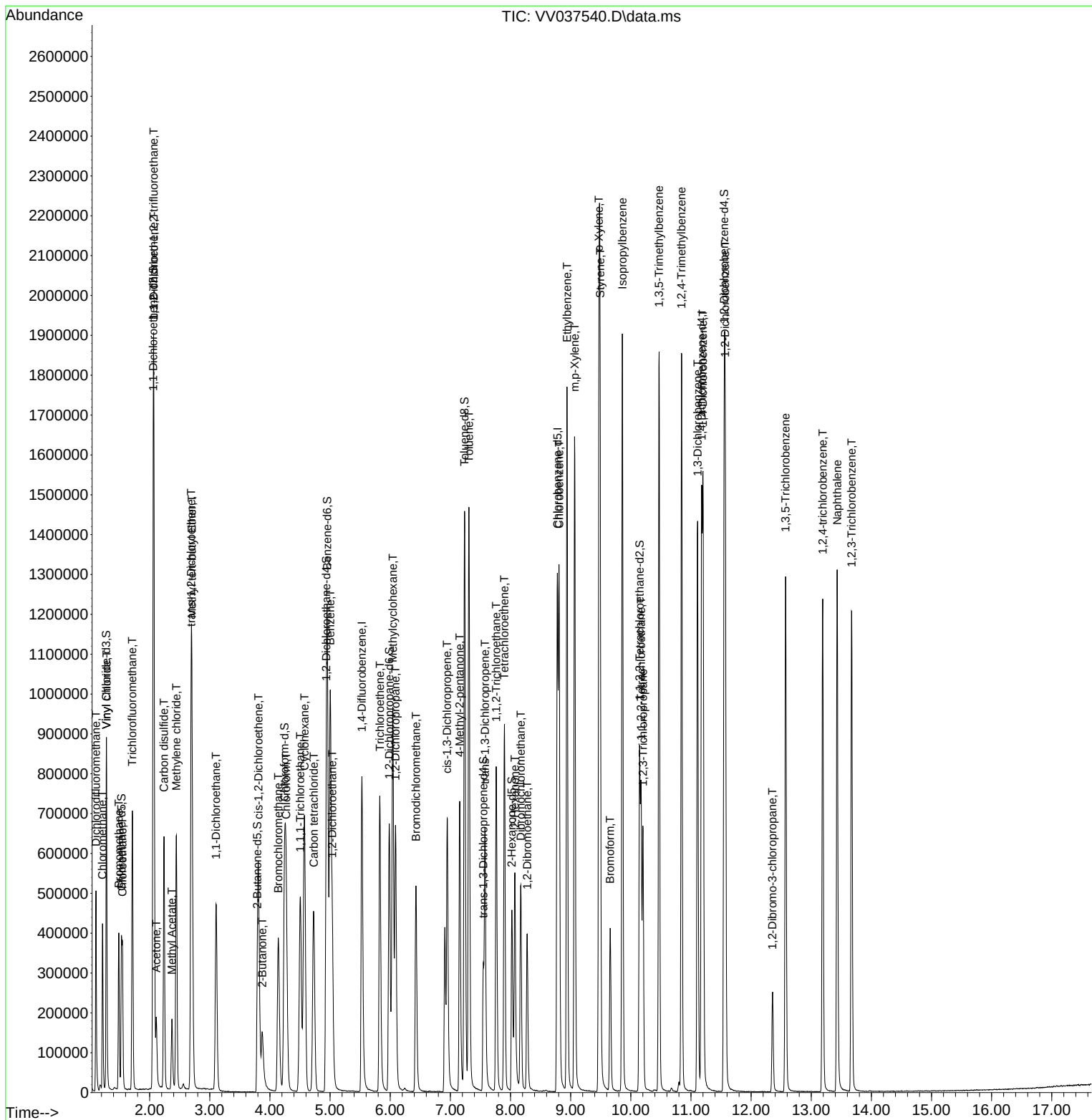
Instrument :
 MSVOA_V
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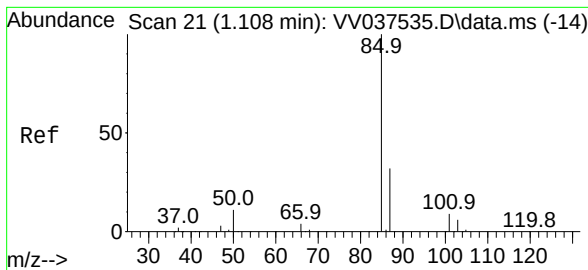
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	347935	50.701	ug/L	99
29) Cyclohexane	4.574	56	383223	50.588	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	412121	50.152	ug/L	100
31) Carbon tetrachloride	4.728	117	357345	50.018	ug/L	100
33) Benzene	5.005	78	1031222	51.249	ug/L	100
34) Trichloroethene	5.828	95	271159	50.602	ug/L	98
35) Methylcyclohexane	6.043	83	419478	50.885	ug/L	99
37) 1,2-Dichloropropane	6.088	63	268062	51.590	ug/L	100
38) Bromodichloromethane	6.429	83	352653	50.771	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	441343	53.210	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	466310	110.222	ug/L	99
42) Toluene	7.310	91	1089825	52.244	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	385382	51.609	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	256676	51.446	ug/L	99
46) Tetrachloroethene	7.899	164	200082	48.835	ug/L	98
48) 2-Hexanone	8.072	43	341679	103.864	ug/L	99
49) Dibromochloromethane	8.172	129	273392	51.774	ug/L	100
50) 1,2-Dibromoethane	8.278	107	265535	51.487	ug/L	99
51) Chlorobenzene	8.809	112	709410	49.916	ug/L	99
52) Ethylbenzene	8.940	91	1208112	51.450	ug/L	99
53) m,p-Xylene	9.066	106	461433	52.802	ug/L	99
54) o-Xylene	9.471	106	448751	52.598	ug/L	97
55) Styrene	9.490	104	798051	53.732	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	363710	52.287	ug/L	98
59) Bromoform	9.657	173	179314	51.734	ug/L	98
60) Isopropylbenzene	9.860	105	1202222	52.144	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	260804	51.683	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	970367	53.235	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	979109	53.986	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	562624	50.698	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	586377	50.743	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	564410	51.447	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	65926	53.820	ug/L	93
69) 1,3,5-Trichlorobenzene	12.574	180	386143	50.598	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	359145	50.723	ug/L	99
71) Naphthalene	13.432	128	1035375	55.969	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	362459	51.838	ug/L	99

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

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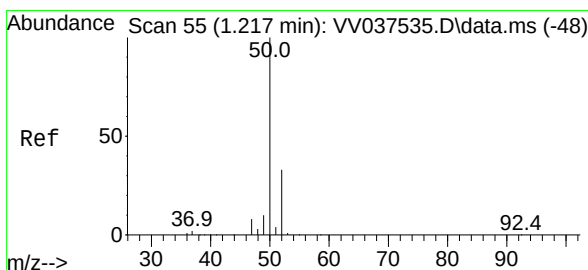
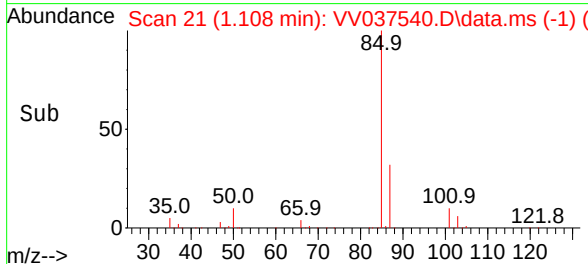
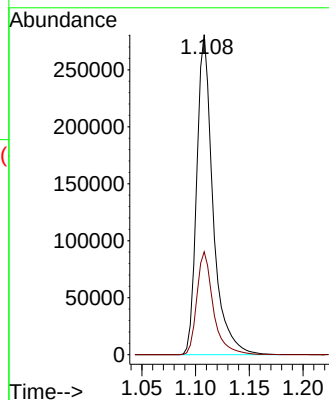
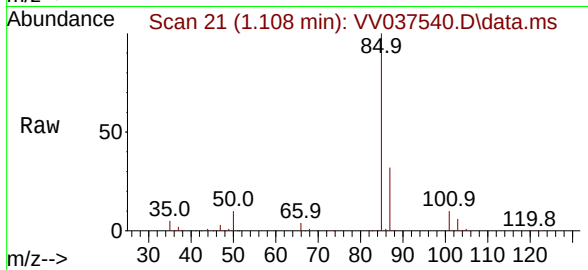




#2
 Dichlorodifluoromethane
 Concen: 49.841 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037540.D
 Acq: 26 Sep 2024 12:02

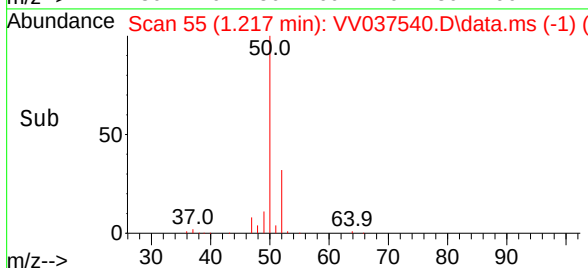
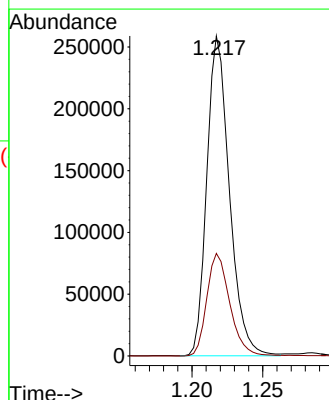
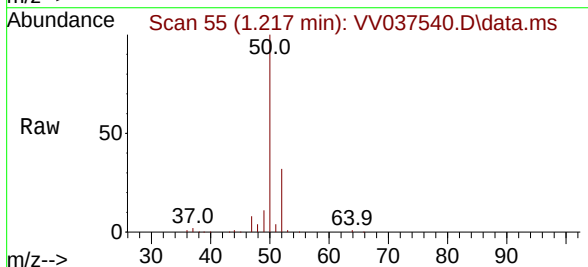
Instrument :
 MSVOA_V
 ClientSampleId :

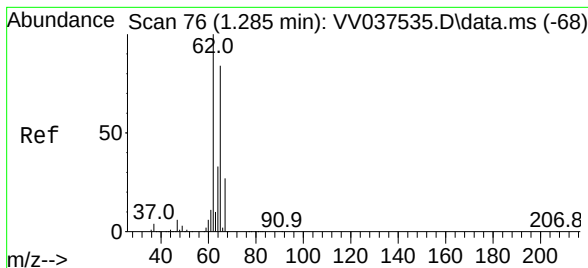
Tgt Ion: 85 Resp: 295217
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.8



#3
 Chloromethane
 Concen: 49.859 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037540.D
 Acq: 26 Sep 2024 12:02

Tgt Ion: 50 Resp: 286710
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.2 43.2





#5

Vinyl chloride

Concen: 49.540 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

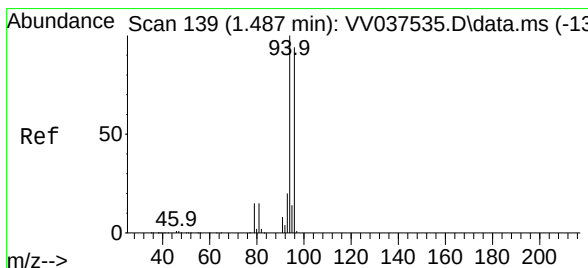
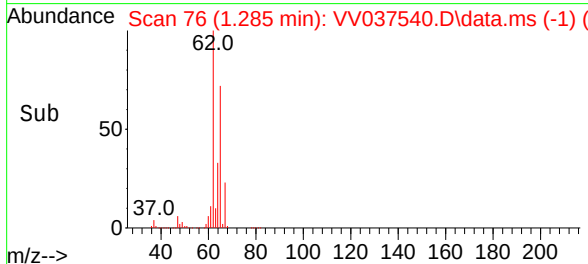
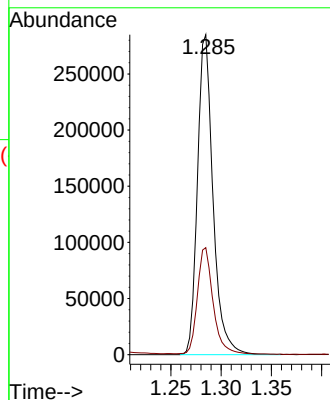
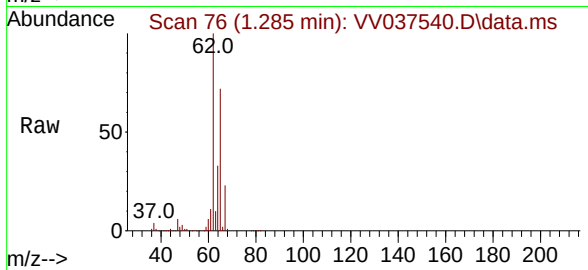
ClientSampleId :

Tgt Ion: 62 Resp: 305407

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 51.086 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037540.D

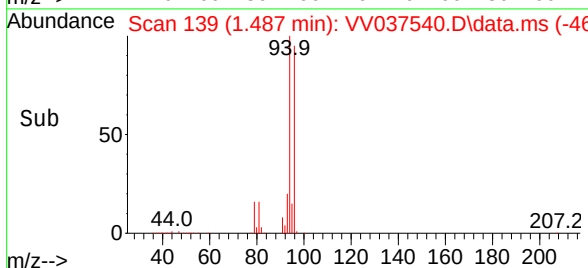
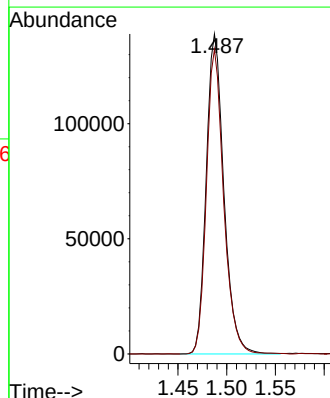
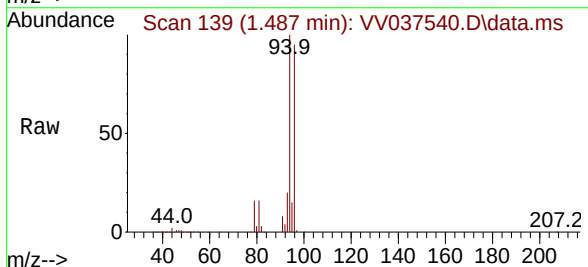
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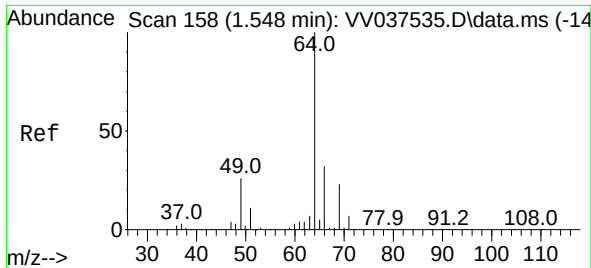
Tgt Ion: 94 Resp: 174777

Ion Ratio Lower Upper

94 100

96 95.2 65.8 122.2

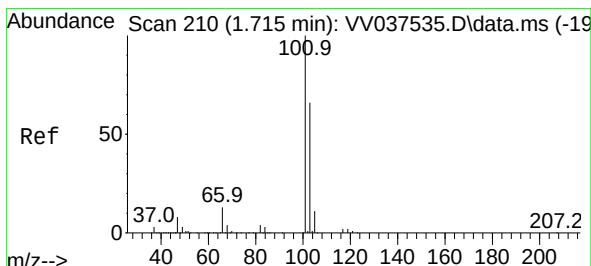
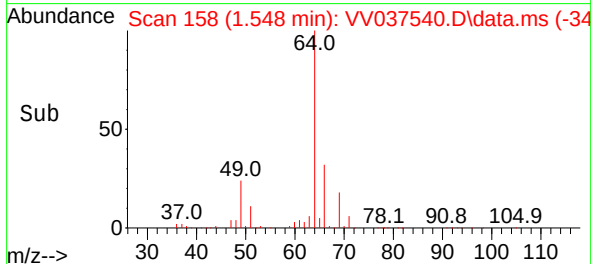
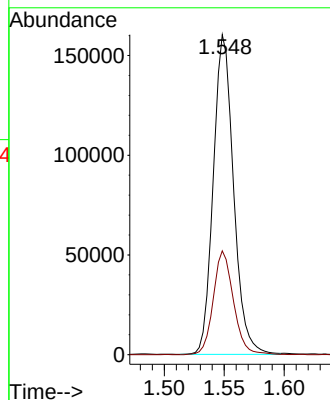
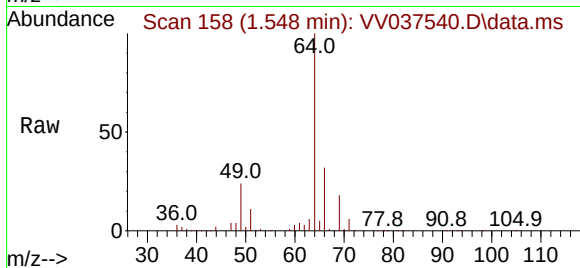




#8
Chloroethane
Concen: 49.500 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

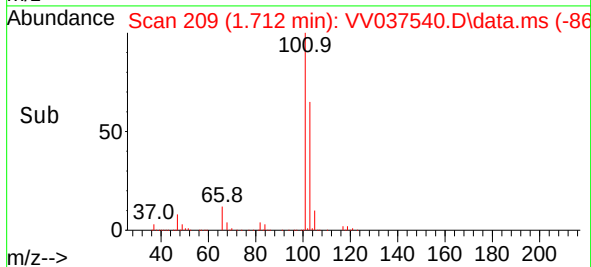
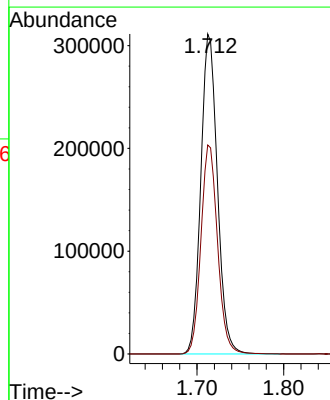
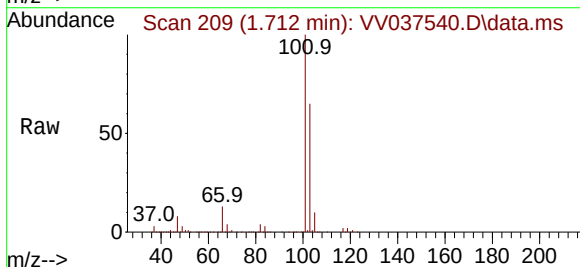
Instrument :
MSVOA_V
ClientSampleId :

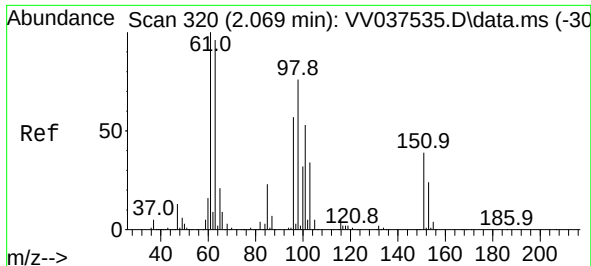
Tgt Ion: 64 Resp: 188088
Ion Ratio Lower Upper
64 100
66 32.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 49.827 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion:101 Resp: 413480
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4





#10

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

Concen: 49.432 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

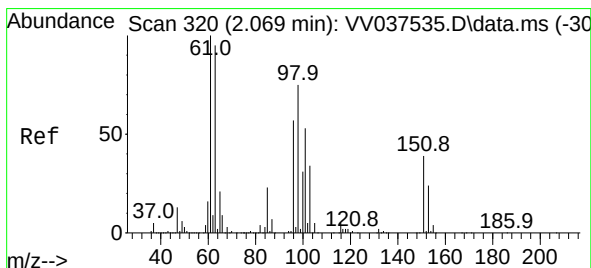
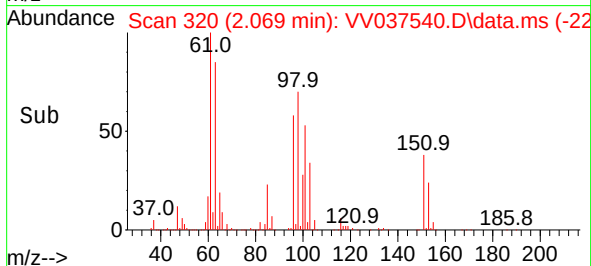
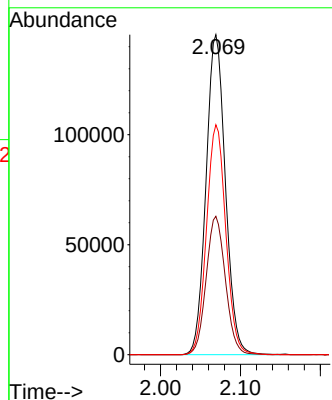
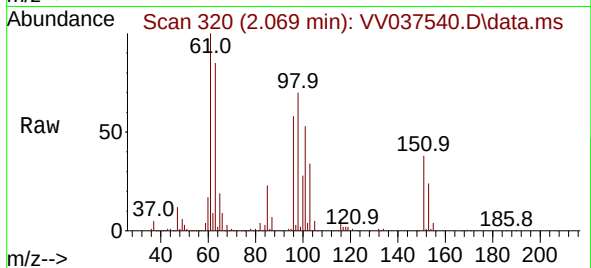
Tgt Ion:101 Resp: 245122

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

151 71.5 57.5 86.3



#12

1,1-Dichloroethene

Concen: 49.615 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

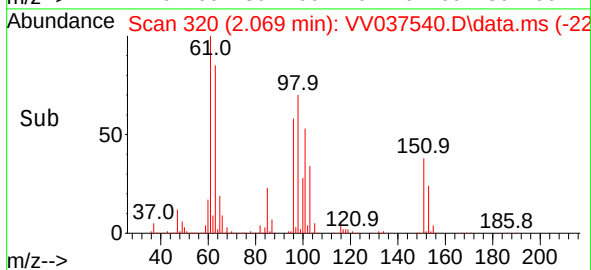
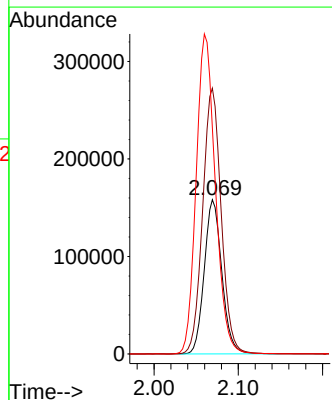
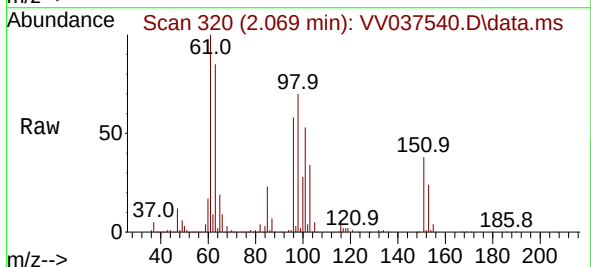
Tgt Ion: 96 Resp: 229820

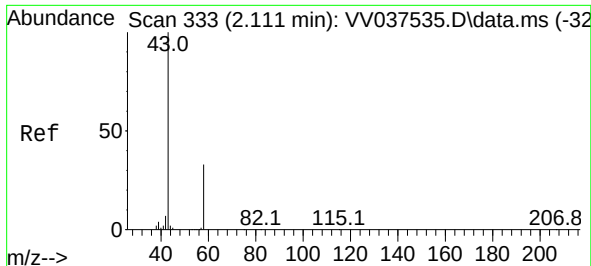
Ion Ratio Lower Upper

96 100

61 172.4 122.6 227.6

63 146.7 118.0 219.2





#13

Acetone

Concen: 79.668 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

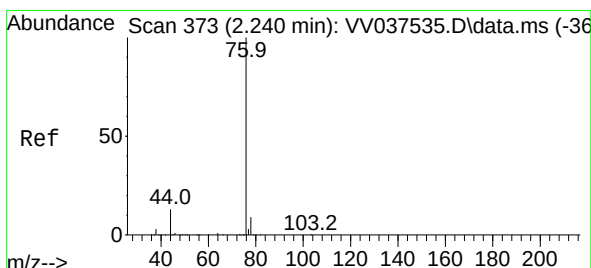
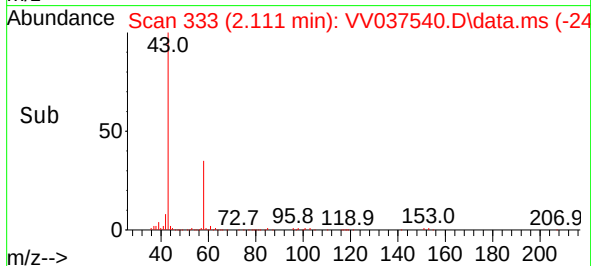
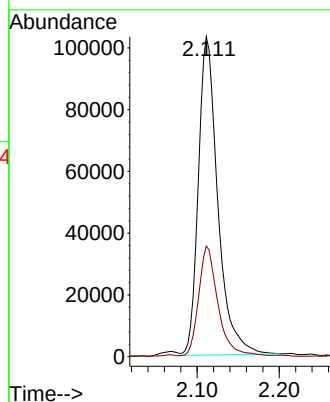
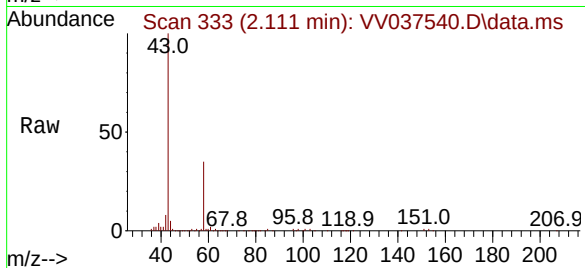
ClientSampleId :

Tgt Ion: 43 Resp: 169902

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.6



#14

Carbon disulfide

Concen: 49.103 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV037540.D

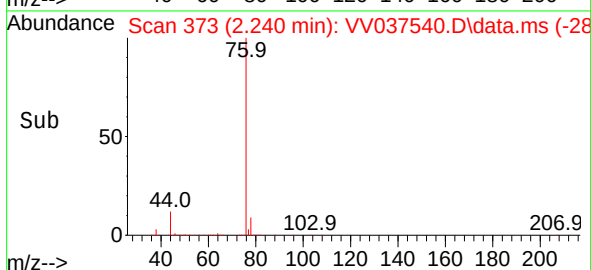
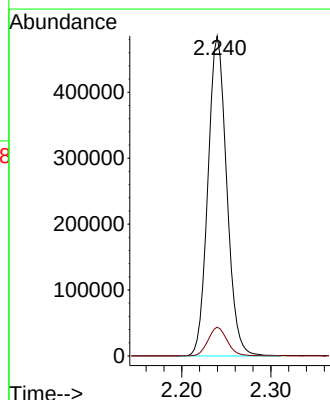
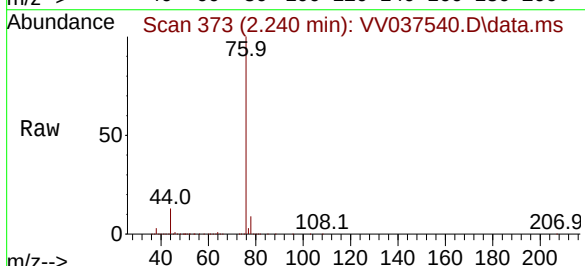
Acq: 26 Sep 2024 12:02

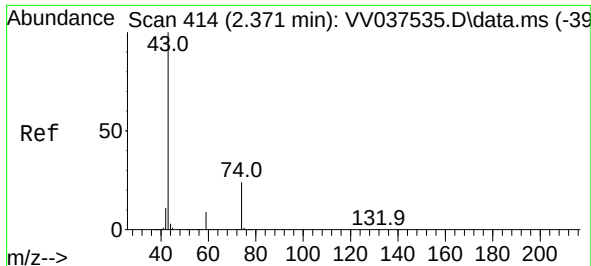
Tgt Ion: 76 Resp: 709977

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 51.269 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

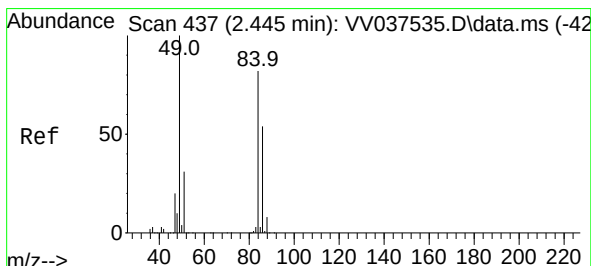
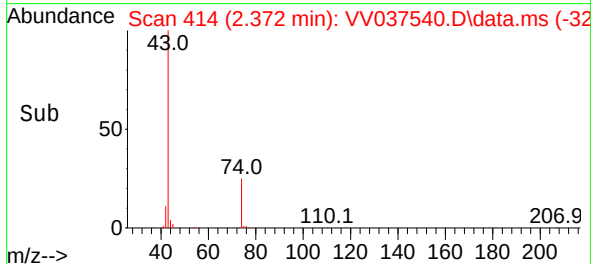
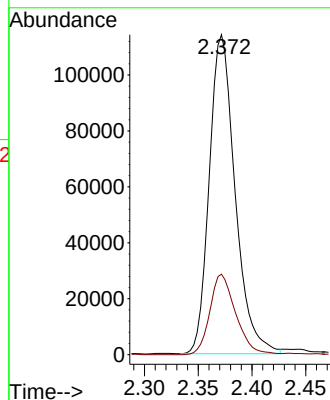
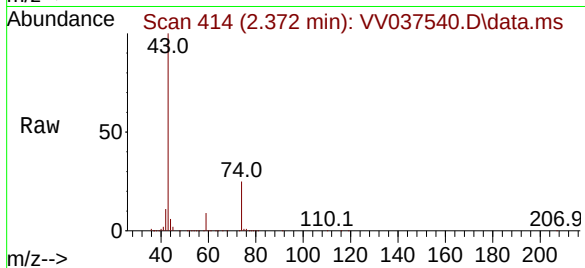
ClientSampleId :

Tgt Ion: 43 Resp: 190808

Ion Ratio Lower Upper

43 100

74 25.2 19.4 29.0



#16

Methylene chloride

Concen: 49.005 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

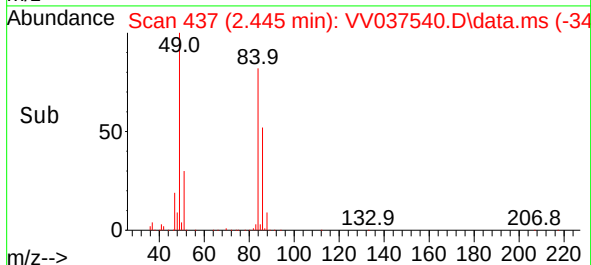
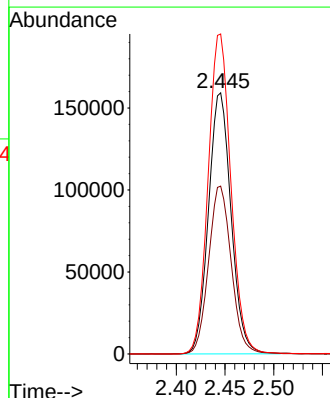
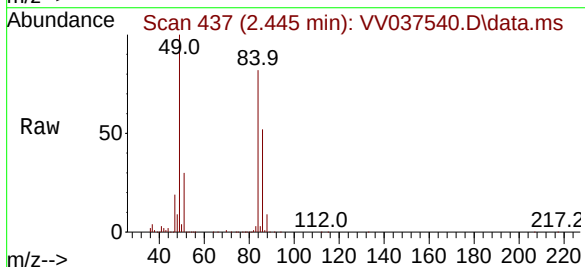
Tgt Ion: 84 Resp: 257020

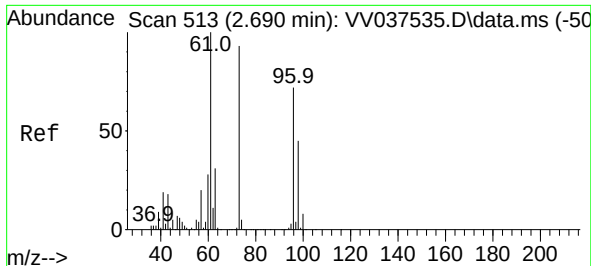
Ion Ratio Lower Upper

84 100

86 64.3 46.4 86.2

49 122.5 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 50.395 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

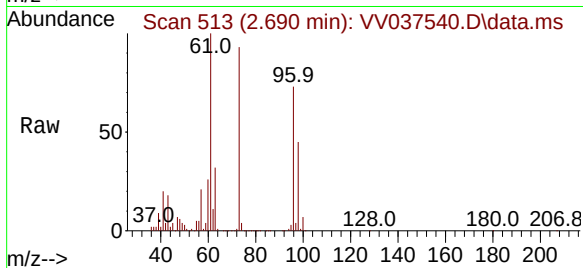
Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :



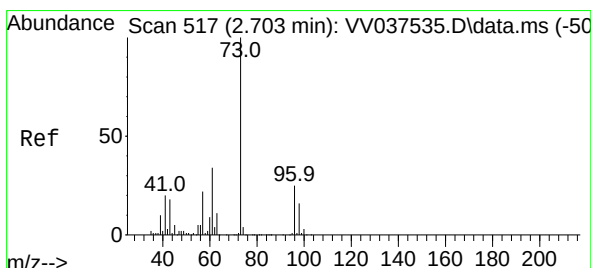
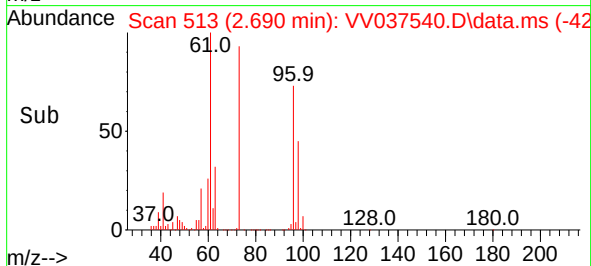
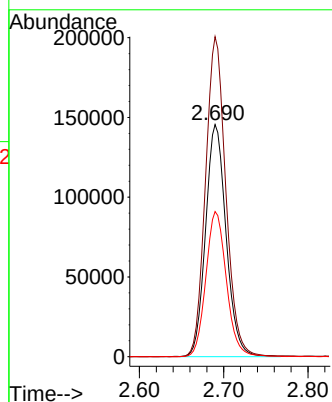
Tgt Ion: 96 Resp: 246950

Ion Ratio Lower Upper

96 100

61 137.9 97.3 180.7

98 62.5 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 51.323 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

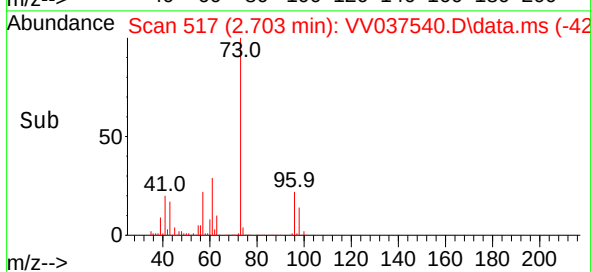
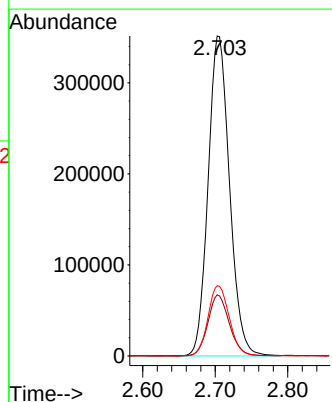
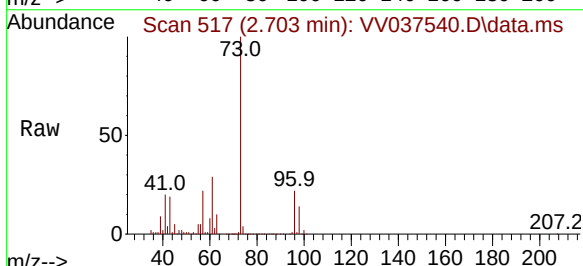
Tgt Ion: 73 Resp: 721548

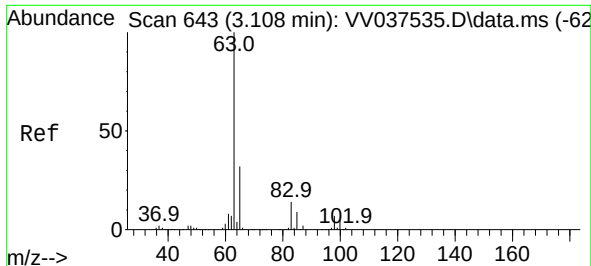
Ion Ratio Lower Upper

73 100

43 18.9 15.1 22.7

57 21.9 17.4 26.2

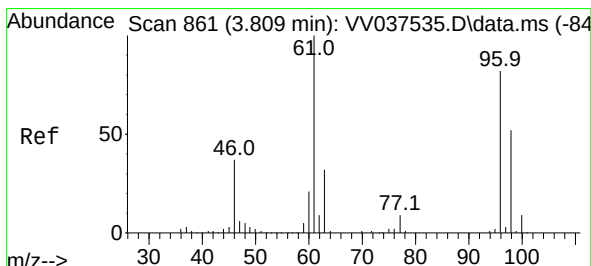
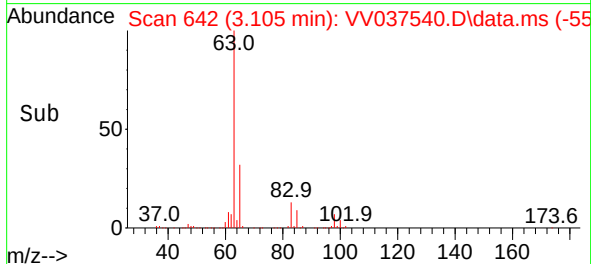
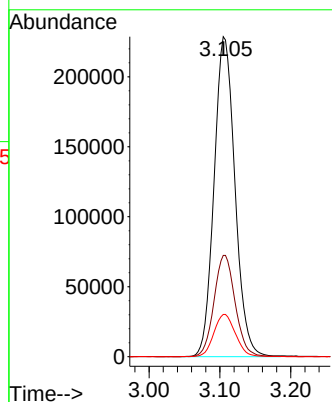
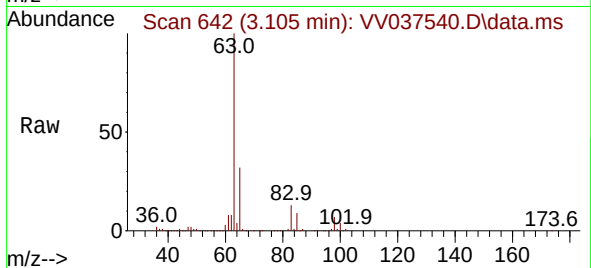




#19
1,1-Dichloroethane
Concen: 49.855 ug/L
RT: 3.105 min Scan# 643
Delta R.T. -0.003 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

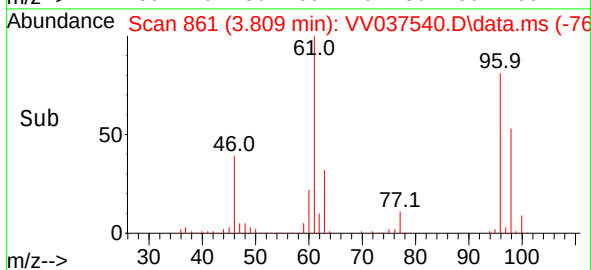
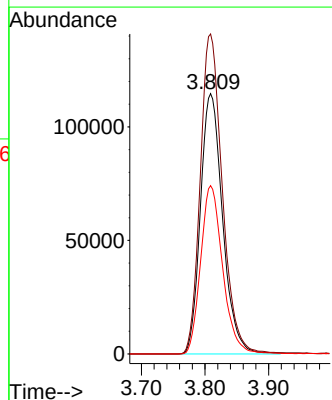
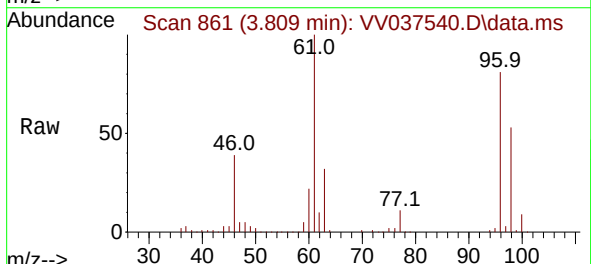
Instrument :
MSVOA_V
ClientSampleId :

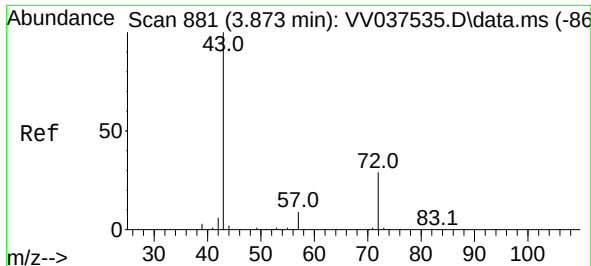
Tgt Ion: 63 Resp: 468081
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 13.2 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 50.659 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion: 96 Resp: 277800
Ion Ratio Lower Upper
96 100
61 122.9 85.0 157.8
98 64.7 44.2 82.0

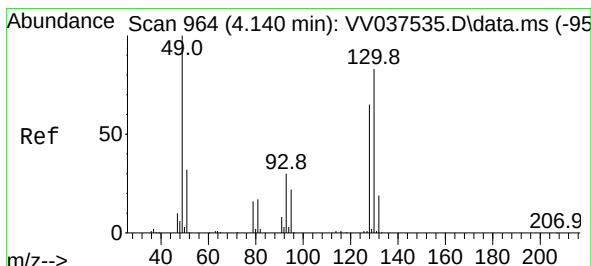
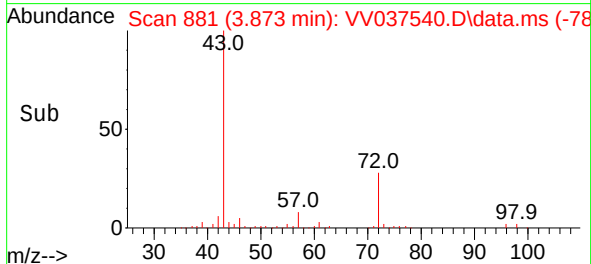
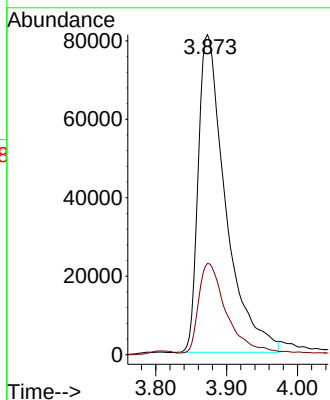
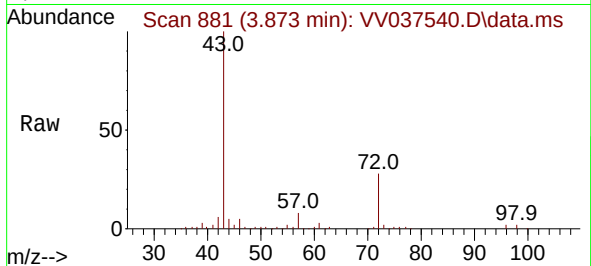




#22
2-Butanone
Concen: 92.051 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

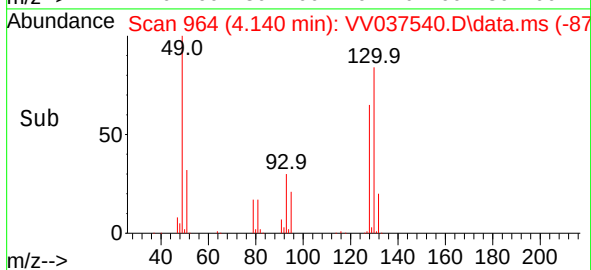
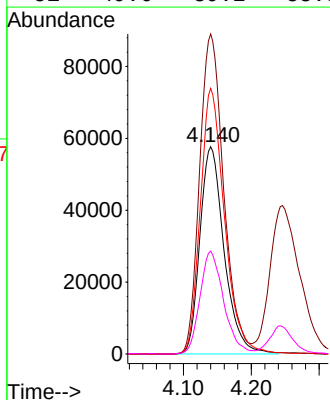
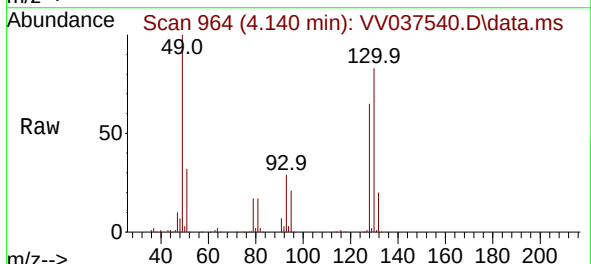
Instrument :
MSVOA_V
ClientSampleId :

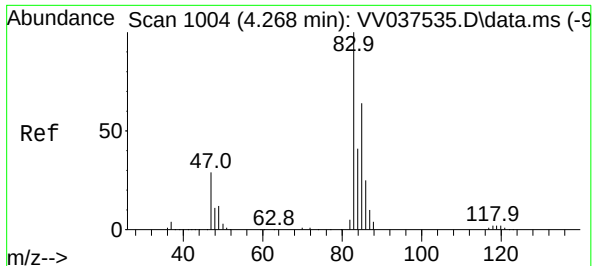
Tgt Ion: 43 Resp: 217284
Ion Ratio Lower Upper
43 100
72 27.7 14.3 42.9



#23
Bromochloromethane
Concen: 50.407 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion:128 Resp: 142984
Ion Ratio Lower Upper
128 100
49 154.4 108.7 201.9
130 128.2 90.4 168.0
51 49.6 39.2 58.8





#25

Chloroform

Concen: 49.490 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

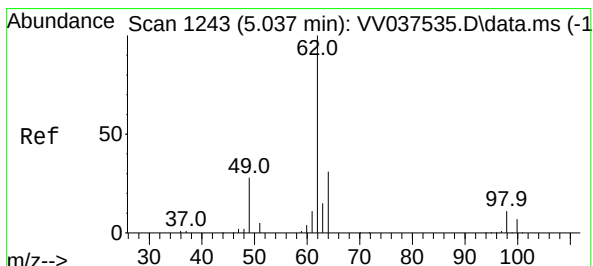
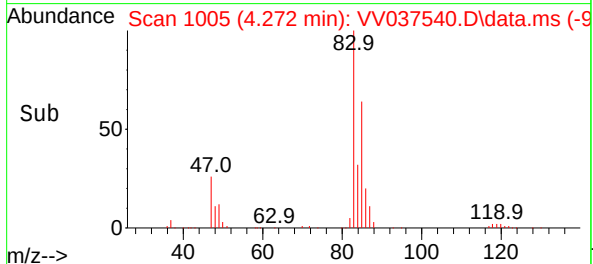
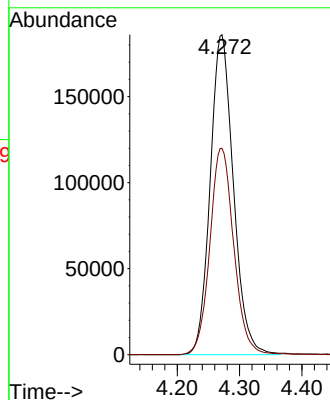
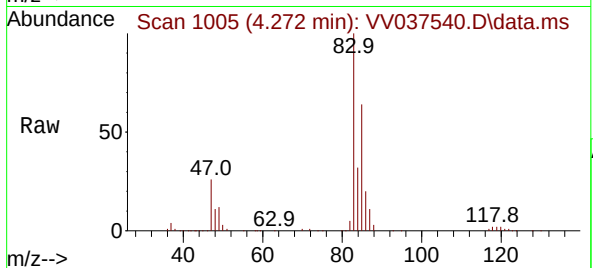
ClientSampleId :

Tgt Ion: 83 Resp: 481080

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7



#27

1,2-Dichloroethane

Concen: 50.701 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV037540.D

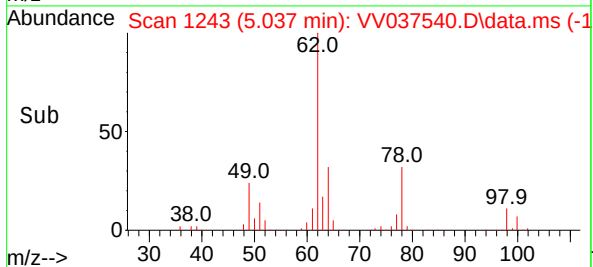
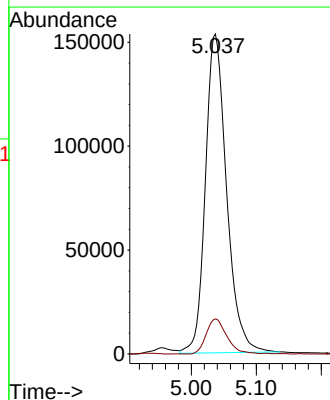
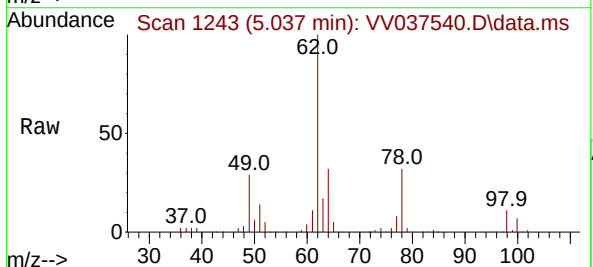
Acq: 26 Sep 2024 12:02

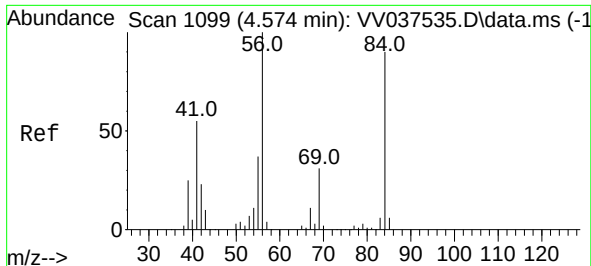
Tgt Ion: 62 Resp: 347935

Ion Ratio Lower Upper

62 100

98 11.0 8.4 12.6





#29

Cyclohexane

Concen: 50.588 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

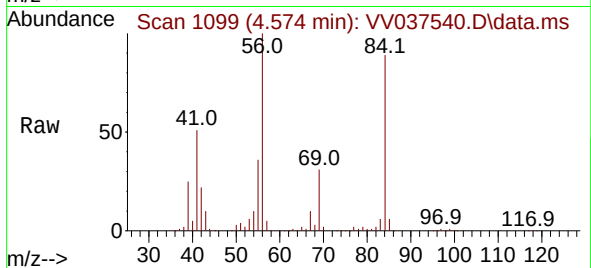
Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :



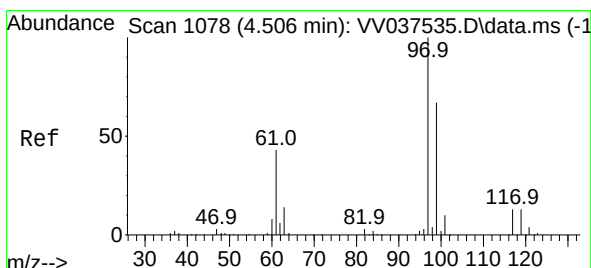
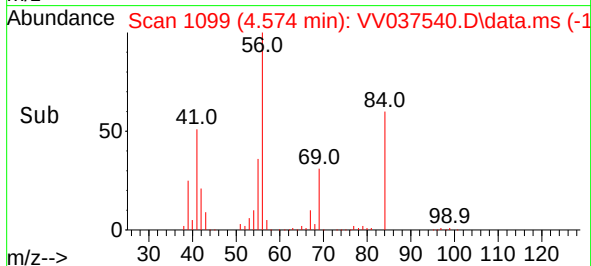
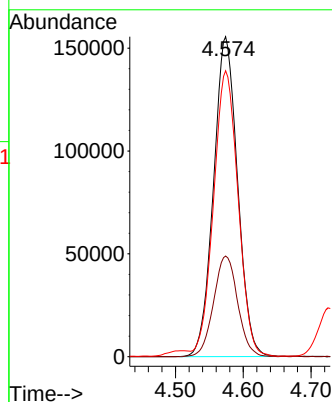
Tgt Ion: 56 Resp: 383223

Ion Ratio Lower Upper

56 100

69 31.6 24.7 37.1

84 91.0 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 50.152 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

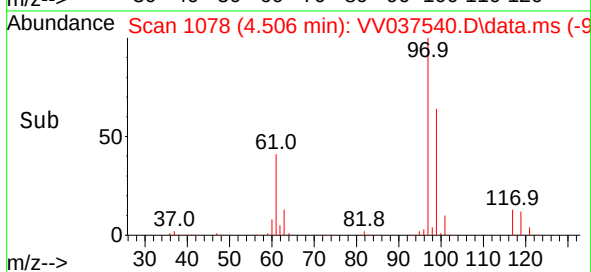
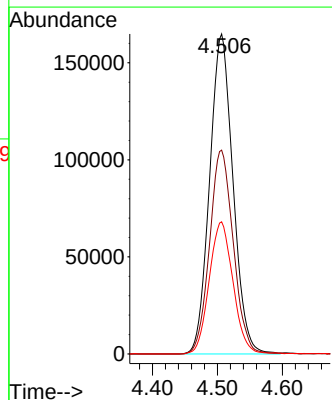
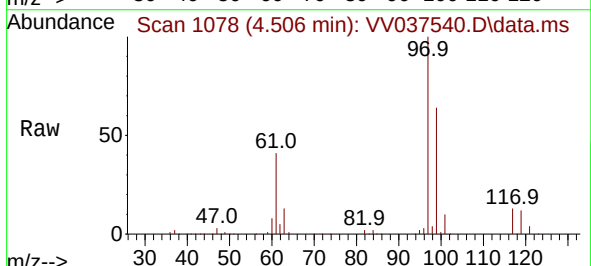
Tgt Ion: 97 Resp: 412121

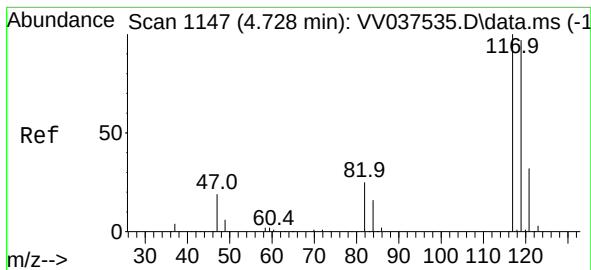
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 42.0 33.6 50.4





#31

Carbon tetrachloride

Concen: 50.018 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

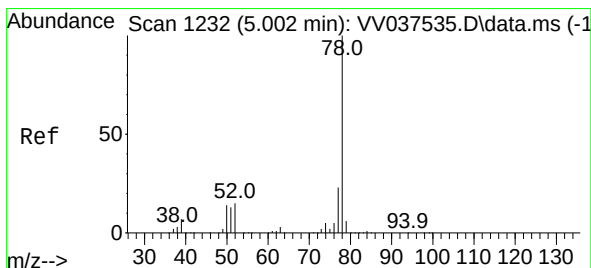
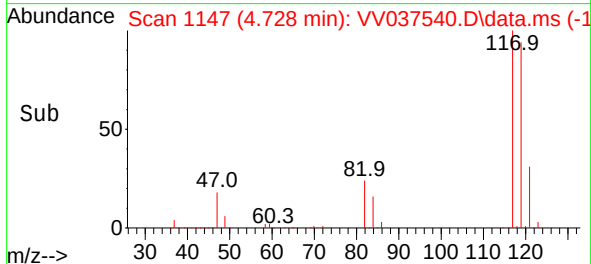
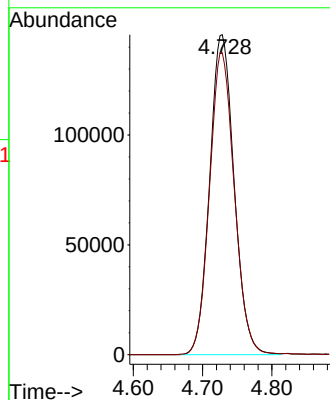
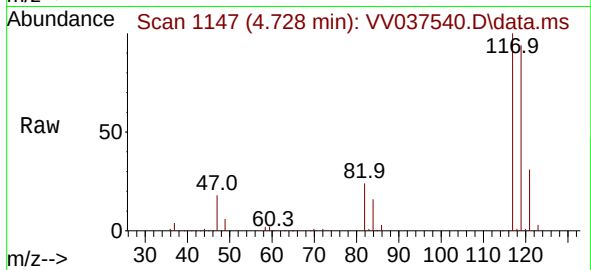
ClientSampleId :

Tgt Ion:117 Resp: 357345

Ion Ratio Lower Upper

117 100

119 95.7 76.9 115.3



#33

Benzene

Concen: 51.249 ug/L

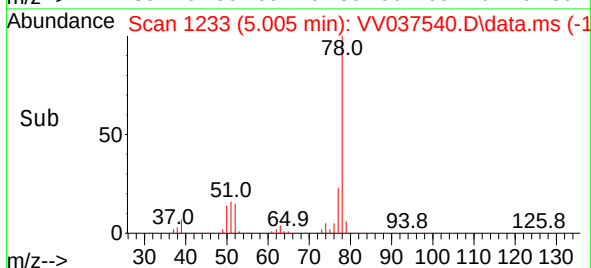
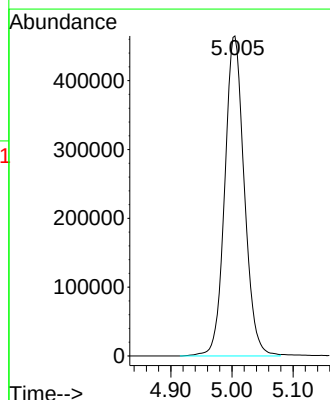
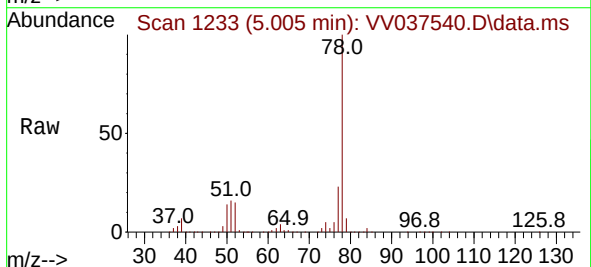
RT: 5.005 min Scan# 1233

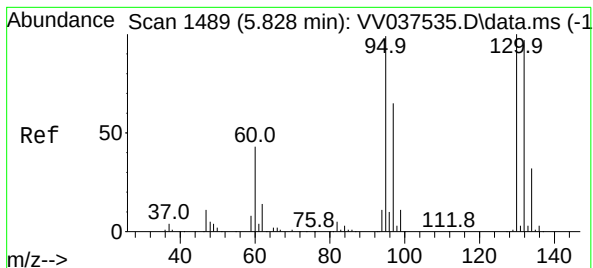
Delta R.T. 0.003 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Tgt Ion: 78 Resp: 1031222





#34

Trichloroethene

Concen: 50.602 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 271159

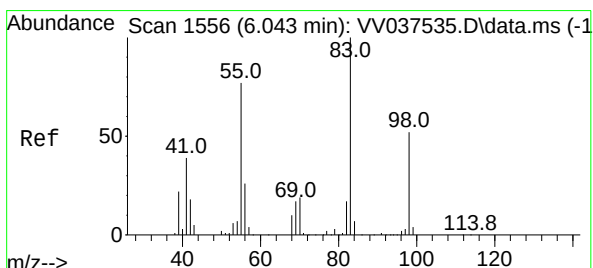
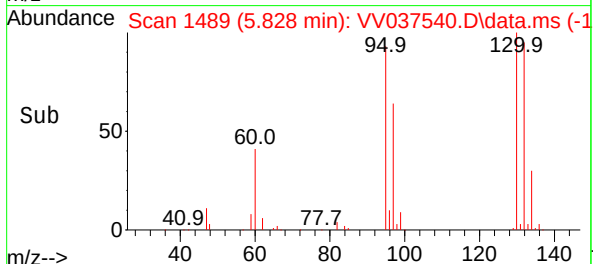
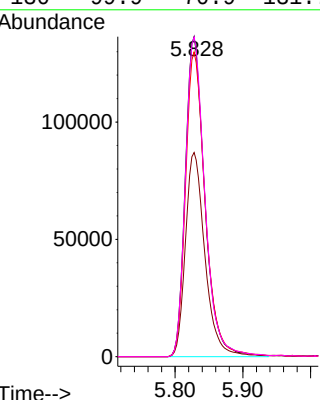
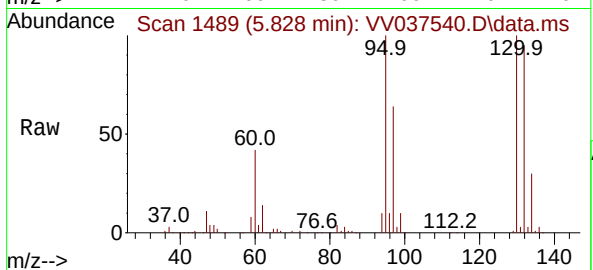
Ion Ratio Lower Upper

95 100

97 63.8 46.3 85.9

132 95.3 68.6 127.4

130 99.9 70.9 131.7



#35

Methylcyclohexane

Concen: 50.885 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

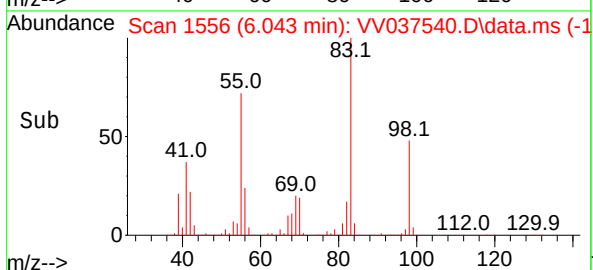
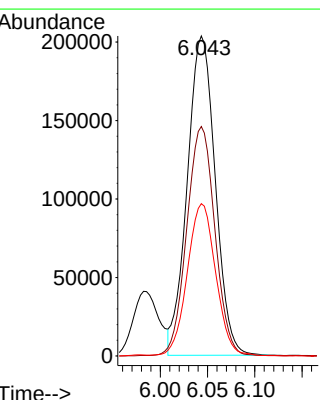
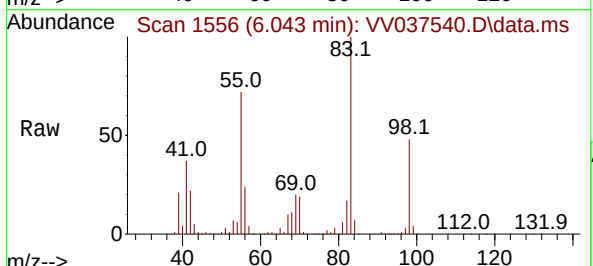
Tgt Ion: 83 Resp: 419478

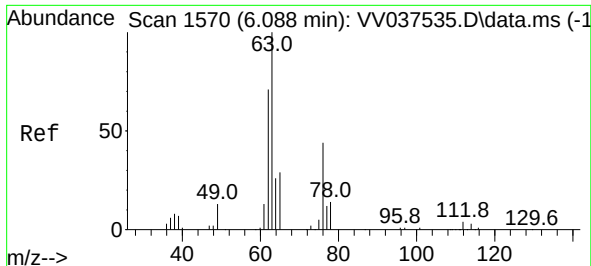
Ion Ratio Lower Upper

83 100

55 72.0 57.9 86.9

98 48.3 39.3 58.9

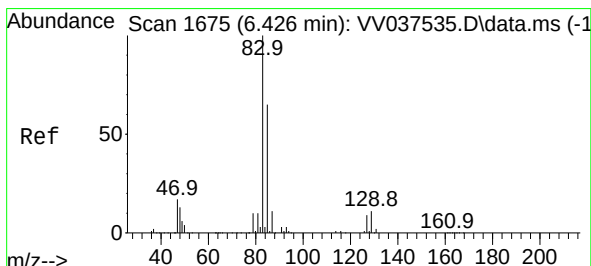
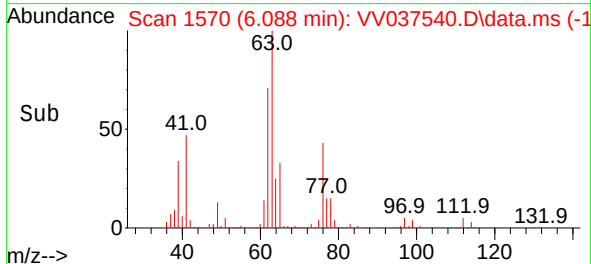
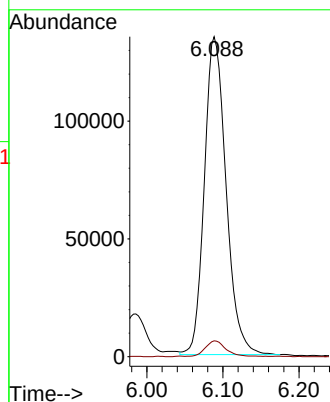
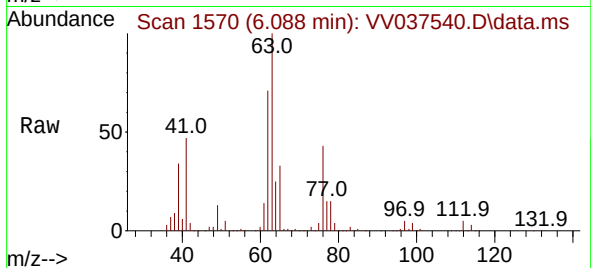




#37
1,2-Dichloropropane
Concen: 51.590 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

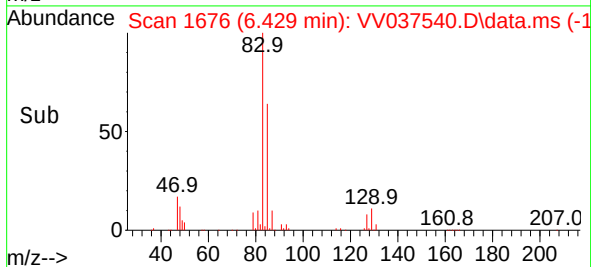
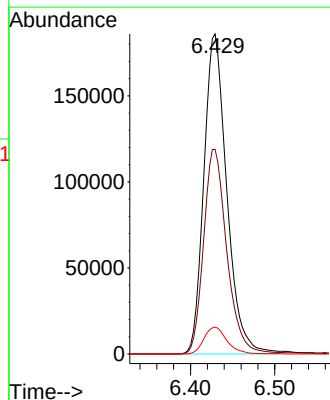
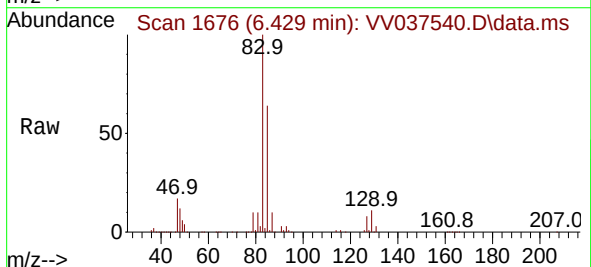
Instrument :
MSVOA_V
ClientSampleId :

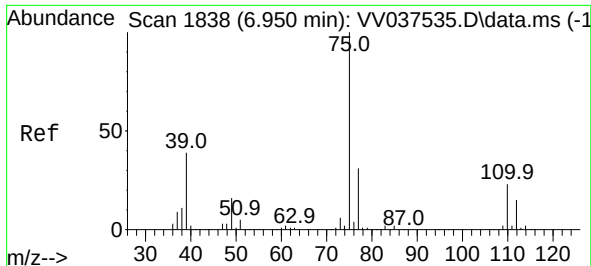
Tgt Ion: 63 Resp: 268062
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 50.771 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion: 83 Resp: 352653
Ion Ratio Lower Upper
83 100
85 63.9 45.7 84.9
127 8.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 53.210 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

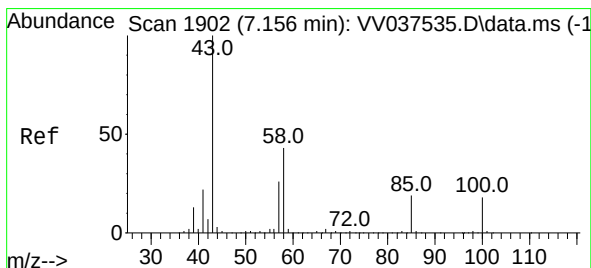
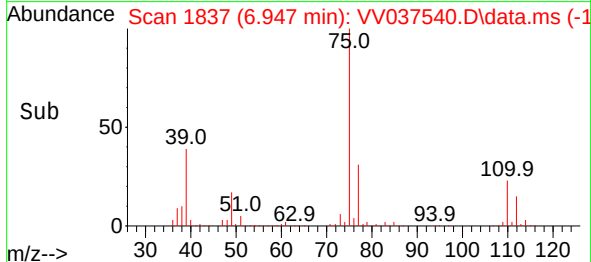
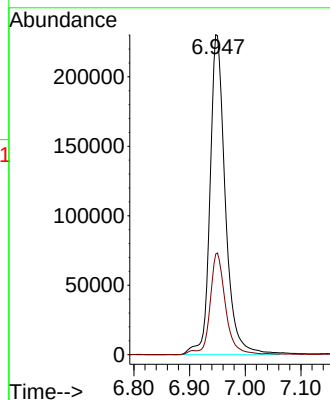
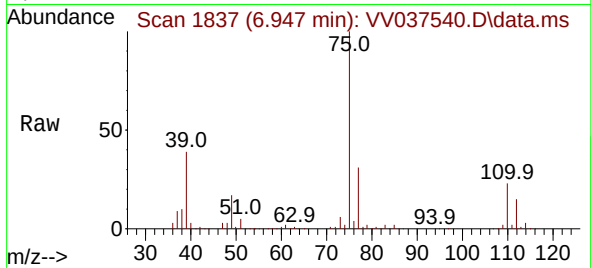
ClientSampleId :

Tgt Ion: 75 Resp: 441343

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 110.222 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

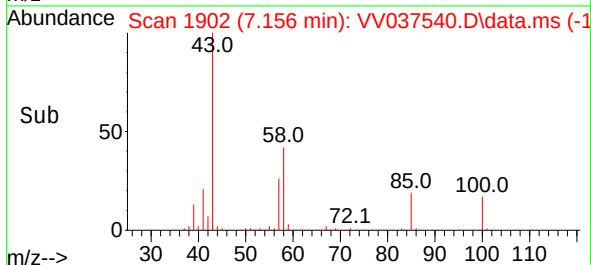
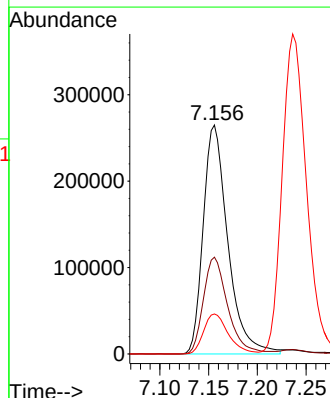
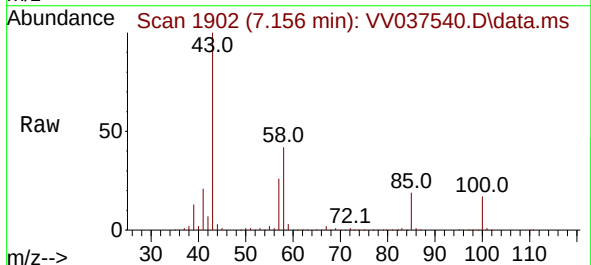
Tgt Ion: 43 Resp: 466310

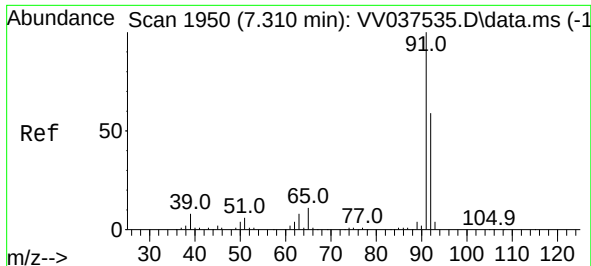
Ion Ratio Lower Upper

43 100

58 41.5 33.0 49.4

100 17.6 13.7 20.5





#42

Toluene

Concen: 52.244 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

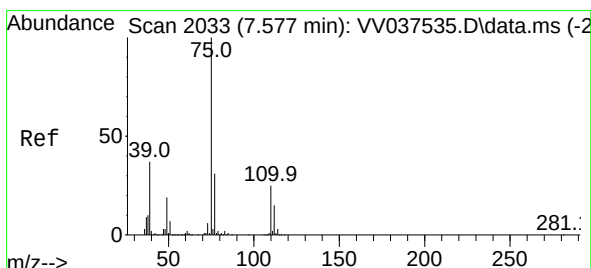
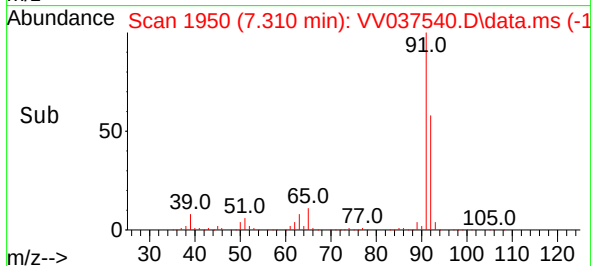
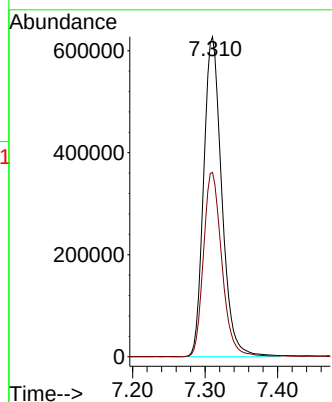
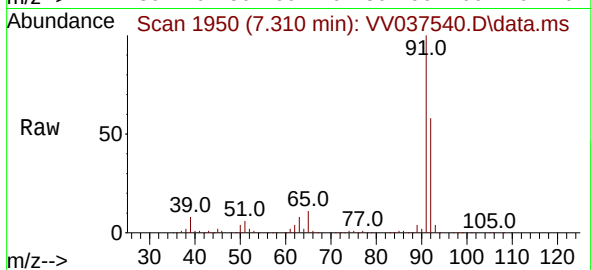
ClientSampleId :

Tgt Ion: 91 Resp: 1089825

Ion Ratio Lower Upper

91 100

92 57.6 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 51.609 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037540.D

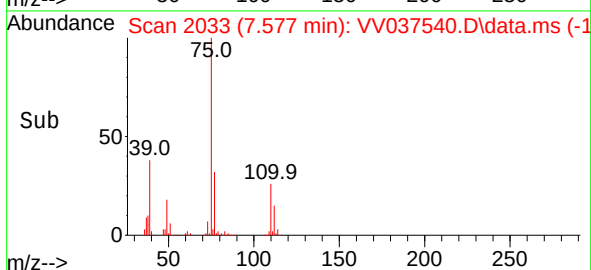
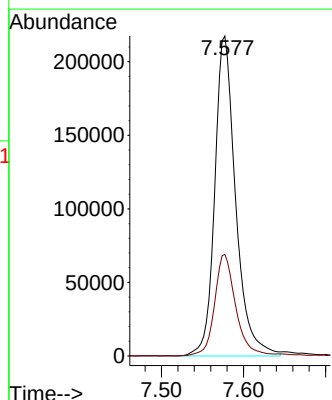
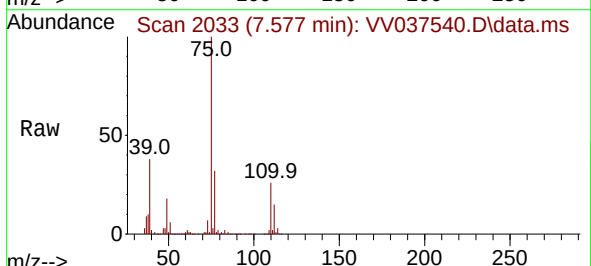
Acq: 26 Sep 2024 12:02

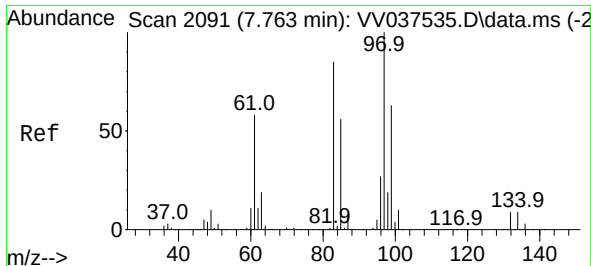
Tgt Ion: 75 Resp: 385382

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 51.446 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 256676

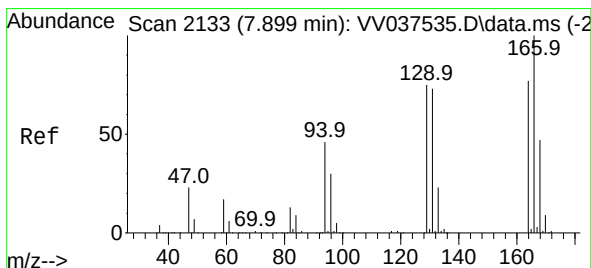
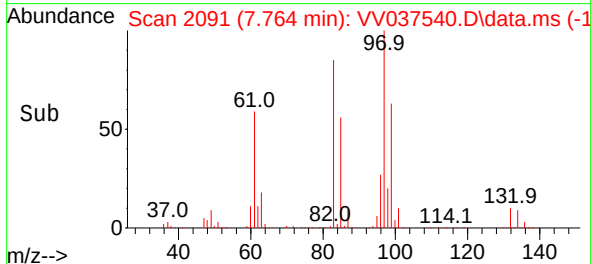
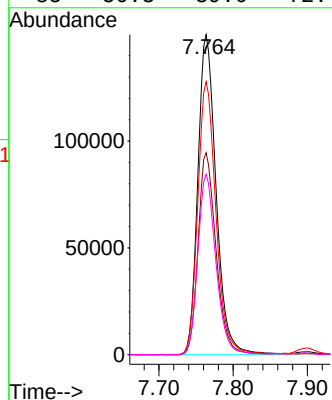
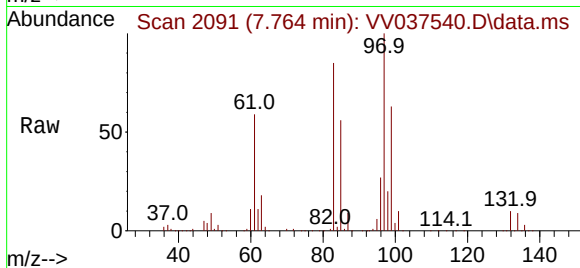
Ion Ratio Lower Upper

97 100

99 63.1 44.1 81.9

83 85.3 59.3 110.1

85 56.3 39.0 72.4



#46

Tetrachloroethene

Concen: 48.835 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Tgt Ion: 164 Resp: 200082

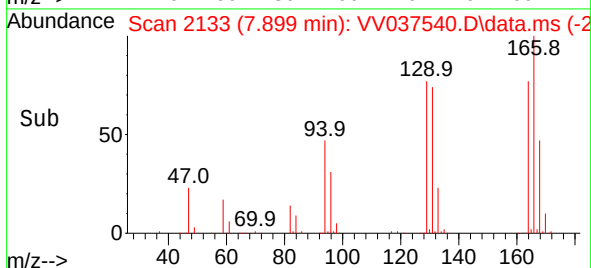
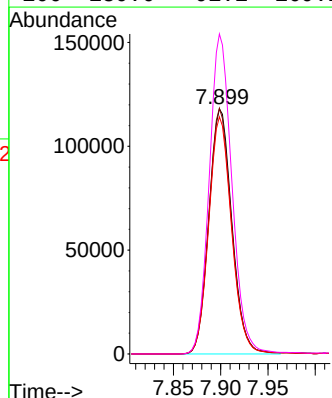
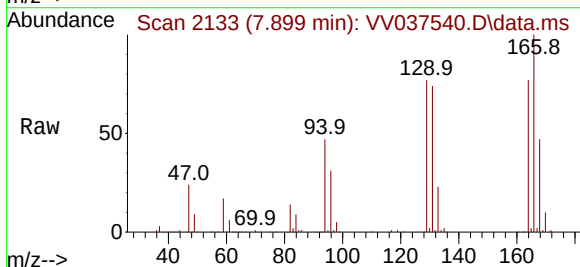
Ion Ratio Lower Upper

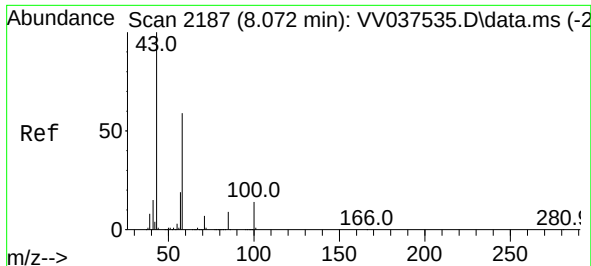
164 100

129 100.3 68.2 126.6

131 96.8 66.1 122.8

166 130.6 91.1 169.1





#48

2-Hexanone

Concen: 103.864 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

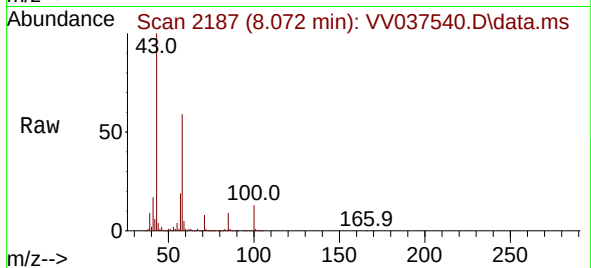
Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 341679

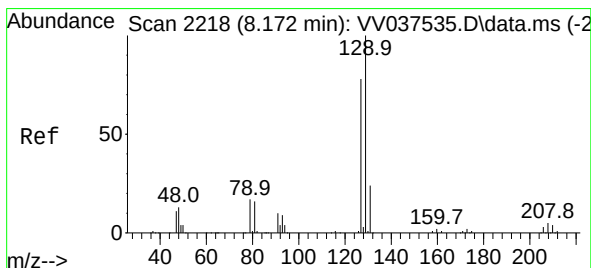
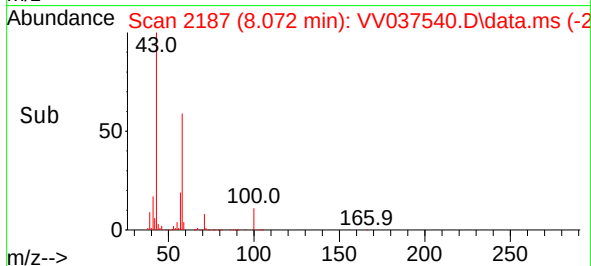
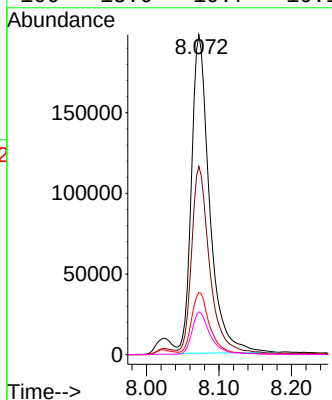
Ion Ratio Lower Upper

43 100

58 58.7 46.5 69.7

57 19.1 15.1 22.7

100 13.0 10.7 16.1



#49

Dibromochloromethane

Concen: 51.774 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV037540.D

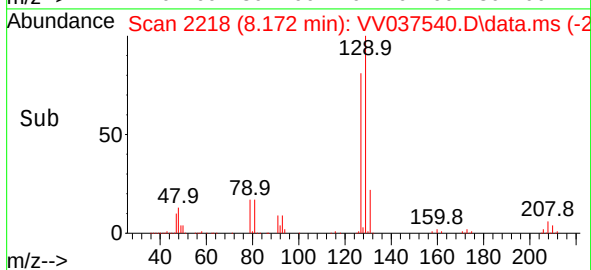
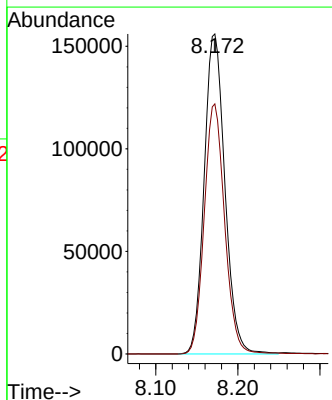
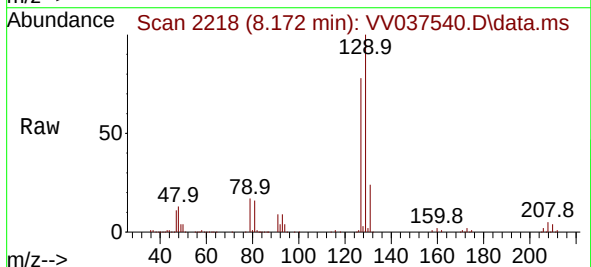
Acq: 26 Sep 2024 12:02

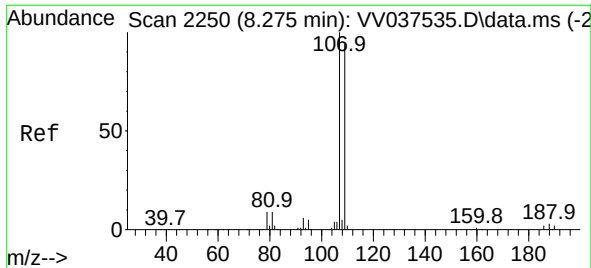
Tgt Ion:129 Resp: 273392

Ion Ratio Lower Upper

129 100

127 78.2 54.9 101.9

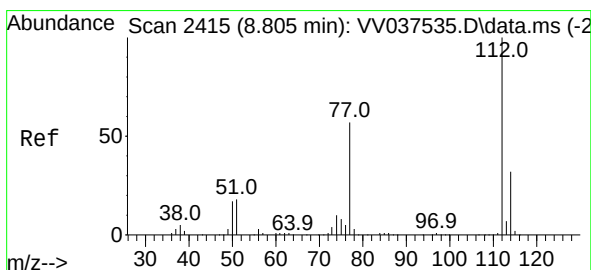
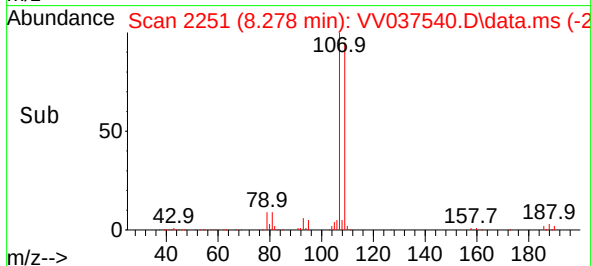
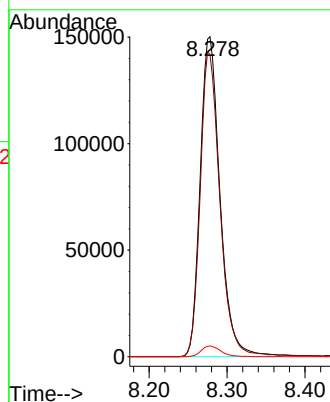
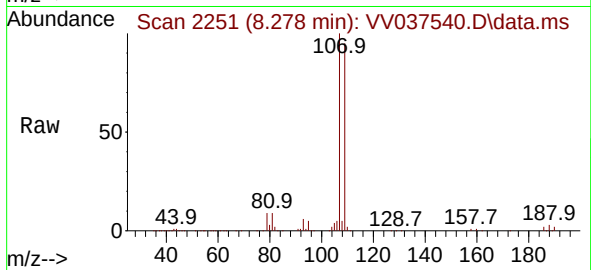




#50
1,2-Dibromoethane
Concen: 51.487 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

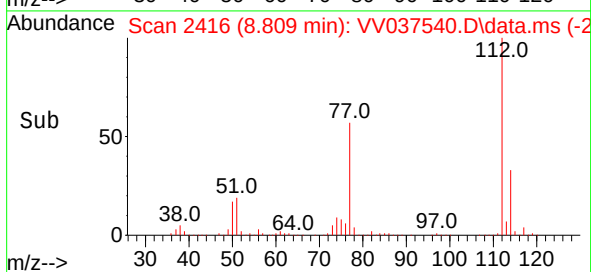
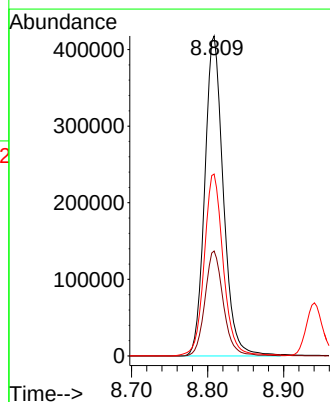
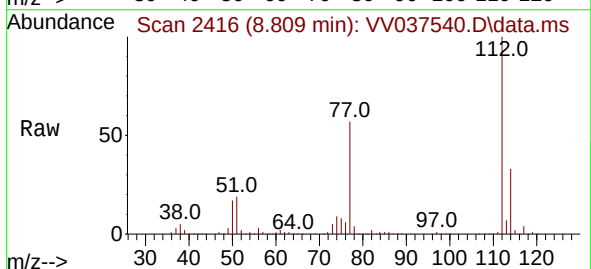
Instrument :
MSVOA_V
ClientSampleId :

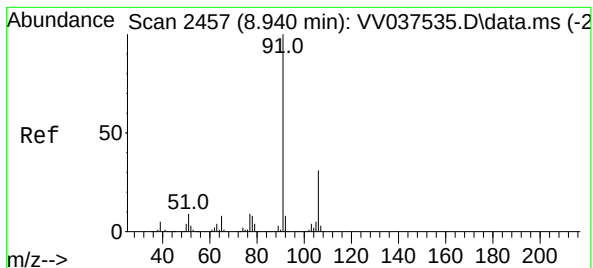
Tgt Ion:107 Resp: 265535
Ion Ratio Lower Upper
107 100
109 94.5 65.7 121.9
188 3.3 2.8 4.2



#51
Chlorobenzene
Concen: 49.916 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion:112 Resp: 709410
Ion Ratio Lower Upper
112 100
114 32.8 22.5 41.7
77 56.9 45.8 68.8





#52

Ethylbenzene

Concen: 51.450 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

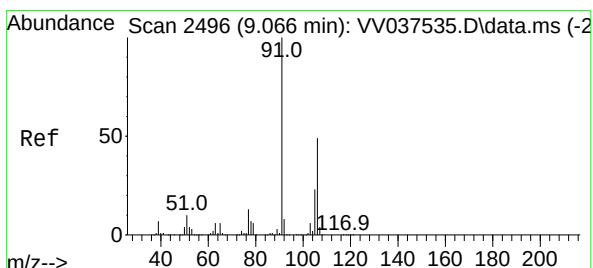
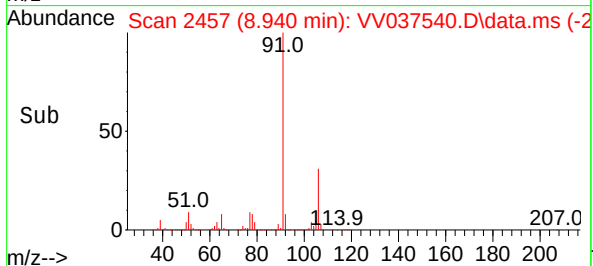
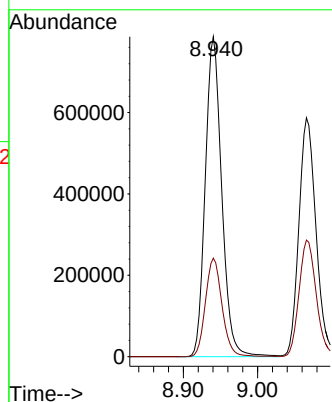
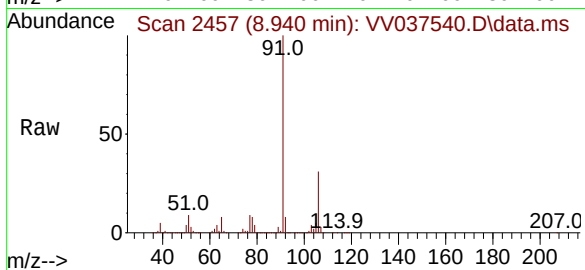
ClientSampleId :

Tgt Ion: 91 Resp: 1208112

Ion Ratio Lower Upper

91 100

106 30.8 21.9 40.7



#53

m,p-Xylene

Concen: 52.802 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037540.D

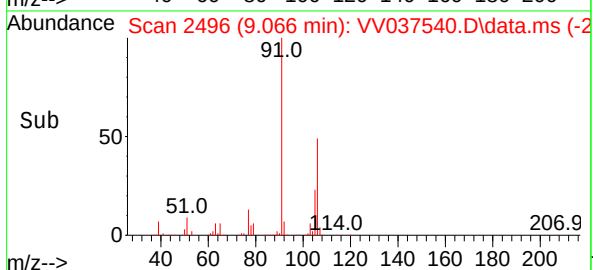
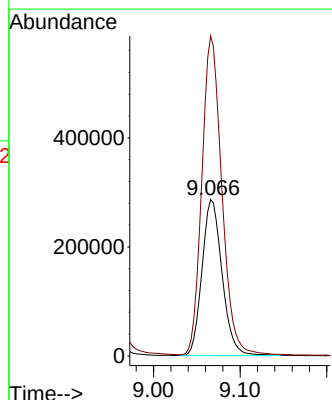
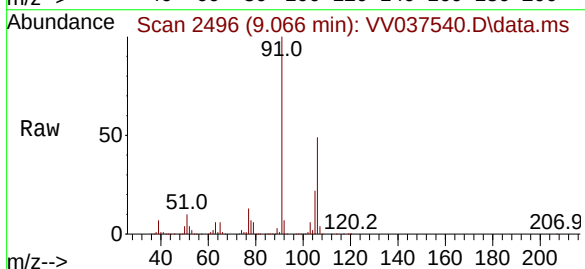
Acq: 26 Sep 2024 12:02

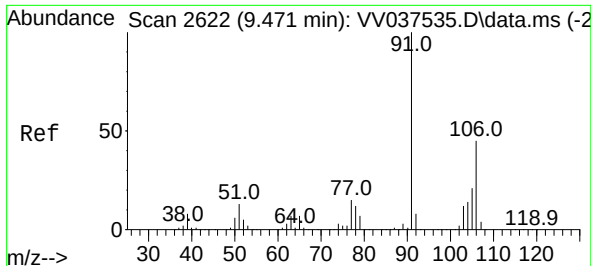
Tgt Ion:106 Resp: 461433

Ion Ratio Lower Upper

106 100

91 204.7 142.0 263.6





#54

o-Xylene

Concen: 52.598 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

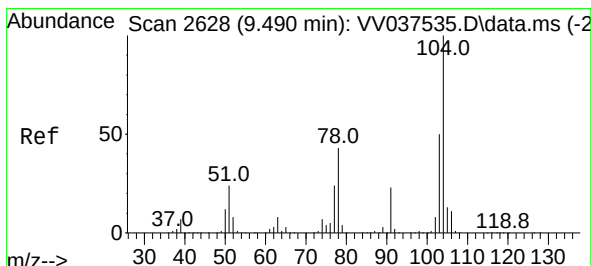
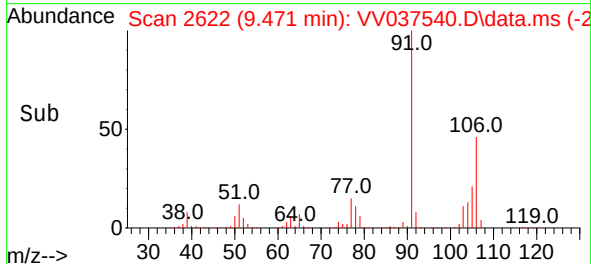
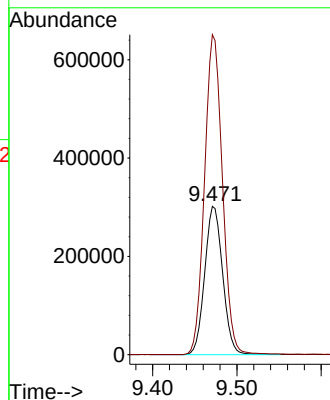
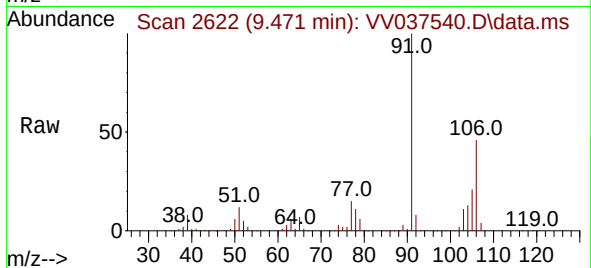
ClientSampleId :

Tgt Ion:106 Resp: 448751

Ion Ratio Lower Upper

106 100

91 215.6 153.9 285.9



#55

Styrene

Concen: 53.732 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV037540.D

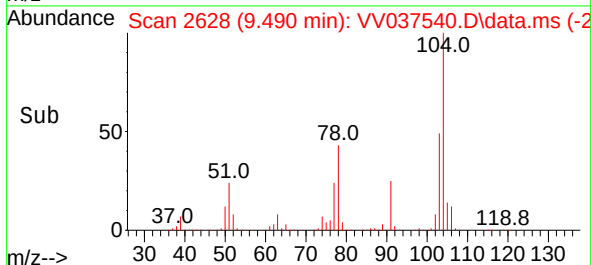
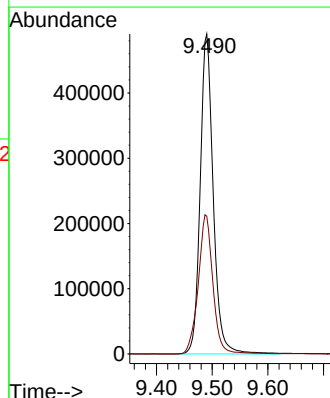
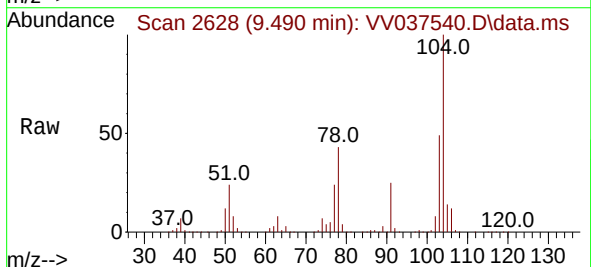
Acq: 26 Sep 2024 12:02

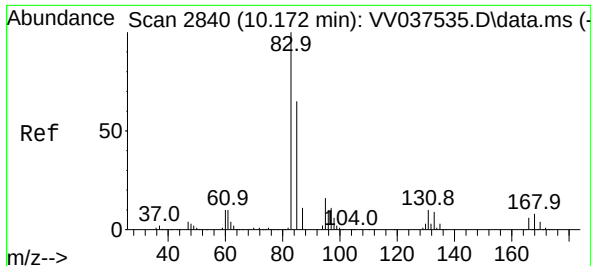
Tgt Ion:104 Resp: 798051

Ion Ratio Lower Upper

104 100

78 43.0 30.0 55.6

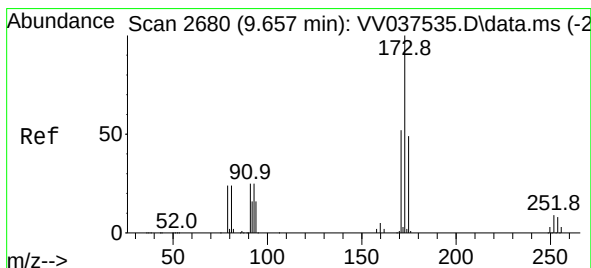
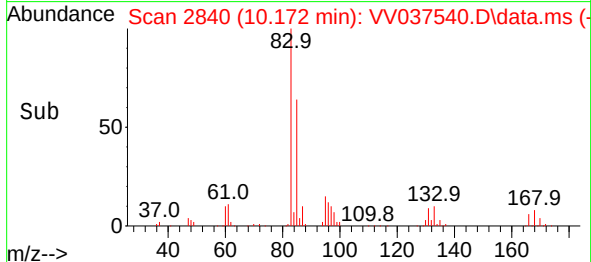
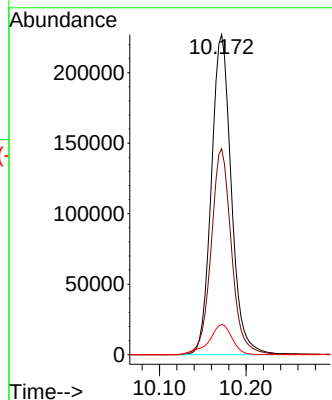
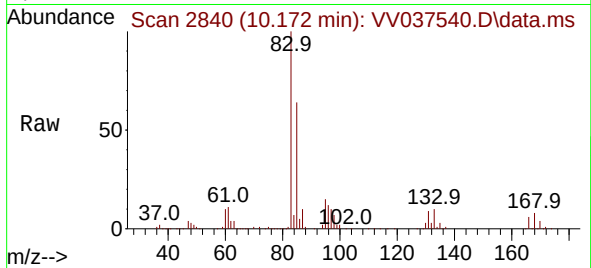




#57
1,1,2,2-Tetrachloroethane
Concen: 52.287 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

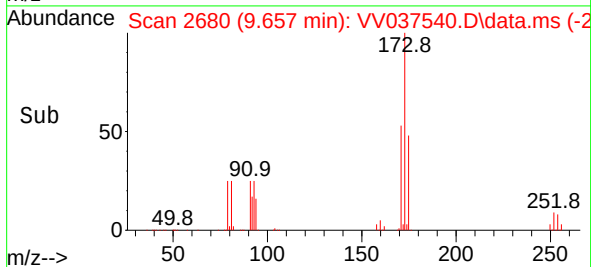
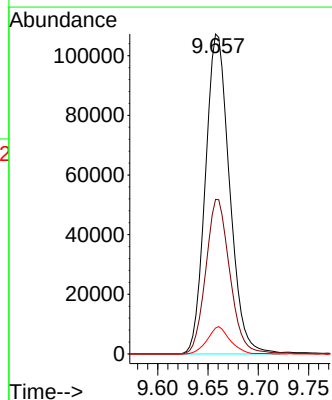
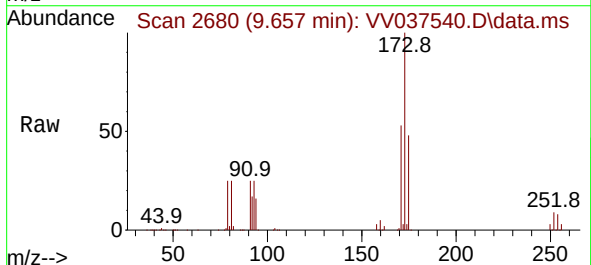
Instrument :
MSVOA_V
ClientSampleId :

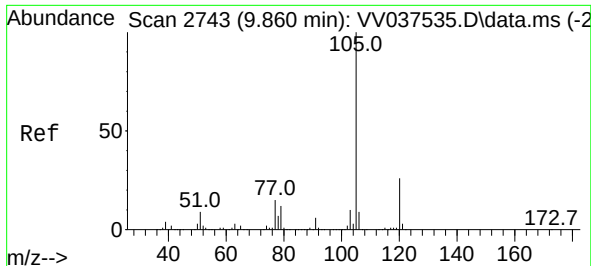
Tgt Ion: 83 Resp: 363710
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3
131 9.5 7.9 11.9



#59
Bromoform
Concen: 51.734 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion: 173 Resp: 179314
Ion Ratio Lower Upper
173 100
175 48.1 40.0 60.0
254 8.0 6.5 9.7

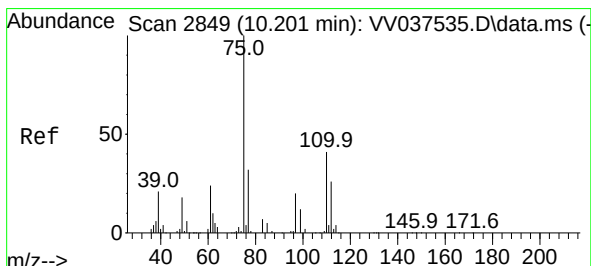
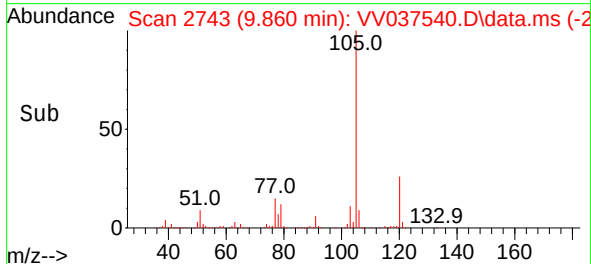
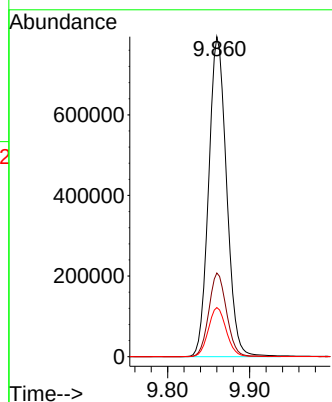
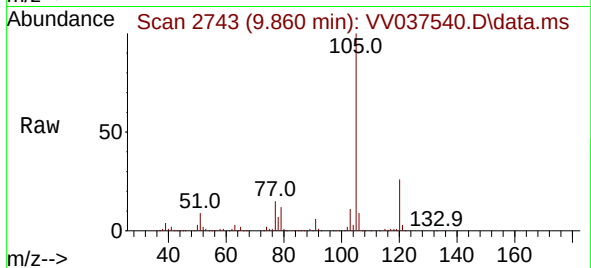




#60
Isopropylbenzene
Concen: 52.144 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

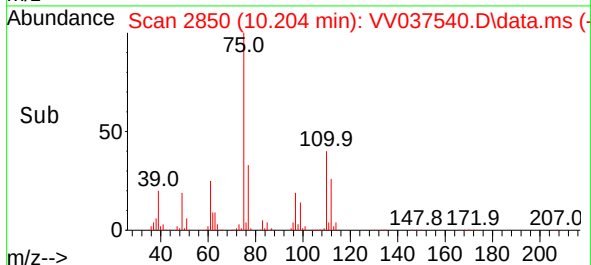
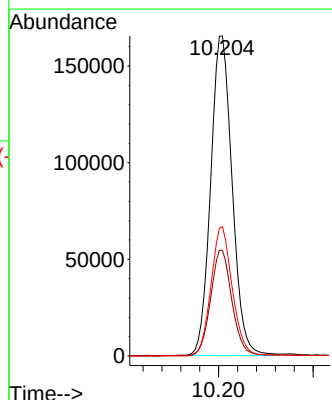
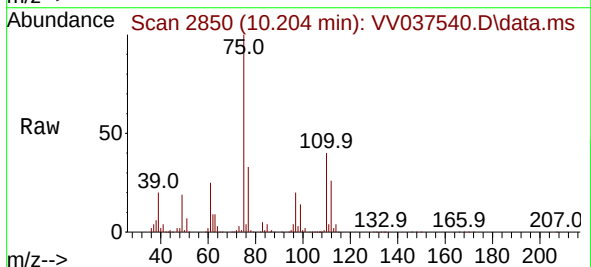
Instrument :
MSVOA_V
ClientSampleId :

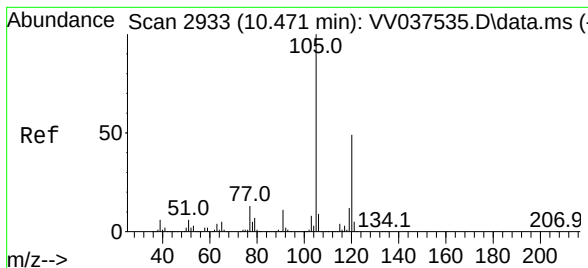
Tgt Ion:105 Resp: 1202222
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.4 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 51.683 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.003 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion: 75 Resp: 260804
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
110 40.1 31.7 47.5

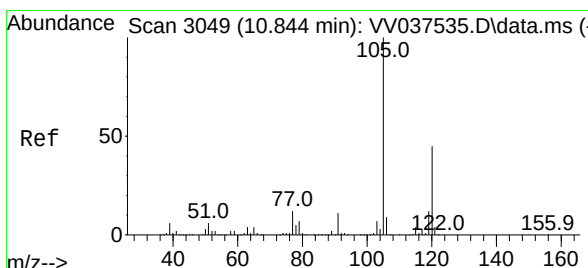
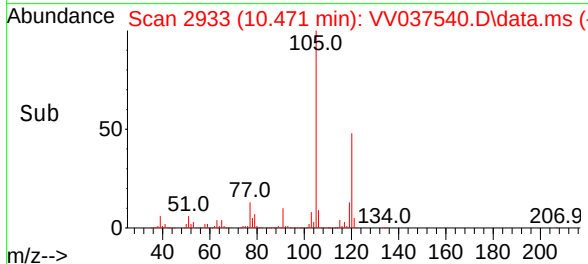
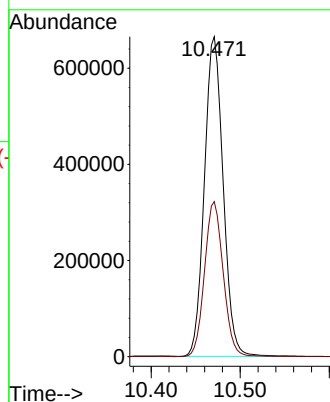
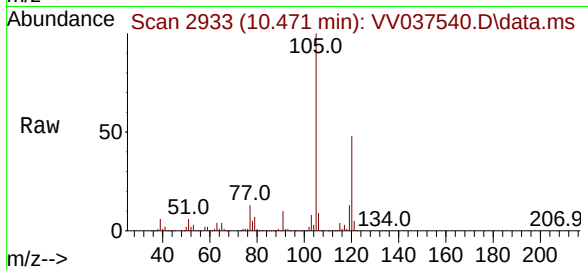




#62
1,3,5-Trimethylbenzene
Concen: 53.235 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

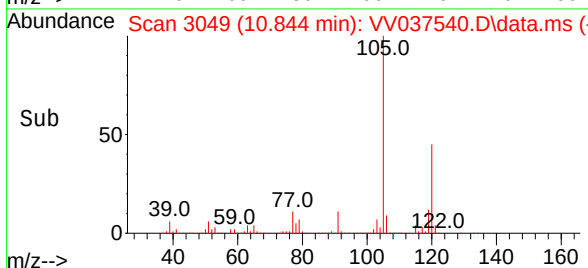
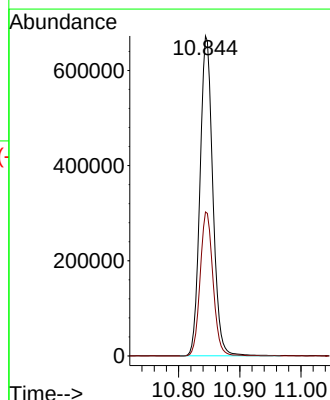
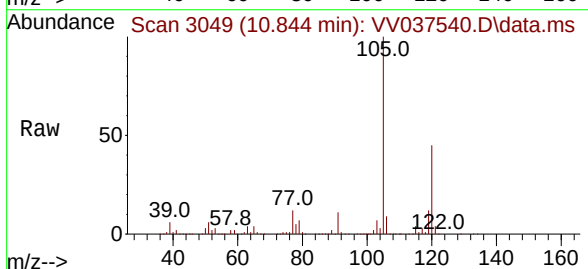
Instrument :
MSVOA_V
ClientSampleId :

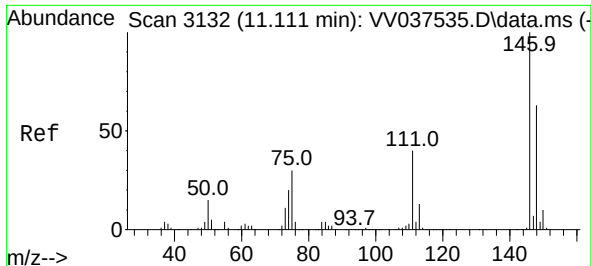
Tgt Ion:105 Resp: 970367
Ion Ratio Lower Upper
105 100
120 48.5 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 53.986 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VV037540.D
Acq: 26 Sep 2024 12:02

Tgt Ion:105 Resp: 979109
Ion Ratio Lower Upper
105 100
120 45.3 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 50.698 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

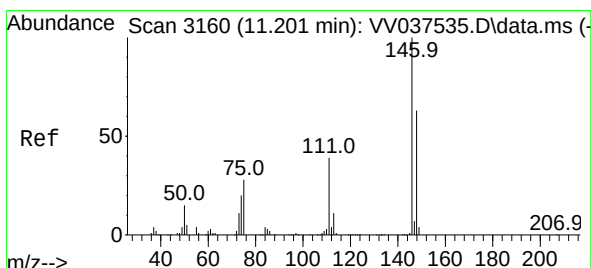
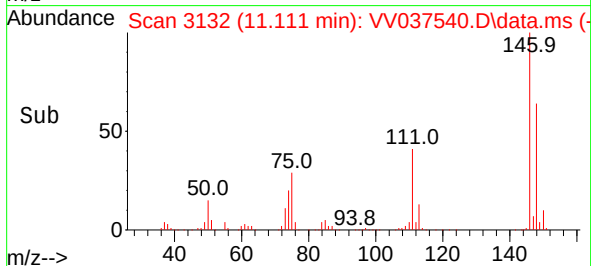
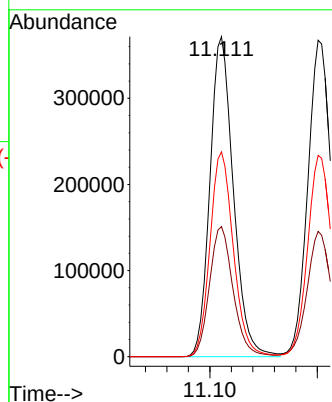
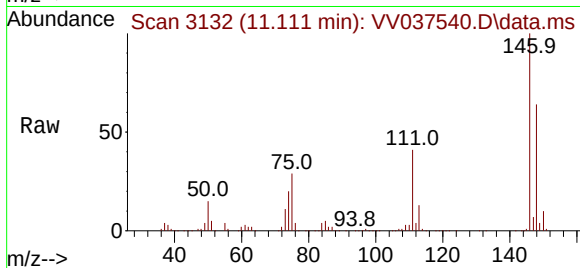
Tgt Ion:146 Resp: 562624

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.5

148 64.0 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 50.743 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

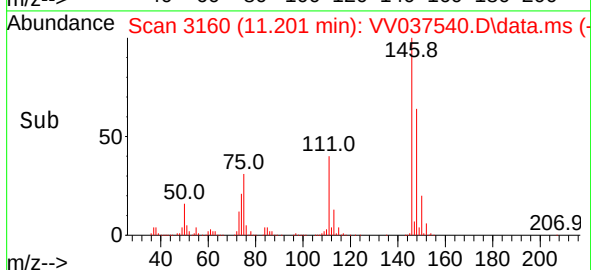
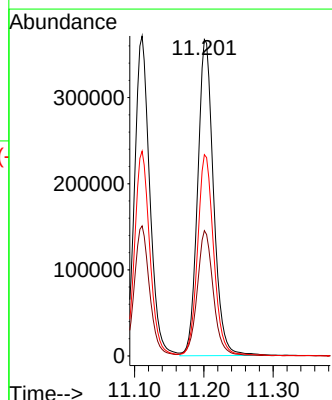
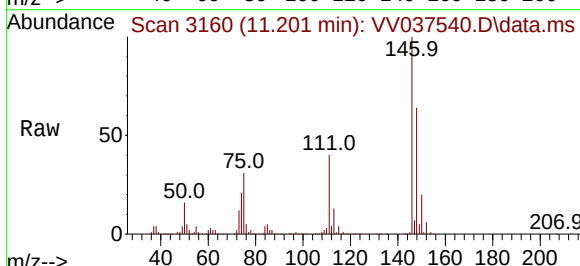
Tgt Ion:146 Resp: 586377

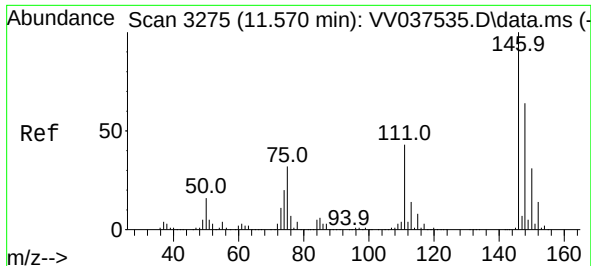
Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.4

148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 51.447 ug/L

RT: 11.570 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

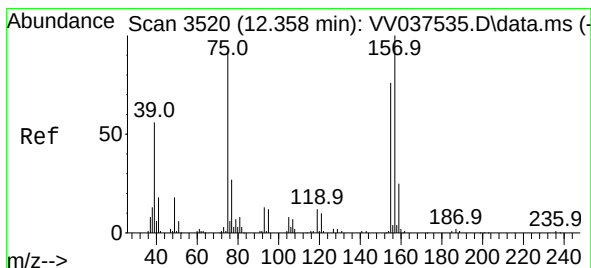
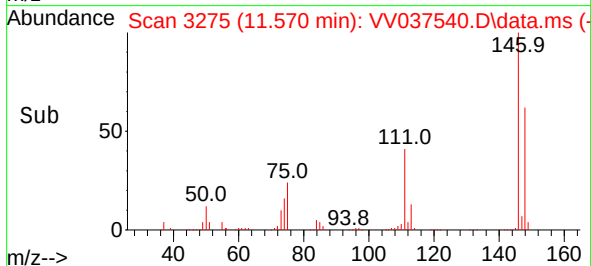
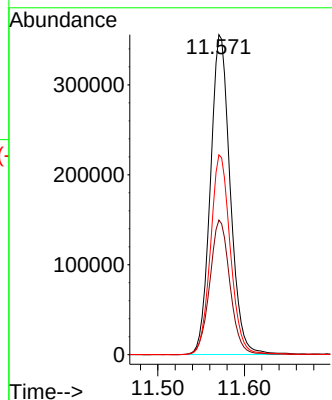
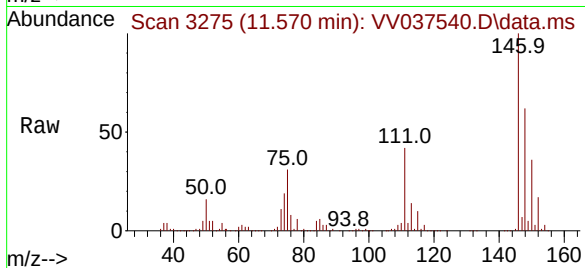
Tgt Ion:146 Resp: 564410

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.2

148 62.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 53.820 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. -0.003 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

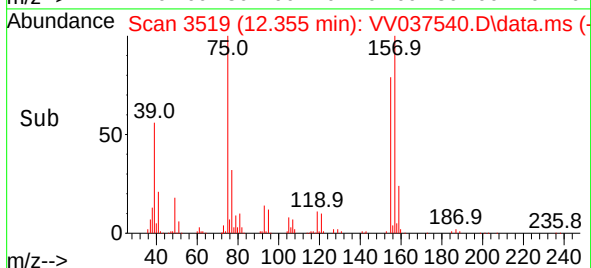
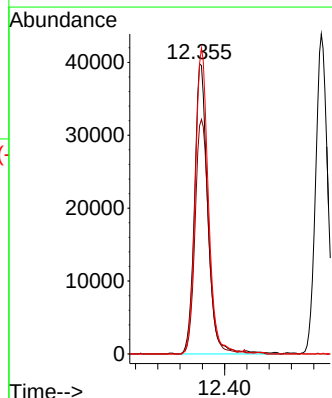
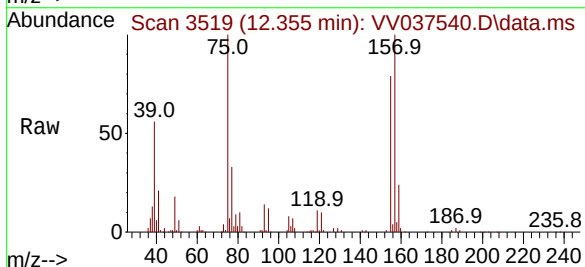
Tgt Ion: 75 Resp: 65926

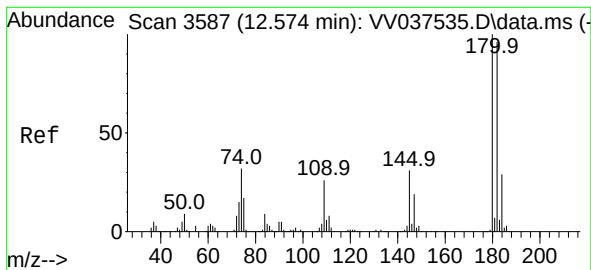
Ion Ratio Lower Upper

75 100

155 78.6 66.2 99.4

157 100.1 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 50.598 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

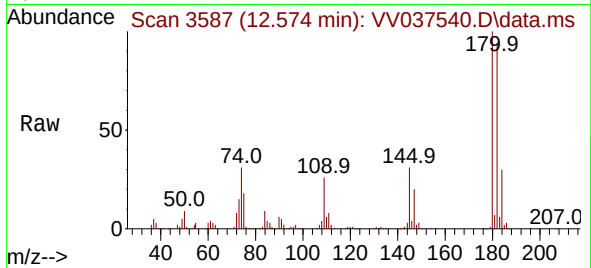
Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 386143

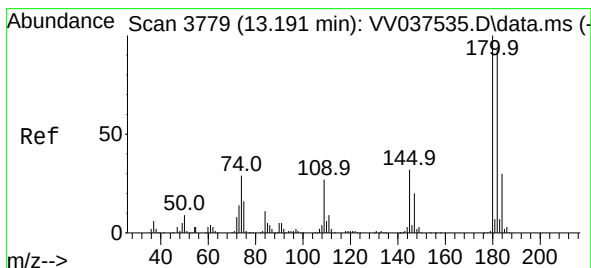
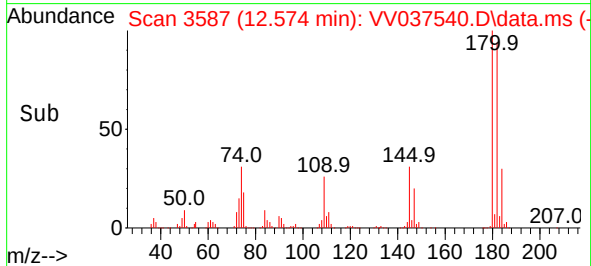
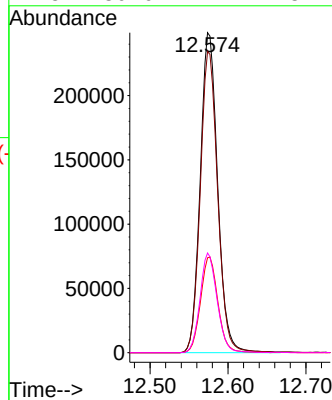
Ion Ratio Lower Upper

180 100

182 94.1 75.6 113.4

184 29.9 23.8 35.6

145 30.6 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 50.723 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

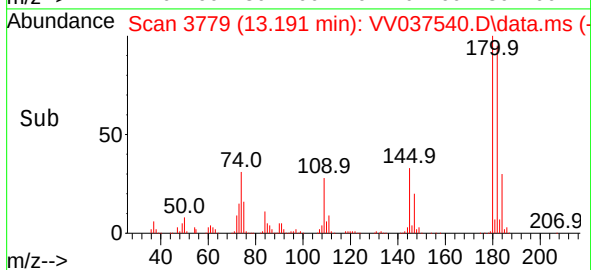
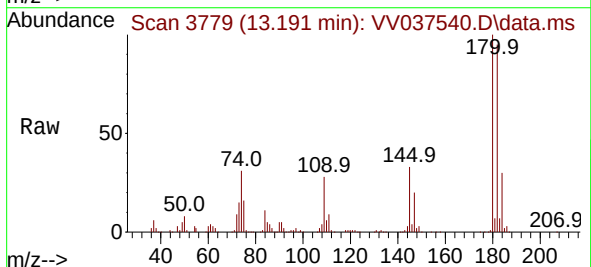
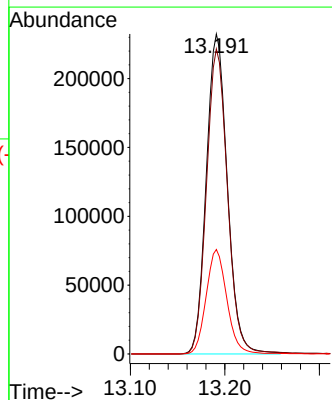
Tgt Ion:180 Resp: 359145

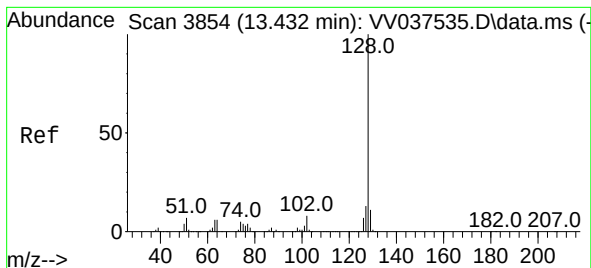
Ion Ratio Lower Upper

180 100

182 95.4 75.9 113.9

145 32.1 25.4 38.2





#71

Naphthalene

Concen: 55.969 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

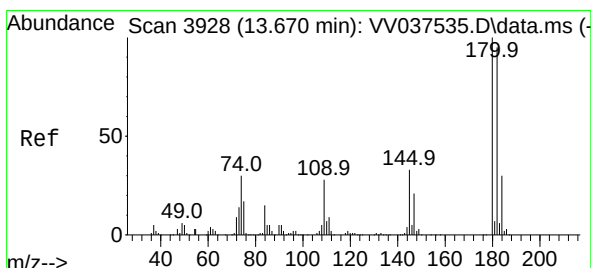
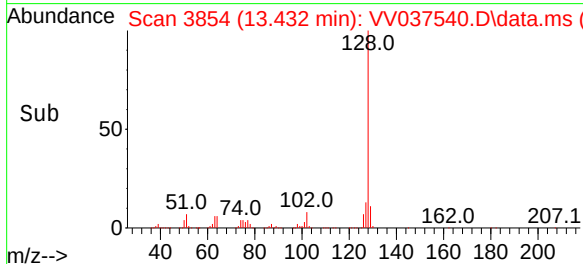
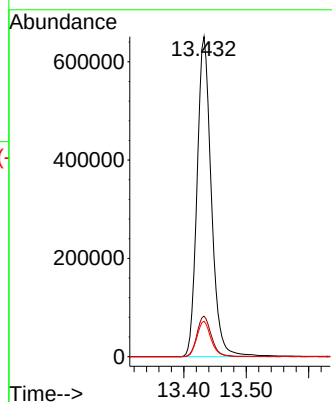
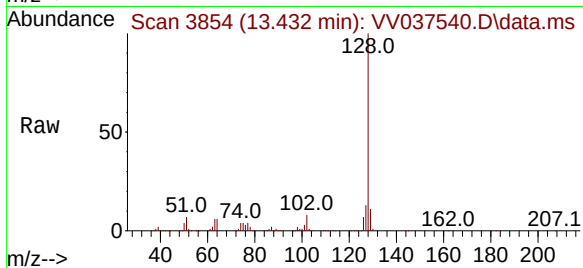
Tgt Ion:128 Resp: 1035375

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 51.838 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.003 min

Lab File: VV037540.D

Acq: 26 Sep 2024 12:02

Tgt Ion:180 Resp: 362459

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.8

145 34.0 26.2 39.4

