

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062524\
 Data File : VW036280.D
 Acq On : 25 Jun 2024 19:05
 Operator : SY/MD
 Sample : P2962-15
 Misc : 5.21g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 26 04:24:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 04:03:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	753399	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	764945	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	387534	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	214588	15.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.960%
7) Chloroethane-d5	1.529	69	177720	16.091	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.360%
11) 1,1-Dichloroethene-d2	2.053	65	92000	14.920	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.680%
21) 2-Butanone-d5	3.841	46	103515	32.573	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.140%
24) Chloroform-d	4.246	84	419883	17.530	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.120%
26) 1,2-Dichloroethane-d4	4.937	65	247251	19.688	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.760%
32) Benzene-d6	4.957	84	844431	18.571	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.280%
36) 1,2-Dichloropropane-d6	5.986	67	286117	19.982	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.920%
41) Toluene-d8	7.240	98	935366	23.314	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.240%
43) trans-1,3-Dichloroprop...	7.551	79	154916	26.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.560%
47) 2-Hexanone-d5	8.027	63	117207	60.415	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.840%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	524765	49.043	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	196.160%#
66) 1,2-Dichlorobenzene-d4	11.561	152	340442	23.956	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.840%
Target Compounds						
					Qvalue	
13) Acetone	2.159	43	40227	8.126	ug/L	93
29) Cyclohexane	4.568	56	223716	12.283	ug/L #	45
35) Methylcyclohexane	6.043	83	885237	41.748	ug/L #	91
40) 4-Methyl-2-pentanone	7.188	43	262970	36.845	ug/L #	1
45) 1,1,2-Trichloroethane	7.715	97	1134093	104.336	ug/L #	19
46) Tetrachloroethene	7.908	164	11365	1.013	ug/L	94
48) 2-Hexanone	8.140	43	765987	137.279	ug/L #	1
49) Dibromochloromethane	8.140	129	6904	0.580	ug/L #	55
52) Ethylbenzene	8.950	91	23624	0.432	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.175	83	522010	53.634	ug/L #	41
60) Isopropylbenzene	9.866	105	482851	9.712	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	443729	12.308	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	1120036	28.834	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.355	75	30203	14.737	ug/L #	1
70) 1,2,4-trichlorobenzene	13.159	180	13660	0.888	ug/L #	1
71) Naphthalene	13.439	128	1226678	48.879	ug/L #	77
72) 1,2,3-Trichlorobenzene	13.709	180	52531	3.743	ug/L #	1

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QLast Update : Wed Jun 26 04:03:41 2024
Response via : Initial Calibration

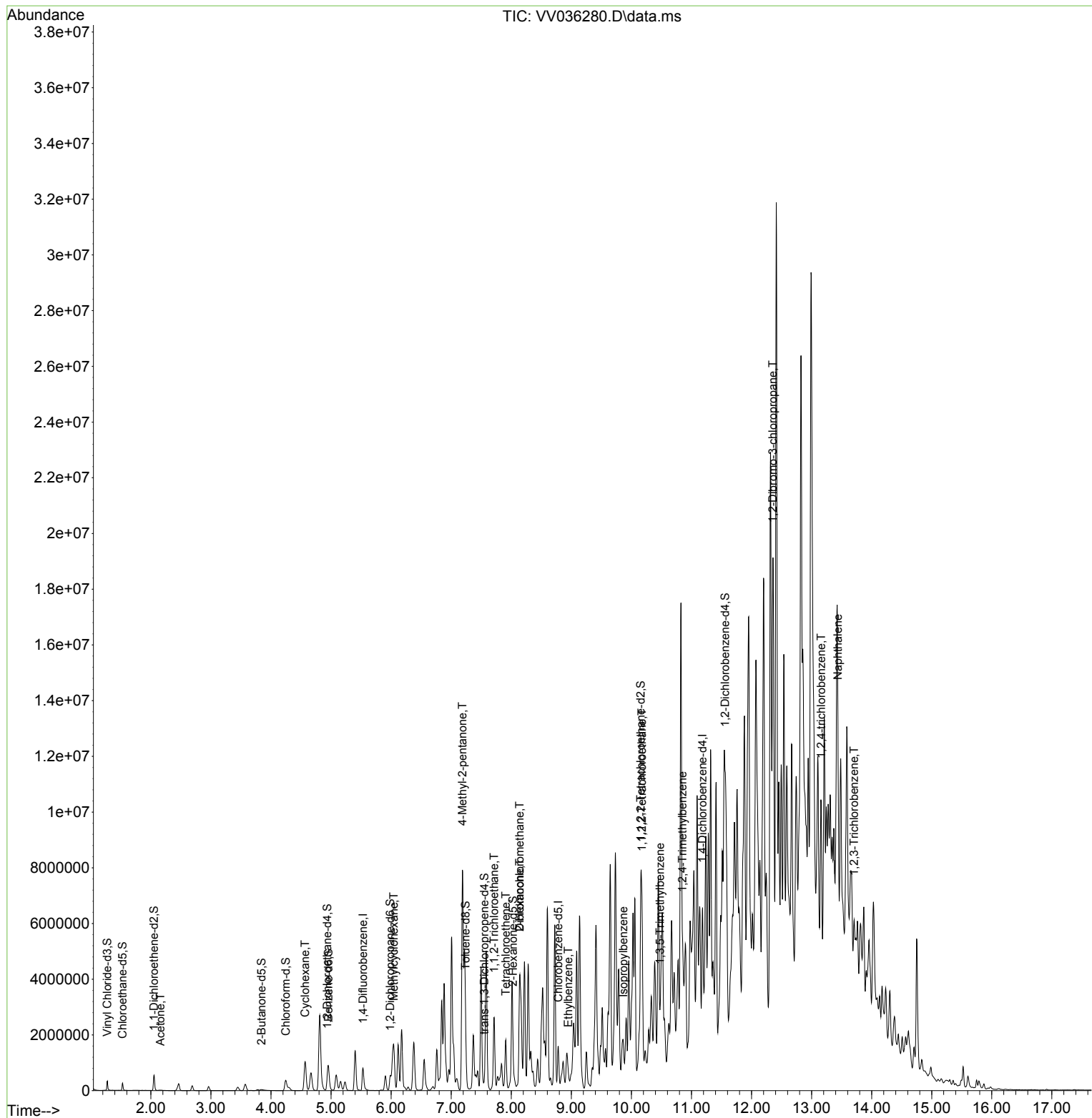
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

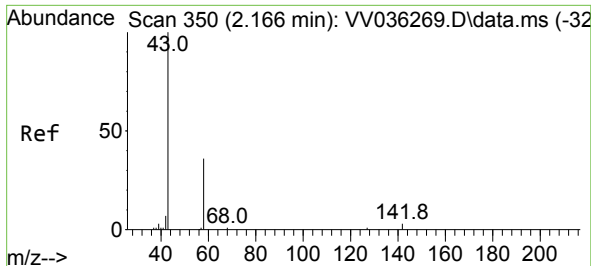
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 8.126 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.006 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Instrument :

MSVOA_V

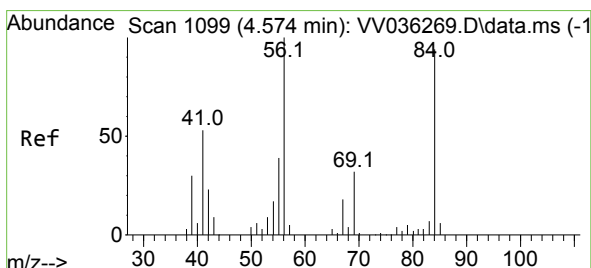
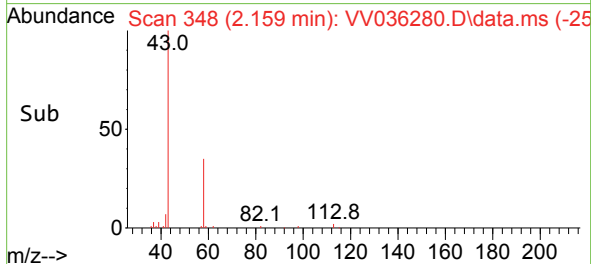
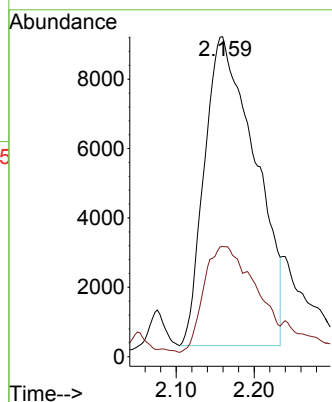
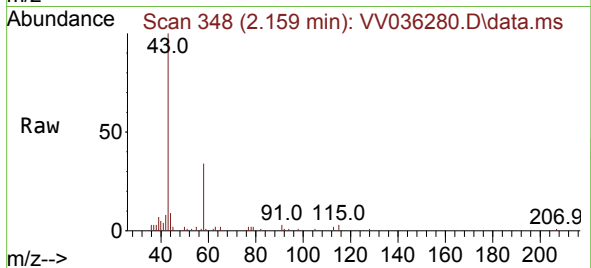
ClientSampleId :

Tgt Ion: 43 Resp: 40227

Ion Ratio Lower Upper

43 100

58 14.7 0.0 24.2



#29

Cyclohexane

Concen: 12.283 ug/L

RT: 4.568 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

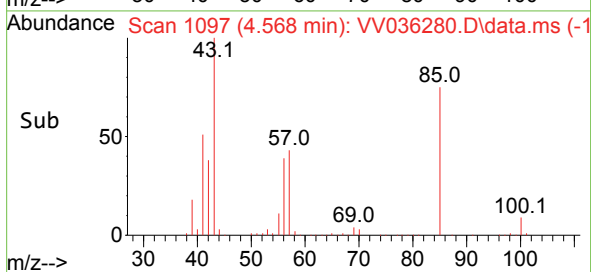
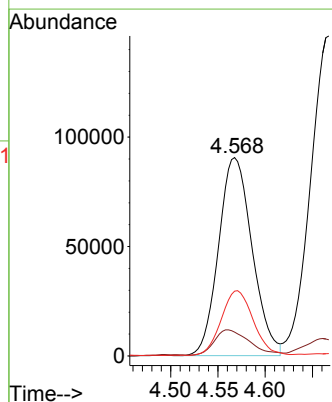
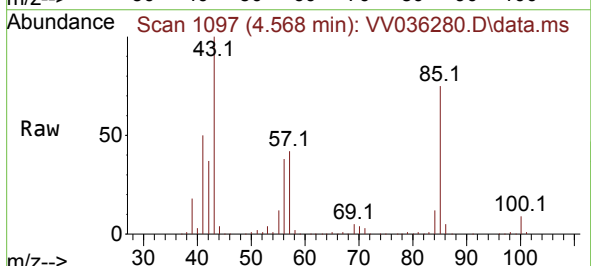
Tgt Ion: 56 Resp: 223716

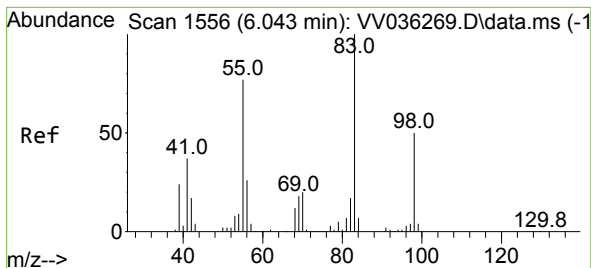
Ion Ratio Lower Upper

56 100

69 13.3 25.2 37.8#

84 31.1 72.2 108.2#





#35

Methylcyclohexane

Concen: 41.748 ug/L

RT: 6.043 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Instrument :

MSVOA_V

ClientSampleId :

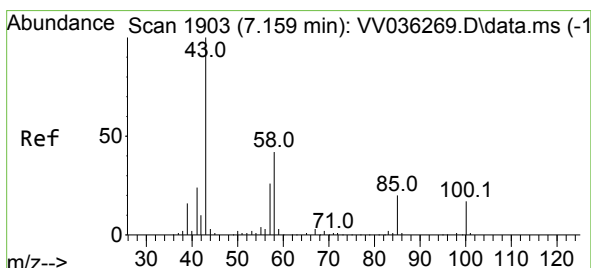
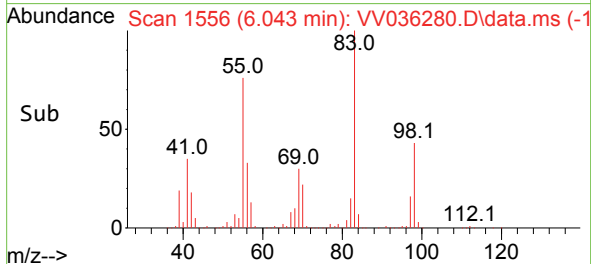
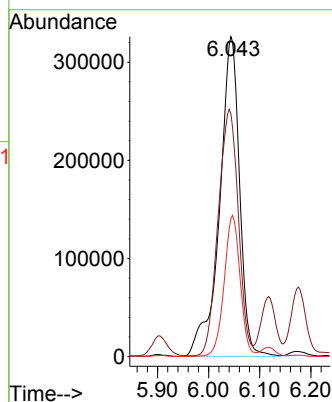
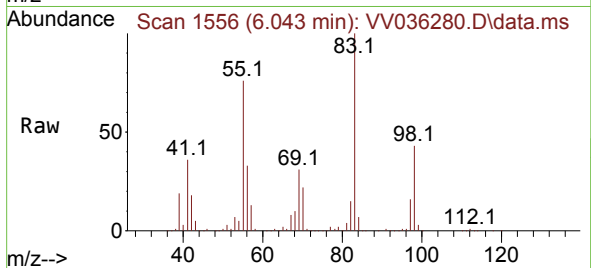
Tgt Ion: 83 Resp: 885237

Ion Ratio Lower Upper

83 100

55 77.5 60.7 91.1

98 35.4 38.7 58.1#



#40

4-Methyl-2-pentanone

Concen: 36.845 ug/L

RT: 7.188 min Scan# 1912

Delta R.T. 0.029 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

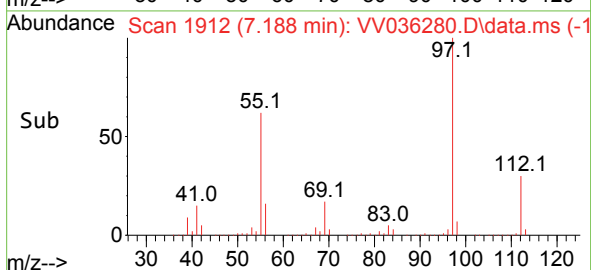
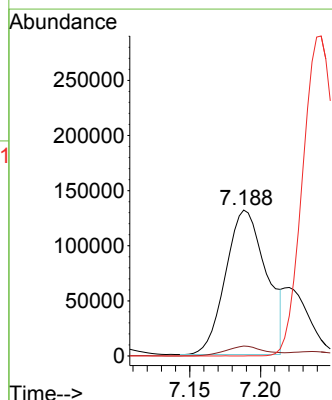
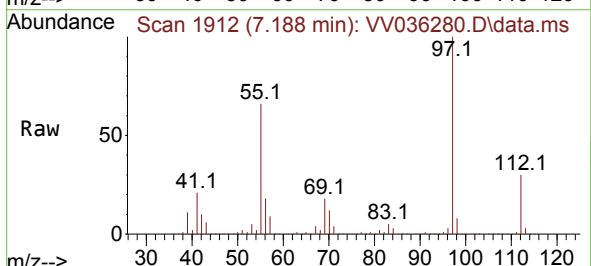
Tgt Ion: 43 Resp: 262970

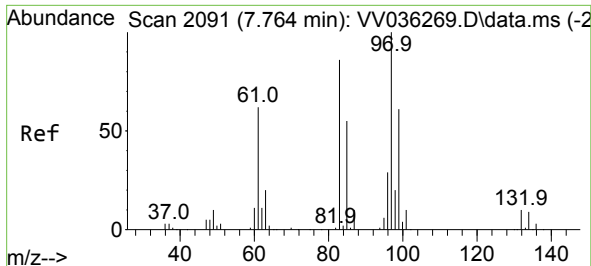
Ion Ratio Lower Upper

43 100

58 6.7 32.5 48.7#

100 197.4 12.5 18.7#





#45

1,1,2-Trichloroethane

Concen: 104.336 ug/L

RT: 7.715 min Scan# 2091

Delta R.T. -0.048 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1134093

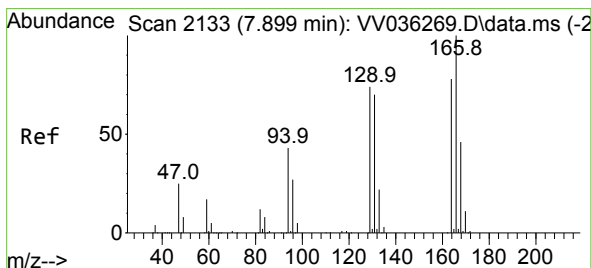
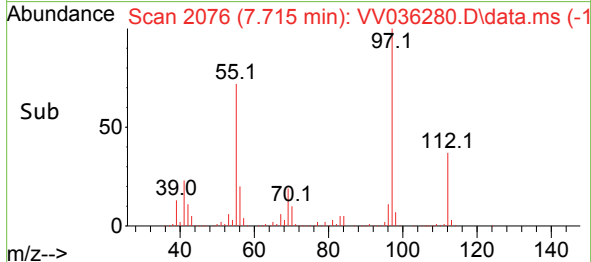
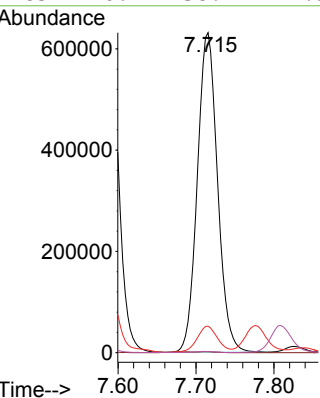
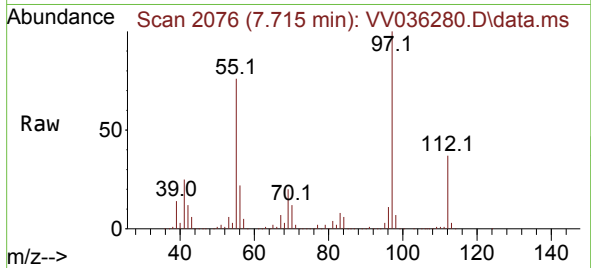
Ion Ratio Lower Upper

97 100

99 0.3 43.3 80.5#

83 8.3 60.1 111.7#

85 0.4 38.9 72.3#



#46

Tetrachloroethene

Concen: 1.013 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.010 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Tgt Ion:164 Resp: 11365

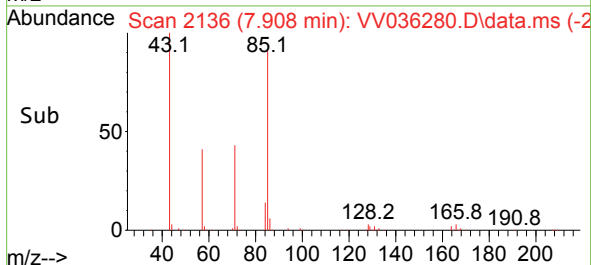
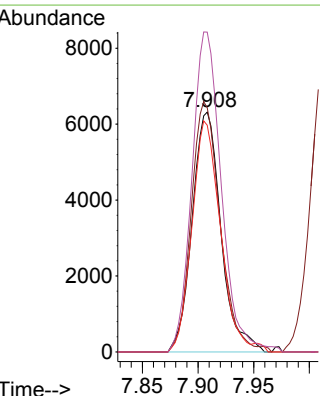
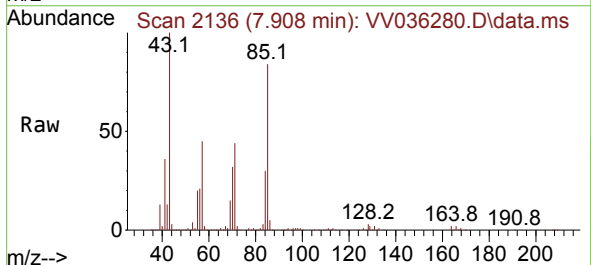
Ion Ratio Lower Upper

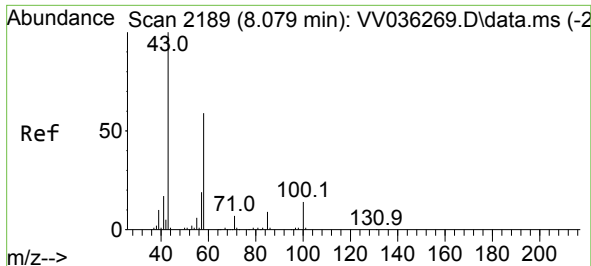
164 100

129 101.9 64.6 120.0

131 94.6 63.2 117.4

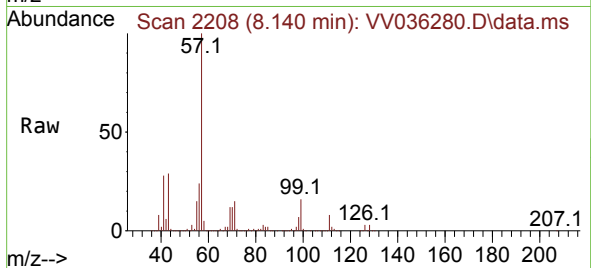
166 133.4 89.5 166.3



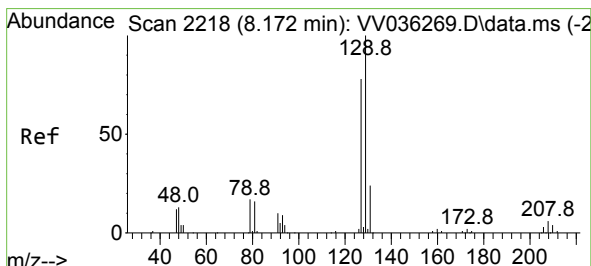
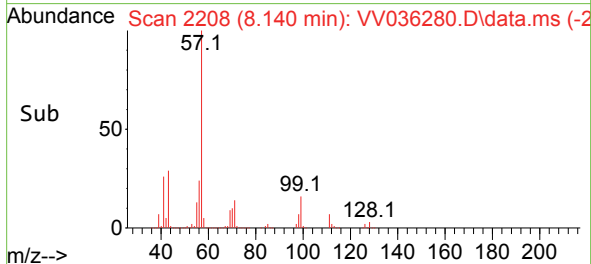
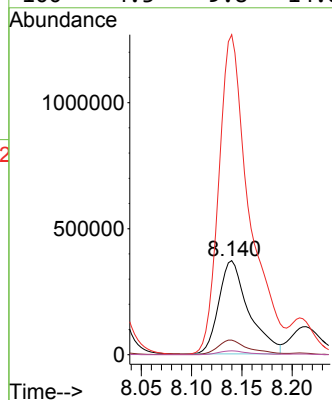


#48
2-Hexanone
Concen: 137.279 ug/L
RT: 8.140 min Scan# 2189
Delta R.T. 0.061 min
Lab File: VV036280.D
Acq: 25 Jun 2024 19:05

Instrument :
MSVOA_V
ClientSampleId :

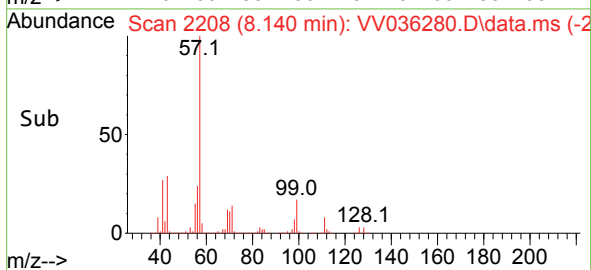
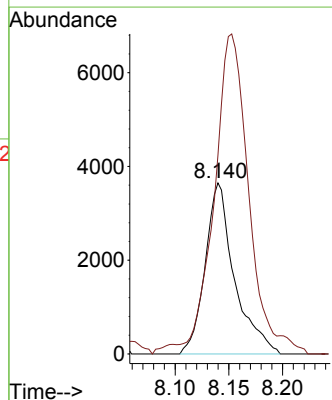
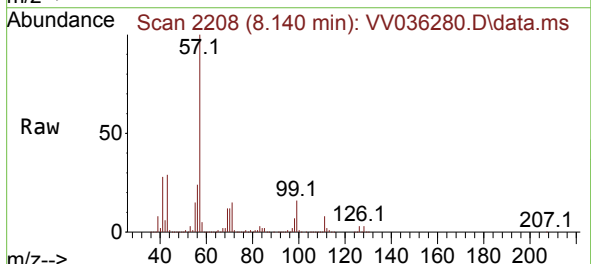


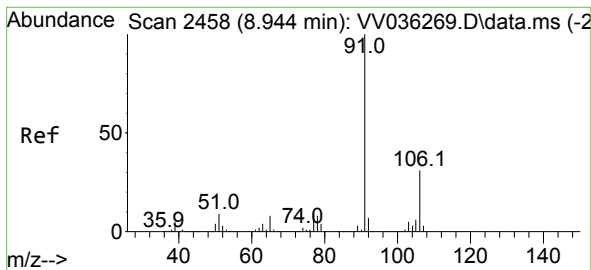
Tgt Ion: 43 Resp: 765987
Ion Ratio Lower Upper
43 100
58 15.8 45.4 68.0#
57 351.1 15.8 23.8#
100 4.3 9.8 14.8#



#49
Dibromochloromethane
Concen: 0.580 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. -0.032 min
Lab File: VV036280.D
Acq: 25 Jun 2024 19:05

Tgt Ion: 129 Resp: 6904
Ion Ratio Lower Upper
129 100
127 116.3 53.9 100.1#





#52

Ethylbenzene

Concen: 0.432 ug/L

RT: 8.950 min Scan# 2458

Delta R.T. 0.006 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Instrument :

MSVOA_V

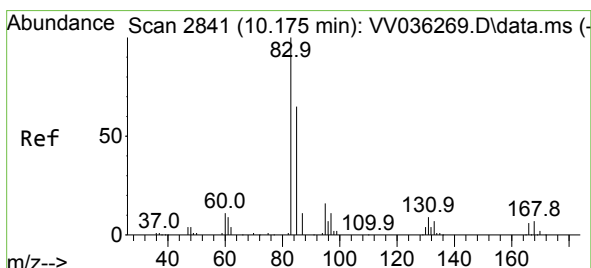
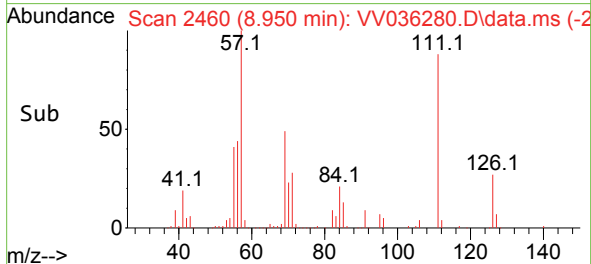
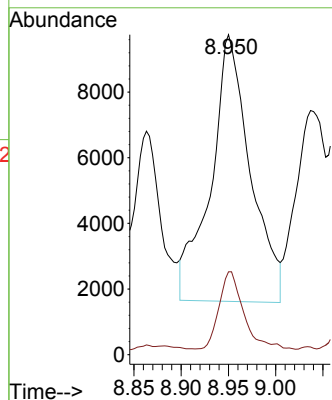
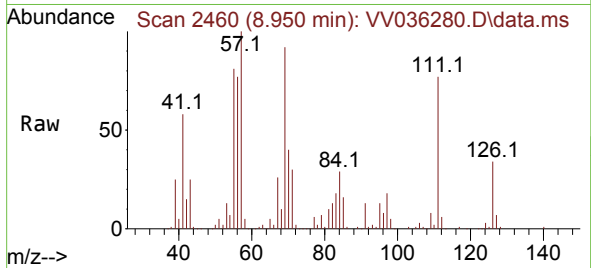
ClientSampleId :

Tgt Ion: 91 Resp: 23624

Ion Ratio Lower Upper

91 100

106 25.9 21.6 40.0



#57

1,1,2,2-Tetrachloroethane

Concen: 53.634 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

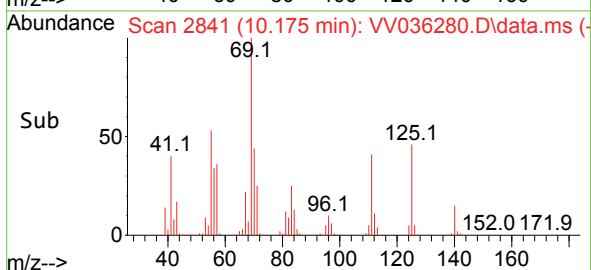
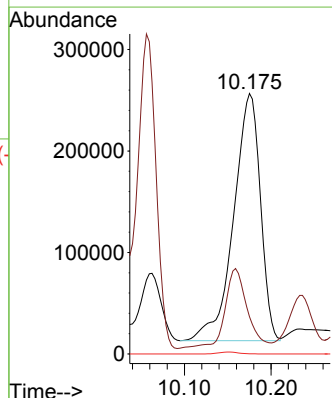
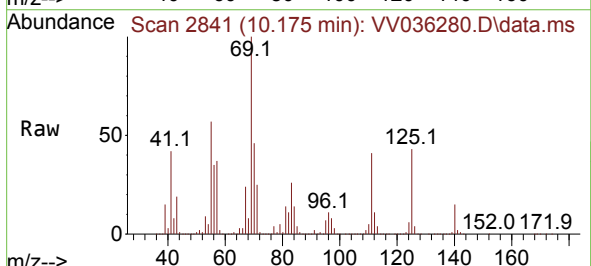
Tgt Ion: 83 Resp: 522010

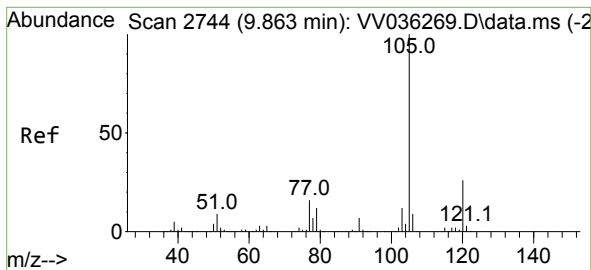
Ion Ratio Lower Upper

83 100

85 14.3 45.1 83.7#

131 0.1 7.6 11.4#





#60

Isopropylbenzene

Concen: 9.712 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Instrument :

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ClientSampleId :

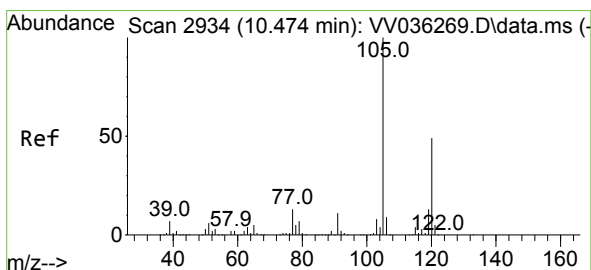
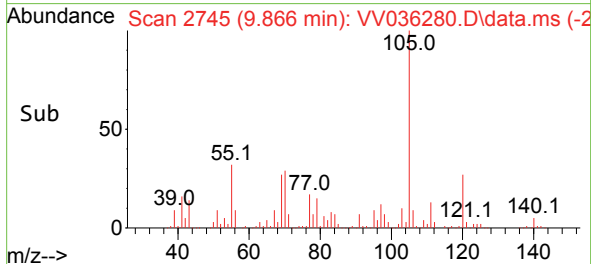
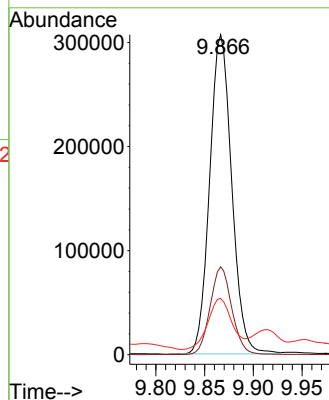
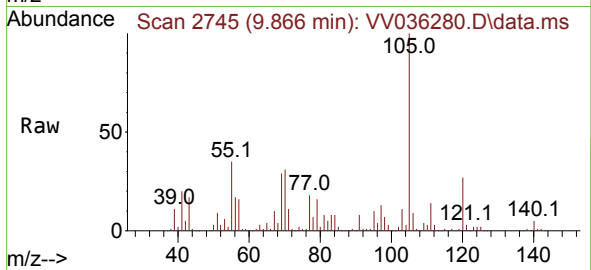
Tgt Ion:105 Resp: 482851

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

77 17.5 12.6 18.8



#62

1,3,5-Trimethylbenzene

Concen: 12.308 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV036280.D

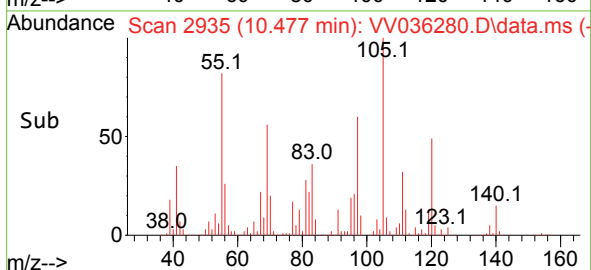
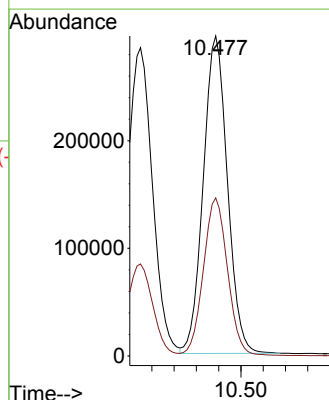
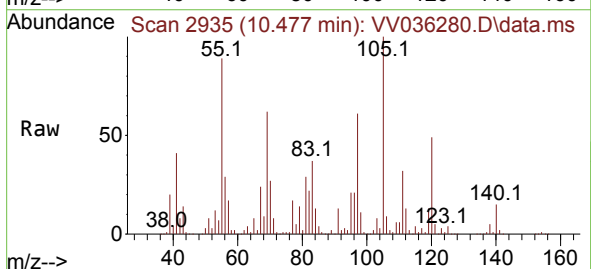
Acq: 25 Jun 2024 19:05

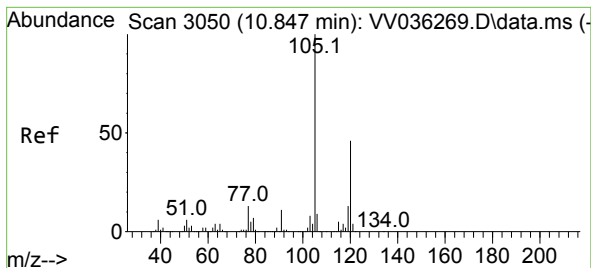
Tgt Ion:105 Resp: 443729

Ion Ratio Lower Upper

105 100

120 49.7 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 28.834 ug/L

RT: 10.850 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

Instrument :

MSVOA_V

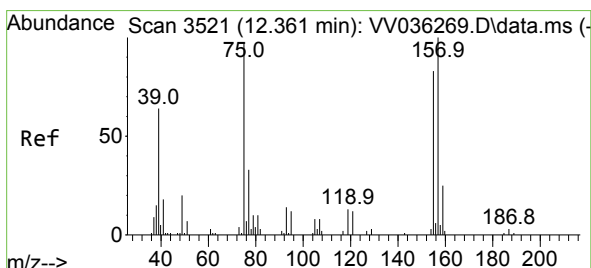
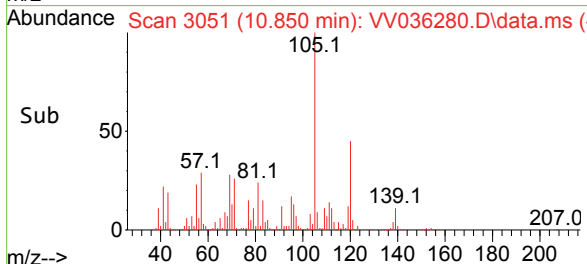
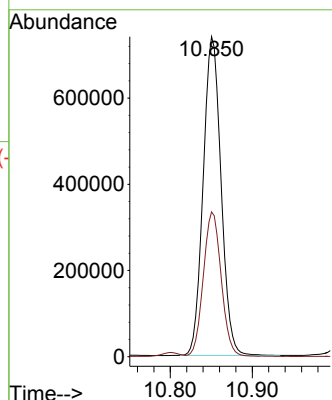
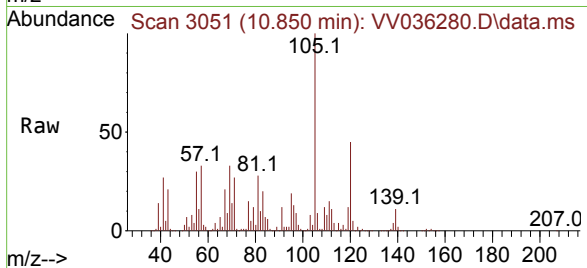
ClientSampleId :

Tgt Ion:105 Resp: 1120036

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4



#68

1,2-Dibromo-3-chloropropane

Concen: 14.737 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. -0.006 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

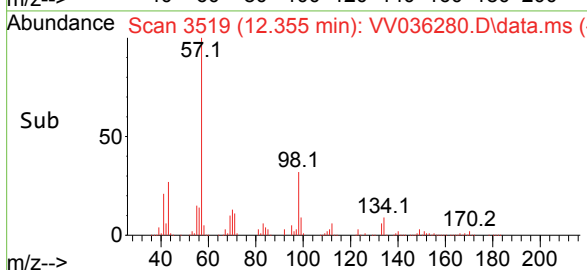
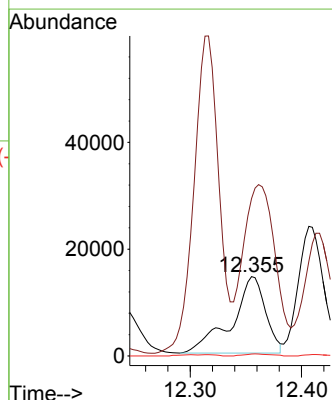
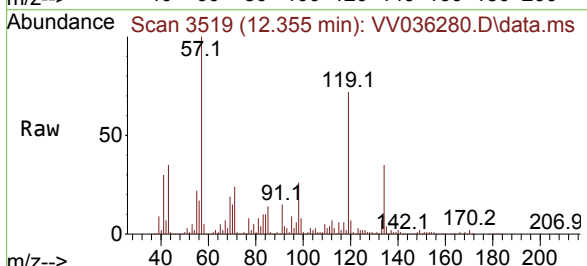
Tgt Ion: 75 Resp: 30203

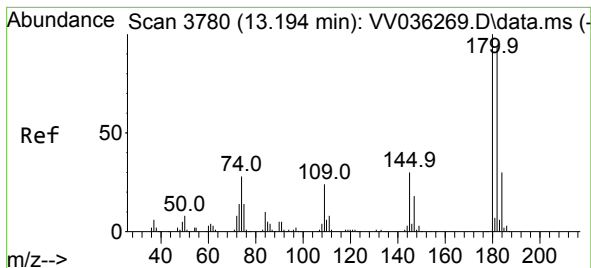
Ion Ratio Lower Upper

75 100

155 198.3 63.3 94.9#

157 2.3 82.4 123.6#





#70

1,2,4-trichlorobenzene

Concen: 0.888 ug/L

RT: 13.159 min Scan# 31

Delta R.T. -0.035 min

Lab File: VV036280.D

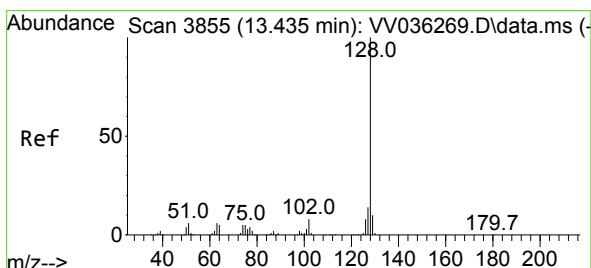
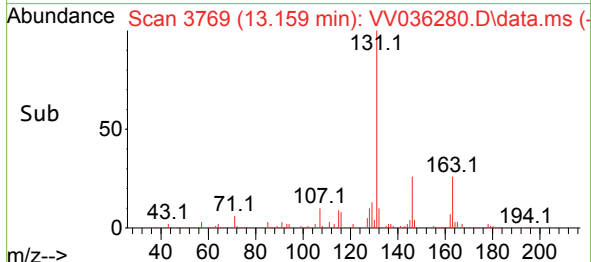
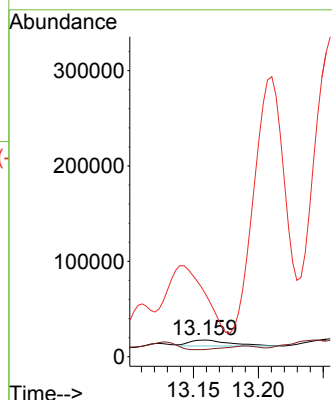
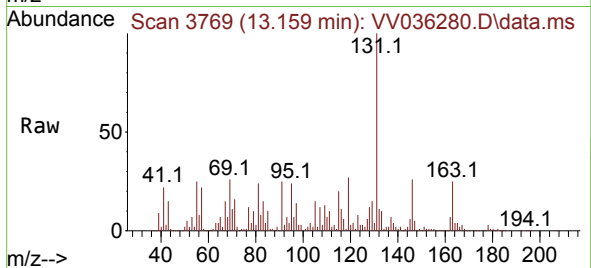
Acq: 25 Jun 2024 19:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 13660
Ion Ratio Lower Upper
180 100
182 49.8 76.1 114.1#
145 3709.5 23.5 35.3#



#71

Naphthalene

Concen: 48.879 ug/L

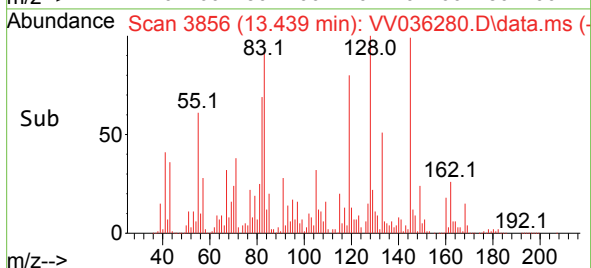
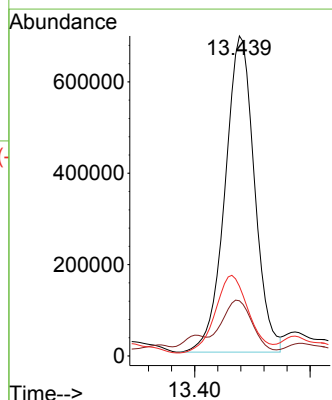
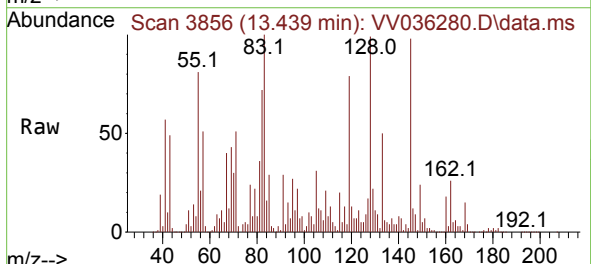
RT: 13.439 min Scan# 3856

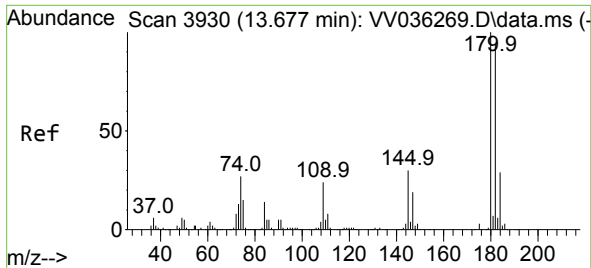
Delta R.T. 0.003 min

Lab File: VV036280.D

Acq: 25 Jun 2024 19:05

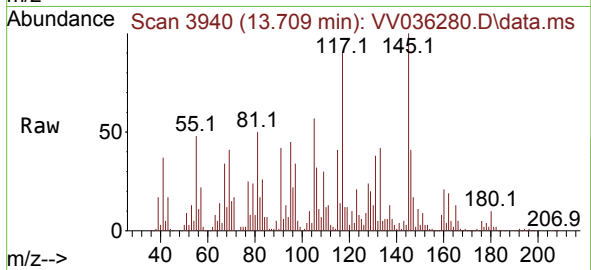
Tgt Ion:128 Resp: 1226678
Ion Ratio Lower Upper
128 100
127 15.6 10.6 16.0
129 27.8 8.8 13.2#





#72
 1,2,3-Trichlorobenzene
 Concen: 3.743 ug/L
 RT: 13.709 min Scan# 3940
 Delta R.T. 0.032 min
 Lab File: VV036280.D
 Acq: 25 Jun 2024 19:05

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 52531
 Ion Ratio Lower Upper
 180 100
 182 24.5 75.1 112.7#
 145 1326.5 25.2 37.8#

