Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092018\
Data File : VV007648.D
Acq On : 20 Sep 2018 11:33
Operator : SY/MD
Sample : J4900-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A3Z91

Quant Time: Sep 21 01:49:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 01:37:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	111738	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	105176	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57971	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	21710	4.73	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 94.60%			
7) Chloroethane-d5	1.58	69	24335	5.64	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 112.80%			
11) 1,1-Dichloroethene-d2	2.14	63	54666	4.49	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 89.80%			
20) 2-Butanone-d5	3.96	46	60026	51.24	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 102.48%			
24) Chloroform-d	4.41	84	52602	4.80	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.00%			
26) 1,2-Dichloroethane-d4	5.09	65	27878	5.15	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.00%			
32) Benzene-d6	5.10	84	103622	4.97	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.40%			
36) 1,2-Dichloropropane-d6	6.12	67	30793	5.01	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 100.20%			
41) Toluene-d8	7.36	98	105978	4.93	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.60%			
43) trans-1,3-Dichloropropene-	7.67	79	12182	4.92	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 98.40%			
46) 2-Hexanone-d5	8.14	63	44598	46.27	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 92.54%			
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24976	4.90	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.00%			
64) 1,2-Dichlorobenzene-d4	11.68	152	49006	5.12	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.40%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	21379	3.066	ug/L	99
6) Bromomethane	1.54	94	15414	2.827	ug/L	100
9) Trichlorofluoromethane	1.77	101	109930	6.474	ug/L	100
12) 1,1-Dichloroethene	2.15	96	26060	3.201	ug/L	89
13) Acetone	2.21	43	81167	71.920	ug/L	97
14) Carbon disulfide	2.32	76	98301	4.530	ug/L	100
16) Methylene chloride	2.54	84	18235	2.206	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	151206	7.936	ug/L	100
19) 1,1-Dichloroethane	3.23	63	95270	7.851	ug/L	99
21) 2-Butanone	4.05	43	156578	109.990	ug/L	99
27) 1,2-Dichloroethane	5.19	62	53265	6.802	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	99303	7.951	ug/L	98
30) Cyclohexane	4.73	56	108442	10.177	ug/L	98
34) Trichloroethene	5.96	95	40548	4.935	ug/L	96
35) Methylcyclohexane	6.18	83	74740	5.892	ug/L	99
37) 1,2-Dichloropropane	6.23	63	13339	1.977	ug/L	98
42) Toluene	7.43	91	258453	8.125	ug/L	99

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Operator : SY/MD
Sample : J4900-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A3Z91

Quant Time: Sep 21 01:49:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 01:37:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Tetrachloroethene	8.02	164	64394	7.975 ug/L	97
48) 2-Hexanone	8.19	43	136323	52.748 ug/L	98
50) 1,2-Dibromoethane	8.40	107	74431	15.122 ug/L	96
51) Chlorobenzene	8.93	112	220511	9.995 ug/L	98
52) Ethylbenzene	9.06	91	216287	6.014 ug/L	98
53) m,p-xylene	9.19	106	173096	12.245 ug/L	95
54) o-xylene	9.59	106	70180	5.045 ug/L	98
55) Styrene	9.61	104	116502	5.124 ug/L	99
56) Isopropylbenzene	9.98	105	119920	3.168 ug/L	98
61) Bromoform	9.78	173	17731	4.743 ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	79063	4.086 ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	202186	11.168 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3285	3.989 ug/L	92
70) 1,2,3-Trichlorobenzene	13.80	180	117407	9.378 ug/L	98

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

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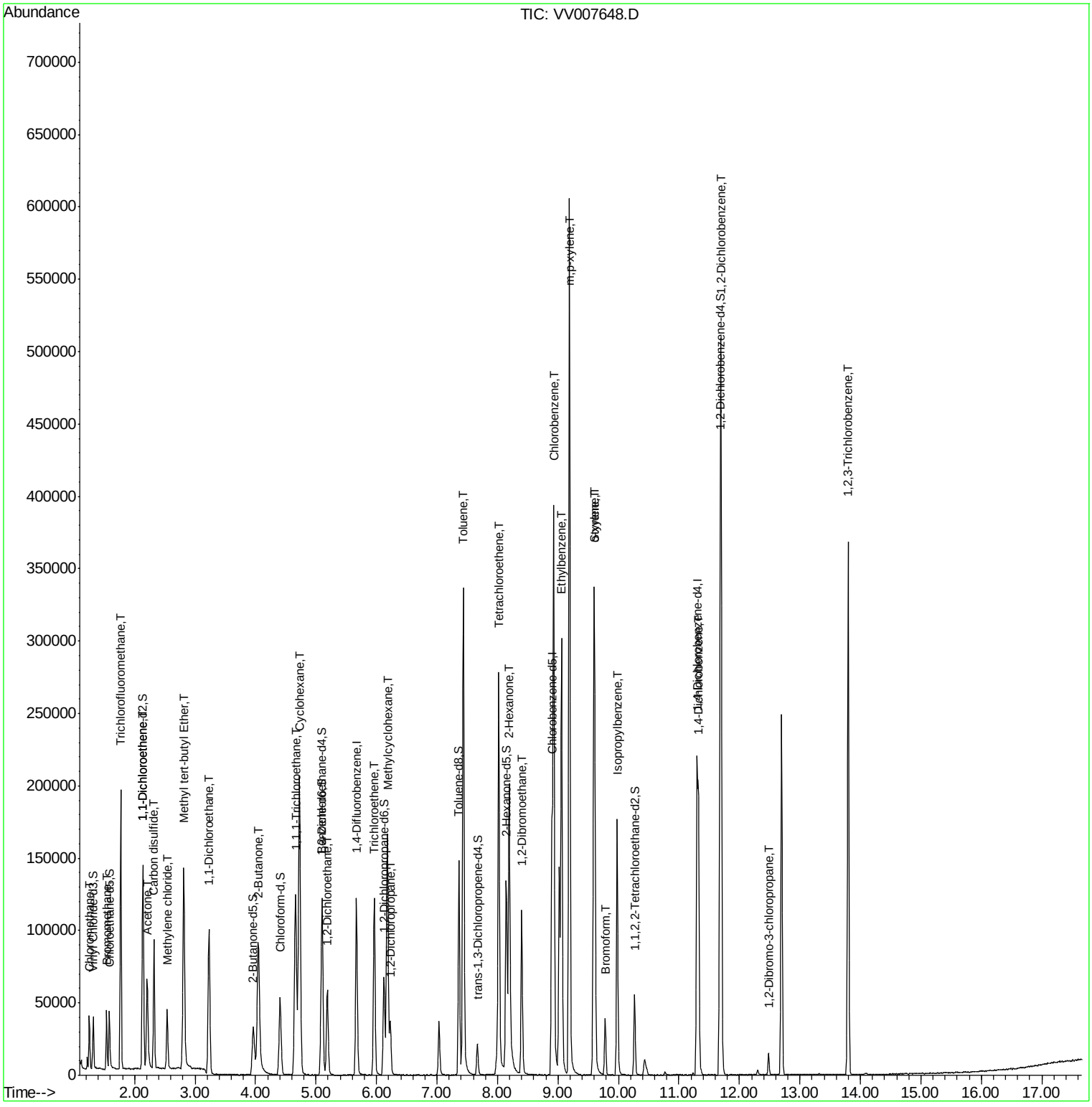
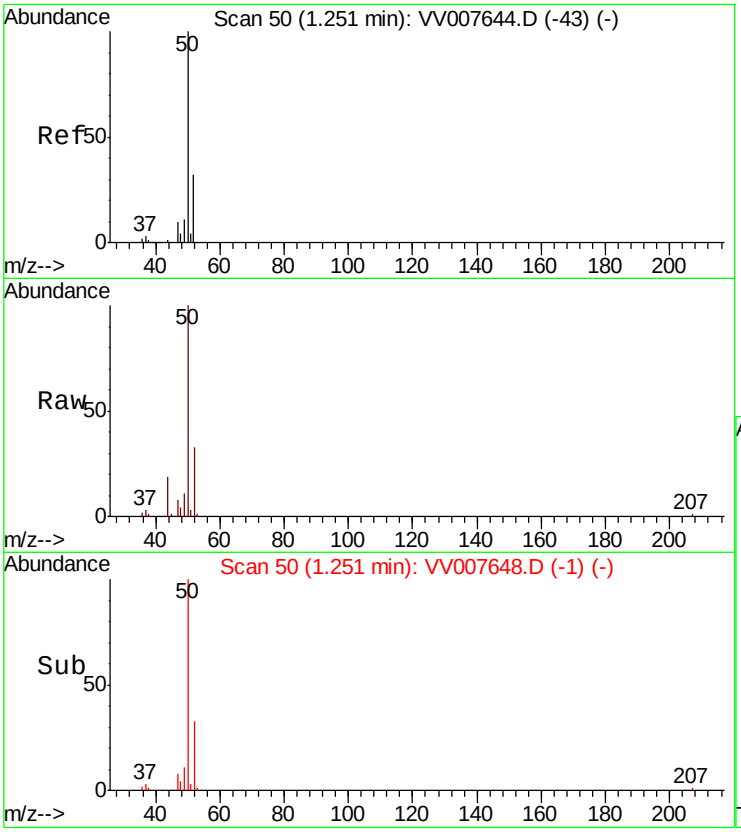
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 01:37:43 2018
Response via : Initial Calibration



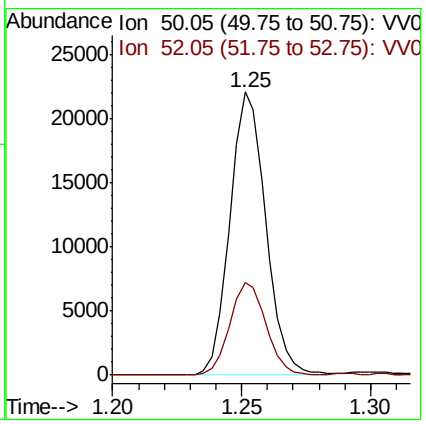


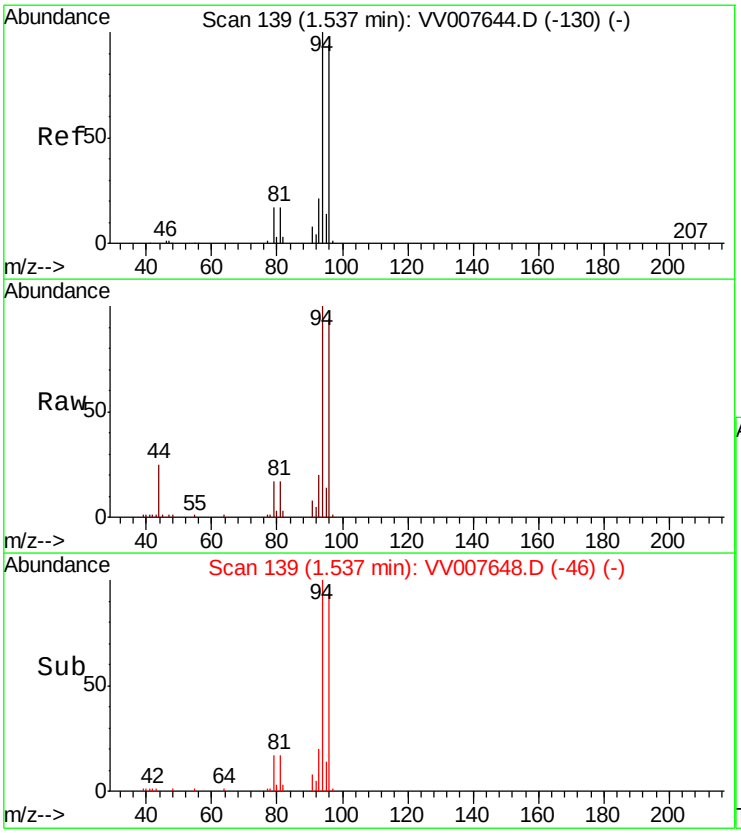
#3
Chloromethane
Concen: 3.066 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :
A3Z91

Tgt Ion: 50 Resp: 21379

Ion	Ratio	Lower	Upper
50	100		
52	32.8	23.2	43.2

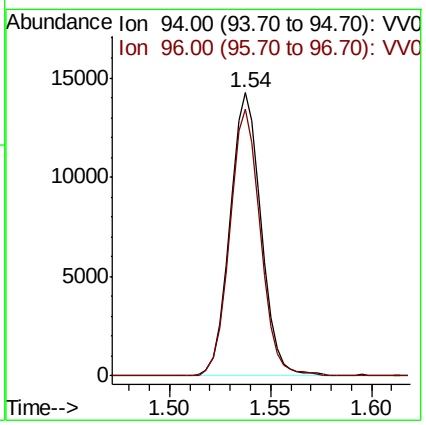


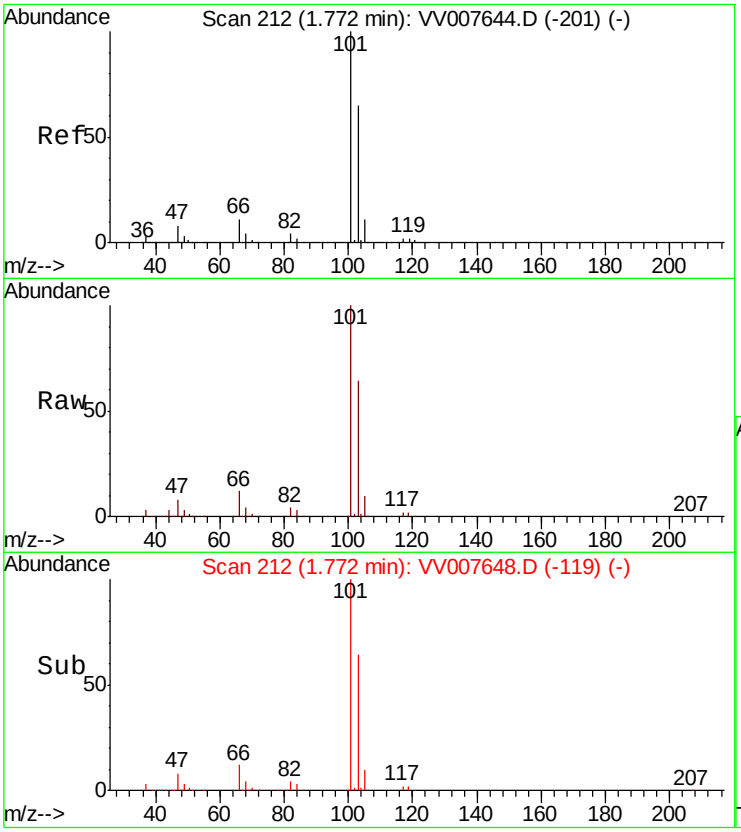


#6
Bromomethane
Concen: 2.827 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 94 Resp: 15414

Ion	Ratio	Lower	Upper
94	100		
96	94.2	65.6	121.8



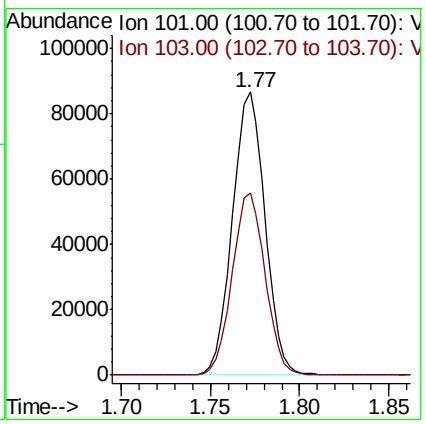


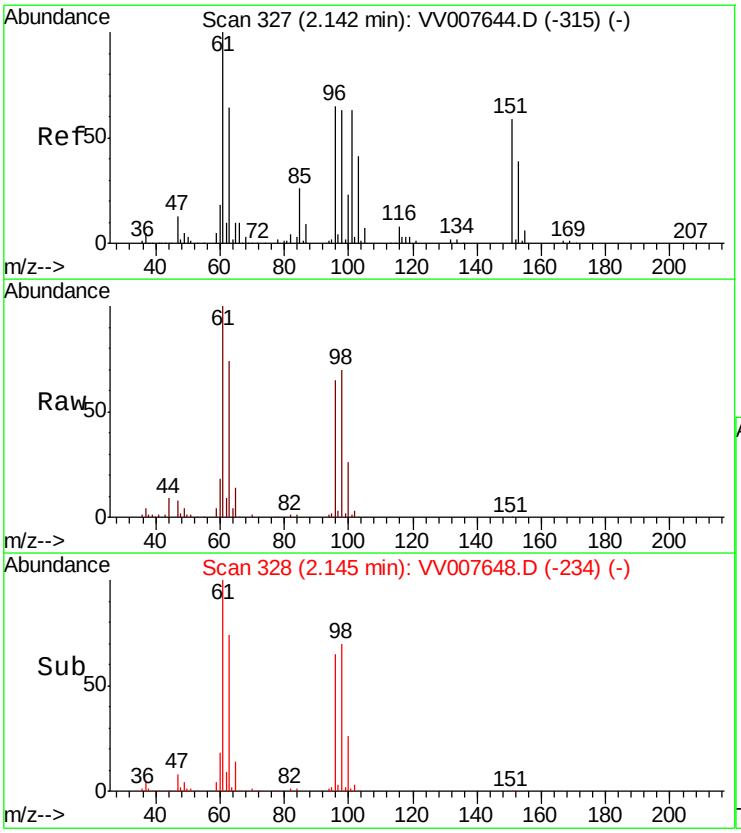
#9
Trichlorofluoromethane
Concen: 6.474 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion:101 Resp: 109930

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.9	77.9

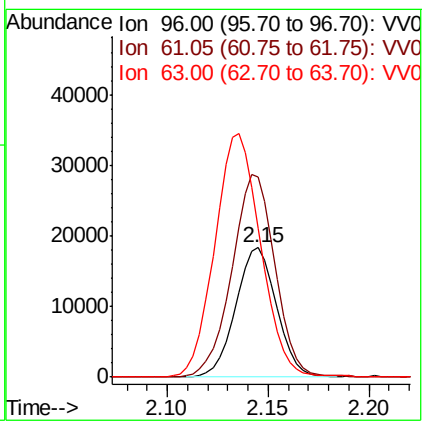


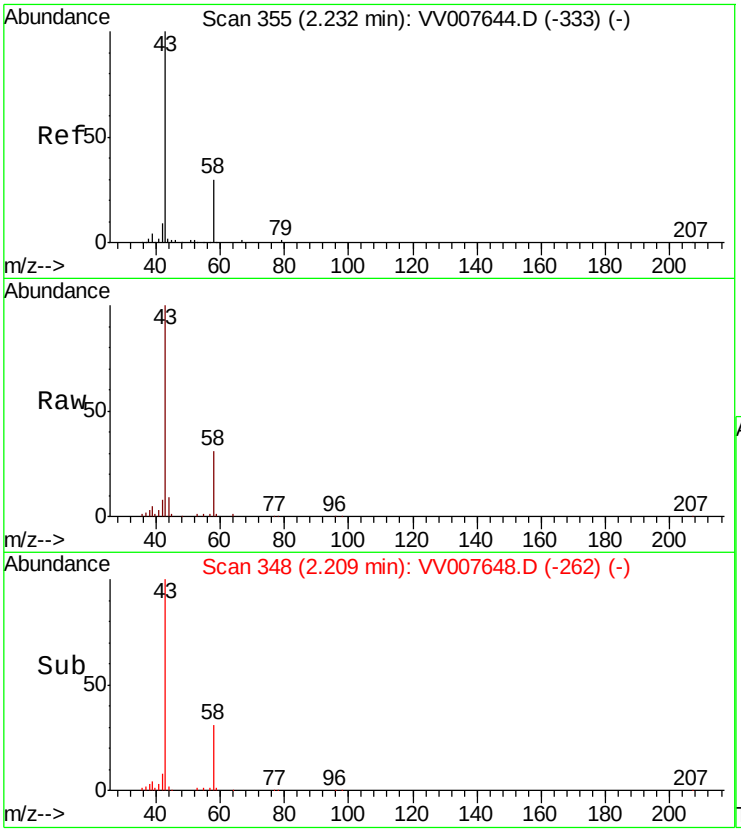


#12
1,1-Dichloroethene
Concen: 3.201 ug/L
RT: 2.15 min Scan# 328
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 96 Resp: 26060

Ion	Ratio	Lower	Upper
96	100		
61	154.6	104.3	193.7
63	114.6	65.2	121.2



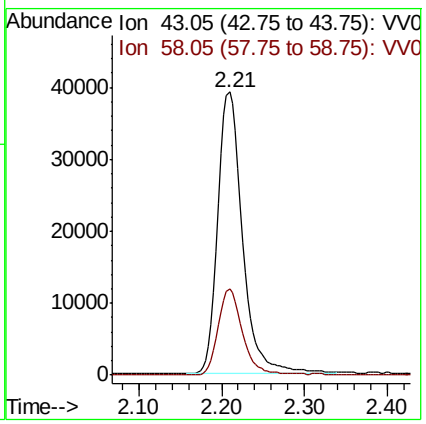


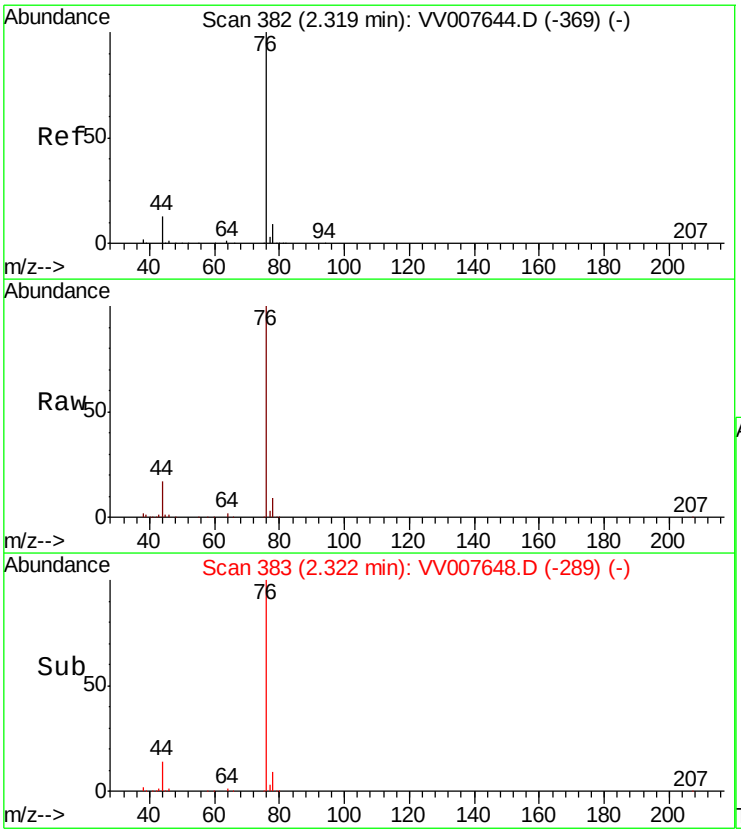
#13
Acetone
Concen: 71.920 ug/L
RT: 2.21 min Scan# 348
Delta R.T. -0.02 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :
A3Z91

Tgt Ion: 43 Resp: 81167

Ion	Ratio	Lower	Upper
43	100		
58	29.9	0.0	63.6

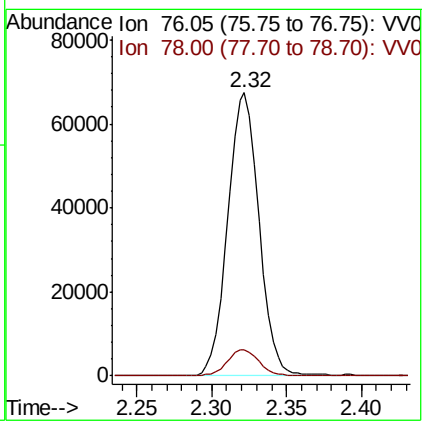


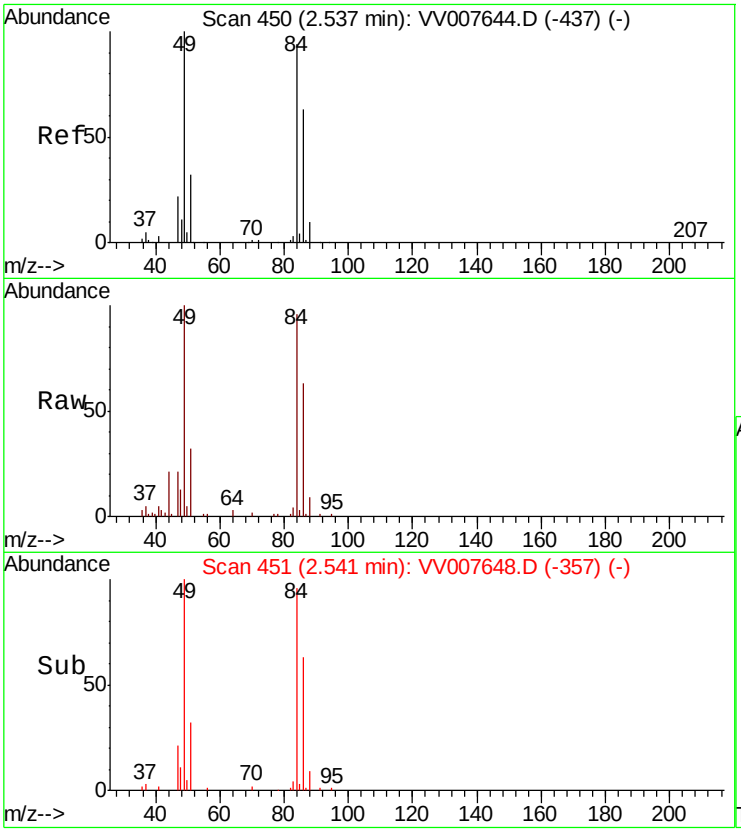


#14
Carbon disulfide
Concen: 4.530 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 76 Resp: 98301

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2



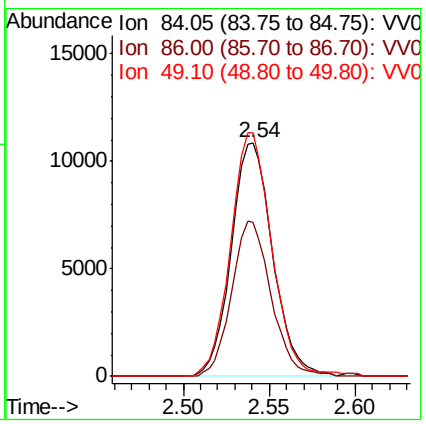


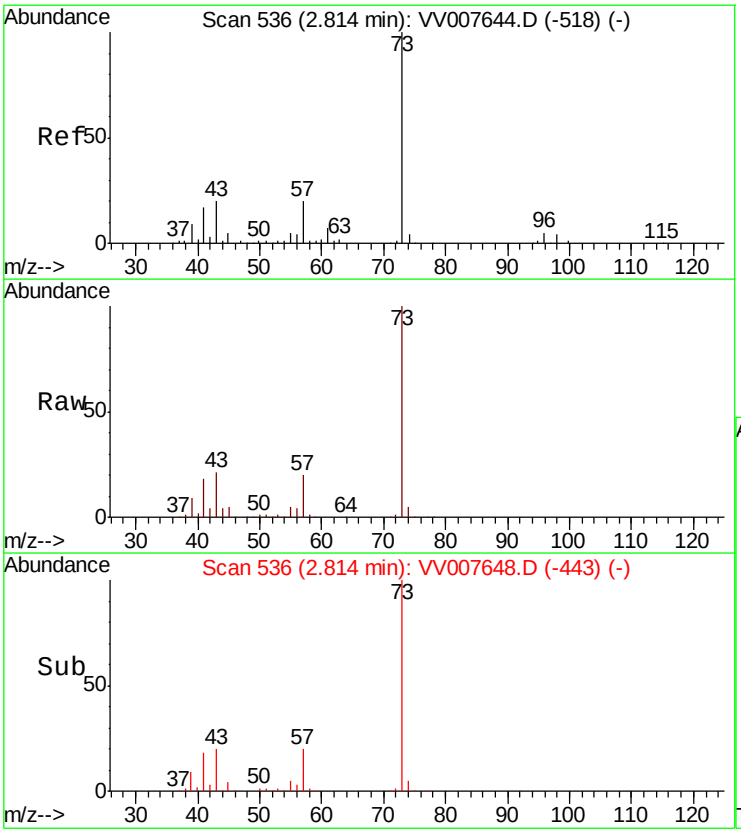
#16
Methylene chloride
Concen: 2.206 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion: 84 Resp: 18235

Ion	Ratio	Lower	Upper
84	100		
86	65.8	46.1	85.5
49	104.1	75.5	140.1

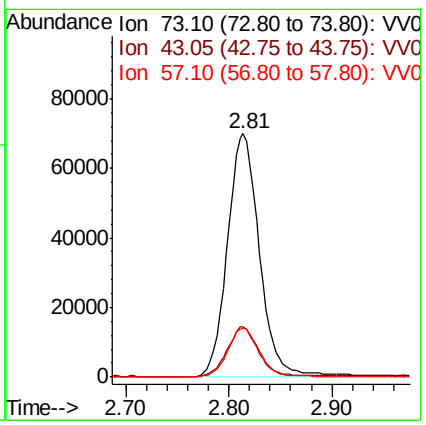


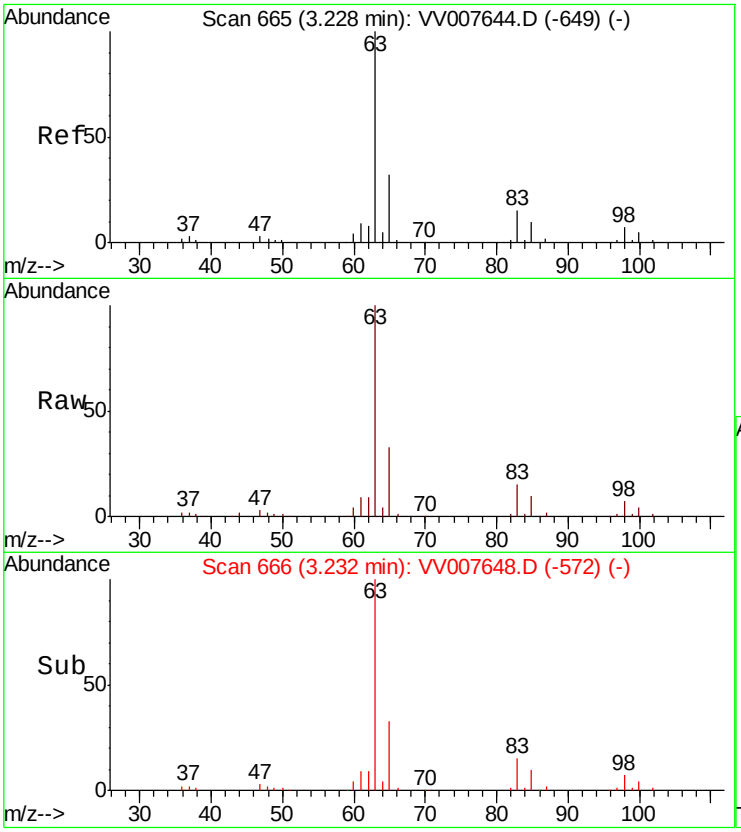


#17
Methyl tert-butyl Ether
Concen: 7.936 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 73 Resp: 151206

Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.7	23.5
57	19.9	15.8	23.8



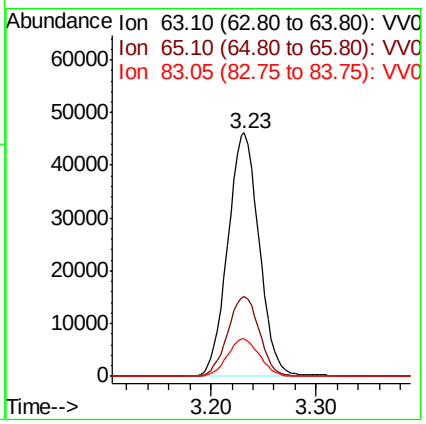


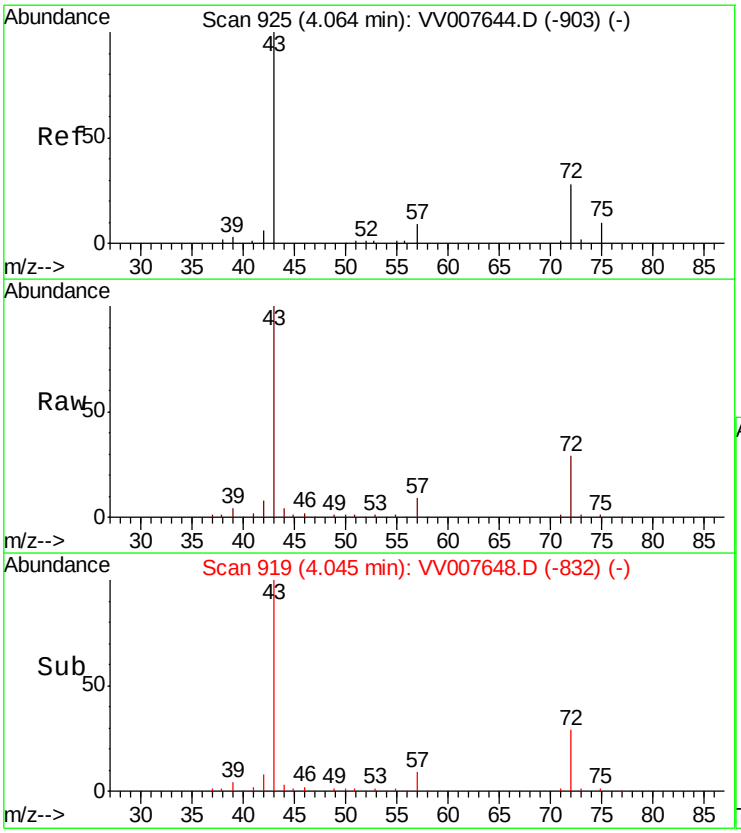
#19
1,1-Dichloroethane
Concen: 7.851 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion: 63 Resp: 95270

Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.6	42.0
83	15.3	10.4	19.4

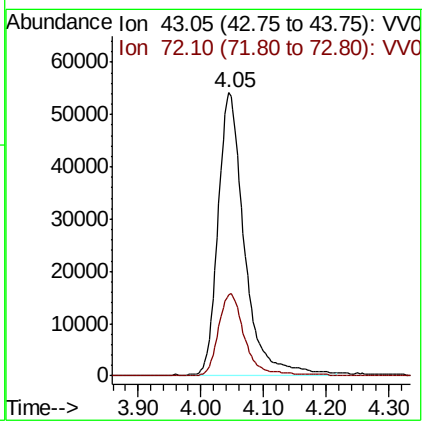


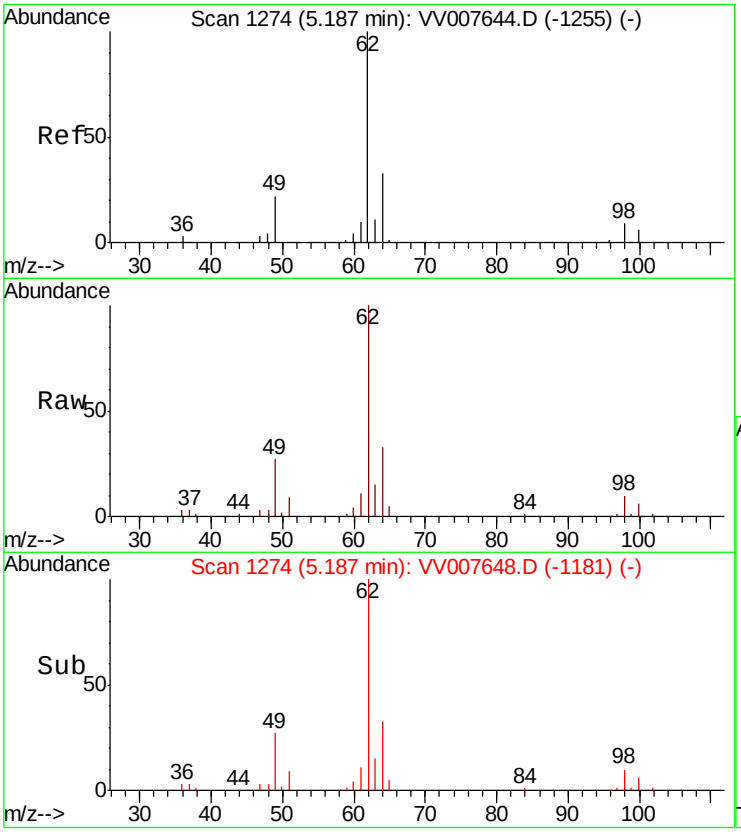


#21
2-Butanone
Concen: 109.990 ug/L
RT: 4.05 min Scan# 919
Delta R.T. -0.02 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 43 Resp: 156578

Ion	Ratio	Lower	Upper
43	100		
72	29.3	14.8	44.4



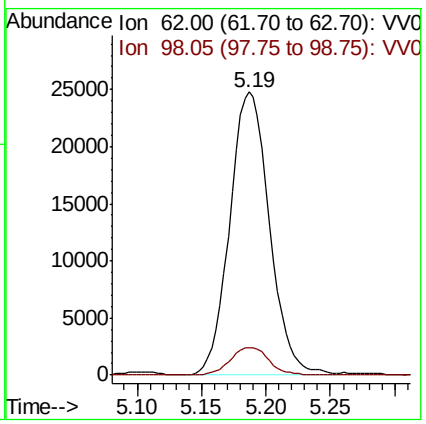


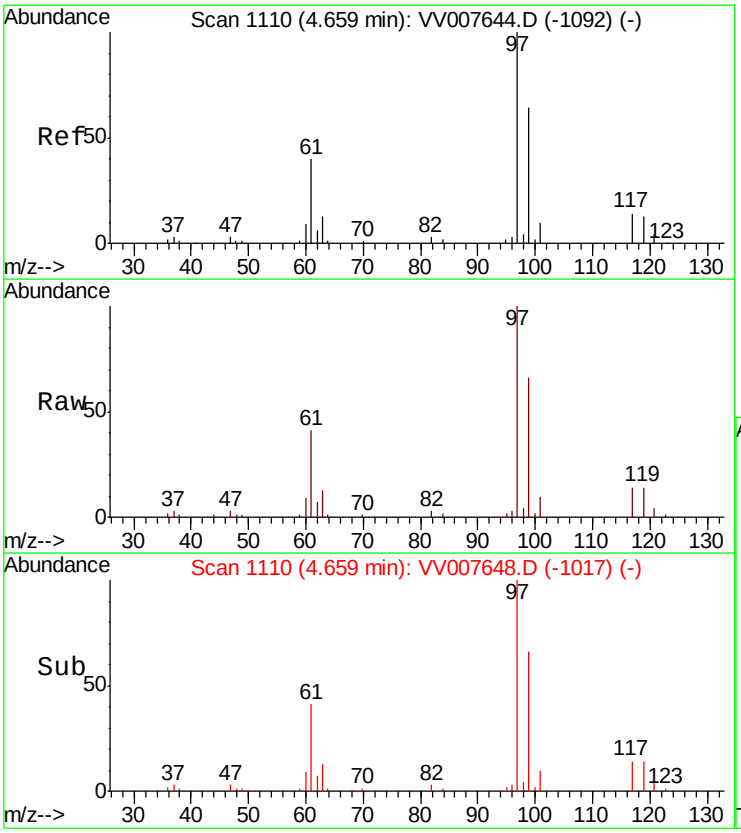
#27
1,2-Dichloroethane
Concen: 6.802 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :
A3Z91

Tgt Ion: 62 Resp: 53265

Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.5	11.3

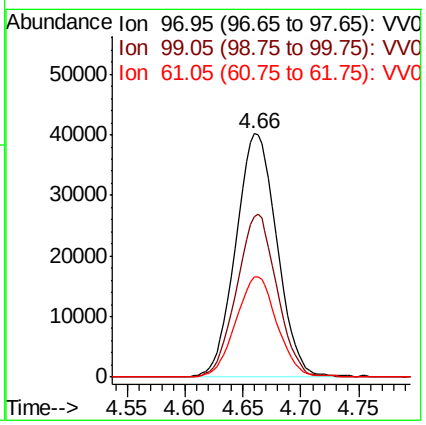


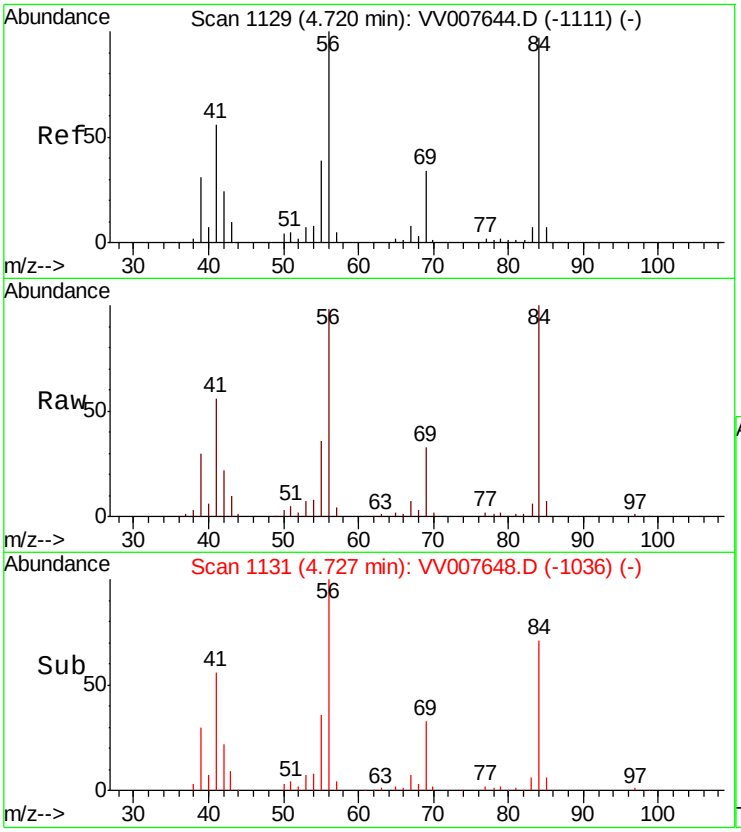


#29
1,1,1-Trichloroethane
Concen: 7.951 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 97 Resp: 99303

Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.6	76.0
61	41.4	32.8	49.2



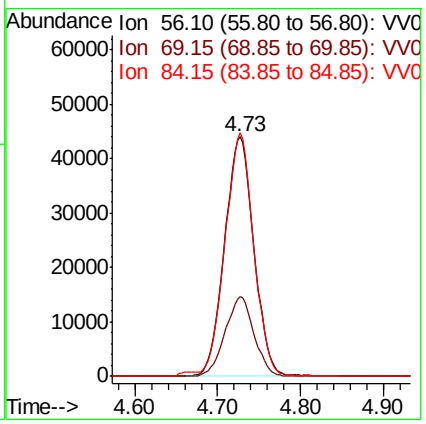


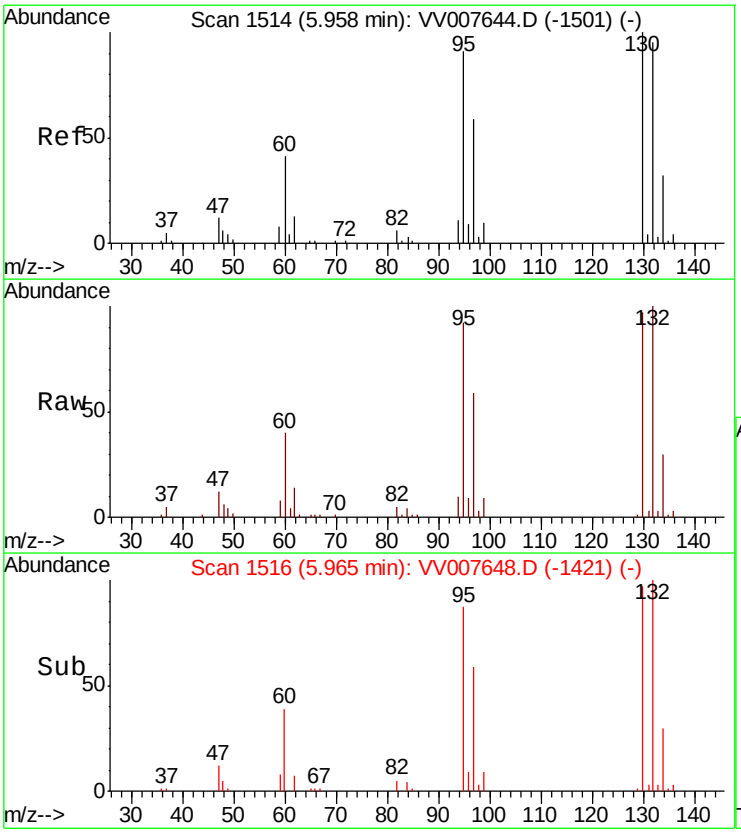
#30
Cyclohexane
Concen: 10.177 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion: 56 Resp: 108442

Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.9	40.3
84	100.1	78.9	118.3

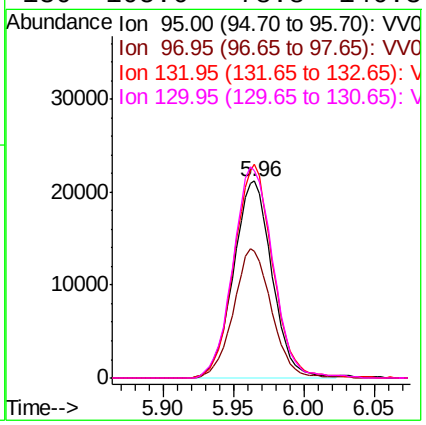


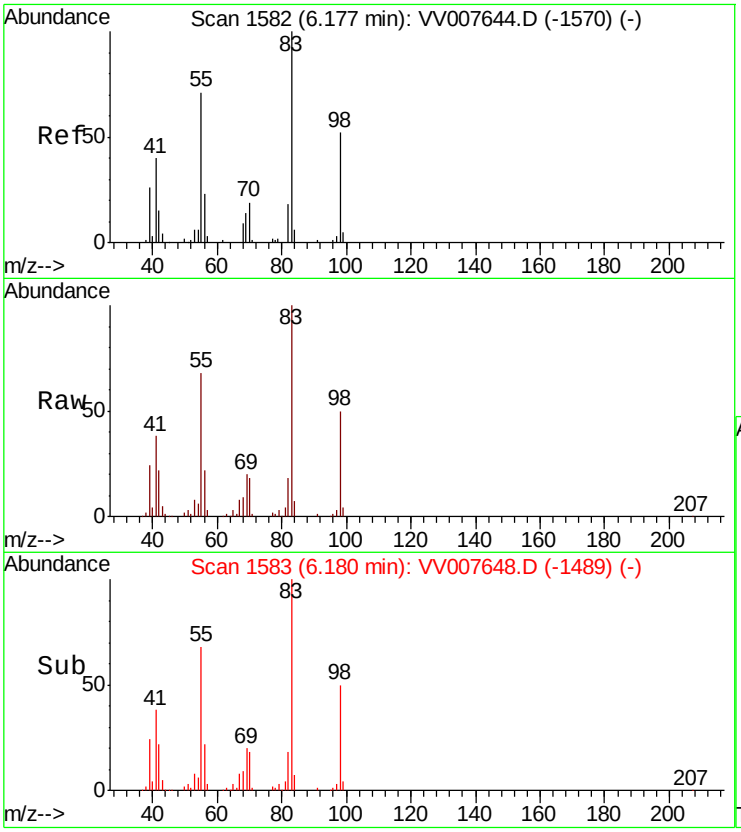


#34
Trichloroethene
Concen: 4.935 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 95 Resp: 40548

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.9
132	108.5	78.2	145.2
130	105.6	78.8	146.3



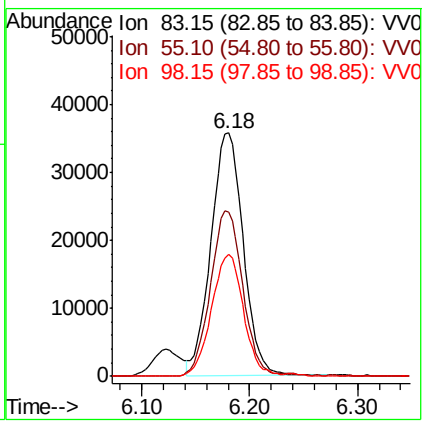


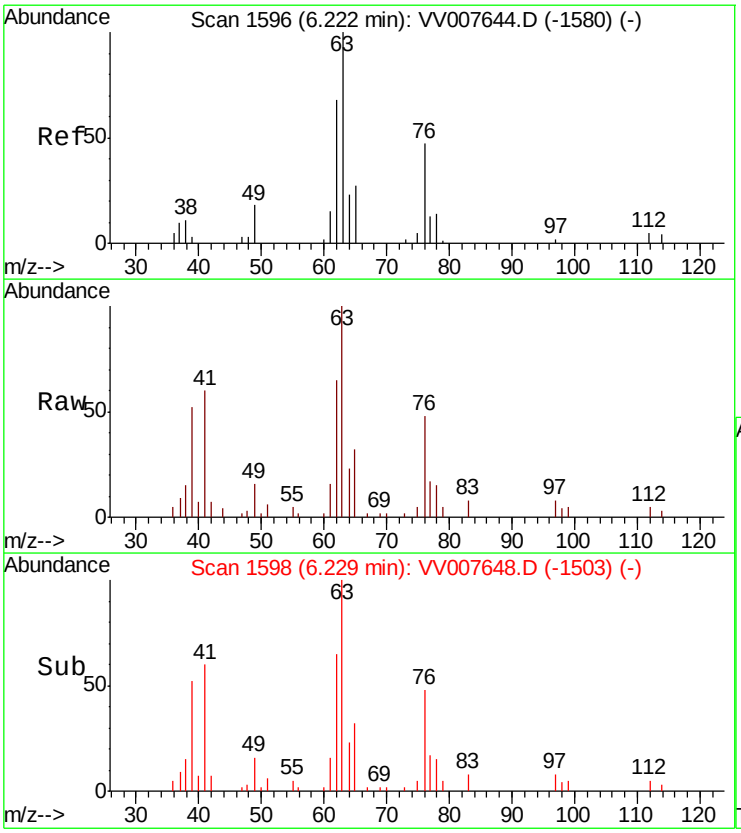
#35
Methylcyclohexane
Concen: 5.892 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion: 83 Resp: 74740

Ion	Ratio	Lower	Upper
83	100		
55	68.2	54.8	82.2
98	49.5	40.7	61.1

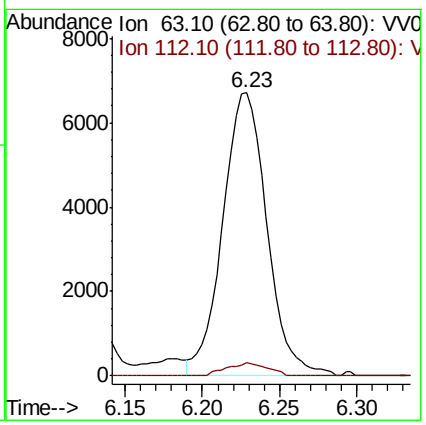


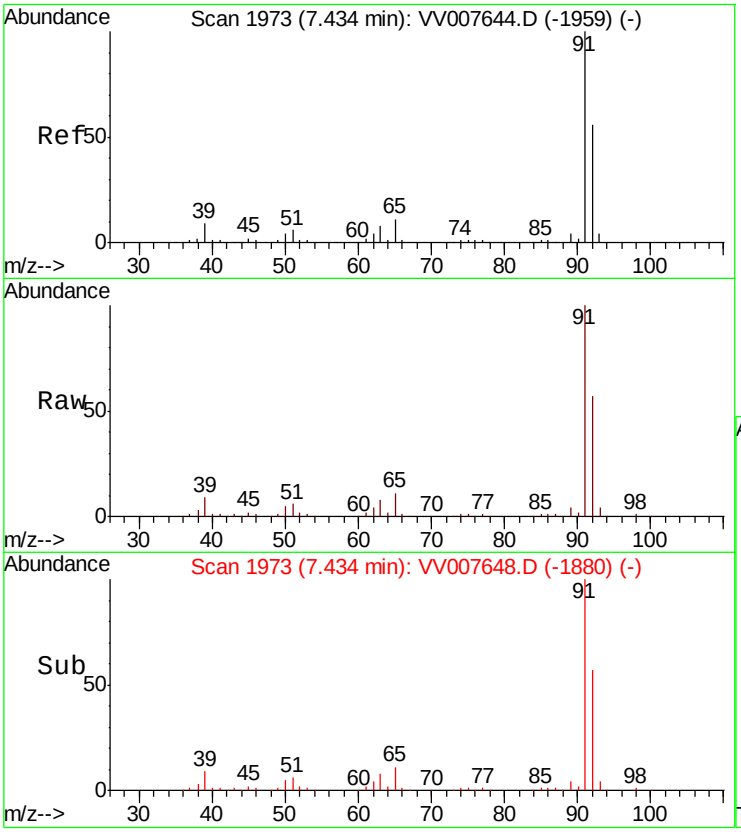


#37
1,2-Dichloropropane
Concen: 1.977 ug/L
RT: 6.23 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 63 Resp: 13339

Ion	Ratio	Lower	Upper
63	100		
112	4.3	3.9	5.9



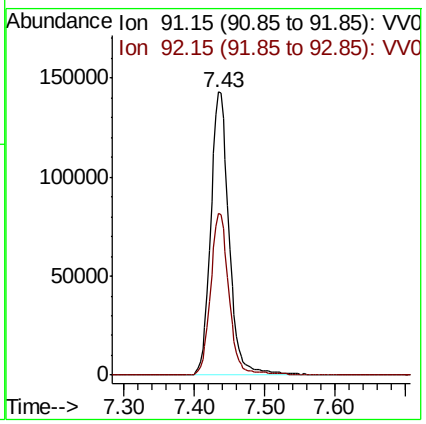


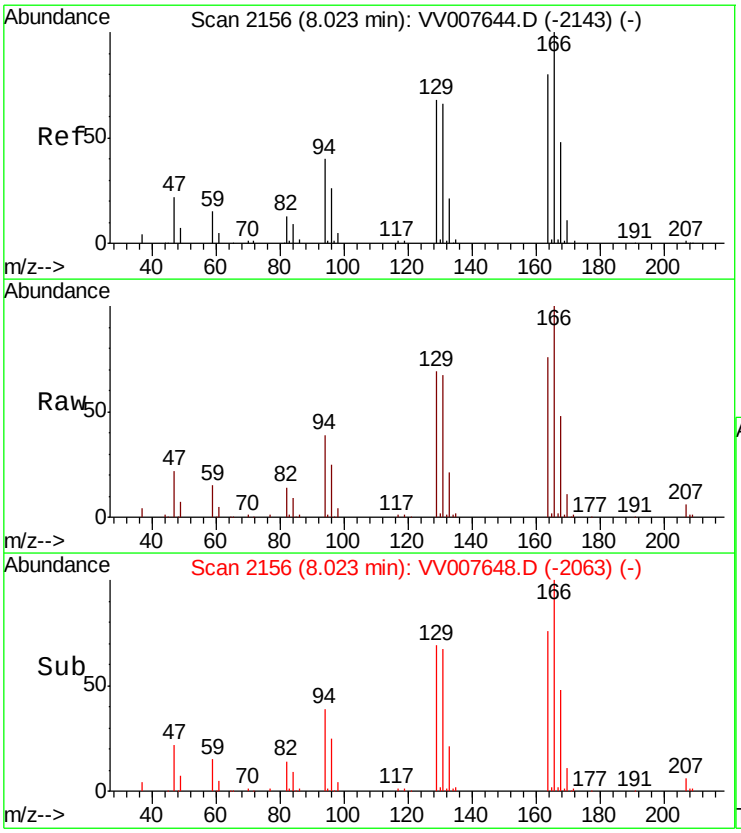
#42
Toluene
Concen: 8.125 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion: 91 Resp: 258453

Ion	Ratio	Lower	Upper
91	100		
92	57.1	39.7	73.7

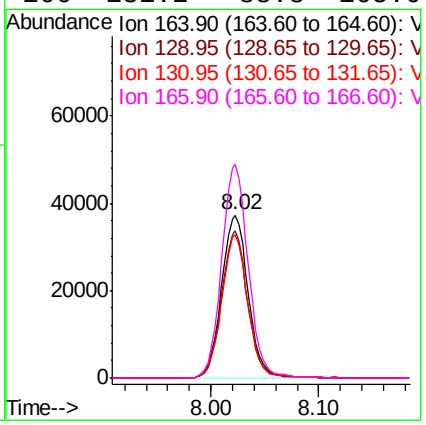


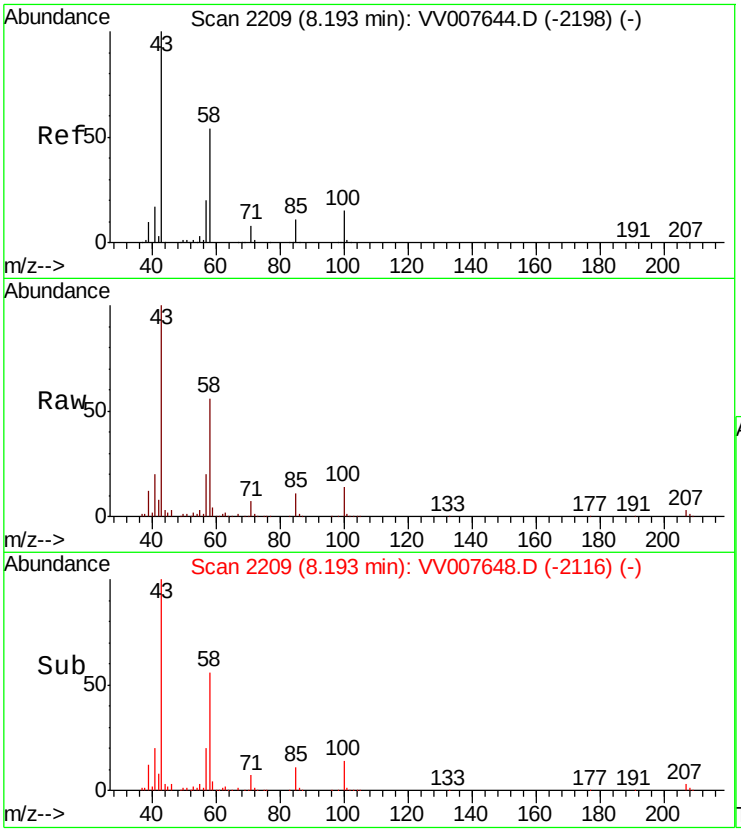


#47
Tetrachloroethene
Concen: 7.975 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion:164 Resp: 64394

Ion	Ratio	Lower	Upper
164	100		
129	90.6	61.5	114.3
131	88.2	60.9	113.1
166	131.2	88.8	165.0



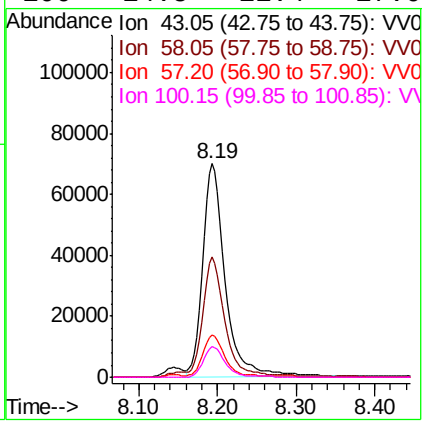


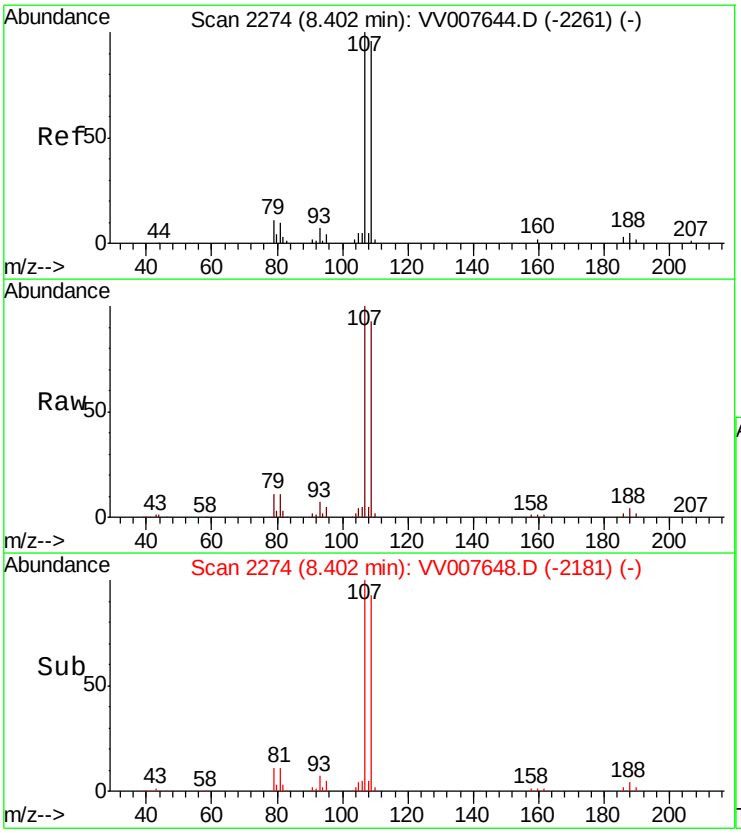
#48
2-Hexanone
Concen: 52.748 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion: 43 Resp: 136323

Ion	Ratio	Lower	Upper
43	100		
58	58.4	45.3	67.9
57	18.9	16.6	24.8
100	14.5	11.4	17.0

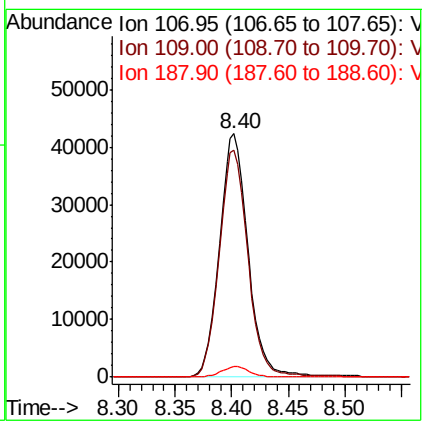


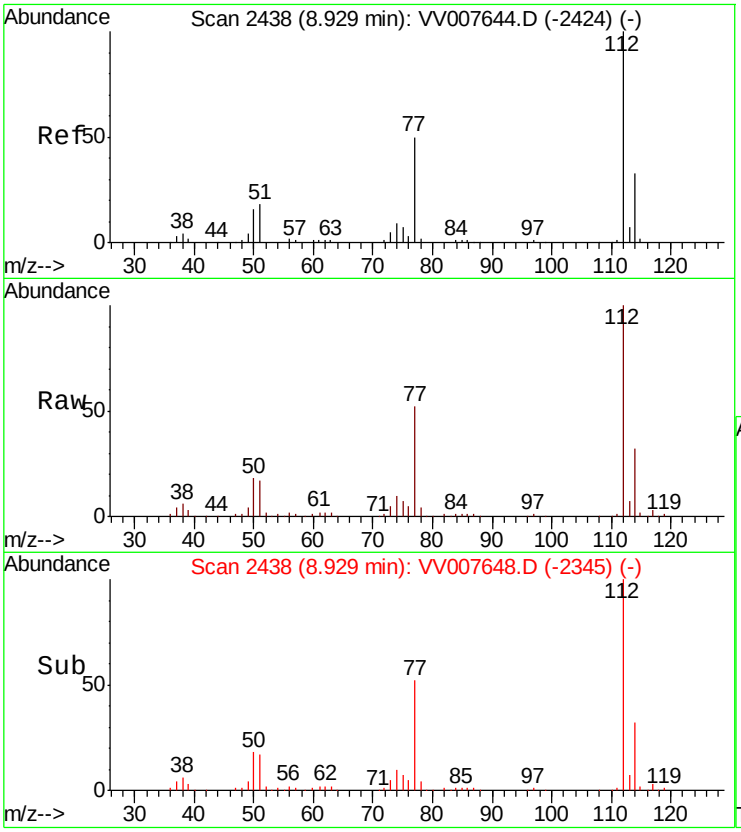


#50
1,2-Dibromoethane
Concen: 15.122 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion:107 Resp: 74431

Ion	Ratio	Lower	Upper
107	100		
109	93.2	68.0	126.4
188	4.3	3.5	5.3



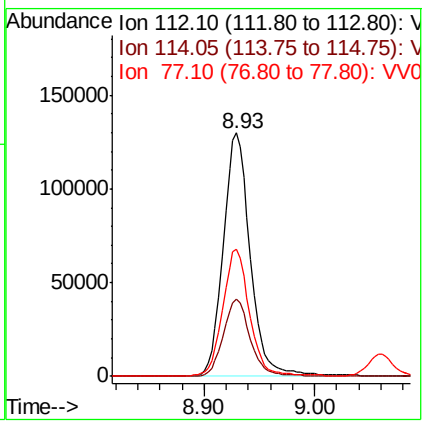


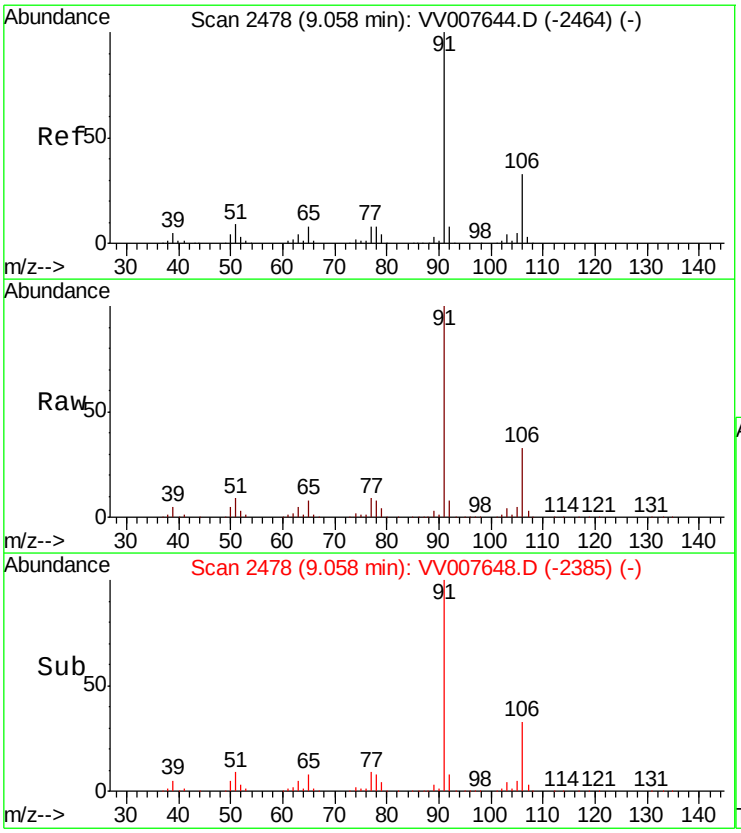
#51
Chlorobenzene
Concen: 9.995 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion:112 Resp: 220511

Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.5	39.9
77	52.4	40.8	61.2

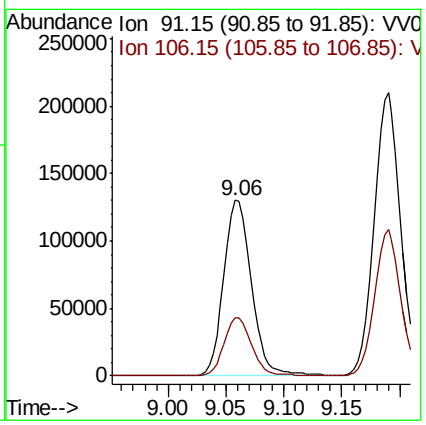


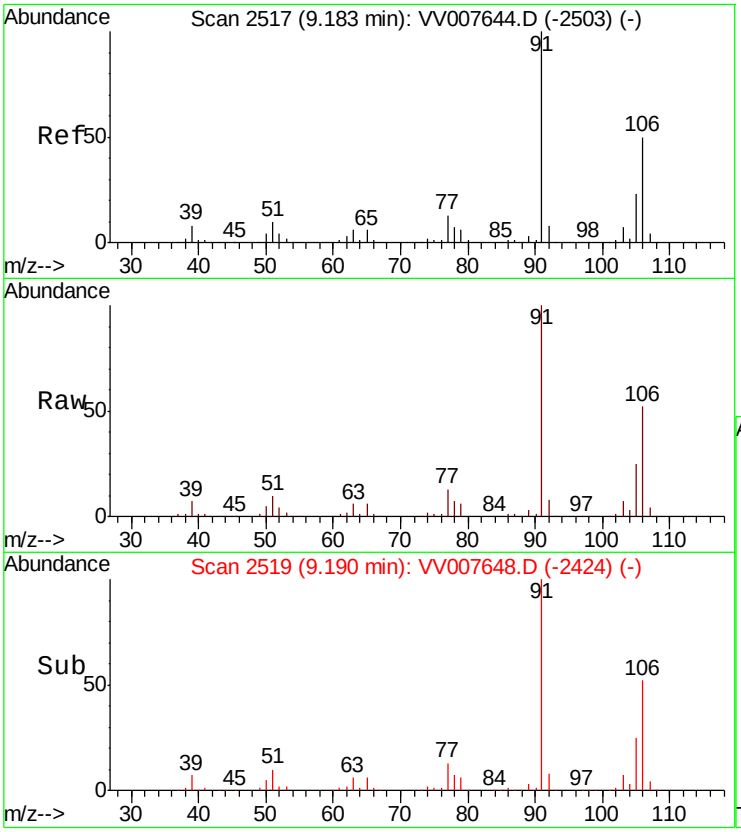


#52
Ethylbenzene
Concen: 6.014 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 91 Resp: 216287

Ion	Ratio	Lower	Upper
91	100		
106	32.8	22.1	41.1



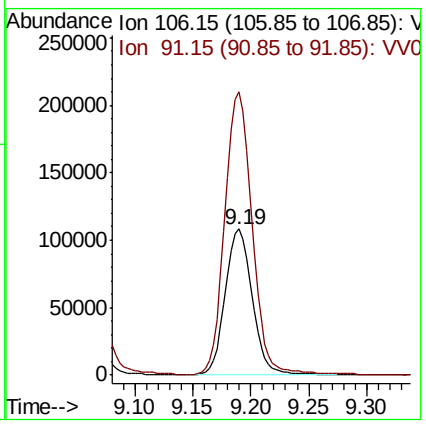


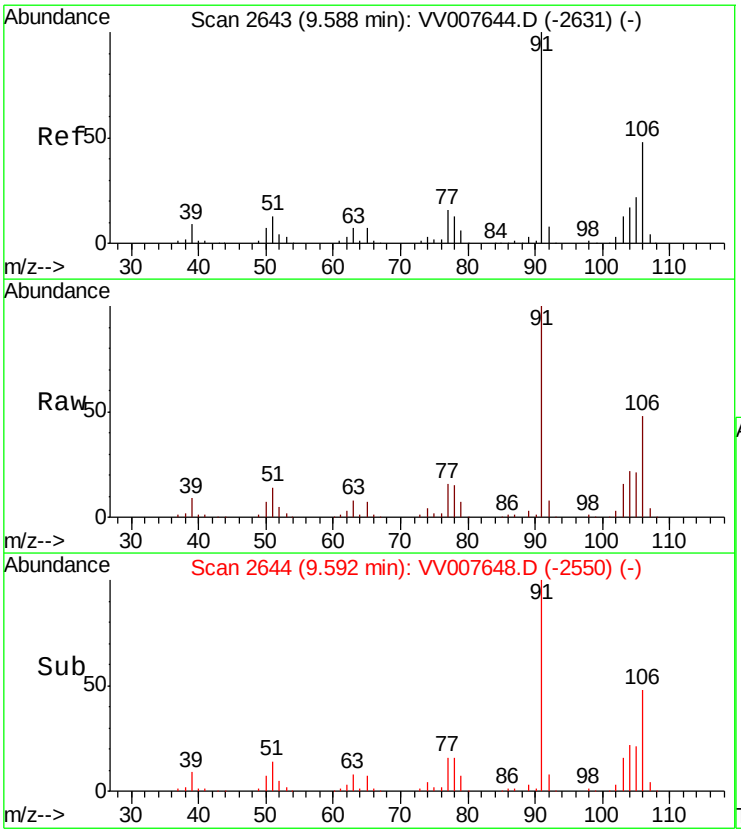
#53
m,p-xylene
Concen: 12.245 ug/L
RT: 9.19 min Scan# 2519
Delta R.T. 0.01 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion:106 Resp: 173096

Ion	Ratio	Lower	Upper
106	100		
91	194.1	140.9	261.7

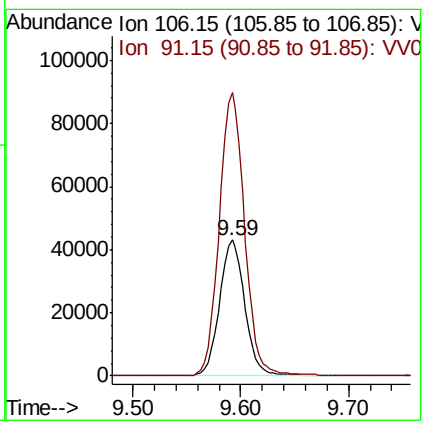


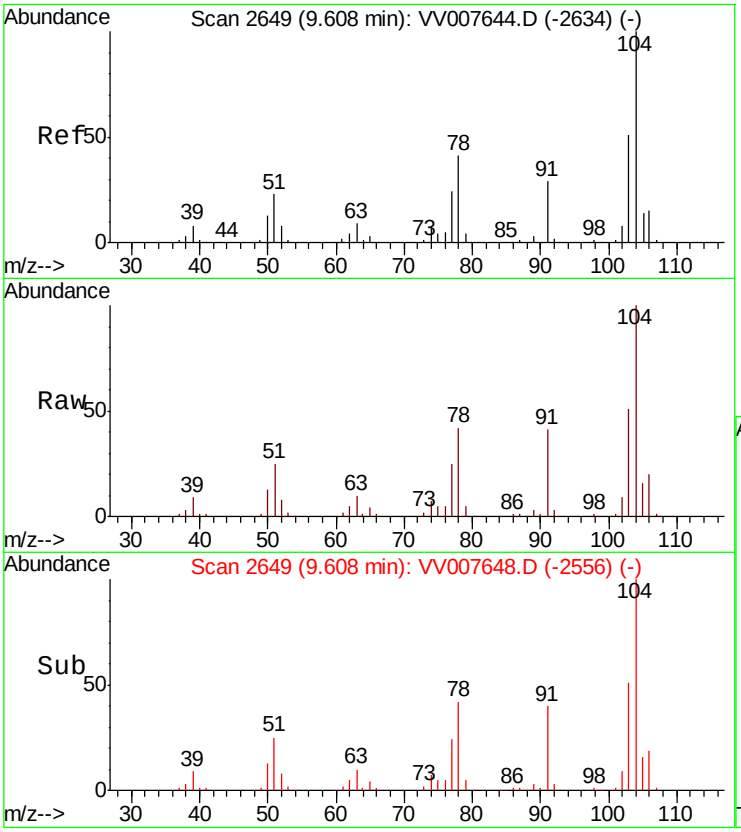


#54
o-xylene
Concen: 5.045 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion:106 Resp: 70180

Ion	Ratio	Lower	Upper
106	100		
91	208.0	143.3	266.1



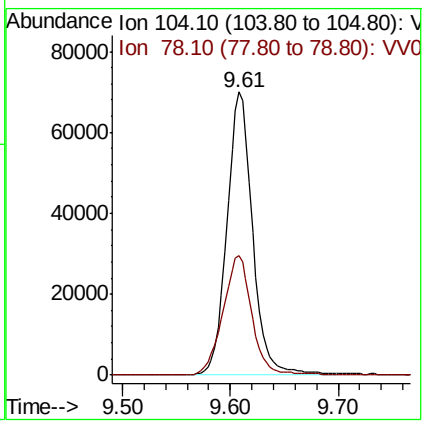


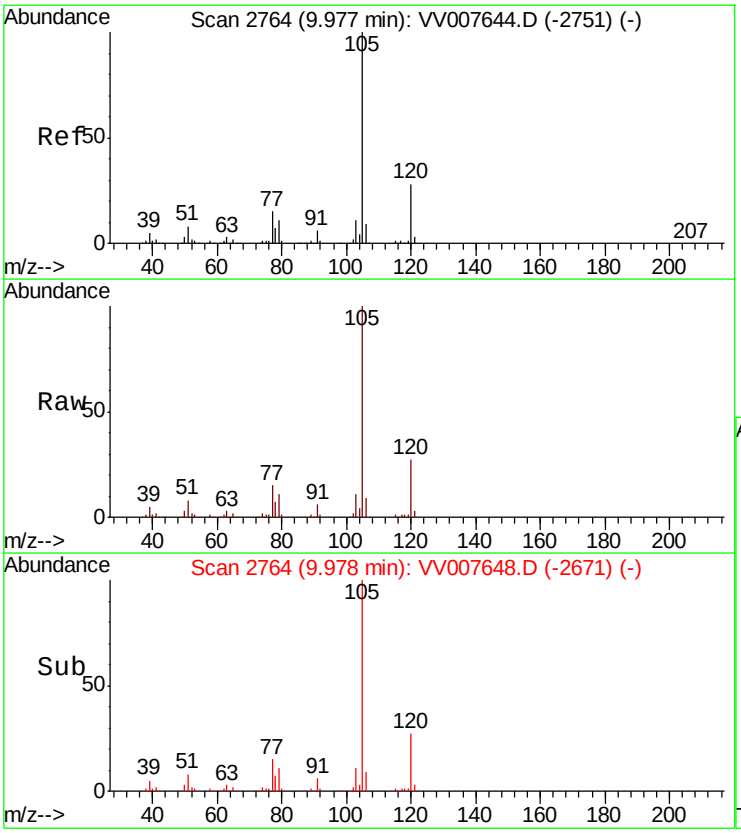
#55
Stvrene
Concen: 5.124 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :
A3Z91

Tgt Ion:104 Resp: 116502

Ion	Ratio	Lower	Upper
104	100		
78	42.3	29.0	53.9

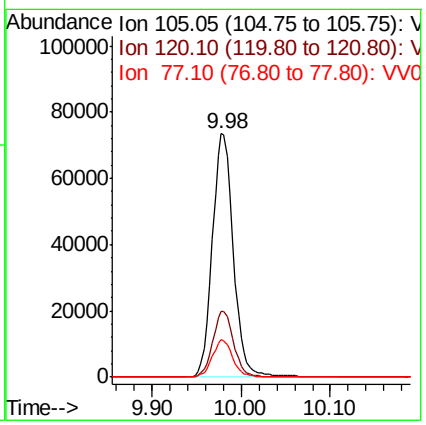


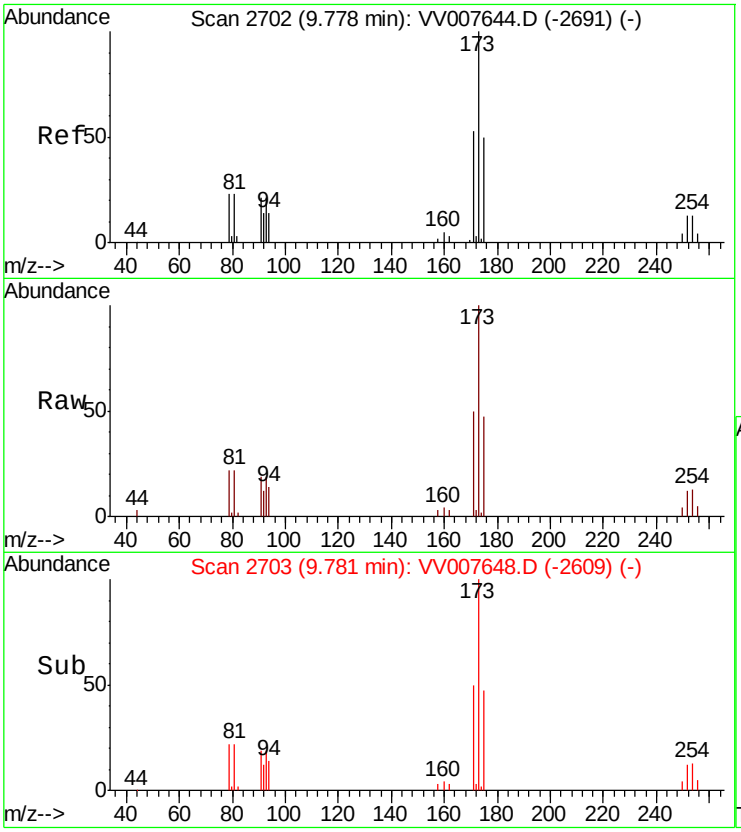


#56
Isopropylbenzene
Concen: 3.168 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion:105 Resp: 119920

Ion	Ratio	Lower	Upper
105	100		
120	26.7	22.4	33.6
77	14.9	11.8	17.6



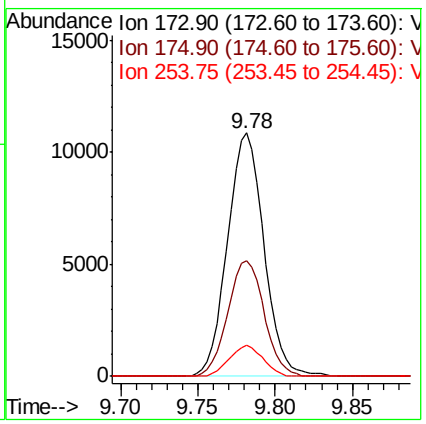


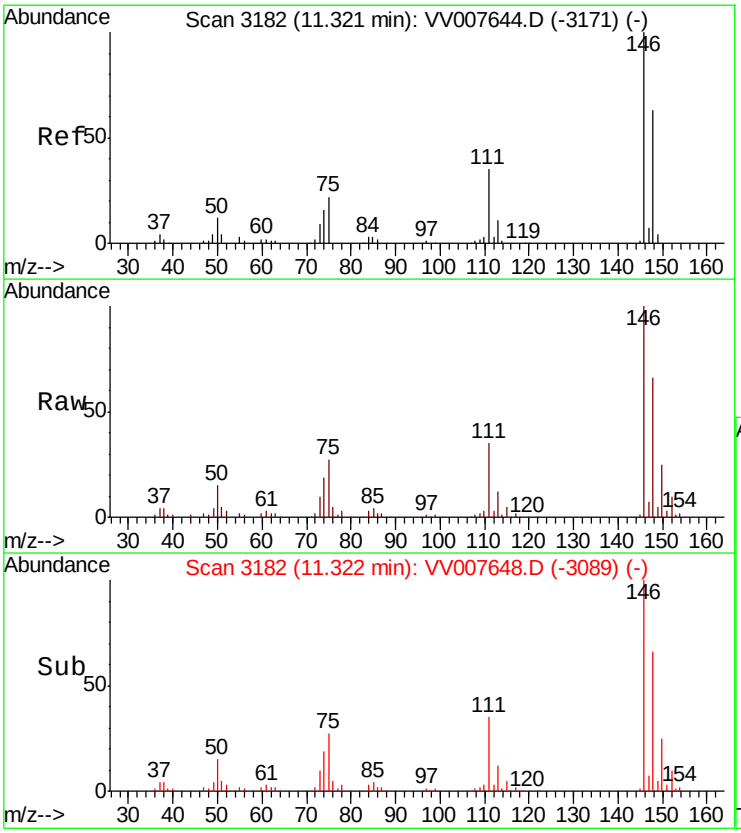
#61
Bromoform
Concen: 4.743 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion:173 Resp: 17731

Ion	Ratio	Lower	Upper
173	100		
175	47.3	37.5	56.3
254	11.6	8.5	12.7

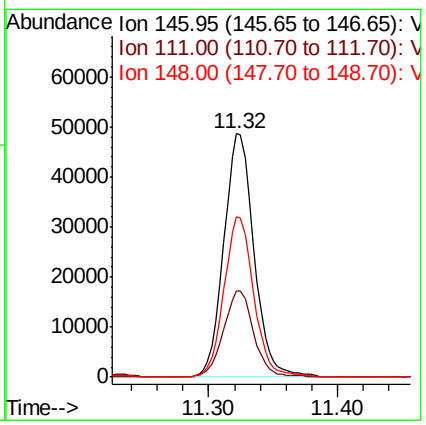


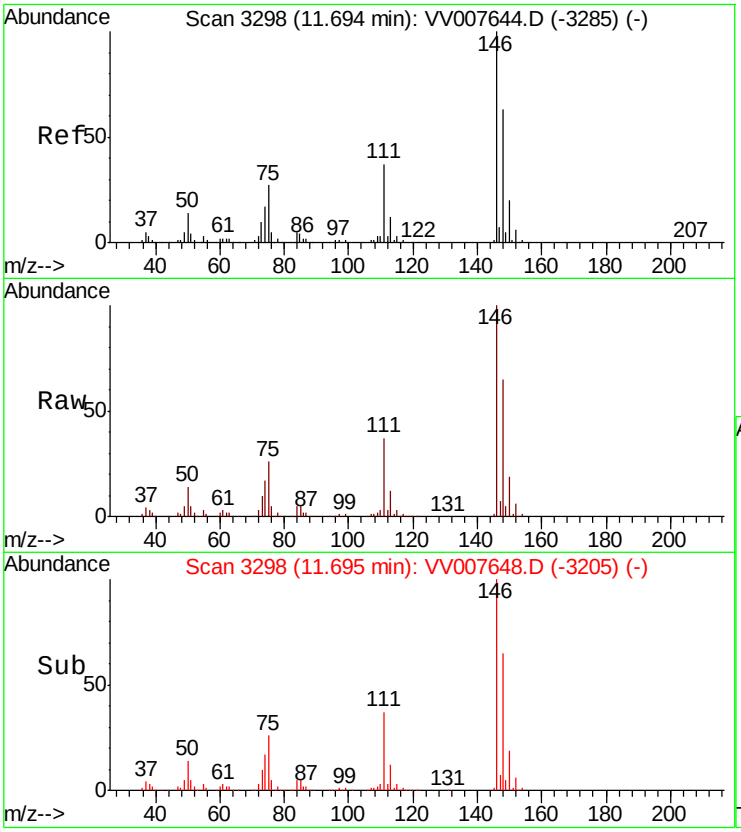


#63
1,4-Dichlorobenzene
Concen: 4.086 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion:146 Resp: 79063

Ion	Ratio	Lower	Upper
146	100		
111	35.3	24.3	45.1
148	65.7	45.7	84.9



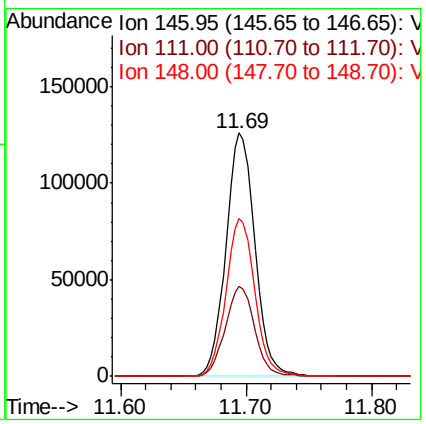


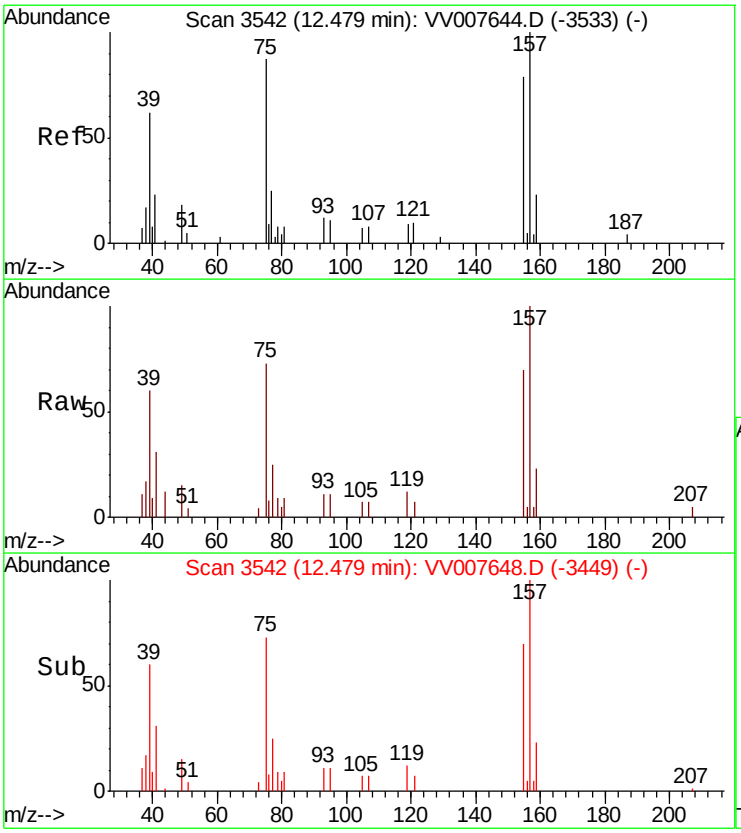
#65
1,2-Dichlorobenzene
Concen: 11.168 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument : MSVOA_V
ClientSampleId : A3Z91

Tgt Ion:146 Resp: 202186

Ion	Ratio	Lower	Upper
146	100		
111	36.9	30.0	45.0
148	65.1	51.5	77.3

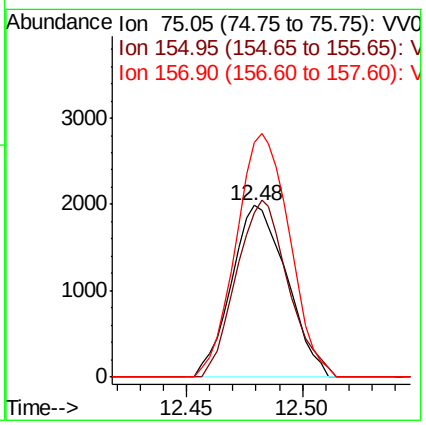


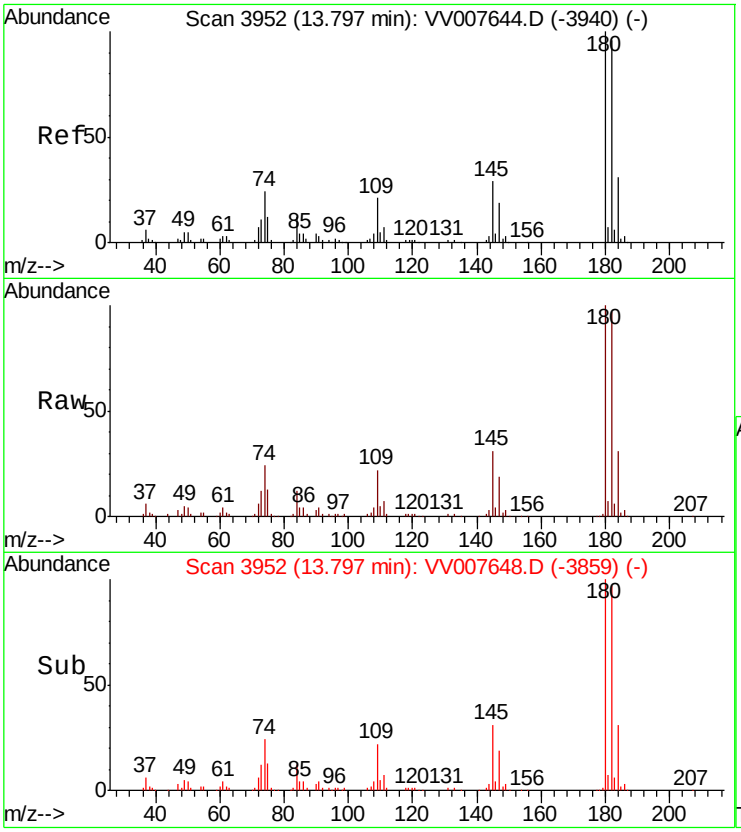


#66
1,2-Dibromo-3-chloropropane
Concen: 3.989 ug/L
RT: 12.48 min Scan# 3542
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Tgt Ion: 75 Resp: 3285

Ion	Ratio	Lower	Upper
75	100		
155	95.8	84.6	127.0
157	136.9	116.8	175.2





#70
1,2,3-Trichlorobenzene
Concen: 9.378 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV007648.D
Acq: 20 Sep 2018 11:33

Instrument :
MSVOA_V
ClientSampleId :
A3Z91

Tgt Ion:180 Resp: 117407

Ion	Ratio	Lower	Upper
180	100		
182	97.1	79.7	119.5
145	30.3	23.9	35.9