Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072419\
Data File : VV012003.D
Acq On : 24 Jul 2019 11:34
Operator : SY/MD
Sample : K3890-12
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52U4

Quant Time: Jul 25 08:25:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	136803	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	132666	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70634	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	28137	3.96	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.20%			
7) Chloroethane-d5	1.59	69	22416	4.01	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 80.20%			
11) 1,1-Dichloroethene-d2	2.13	63	53732	3.80	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 76.00%			
20) 2-Butanone-d5	3.97	46	92536	44.52	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 89.04%			
24) Chloroform-d	4.40	84	74970	4.02	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 80.40%			
26) 1,2-Dichloroethane-d4	5.08	65	44129	4.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.80%			
32) Benzene-d6	5.10	84	159086	4.30	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.00%			
36) 1,2-Dichloropropane-d6	6.12	67	44167	4.17	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 83.40%			
41) Toluene-d8	7.36	98	146489	4.27	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.40%			
43) trans-1,3-Dichloropropene-	7.66	79	18026	4.20	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 84.00%			
46) 2-Hexanone-d5	8.14	63	76212	44.17	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 88.34%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	31683	4.21	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 84.20%			
64) 1,2-Dichlorobenzene-d4	11.67	152	58969	4.33	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 86.60%			
Target Compounds						Qvalue
6) Bromomethane	1.54	94	10232	2.071	ug/L	95
12) 1,1-Dichloroethene	2.14	96	14188	2.279	ug/L #	70
14) Carbon disulfide	2.32	76	148741	8.381	ug/L	100
15) Methyl Acetate	2.47	43	96585	39.490	ug/L	96
16) Methylene chloride	2.54	84	37813	5.416	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	271720	12.790	ug/L	99
21) 2-Butanone	4.05	43	89001	41.412	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	74349	7.135	ug/L	98
27) 1,2-Dichloroethane	5.18	62	71270	6.197	ug/L	98
30) Cyclohexane	4.72	56	189075	11.787	ug/L	100
33) Benzene	5.15	78	223757	5.734	ug/L	100
34) Trichloroethene	5.96	95	42120	3.887	ug/L	98
35) Methylcyclohexane	6.17	83	387469	22.972	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	168796	32.201	ug/L	98
42) Toluene	7.43	91	773964	18.477	ug/L	99
47) Tetrachloroethene	8.02	164	48564	5.193	ug/L	97
48) 2-Hexanone	8.19	43	99408	27.033	ug/L	99

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ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52U4

Quant Time: Jul 25 08:25:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 1,2-Dibromoethane	8.40	107	13157	2.151	ug/L	99
52) Ethylbenzene	9.05	91	535136	11.192	ug/L	99
53) m,p-xylene	9.18	106	180450	9.915	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	161818	7.004	ug/L	99

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

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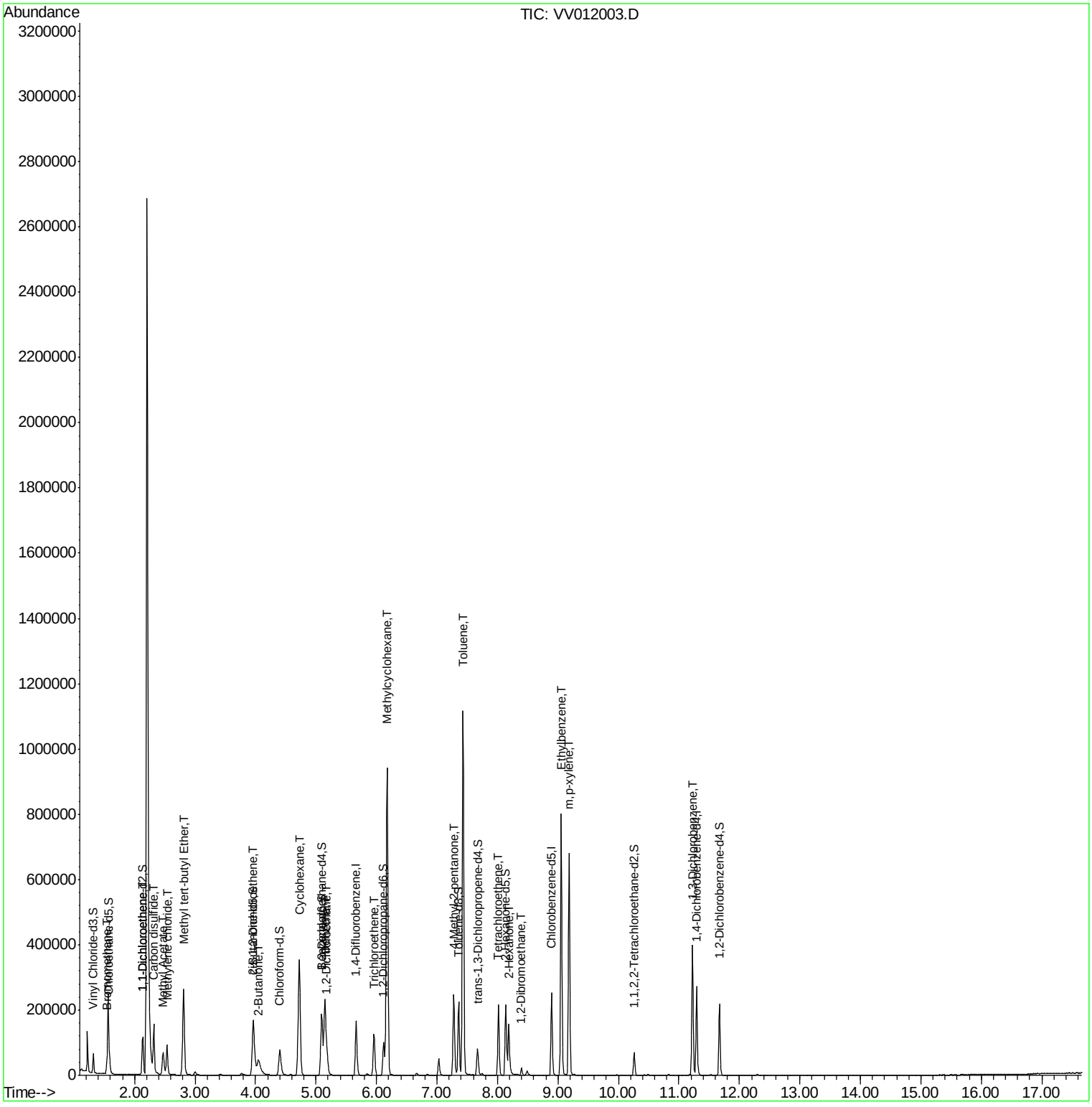
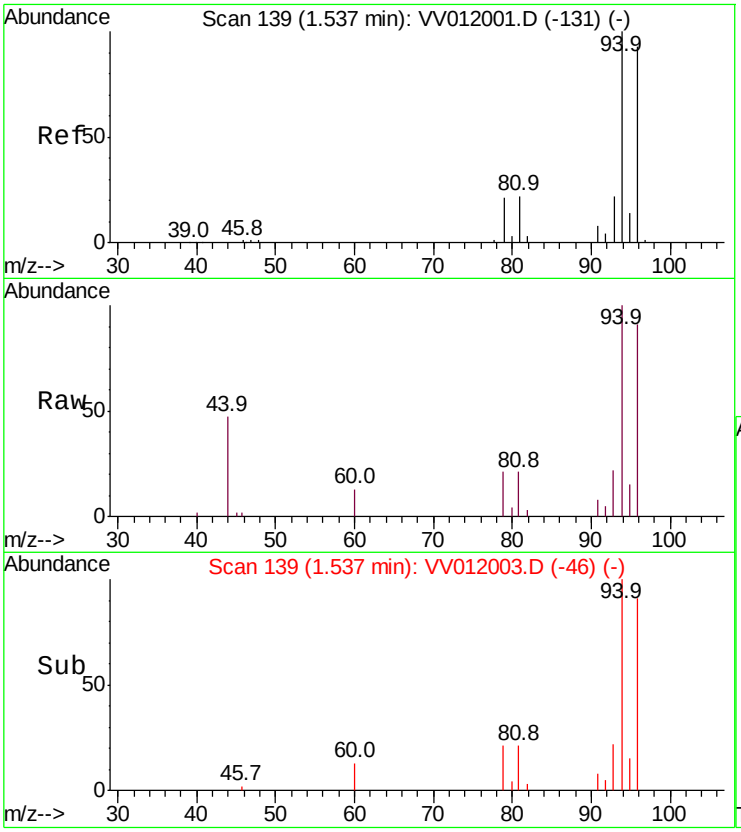
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration



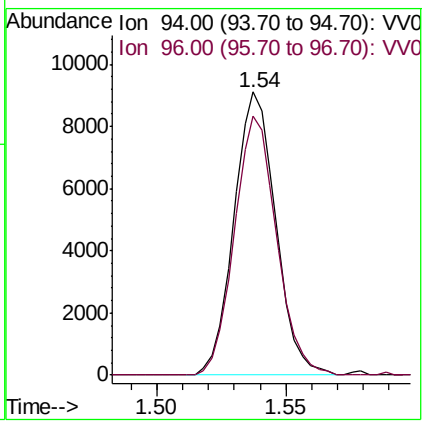


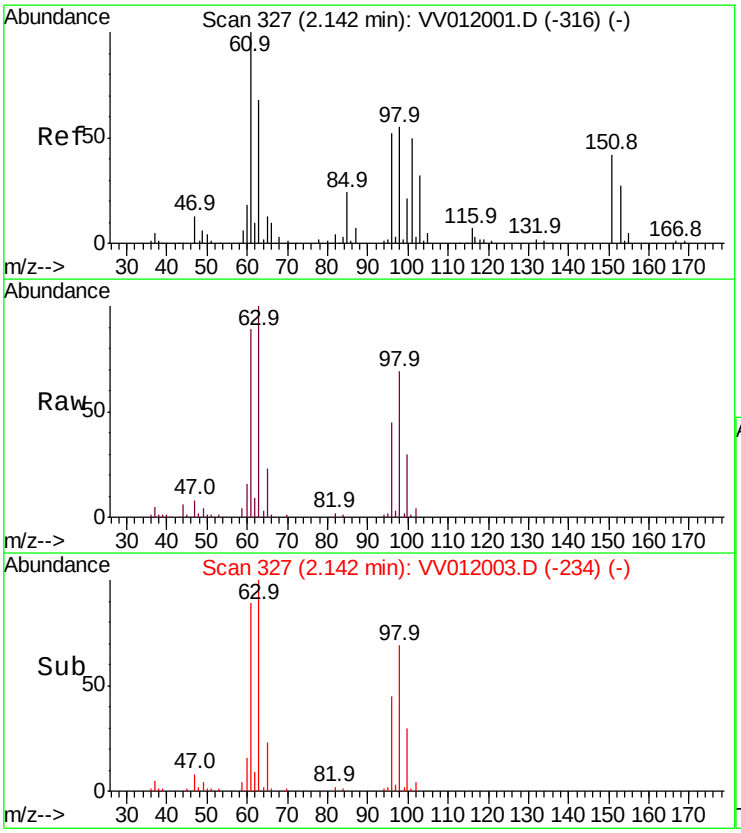
#6
Bromomethane
Concen: 2.071 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 94 Resp: 10232

Ion	Ratio	Lower	Upper
94	100		
96	91.5	67.3	125.1

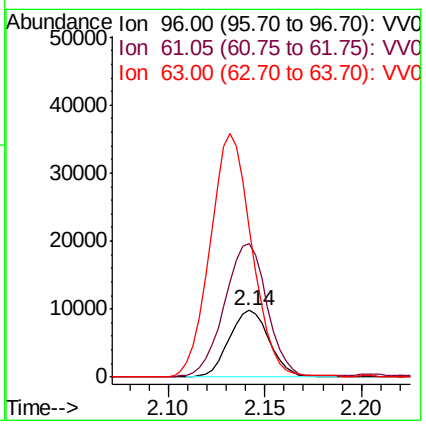


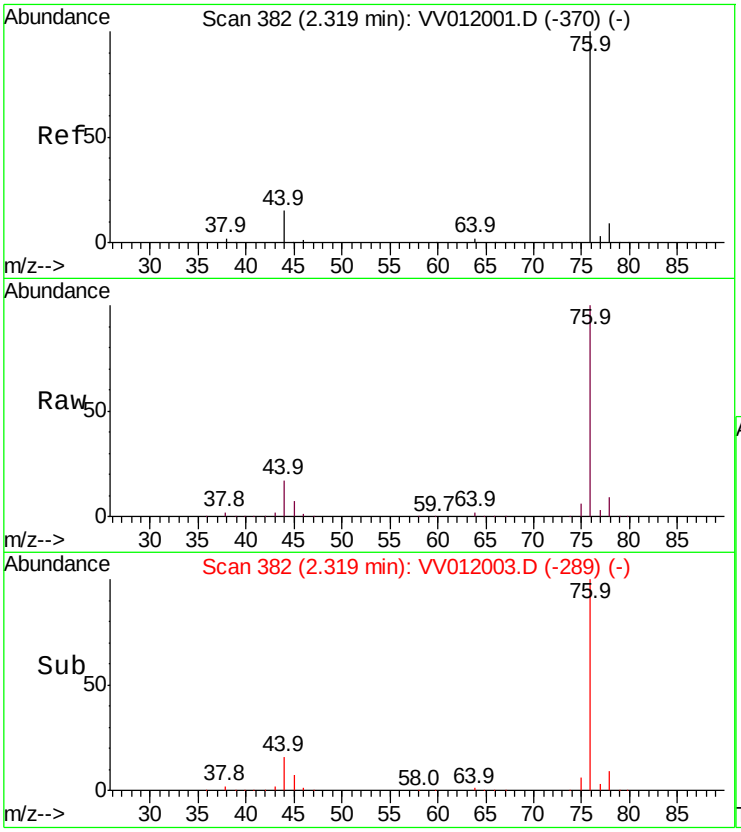


#12
1,1-Dichloroethene
Concen: 2.279 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 96 Resp: 14188

Ion	Ratio	Lower	Upper
96	100		
61	199.7	132.7	246.5
63	224.2	104.0	193.1#



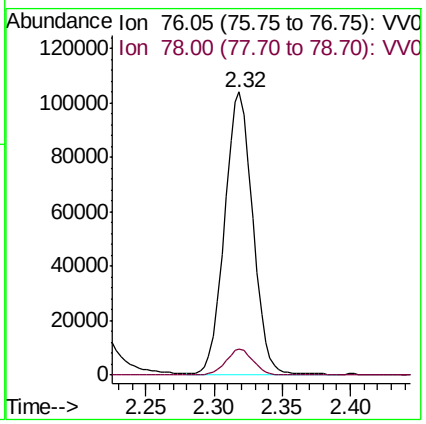


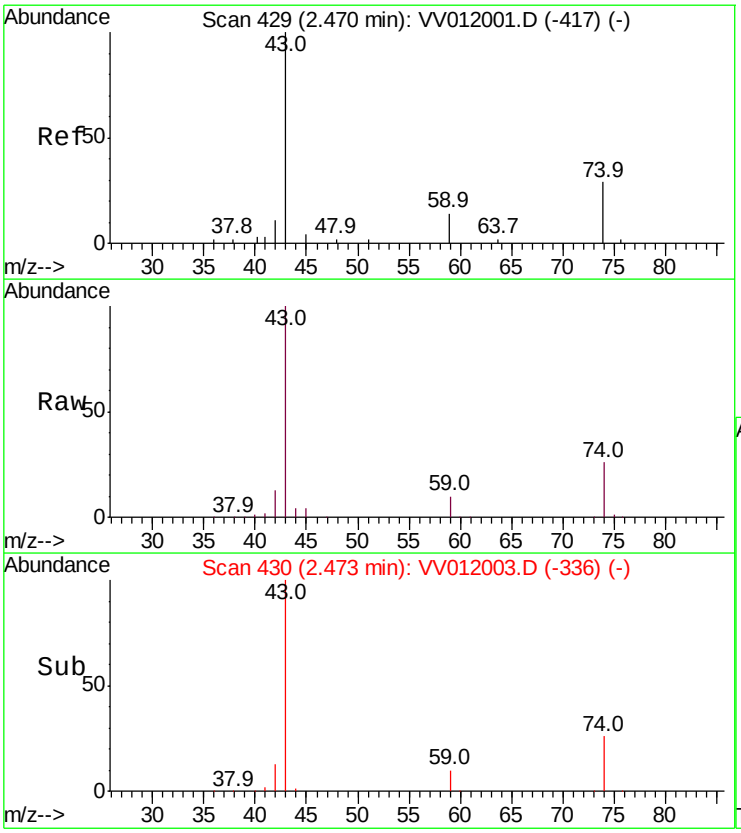
#14
Carbon disulfide
Concen: 8.381 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 76 Resp: 148741

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

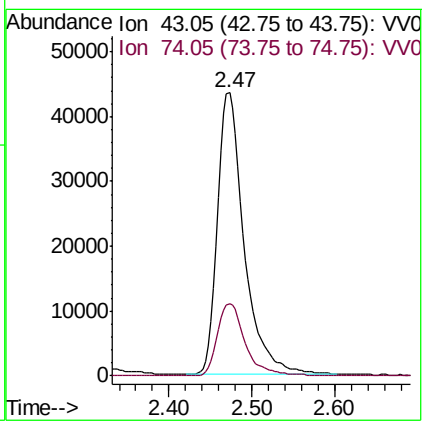


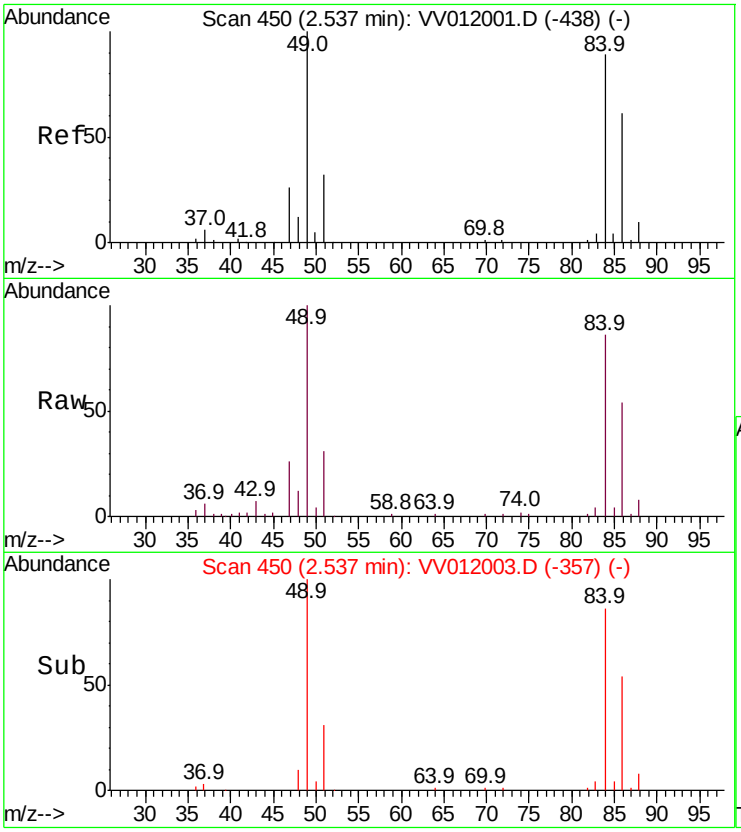


#15
Methyl Acetate
Concen: 39.490 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 43 Resp: 96585

Ion	Ratio	Lower	Upper
43	100		
74	27.2	23.4	35.2



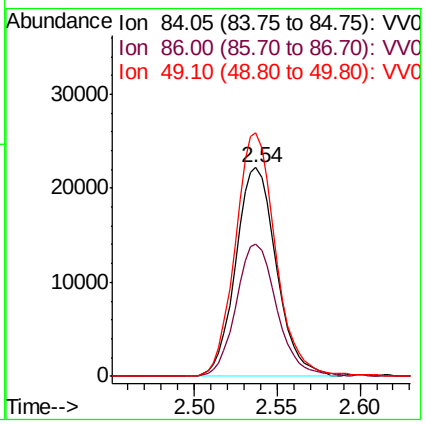


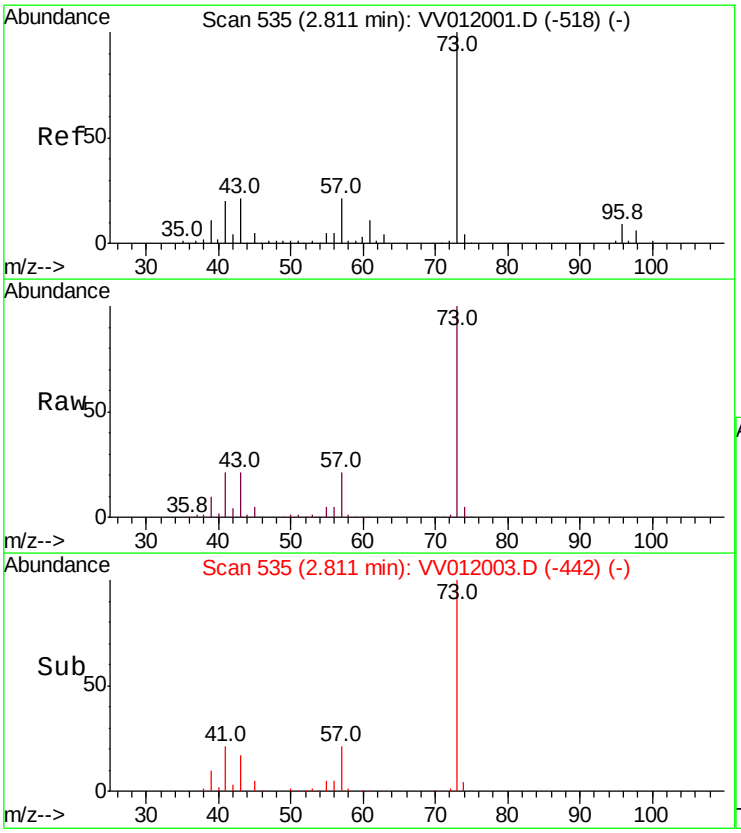
#16
Methylene chloride
Concen: 5.416 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument : MSVOA_V
ClientSampleId : A52U4

Tgt Ion: 84 Resp: 37813

Ion	Ratio	Lower	Upper
84	100		
86	63.2	47.6	88.4
49	116.7	84.3	156.5

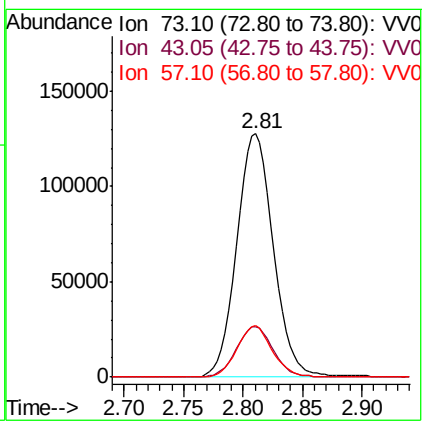


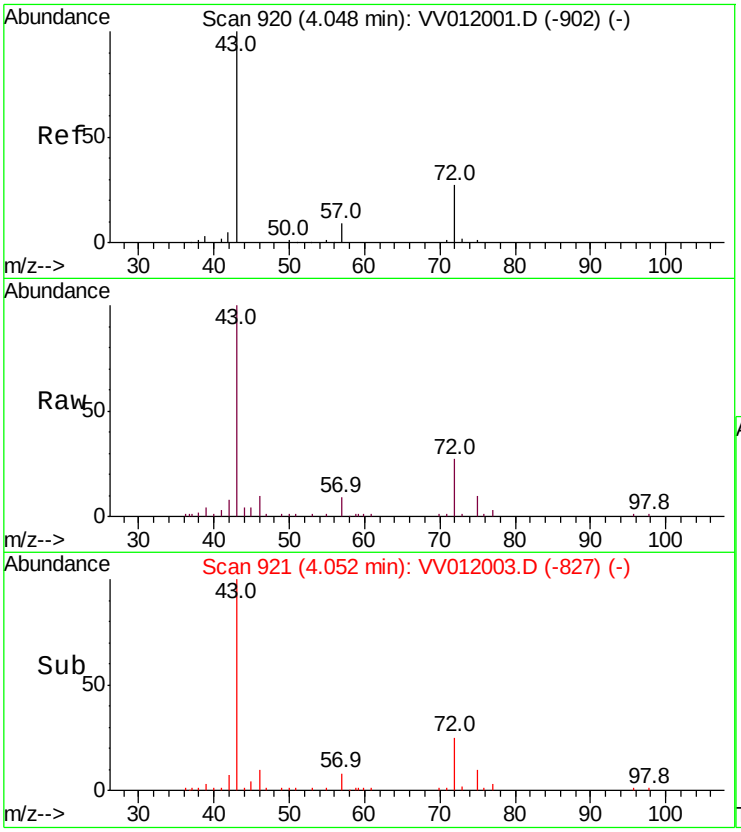


#17
Methyl tert-butyl Ether
Concen: 12.790 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 73 Resp: 271720

Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.0	25.4
57	20.5	17.0	25.6



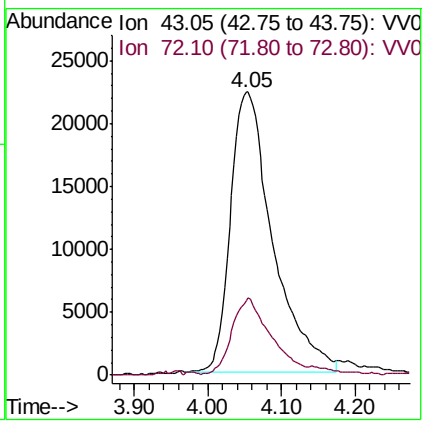


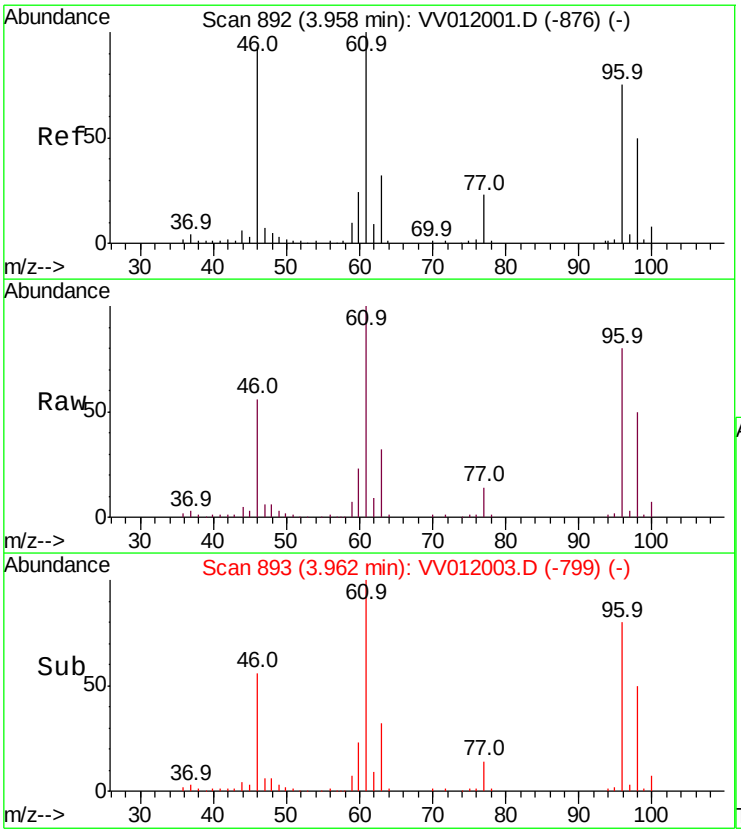
#21
2-Butanone
Concen: 41.412 ug/L
RT: 4.05 min Scan# 921
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 43 Resp: 89001

Ion	Ratio	Lower	Upper
43	100		
72	25.5	13.6	40.8

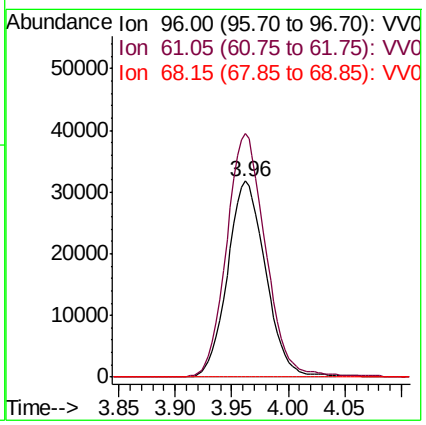


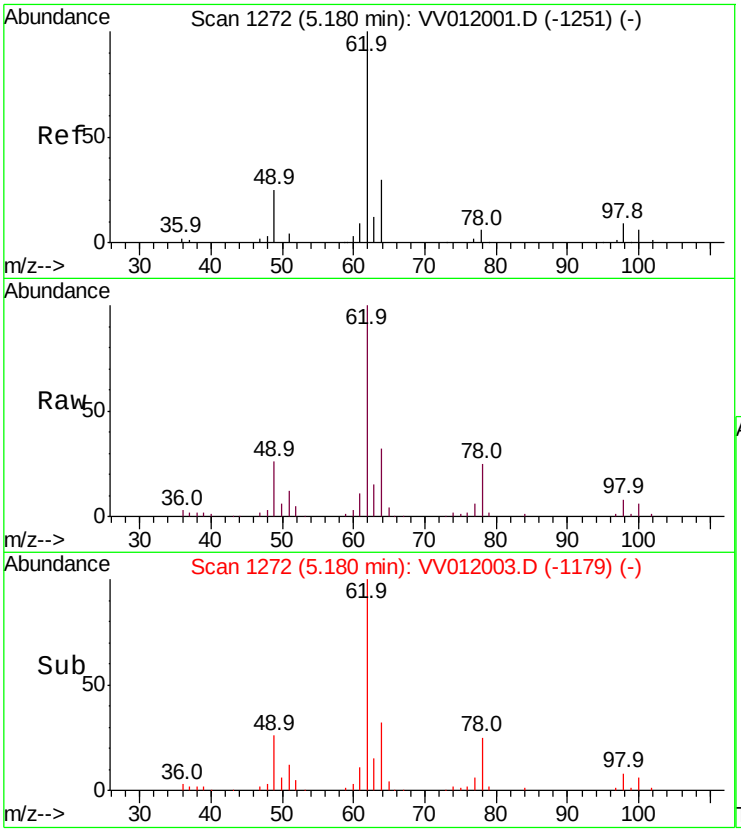


#22
cis-1,2-Dichloroethene
Concen: 7.135 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 96 Resp: 74349

Ion	Ratio	Lower	Upper
96	100		
61	124.3	89.0	165.2
68	0.0	0.0	0.0



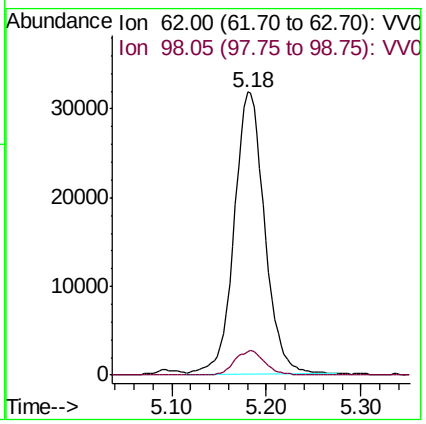


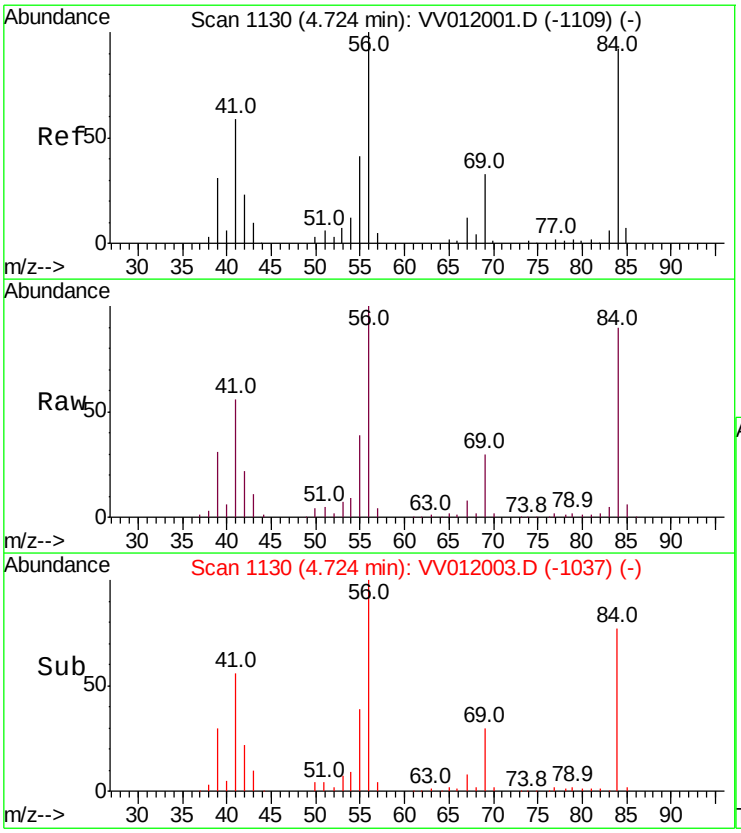
#27
1,2-Dichloroethane
Concen: 6.197 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument : MSVOA_V
ClientSampleId : A52U4

Tgt Ion: 62 Resp: 71270

Ion	Ratio	Lower	Upper
62	100		
98	8.2	7.0	10.6

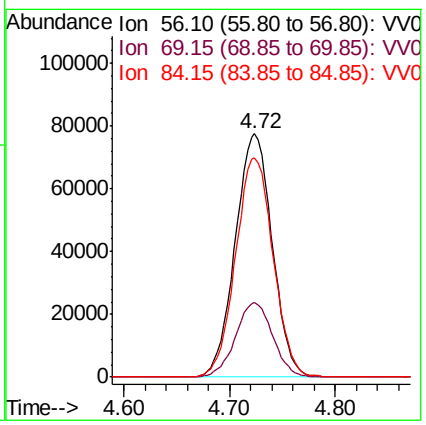


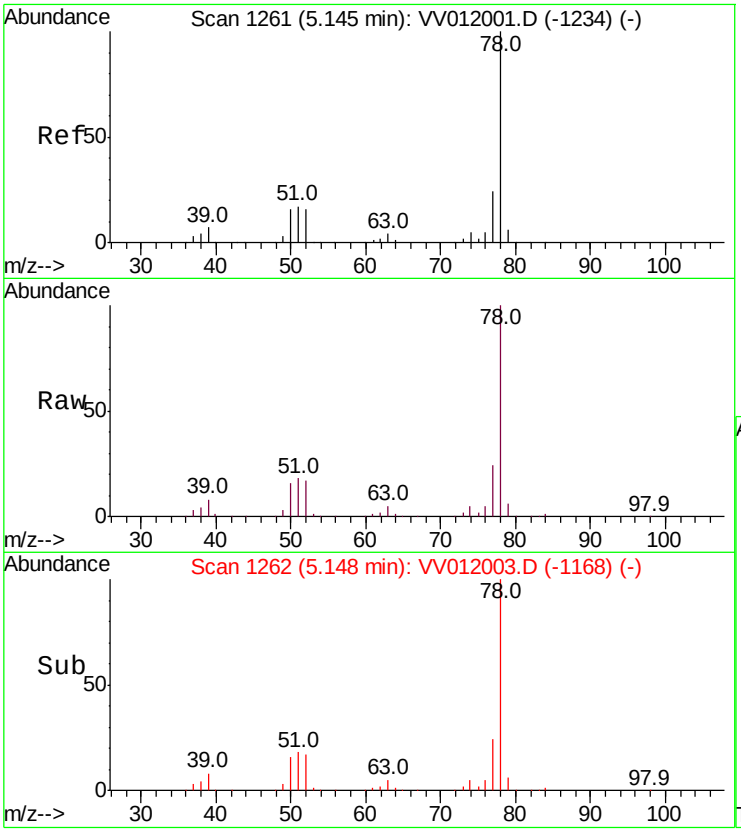


#30
Cyclohexane
Concen: 11.787 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 56 Resp: 189075

Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.4	38.2
84	91.7	73.4	110.0

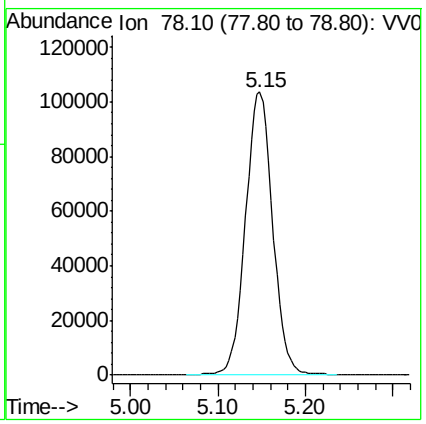


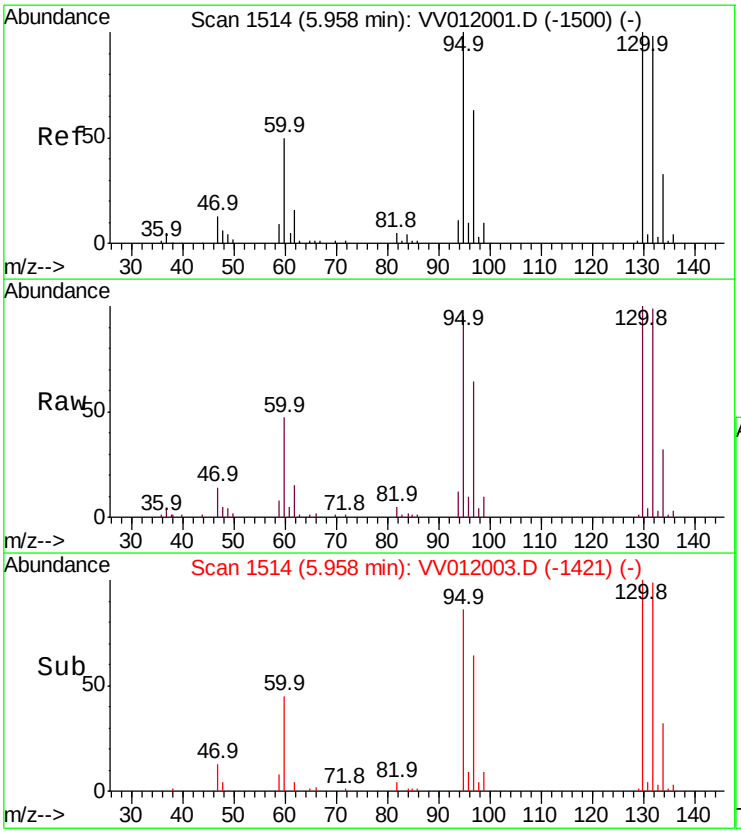


#33
Benzene
Concen: 5.734 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 78 Resp: 223757

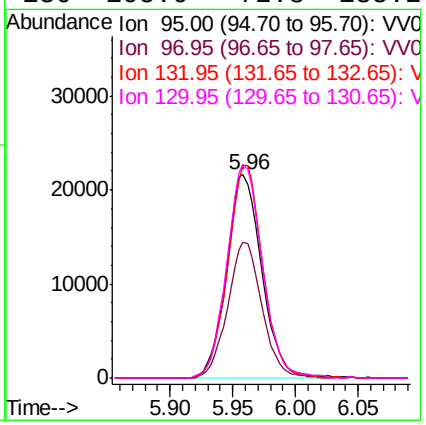


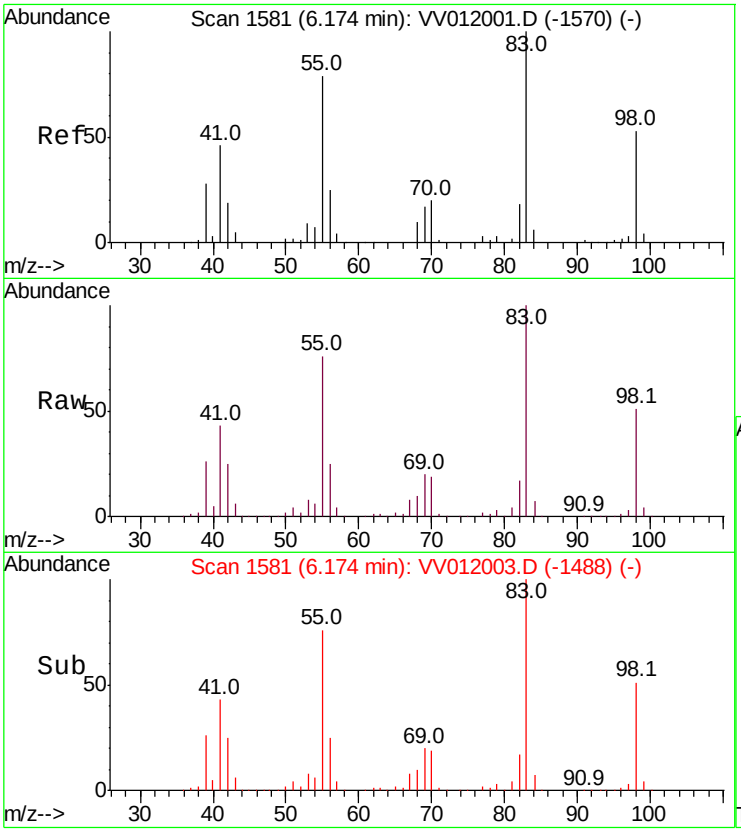


#34
Trichloroethene
Concen: 3.887 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 95 Resp: 42120

Ion	Ratio	Lower	Upper
95	100		
97	66.8	45.6	84.6
132	104.5	71.3	132.3
130	105.0	72.8	135.2



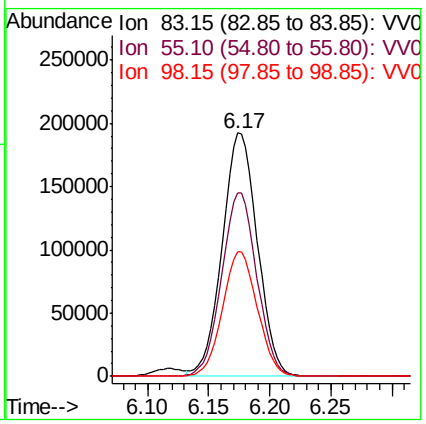


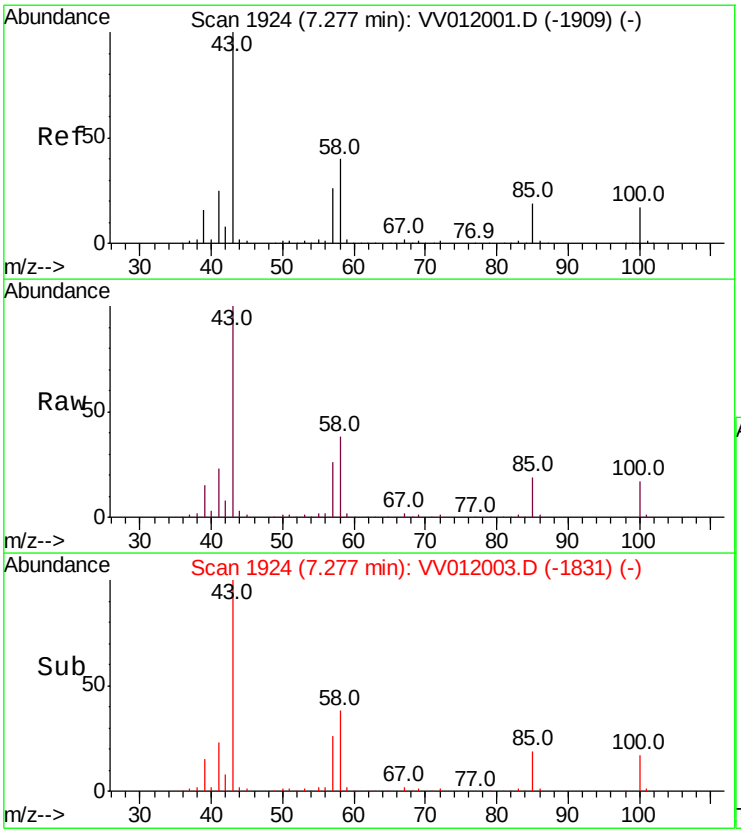
#35
Methylcyclohexane
Concen: 22.972 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 83 Resp: 387469

Ion	Ratio	Lower	Upper
83	100		
55	75.4	63.0	94.4
98	50.6	41.4	62.0

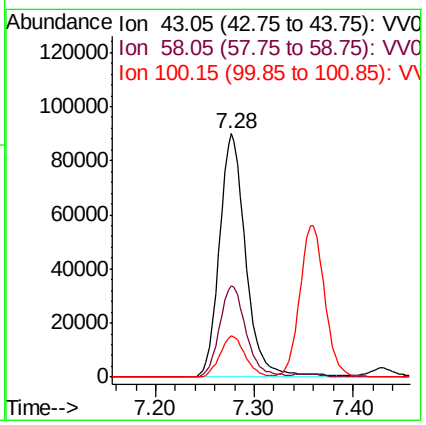


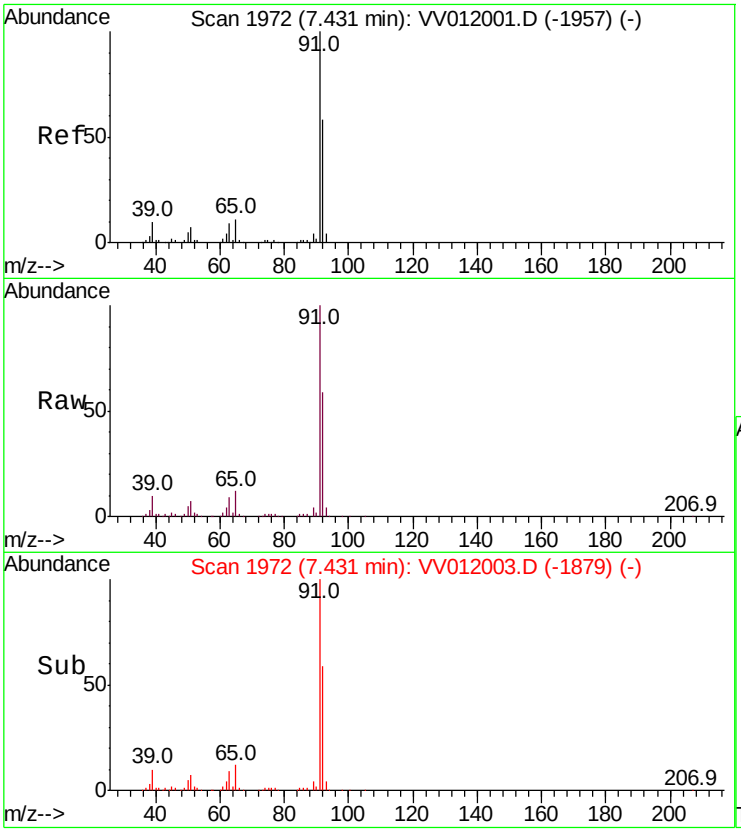


#40
4-Methyl-2-pentanone
Concen: 32.201 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion: 43 Resp: 168796

Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.2	46.8
100	16.3	13.5	20.3



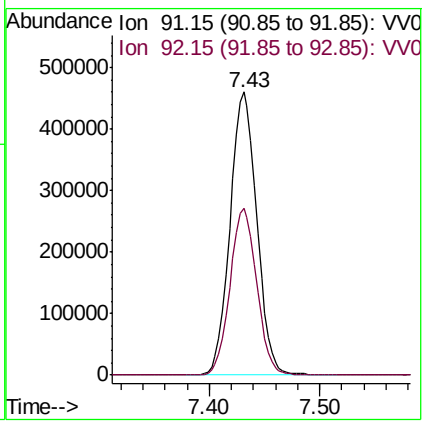


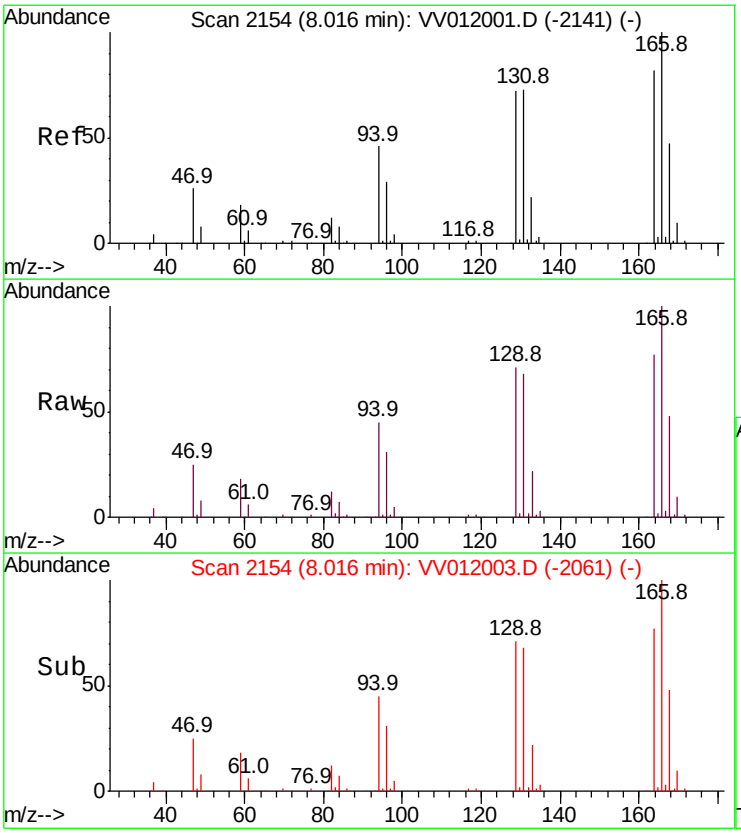
#42
Toluene
Concen: 18.477 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 91 Resp: 773964

Ion	Ratio	Lower	Upper
91	100		
92	59.0	41.9	77.9

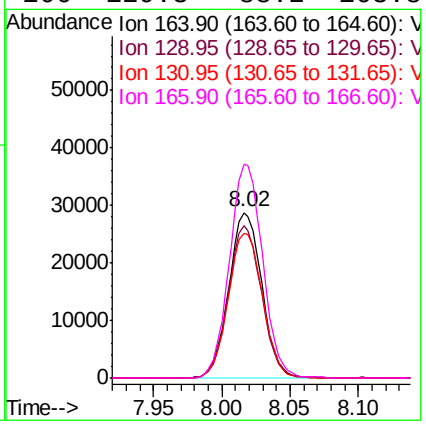


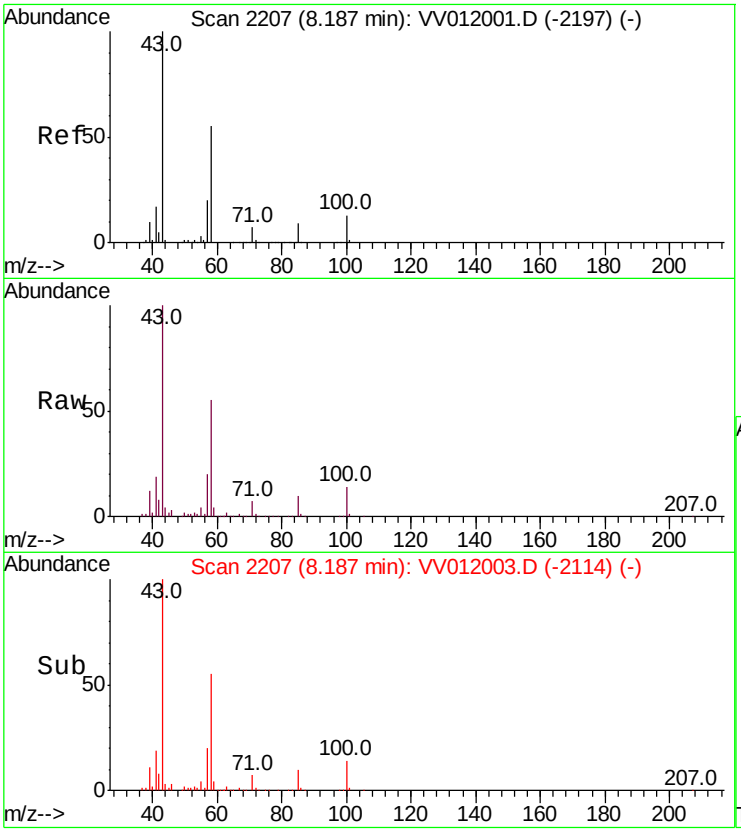


#47
Tetrachloroethene
Concen: 5.193 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion:164 Resp: 48564

Ion	Ratio	Lower	Upper
164	100		
129	92.3	62.5	116.1
131	87.8	58.6	108.8
166	129.3	88.2	163.8



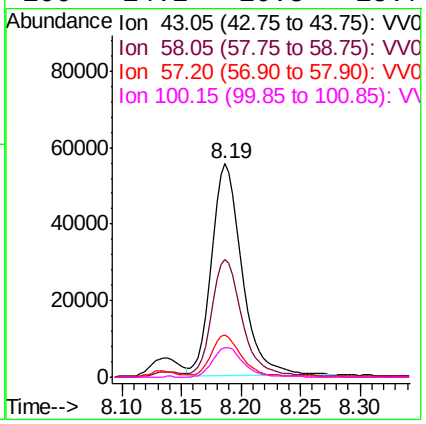


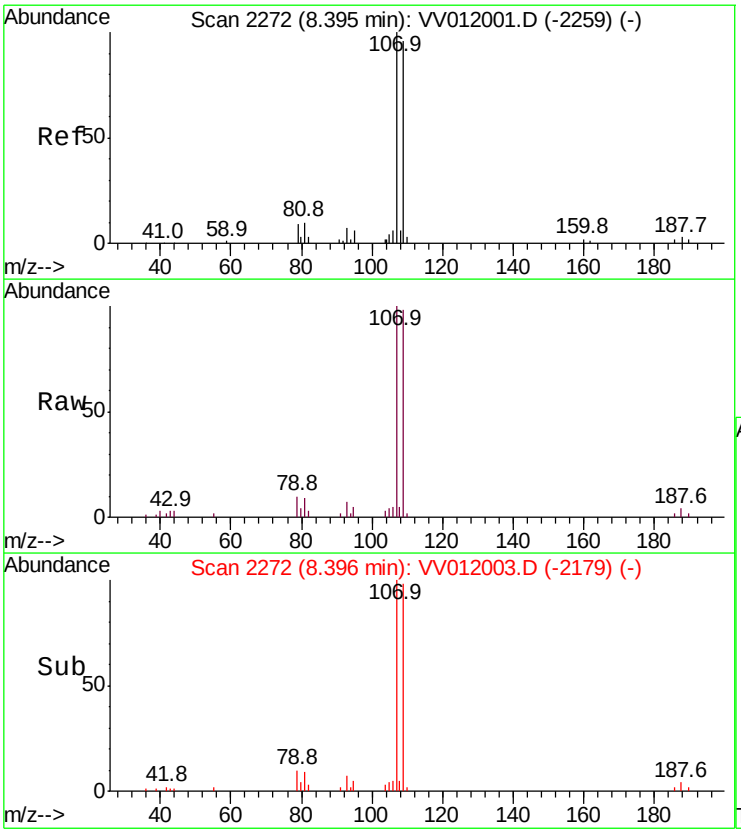
#48
2-Hexanone
Concen: 27.033 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion: 43 Resp: 99408

Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.7	65.5
57	19.6	16.0	24.0
100	14.2	10.5	15.7

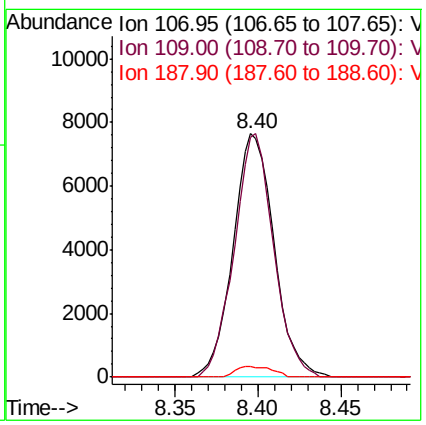


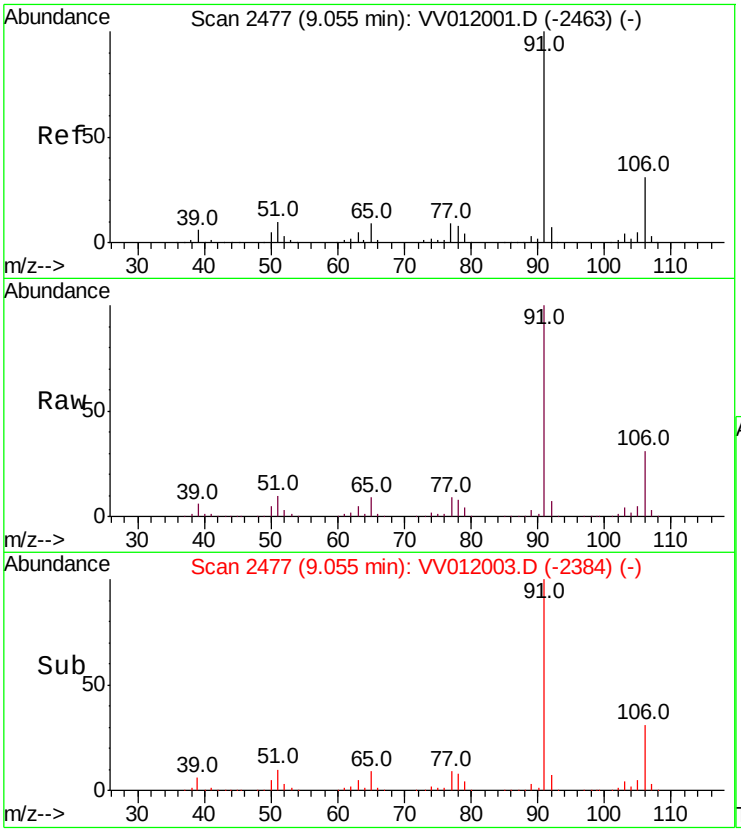


#50
1,2-Dibromoethane
Concen: 2.151 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion:107 Resp: 13157

Ion	Ratio	Lower	Upper
107	100		
109	98.4	68.1	126.5
188	4.3	3.5	5.3



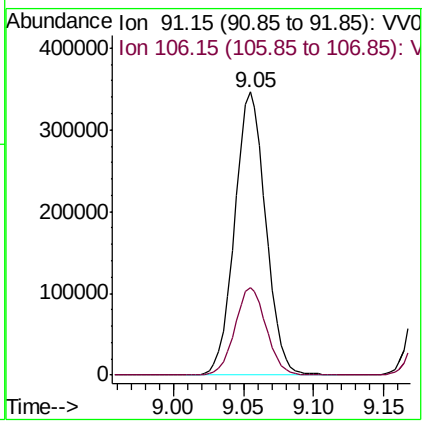


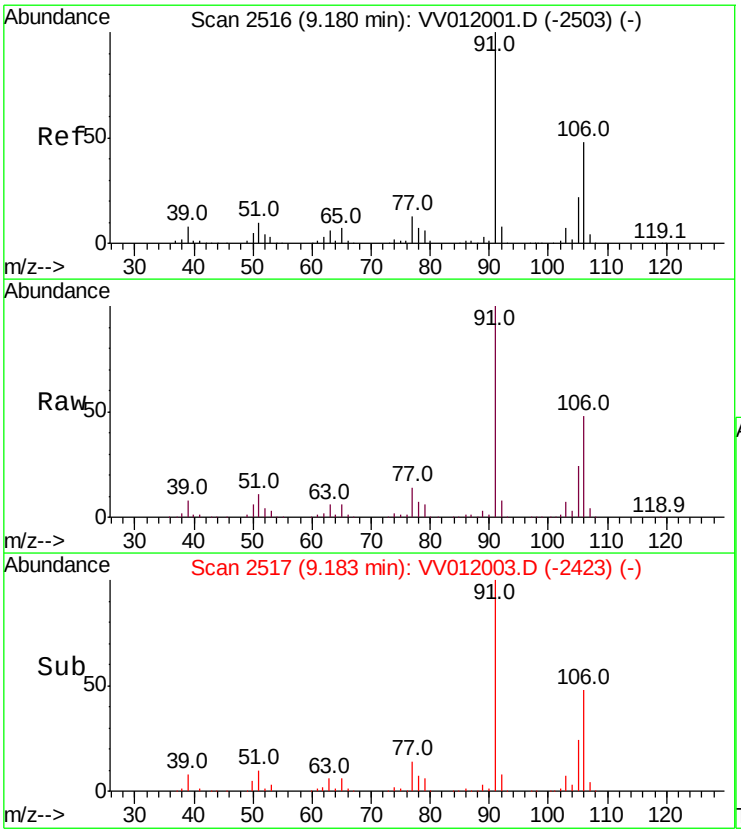
#52
Ethylbenzene
Concen: 11.192 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument : MSVOA_V
ClientSampleId : A52U4

Tgt Ion: 91 Resp: 535136

Ion	Ratio	Lower	Upper
91	100		
106	31.1	21.6	40.0

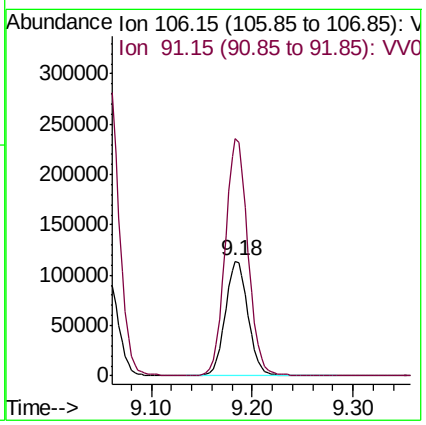


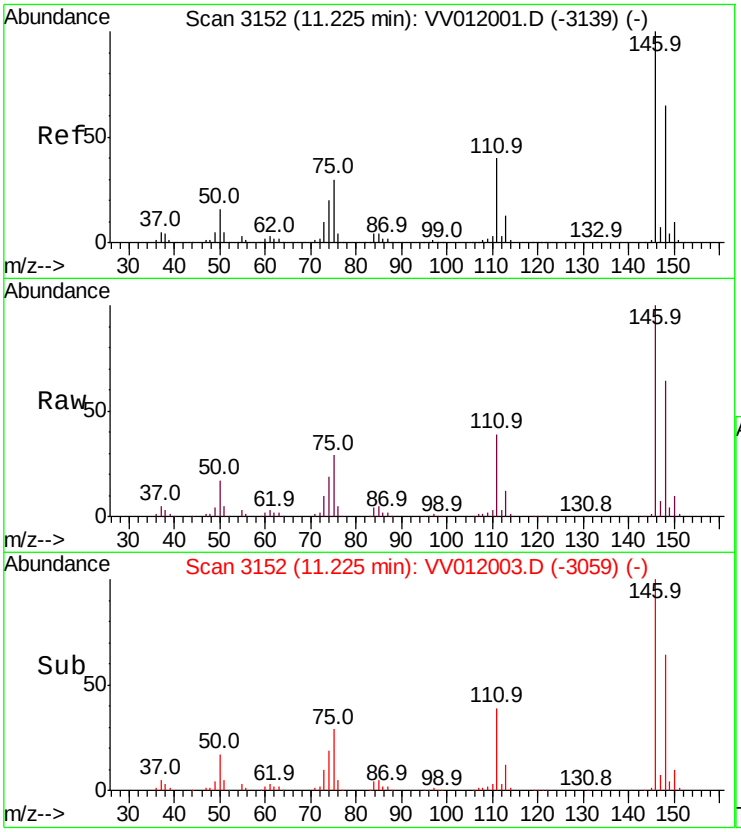


#53
m,p-xylene
Concen: 9.915 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Tgt Ion:106 Resp: 180450

Ion	Ratio	Lower	Upper
106	100		
91	207.3	142.7	265.1





#62
1,3-Dichlorobenzene
Concen: 7.004 ug/L
RT: 11.23 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV012003.D
Acq: 24 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4

Tgt Ion:146 Resp: 161818

Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.1	50.3
148	63.5	44.5	82.7