

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036184.D
 Acq On : 21 Jun 2024 00:25
 Operator : SY/MD
 Sample : P2962-22
 Misc : 6.21g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:15:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

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

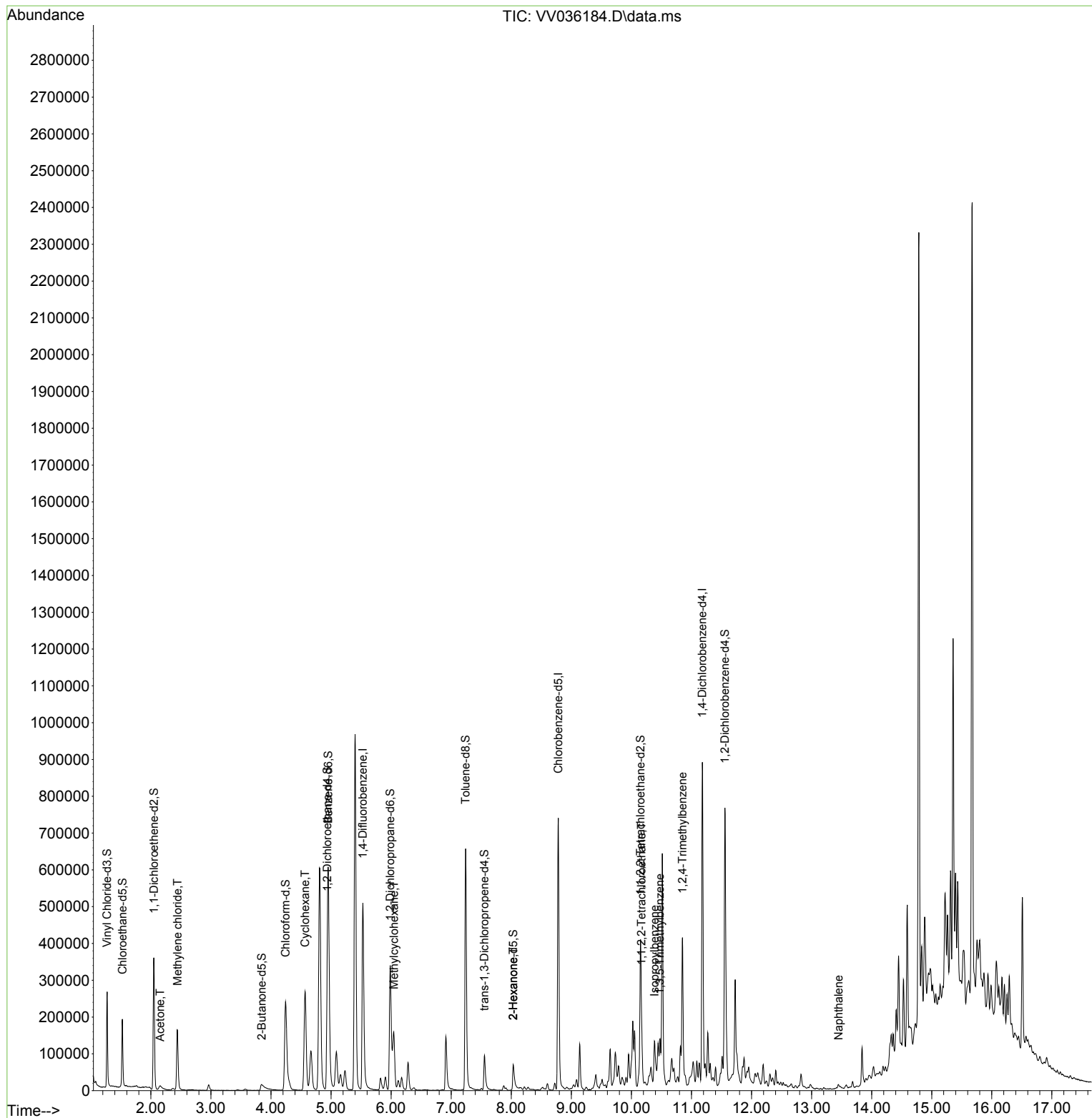
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	453527	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	409382	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	220045	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	149729	17.957	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	71.840%		
7) Chloroethane-d5	1.526	69	126433	19.017	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	76.080%		
11) 1,1-Dichloroethene-d2	2.050	65	62855	16.933	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	67.720%		
21) 2-Butanone-d5	3.844	46	41861	21.882	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	43.760%		
24) Chloroform-d	4.243	84	267831	18.575	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	74.320%		
26) 1,2-Dichloroethane-d4	4.937	65	152569	20.182	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	80.720%		
32) Benzene-d6	4.953	84	564661	23.204	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.800%		
36) 1,2-Dichloropropane-d6	5.985	67	181200	23.645	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.600%		
41) Toluene-d8	7.239	98	456162	21.245	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	85.000%		
43) trans-1,3-Dichloroprop...	7.555	79	61909	19.703	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	78.800%		
47) 2-Hexanone-d5	8.034	63	29351	28.269	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	56.540%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	123916	21.639	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	86.560%		
66) 1,2-Dichlorobenzene-d4	11.558	152	181727	22.521	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.080%		
Target Compounds					Qvalue	
13) Acetone	2.153	43	26761	8.980	ug/L #	61
16) Methylene chloride	2.442	84	74329	7.243	ug/L	96
29) Cyclohexane	4.567	56	64174	6.584	ug/L #	41
35) Methylcyclohexane	6.047	83	60110	5.297	ug/L	90
48) 2-Hexanone	8.034	43	4621	1.547	ug/L #	61
57) 1,1,2,2-Tetrachloroethane	10.169	83	10227	1.963	ug/L #	57
60) Isopropylbenzene	10.384	105	72167	2.556	ug/L	93
62) 1,3,5-Trimethylbenzene	10.474	105	55467	2.710	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	199057	9.025	ug/L	99
71) Naphthalene	13.448	128	10347	0.726	ug/L	99

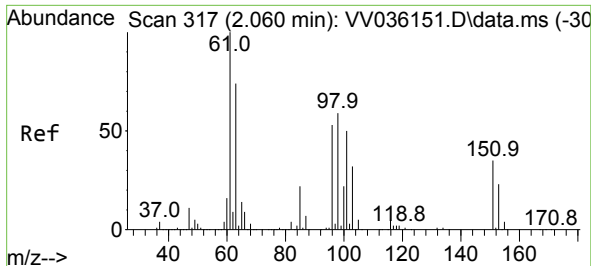
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration





#13

Acetone

Concen: 8.980 ug/L

RT: 2.153 min Scan# 346

Delta R.T. 0.006 min

Lab File: VV036184.D

Acq: 21 Jun 2024 00:25

Instrument :

MSVOA_V

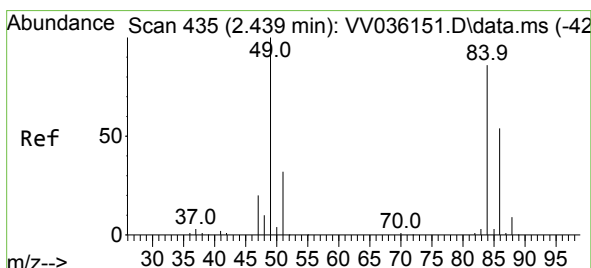
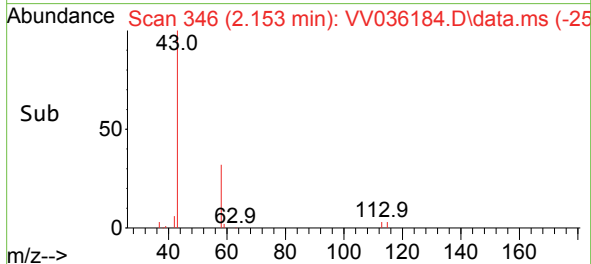
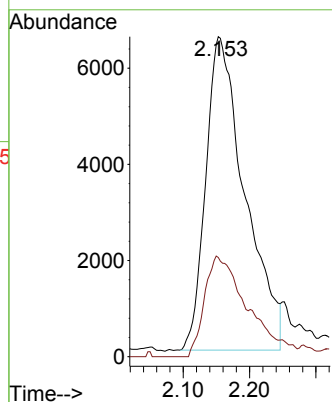
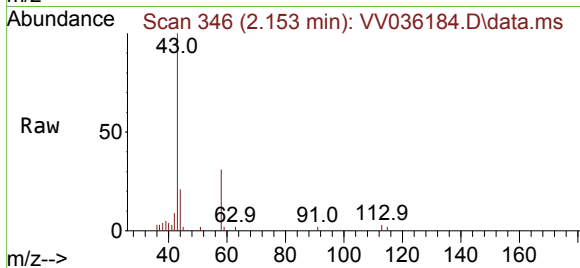
ClientSampleId :

Tgt Ion: 43 Resp: 26761

Ion Ratio Lower Upper

43 100

58 27.2 0.0 24.2#



#16

Methylene chloride

Concen: 7.243 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036184.D

Acq: 21 Jun 2024 00:25

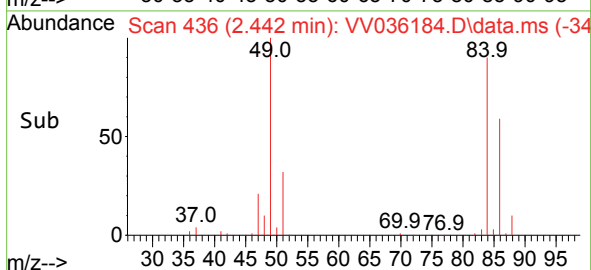
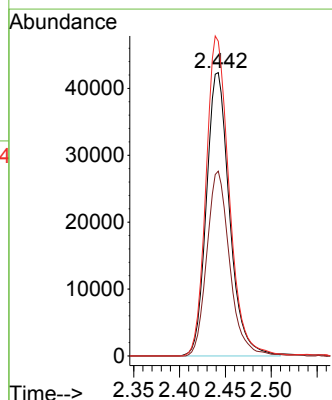
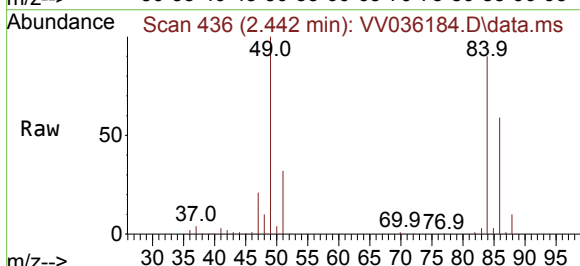
Tgt Ion: 84 Resp: 74329

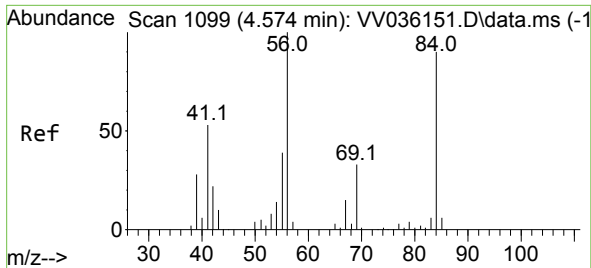
Ion Ratio Lower Upper

84 100

86 65.2 44.6 82.8

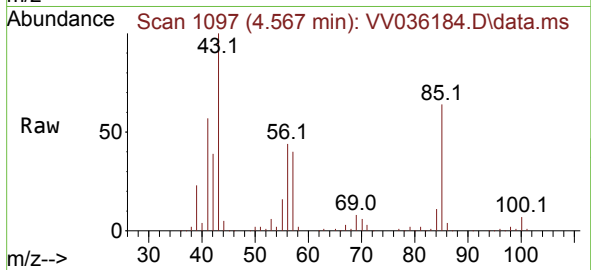
49 111.1 81.1 150.5



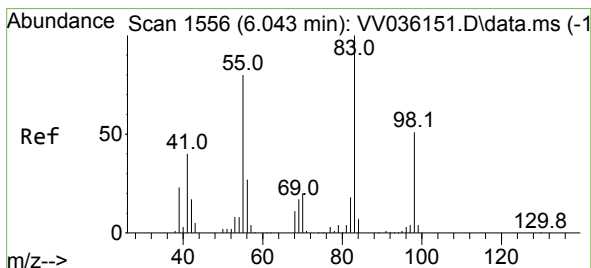
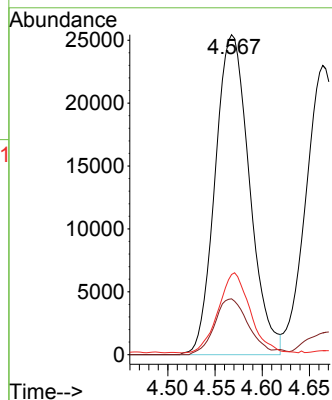
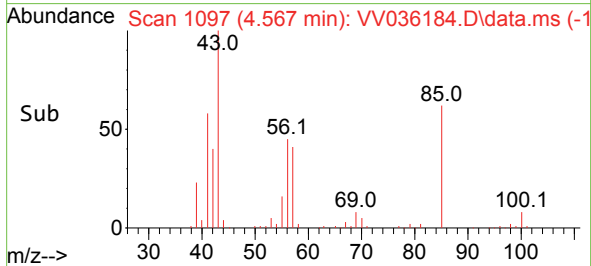


#29
Cyclohexane
Concen: 6.584 ug/L
RT: 4.567 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VV036184.D
Acq: 21 Jun 2024 00:25

Instrument :
MSVOA_V
ClientSampleId :

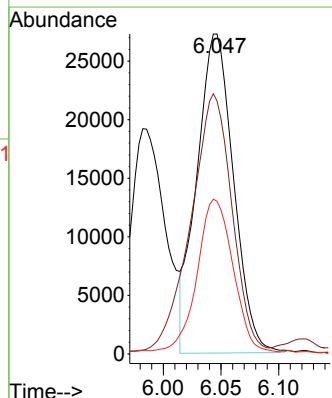
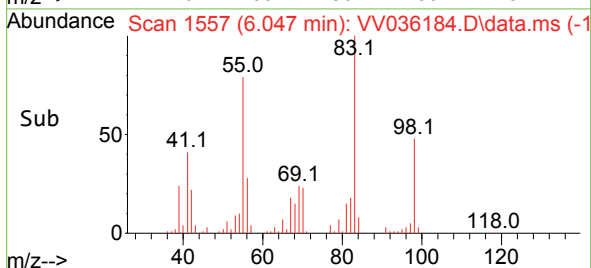
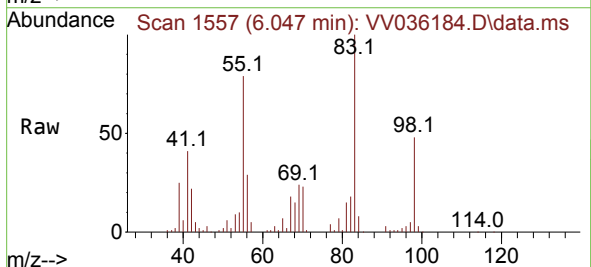


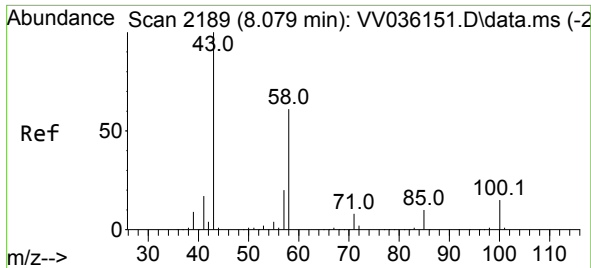
Tgt Ion: 56 Resp: 64174
Ion Ratio Lower Upper
56 100
69 17.1 25.2 37.8#
84 23.3 72.2 108.2#



#35
Methylcyclohexane
Concen: 5.297 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.003 min
Lab File: VV036184.D
Acq: 21 Jun 2024 00:25

Tgt Ion: 83 Resp: 60110
Ion Ratio Lower Upper
83 100
55 89.8 60.7 91.1
98 47.9 38.7 58.1

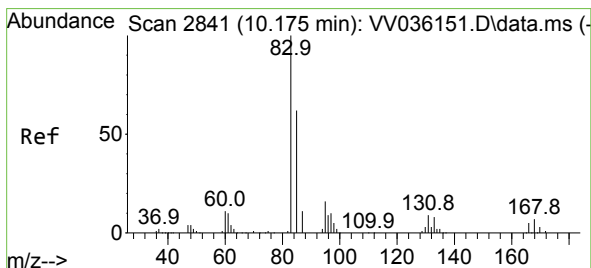
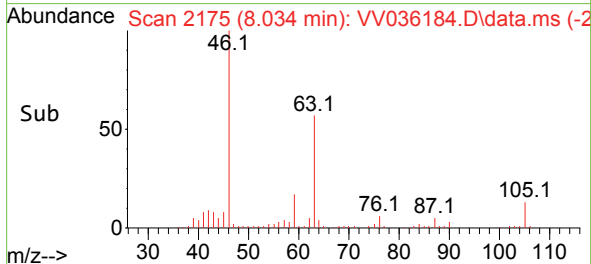
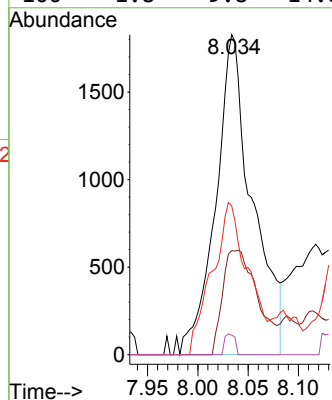
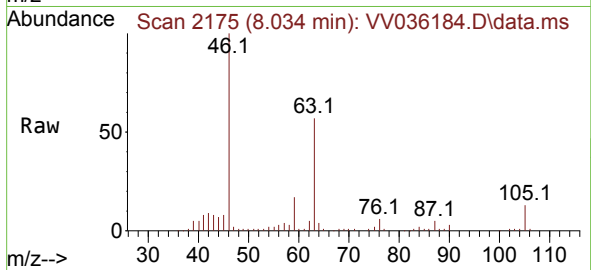




#48
2-Hexanone
Concen: 1.547 ug/L
RT: 8.034 min Scan# 2189
Delta R.T. -0.045 min
Lab File: VV036184.D
Acq: 21 Jun 2024 00:25

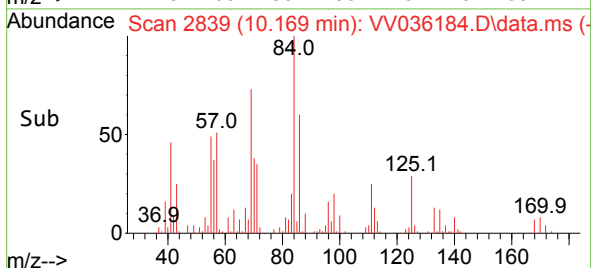
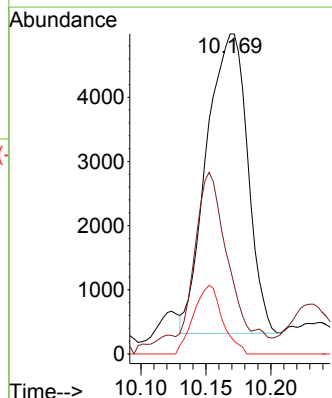
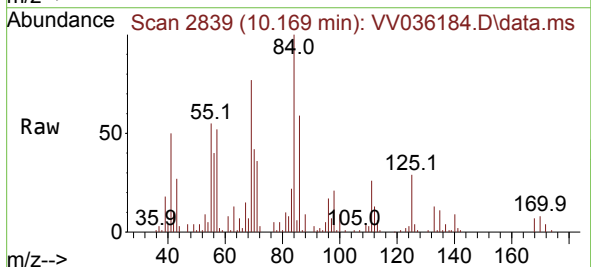
Instrument :
MSVOA_V
ClientSampleId :

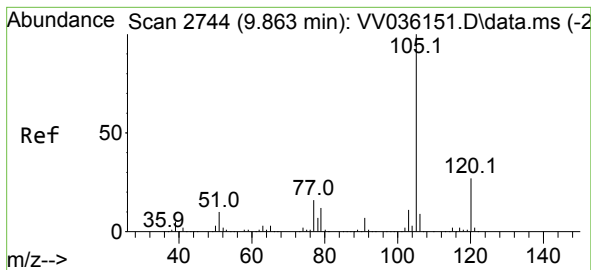
Tgt Ion:	43	Resp:	4621
Ion	Ratio	Lower	Upper
43	100		
58	31.3	45.4	68.0#
57	46.8	15.8	23.8#
100	1.8	9.8	14.8#



#57
1,1,2,2-Tetrachloroethane
Concen: 1.963 ug/L
RT: 10.169 min Scan# 2839
Delta R.T. -0.006 min
Lab File: VV036184.D
Acq: 21 Jun 2024 00:25

Tgt Ion:	83	Resp:	10227
Ion	Ratio	Lower	Upper
83	100		
85	26.9	45.1	83.7#
131	5.6	7.6	11.4#





#60

Isopropylbenzene

Concen: 2.556 ug/L

RT: 10.384 min Scan# 2906

Delta R.T. 0.521 min

Lab File: VV036184.D

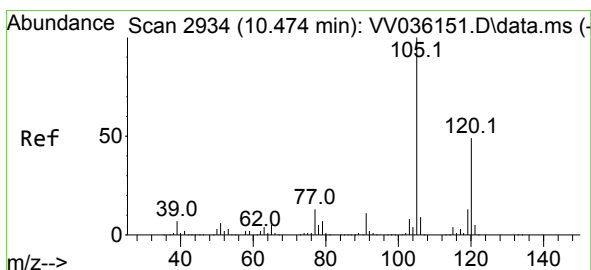
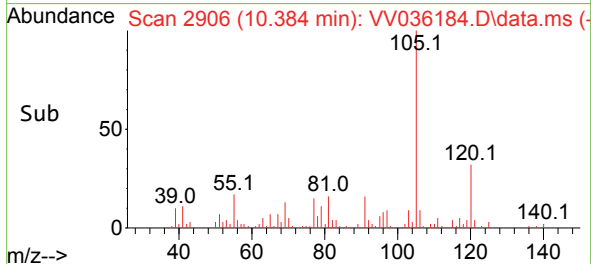
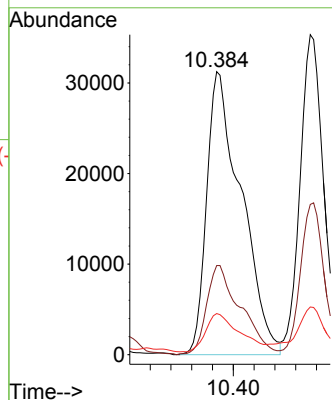
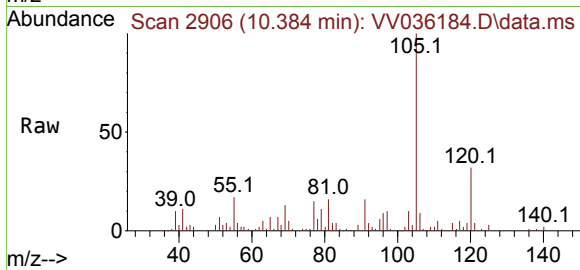
Acq: 21 Jun 2024 00:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	72167
Ion Ratio	Lower	Upper	
105	100		
120	30.1	21.0	31.6
77	13.2	12.6	18.8



#62

1,3,5-Trimethylbenzene

Concen: 2.710 ug/L

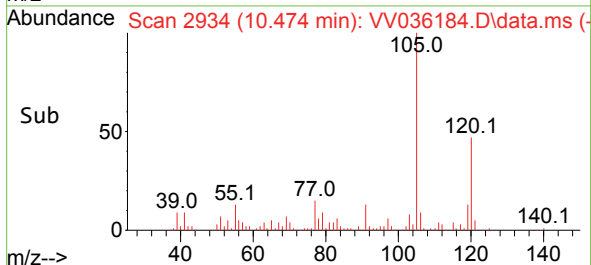
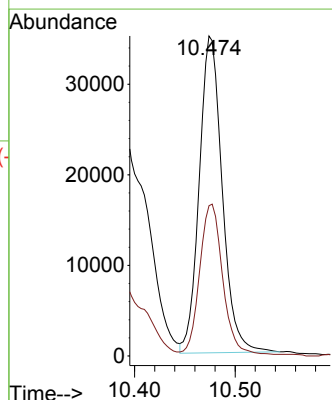
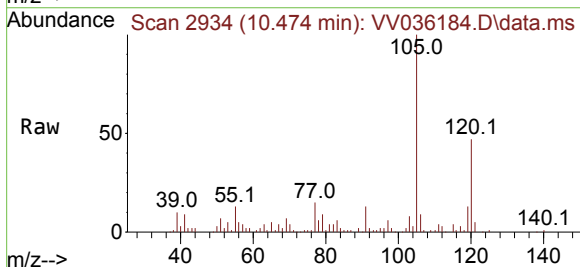
RT: 10.474 min Scan# 2934

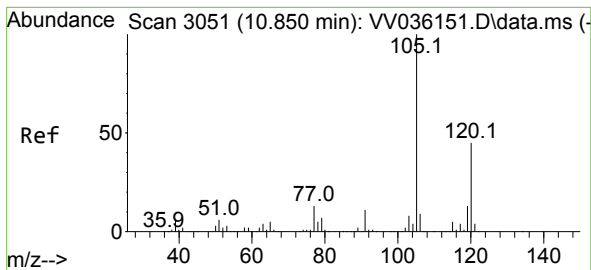
Delta R.T. 0.000 min

Lab File: VV036184.D

Acq: 21 Jun 2024 00:25

Tgt Ion:	105	Resp:	55467
Ion Ratio	Lower	Upper	
105	100		
120	47.6	38.6	58.0





#63

1,2,4-Trimethylbenzene

Concen: 9.025 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036184.D

Acq: 21 Jun 2024 00:25

Instrument :

MSVOA_V

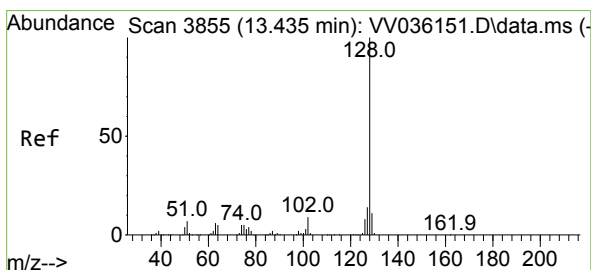
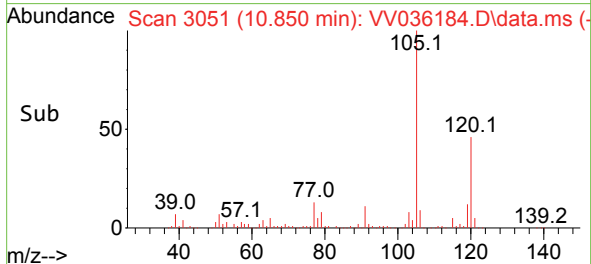
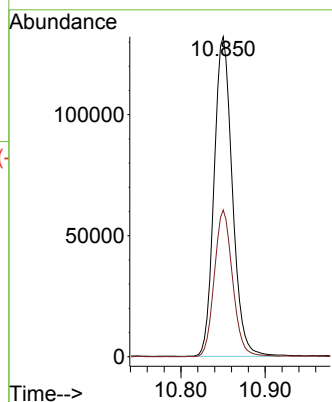
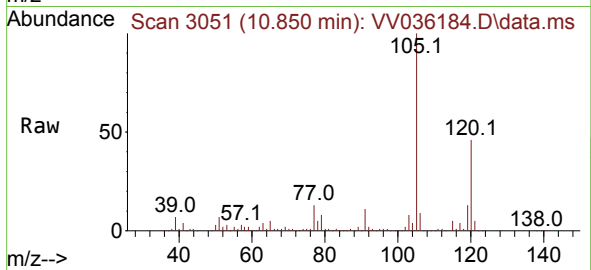
ClientSampleId :

Tgt Ion:105 Resp: 199057

Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.4



#71

Naphthalene

Concen: 0.726 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.013 min

Lab File: VV036184.D

Acq: 21 Jun 2024 00:25

Tgt Ion:128 Resp: 10347

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 11.2 8.8 13.2

