Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\

Quantitation Report (Not Reviewed)

Data File : VV009874.D
Acq On : 25 Mar 2019 20:46
Operator : SY/MD
Sample : K2016-12DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0989DL

Quant Time: Mar 26 07:19:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173928	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77827	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	84533	47.60	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 95.20%			
7) Chloroethane-d5	1.56	69	96917	48.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.00%			
11) 1,1-Dichloroethene-d2	2.12	63	181515	34.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.34%			
21) 2-Butanone-d5	3.93	46	79002	99.67	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.67%			
24) Chloroform-d	4.40	84	112561	45.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.16%			
26) 1,2-Dichloroethane-d4	5.08	65	78080	47.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.60%			
32) Benzene-d6	5.10	84	234869	49.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.56%			
36) 1,2-Dichloropropane-d6	6.12	67	72919	50.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.20%			
41) Toluene-d8	7.36	98	217034	46.97	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.94%			
43) trans-1,3-Dichloropropene-	7.66	79	27212	40.93	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.86%			
47) 2-Hexanone-d5	8.14	63	58349	97.80	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.80%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101256	42.87	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.74%			
64) 1,2-Dichlorobenzene-d4	11.67	152	86236	47.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.66%			

Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1845	0.691	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	1552	0.657	ug/L #	1
33) Benzene	5.15	78	118331	23.318	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	1700	0.973	ug/L #	77
51) Chlorobenzene	8.93	112	258695	67.287	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	21608	8.105	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	279131	99.864	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	553110	196.387	ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	48295	26.552	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	48295	33.325	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	12356	8.428	ug/L	96

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

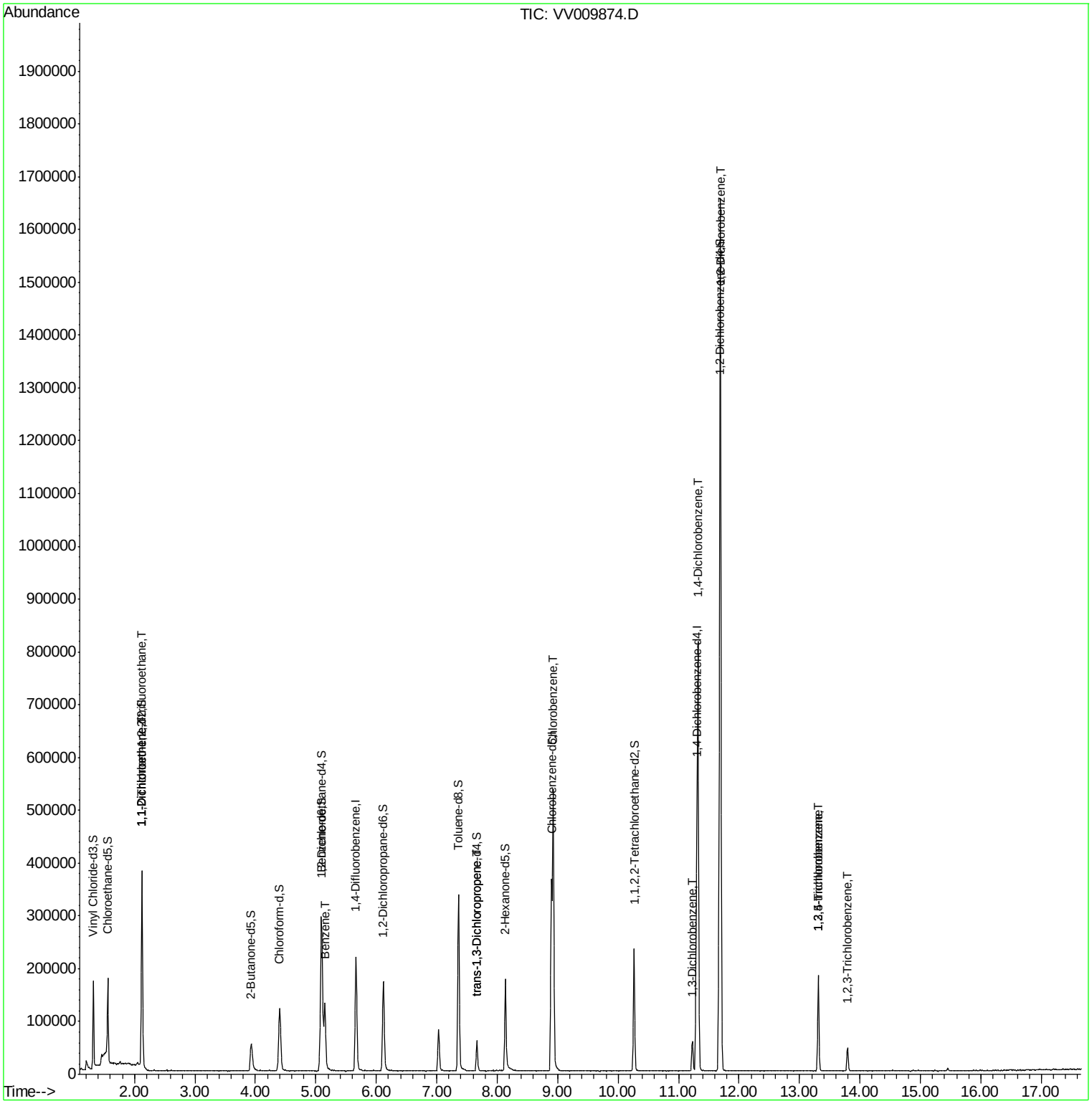
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\

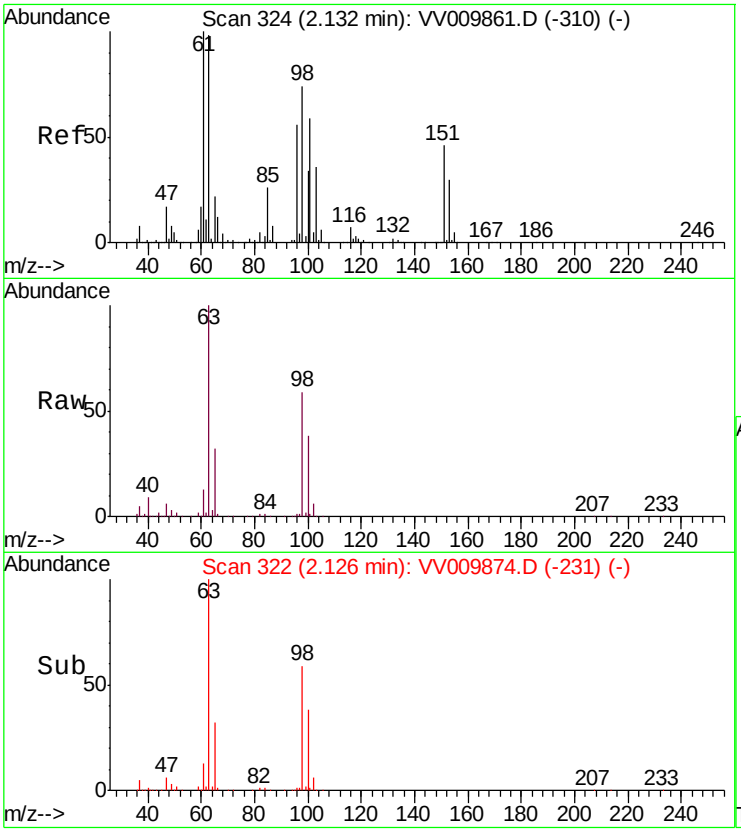
Quantitation Report (Not Reviewed)

Data File : VV009874.D
Acq On : 25 Mar 2019 20:46
Operator : SY/MD
Sample : K2016-12DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0989DL

Quant Time: Mar 26 07:19:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration



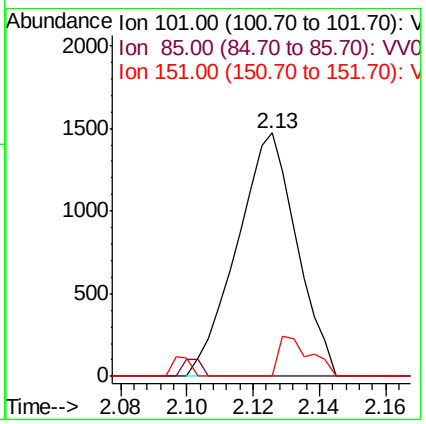


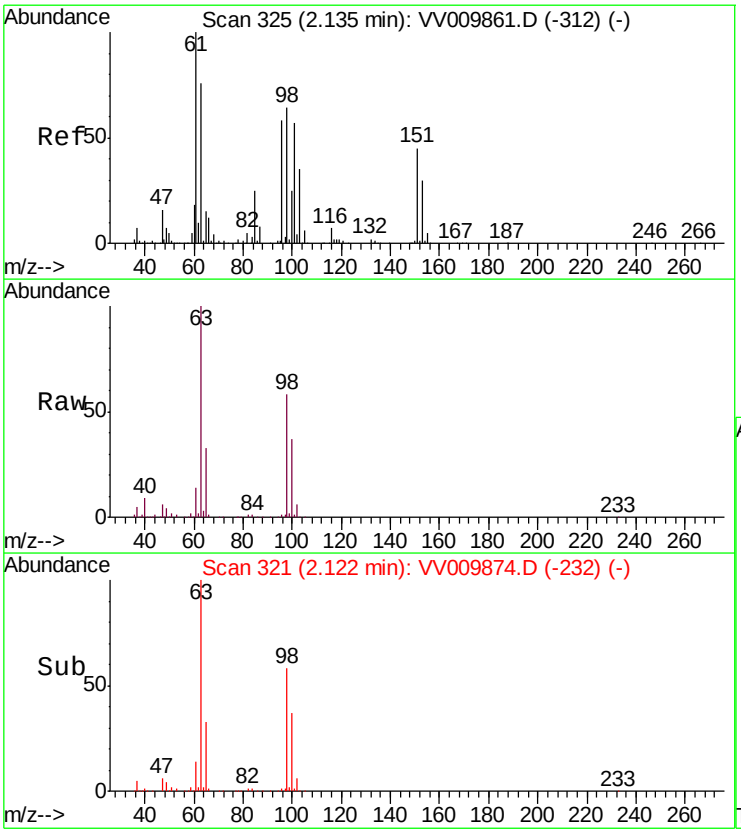
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.691 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :
C0989DL

Tgt Ion:101 Resp: 1845

Ion	Ratio	Lower	Upper
101	100		
85	2.8	37.0	55.4#
151	6.2	65.4	98.2#

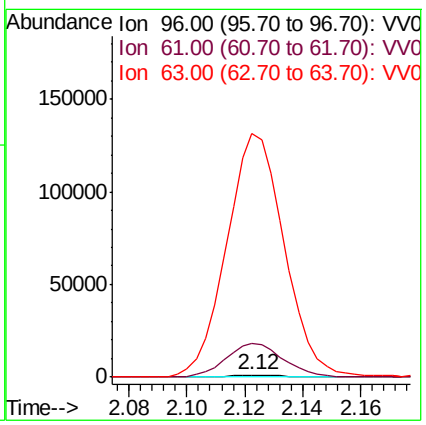


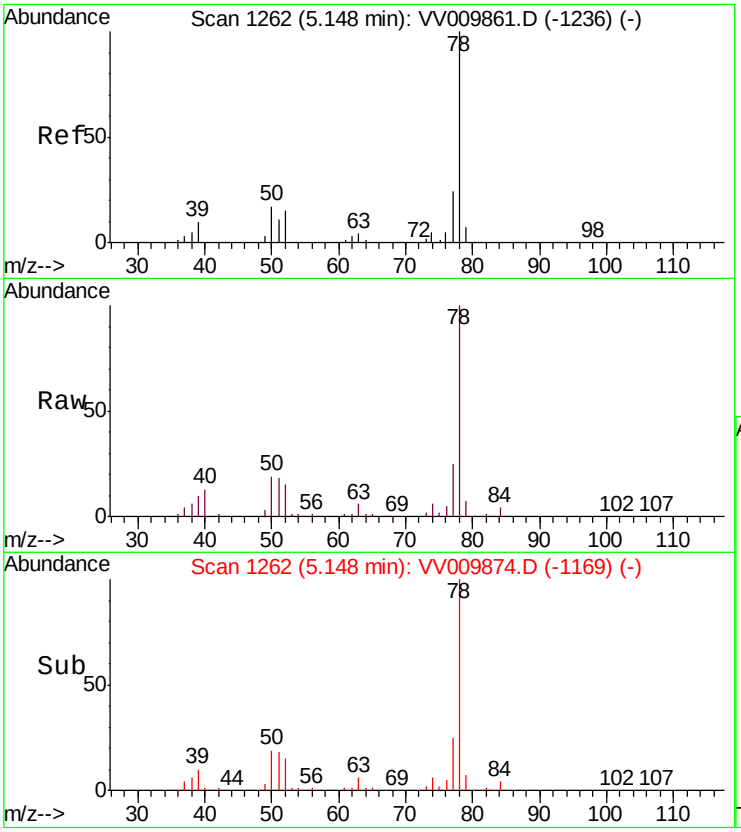


#12
1,1-Dichloroethene
Concen: 0.657 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Tgt Ion: 96 Resp: 1552

Ion	Ratio	Lower	Upper
96	100		
61	1547.3	125.3	232.7#
63	11239.7	109.7	203.7#

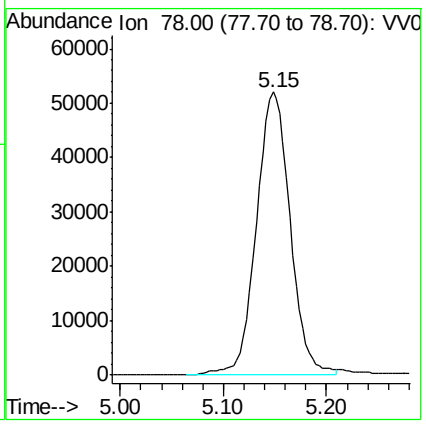


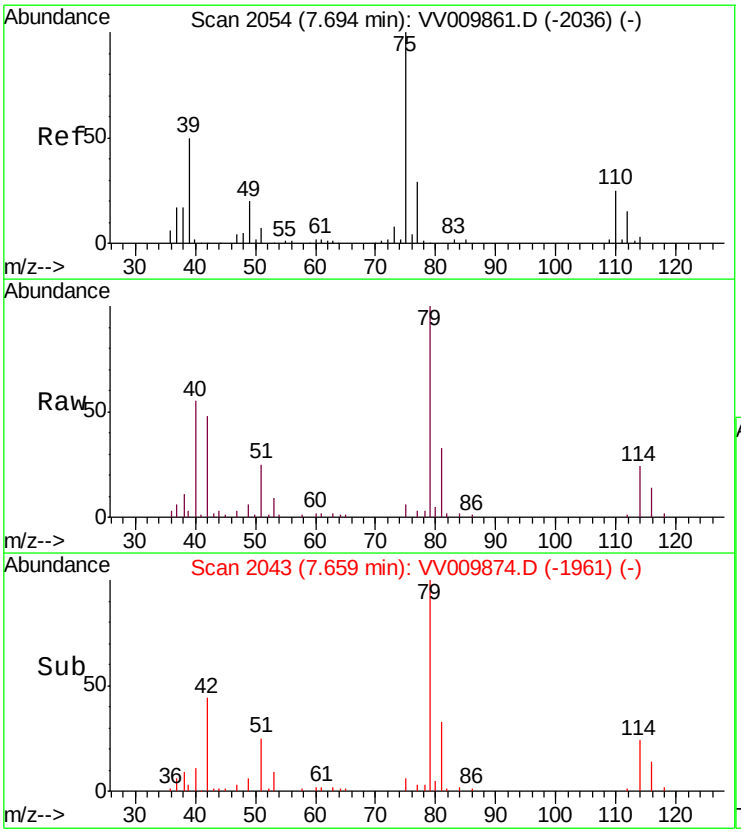


#33
Benzene
Concen: 23.318 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :
C0989DL

Tgt Ion: 78 Resp: 118331

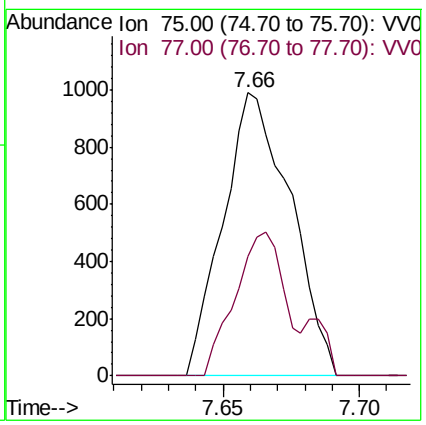


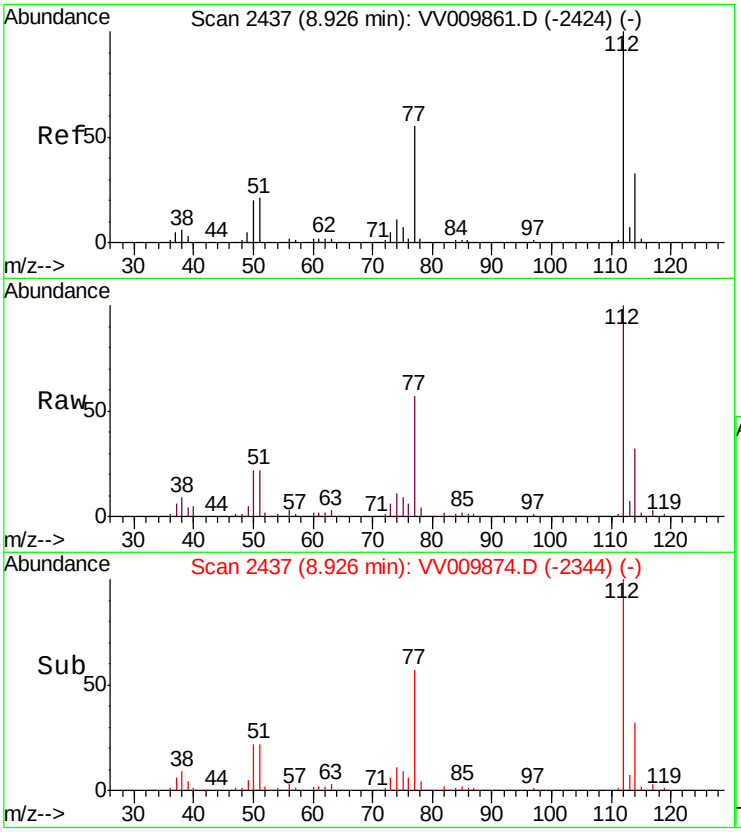


#44
trans-1,3-Dichloropropene
Concen: 0.973 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.04 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Tgt Ion: 75 Resp: 1700

Ion	Ratio	Lower	Upper
75	100		
77	42.0	20.7	38.5#



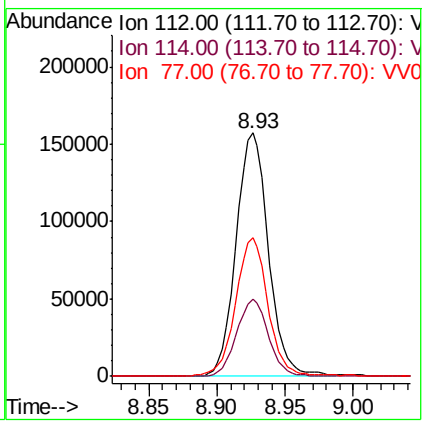


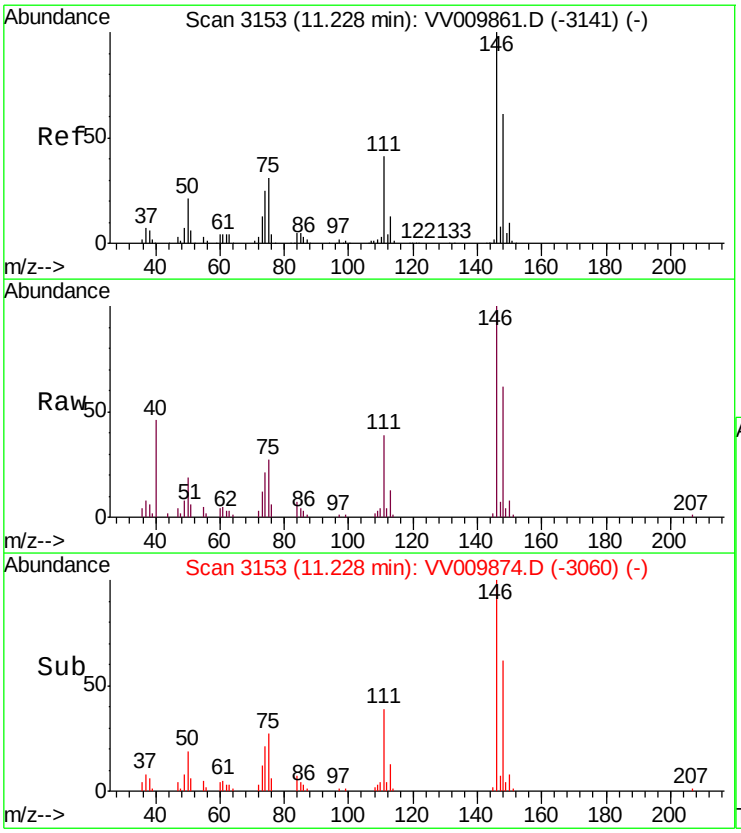
#51
Chlorobenzene
Concen: 67.287 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Instrument : MSVOA_V
ClientSampleId : C0989DL

Tgt Ion:112 Resp: 258695

Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.3	43.3
77	56.7	45.8	68.6

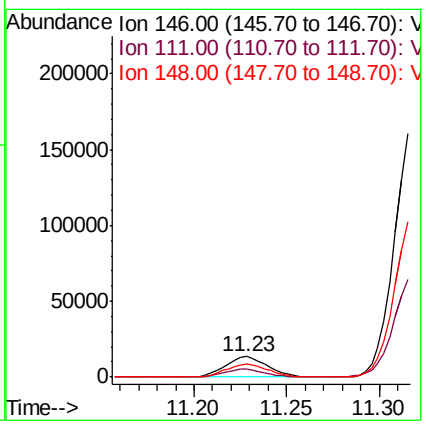


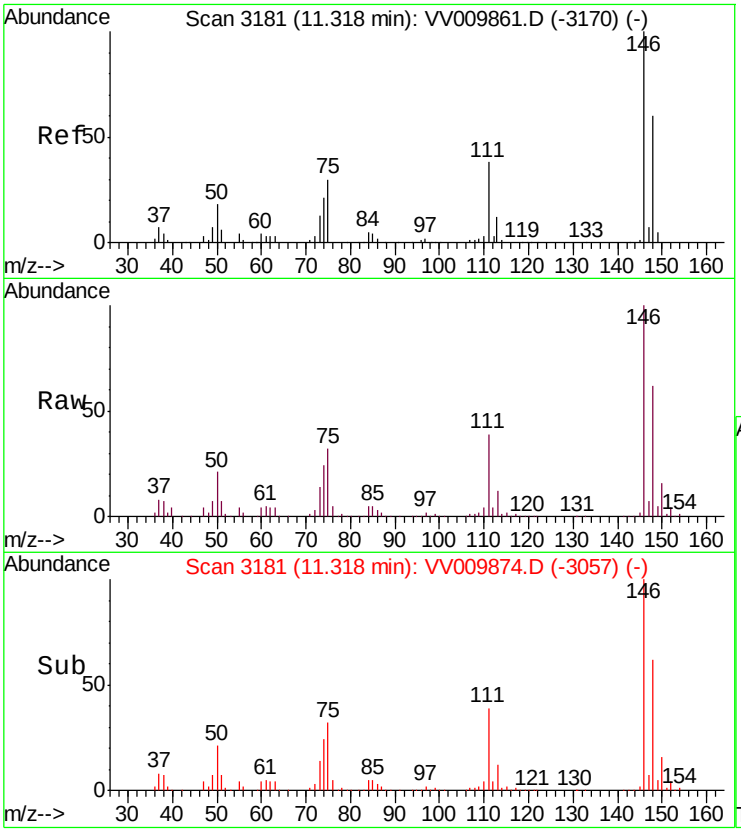


#62
1,3-Dichlorobenzene
Concen: 8.105 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Tgt Ion:146 Resp: 21608

Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.5	51.1
148	62.0	43.0	80.0



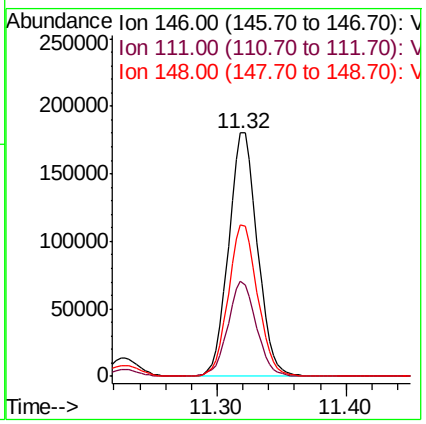


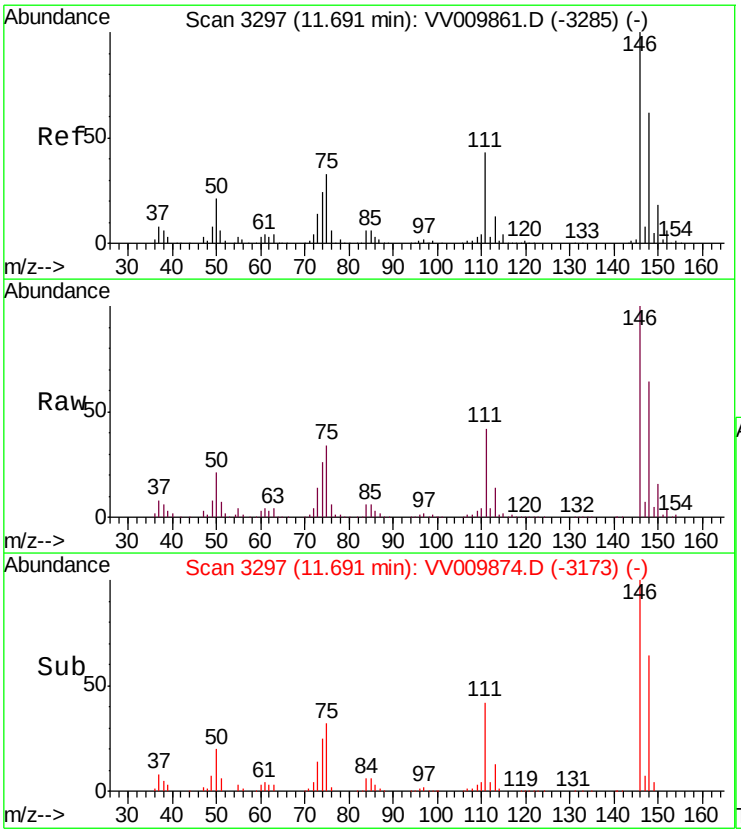
#63
1,4-Dichlorobenzene
Concen: 99.864 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :
C0989DL

Tgt Ion:146 Resp: 279131

Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.5	49.3
148	62.2	43.2	80.2

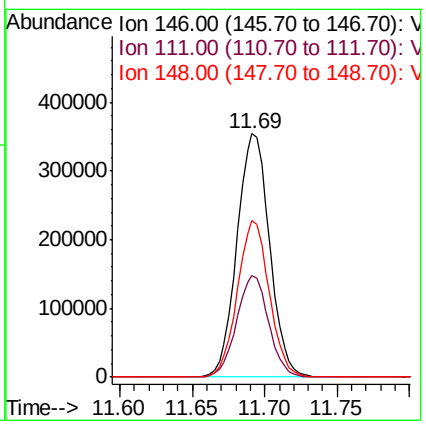


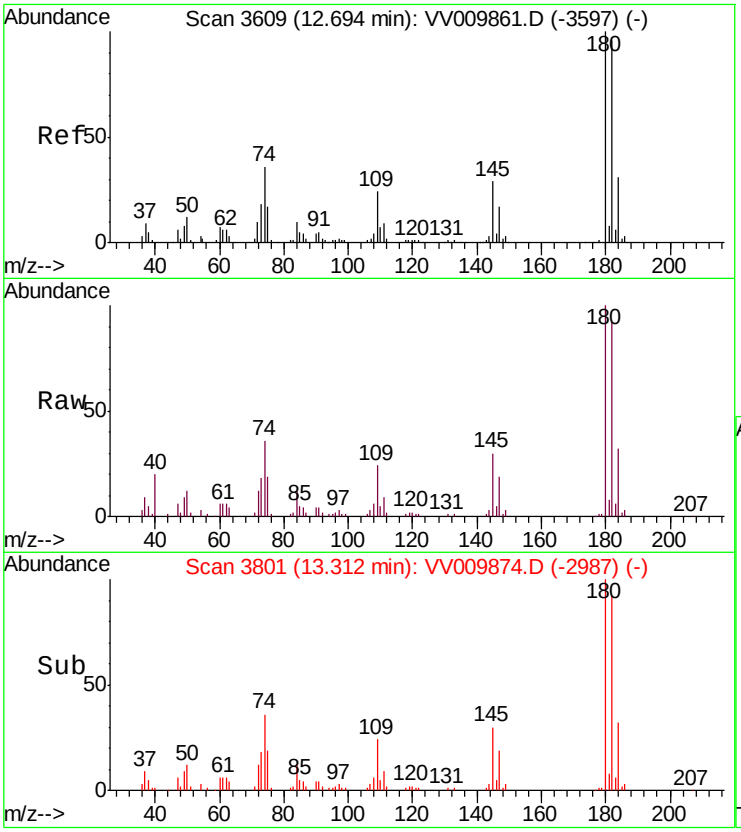


#65
1,2-Dichlorobenzene
Concen: 196.387 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Tgt Ion:146 Resp: 553110

Ion	Ratio	Lower	Upper
146	100		
111	41.9	33.0	49.6
148	64.2	53.2	79.8



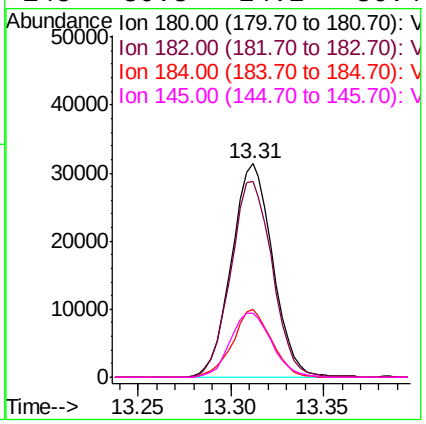


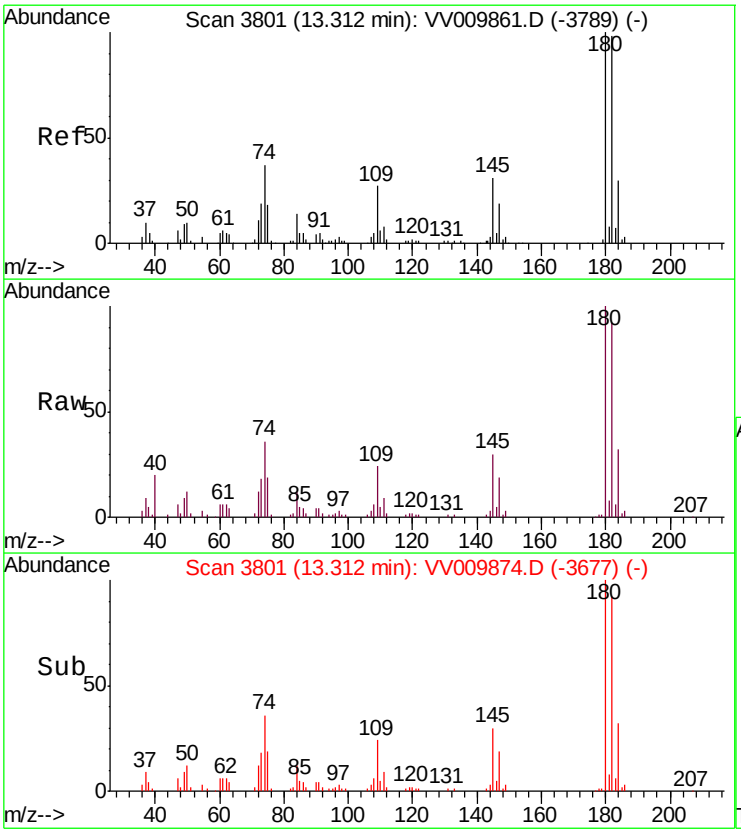
#67
1,3,5-Trichlorobenzene
Concen: 26.552 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.62 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :
C0989DL

Tgt Ion:180 Resp: 48295

Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.0	112.6
184	29.9	24.1	36.1
145	30.3	24.2	36.4

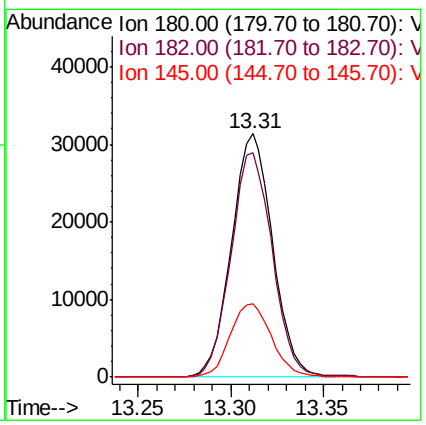


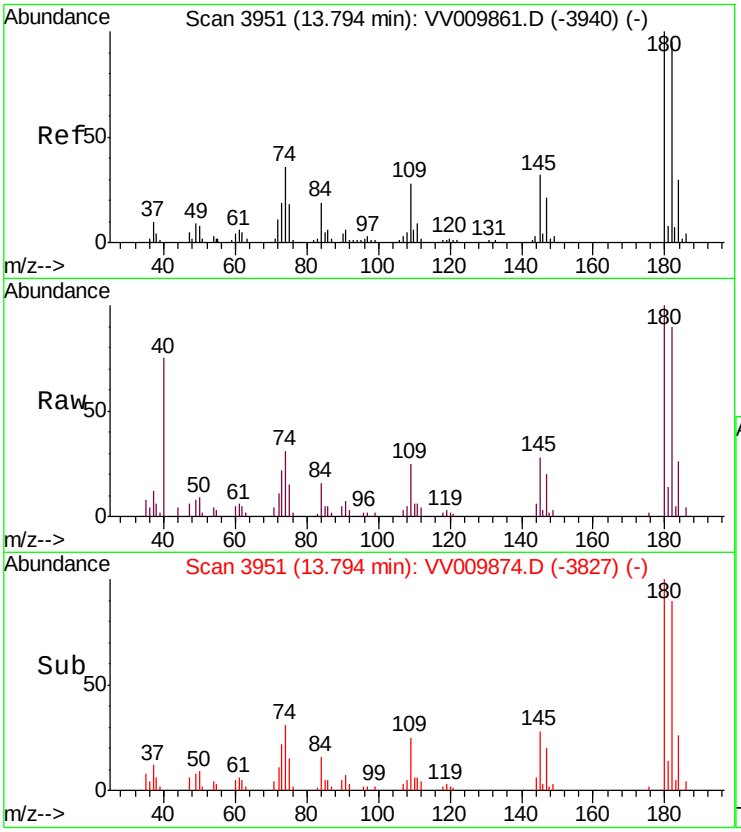


#68
1,2,4-trichlorobenzene
Concen: 33.325 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Tgt Ion:180 Resp: 48295

Ion	Ratio	Lower	Upper
180	100		
182	92.6	77.1	115.7
145	30.3	24.3	36.5





#70
1,2,3-Trichlorobenzene
Concen: 8.428 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009874.D
Acq: 25 Mar 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :
C0989DL

Tgt Ion:180 Resp: 12356

Ion	Ratio	Lower	Upper
180	100		
182	89.6	75.6	113.4
145	30.0	24.8	37.2