

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091224\
 Data File : VV037257.D
 Acq On : 12 Sep 2024 10:22
 Operator : SY/MD
 Sample : P3900-01ME
 Misc : 5.66G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 13 00:44:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 00:43:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.523	114	685063	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	680226	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	421855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	281632	44.941	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.880%
7) Chloroethane-d5	1.500	69	96286	19.880	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	39.760%#
11) 1,1-Dichloroethene-d2	2.040	65	123778	46.994	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.980%
21) 2-Butanone-d5	3.789	46	230878	95.138	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.140%
24) Chloroform-d	4.233	84	499812	50.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.920%
26) 1,2-Dichloroethane-d4	4.928	65	313248	50.716	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.440%
32) Benzene-d6	4.941	84	1034495	50.351	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.700%
36) 1,2-Dichloropropane-d6	5.976	67	340266	52.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.760%
41) Toluene-d8	7.233	98	936824	50.523	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.040%
43) trans-1,3-Dichloroprop...	7.545	79	147825	49.653	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.300%
47) 2-Hexanone-d5	8.024	63	196315	111.780	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.780%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	651578	83.487	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	166.980%#
66) 1,2-Dichlorobenzene-d4	11.554	152	454280	53.768	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.540%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.040	101	3760	0.793	ug/L #	24
13) Acetone	2.118	43	34763	13.357	ug/L	88
22) 2-Butanone	3.748	43	27195	9.490	ug/L	83
29) Cyclohexane	4.555	56	12490	1.562	ug/L #	57
35) Methylcyclohexane	6.034	83	36110	4.289	ug/L #	86
39) cis-1,3-Dichloropropene	6.902	75	9103	1.096	ug/L #	58
40) 4-Methyl-2-pentanone	7.162	43	141533	26.453	ug/L	98
42) Toluene	7.310	91	142721	6.983	ug/L	99
46) Tetrachloroethene	7.899	164	5214	1.402	ug/L	85
48) 2-Hexanone	8.130	43	68473	16.548	ug/L #	1
52) Ethylbenzene	8.940	91	235764	10.212	ug/L	100
53) m,p-Xylene	9.063	106	401005	46.879	ug/L	99
54) o-Xylene	9.471	106	331574	39.589	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.159	83	318530	43.900	ug/L #	90
60) Isopropylbenzene	9.860	105	457462	16.727	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	2840893	126.965	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	8193857	366.949	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.345	75	8627	5.271	ug/L #	42
70) 1,2,4-trichlorobenzene	13.197	180	12769	1.543	ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Fri Sep 13 00:43:12 2024
Response via : Initial Calibration

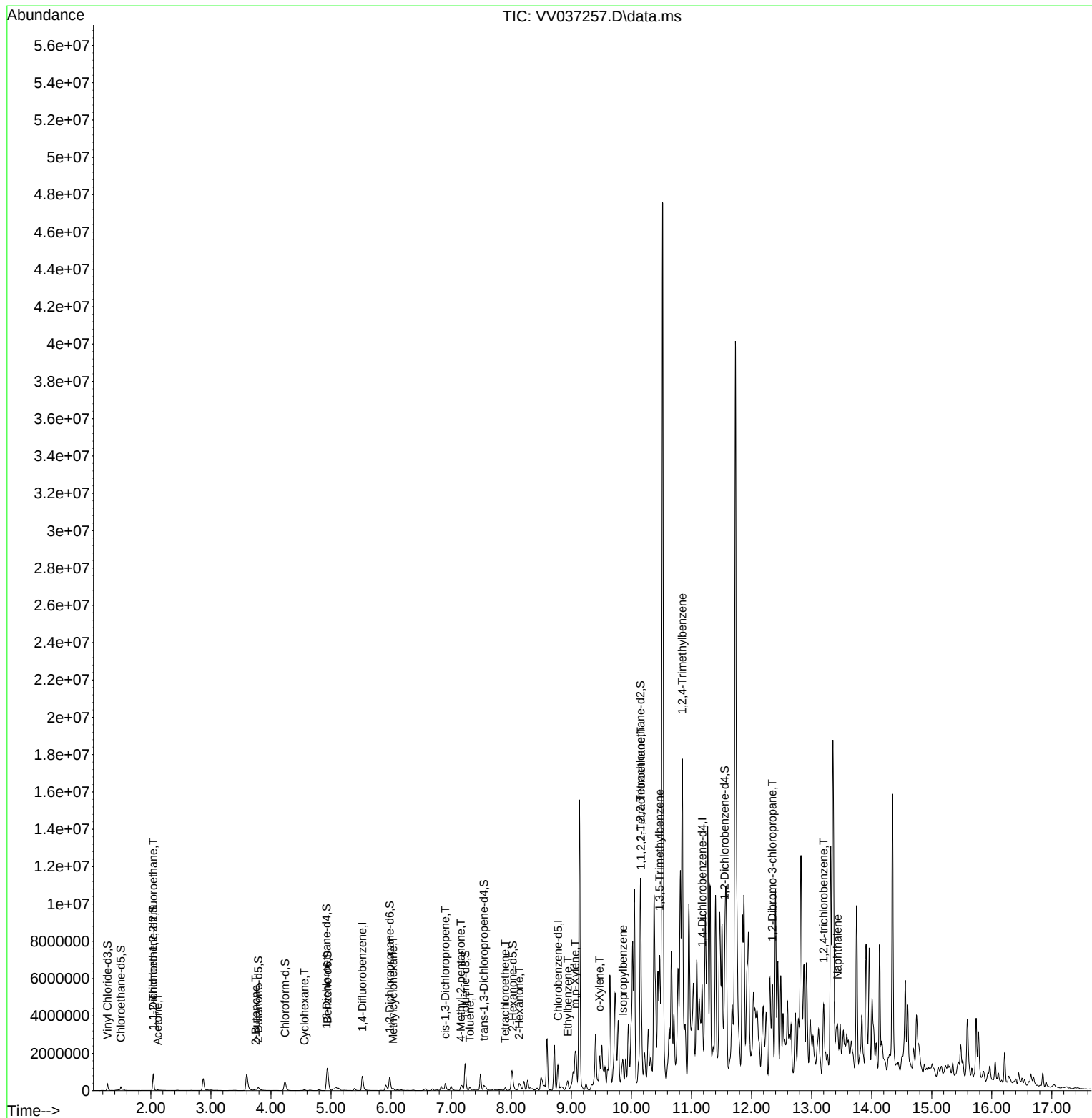
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.432	128	1267021	53.030	ug/L	97

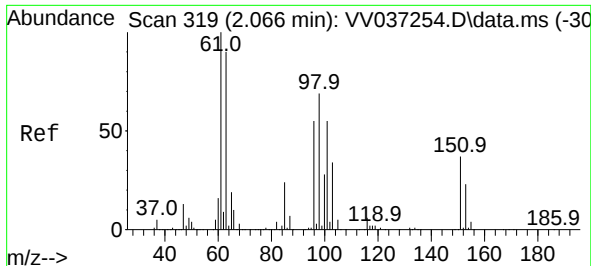
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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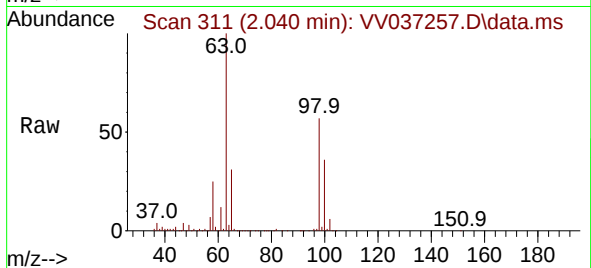
Quant Time: Sep 13 00:44:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
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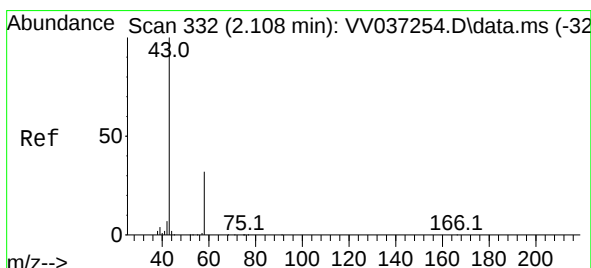
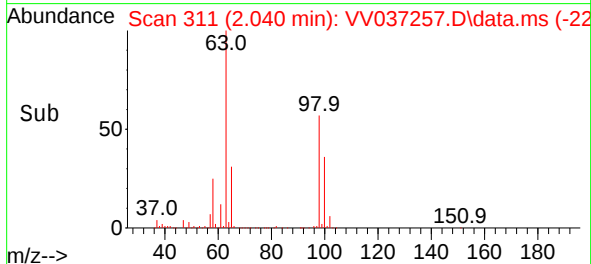
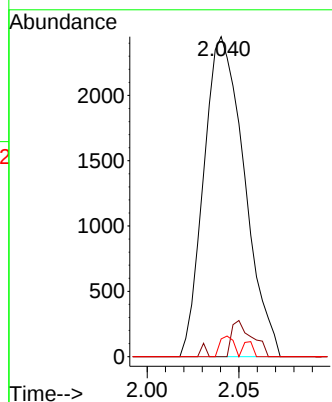


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.793 ug/L
RT: 2.040 min Scan# 311
Delta R.T. -0.026 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

Instrument :
MSVOA_V
ClientSampleId :

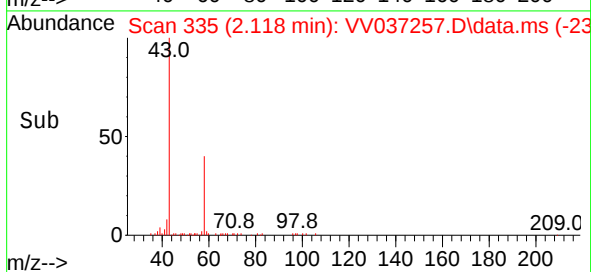
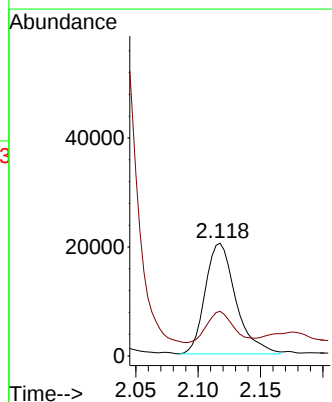
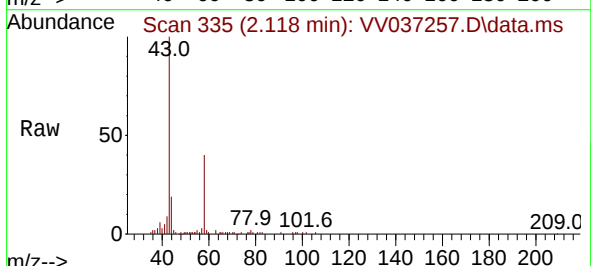


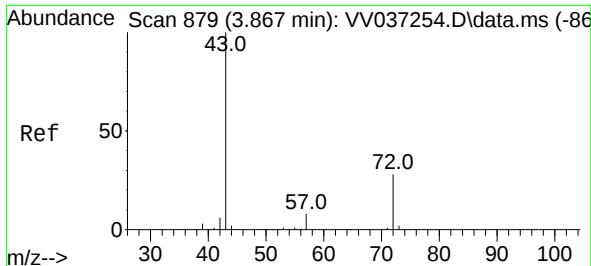
Tgt Ion:101 Resp: 3760
Ion Ratio Lower Upper
101 100
85 1.3 35.6 53.4#
151 2.2 55.0 82.4#



#13
Acetone
Concen: 13.357 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.010 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

Tgt Ion: 43 Resp: 34763
Ion Ratio Lower Upper
43 100
58 25.5 0.0 64.8

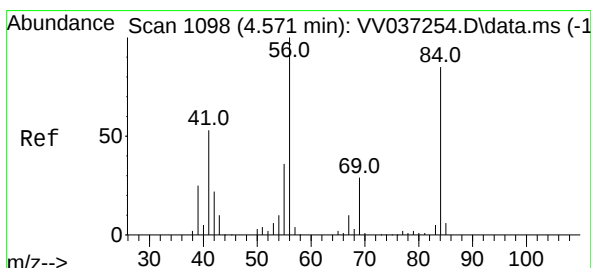
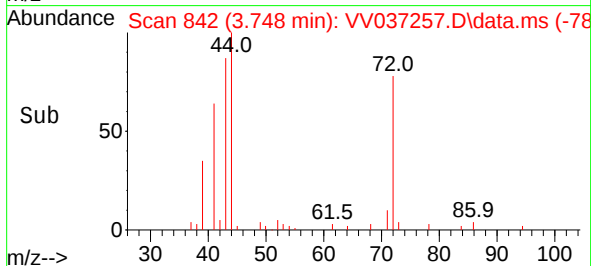
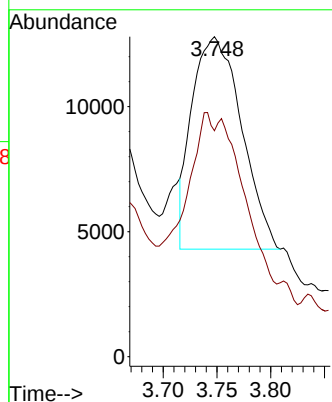
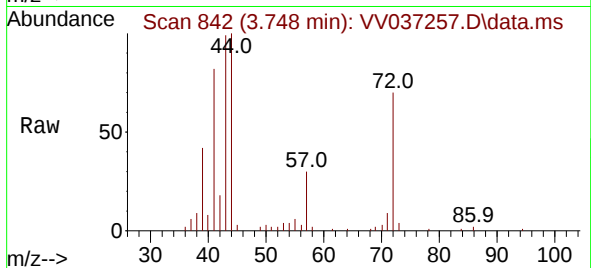




#22
2-Butanone
Concen: 9.490 ug/L
RT: 3.748 min Scan# 84
Delta R.T. -0.119 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

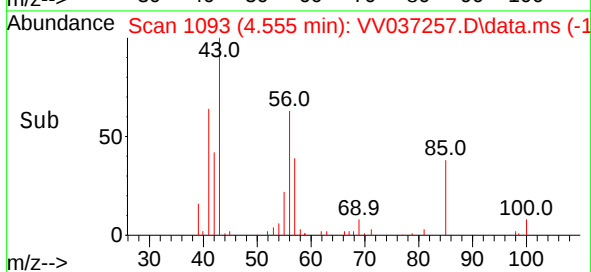
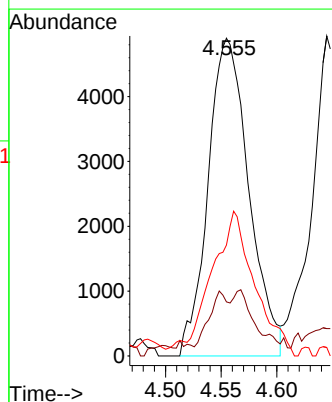
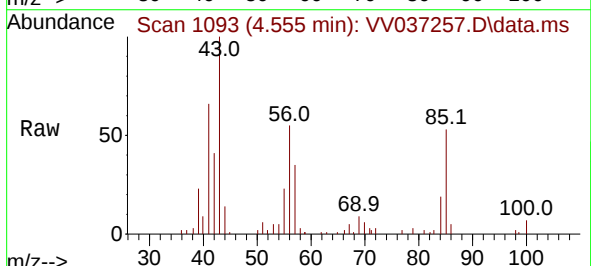
Instrument :
MSVOA_V
ClientSampleId :

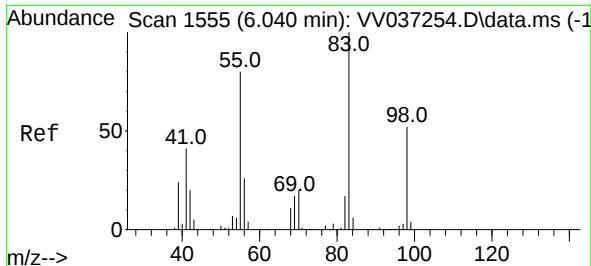
Tgt Ion: 43 Resp: 27195
Ion Ratio Lower Upper
43 100
72 16.7 12.7 38.0



#29
Cyclohexane
Concen: 1.562 ug/L
RT: 4.555 min Scan# 1093
Delta R.T. -0.016 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

Tgt Ion: 56 Resp: 12490
Ion Ratio Lower Upper
56 100
69 6.7 24.2 36.4#
84 47.1 69.8 104.8#





#35

Methylcyclohexane

Concen: 4.289 ug/L

RT: 6.034 min Scan# 1553

Delta R.T. -0.006 min

Lab File: VV037257.D

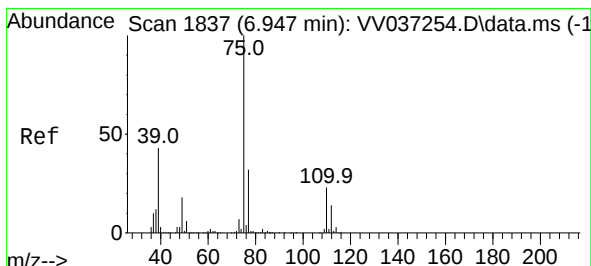
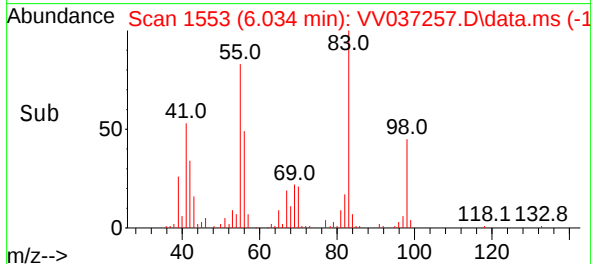
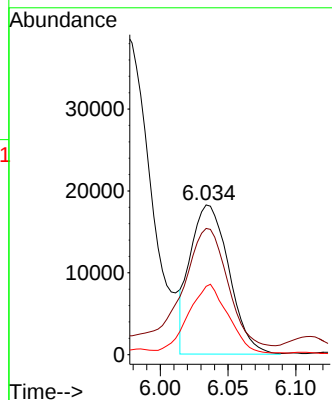
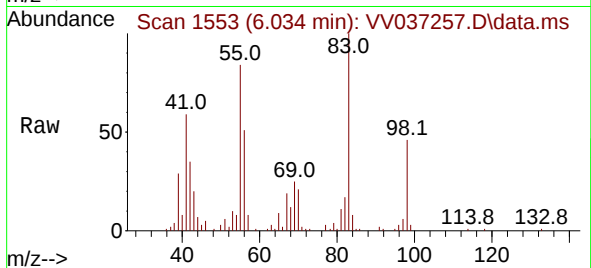
Acq: 12 Sep 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	36110
Ion	Ratio	Lower	Upper
83	100		
55	96.1	61.2	91.8#
98	50.1	39.3	58.9



#39

cis-1,3-Dichloropropene

Concen: 1.096 ug/L

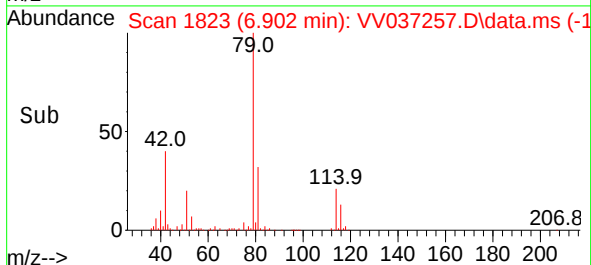
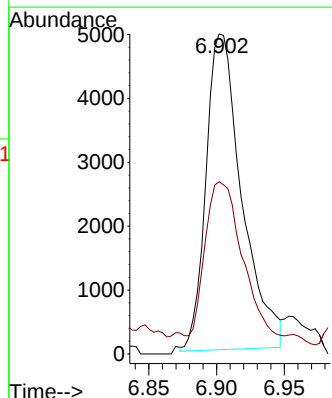
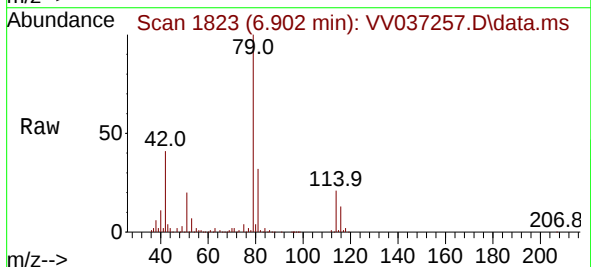
RT: 6.902 min Scan# 1823

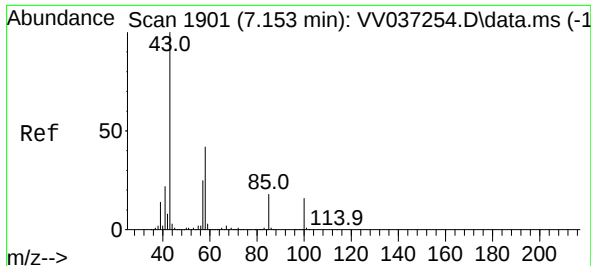
Delta R.T. -0.045 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Tgt Ion:	75	Resp:	9103
Ion	Ratio	Lower	Upper
75	100		
77	53.8	21.7	40.3#





#40

4-Methyl-2-pentanone

Concen: 26.453 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.010 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

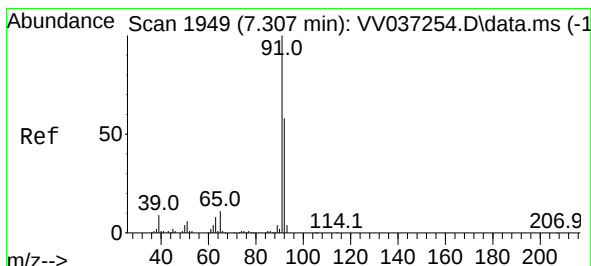
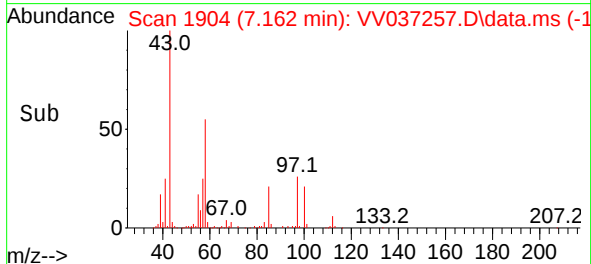
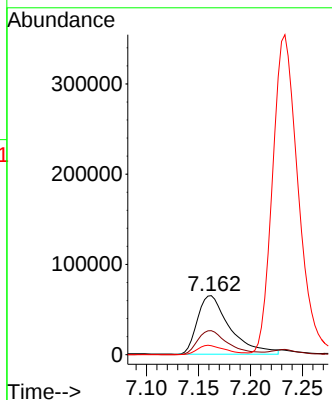
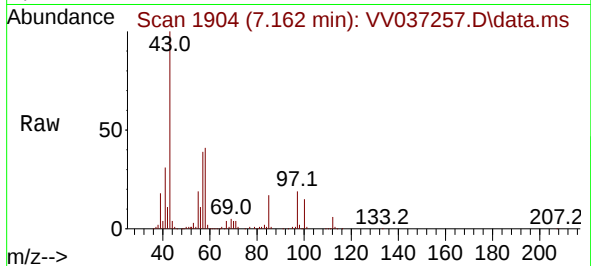
Tgt Ion: 43 Resp: 141533

Ion Ratio Lower Upper

43 100

58 38.7 32.0 48.0

100 14.1 12.4 18.6



#42

Toluene

Concen: 6.983 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV037257.D

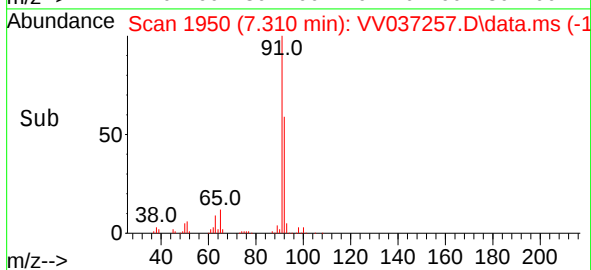
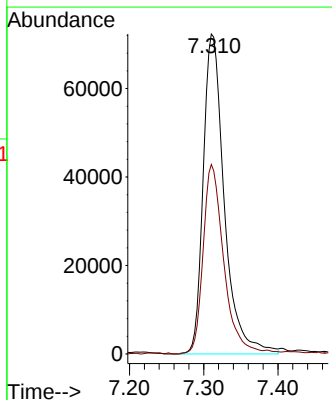
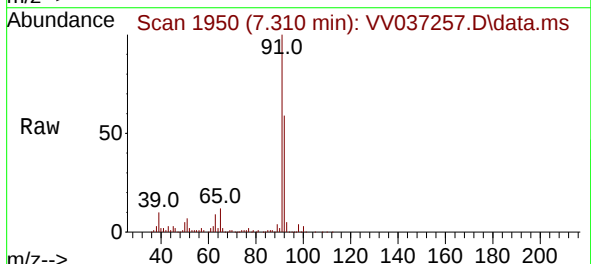
Acq: 12 Sep 2024 10:22

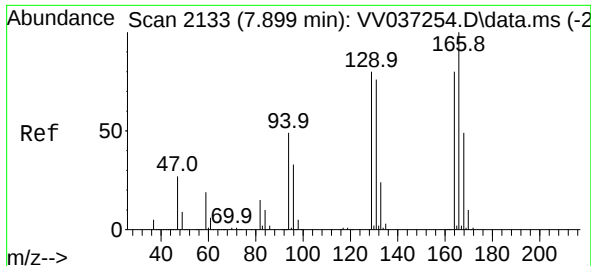
Tgt Ion: 91 Resp: 142721

Ion Ratio Lower Upper

91 100

92 59.2 40.8 75.8





#46

Tetrachloroethene

Concen: 1.402 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

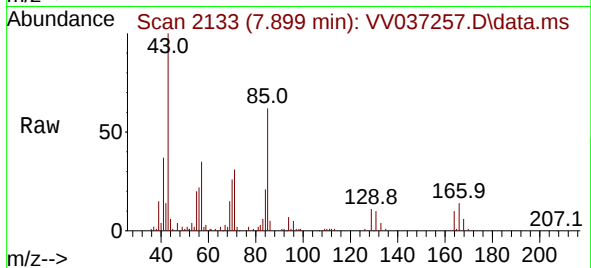
Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 5214

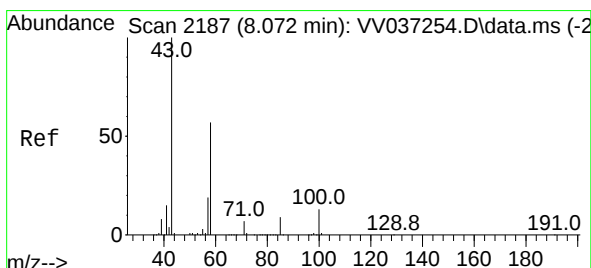
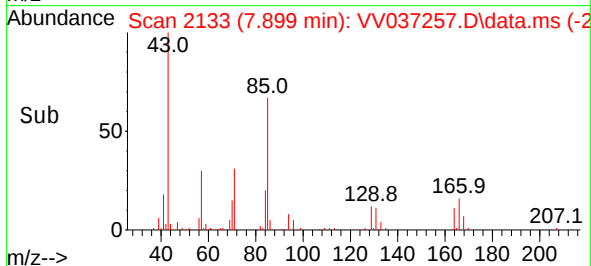
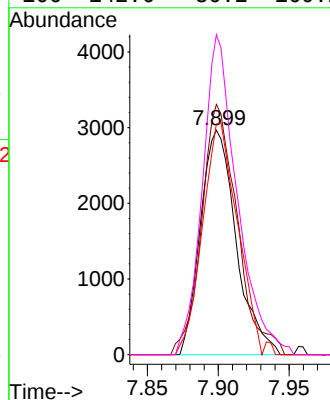
Ion Ratio Lower Upper

164 100

129 116.3 67.1 124.7

131 102.8 67.0 124.4

166 142.6 86.2 160.2



#48

2-Hexanone

Concen: 16.548 ug/L

RT: 8.130 min Scan# 2205

Delta R.T. 0.058 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Tgt Ion: 43 Resp: 68473

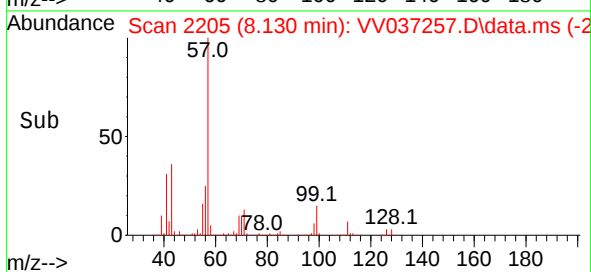
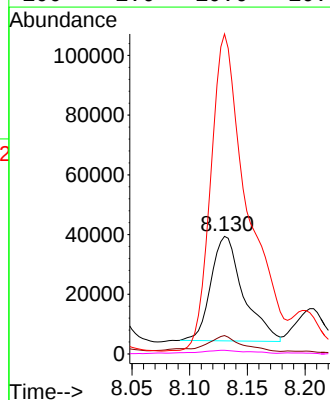
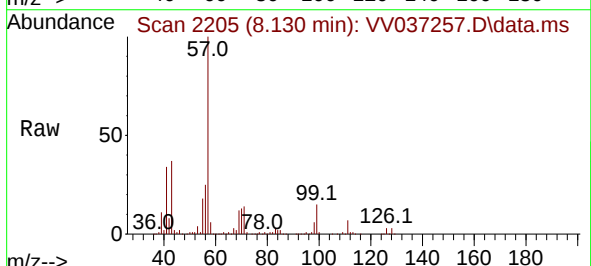
Ion Ratio Lower Upper

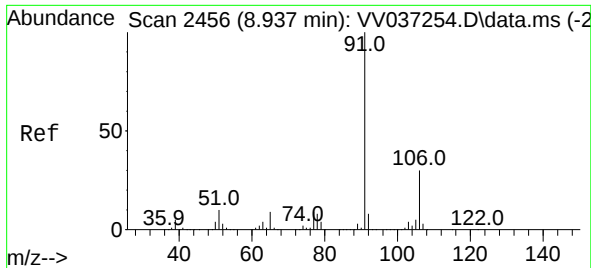
43 100

58 14.9 46.0 69.0#

57 345.5 15.6 23.4#

100 1.6 10.6 16.0#





#52

Ethylbenzene

Concen: 10.212 ug/L

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Instrument :

MSVOA_V

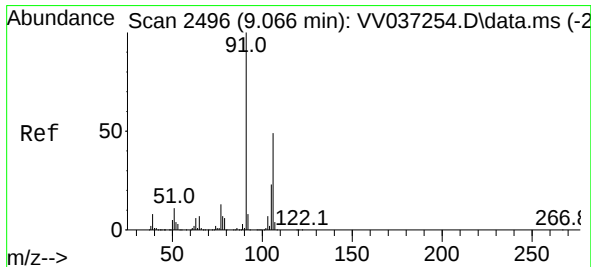
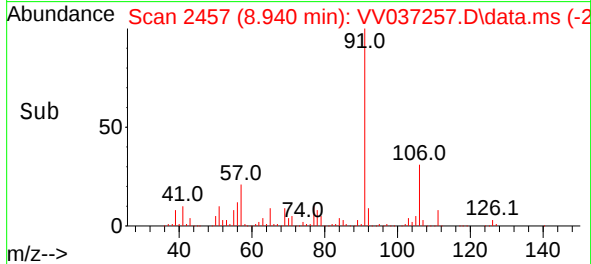
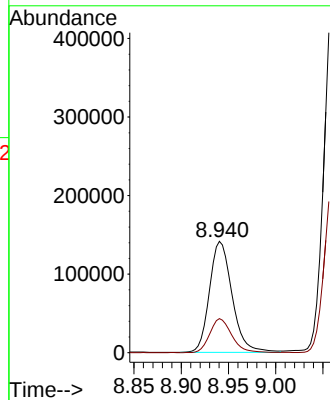
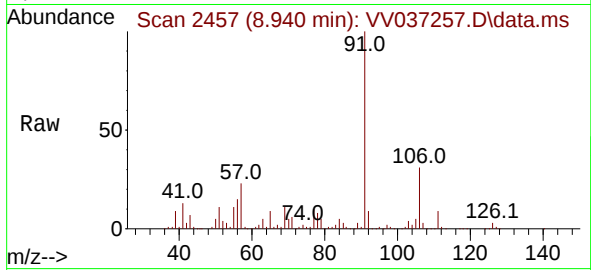
ClientSampleId :

Tgt Ion: 91 Resp: 235764

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 46.879 ug/L

RT: 9.063 min Scan# 2495

Delta R.T. -0.003 min

Lab File: VV037257.D

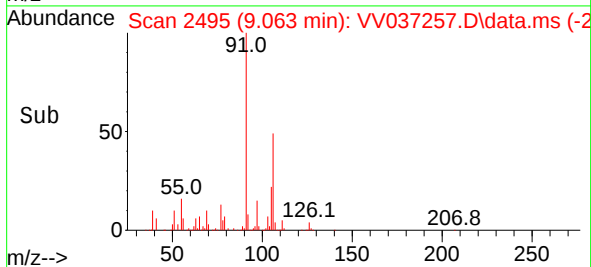
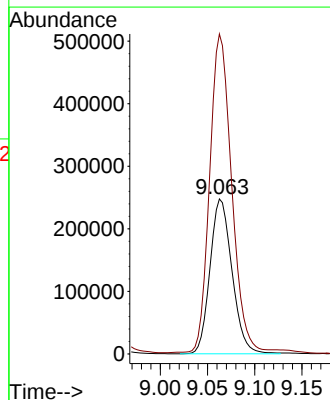
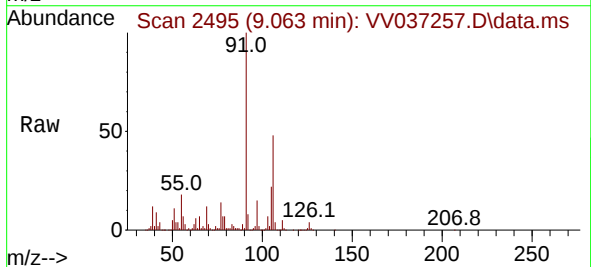
Acq: 12 Sep 2024 10:22

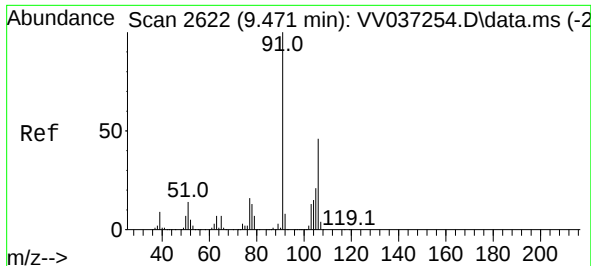
Tgt Ion:106 Resp: 401005

Ion Ratio Lower Upper

106 100

91 206.3 143.0 265.6

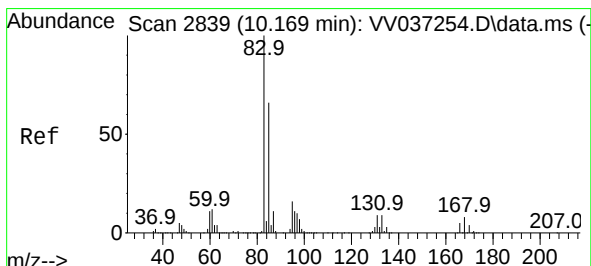
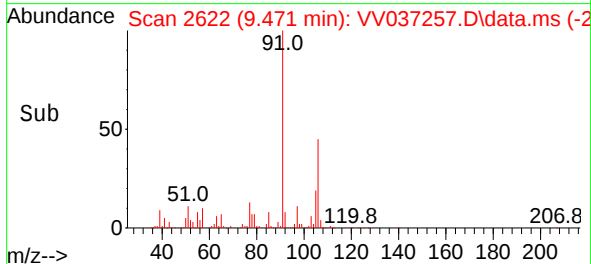
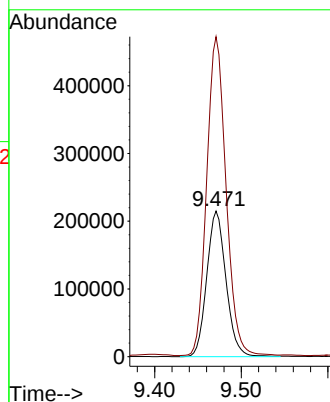
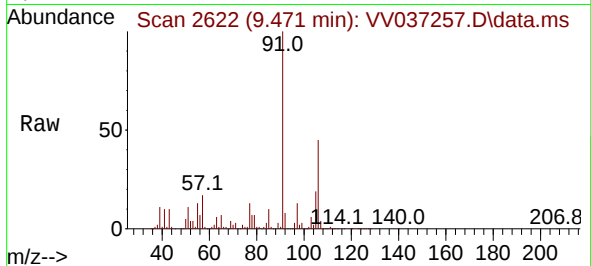




#54
o-Xylene
Concen: 39.589 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

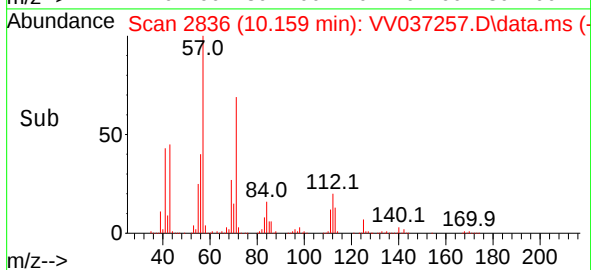
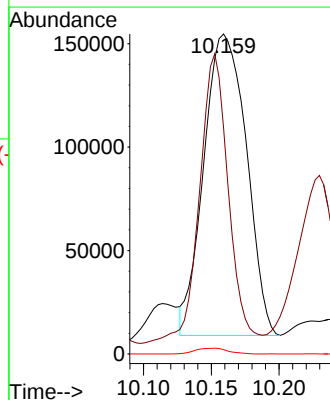
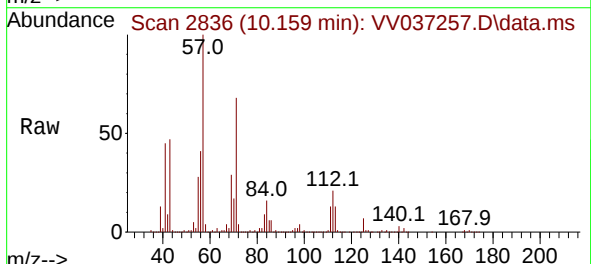
Instrument :
MSVOA_V
ClientSampleId :

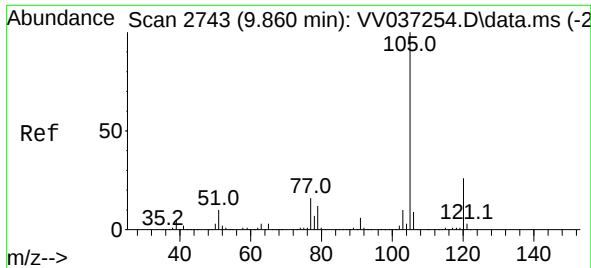
Tgt Ion:106 Resp: 331574
Ion Ratio Lower Upper
106 100
91 219.9 153.2 284.6



#57
1,1,2,2-Tetrachloroethane
Concen: 43.900 ug/L
RT: 10.159 min Scan# 2836
Delta R.T. -0.010 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

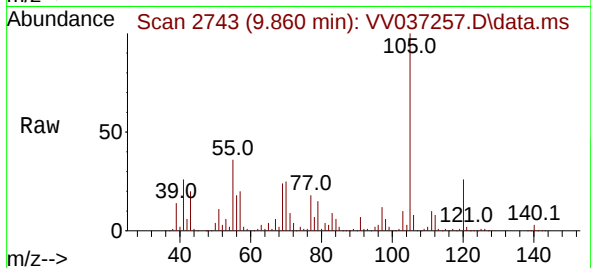
Tgt Ion: 83 Resp: 318530
Ion Ratio Lower Upper
83 100
85 70.7 45.1 83.7
131 1.5 7.4 11.0#



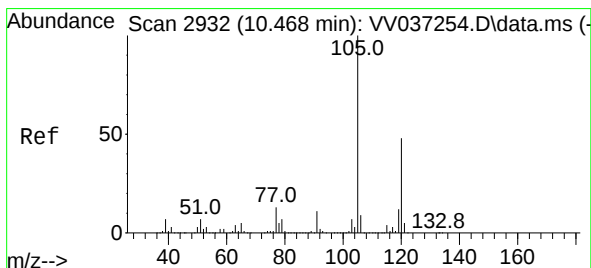
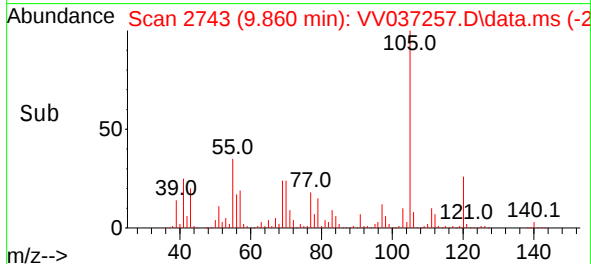
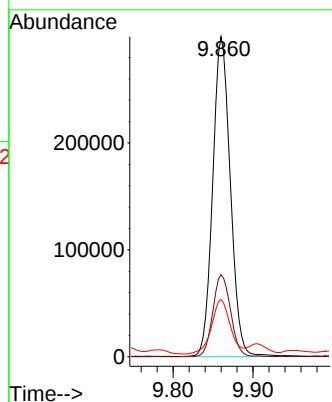


#60
Isopropylbenzene
Concen: 16.727 ug/L
RT: 9.860 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

Instrument :
MSVOA_V
ClientSampleId :

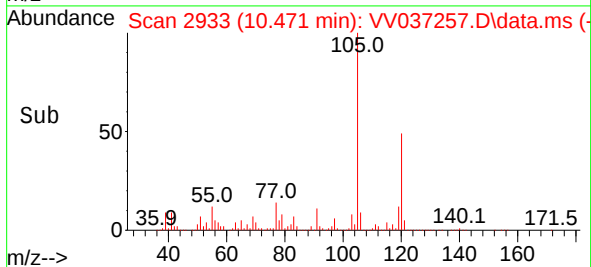
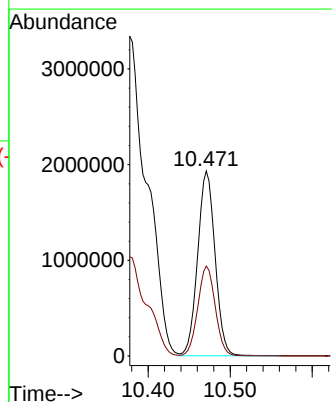
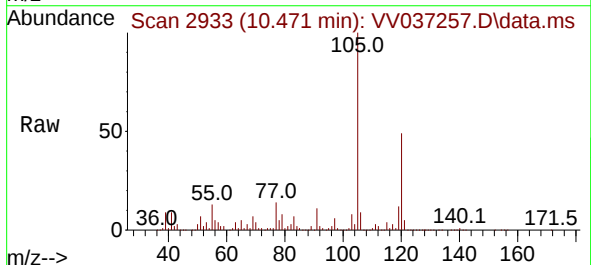


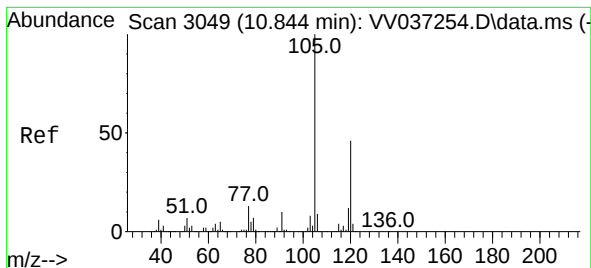
Tgt Ion:105 Resp: 457462
Ion Ratio Lower Upper
105 100
120 25.8 20.9 31.3
77 18.1 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 126.965 ug/L
RT: 10.471 min Scan# 2933
Delta R.T. 0.003 min
Lab File: VV037257.D
Acq: 12 Sep 2024 10:22

Tgt Ion:105 Resp: 2840893
Ion Ratio Lower Upper
105 100
120 48.7 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 366.949 ug/L

RT: 10.847 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Instrument :

MSVOA_V

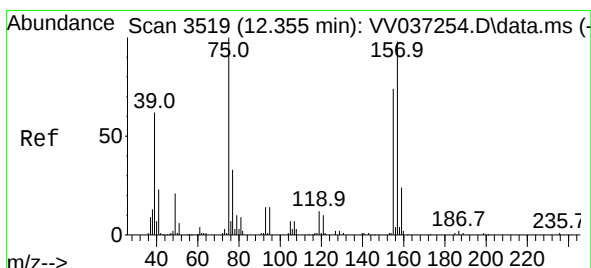
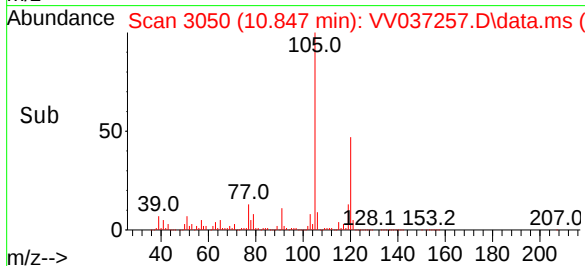
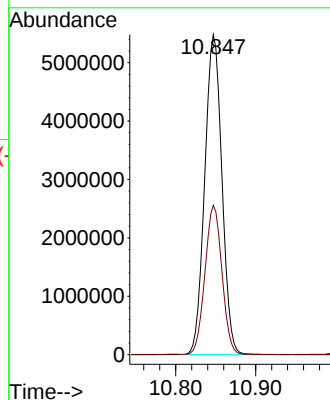
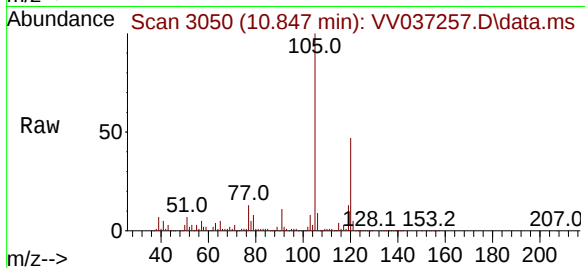
ClientSampleId :

Tgt Ion:105 Resp: 8193857

Ion Ratio Lower Upper

105 100

120 46.1 35.8 53.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.271 ug/L

RT: 12.345 min Scan# 3516

Delta R.T. -0.010 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

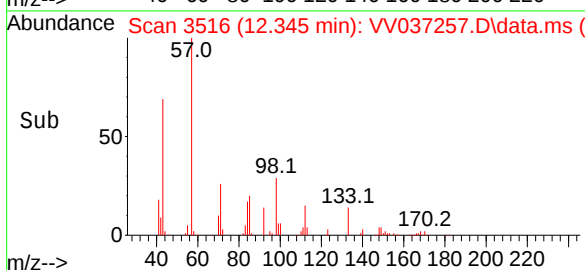
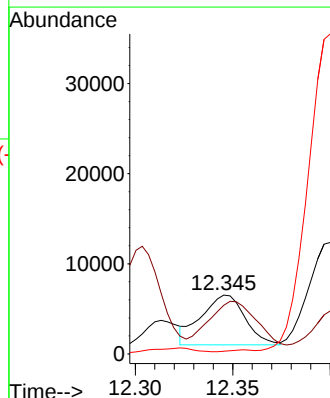
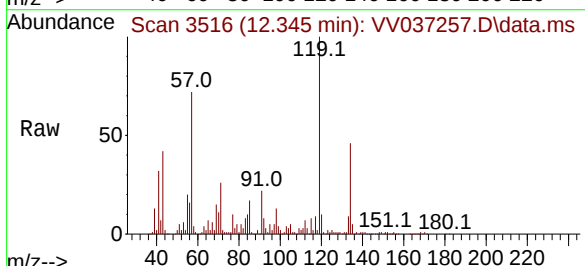
Tgt Ion: 75 Resp: 8627

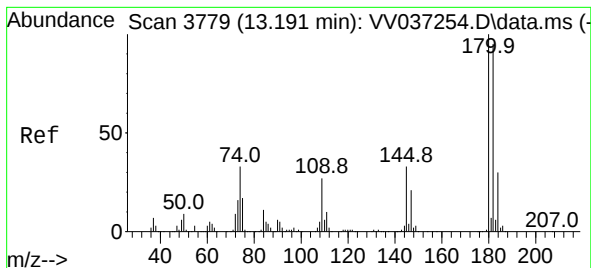
Ion Ratio Lower Upper

75 100

155 82.8 61.8 92.6

157 4.8 82.5 123.7#





#70

1,2,4-trichlorobenzene

Concen: 1.543 ug/L

RT: 13.197 min Scan# 3779

Delta R.T. 0.006 min

Lab File: VV037257.D

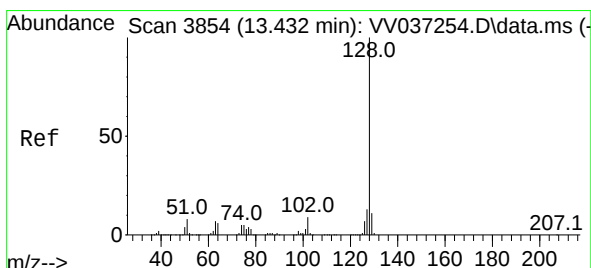
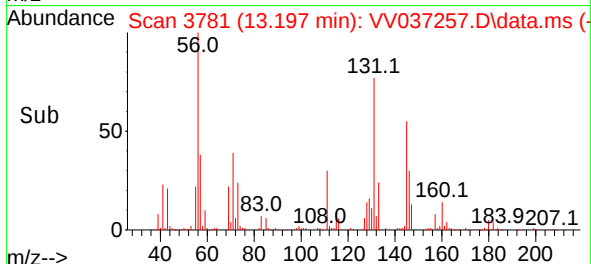
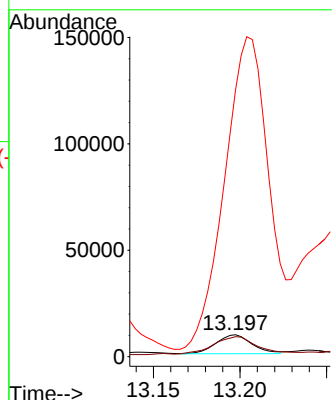
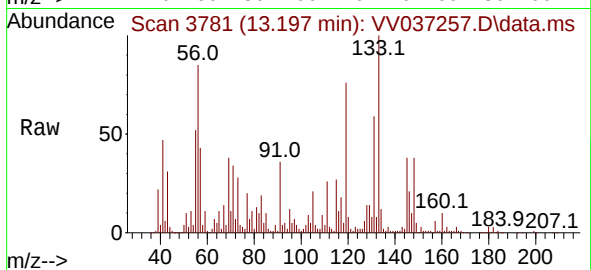
Acq: 12 Sep 2024 10:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 12769
 Ion Ratio Lower Upper
 180 100
 182 112.6 75.7 113.5
 145 2026.0 26.0 39.0#



#71

Naphthalene

Concen: 53.030 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV037257.D

Acq: 12 Sep 2024 10:22

Tgt Ion:128 Resp: 1267021
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.2 15.2
 129 13.2 8.8 13.2

