

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062024\
 Data File : VV036181.D
 Acq On : 20 Jun 2024 23:15
 Operator : SY/MD
 Sample : P2962-09
 Misc : 5.10g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 05:14:41 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	367109	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	330377	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	120202	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	146477	21.703	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.800%
7) Chloroethane-d5	1.822	69	143	0.027	ug/L	0.30
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.120%#
11) 1,1-Dichloroethene-d2	2.050	65	58456	19.455	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.840%
21) 2-Butanone-d5	3.831	46	49618	32.042	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.080%
24) Chloroform-d	4.243	84	251077	21.512	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.040%
26) 1,2-Dichloroethane-d4	4.937	65	148857	24.326	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.320%
32) Benzene-d6	4.953	84	492122	25.059	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.240%
36) 1,2-Dichloropropane-d6	5.985	67	159411	25.777	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.120%
41) Toluene-d8	7.239	98	389991	22.507	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.040%
43) trans-1,3-Dichloroprop...	7.554	79	54452	21.474	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.880%
47) 2-Hexanone-d5	8.030	63	44362	52.945	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.880%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	107311	23.221	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.880%
66) 1,2-Dichlorobenzene-d4	11.557	152	97330	22.081	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.320%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	2406	0.382	ug/L #	37
13) Acetone	2.146	43	5188	2.151	ug/L #	1
14) Carbon disulfide	2.233	76	18248	0.894	ug/L	98
16) Methylene chloride	2.442	84	65072	7.833	ug/L	99
25) Chloroform	4.272	83	7064	0.577	ug/L	86
34) Trichloroethene	5.831	95	64080	9.676	ug/L	99
42) Toluene	7.313	91	700947	31.747	ug/L	99
46) Tetrachloroethene	7.908	164	6494247	1340.837	ug/L	96
52) Ethylbenzene	8.943	91	885396	37.481	ug/L	100
53) m,p-Xylene	9.069	106	468492	52.781	ug/L	99
54) o-Xylene	9.477	106	171685	20.511	ug/L	99
55) Styrene	9.500	104	41477	2.810	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.175	83	1707	0.406	ug/L #	83
60) Isopropylbenzene	9.869	105	10659	0.691	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	41514	3.712	ug/L	95
63) 1,2,4-Trimethylbenzene	10.850	105	146240	12.138	ug/L	99
71) Naphthalene	13.435	128	1867776	239.946	ug/L	100

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MSVOA_V
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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

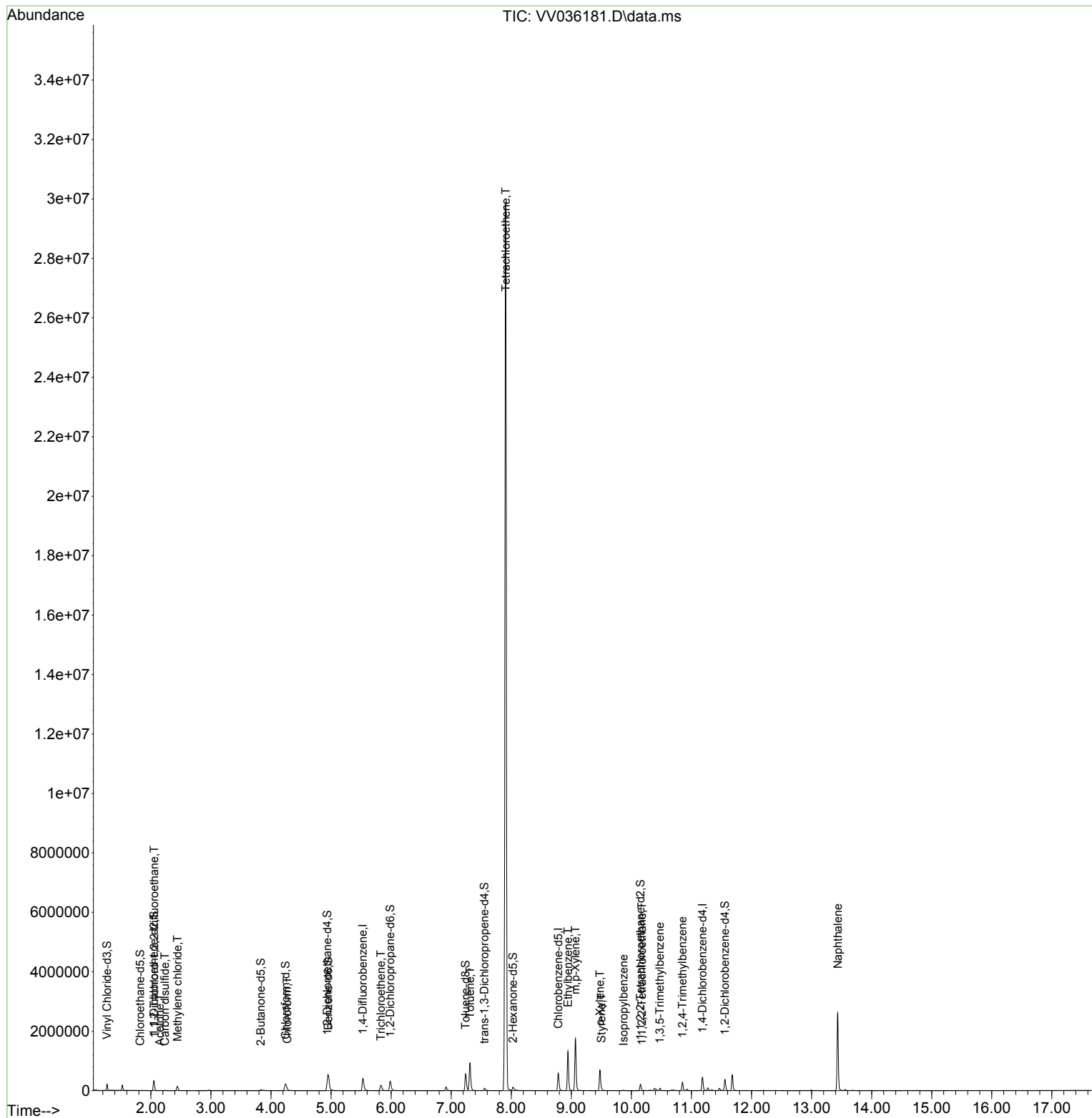
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

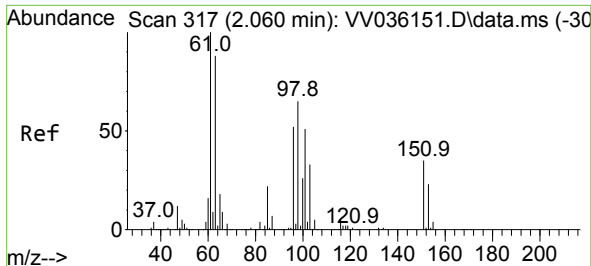
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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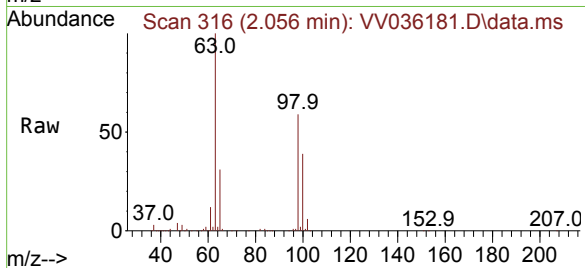
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Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration



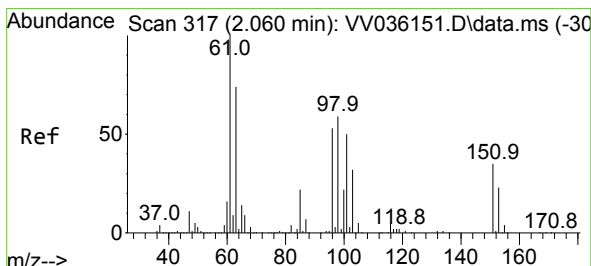
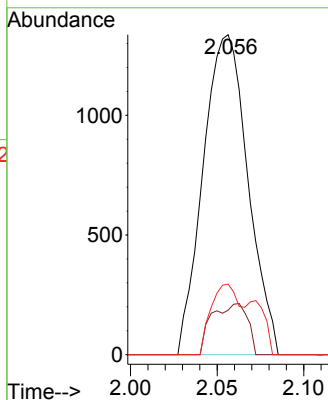
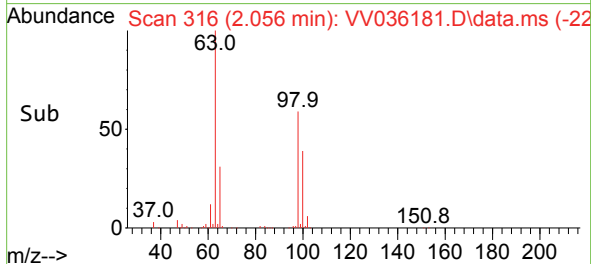


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.382 ug/L
 RT: 2.056 min Scan# 317
 Delta R.T. -0.003 min
 Lab File: VV036181.D
 Acq: 20 Jun 2024 23:15

Instrument :
 MSVOA_V
 ClientSampleId :

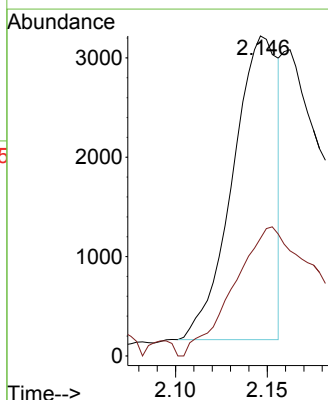
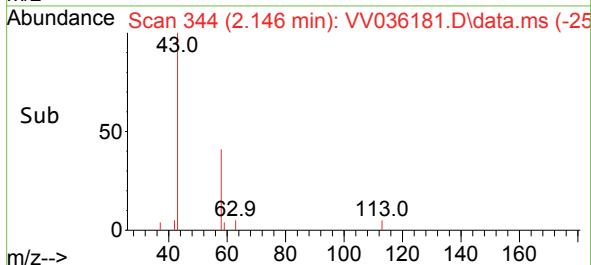
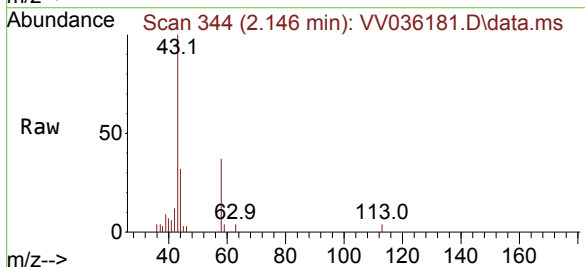


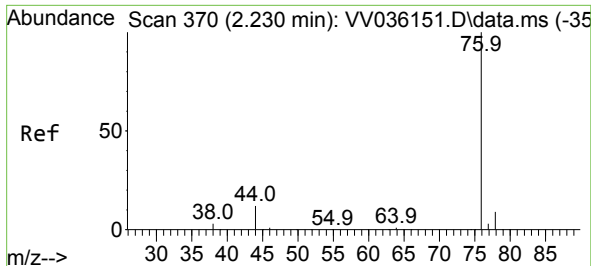
Tgt Ion:101 Resp: 2406
 Ion Ratio Lower Upper
 101 100
 85 7.3 34.5 51.7#
 151 14.7 56.3 84.5#



#13
 Acetone
 Concen: 2.151 ug/L
 RT: 2.146 min Scan# 344
 Delta R.T. -0.000 min
 Lab File: VV036181.D
 Acq: 20 Jun 2024 23:15

Tgt Ion: 43 Resp: 5188
 Ion Ratio Lower Upper
 43 100
 58 91.7 0.0 24.2#





#14

Carbon disulfide

Concen: 0.894 ug/L

RT: 2.233 min Scan# 31

Delta R.T. 0.003 min

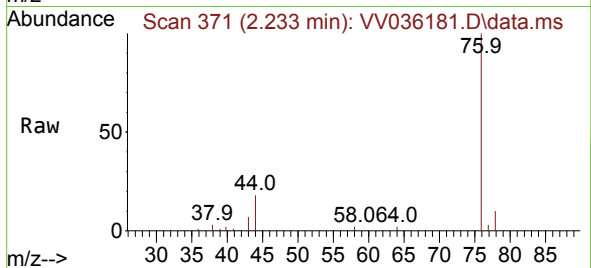
Lab File: VV036181.D

Acq: 20 Jun 2024 23:15

Instrument :

MSVOA_V

ClientSampleId :

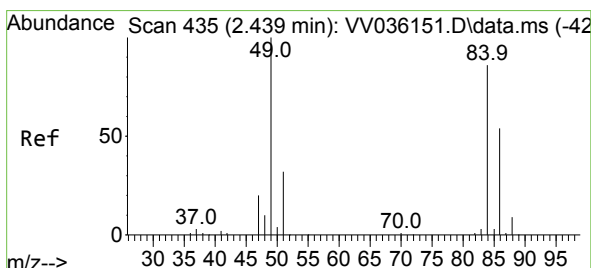
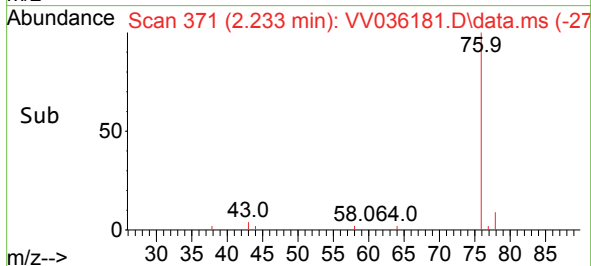
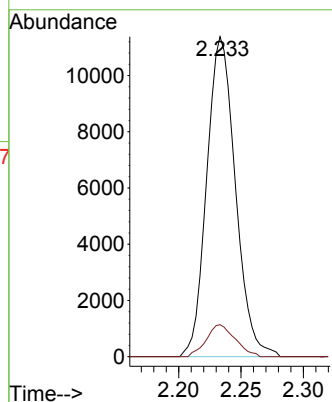


Tgt Ion: 76 Resp: 18248

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



#16

Methylene chloride

Concen: 7.833 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036181.D

Acq: 20 Jun 2024 23:15

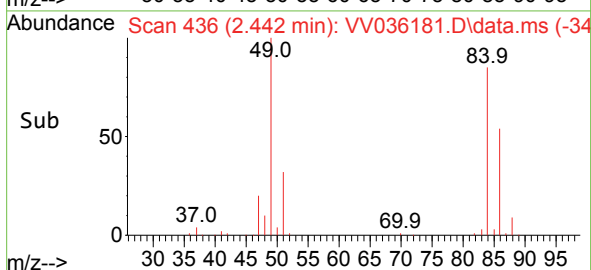
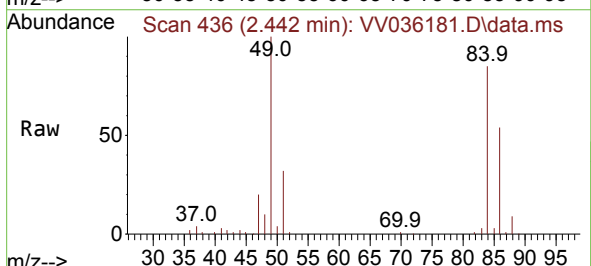
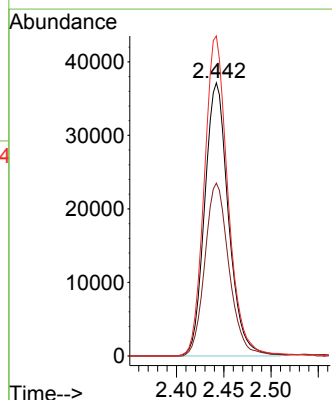
Tgt Ion: 84 Resp: 65072

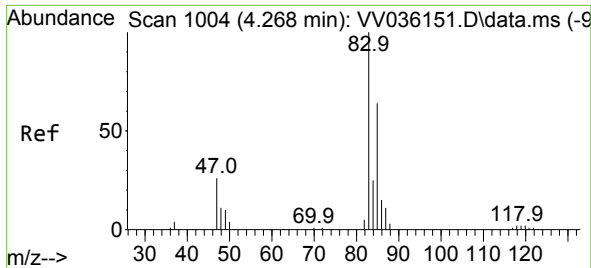
Ion Ratio Lower Upper

84 100

86 63.3 44.6 82.8

49 117.2 81.1 150.5

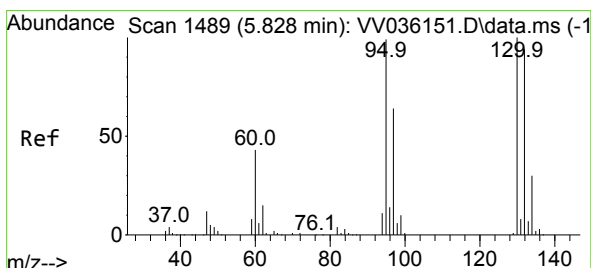
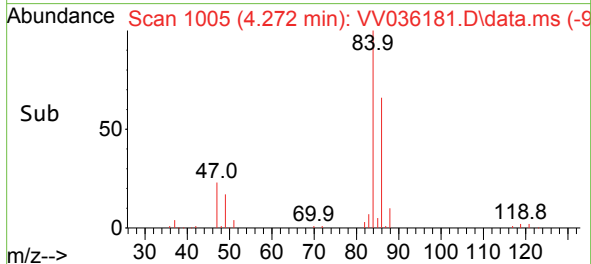
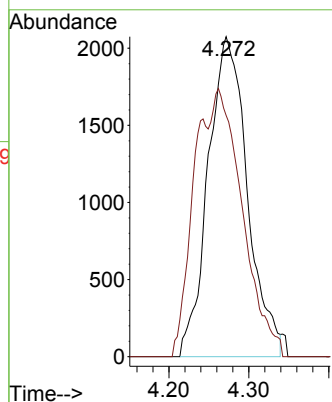
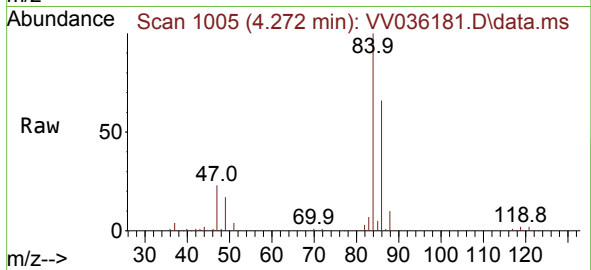




#25
Chloroform
Concen: 0.577 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV036181.D
Acq: 20 Jun 2024 23:15

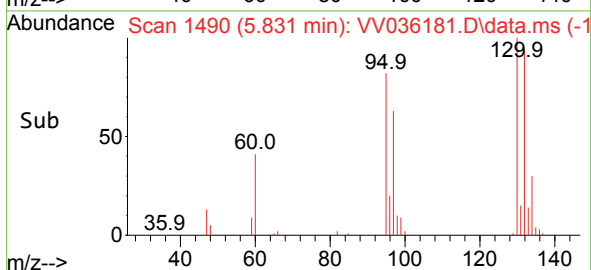
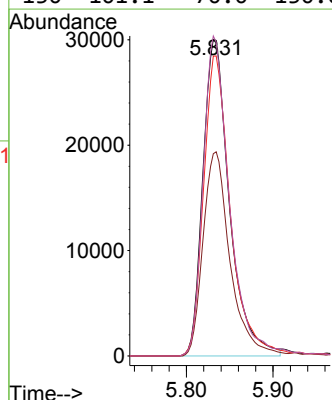
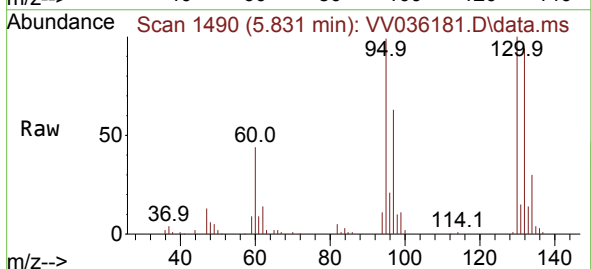
Instrument :
MSVOA_V
ClientSampleId :

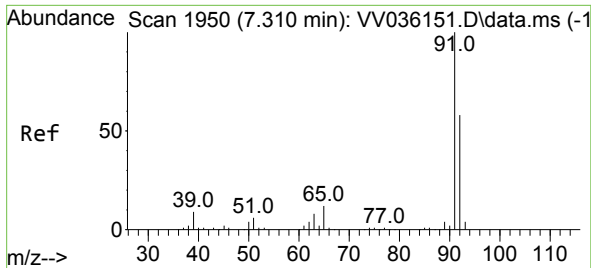
Tgt Ion: 83 Resp: 7064
Ion Ratio Lower Upper
83 100
85 75.4 45.2 84.0



#34
Trichloroethene
Concen: 9.676 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VV036181.D
Acq: 20 Jun 2024 23:15

Tgt Ion: 95 Resp: 64080
Ion Ratio Lower Upper
95 100
97 63.9 44.8 83.2
132 94.7 66.8 124.2
130 101.1 70.0 130.0

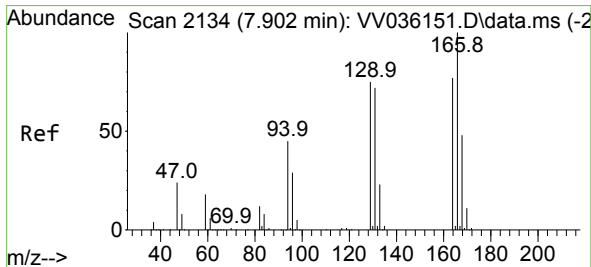
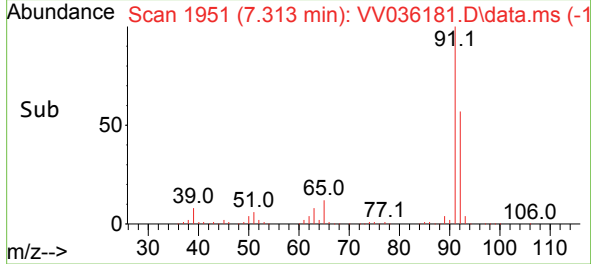
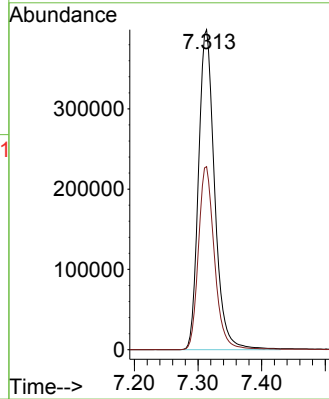
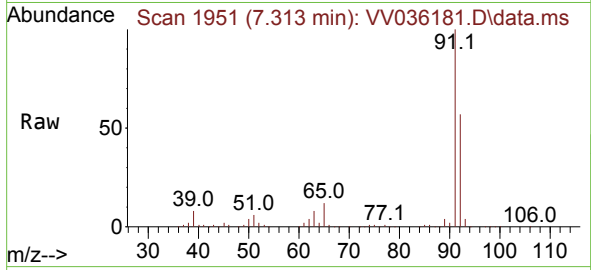




#42
Toluene
Concen: 31.747 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.003 min
Lab File: VV036181.D
Acq: 20 Jun 2024 23:15

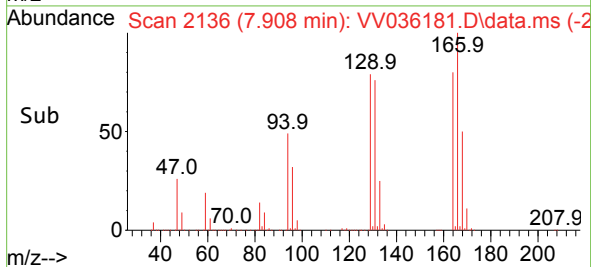
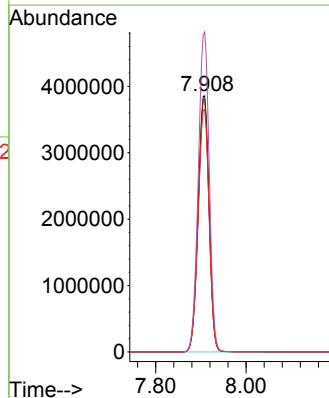
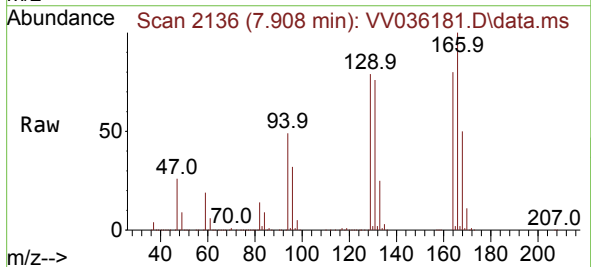
Instrument :
MSVOA_V
ClientSampleId :

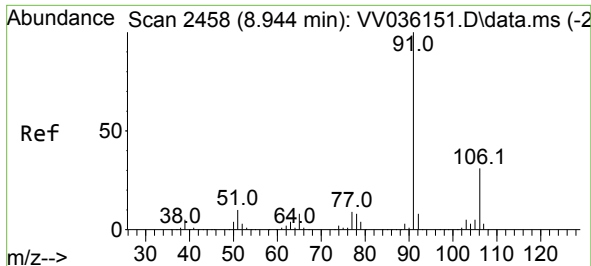
Tgt Ion: 91 Resp: 700947
Ion Ratio Lower Upper
91 100
92 57.2 40.6 75.4



#46
Tetrachloroethene
Concen: 1340.837 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV036181.D
Acq: 20 Jun 2024 23:15

Tgt Ion: 164 Resp: 6494247
Ion Ratio Lower Upper
164 100
129 98.5 64.6 120.0
131 94.8 63.2 117.4
166 124.9 89.5 166.3





#52

Ethylbenzene

Concen: 37.481 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV036181.D

Acq: 20 Jun 2024 23:15

Instrument :

MSVOA_V

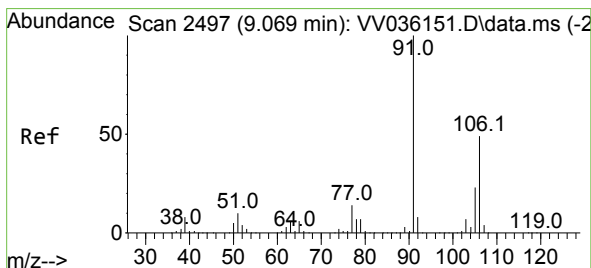
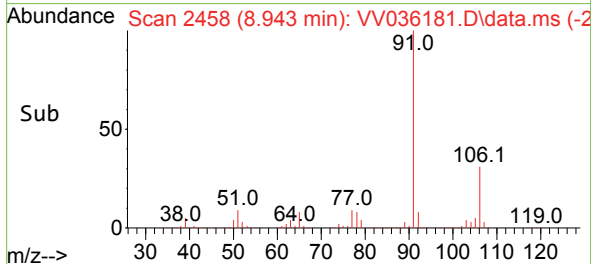
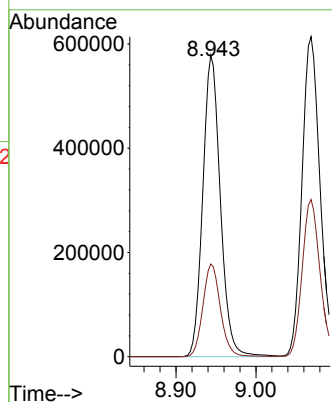
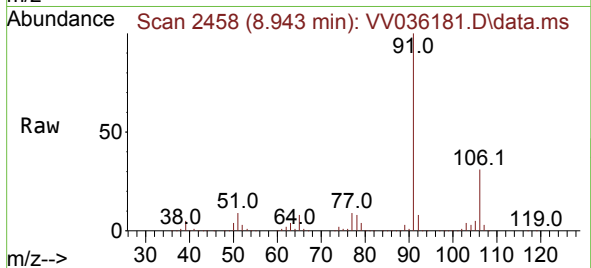
ClientSampleId :

Tgt Ion: 91 Resp: 885396

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0



#53

m,p-Xylene

Concen: 52.781 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036181.D

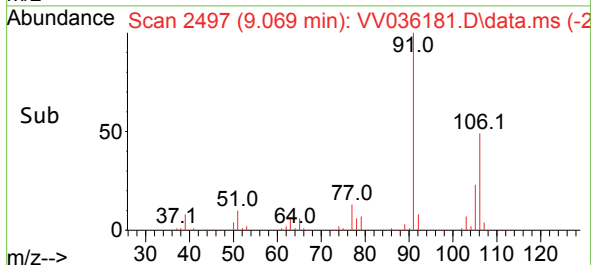
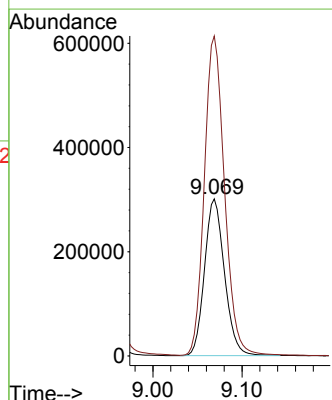
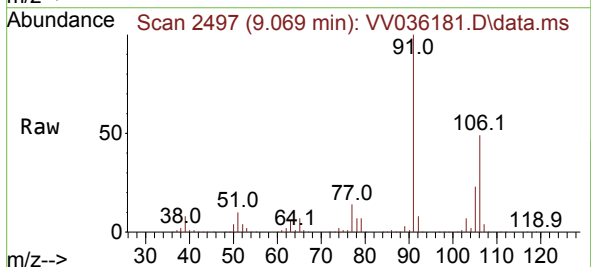
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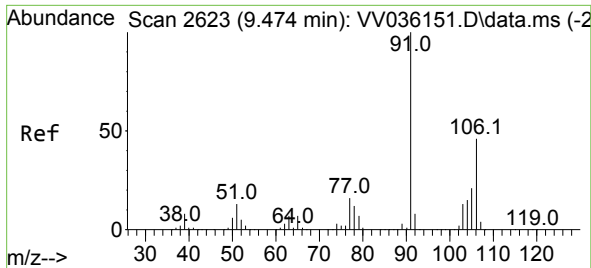
Tgt Ion: 106 Resp: 468492

Ion Ratio Lower Upper

106 100

91 203.7 143.1 265.9

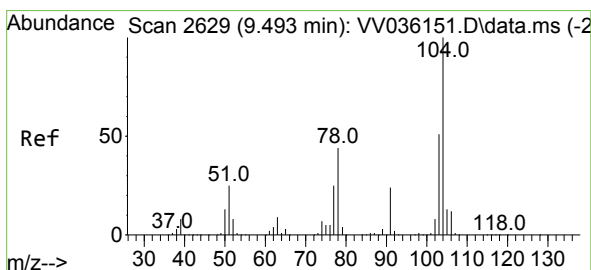
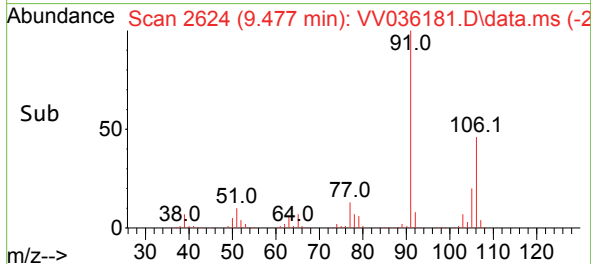
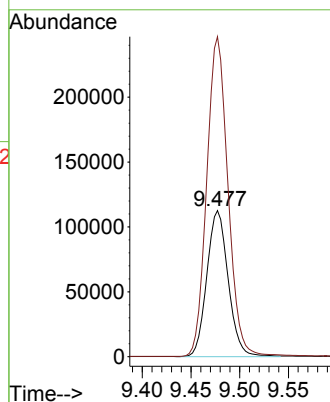
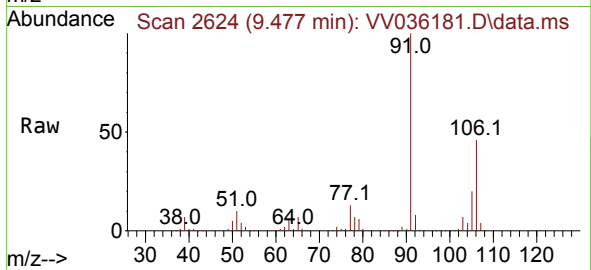




#54
o-Xylene
Concen: 20.511 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV036181.D
Acq: 20 Jun 2024 23:15

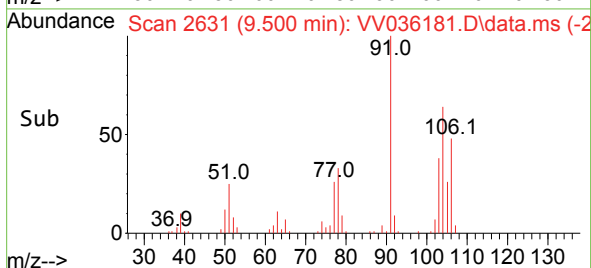
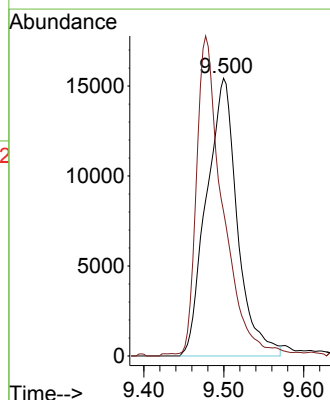
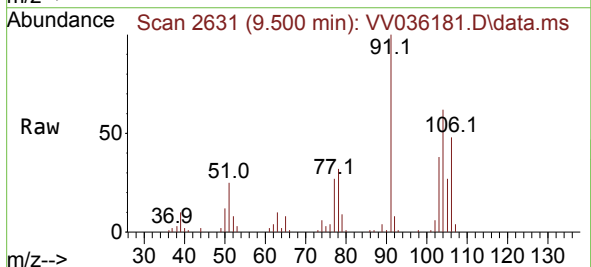
Instrument :
MSVOA_V
ClientSampleId :

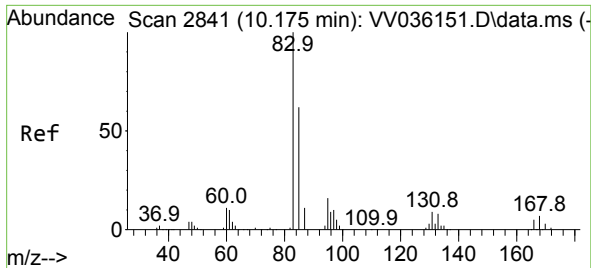
Tgt Ion:106 Resp: 171685
Ion Ratio Lower Upper
106 100
91 219.0 154.5 286.9



#55
Styrene
Concen: 2.810 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.006 min
Lab File: VV036181.D
Acq: 20 Jun 2024 23:15

Tgt Ion:104 Resp: 41477
Ion Ratio Lower Upper
104 100
78 52.0 31.4 58.2

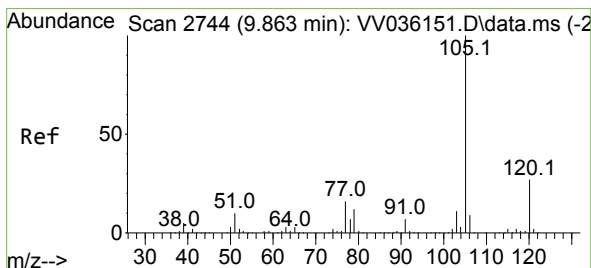
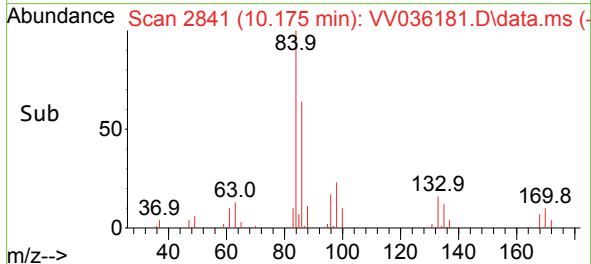
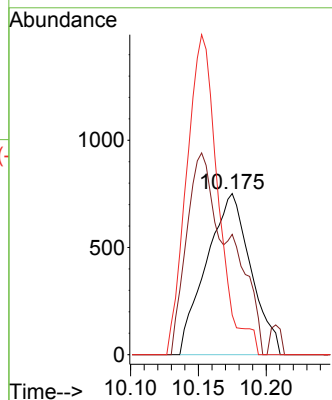
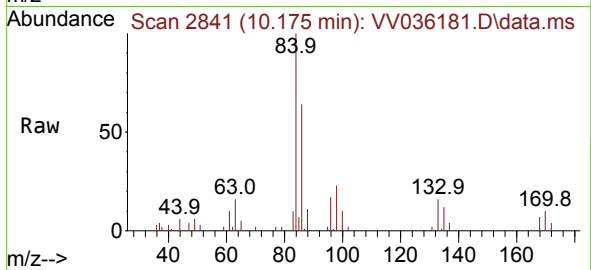




#57
 1,1,2-Tetrachloroethane
 Concen: 0.406 ug/L
 RT: 10.175 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: VV036181.D
 Acq: 20 Jun 2024 23:15

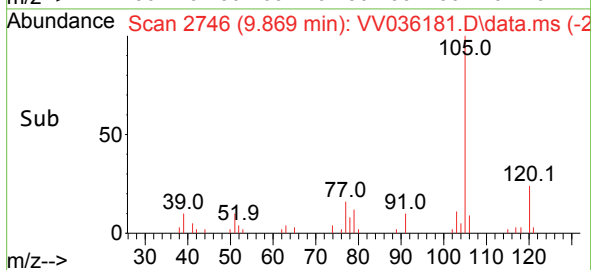
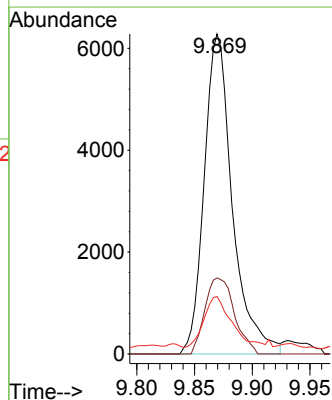
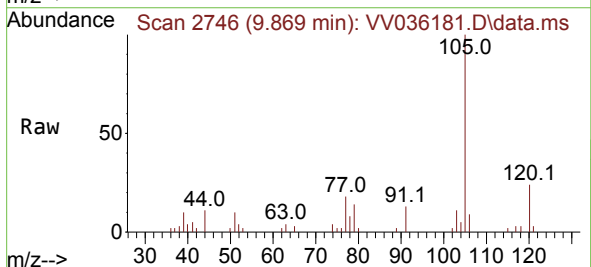
Instrument :
 MSVOA_V
 ClientSampleId :

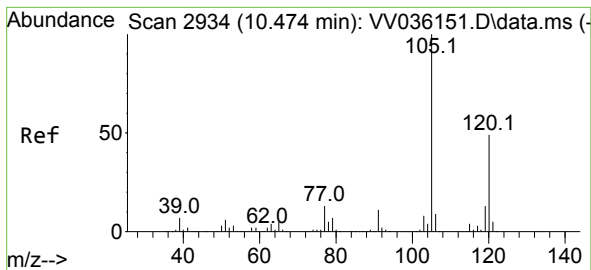
Tgt Ion: 83 Resp: 1707
 Ion Ratio Lower Upper
 83 100
 85 74.6 45.1 83.7
 131 24.6 7.6 11.4#



#60
 Isopropylbenzene
 Concen: 0.691 ug/L
 RT: 9.869 min Scan# 2746
 Delta R.T. 0.006 min
 Lab File: VV036181.D
 Acq: 20 Jun 2024 23:15

Tgt Ion: 105 Resp: 10659
 Ion Ratio Lower Upper
 105 100
 120 24.8 21.0 31.6
 77 15.7 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 3.712 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036181.D

Acq: 20 Jun 2024 23:15

Instrument :

MSVOA_V

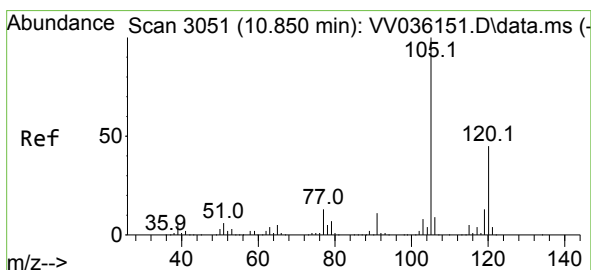
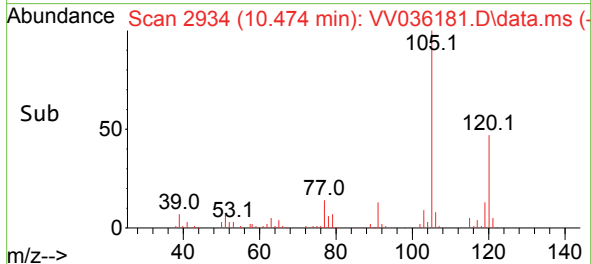
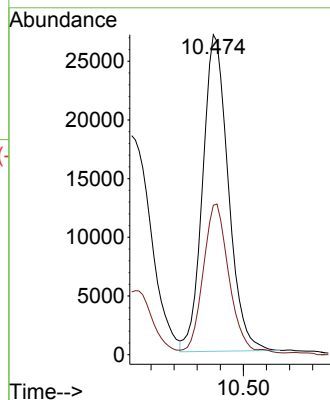
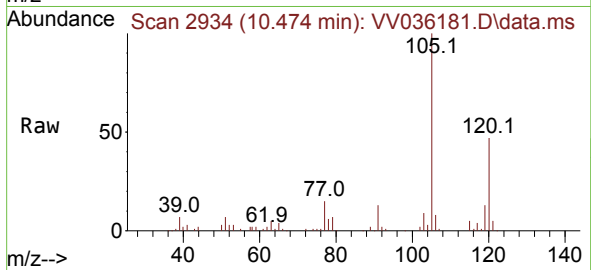
ClientSampleId :

Tgt Ion:105 Resp: 41514

Ion Ratio Lower Upper

105 100

120 44.6 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 12.138 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036181.D

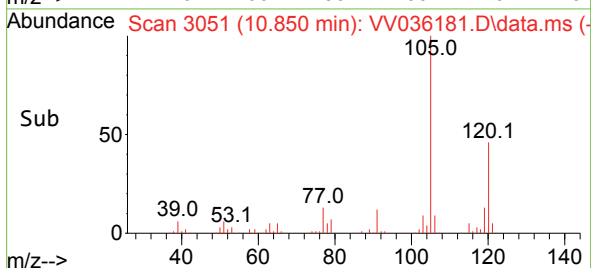
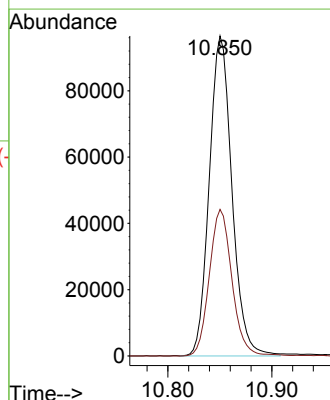
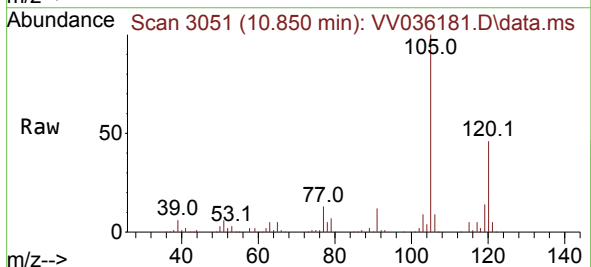
Acq: 20 Jun 2024 23:15

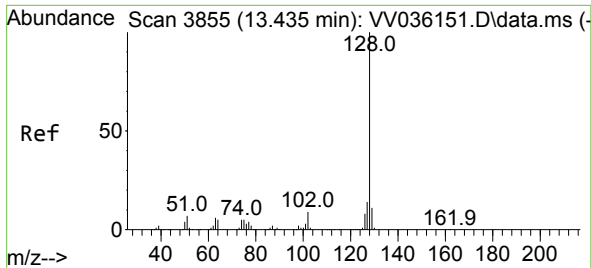
Tgt Ion:105 Resp: 146240

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.4





#71

Naphthalene

Concen: 239.946 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

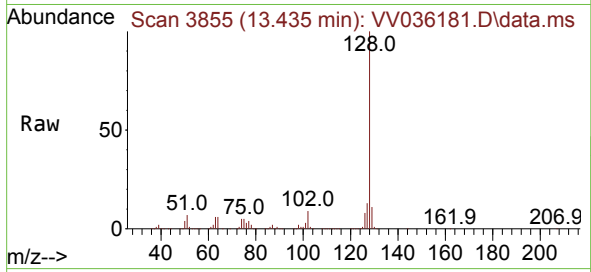
Lab File: VV036181.D

Acq: 20 Jun 2024 23:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 1867776

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.0 8.8 13.2

