Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112618\

Quantitation Report (Not Reviewed)

Data File : VV008716.D
Acq On : 26 Nov 2018 15:44
Operator : SY/MD
Sample : J6036-05
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0928

Quant Time: Nov 27 03:14:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	285975	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.93	117	245266	50.00	ug/L	0.04
60) 1,4-Dichlorobenzene-d4	11.31	152	151630	50.00	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	83011	41.15	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 82.30%			
7) Chloroethane-d5	1.56	69	64972	58.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.90%			
11) 1,1-Dichloroethene-d2	2.13	63	118545	35.60	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.20%			
21) 2-Butanone-d5	3.93	46	151317	92.02	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.02%			
24) Chloroform-d	4.41	84	211821	51.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.68%			
26) 1,2-Dichloroethane-d4	5.09	65	127814	48.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.80%			
32) Benzene-d6	5.11	84	401142	52.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.16%			
36) 1,2-Dichloropropane-d6	6.12	67	128014	53.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.36%			
41) Toluene-d8	7.36	98	375650	54.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.72%			
43) trans-1,3-Dichloropropene-	7.67	79	58918	55.23	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 110.46%			
47) 2-Hexanone-d5	8.14	63	112287	104.13	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.13%			
57) 1,1,2,2-Tetrachloroethane-	10.27	84	179436	55.16	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 110.32%			
64) 1,2-Dichlorobenzene-d4	11.71	152	146315	44.21	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.42%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1082	0.669	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	1031	0.710	ug/L #	1
13) Acetone	2.19	43	25640	15.759	ug/L	98
16) Methylene chloride	2.53	84	1310	0.583	ug/L	84
25) Chloroform	4.43	83	507212	126.134	ug/L	96
27) 1,2-Dichloroethane	5.16	62	278672	89.456	ug/L #	74
29) Cyclohexane	4.73	56	30924	9.307	ug/L #	100
31) Carbon tetrachloride	4.88	117	220495	87.484	ug/L	97
34) Trichloroethene	5.96	95	2363	1.131	ug/L	90
35) Methylcyclohexane	6.18	83	13249	3.840	ug/L #	80
38) Bromodichloromethane	6.56	83	5042	1.975	ug/L	83
42) Toluene	7.43	91	15016	1.831	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	2545	0.924	ug/L	98
46) Tetrachloroethene	8.02	164	4310	2.856	ug/L	95
49) Dibromochloromethane	8.30	129	1208	0.626	ug/L	98
53) m,p-Xylene	9.19	106	1888	0.571	ug/L	90
62) 1,3-Dichlorobenzene	11.24	146	7416827	1459.748	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112618\

Quantitation Report (Not Reviewed)

Data File : VV008716.D
Acq On : 26 Nov 2018 15:44
Operator : SY/MD
Sample : J6036-05
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0928

Quant Time: Nov 27 03:14:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
63) 1,4-Dichlorobenzene	11.24	146	7416827	1432.307	ug/L		98
66) 1,2-Dibromo-3-chloropropan	12.45	75	27616	32.520	ug/L	#	5
67) 1,3,5-Trichlorobenzene	12.70	180	4509	1.275	ug/L		97
68) 1,2,4-trichlorobenzene	13.32	180	8194695	3052.734	ug/L		98
69) Naphthalene	13.56	128	6690	0.875	ug/L	#	83
70) 1,2,3-Trichlorobenzene	13.80	180	1977914	716.562	ug/L		98

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

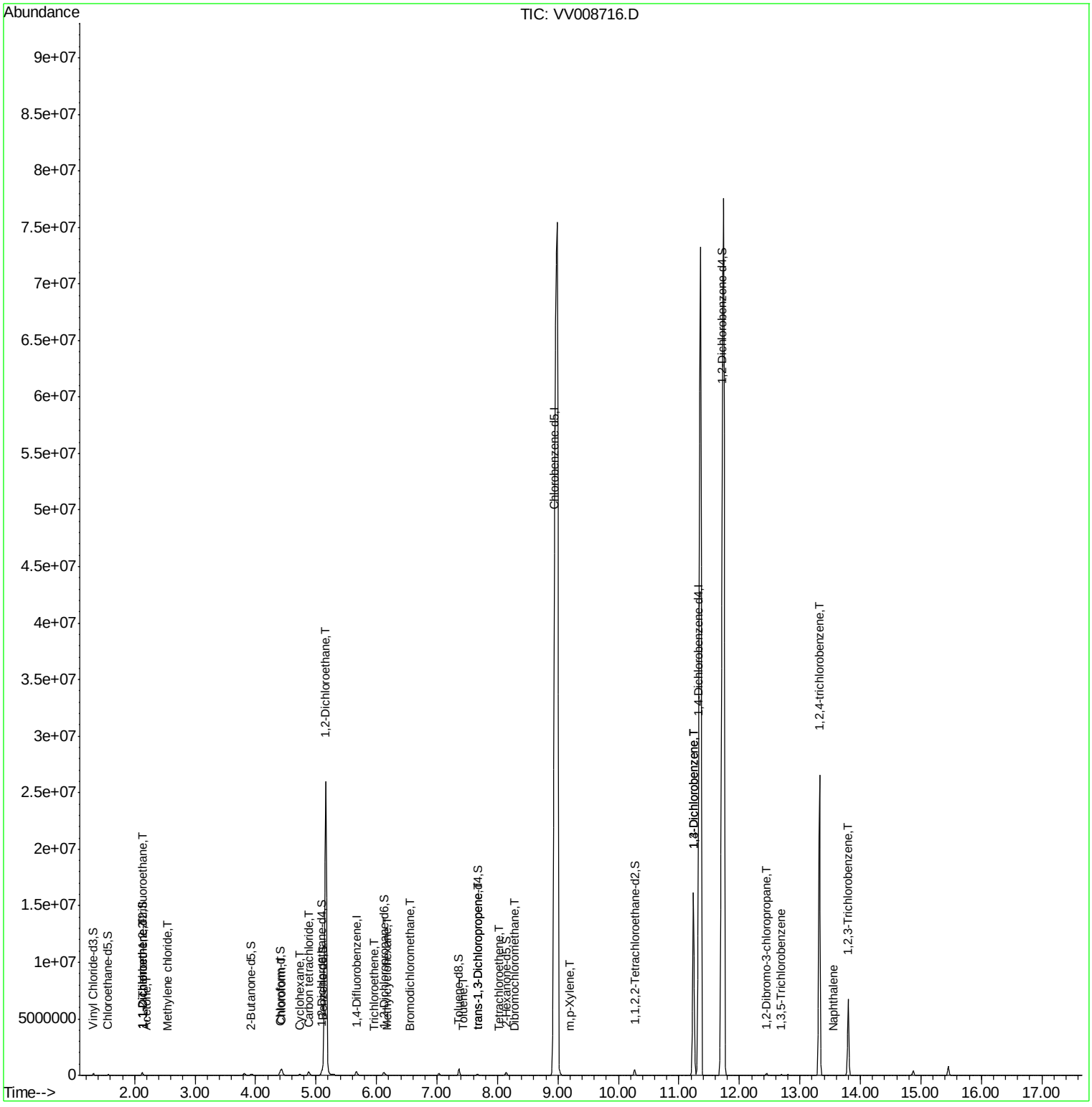
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112618\

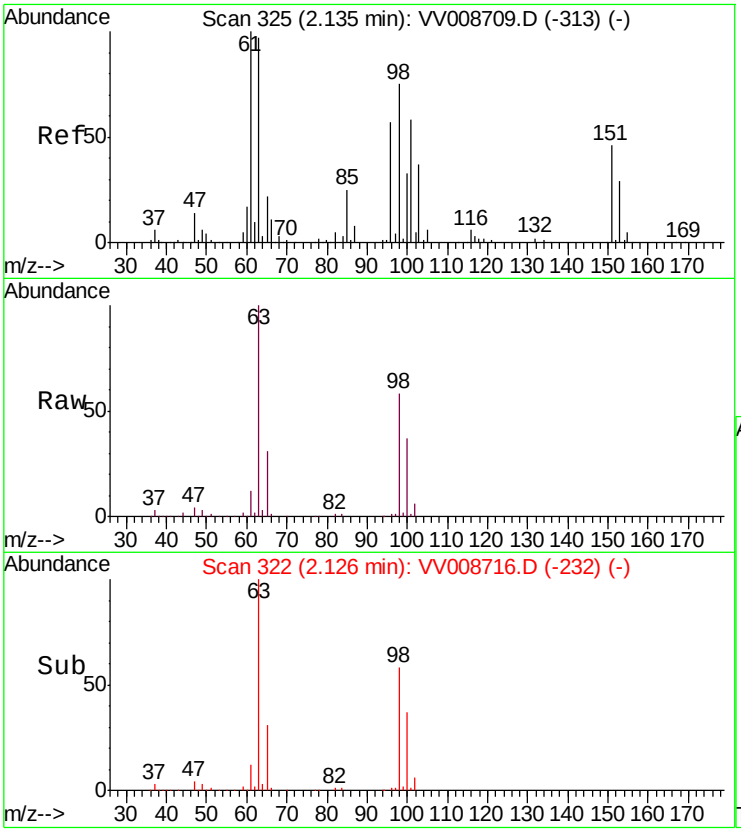
Quantitation Report (Not Reviewed)

Data File : VV008716.D
Acq On : 26 Nov 2018 15:44
Operator : SY/MD
Sample : J6036-05
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0928

Quant Time: Nov 27 03:14:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration



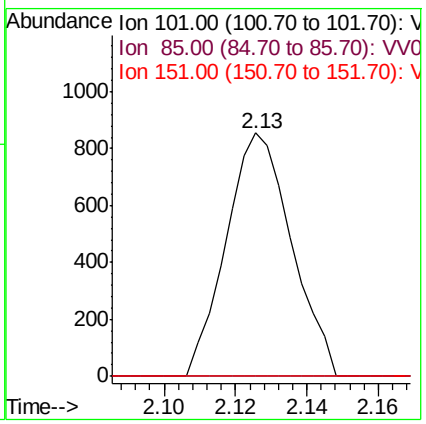


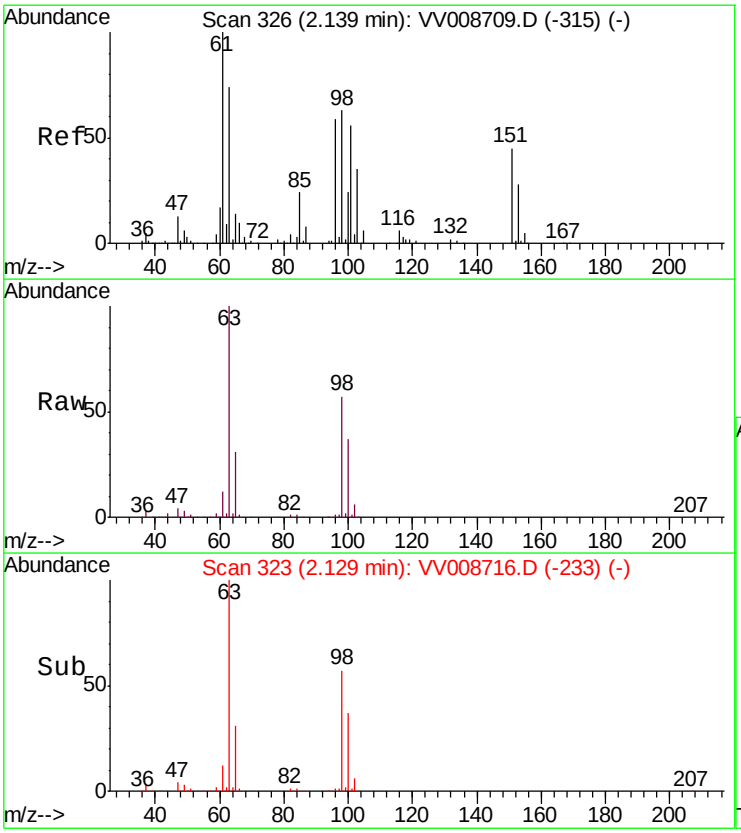
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.669 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion:101 Resp: 1082

Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.0	55.6#
151	0.0	63.8	95.8#

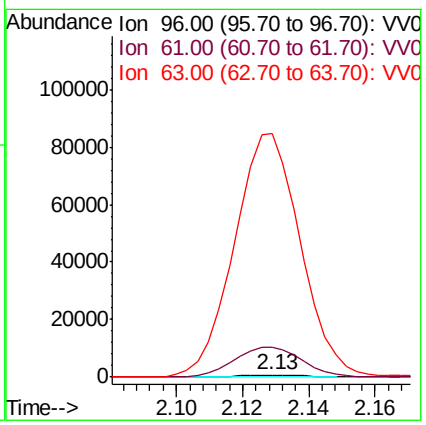


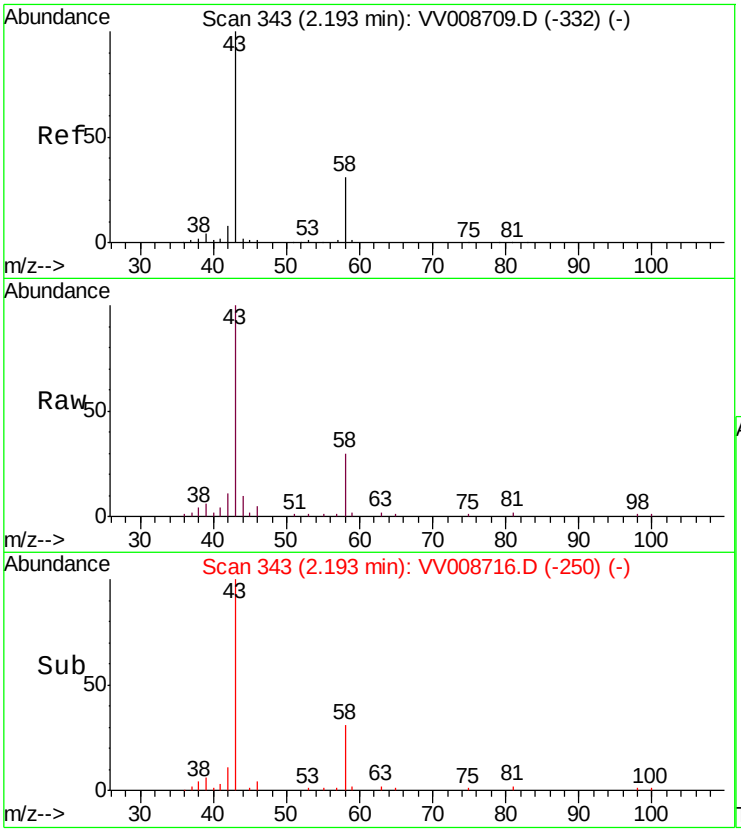


#12
1,1-Dichloroethene
Concen: 0.710 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 96 Resp: 1031

Ion	Ratio	Lower	Upper
96	100		
61	1475.4	120.3	223.3#
63	12046.7	113.3	210.5#



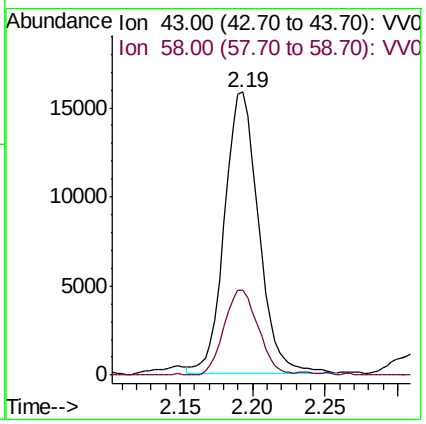


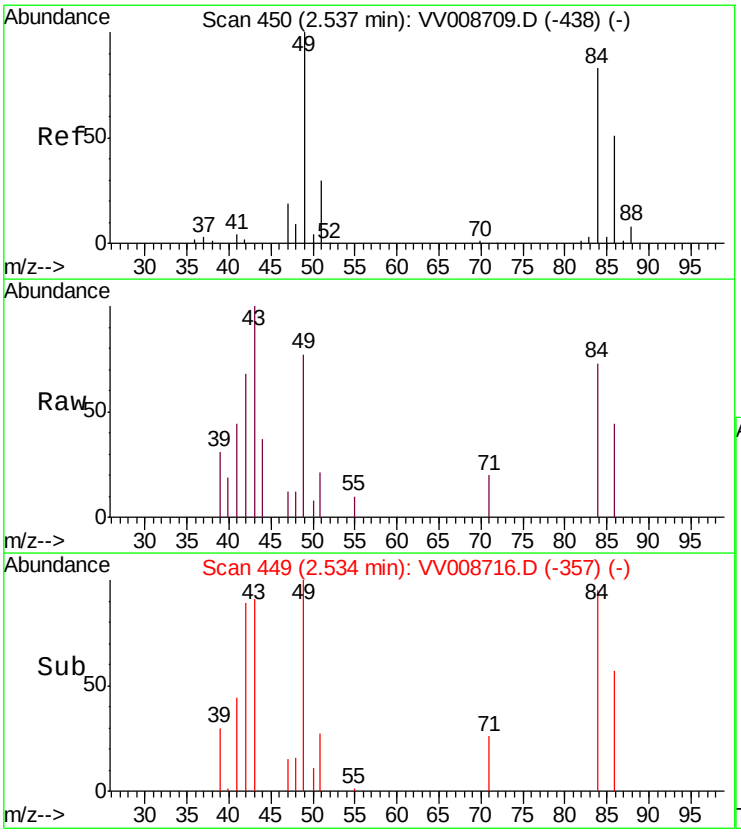
#13
Acetone
Concen: 15.759 ug/L
RT: 2.19 min Scan# 343
Delta R.T. -0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 43 Resp: 25640

Ion	Ratio	Lower	Upper
43	100		
58	30.5	0.0	62.8

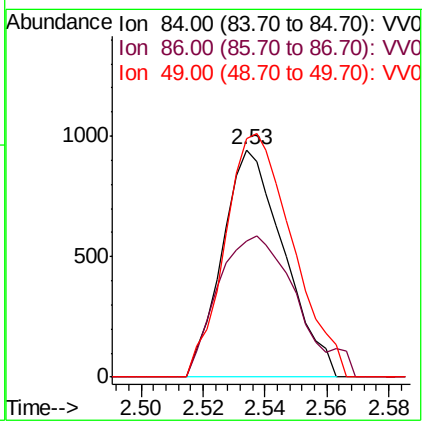


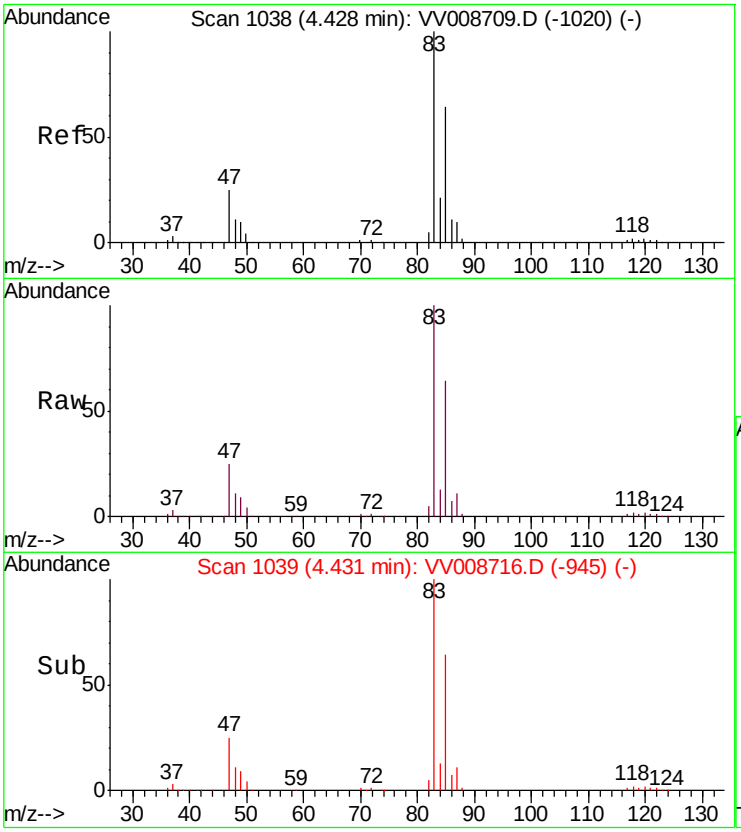


#16
Methylene chloride
Concen: 0.583 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 84 Resp: 1310

Ion	Ratio	Lower	Upper
84	100		
86	60.2	50.6	94.0
49	105.2	86.5	160.7



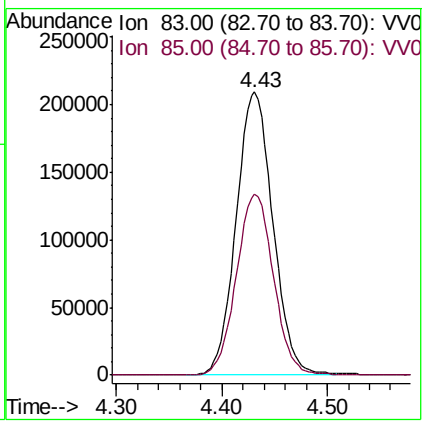


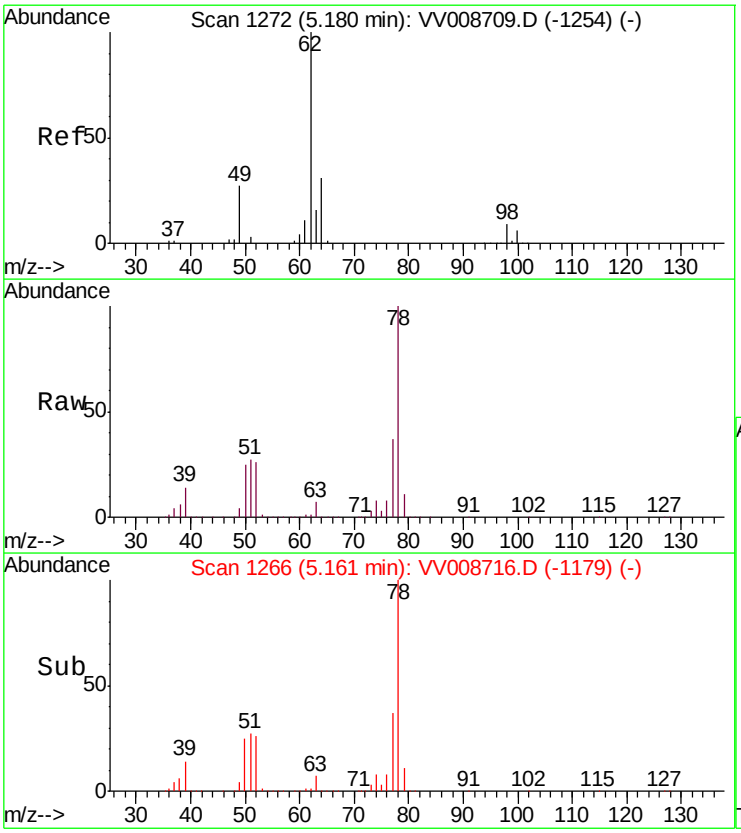
#25
Chloroform
Concen: 126.134 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 83 Resp: 507212

Ion	Ratio	Lower	Upper
83	100		
85	63.9	42.8	79.4

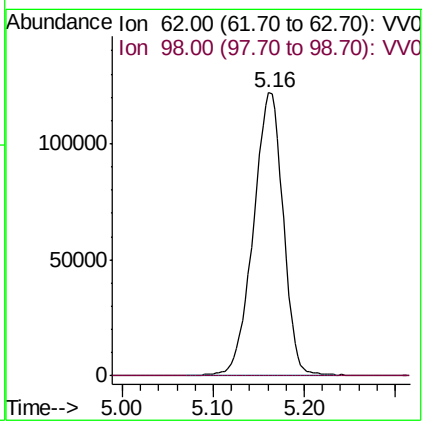


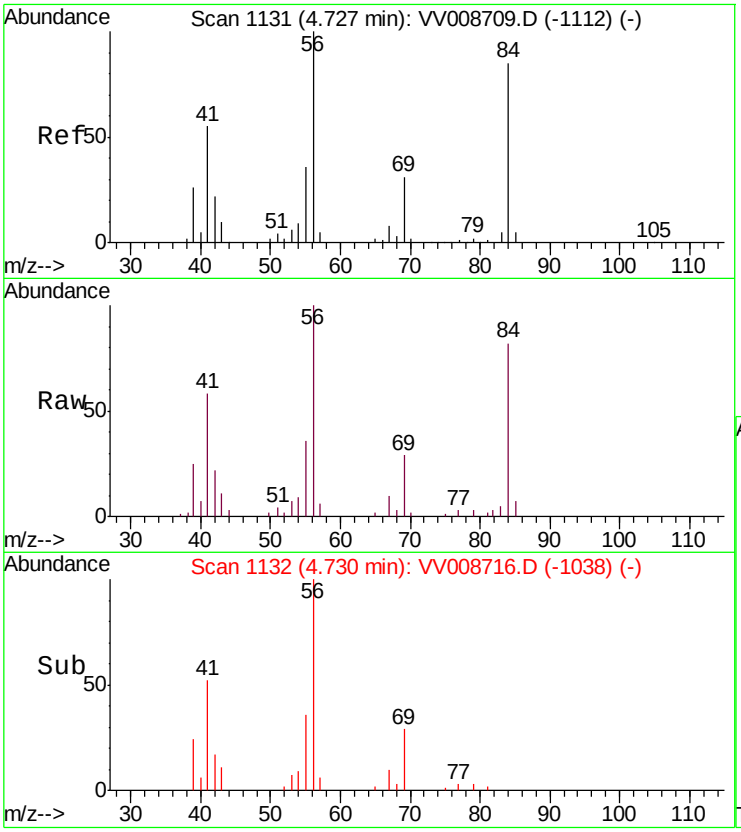


#27
1,2-Dichloroethane
Concen: 89.456 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.02 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 62 Resp: 278672

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.2#



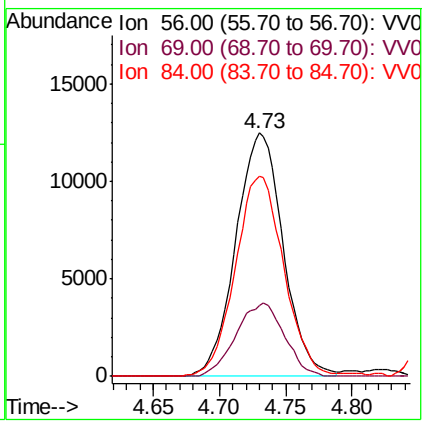


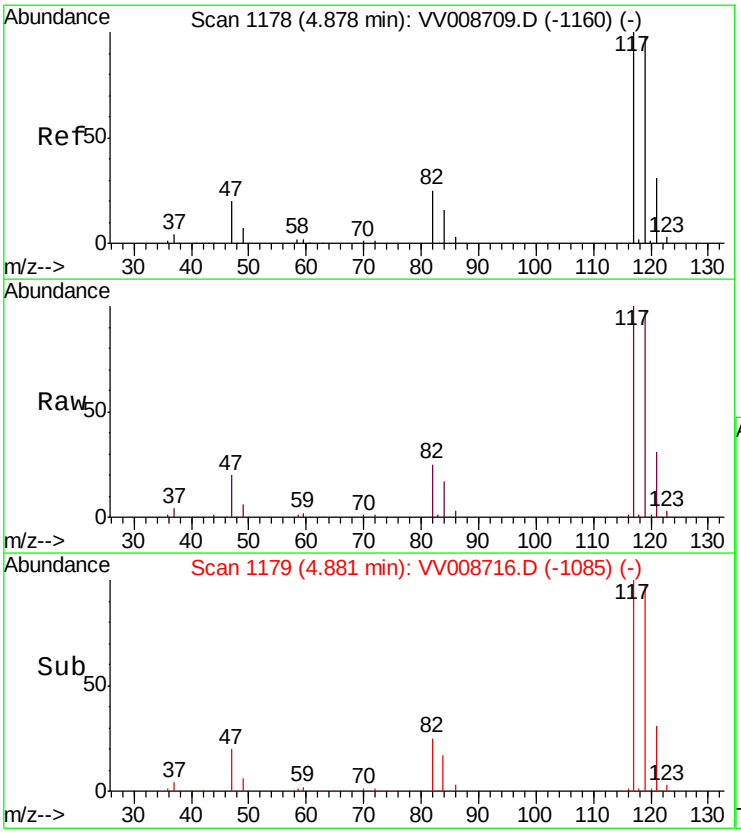
#29
Cyclohexane
Concen: 9.307 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 56 Resp: 30924

Ion	Ratio	Lower	Upper
56	100		
69	30.7	0.0	0.0#
84	81.5	0.0	0.0#

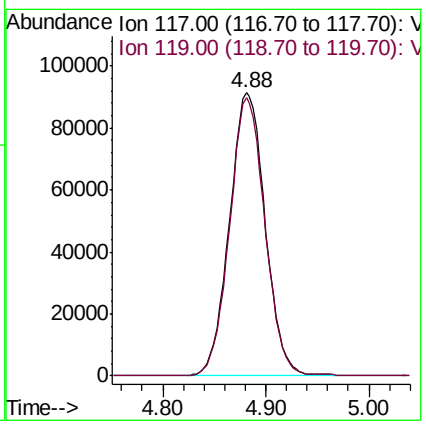


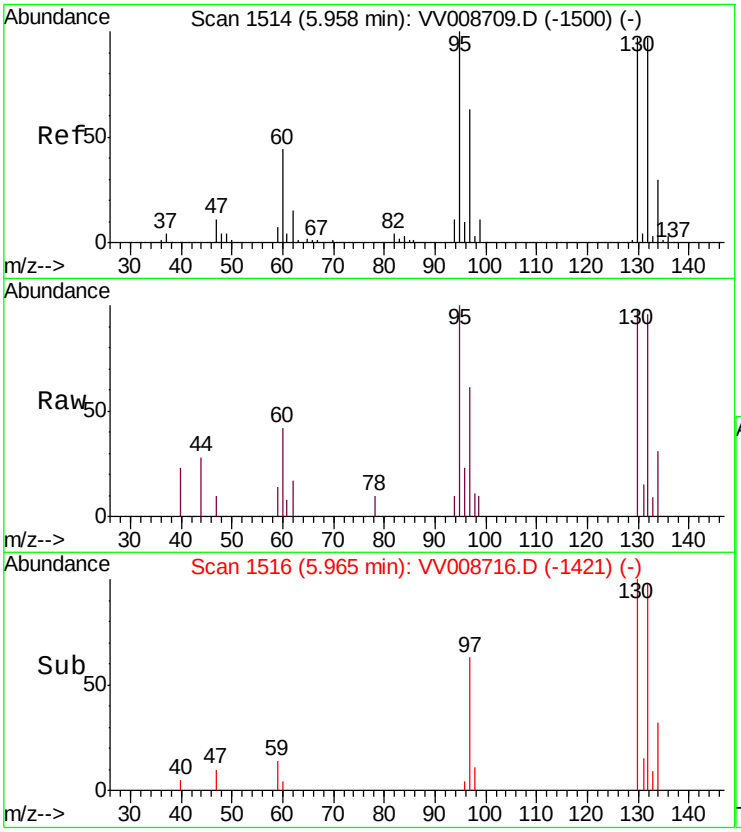


#31
Carbon tetrachloride
Concen: 87.484 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion:117 Resp: 220495

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4



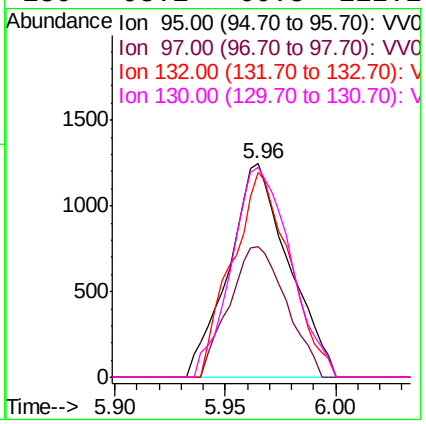


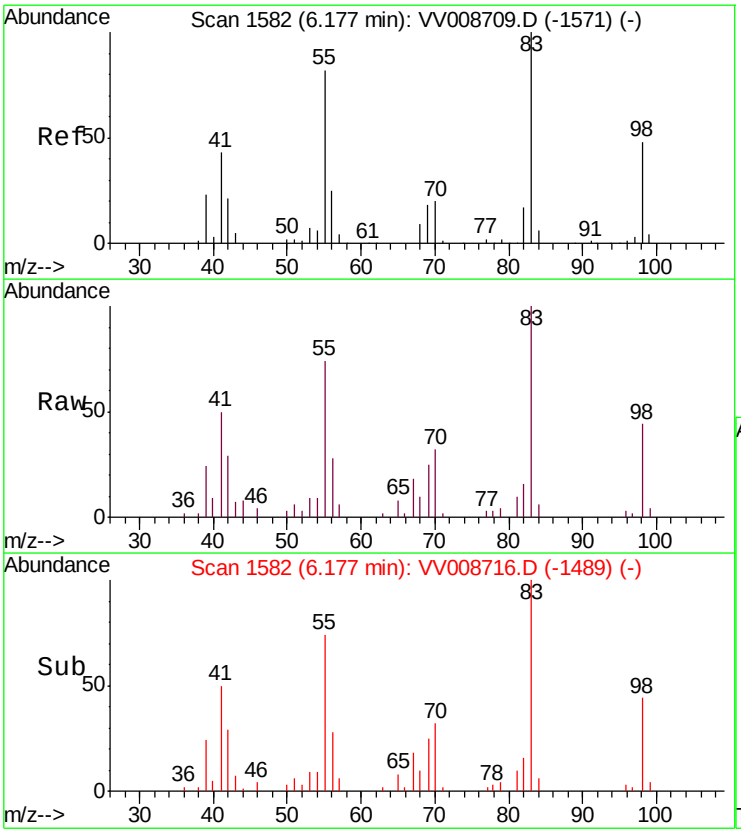
#34
Trichloroethene
Concen: 1.131 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 95 Resp: 2363

Ion	Ratio	Lower	Upper
95	100		
97	61.4	43.8	81.3
132	96.1	58.3	108.3
130	98.1	60.3	112.1

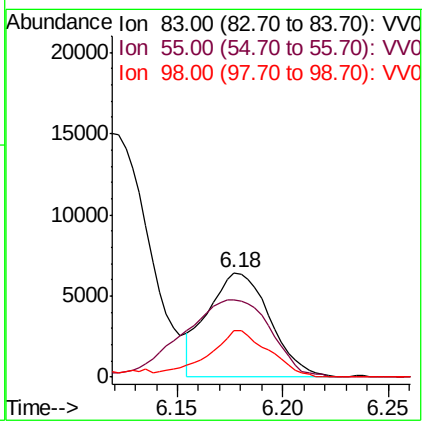


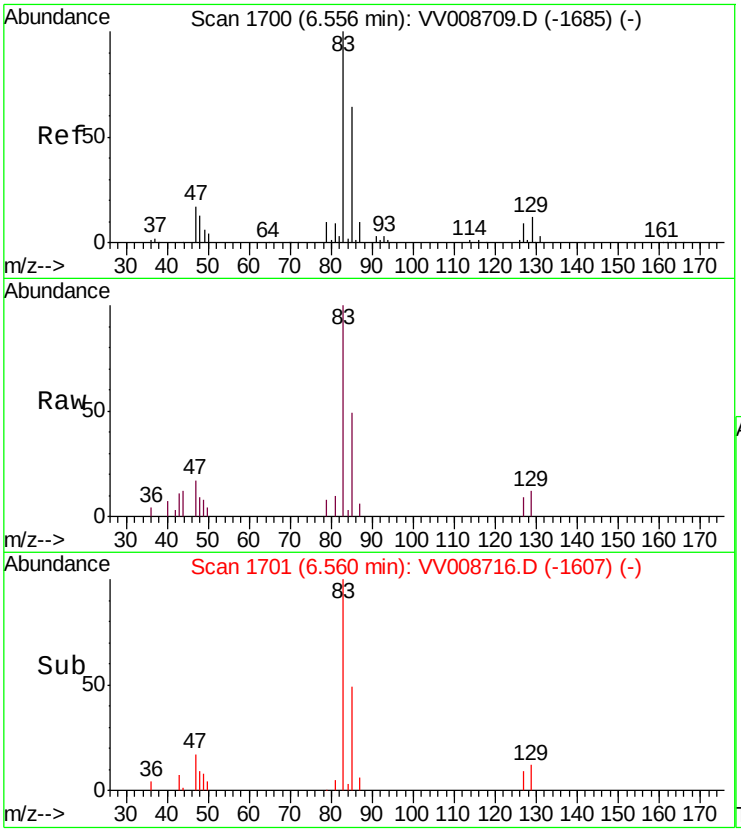


#35
Methylcyclohexane
Concen: 3.840 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 83 Resp: 13249

Ion	Ratio	Lower	Upper
83	100		
55	105.5	63.0	94.6#
98	43.7	35.4	53.0



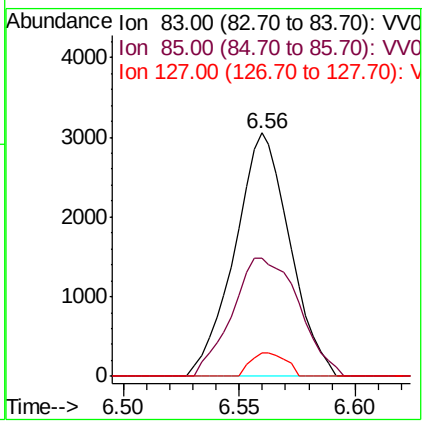


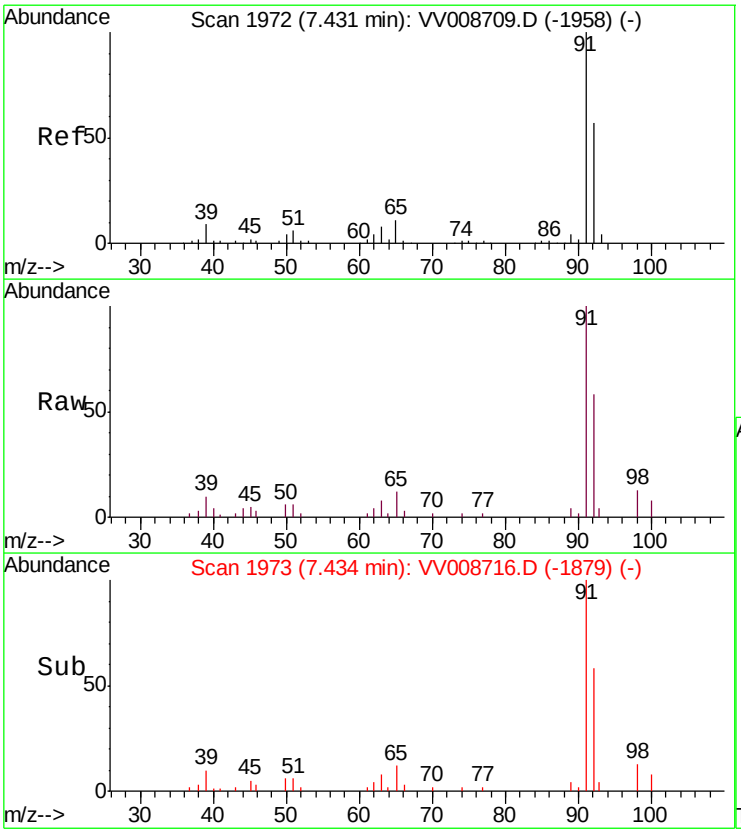
#38
Bromodichloromethane
Concen: 1.975 ug/L
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 83 Resp: 5042

Ion	Ratio	Lower	Upper
83	100		
85	48.5	44.3	82.3
127	9.5	6.8	10.2

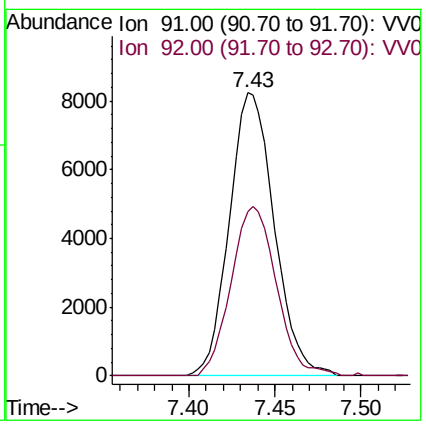


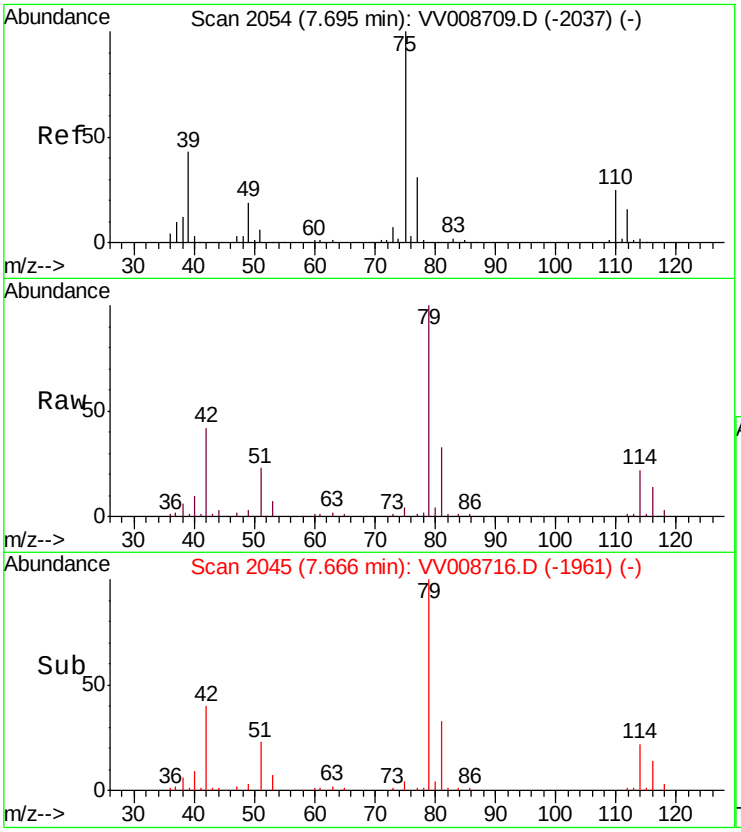


#42
Toluene
Concen: 1.831 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion: 91 Resp: 15016

Ion	Ratio	Lower	Upper
91	100		
92	57.9	41.6	77.2



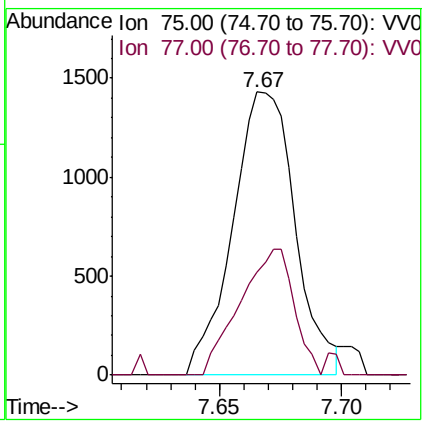


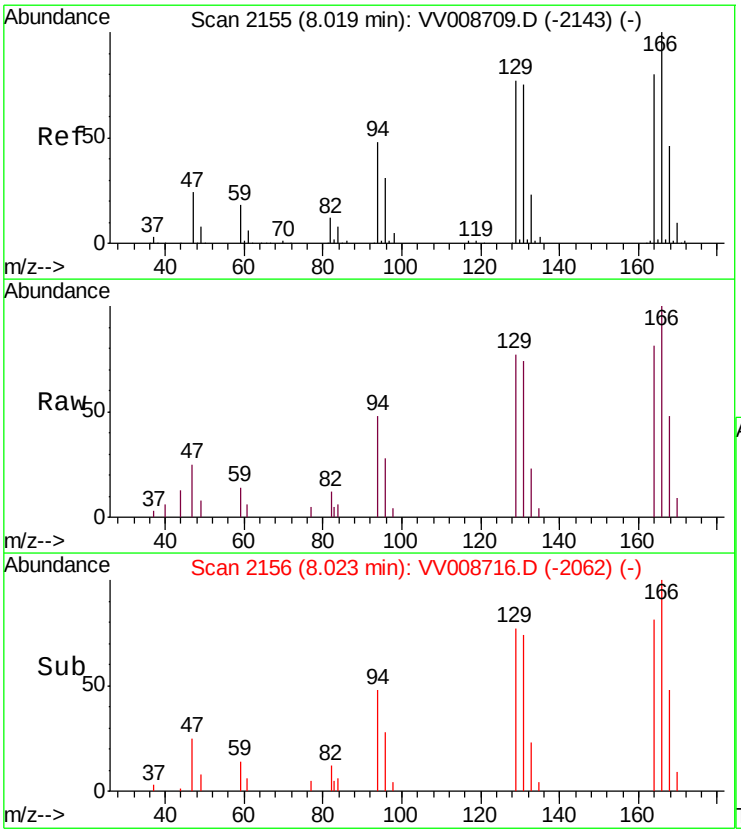
#44
trans-1,3-Dichloropropene
Concen: 0.924 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 75 Resp: 2545

Ion	Ratio	Lower	Upper
75	100		
77	36.4	24.6	45.8

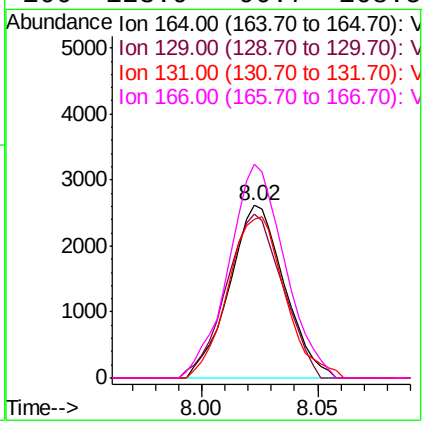


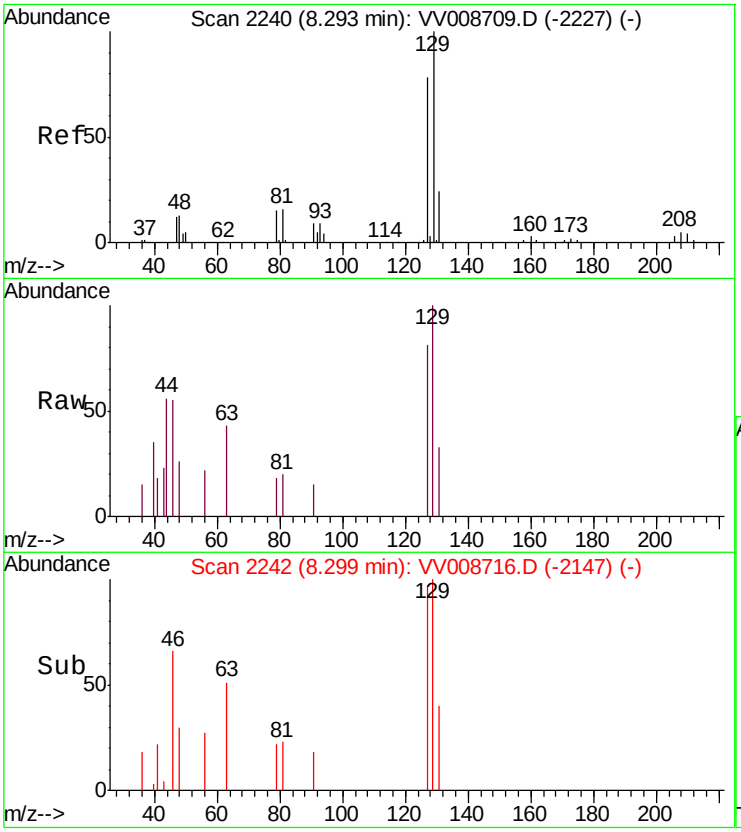


#46
Tetrachloroethene
Concen: 2.856 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion:164 Resp: 4310

Ion	Ratio	Lower	Upper
164	100		
129	95.4	68.3	126.8
131	92.3	69.1	128.3
166	123.9	90.7	168.5



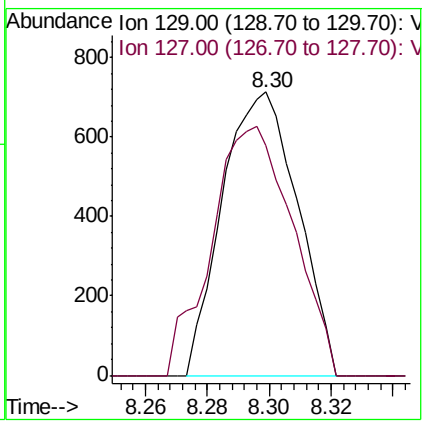


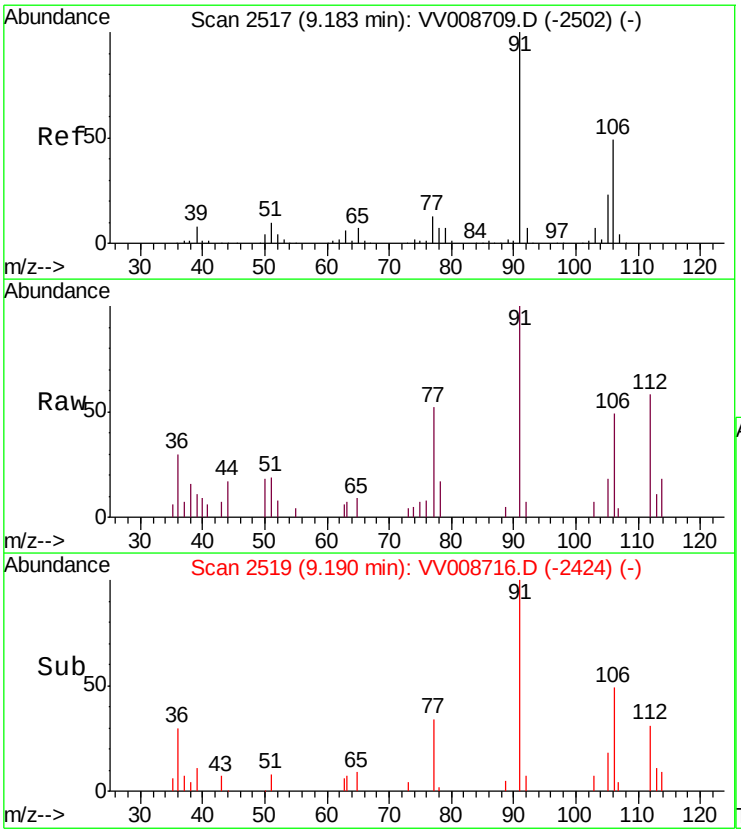
#49
Dibromochloromethane
Concen: 0.626 ug/L
RT: 8.30 min Scan# 2242
Delta R.T. 0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion:129 Resp: 1208

Ion	Ratio	Lower	Upper
129	100		
127	81.1	58.2	108.0

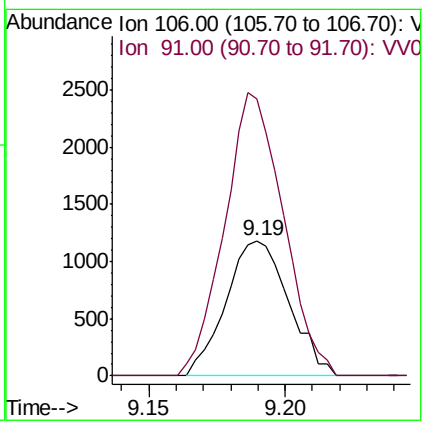


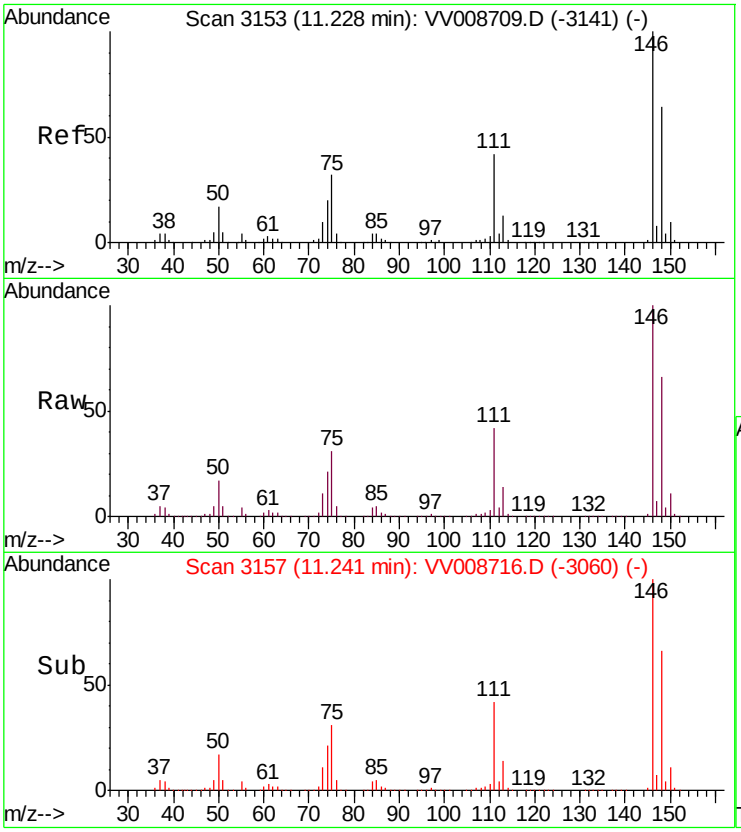


#53
m,p-Xylene
Concen: 0.571 ug/L
RT: 9.19 min Scan# 2519
Delta R.T. 0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion:106 Resp: 1888

Ion	Ratio	Lower	Upper
106	100		
91	205.5	154.7	287.3



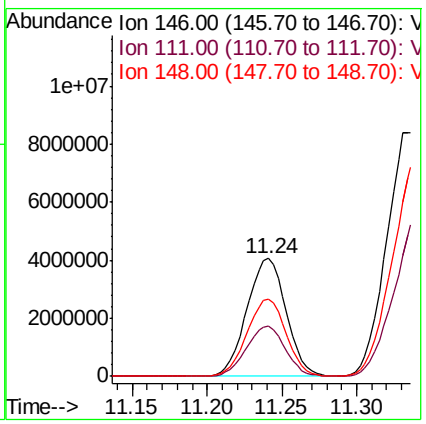


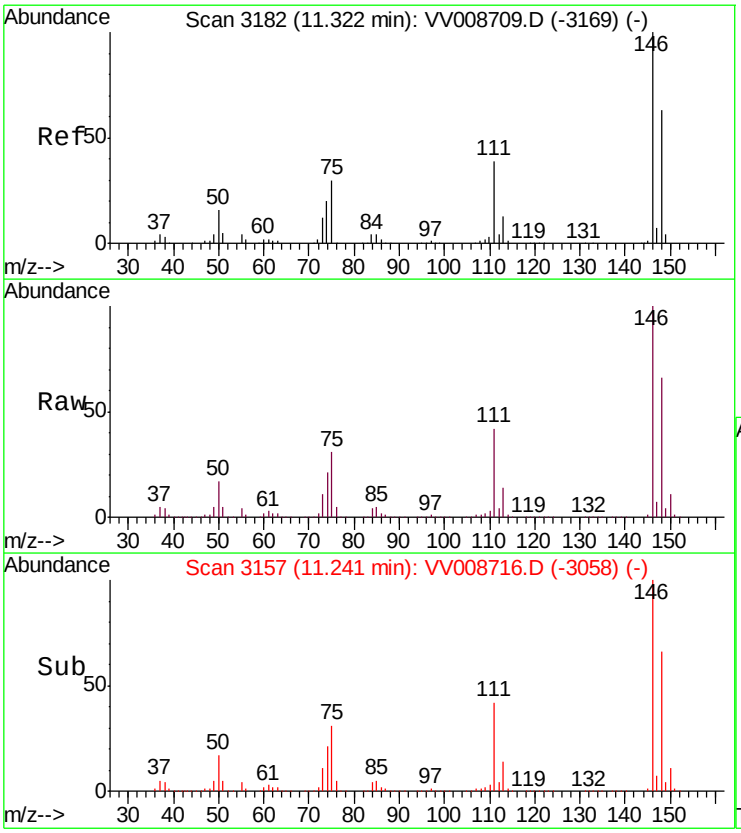
#62
1,3-Dichlorobenzene
Concen: 1459.748 ug/L
RT: 11.24 min Scan# 3157
Delta R.T. 0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion:146 Resp: 7416827

Ion	Ratio	Lower	Upper
146	100		
111	42.5	27.9	51.7
148	65.7	42.7	79.3

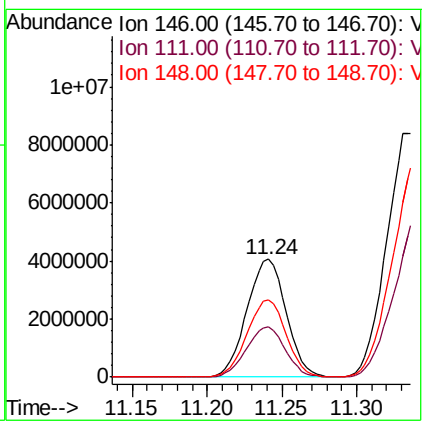


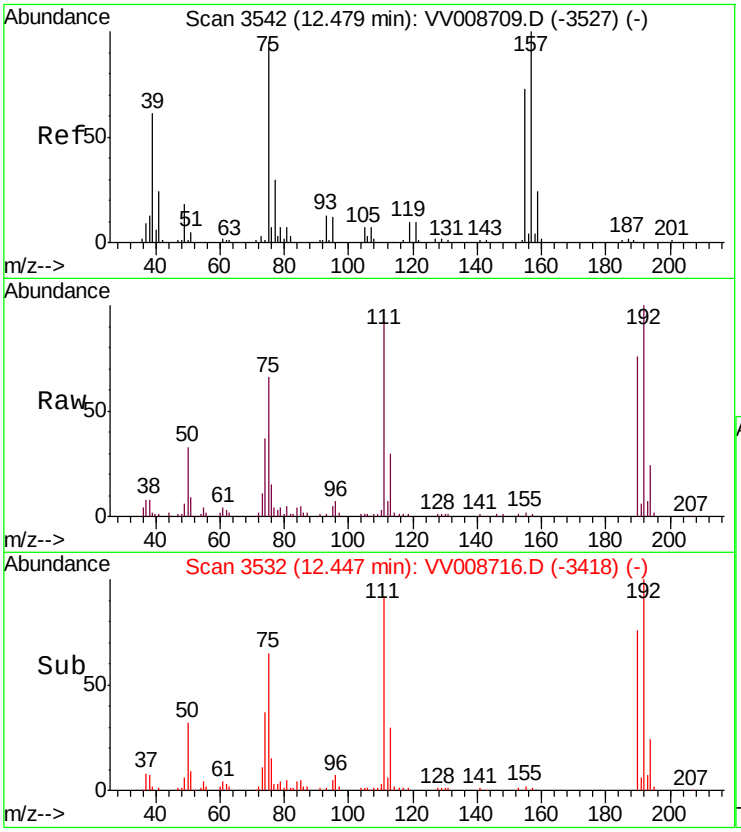


#63
1,4-Dichlorobenzene
Concen: 1432.307 ug/L
RT: 11.24 min Scan# 3157
Delta R.T. -0.08 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion:146 Resp: 7416827

Ion	Ratio	Lower	Upper
146	100		
111	42.5	27.7	51.5
148	65.7	46.4	86.2



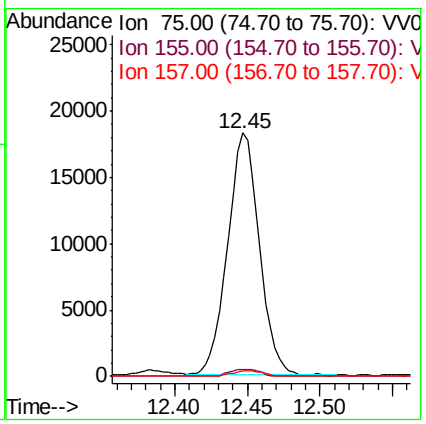


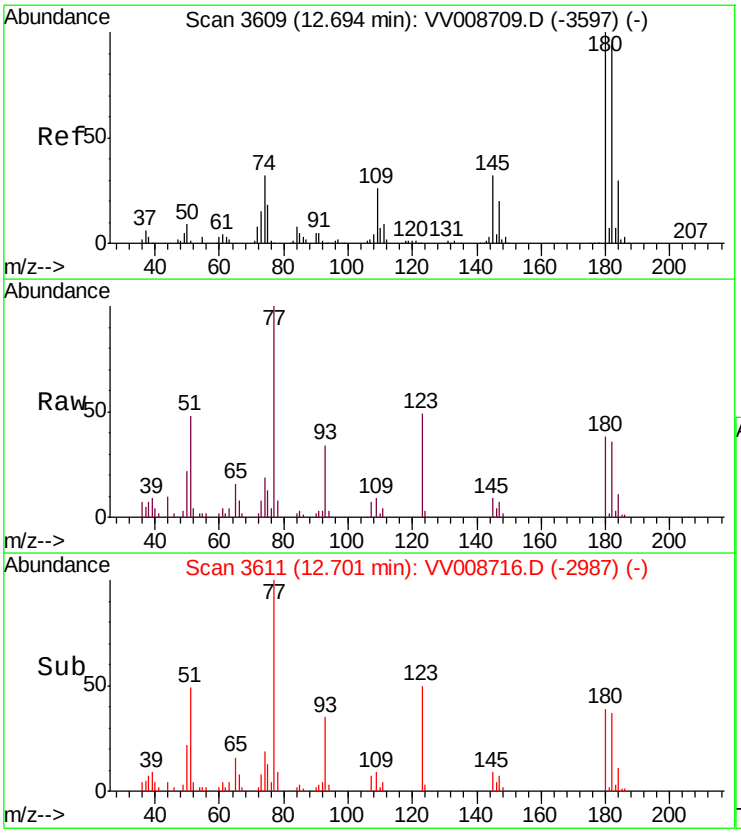
#66
1,2-Dibromo-3-chloropropane
Concen: 32.520 ug/L
RT: 12.45 min Scan# 3532
Delta R.T. -0.03 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument : MSVOA_V
ClientSampleId : C0928

Tgt Ion: 75 Resp: 27616

Ion	Ratio	Lower	Upper
75	100		
155	2.9	64.4	96.6#
157	2.1	83.7	125.5#

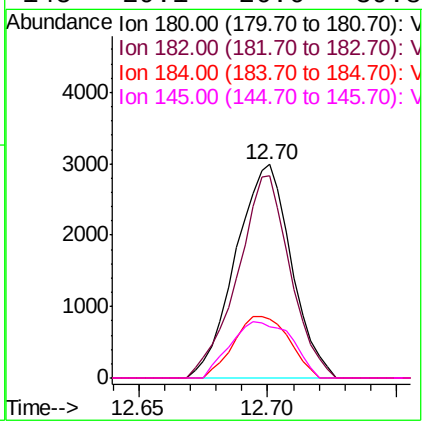


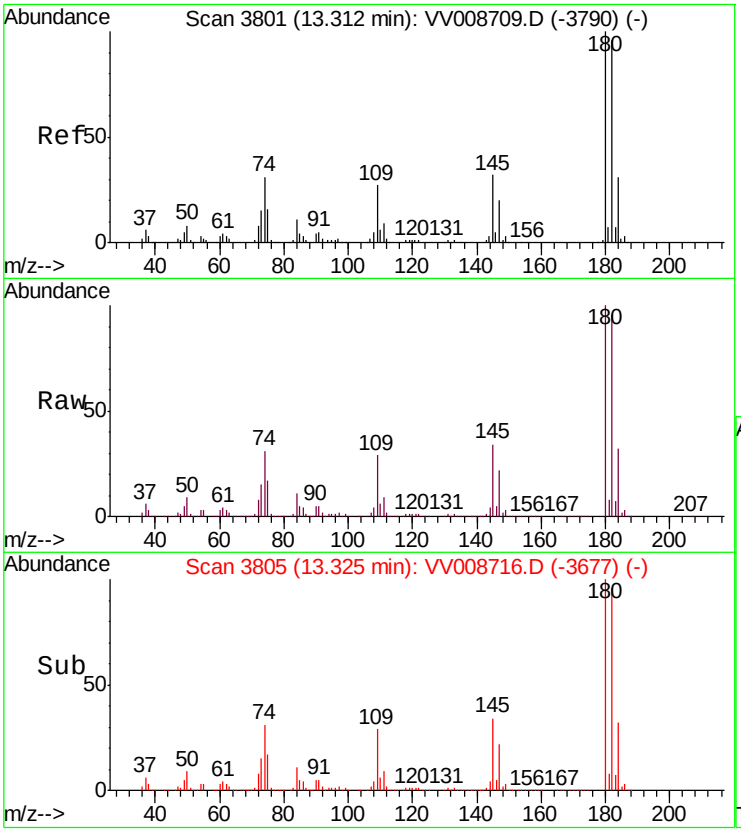


#67
1,3,5-Trichlorobenzene
Concen: 1.275 ug/L
RT: 12.70 min Scan# 3611
Delta R.T. 0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion:180 Resp: 4509

Ion	Ratio	Lower	Upper
180	100		
182	89.6	73.2	109.8
184	28.7	23.6	35.4
145	29.1	26.6	39.8



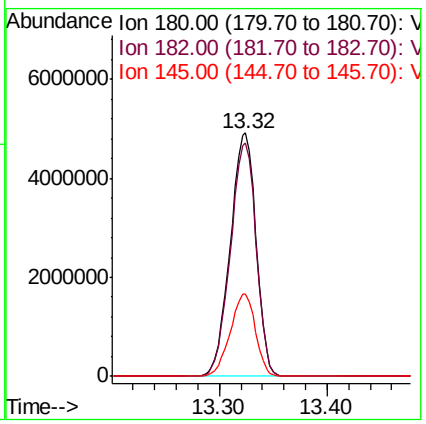


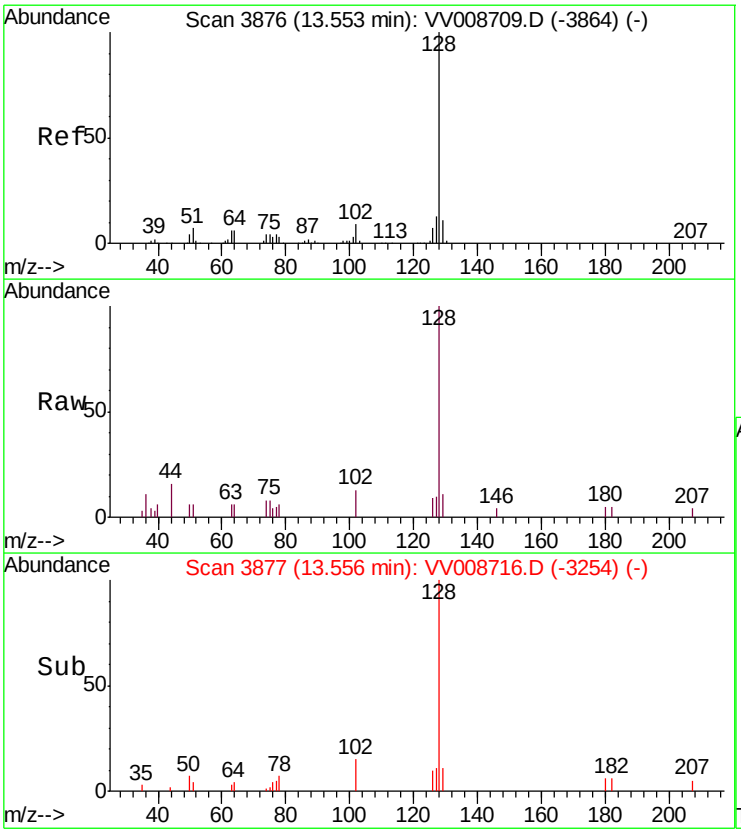
#68
1,2,4-trichlorobenzene
Concen: 3052.734 ug/L
RT: 13.32 min Scan# 3805
Delta R.T. 0.01 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument :
MSVOA_V
ClientSampleId :
C0928

Tgt Ion:180 Resp: 8194695

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
145	33.1	28.0	42.0

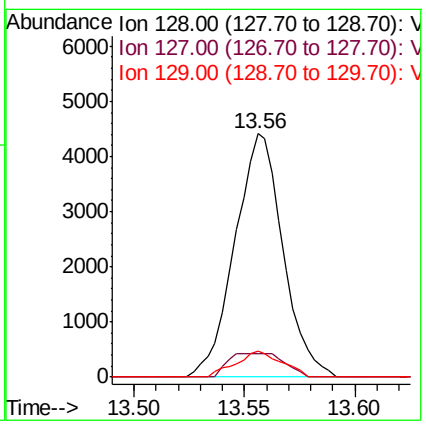


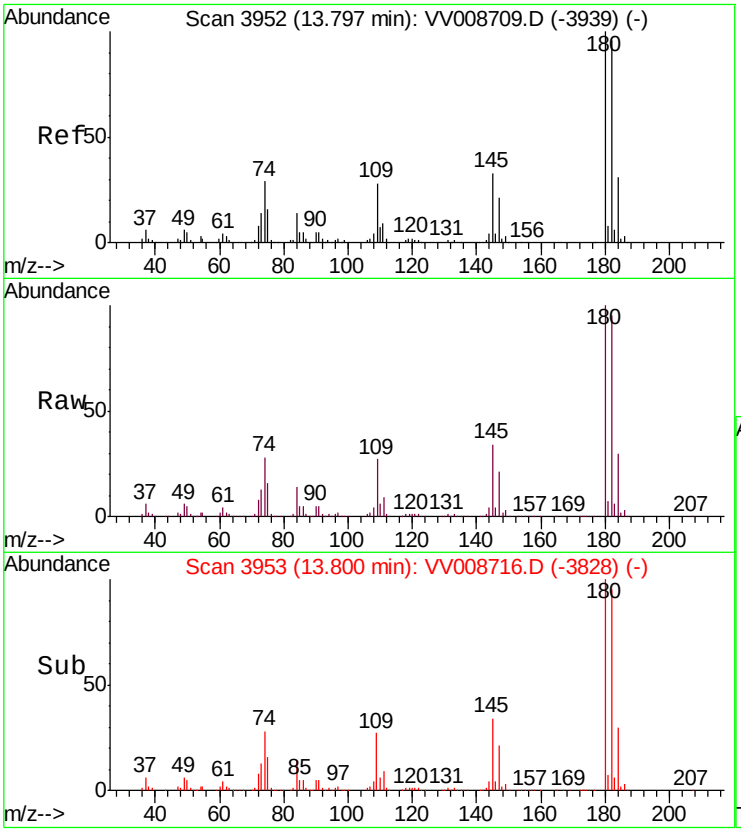


#69
Naphthalene
Concen: 0.875 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Tgt Ion:128 Resp: 6690

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.0#
129	10.2	8.9	13.3





#70
1,2,3-Trichlorobenzene
Concen: 716.562 ug/L
RT: 13.80 min Scan# 3953
Delta R.T. 0.00 min
Lab File: VV008716.D
Acq: 26 Nov 2018 15:44

Instrument :
MSVOA_V
ClientSampleId :
C0928

Tgt Ion:180 Resp: 1977914

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.5	116.3
145	33.8	28.9	43.3