

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036072.D
 Acq On : 13 Jun 2024 20:17
 Operator : SY/MD
 Sample : P2856-02
 Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 03:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

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

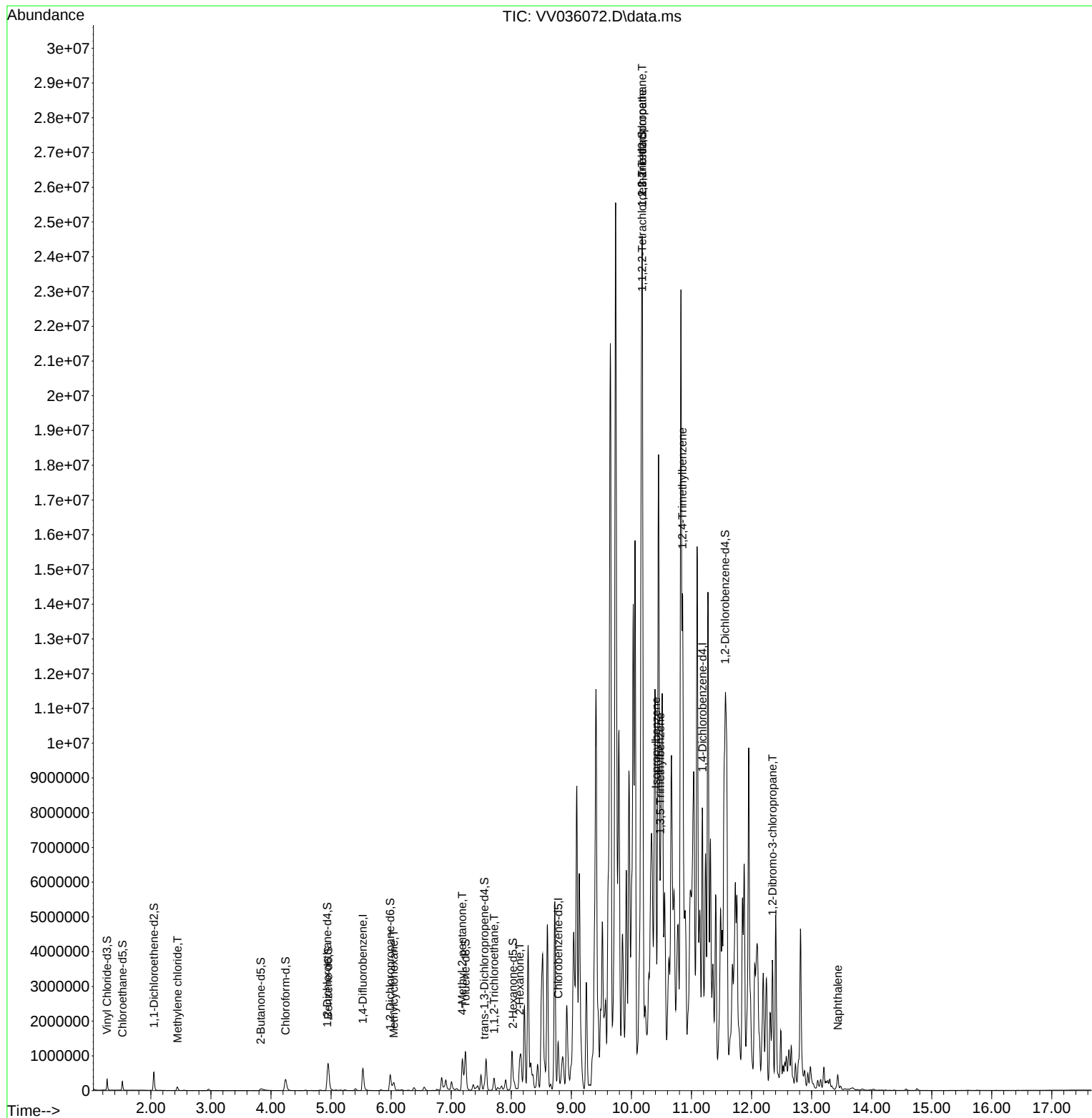
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	570037	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	637341	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	368501	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	209498	19.990	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.960%
7) Chloroethane-d5	1.526	69	168618	20.178	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.720%
11) 1,1-Dichloroethene-d2	2.050	65	91590	19.631	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.520%
21) 2-Butanone-d5	3.831	46	74617	31.032	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.060%
24) Chloroform-d	4.243	84	363238	20.043	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.160%
26) 1,2-Dichloroethane-d4	4.937	65	204361	21.508	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.040%
32) Benzene-d6	4.953	84	704302	18.591	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.360%
36) 1,2-Dichloropropane-d6	5.985	67	249532	20.916	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.680%
41) Toluene-d8	7.239	98	678588	20.300	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	7.551	79	105146	21.495	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.960%
47) 2-Hexanone-d5	8.030	63	84491	52.271	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.540%
56) 1,1,2,2-Tetrachloroeth...	10.178	84	1162232	130.366	ug/L	0.03
Spiked Amount	25.000	Range	45 - 120	Recovery	=	521.480%#
66) 1,2-Dichlorobenzene-d4	11.561	152	299013	22.127	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.520%
Target Compounds						Qvalue
16) Methylene chloride	2.442	84	45188	3.503	ug/L	99
35) Methylcyclohexane	6.043	83	88581	5.014	ug/L #	85
40) 4-Methyl-2-pentanone	7.185	43	37799	6.356	ug/L #	44
45) 1,1,2-Trichloroethane	7.715	97	130120	14.368	ug/L #	19
48) 2-Hexanone	8.140	43	154580	33.250	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.181	83	1866288	230.143	ug/L #	36
60) Isopropylbenzene	10.410	105	1196282	25.304	ug/L	94
61) 1,2,3-Trichloropropane	10.181	75	4074	0.467	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.480	105	734342	21.421	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	4870675	131.867	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	14414	7.396	ug/L #	10
71) Naphthalene	13.435	128	303193	12.705	ug/L	98

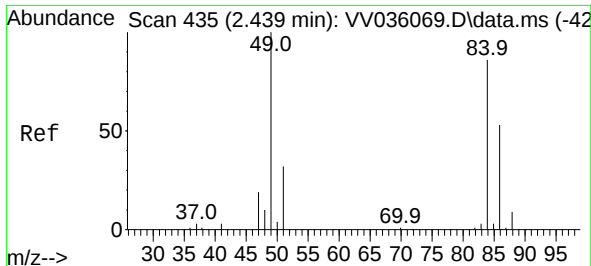
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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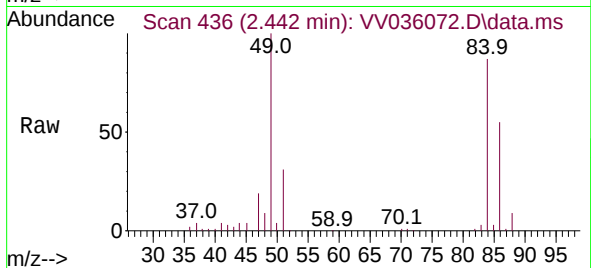
Quant Time: Jun 14 03:08:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
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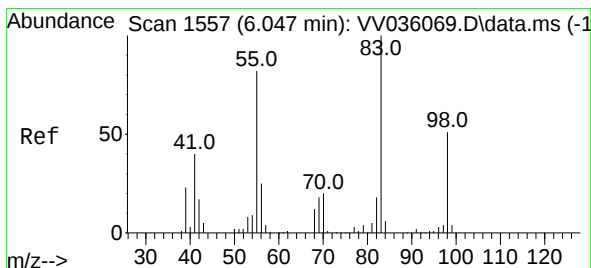
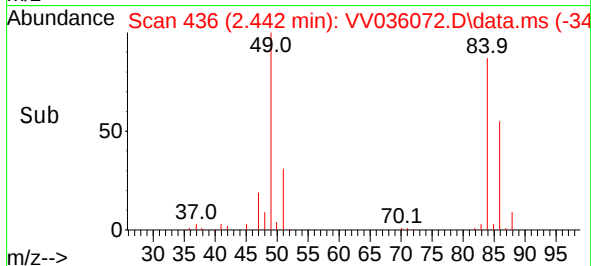
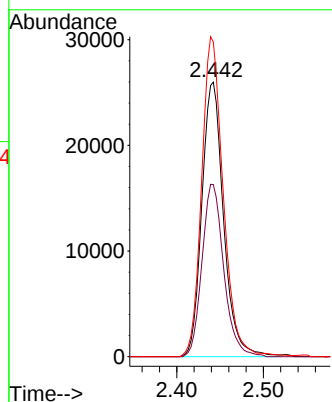


#16
Methylene chloride
Concen: 3.503 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV036072.D
Acq: 13 Jun 2024 20:17

Instrument :
MSVOA_V
ClientSampleId :

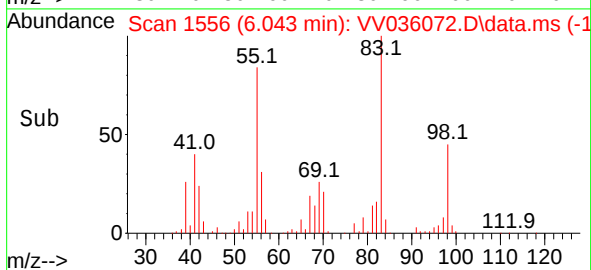
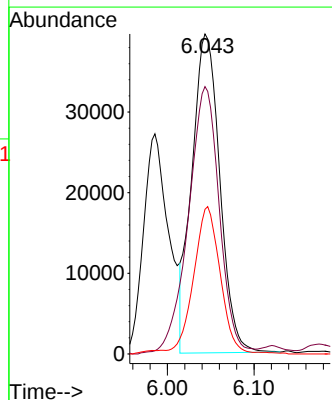
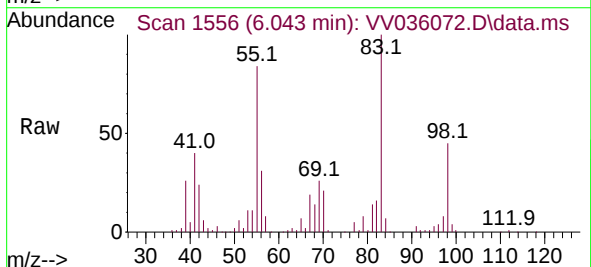


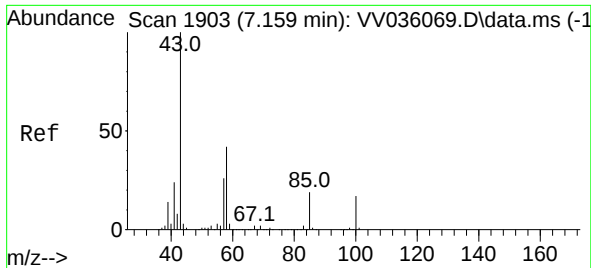
Tgt Ion: 84 Resp: 45188
Ion Ratio Lower Upper
84 100
86 62.7 44.6 82.8
49 114.6 81.1 150.5



#35
Methylcyclohexane
Concen: 5.014 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VV036072.D
Acq: 13 Jun 2024 20:17

Tgt Ion: 83 Resp: 88581
Ion Ratio Lower Upper
83 100
55 93.1 60.7 91.1#
98 42.9 38.7 58.1





#40

4-Methyl-2-pentanone

Concen: 6.356 ug/L

RT: 7.185 min Scan# 1903

Delta R.T. 0.026 min

Lab File: VV036072.D

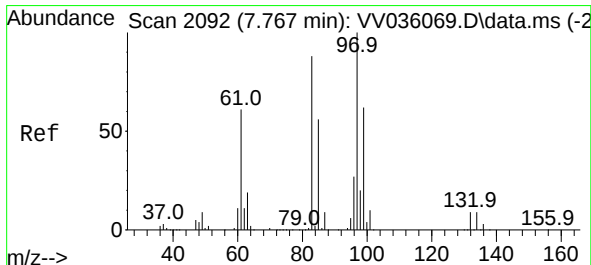
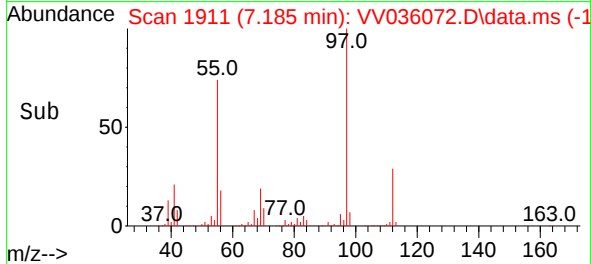
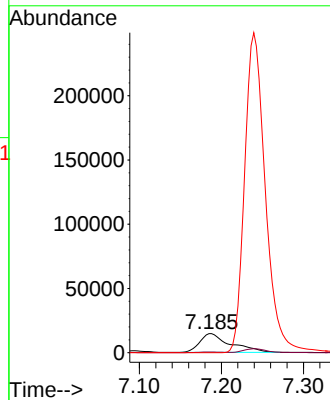
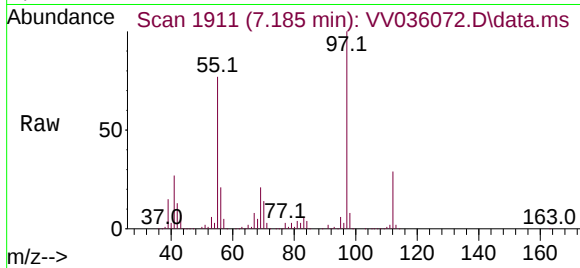
Acq: 13 Jun 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	43	Resp:	37799
Ion Ratio	Lower	Upper	
43	100		
58	1.3	32.5	48.7#
100	0.0	12.5	18.7#



#45

1,1,2-Trichloroethane

Concen: 14.368 ug/L

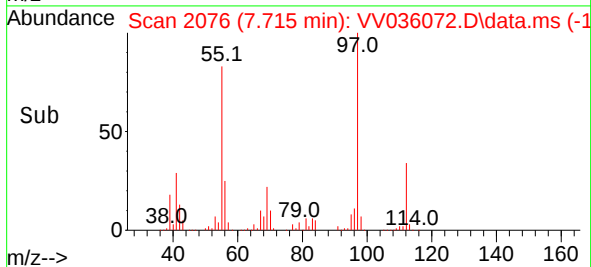
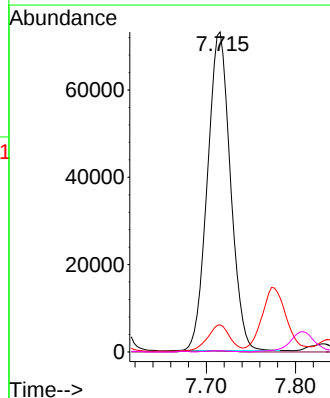
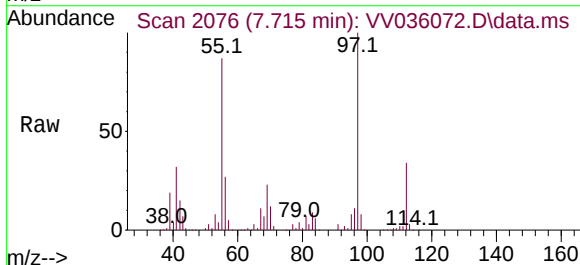
RT: 7.715 min Scan# 2076

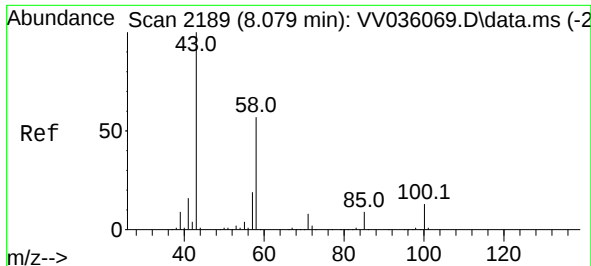
Delta R.T. -0.052 min

Lab File: VV036072.D

Acq: 13 Jun 2024 20:17

Tgt Ion:	97	Resp:	130120
Ion Ratio	Lower	Upper	
97	100		
99	0.2	43.3	80.5#
83	8.5	60.1	111.7#
85	0.4	38.9	72.3#





#48

2-Hexanone

Concen: 33.250 ug/L

RT: 8.140 min Scan# 2189

Delta R.T. 0.061 min

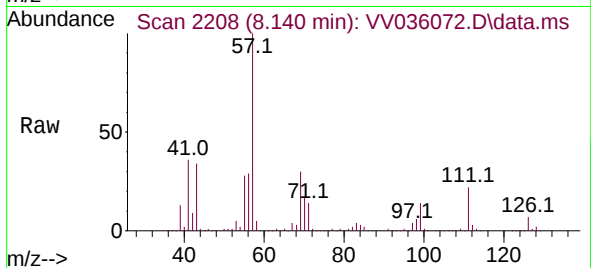
Lab File: VV036072.D

Acq: 13 Jun 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 154580

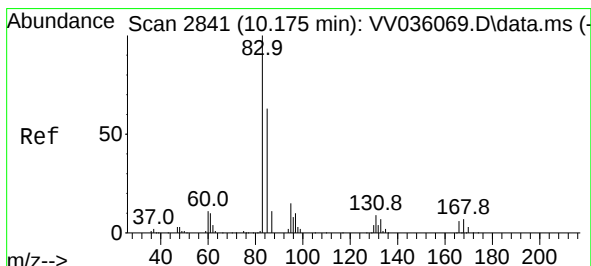
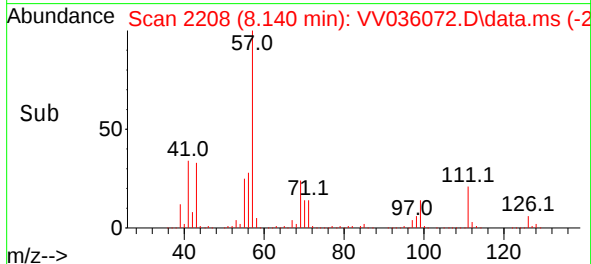
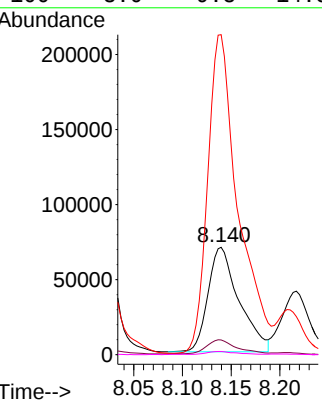
Ion Ratio Lower Upper

43 100

58 12.1 45.4 68.0#

57 298.8 15.8 23.8#

100 3.0 9.8 14.8#



#57

1,1,2,2-Tetrachloroethane

Concen: 230.143 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.006 min

Lab File: VV036072.D

Acq: 13 Jun 2024 20:17

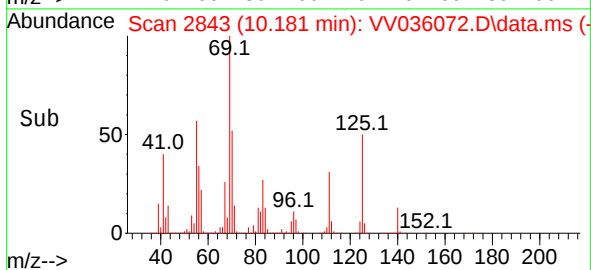
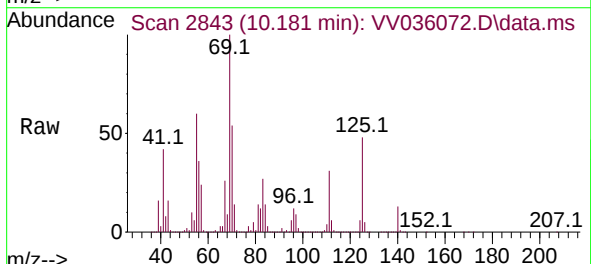
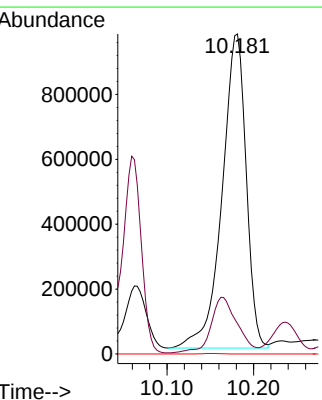
Tgt Ion: 83 Resp: 1866288

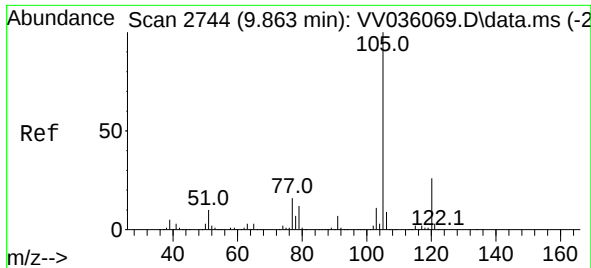
Ion Ratio Lower Upper

83 100

85 9.5 45.1 83.7#

131 0.0 7.6 11.4#

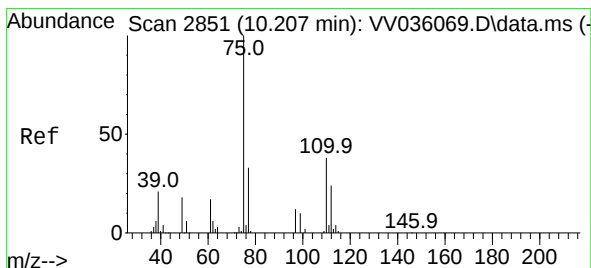
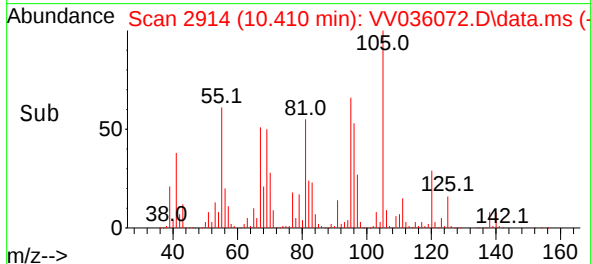
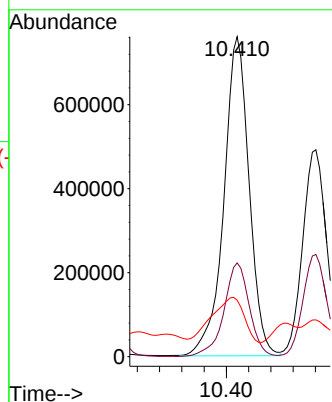
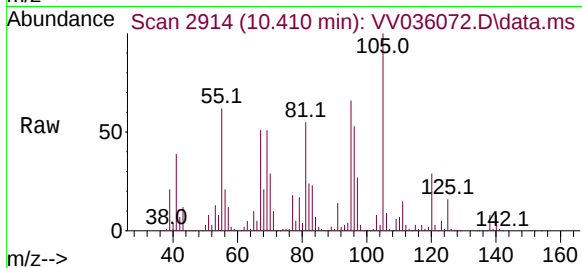




#60
Isopropylbenzene
Concen: 25.304 ug/L
RT: 10.410 min Scan# 20
Delta R.T. 0.547 min
Lab File: VV036072.D
Acq: 13 Jun 2024 20:17

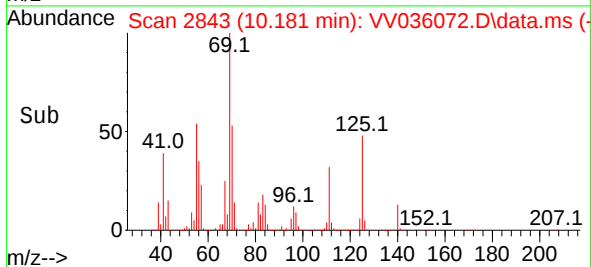
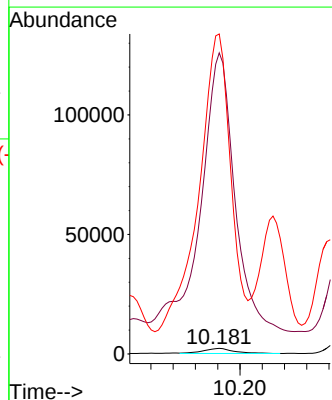
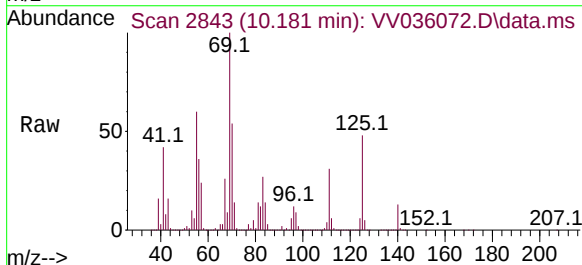
Instrument :
MSVOA_V
ClientSampleId :

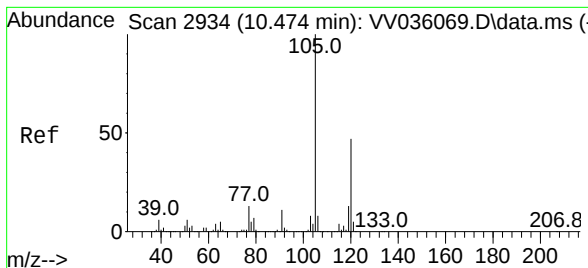
Tgt Ion:105 Resp: 1196282
Ion Ratio Lower Upper
105 100
120 29.4 21.0 31.6
77 17.7 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 0.467 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.026 min
Lab File: VV036072.D
Acq: 13 Jun 2024 20:17

Tgt Ion: 75 Resp: 4074
Ion Ratio Lower Upper
75 100
77 5662.5 26.0 39.0#
110 6033.0 32.2 48.4#





#62

1,3,5-Trimethylbenzene

Concen: 21.421 ug/L

RT: 10.480 min Scan# 2934

Delta R.T. 0.006 min

Lab File: VV036072.D

Acq: 13 Jun 2024 20:17

Instrument :

MSVOA_V

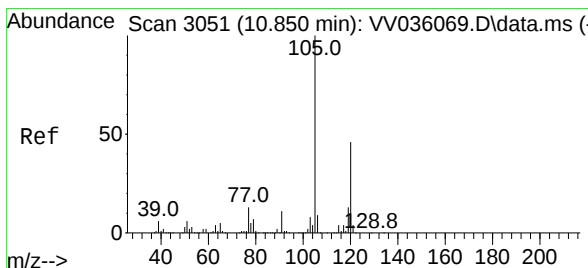
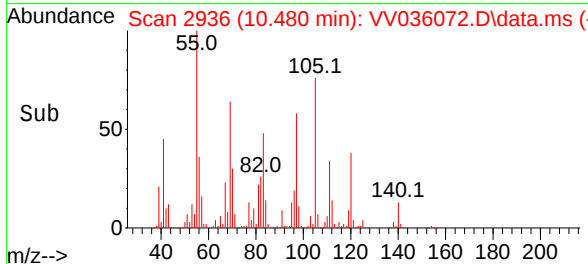
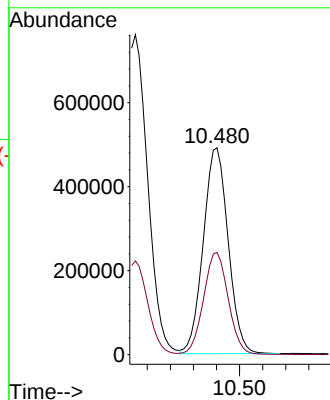
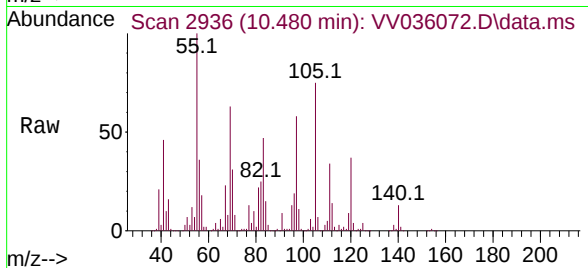
ClientSampleId :

Tgt Ion:105 Resp: 734342

Ion Ratio Lower Upper

105 100

120 49.2 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 131.867 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036072.D

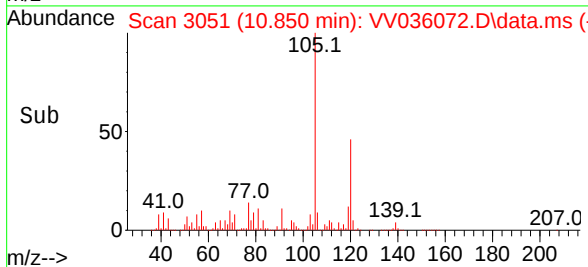
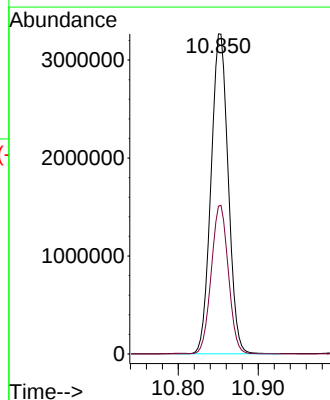
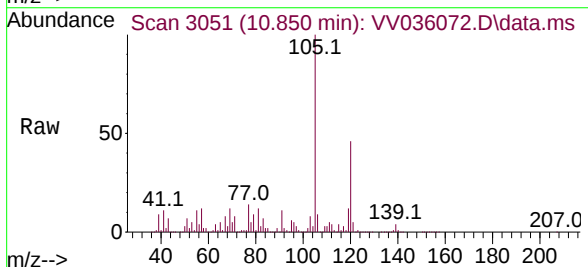
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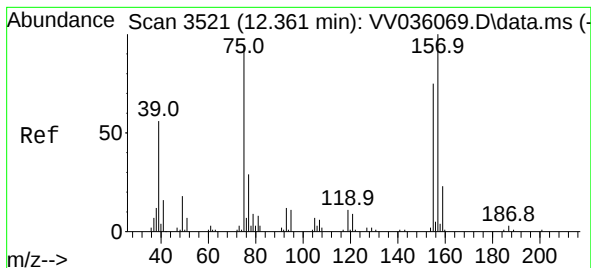
Tgt Ion:105 Resp: 4870675

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4





#68

1,2-Dibromo-3-chloropropane

Concen: 7.396 ug/L

RT: 12.349 min Scan# 3517

Delta R.T. -0.013 min

Lab File: VV036072.D

Acq: 13 Jun 2024 20:17

Instrument :

MSVOA_V

ClientSampleId :

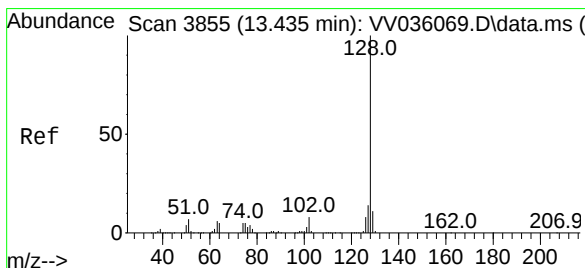
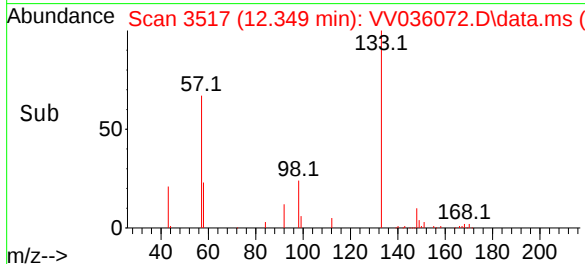
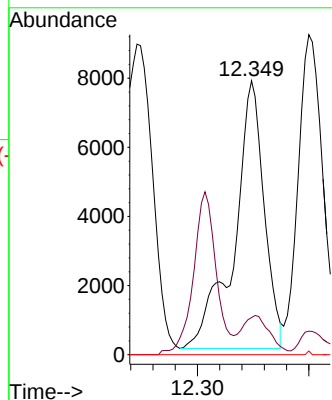
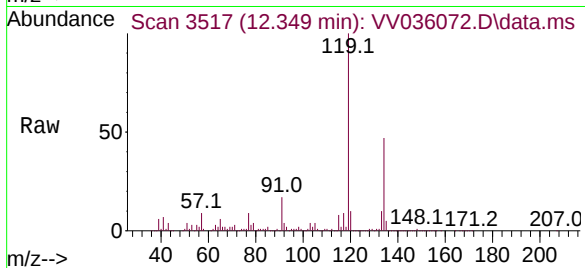
Tgt Ion: 75 Resp: 14414

Ion Ratio Lower Upper

75 100

155 13.6 63.3 94.9#

157 0.0 82.4 123.6#



#71

Naphthalene

Concen: 12.705 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036072.D

Acq: 13 Jun 2024 20:17

Tgt Ion: 128 Resp: 303193

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 12.2 8.8 13.2

