Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036078.D
Acq On : 13 Jun 2024 22:36
Operator : SY/MD
Sample : P2856-11
Misc : 4.99g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 14 03:09:34 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	670367	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	615608	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	231011	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	280671	22.773	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.080%		
7) Chloroethane-d5	1.526	69	231199	23.526	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.120%		
11) 1,1-Dichloroethene-d2	2.050	65	116336	21.203	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	84.800%		
21) 2-Butanone-d5	3.828	46	97237	34.387	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	68.780%		
24) Chloroform-d	4.243	84	502719	23.588	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.360%		
26) 1,2-Dichloroethane-d4	4.937	65	279423	25.006	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.040%		
32) Benzene-d6	4.953	84	1014366	27.720	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	110.880%		
36) 1,2-Dichloropropane-d6	5.982	67	328306	28.490	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	113.960%		
41) Toluene-d8	7.240	98	864795	26.784	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	107.120%		
43) trans-1,3-Dichloroprop...	7.551	79	122038	25.828	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	103.320%		
47) 2-Hexanone-d5	8.027	63	80207	51.372	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.740%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	180783	20.994	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	83.960%		
66) 1,2-Dichlorobenzene-d4	11.558	152	207609	24.507	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	98.040%		
Target Compounds						Qvalue
13) Acetone	2.156	43	27929	6.341	ug/L	90
14) Carbon disulfide	2.233	76	351671	9.434	ug/L	99
16) Methylene chloride	2.442	84	62661	4.131	ug/L	99
34) Trichloroethene	5.828	95	289045	23.424	ug/L	100
42) Toluene	7.313	91	788504	19.166	ug/L	100
46) Tetrachloroethene	7.908	164	11895221	1318.029	ug/L	94
48) 2-Hexanone	8.027	43	8215	1.829	ug/L #	70
52) Ethylbenzene	8.944	91	2557918	58.112	ug/L	100
53) m,p-Xylene	9.072	106	474879	28.712	ug/L	99
54) o-Xylene	9.474	106	473828	30.379	ug/L	98
60) Isopropylbenzene	9.866	105	130401	4.400	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	652240	30.349	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1600067	69.102	ug/L	100

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

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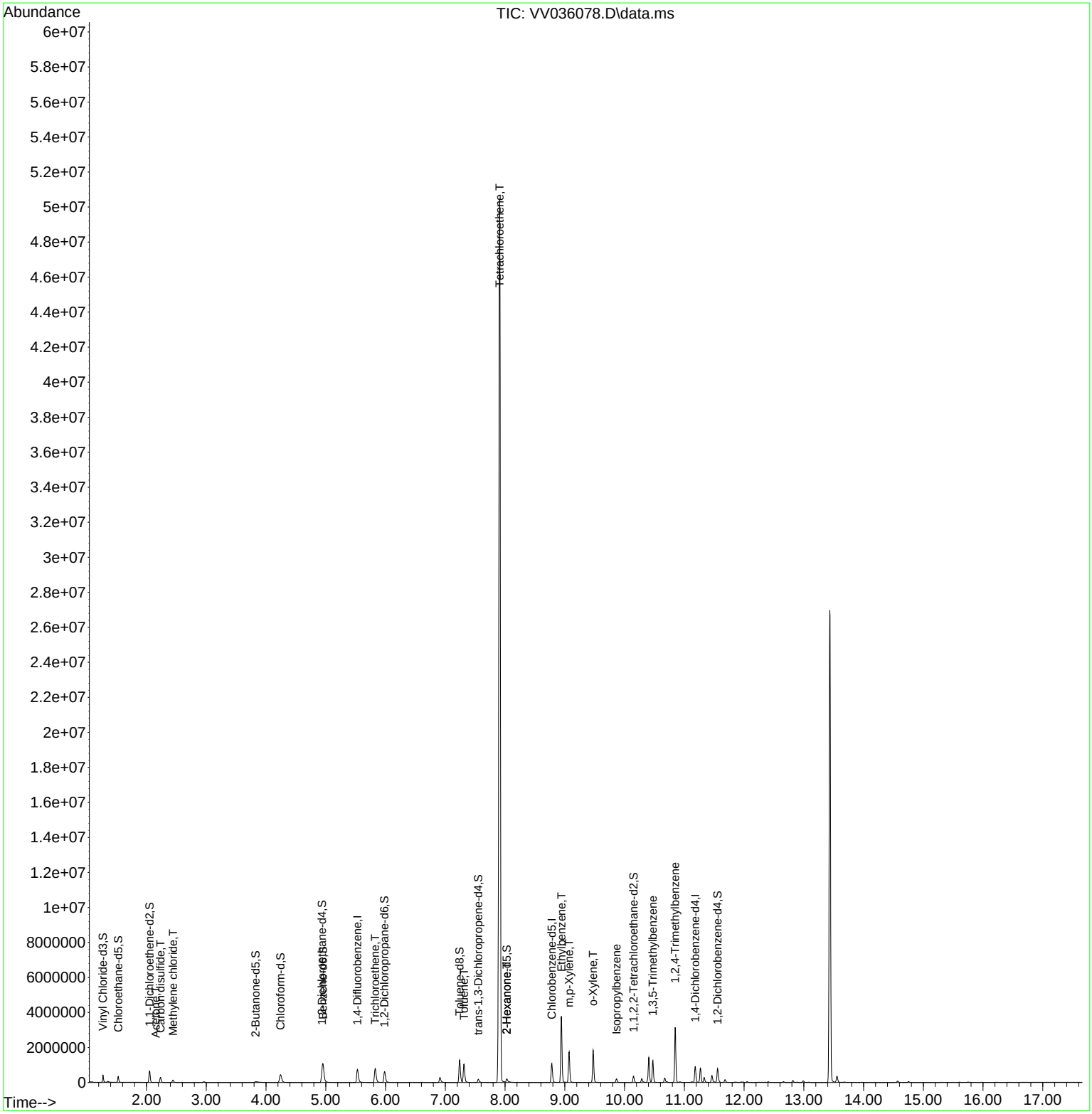
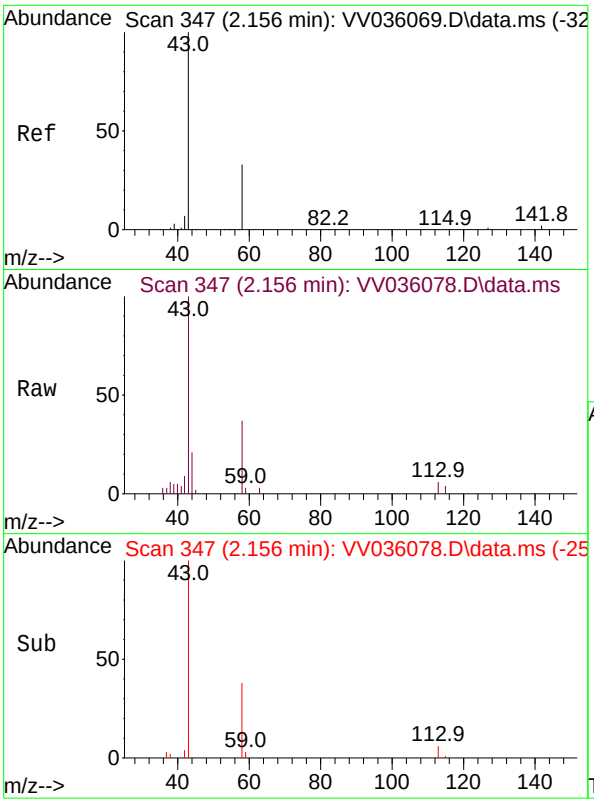
Quant Title : VOC Analysis
QLast Update : Fri Jun 14 02:40:50 2024
Response via : Initial Calibration



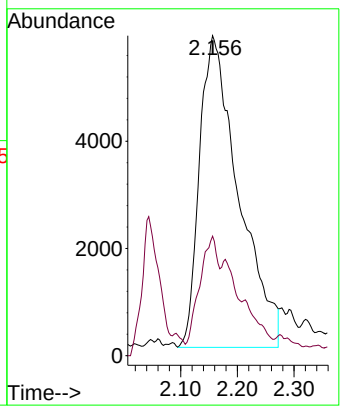


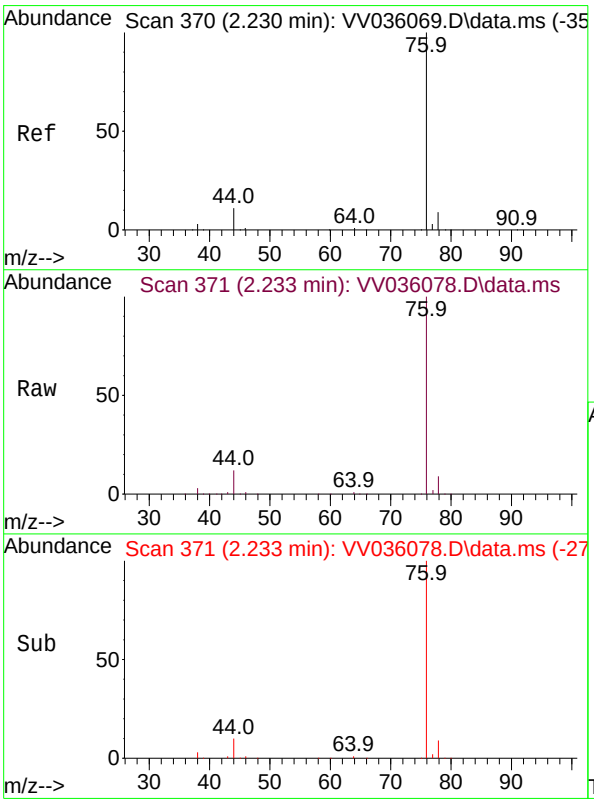
#13
Acetone
Concen: 6.341 ug/L
RT: 2.156 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 27929

Ion	Ratio	Lower	Upper
43	100		
58	16.0	0.0	24.2

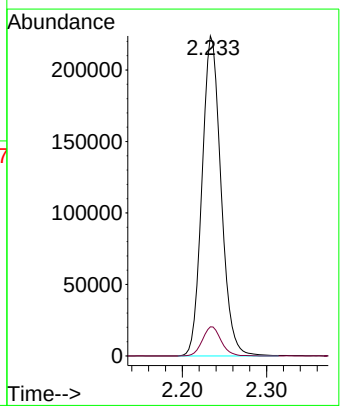


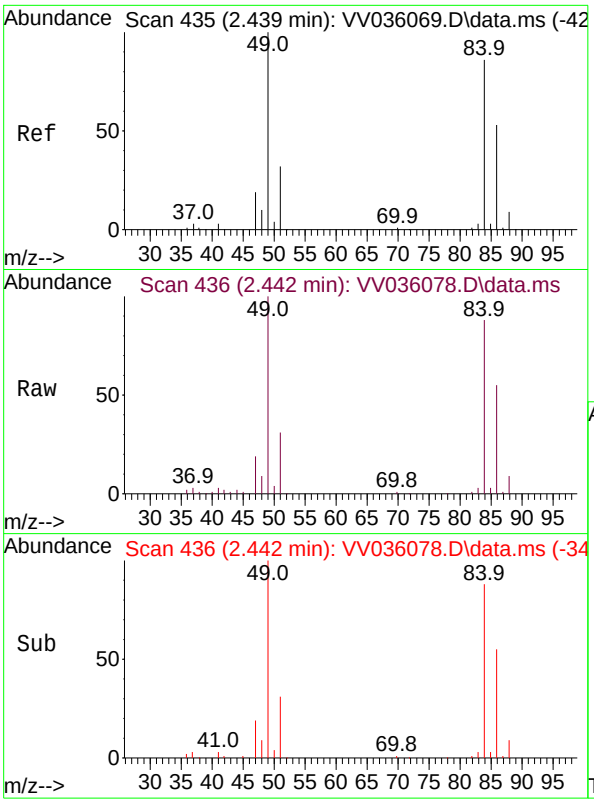


#14
Carbon disulfide
Concen: 9.434 ug/L
RT: 2.233 min Scan# 371
Delta R.T. 0.003 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Tgt Ion: 76 Resp: 351671

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2



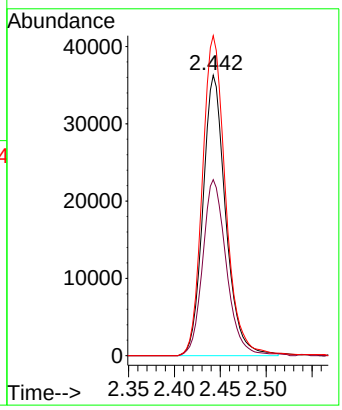


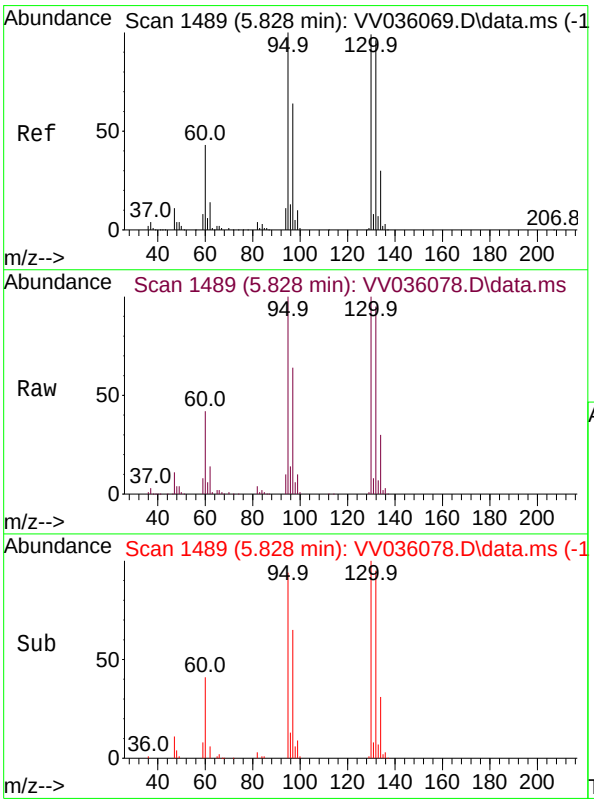
#16
Methylene chloride
Concen: 4.131 ug/L
RT: 2.442 min Scan# 4
Delta R.T. 0.003 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 84 Resp: 62661

Ion	Ratio	Lower	Upper
84	100		
86	62.8	44.6	82.8
49	114.1	81.1	150.5

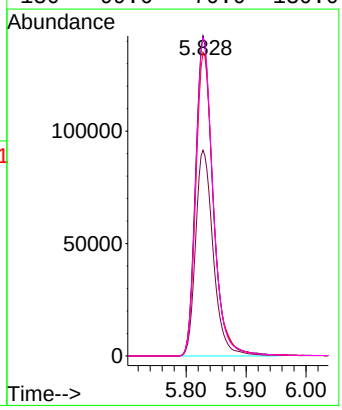


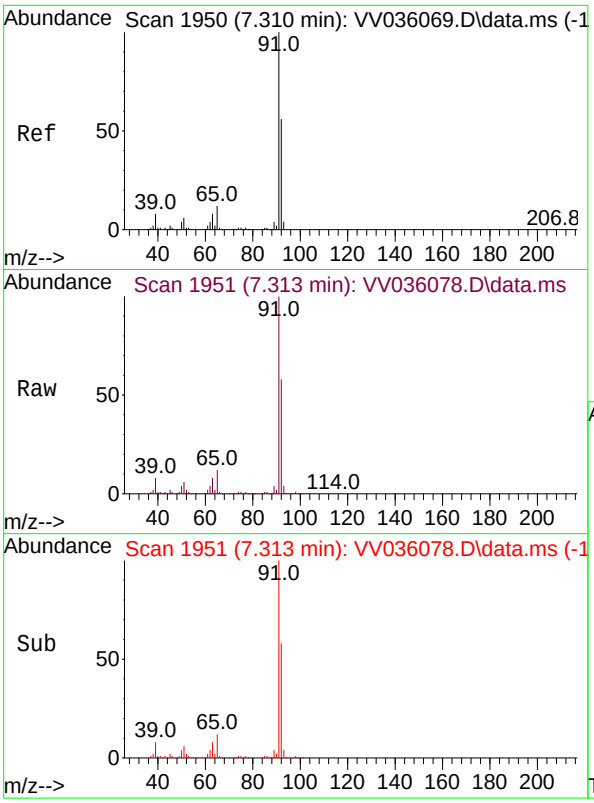


#34
Trichloroethene
Concen: 23.424 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Tgt Ion: 95 Resp: 289045

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.8	83.2
132	94.9	66.8	124.2
130	99.6	70.0	130.0



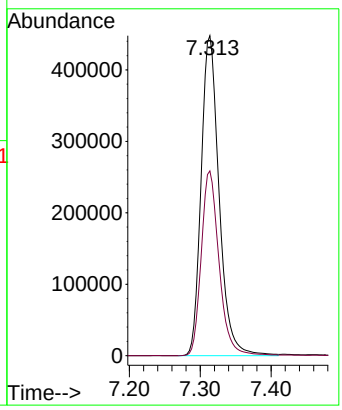


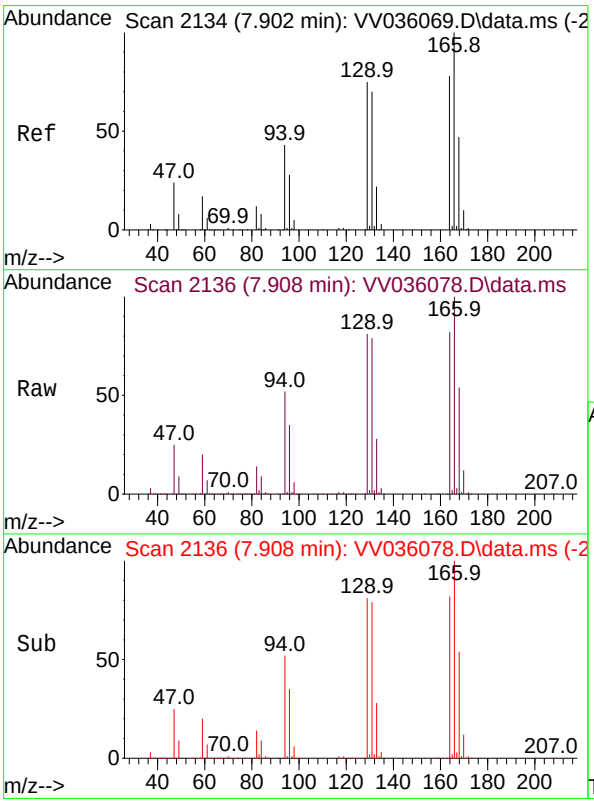
#42
Toluene
Concen: 19.166 ug/L
RT: 7.313 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 788504

Ion	Ratio	Lower	Upper
91	100		
92	57.8	40.6	75.4

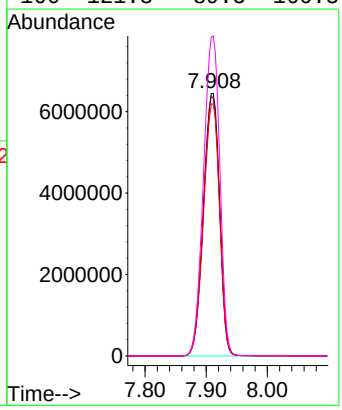


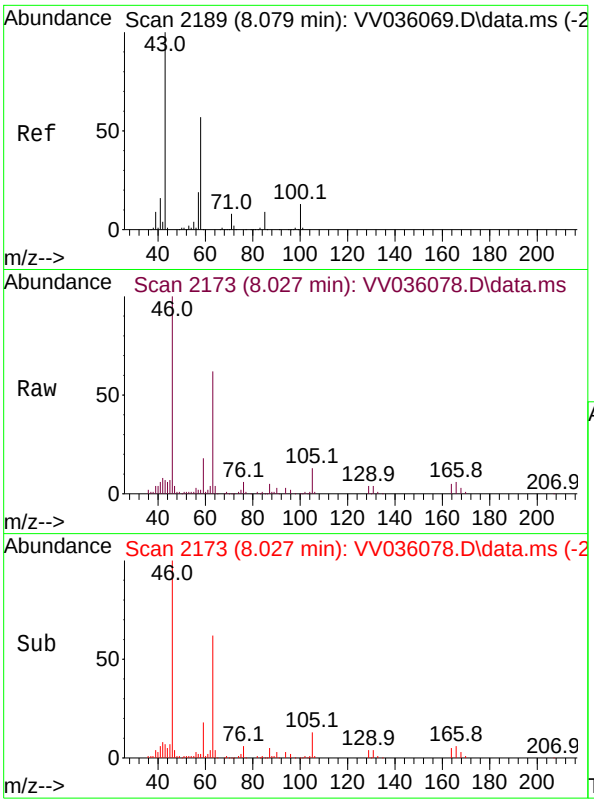


#46
Tetrachloroethene
Concen: 1318.029 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Tgt Ion:164 Resp:11895221

Ion	Ratio	Lower	Upper
164	100		
129	98.9	64.6	120.0
131	95.9	63.2	117.4
166	121.3	89.5	166.3



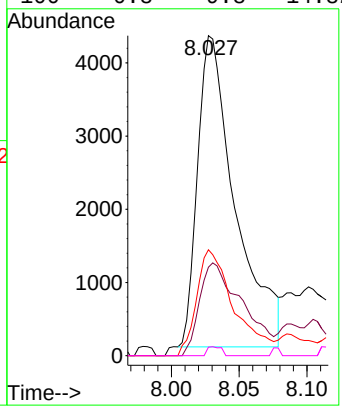


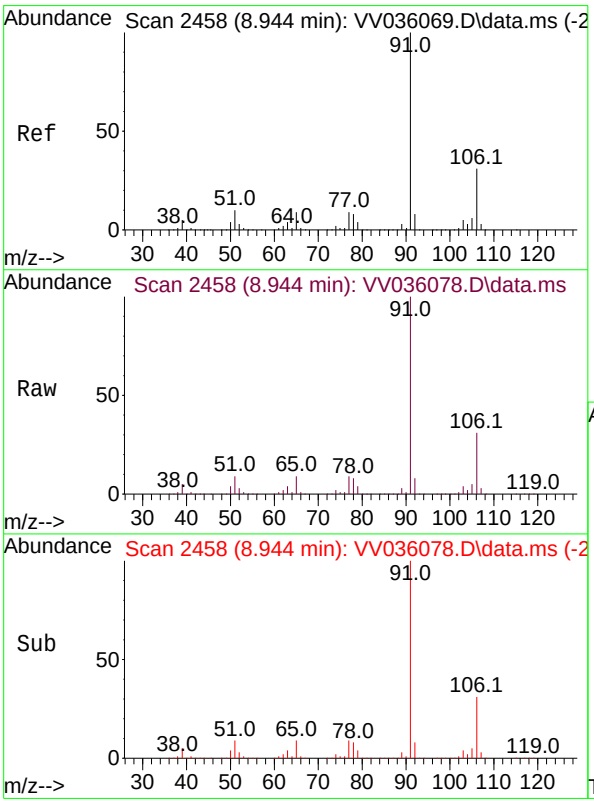
#48
2-Hexanone
Concen: 1.829 ug/L
RT: 8.027 min Scan# 2
Delta R.T. -0.051 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 8215

Ion	Ratio	Lower	Upper
43	100		
58	34.2	45.4	68.0#
57	33.9	15.8	23.8#
100	0.8	9.8	14.8#

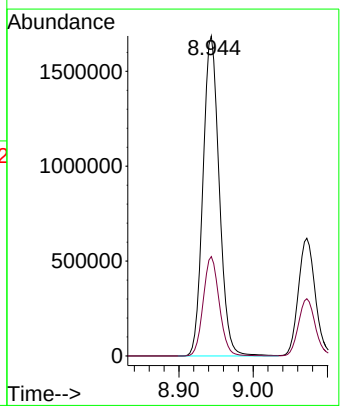


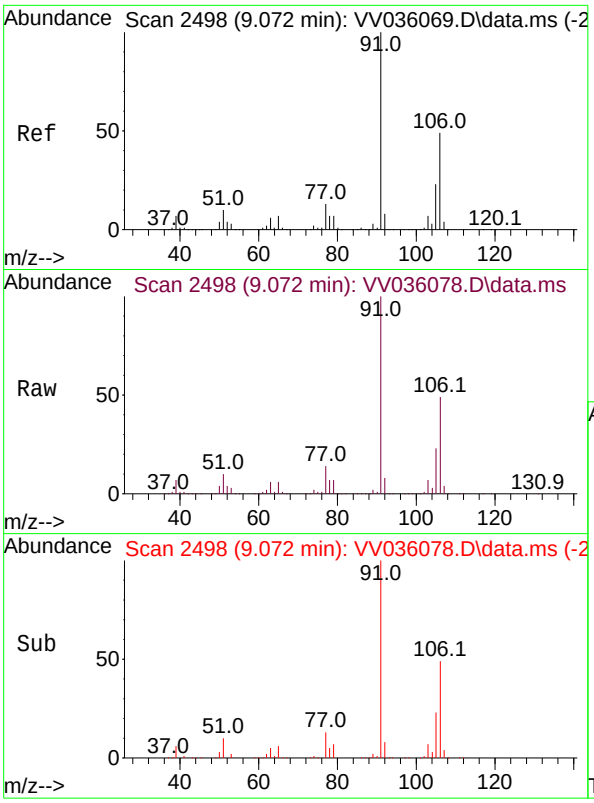


#52
Ethylbenzene
Concen: 58.112 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Tgt Ion: 91 Resp: 2557918

Ion	Ratio	Lower	Upper
91	100		
106	31.1	21.6	40.0



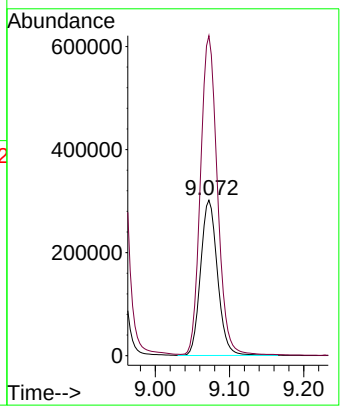


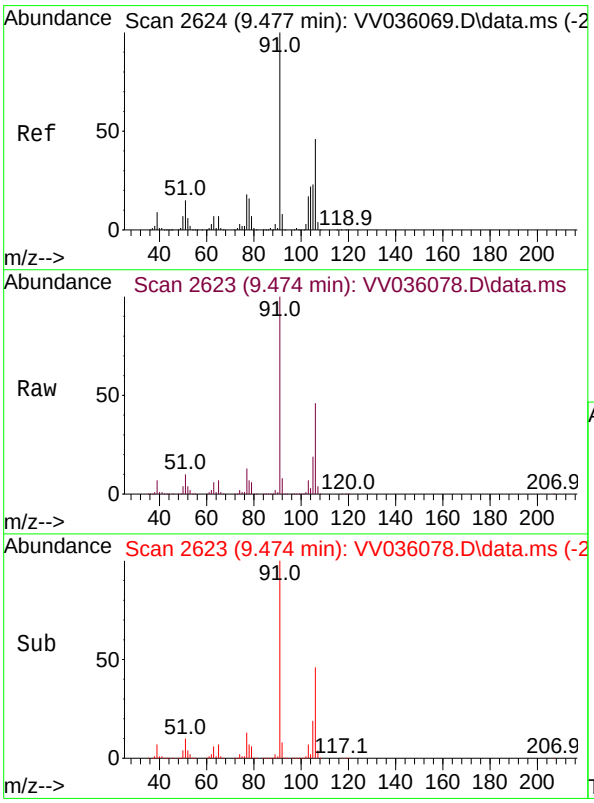
#53
m,p-Xylene
Concen: 28.712 ug/L
RT: 9.072 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:106 Resp: 474879

Ion	Ratio	Lower	Upper
106	100		
91	205.7	143.1	265.9

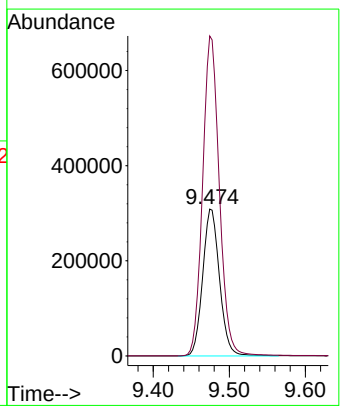


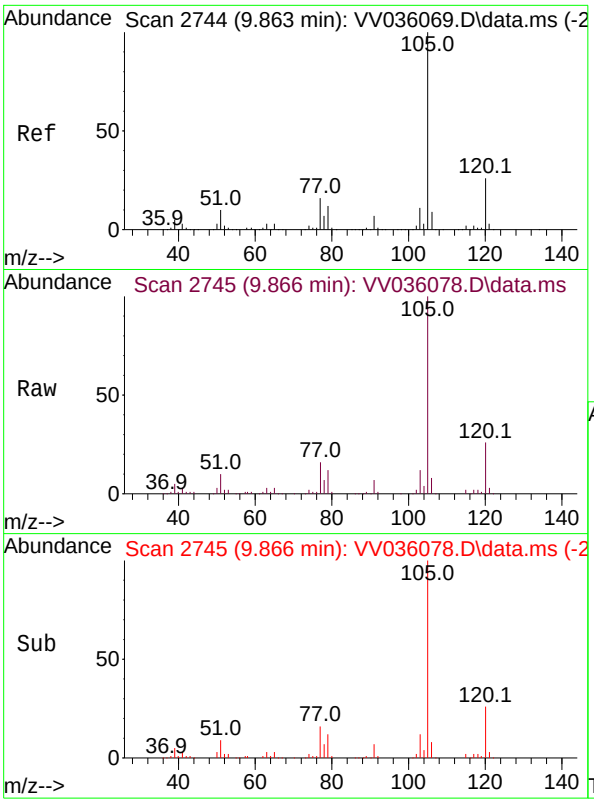


#54
o-Xylene
Concen: 30.379 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.003 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Tgt Ion:106 Resp: 473828

Ion	Ratio	Lower	Upper
106	100		
91	217.9	154.5	286.9



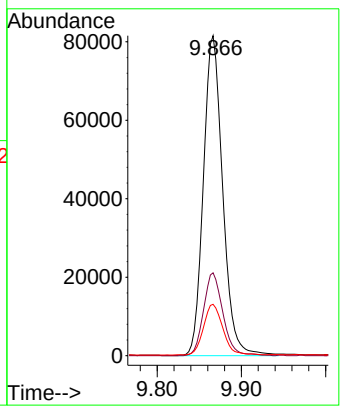


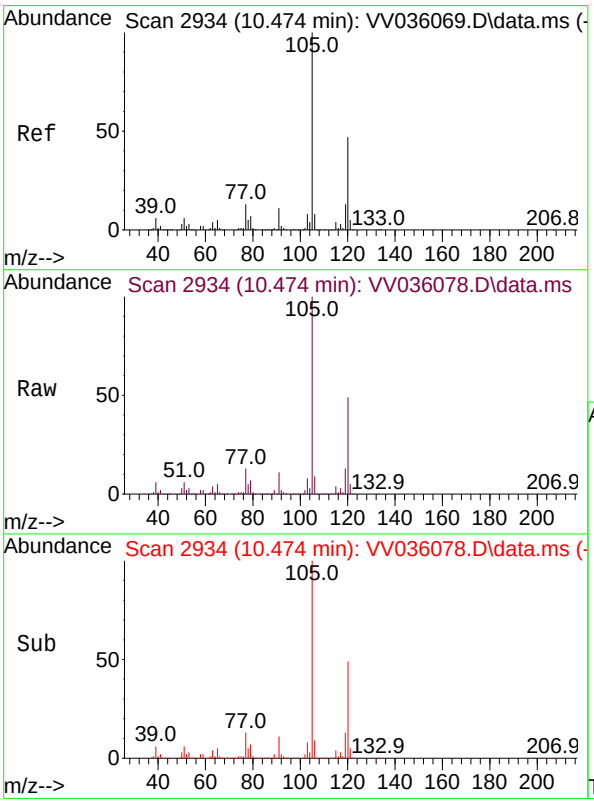
#60
Isopropylbenzene
Concen: 4.400 ug/L
RT: 9.866 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 130401

Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.6
77	15.5	12.6	18.8

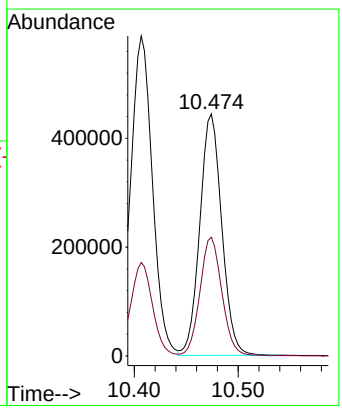


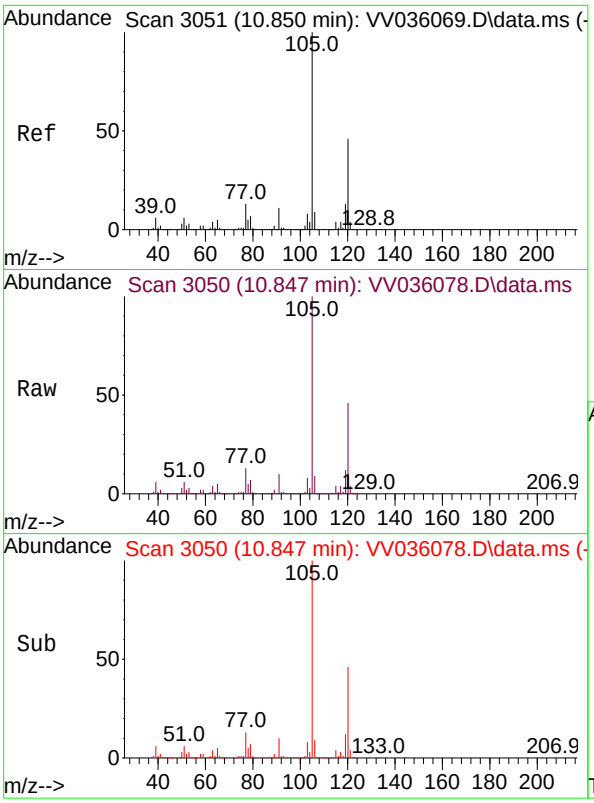


#62
1,3,5-Trimethylbenzene
Concen: 30.349 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.000 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Tgt Ion:105 Resp: 652240

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.6	58.0





#63
1,2,4-Trimethylbenzene
Concen: 69.102 ug/L
RT: 10.847 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV036078.D
Acq: 13 Jun 2024 22:36

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 1600067

Ion	Ratio	Lower	Upper
105	100		
120	45.5	36.2	54.4