

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV093024\
 Data File : VV037653.D
 Acq On : 30 Sep 2024 14:32
 Operator : SY/MD
 Sample : P4184-03DL 10X
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 01 02:08:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 01 02:04:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	698973	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	676389	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	352064	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	207242	33.776	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.560%
7) Chloroethane-d5	1.532	69	185337	38.914	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.820%
11) 1,1-Dichloroethene-d2	2.060	65	97778	38.142	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.280%
21) 2-Butanone-d5	3.790	46	216222	98.936	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.940%
24) Chloroform-d	4.243	84	489432	44.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.660%
26) 1,2-Dichloroethane-d4	4.937	65	298465	46.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.420%
32) Benzene-d6	4.953	84	937105	44.275	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.560%
36) 1,2-Dichloropropane-d6	5.982	67	309149	45.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.740%
41) Toluene-d8	7.236	98	842055	43.875	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.740%
43) trans-1,3-Dichloroprop...	7.548	79	140089	44.744	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.480%
47) 2-Hexanone-d5	8.021	63	146747	103.114	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.110%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	371927	47.494	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.980%
66) 1,2-Dichlorobenzene-d4	11.554	152	362782	48.901	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	66761	10.780	ug/L	97
8) Chloroethane	1.548	64	200341	52.483	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	3498	0.702	ug/L #	25
12) 1,1-Dichloroethene	2.063	96	4122	0.886	ug/L #	1
17) trans-1,2-Dichloroethene	2.693	96	4459	0.906	ug/L	85
19) 1,1-Dichloroethane	3.105	63	464379	49.234	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	158399	28.753	ug/L	99
34) Trichloroethene	5.834	95	23744	4.371	ug/L	96
39) cis-1,3-Dichloropropene	6.908	75	8686	1.033	ug/L #	43
42) Toluene	7.323	91	34926	1.652	ug/L	99
48) 2-Hexanone	8.021	43	15792	4.735	ug/L #	73
52) Ethylbenzene	8.944	91	149604	6.285	ug/L	99
53) m,p-Xylene	9.069	106	84558	9.544	ug/L	99
54) o-Xylene	9.474	106	42052	4.862	ug/L	95
60) Isopropylbenzene	9.866	105	24350	1.064	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	40737	2.251	ug/L	90
63) 1,2,4-Trimethylbenzene	10.847	105	455214	25.282	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	15749	1.446	ug/L	94
71) Naphthalene	13.439	128	47052	2.562	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV093024\
Data File : VV037653.D
Acq On : 30 Sep 2024 14:32
Operator : SY/MD
Sample : P4184-03DL 10X
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 01 02:08:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:04:27 2024
Response via : Initial Calibration

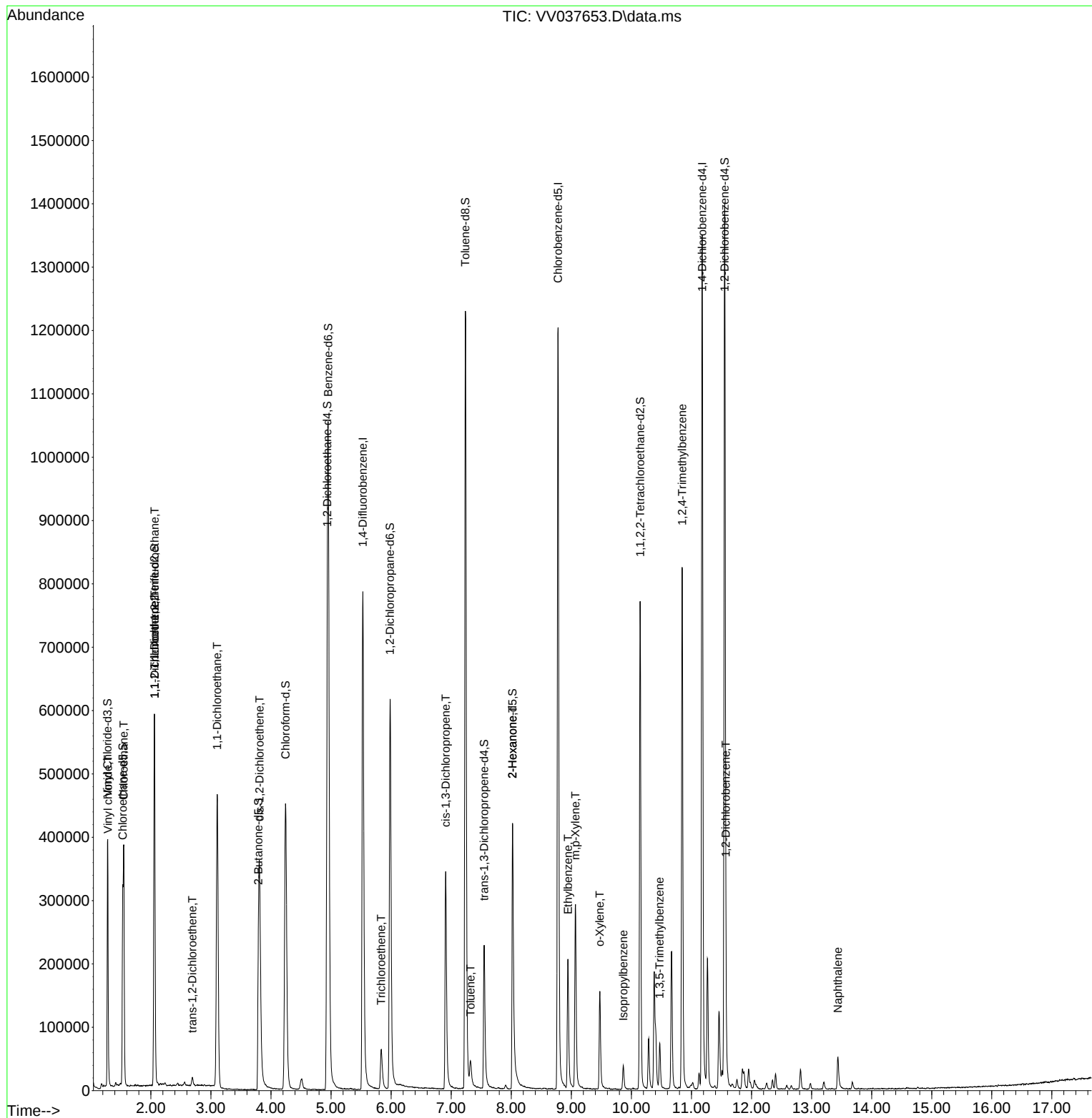
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

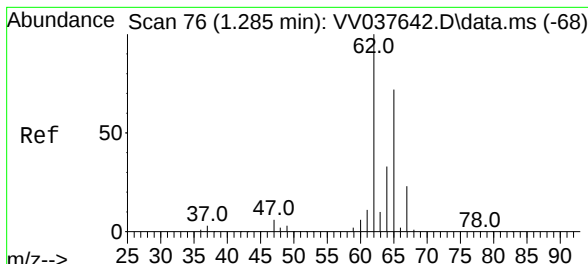
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV093024\
Data File : VV037653.D
Acq On : 30 Sep 2024 14:32
Operator : SY/MD
Sample : P4184-03DL 10X
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 01 02:08:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 02:04:27 2024
Response via : Initial Calibration

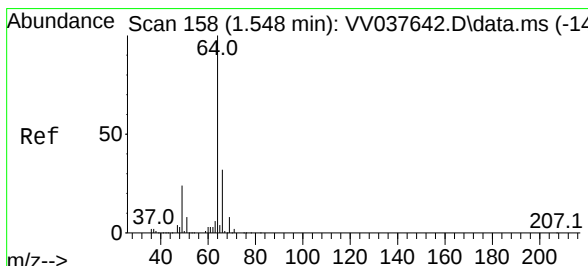
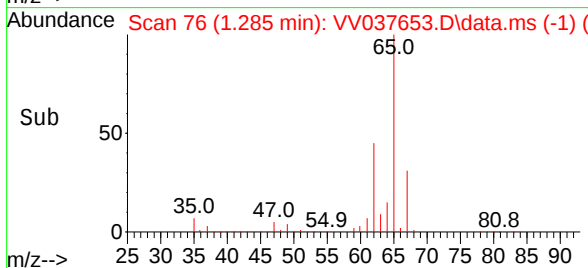
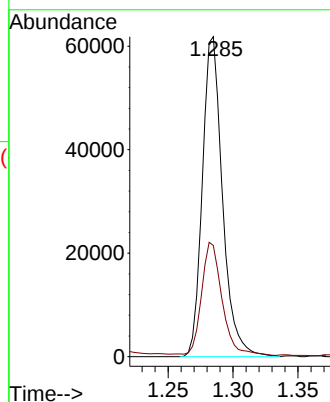
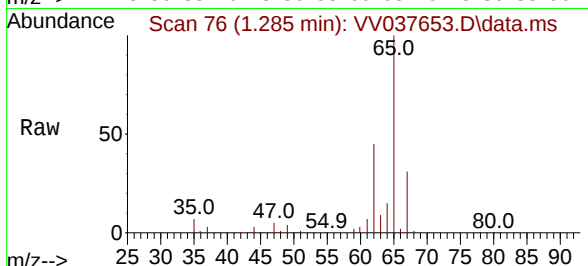




#5
 Vinyl chloride
 Concen: 10.780 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV037653.D
 Acq: 30 Sep 2024 14:32

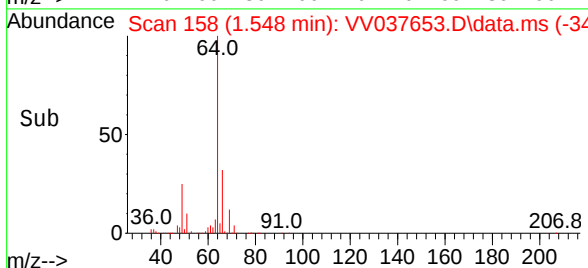
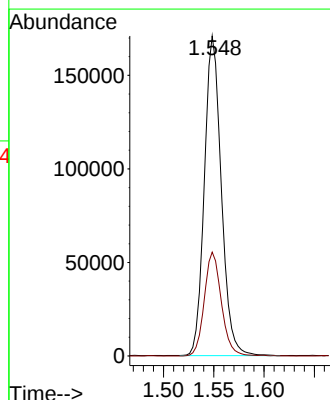
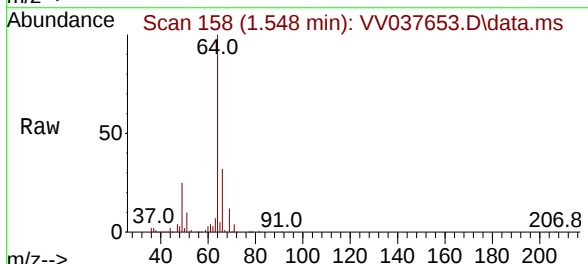
Instrument :
 MSVOA_V
 ClientSampleId :

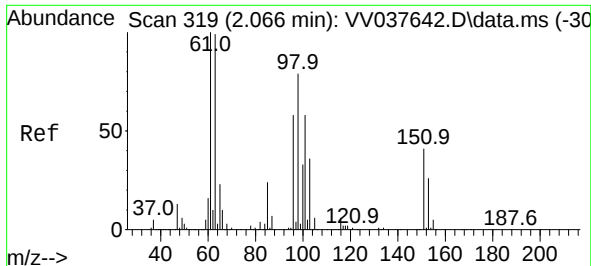
Tgt Ion: 62 Resp: 66761
 Ion Ratio Lower Upper
 62 100
 64 34.8 23.2 43.0



#8
 Chloroethane
 Concen: 52.483 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VV037653.D
 Acq: 30 Sep 2024 14:32

Tgt Ion: 64 Resp: 200341
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.2 41.2





#10

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

Concen: 0.702 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV037653.D

Acq: 30 Sep 2024 14:32

Instrument :

MSVOA_V

ClientSampleId :

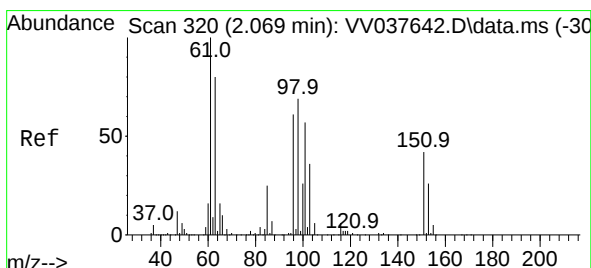
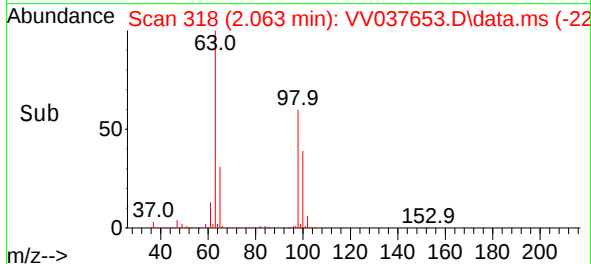
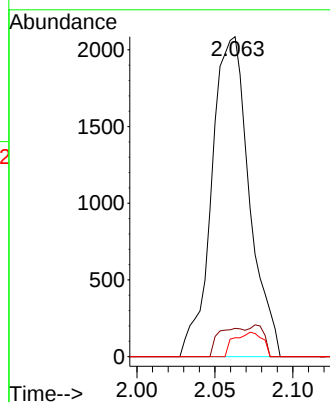
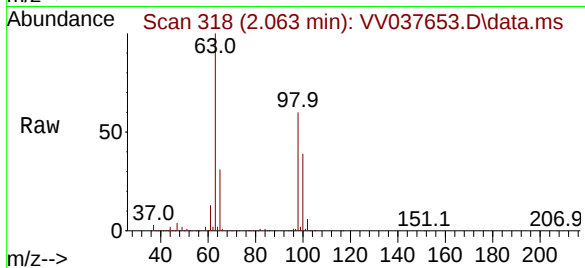
Tgt Ion:101 Resp: 3498

Ion Ratio Lower Upper

101 100

85 6.5 34.6 52.0#

151 0.0 57.5 86.3#



#12

1,1-Dichloroethene

Concen: 0.886 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.006 min

Lab File: VV037653.D

Acq: 30 Sep 2024 14:32

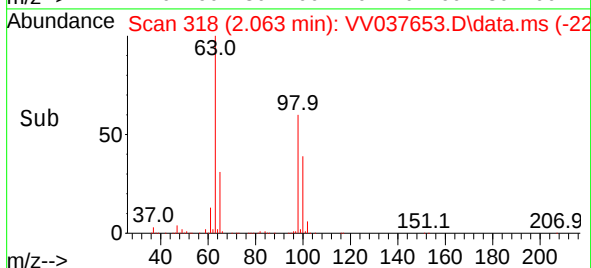
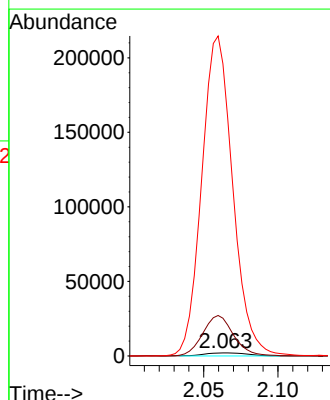
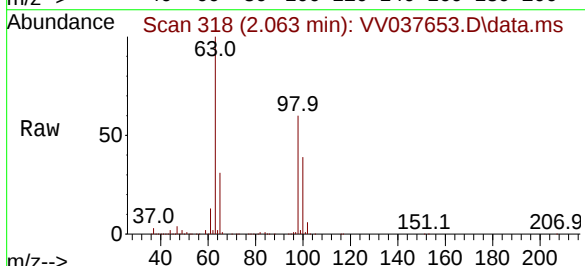
Tgt Ion: 96 Resp: 4122

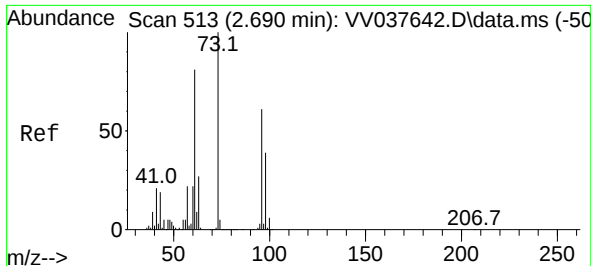
Ion Ratio Lower Upper

96 100

61 1258.1 122.6 227.6#

63 9715.8 118.0 219.2#

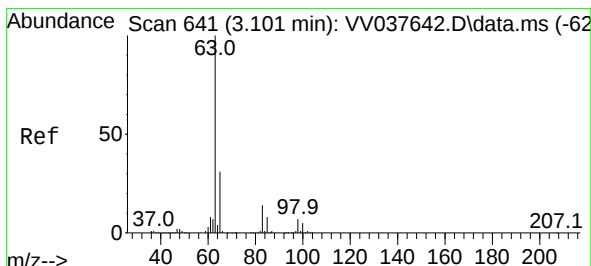
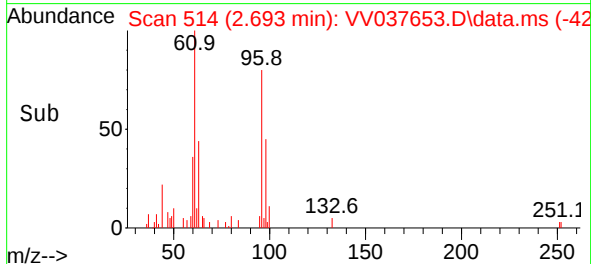
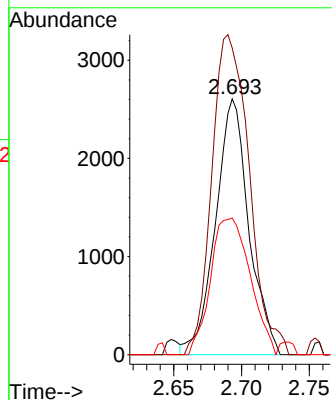
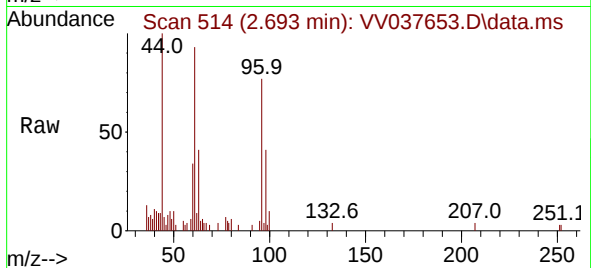




#17
trans-1,2-Dichloroethene
Concen: 0.906 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

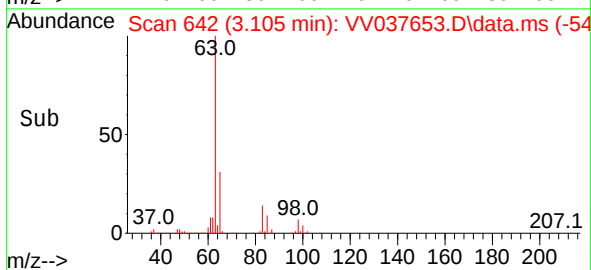
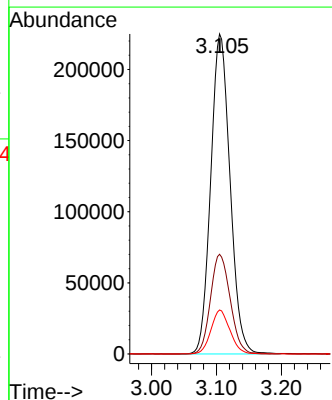
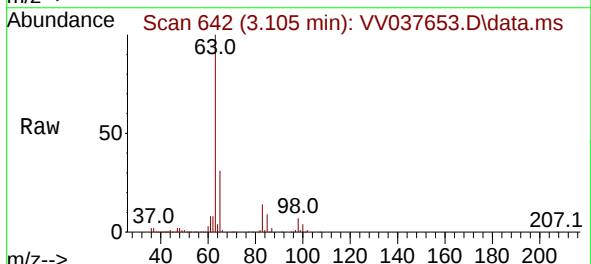
Instrument :
MSVOA_V
ClientSampleId :

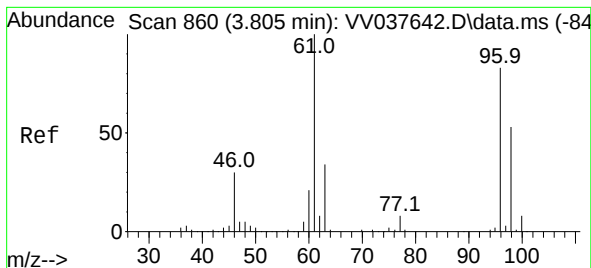
Tgt Ion: 96 Resp: 4459
Ion Ratio Lower Upper
96 100
61 119.9 97.3 180.7
98 53.4 43.9 81.5



#19
1,1-Dichloroethane
Concen: 49.234 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

Tgt Ion: 63 Resp: 464379
Ion Ratio Lower Upper
63 100
65 31.2 22.4 41.6
83 13.8 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 28.753 ug/L

RT: 3.809 min Scan# 860

Delta R.T. 0.003 min

Lab File: VV037653.D

Acq: 30 Sep 2024 14:32

Instrument :

MSVOA_V

ClientSampleId :

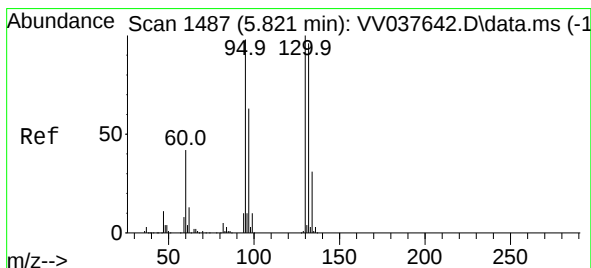
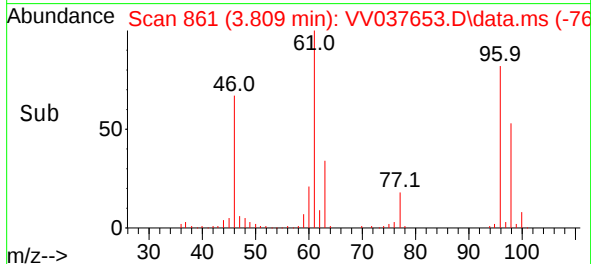
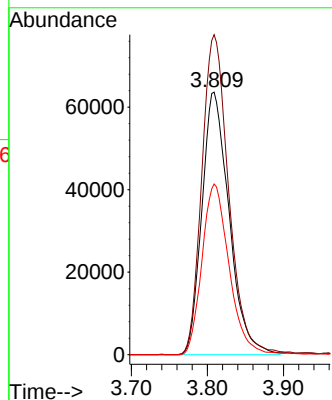
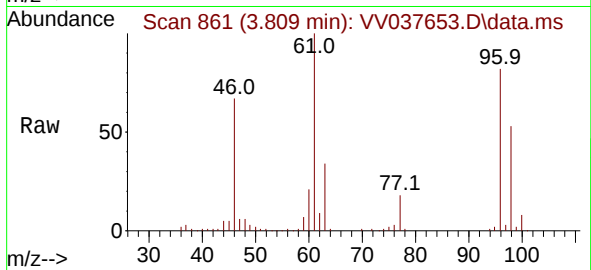
Tgt Ion: 96 Resp: 158399

Ion Ratio Lower Upper

96 100

61 121.9 85.0 157.8

98 65.0 44.2 82.0



#34

Trichloroethene

Concen: 4.371 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.013 min

Lab File: VV037653.D

Acq: 30 Sep 2024 14:32

Tgt Ion: 95 Resp: 23744

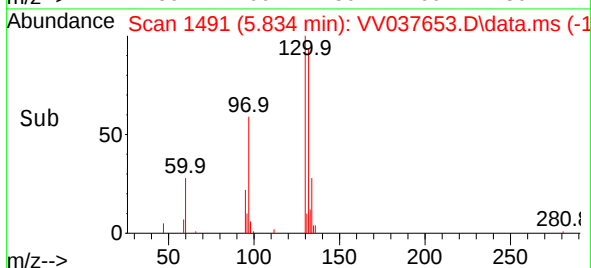
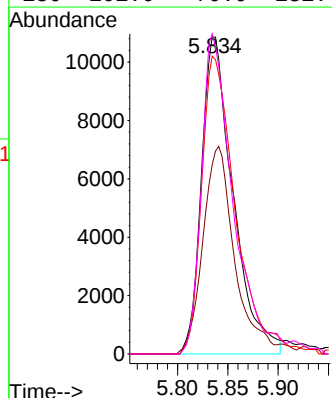
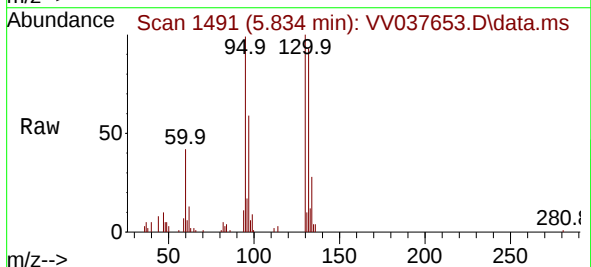
Ion Ratio Lower Upper

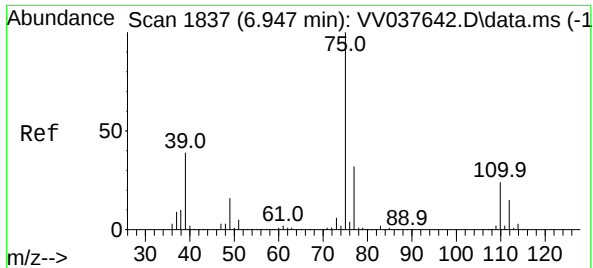
95 100

97 59.7 46.3 85.9

132 94.0 68.6 127.4

130 101.0 70.9 131.7

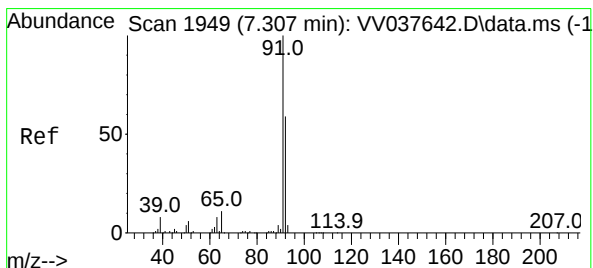
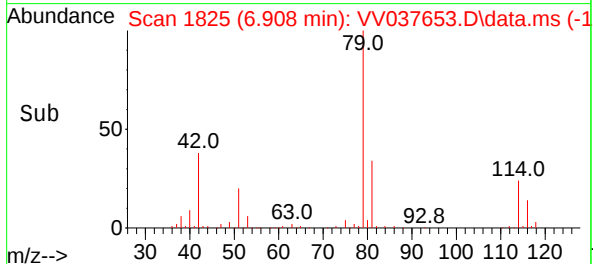
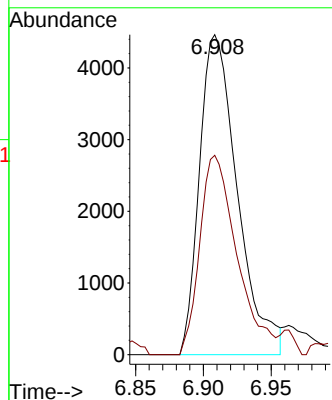
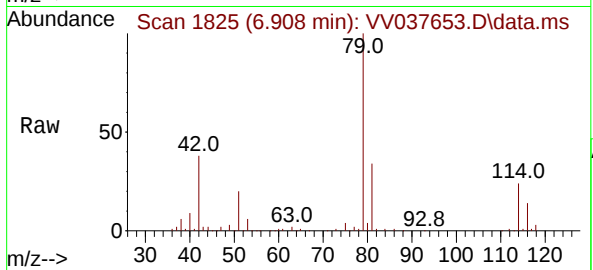




#39
 cis-1,3-Dichloropropene
 Concen: 1.033 ug/L
 RT: 6.908 min Scan# 11
 Delta R.T. -0.038 min
 Lab File: VV037653.D
 Acq: 30 Sep 2024 14:32

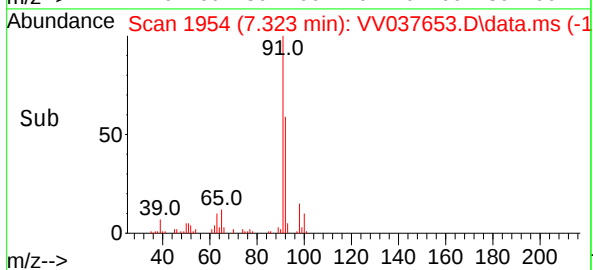
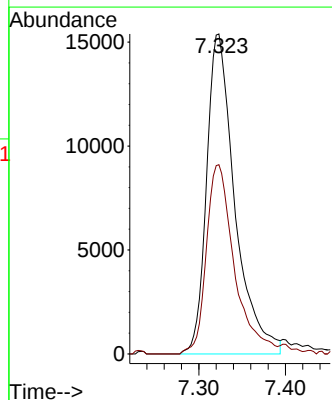
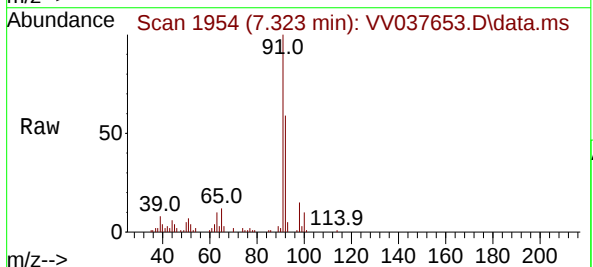
Instrument :
 MSVOA_V
 ClientSampleId :

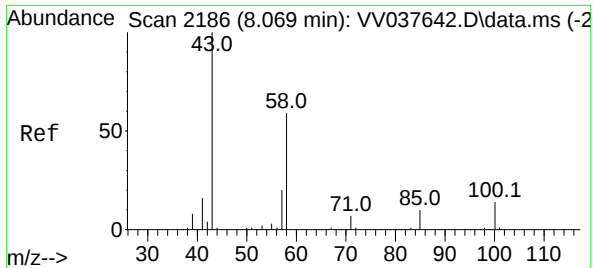
Tgt Ion: 75 Resp: 8686
 Ion Ratio Lower Upper
 75 100
 77 62.3 21.8 40.4#



#42
 Toluene
 Concen: 1.652 ug/L
 RT: 7.323 min Scan# 1954
 Delta R.T. 0.016 min
 Lab File: VV037653.D
 Acq: 30 Sep 2024 14:32

Tgt Ion: 91 Resp: 34926
 Ion Ratio Lower Upper
 91 100
 92 59.2 41.1 76.3

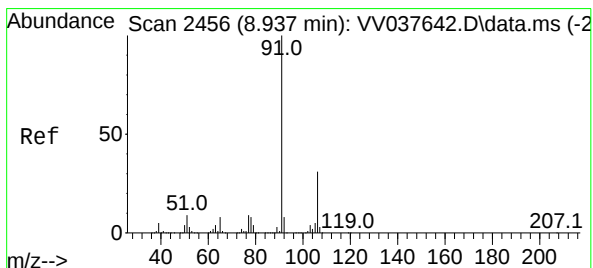
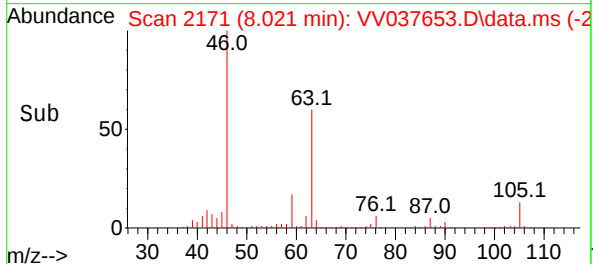
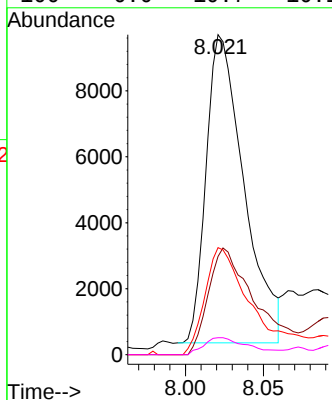
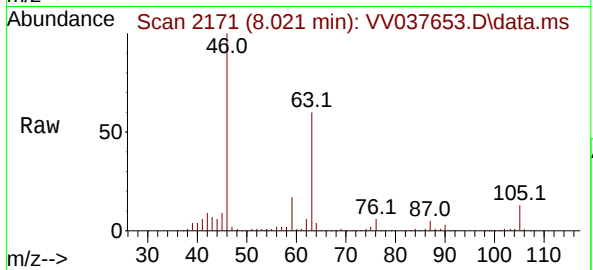




#48
2-Hexanone
Concen: 4.735 ug/L
RT: 8.021 min Scan# 2186
Delta R.T. -0.048 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

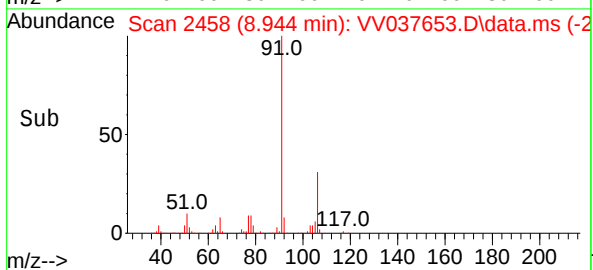
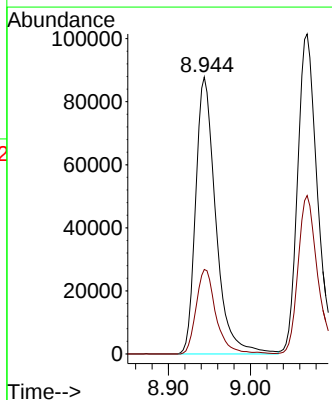
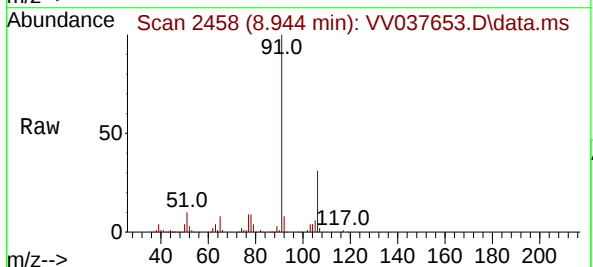
Instrument :
MSVOA_V
ClientSampleId :

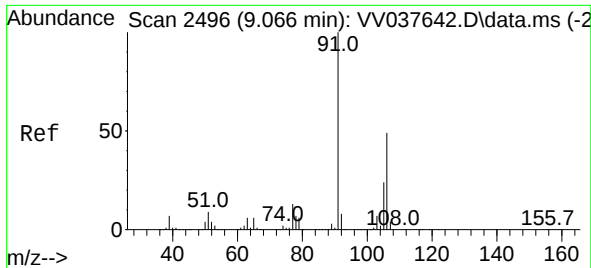
Tgt Ion: 43	Resp: 15792
Ion Ratio	Lower Upper
43 100	
58 43.6	46.5 69.7#
57 43.2	15.1 22.7#
100 6.0	10.7 16.1#



#52
Ethylbenzene
Concen: 6.285 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.007 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

Tgt Ion: 91	Resp: 149604
Ion Ratio	Lower Upper
91 100	
106 30.5	21.9 40.7

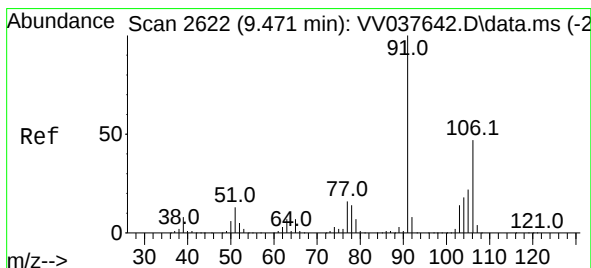
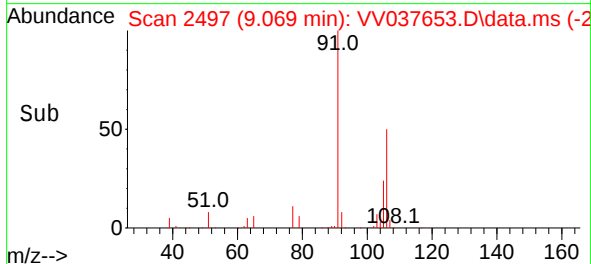
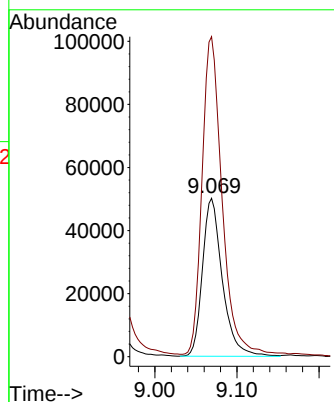
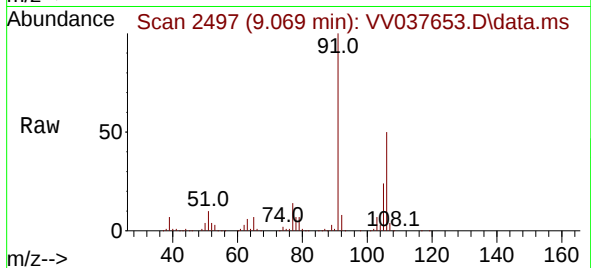




#53
m,p-Xylene
Concen: 9.544 ug/L
RT: 9.069 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

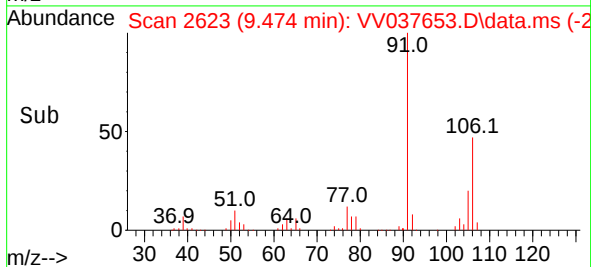
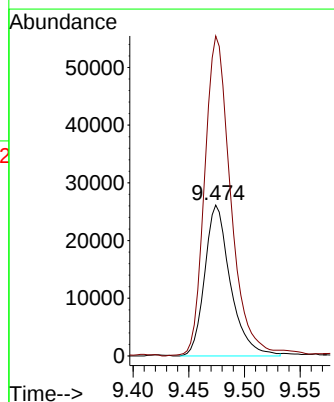
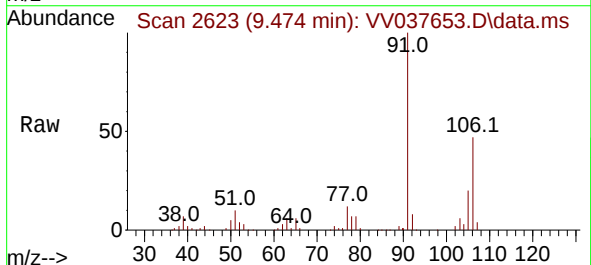
Instrument :
MSVOA_V
ClientSampleId :

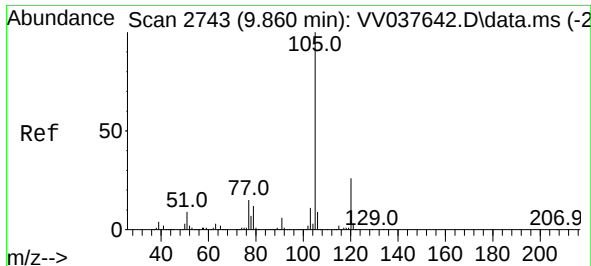
Tgt Ion:106 Resp: 84558
Ion Ratio Lower Upper
106 100
91 201.9 142.0 263.6



#54
o-Xylene
Concen: 4.862 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

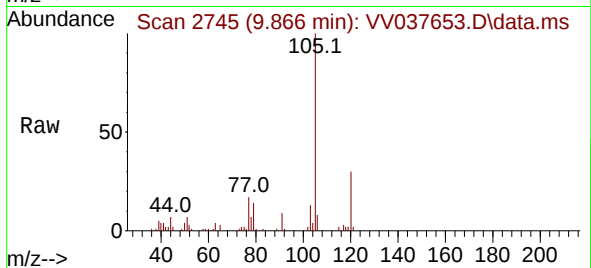
Tgt Ion:106 Resp: 42052
Ion Ratio Lower Upper
106 100
91 212.2 153.9 285.9



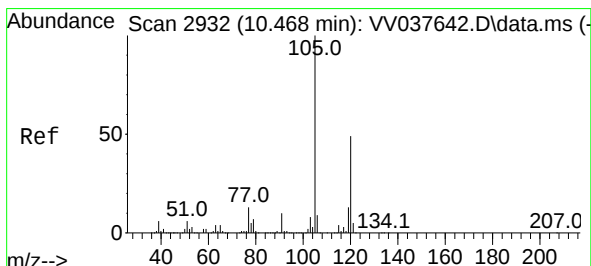
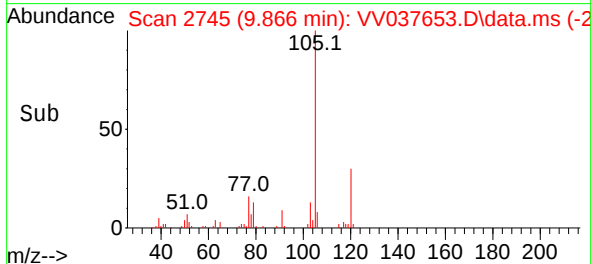
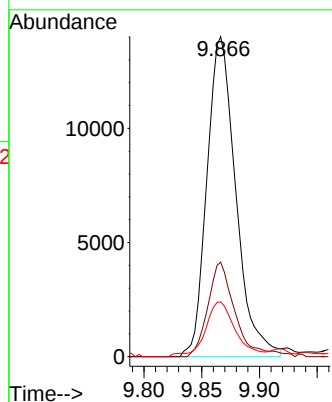


#60
Isopropylbenzene
Concen: 1.064 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

Instrument :
MSVOA_V
ClientSampleId :

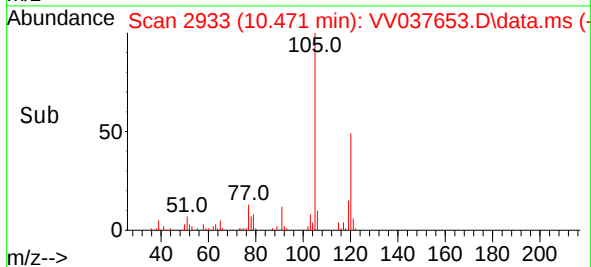
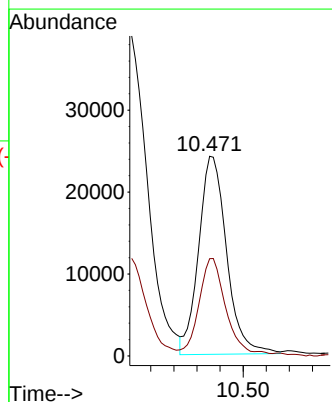
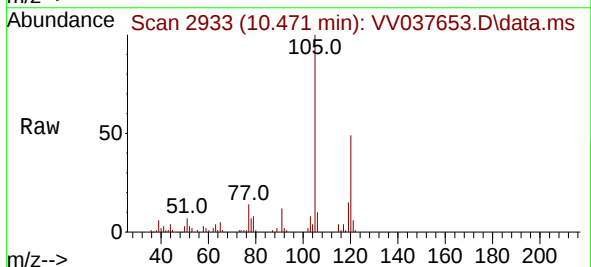


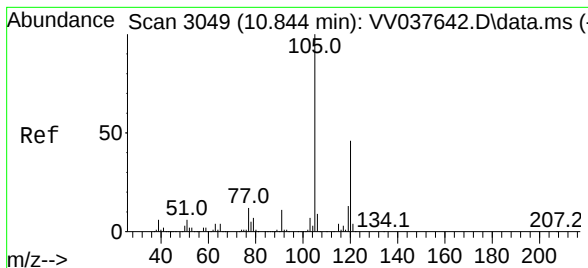
Tgt Ion:105 Resp: 24350
Ion Ratio Lower Upper
105 100
120 27.0 20.7 31.1
77 16.8 12.2 18.2



#62
1,3,5-Trimethylbenzene
Concen: 2.251 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.003 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

Tgt Ion:105 Resp: 40737
Ion Ratio Lower Upper
105 100
120 42.4 39.3 58.9





#63

1,2,4-Trimethylbenzene

Concen: 25.282 ug/L

RT: 10.847 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VV037653.D

Acq: 30 Sep 2024 14:32

Instrument :

MSVOA_V

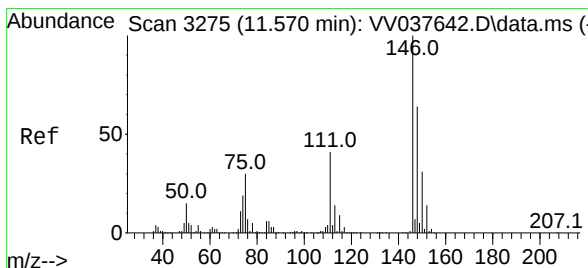
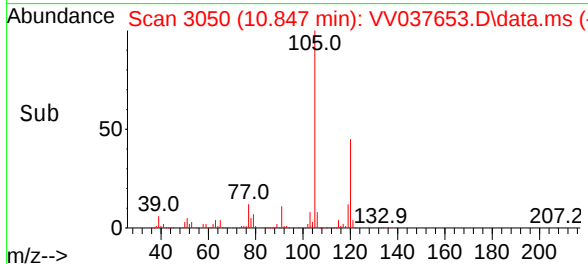
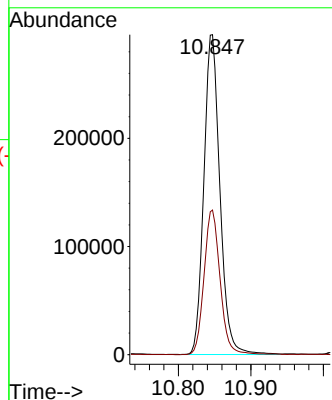
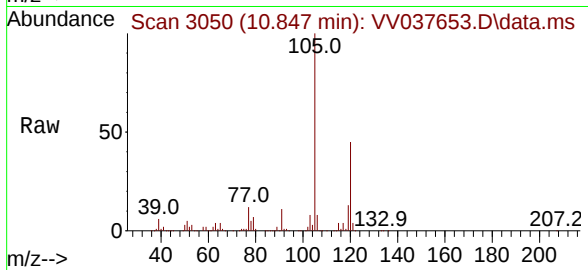
ClientSampleId :

Tgt Ion:105 Resp: 455214

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.2



#67

1,2-Dichlorobenzene

Concen: 1.446 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV037653.D

Acq: 30 Sep 2024 14:32

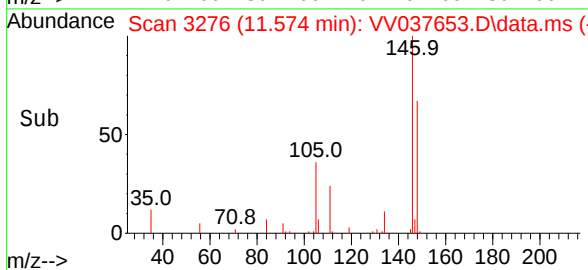
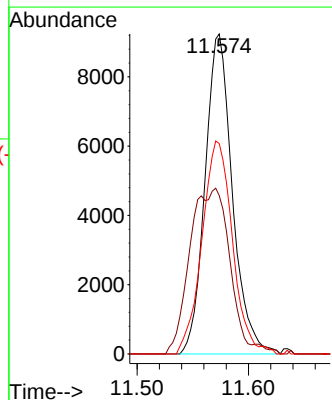
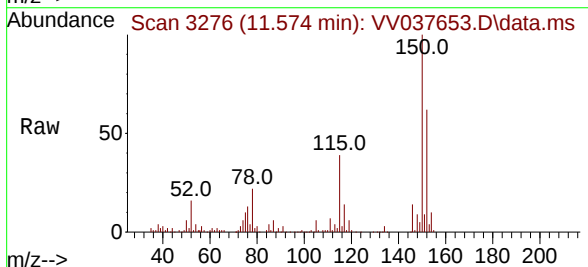
Tgt Ion:146 Resp: 15749

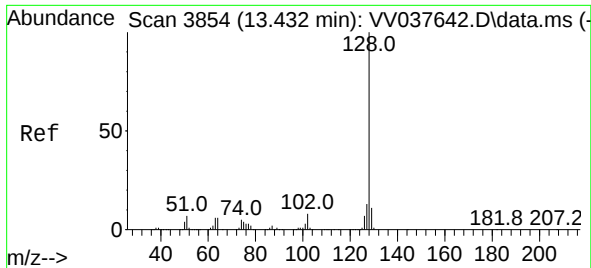
Ion Ratio Lower Upper

146 100

111 49.5 34.2 51.2

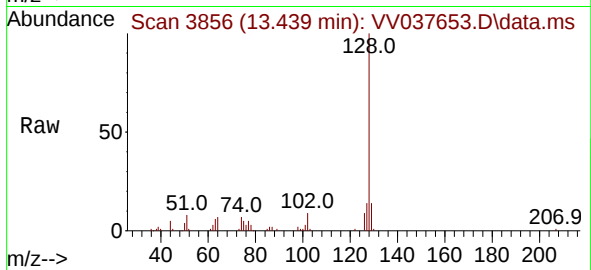
148 65.8 50.9 76.3





#71
Naphthalene
Concen: 2.562 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. 0.007 min
Lab File: VV037653.D
Acq: 30 Sep 2024 14:32

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 47052
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 11.4 8.5 12.7

