Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041619\
Data File : VW009997.D
Acq On : 16 Apr 2019 15:05
Operator : SY/VA
Sample : K2402-19
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Quant Time: Apr 16 15:29:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 16 01:53:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	675049	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	637398	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	311695	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	172586	27.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.24%			
7) Chloroethane-d5	2.89	69	148799	23.03	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.12%			
10) 1,1-Dichloroethene-d2	4.01	63	443189	25.05	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 100.20%			
20) 2-Butanone-d5	7.07	46	162108	46.98	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.96%			
24) Chloroform-d	7.65	84	413704	21.20	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.80%			
26) 1,2-Dichloroethane-d4	8.31	65	260663	21.53	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.12%			
29) Benzene-d6	8.27	84	823294	23.50	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.00%			
33) 1,2-Dichloropropane-d6	9.27	67	253843	22.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.00%			
37) Toluene-d8	10.32	98	748309	23.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.68%			
38) trans-1,3-Dichloropropene-	10.58	79	125392	23.70	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.80%			
39) 2-Hexanone-d5	10.93	63	126854	51.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.62%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	229356	21.98	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 87.92%			
61) 1,2-Dichlorobenzene-d4	13.86	152	257402	21.97	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.88%			
Target Compounds						Qvalue
3) Chloromethane	2.21	50	167528	19.406	ug/L	100
6) Bromomethane	2.78	94	56470	9.416	ug/L	99
9) Trichlorofluoromethane	3.26	101	98691	14.762	ug/L	100
12) 1,1-Dichloroethene	4.04	96	192091	23.570	ug/L	90
13) Acetone	4.12	43	229128	74.668	ug/L	98
15) Methyl Acetate	4.67	43	238074	38.439	ug/L	100
16) Methylene chloride	4.91	84	126951	10.386	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	363768	30.498	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	98627	10.693	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	254927	25.468	ug/L	98
23) Bromochloromethane	7.51	128	67200	14.416	ug/L	94
27) 1,2-Dichloroethane	8.40	62	140507	9.701	ug/L	99
30) Cyclohexane	7.95	56	166460	11.555	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	149321	11.217	ug/L	99
32) Carbon tetrachloride	8.06	117	176530	13.507	ug/L	100
35) Trichloroethene	9.09	95	410248	42.021	ug/L	99
36) Methylcyclohexane	9.34	83	453920	28.938	ug/L	99

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041619\
Data File : VW009997.D
Acq On : 16 Apr 2019 15:05
Operator : SY/VA
Sample : K2402-19
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Quant Time: Apr 16 15:29:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 16 01:53:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
40) 1,2-Dichloropropane	9.37	63	130293	13.121 ug/L	99
41) Bromodichloromethane	9.64	83	265163	19.559 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	267644	17.482 ug/L	97
44) Toluene	10.39	91	853954	21.437 ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	115738	8.562 ug/L	97
47) Tetrachloroethene	10.86	164	316352	41.482 ug/L	99
49) 2-Hexanone	10.97	43	172223	29.641 ug/L	95
50) Dibromochloromethane	11.13	129	177201	19.276 ug/L	97
53) Ethylbenzene	11.73	91	699854	15.719 ug/L	98
54) m,p-Xylene	11.85	106	173265	10.639 ug/L	96
55) o-xylene	12.17	106	201754	12.917 ug/L	99
57) Isopropylbenzene	12.47	105	553576	13.306 ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	385886	20.491 ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	187580	10.152 ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	36455	19.495 ug/L	95

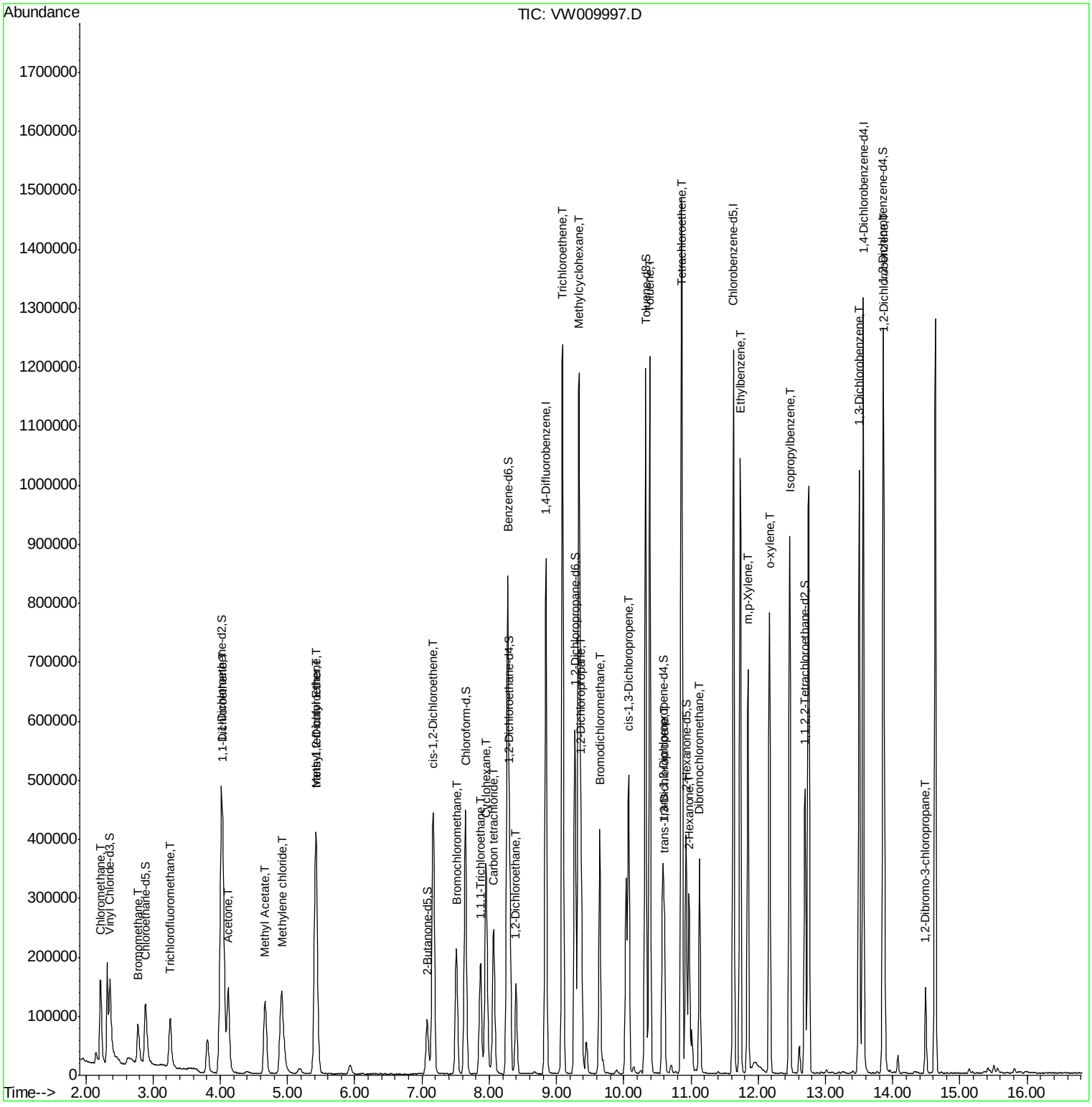
(#) = qualifier out of range (m) = manual integration (+) = signals summed

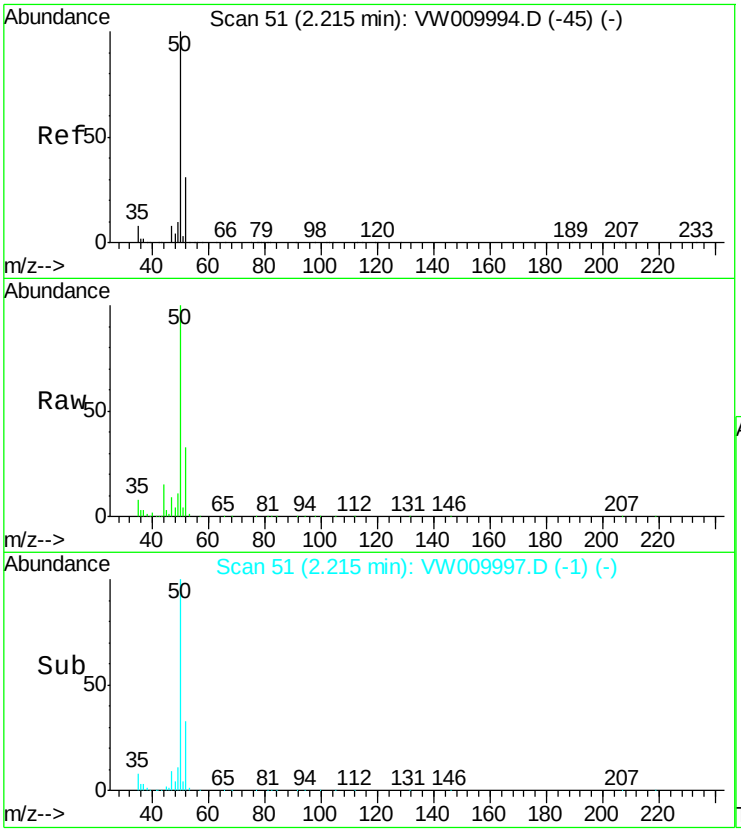
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041619\
Data File : VW009997.D
Acq On : 16 Apr 2019 15:05
Operator : SY/VA
Sample : K2402-19
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Quant Time: Apr 16 15:29:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 16 01:53:26 2019
Response via : Initial Calibration



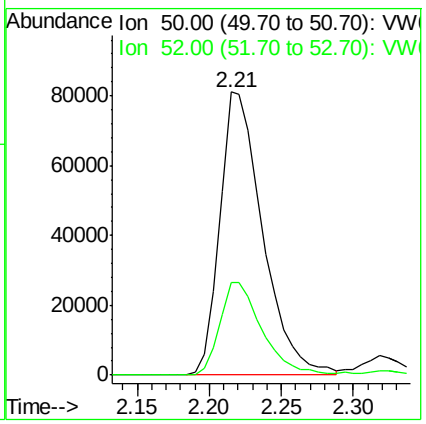


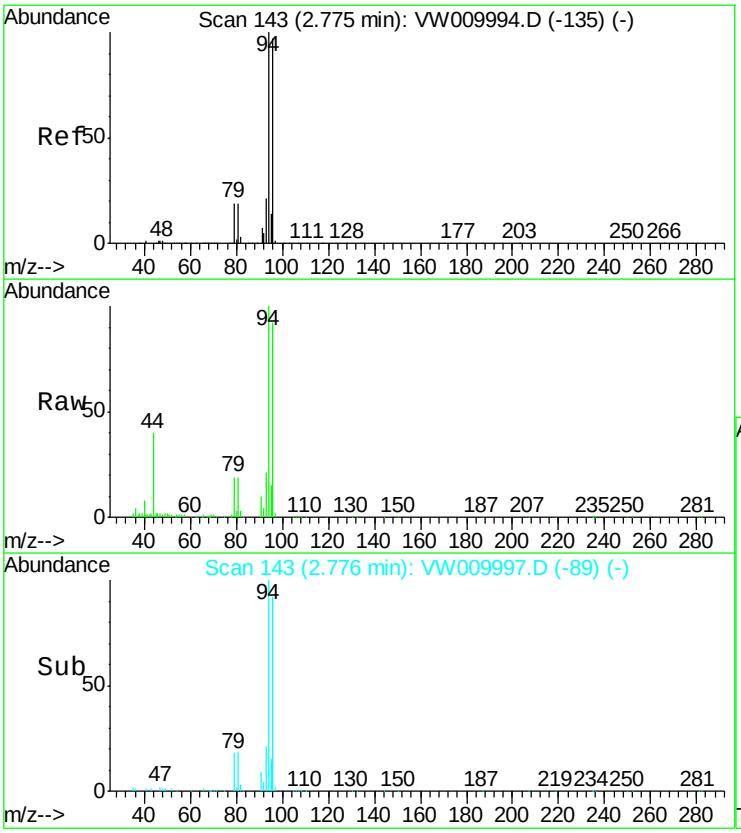
#3
Chloromethane
Concen: 19.406 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion: 50 Resp: 167528

Ion	Ratio	Lower	Upper
50	100		
52	32.5	22.7	42.1

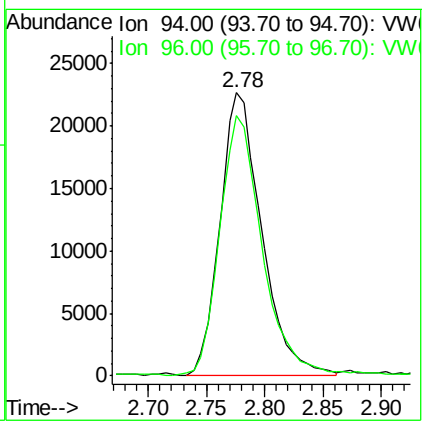


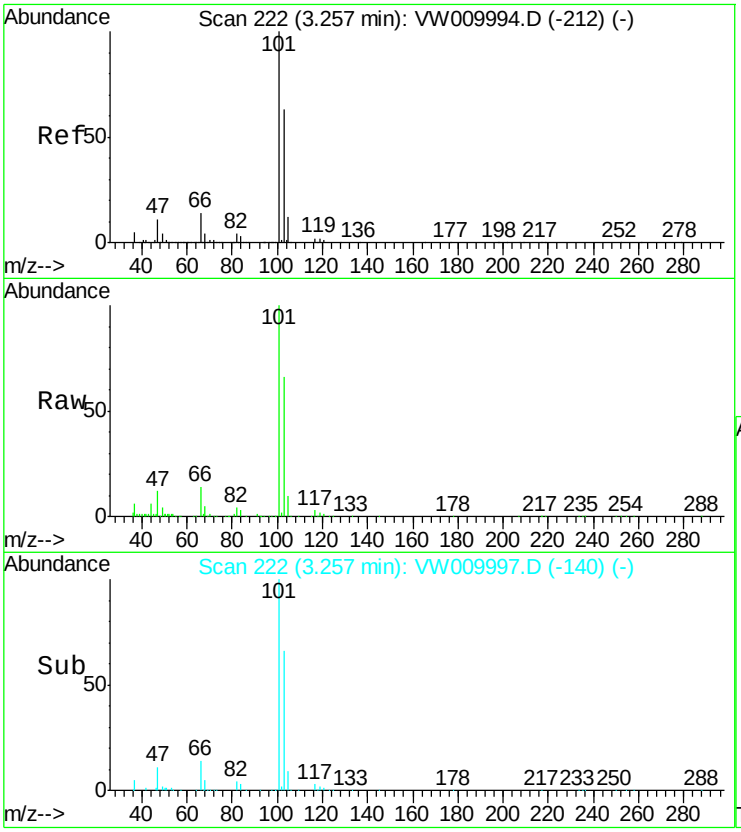


#6
Bromomethane
Concen: 9.416 ug/L
RT: 2.78 min Scan# 143
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 94 Resp: 56470

Ion	Ratio	Lower	Upper
94	100		
96	93.7	9.5	180.3



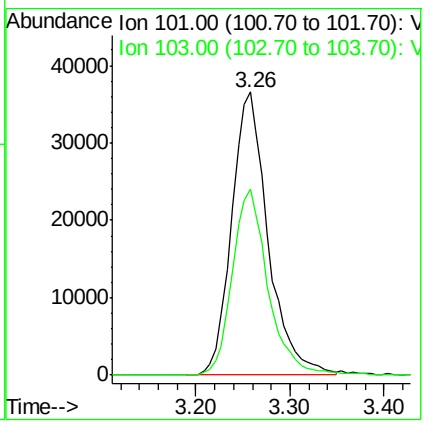


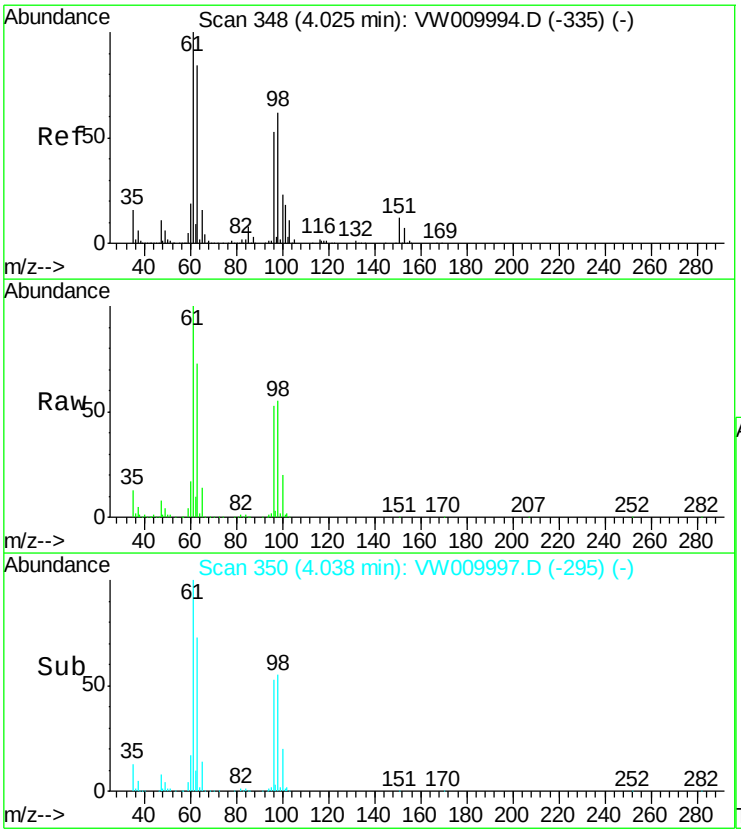
#9
Trichlorofluoromethane
Concen: 14.762 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion:101 Resp: 98691

Ion	Ratio	Lower	Upper
101	100		
103	63.5	44.5	82.7

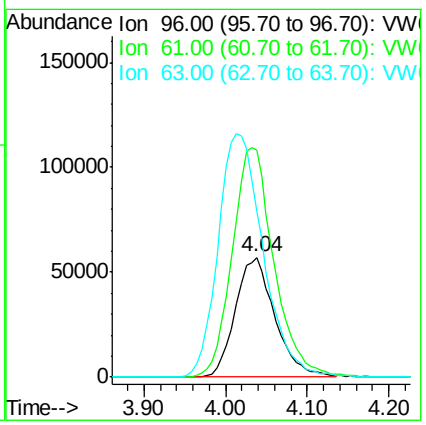


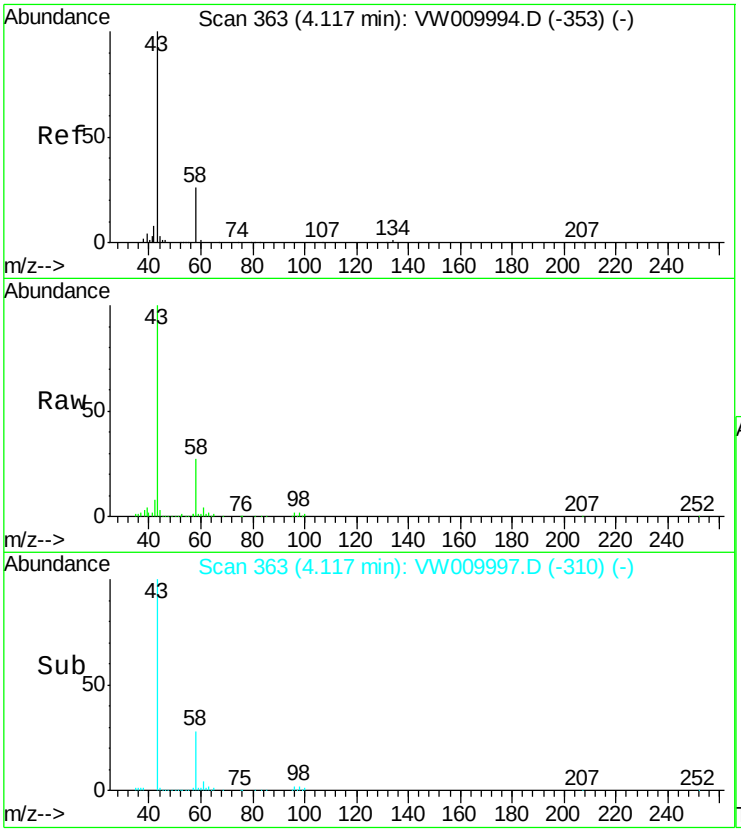


#12
1,1-Dichloroethene
Concen: 23.570 ug/L
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 96 Resp: 192091

Ion	Ratio	Lower	Upper
96	100		
61	190.3	131.2	243.6
63	138.3	113.9	211.5



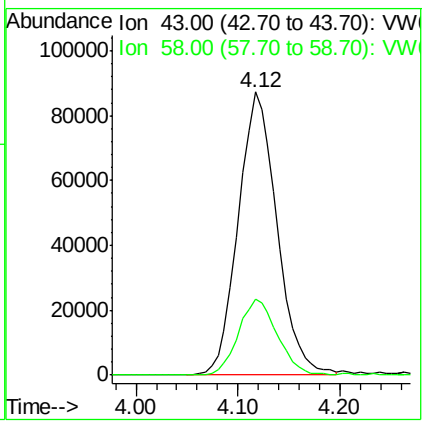


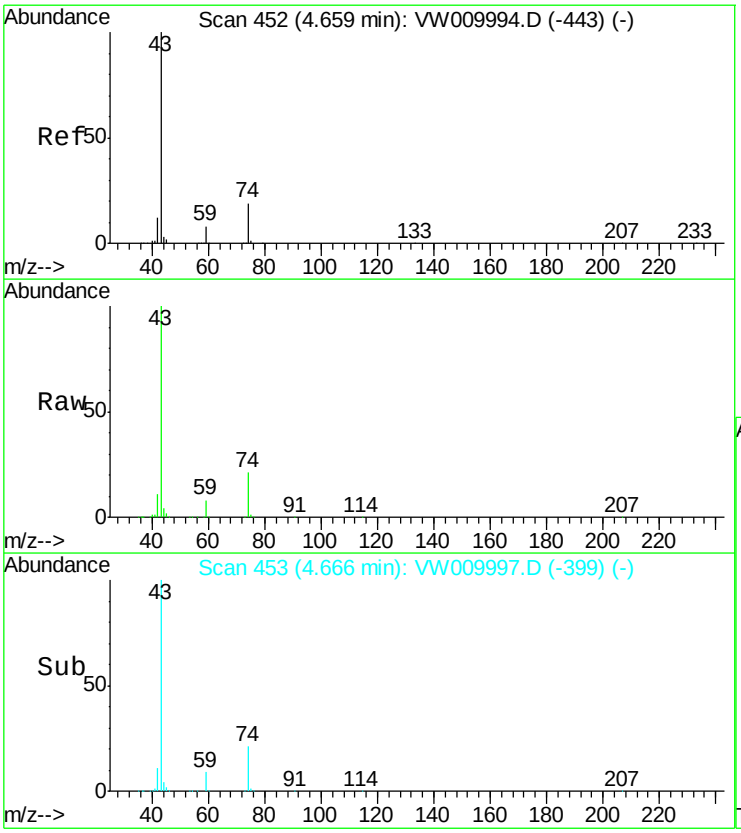
#13
Acetone
Concen: 74.668 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion: 43 Resp: 229128

Ion	Ratio	Lower	Upper
43	100		
58	27.3	0.0	56.2

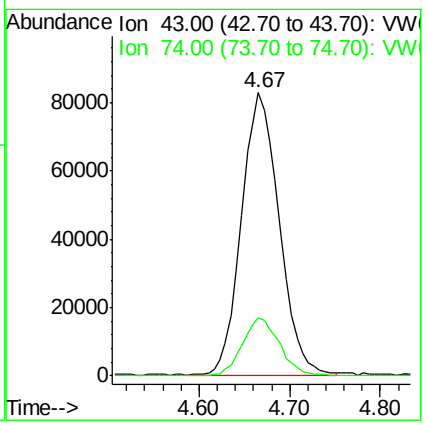


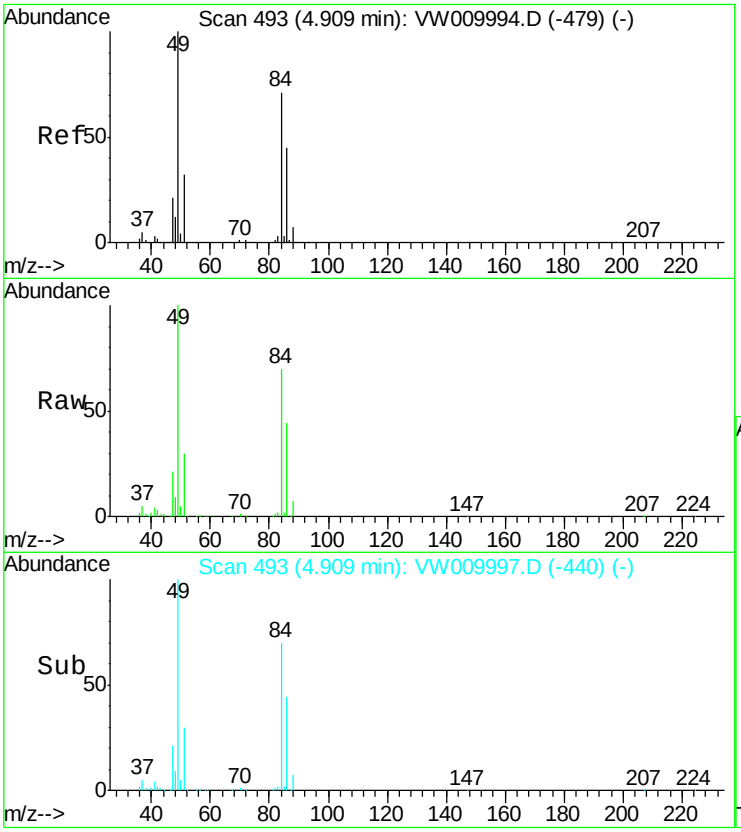


#15
Methyl Acetate
Concen: 38.439 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 43 Resp: 238074

Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.2	24.4



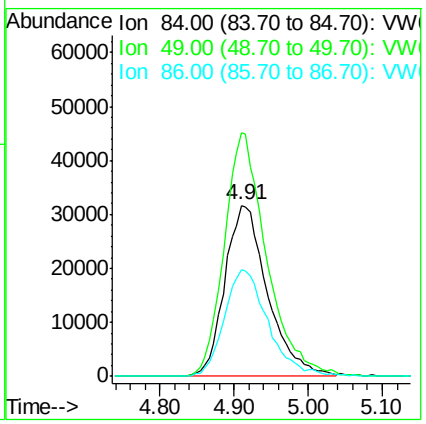


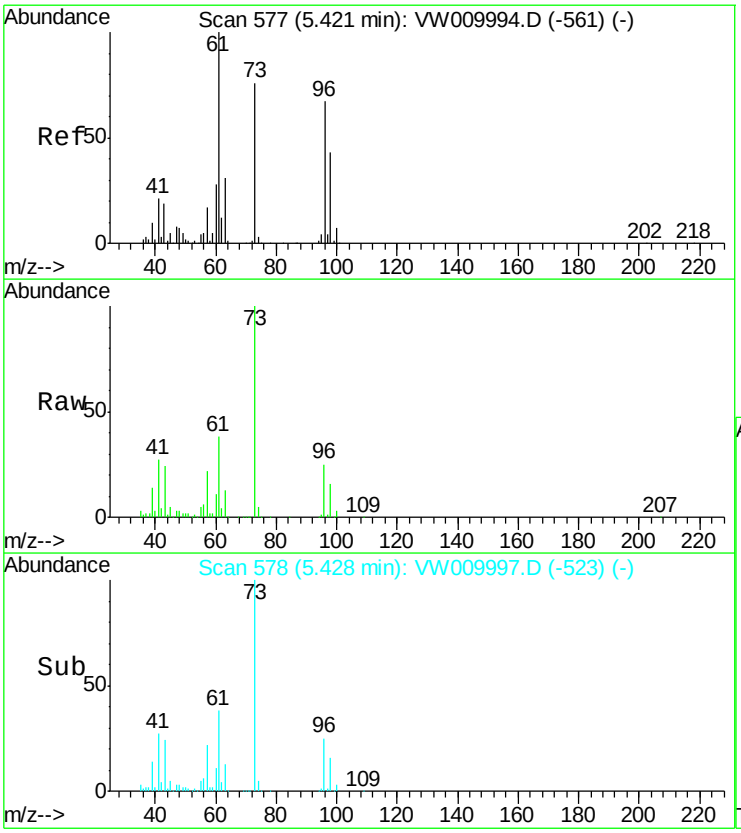
#16
Methylene chloride
Concen: 10.386 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion: 84 Resp: 126951

Ion	Ratio	Lower	Upper
84	100		
49	142.6	100.7	187.1
86	62.5	43.8	81.3

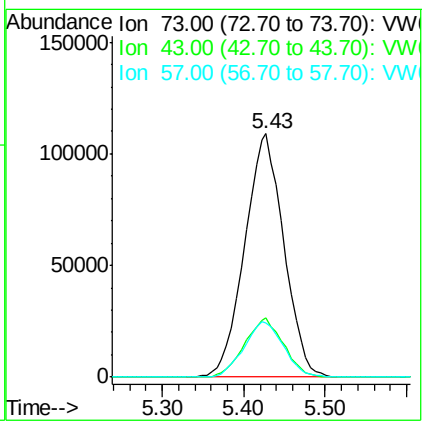


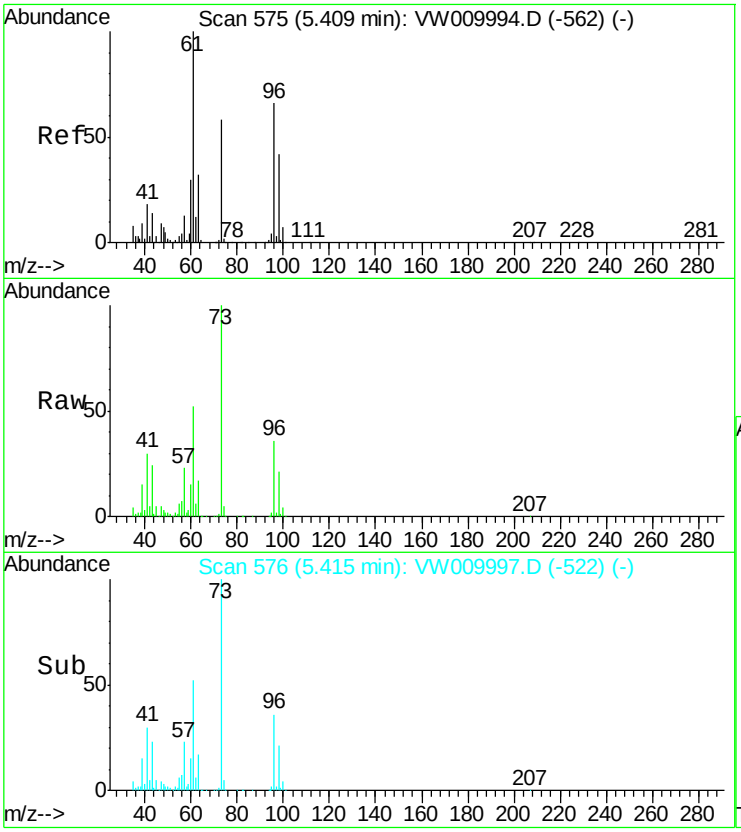


#17
Methyl tert-butyl Ether
Concen: 30.498 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 73 Resp: 363768

Ion	Ratio	Lower	Upper
73	100		
43	23.9	19.4	29.0
57	23.1	18.6	28.0



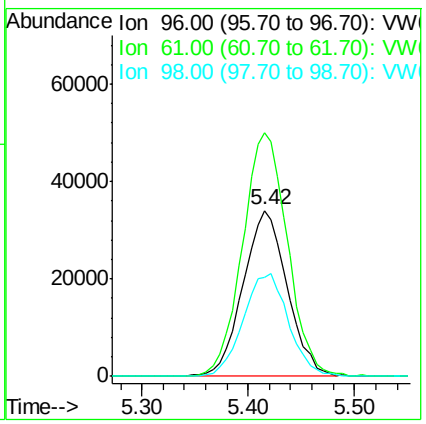


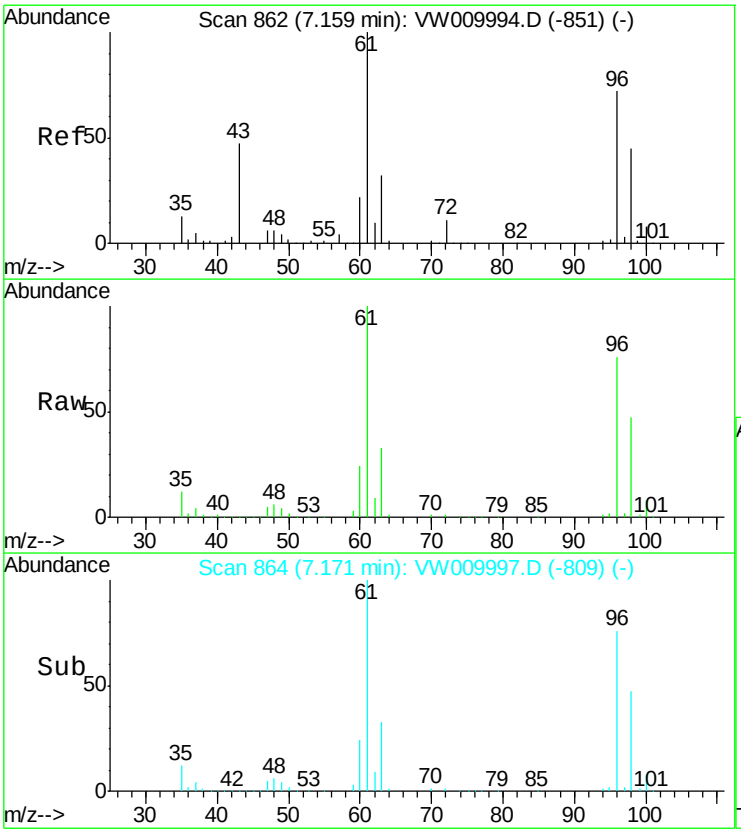
#18
trans-1,2-Dichloroethene
Concen: 10.693 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion: 96 Resp: 98627

Ion	Ratio	Lower	Upper
96	100		
61	147.0	104.9	194.9
98	59.9	44.1	81.9

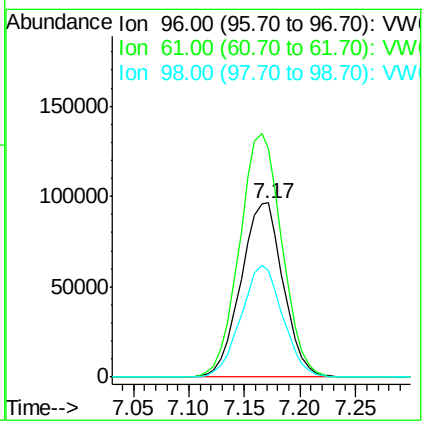


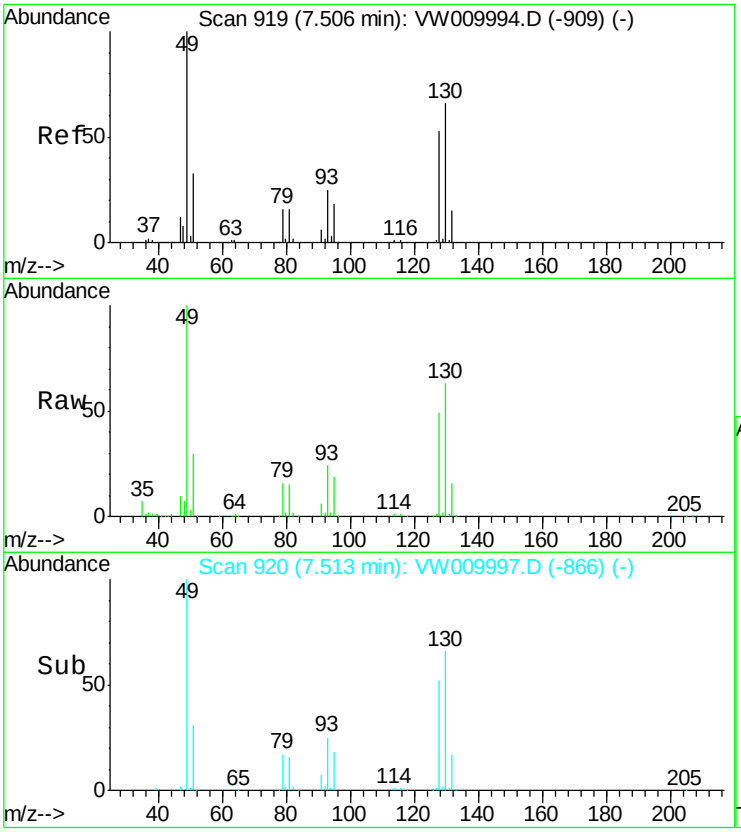


#22
cis-1,2-Dichloroethene
Concen: 25.468 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 96 Resp: 254927

Ion	Ratio	Lower	Upper
96	100		
61	131.2	94.7	175.9
98	61.5	42.8	79.6



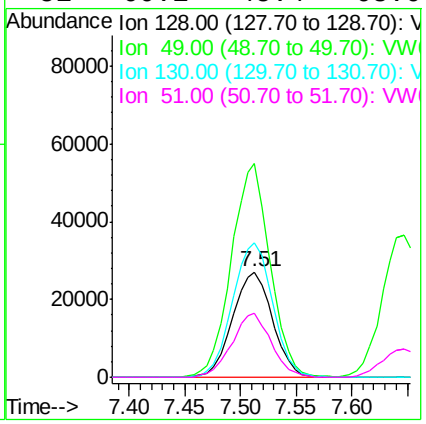


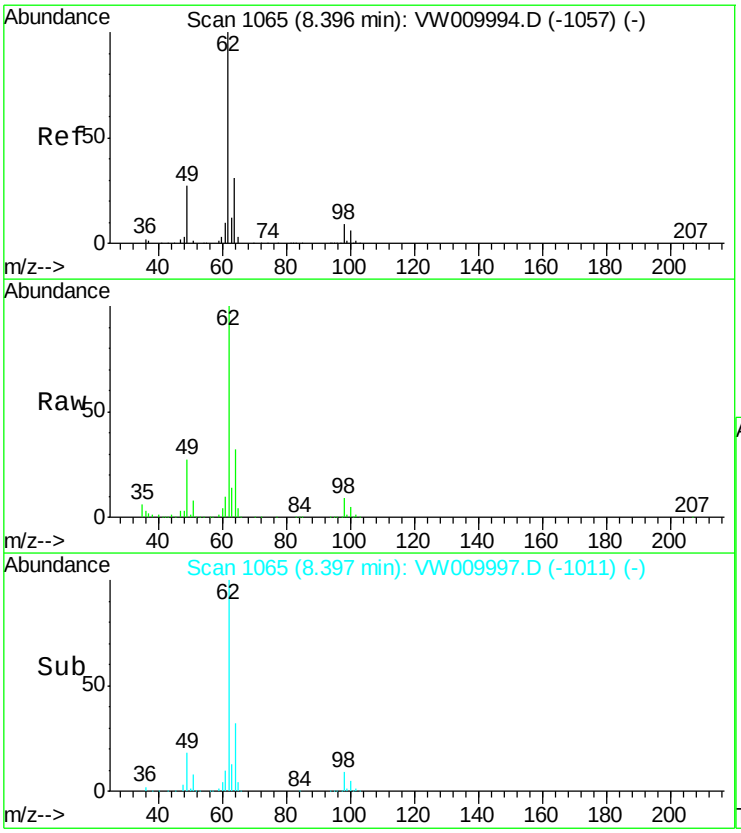
#23
Bromochloromethane
Concen: 14.416 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion:128 Resp: 67200

Ion	Ratio	Lower	Upper
128	100		
49	202.5	132.2	245.4
130	127.3	91.5	169.9
51	60.1	45.4	68.0

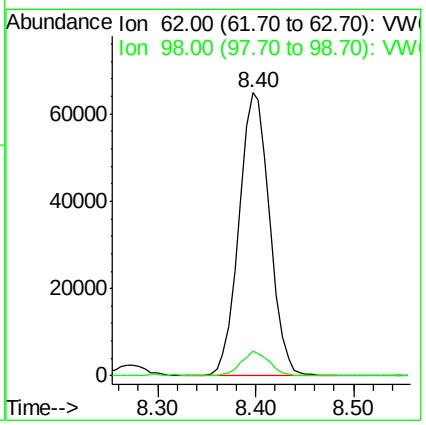


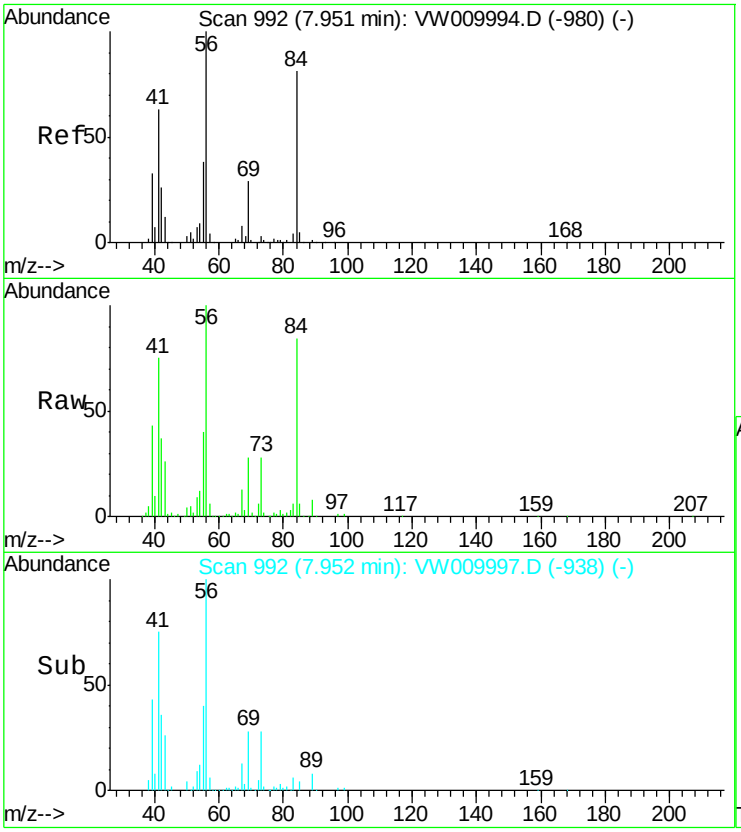


#27
1,2-Dichloroethane
Concen: 9.701 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 62 Resp: 140507

Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.6	10.0



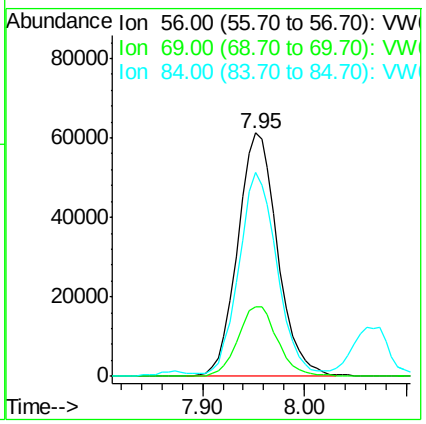


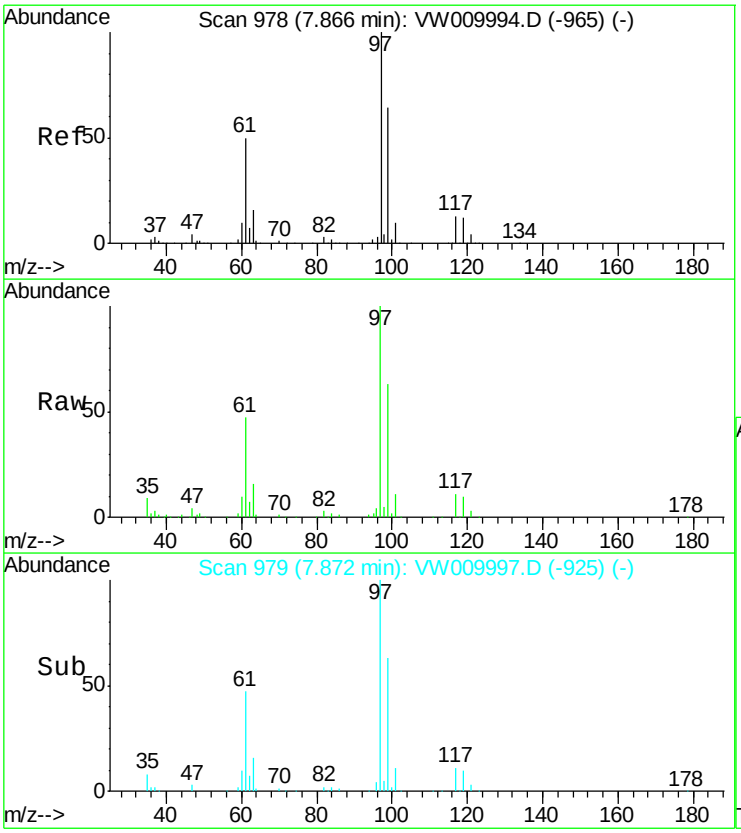
#30
Cyclohexane
Concen: 11.555 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion: 56 Resp: 166460

Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.4	35.0
84	80.8	65.5	98.3

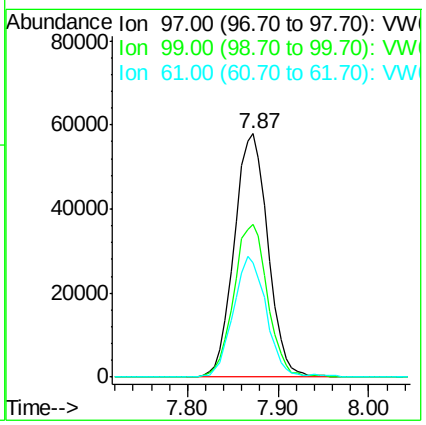


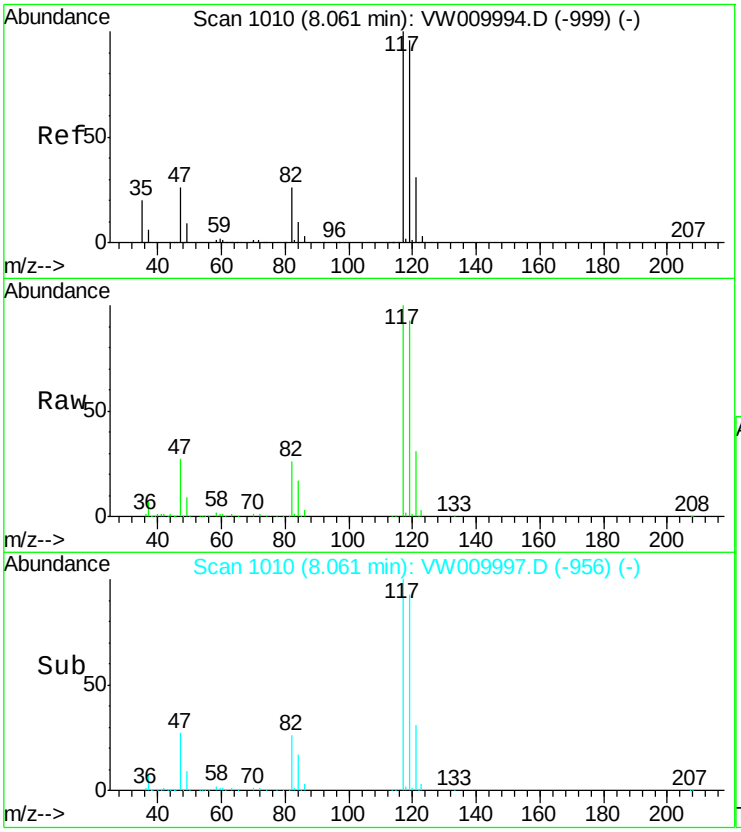


#31
1,1,1-Trichloroethane
Concen: 11.217 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 97 Resp: 149321

Ion	Ratio	Lower	Upper
97	100		
99	62.6	50.8	76.2
61	48.3	39.3	58.9



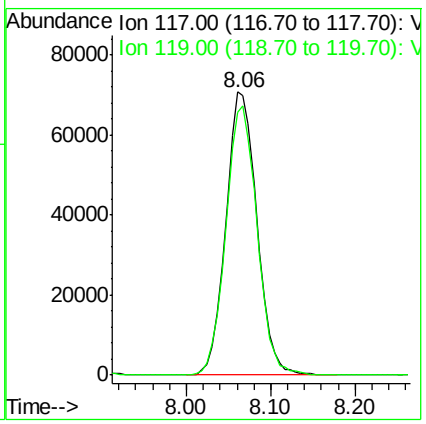


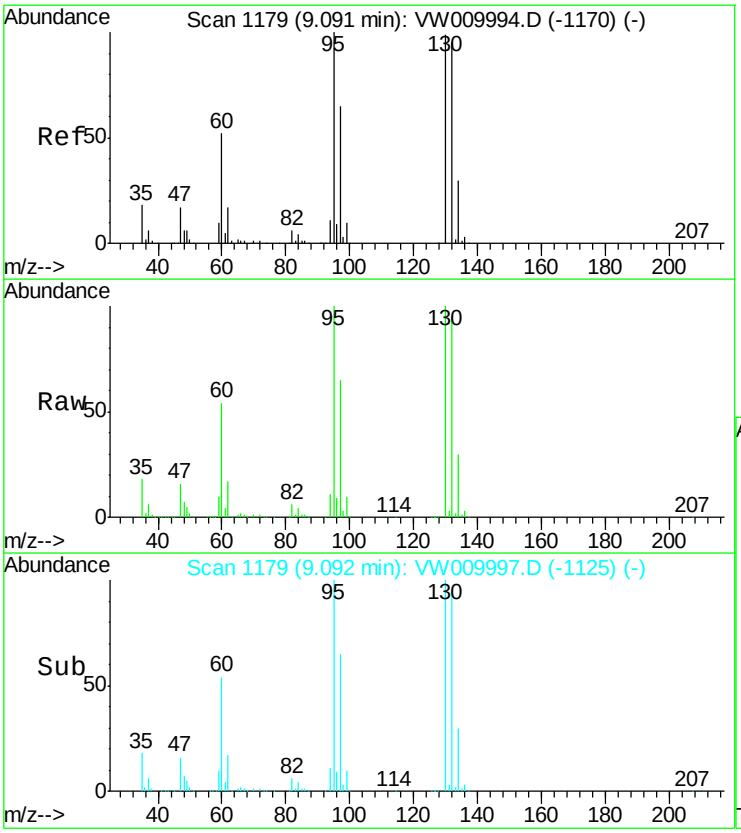
#32
Carbon tetrachloride
Concen: 13.507 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion:117 Resp: 176530

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.8	115.2

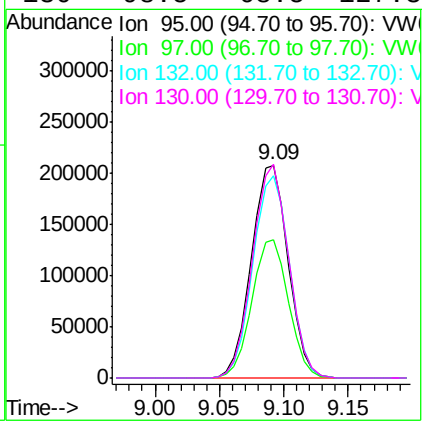


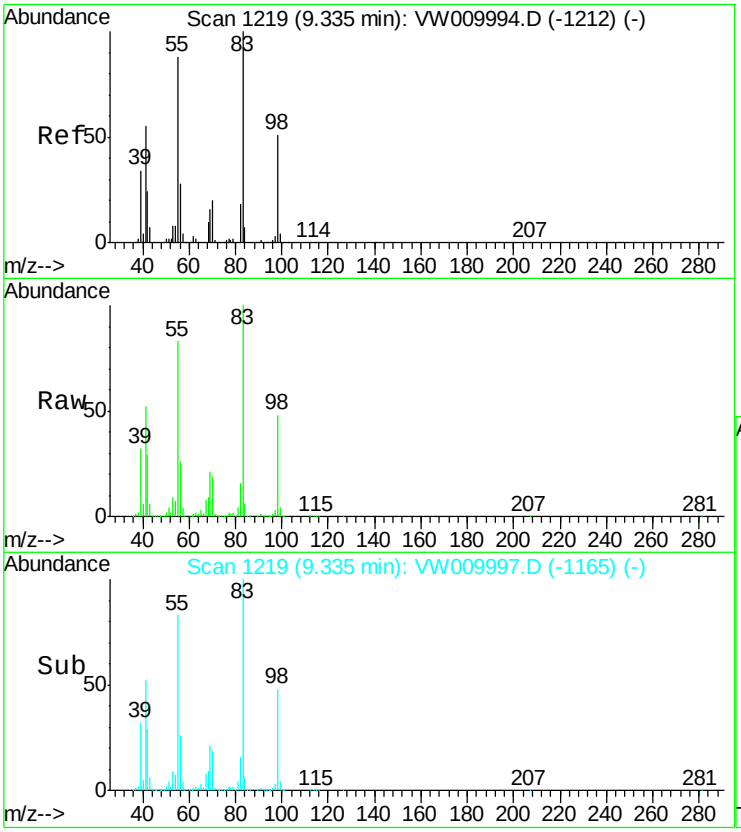


#35
Trichloroethene
Concen: 42.021 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 95 Resp: 410248

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.3	84.1
132	94.5	65.6	121.8
130	98.5	68.5	127.3



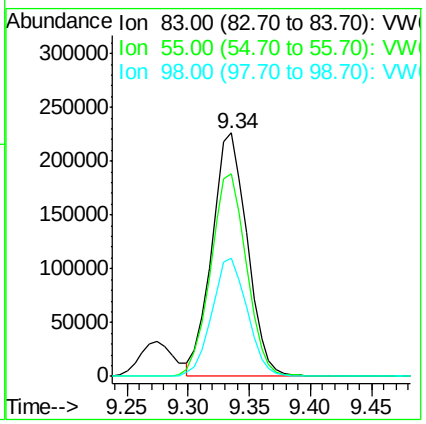


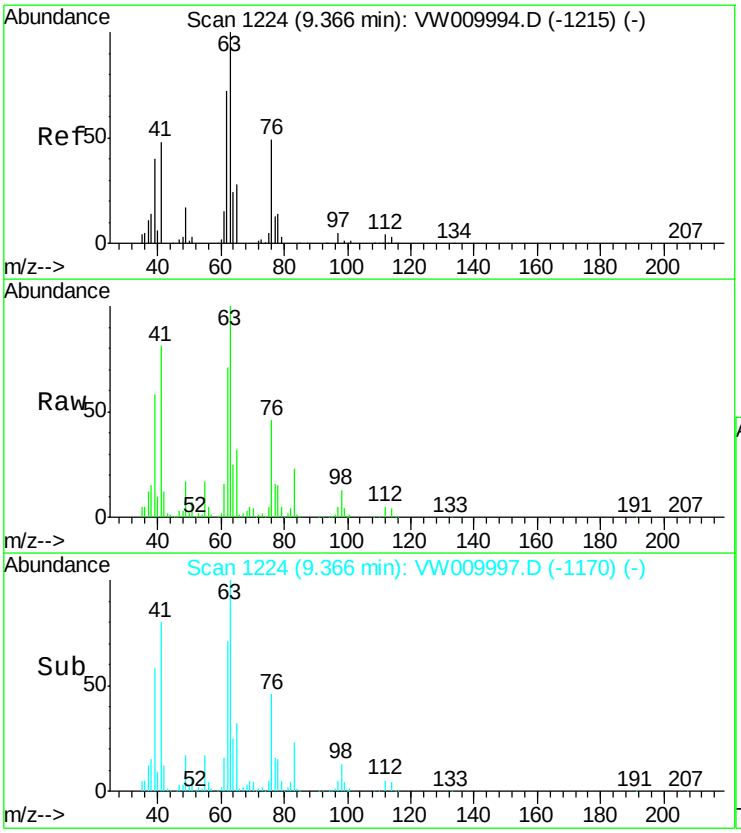
#36
Methylcyclohexane
Concen: 28.938 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion: 83 Resp: 453920

Ion	Ratio	Lower	Upper
83	100		
55	84.8	68.4	102.6
98	49.0	40.0	60.0

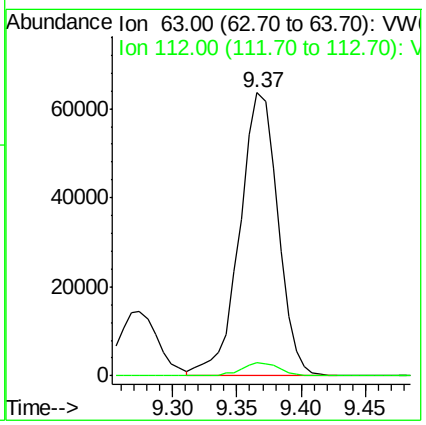


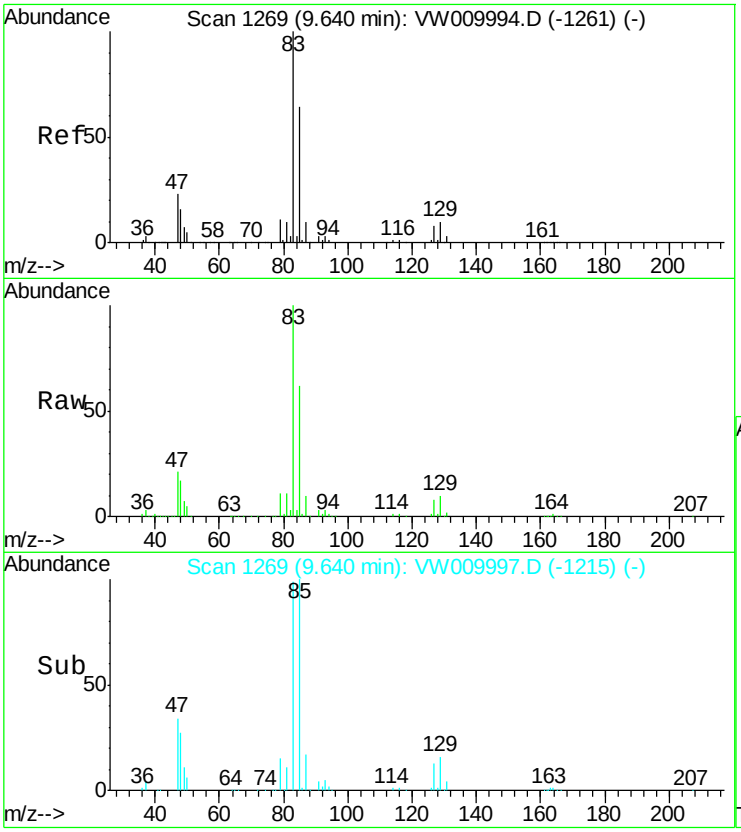


#40
1,2-Dichloropropane
Concen: 13.121 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 63 Resp: 130293

Ion	Ratio	Lower	Upper
63	100		
112	4.5	3.4	5.2



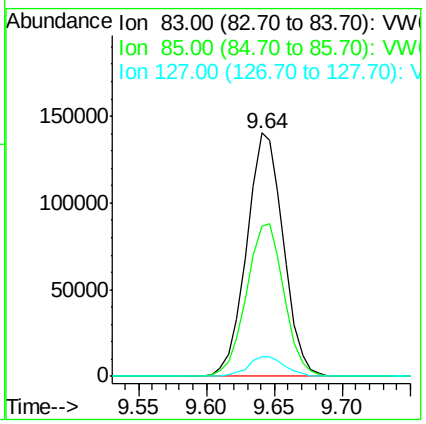


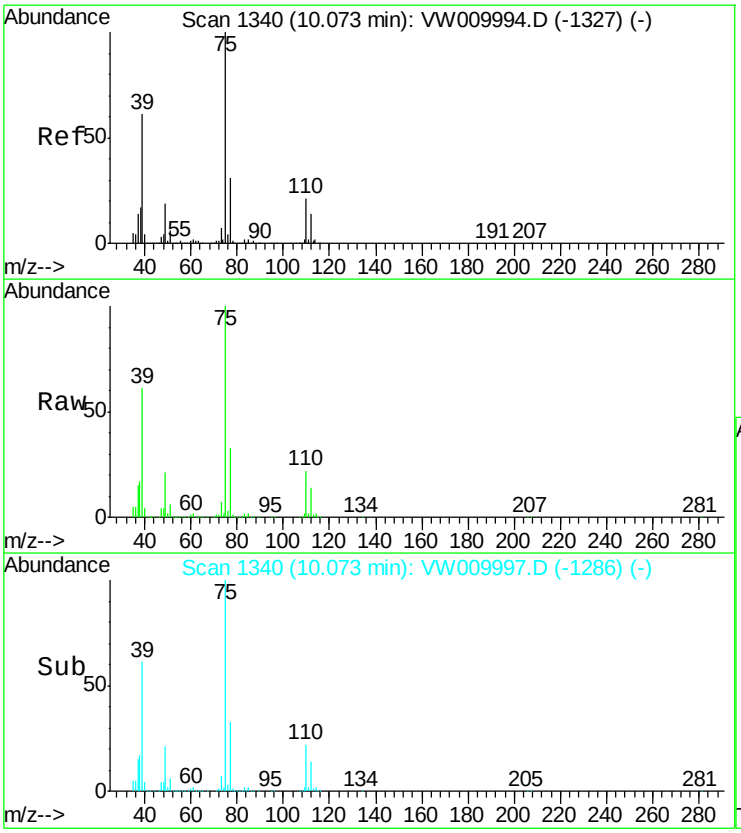
#41
Bromodichloromethane
Concen: 19.559 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion: 83 Resp: 265163

Ion	Ratio	Lower	Upper
83	100		
85	61.7	45.1	83.9
127	7.9	6.1	9.1

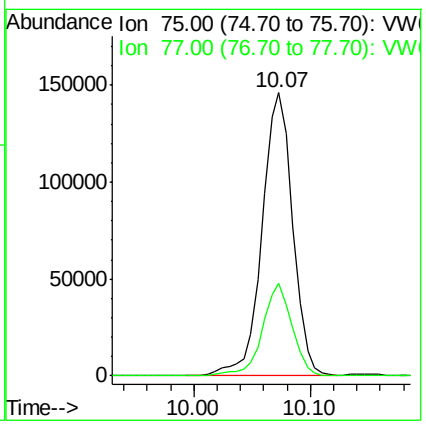


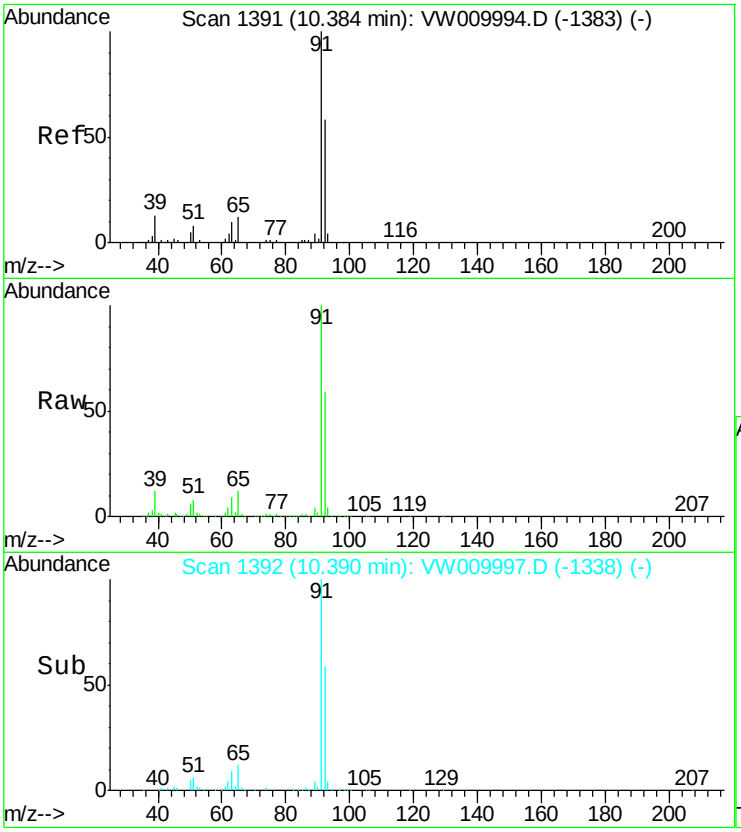


#42
cis-1,3-Dichloropropene
Concen: 17.482 ug/L
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 75 Resp: 267644

Ion	Ratio	Lower	Upper
75	100		
77	32.5	21.8	40.4



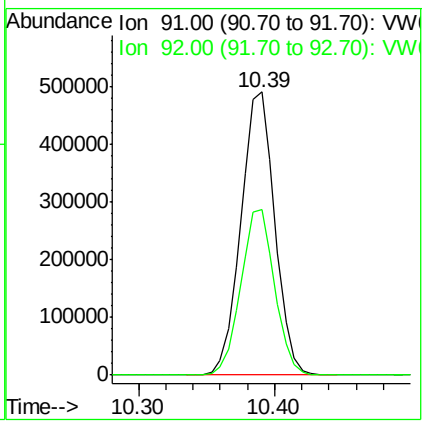


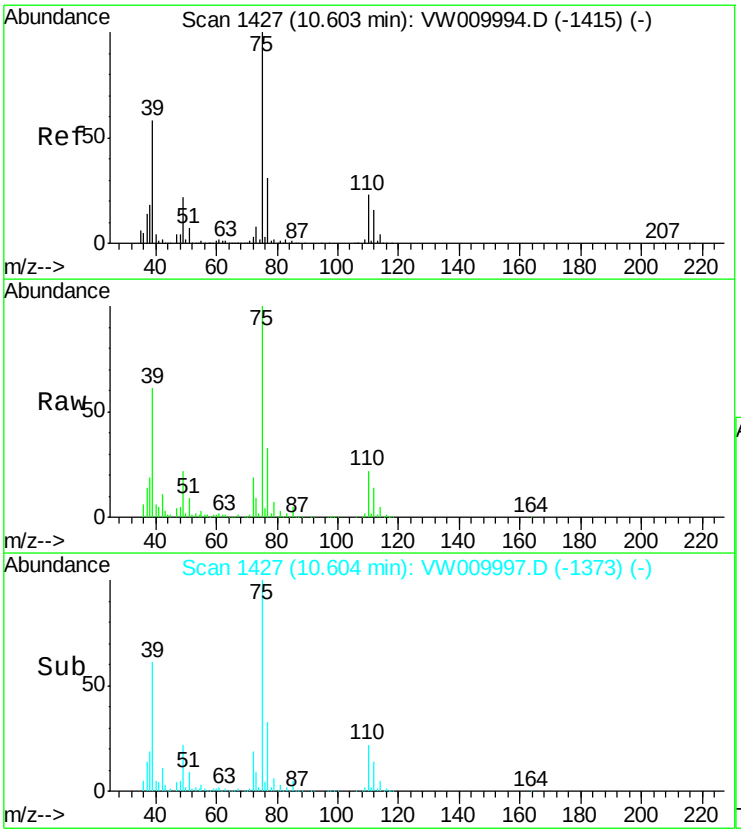
#44
Toluene
Concen: 21.437 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion: 91 Resp: 853954

Ion	Ratio	Lower	Upper
91	100		
92	58.7	39.8	74.0

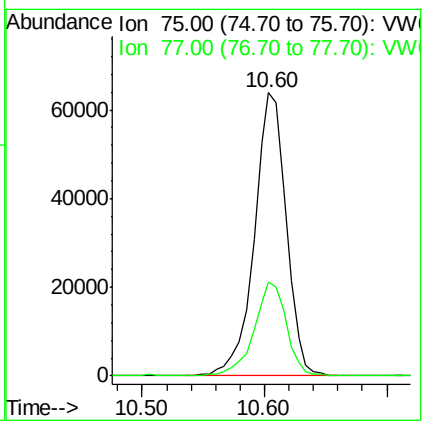


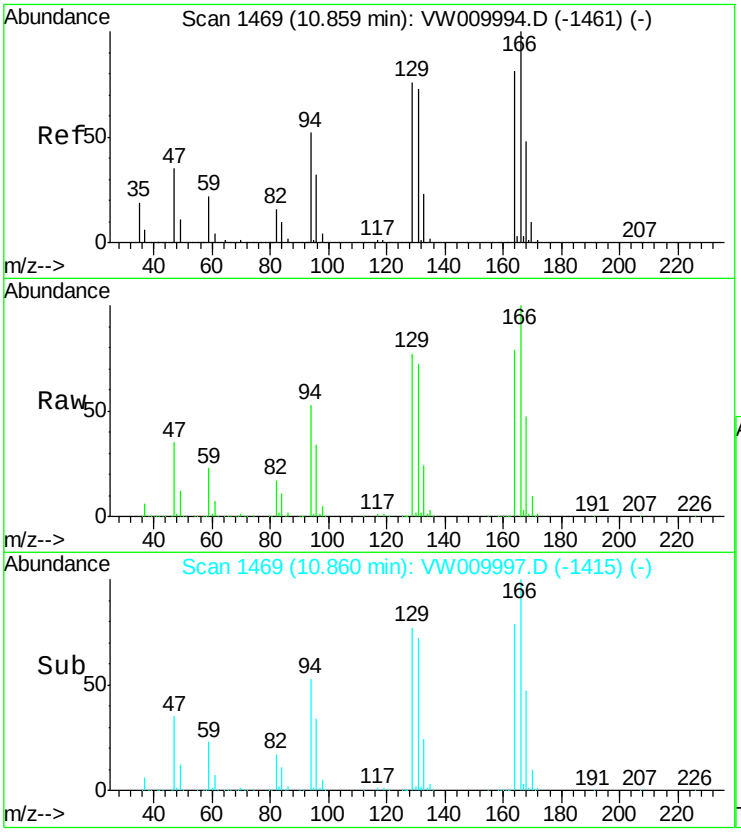


#45
trans-1,3-Dichloropropene
Concen: 8.562 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 75 Resp: 115738

Ion	Ratio	Lower	Upper
75	100		
77	33.3	22.0	41.0



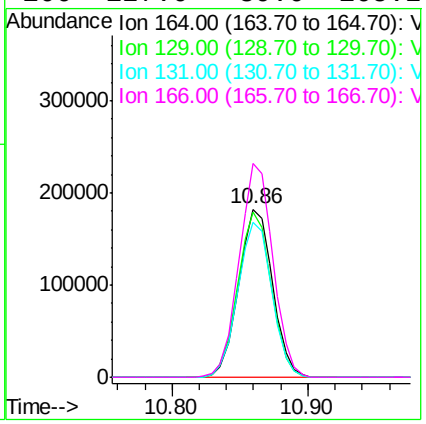


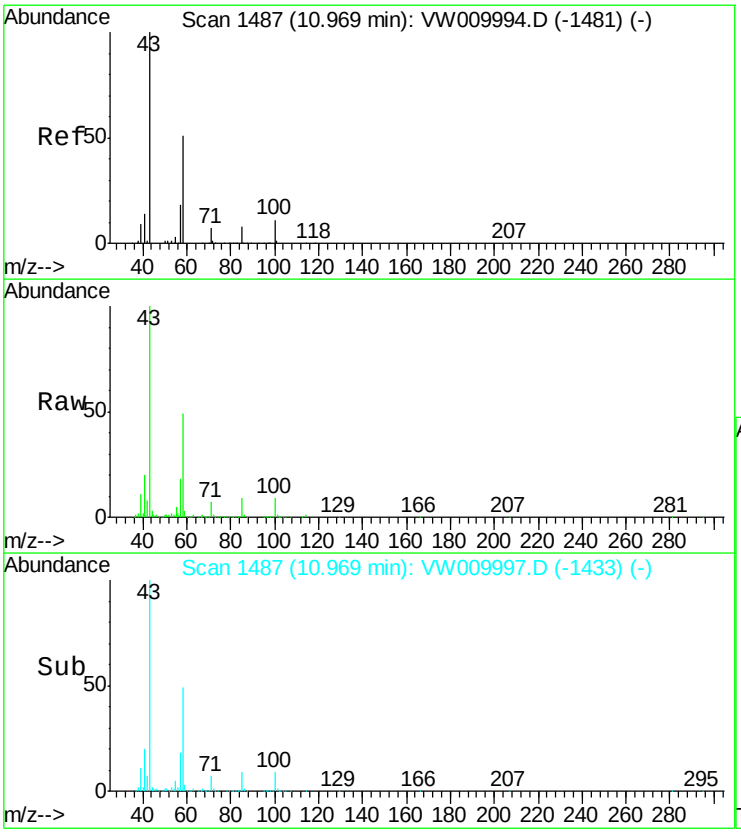
#47
Tetrachloroethene
Concen: 41.482 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion:164 Resp: 316352

Ion	Ratio	Lower	Upper
164	100		
129	98.4	66.8	124.2
131	91.8	65.2	121.0
166	127.0	89.0	165.2

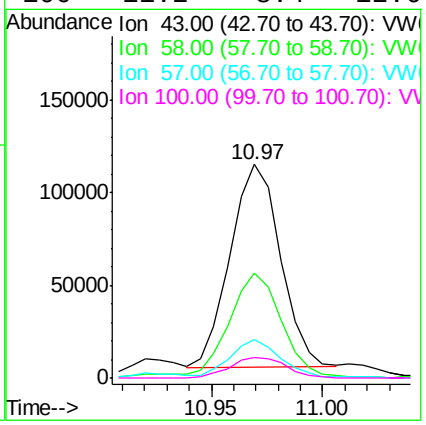


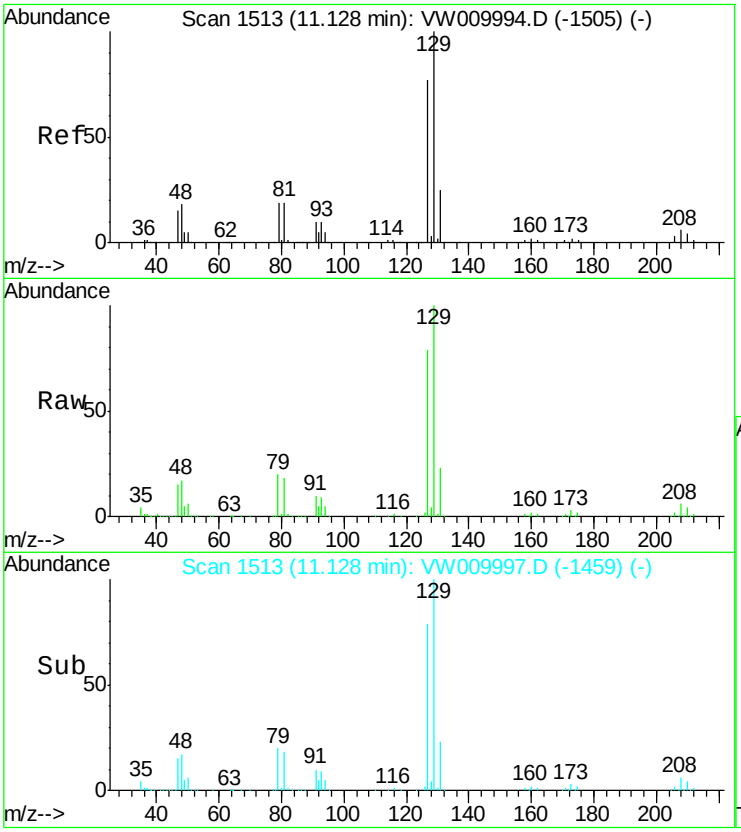


#49
2-Hexanone
Concen: 29.641 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 43 Resp: 172223

Ion	Ratio	Lower	Upper
43	100		
58	53.7	39.8	59.8
57	19.2	14.1	21.1
100	11.2	8.4	12.6



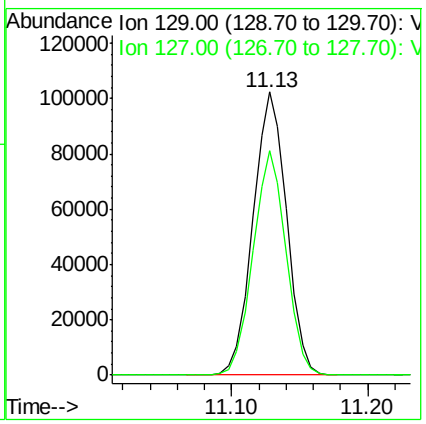


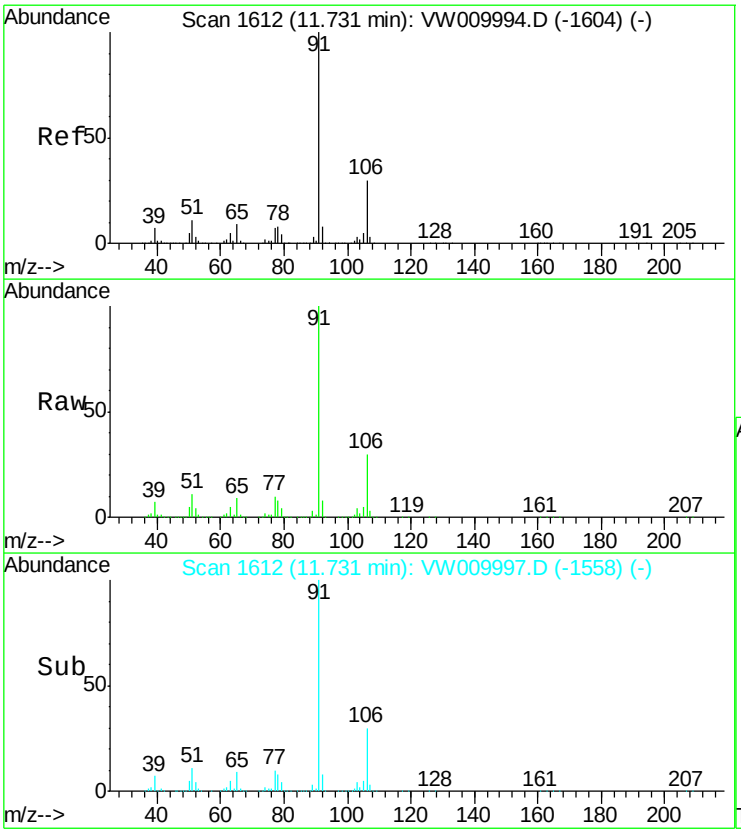
#50
Dibromochloromethane
Concen: 19.276 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion:129 Resp: 177201

Ion	Ratio	Lower	Upper
129	100		
127	79.3	53.5	99.3

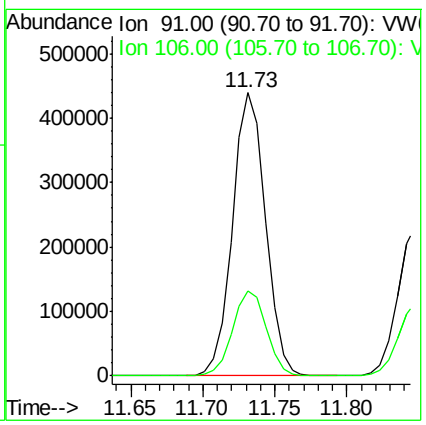


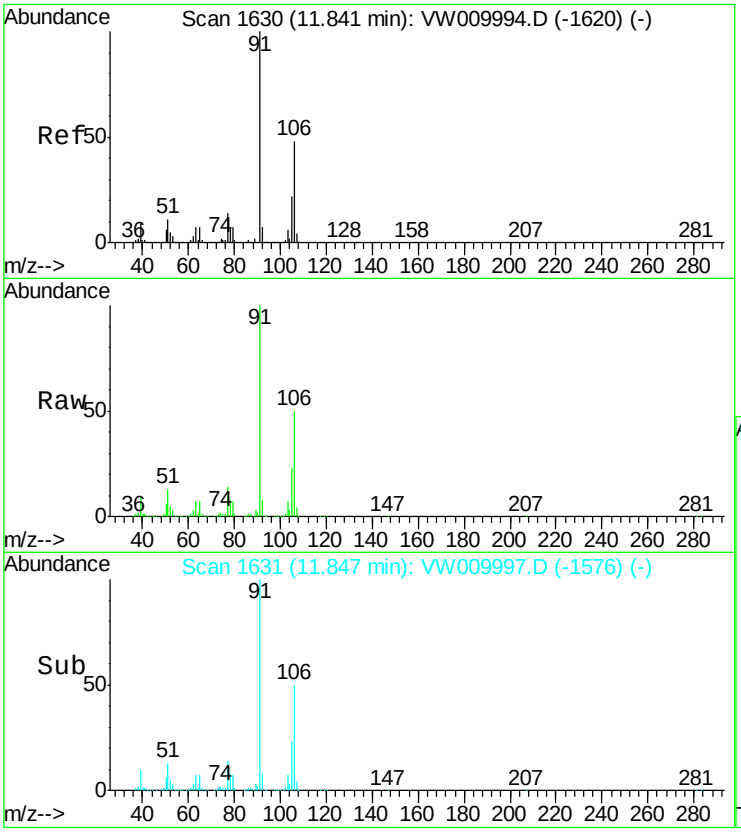


#53
Ethylbenzene
Concen: 15.719 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 91 Resp: 699854

Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.8	40.4



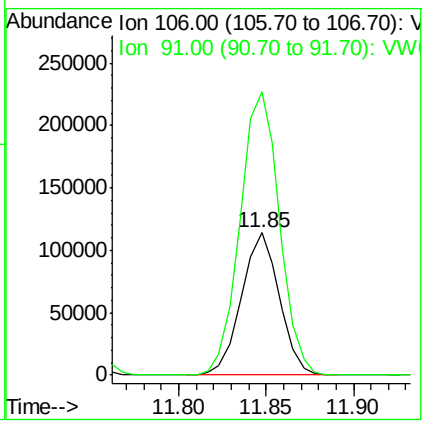


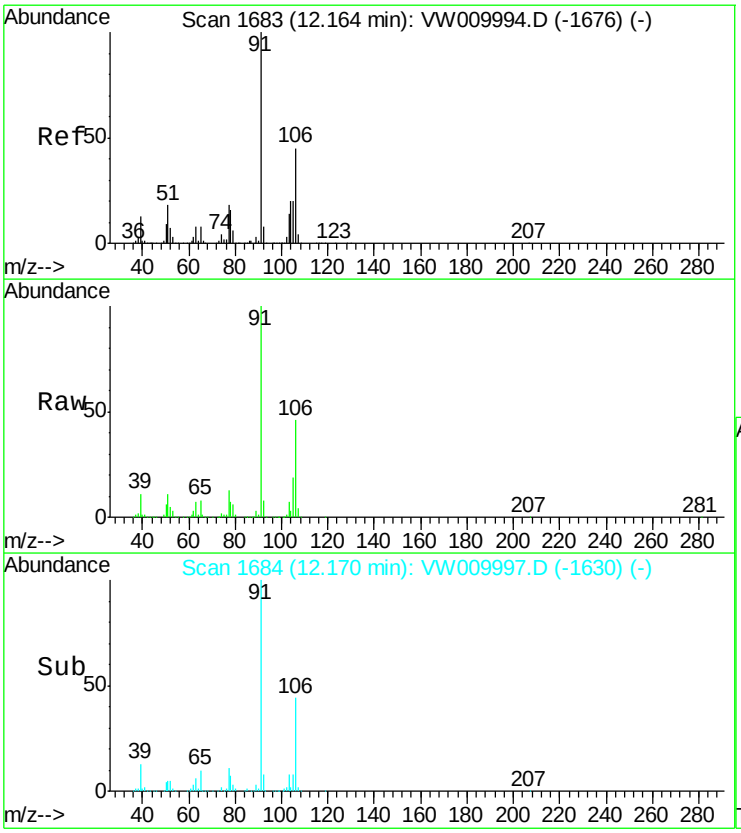
#54
m,p-Xylene
Concen: 10.639 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion:106 Resp: 173265

Ion	Ratio	Lower	Upper
106	100		
91	199.1	143.4	266.2

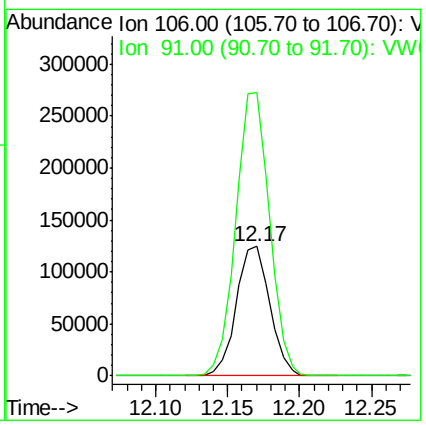


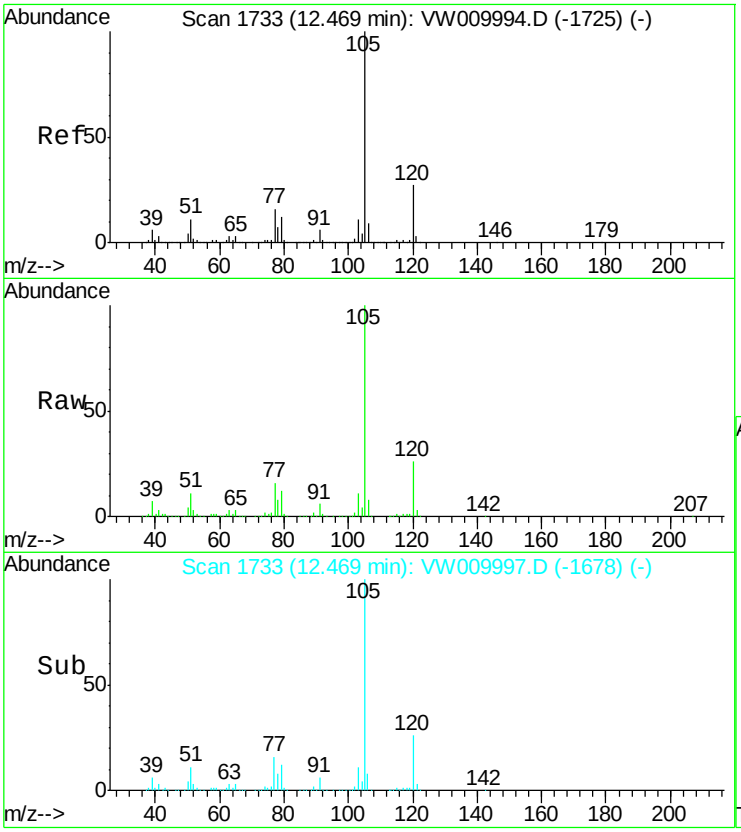


#55
o-xylene
Concen: 12.917 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion:106 Resp: 201754

Ion	Ratio	Lower	Upper
106	100		
91	218.9	152.2	282.7



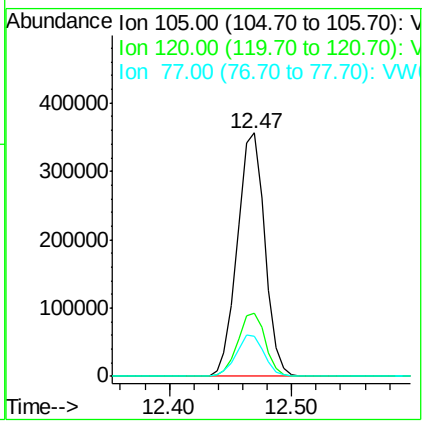


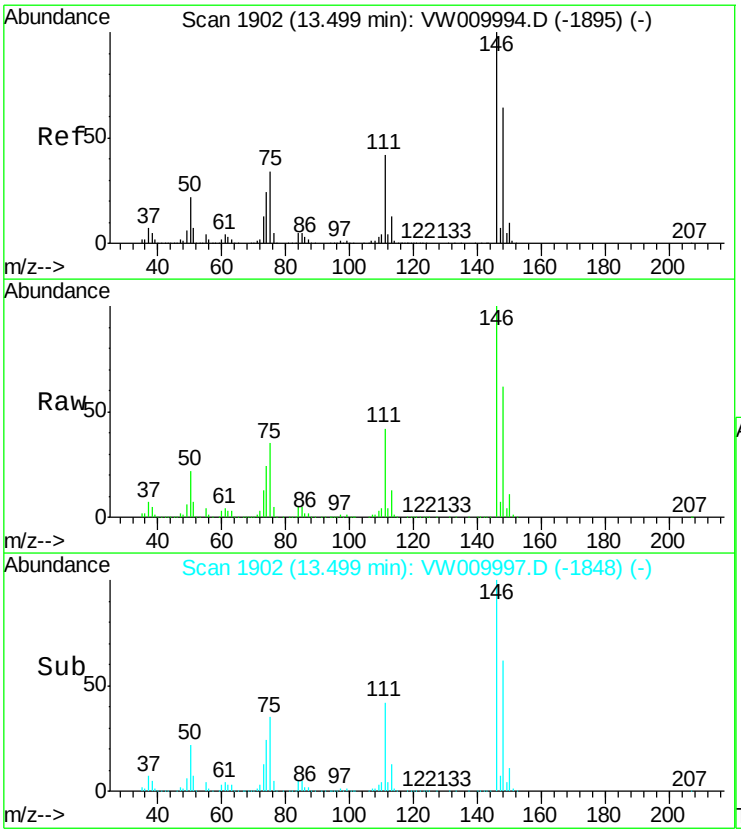
#57
Isopropylbenzene
Concen: 13.306 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument :
MSVOA_W
ClientSampleId :
GAHJ9

Tgt Ion:105 Resp: 553576

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.6	30.8
77	17.1	13.4	20.2

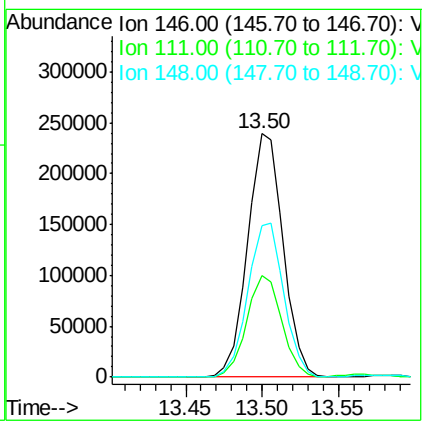


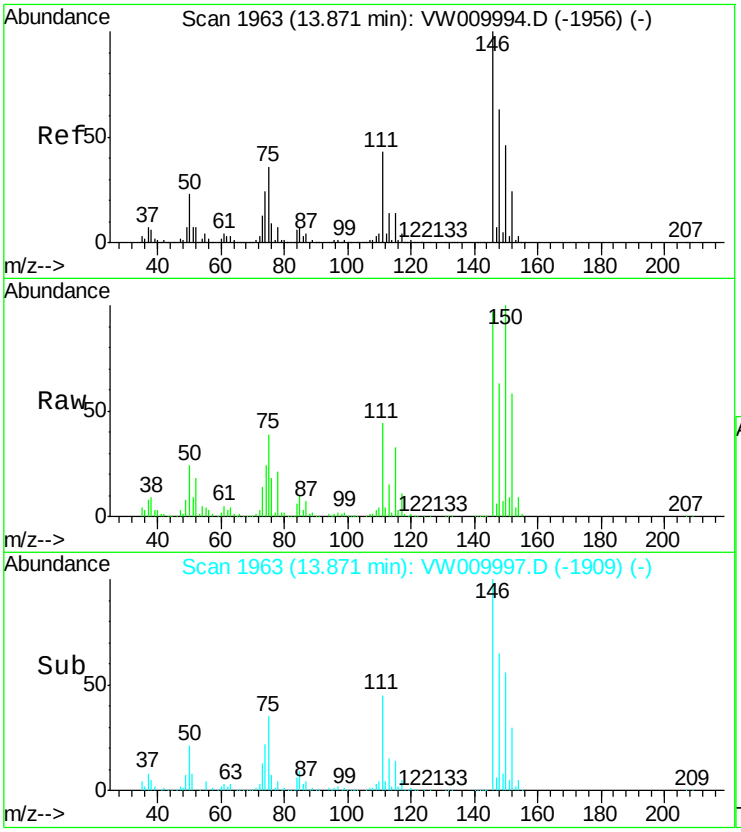


#63
1,3-Dichlorobenzene
Concen: 20.491 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion:146 Resp: 385886

Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.3	54.3
148	62.2	44.1	81.9



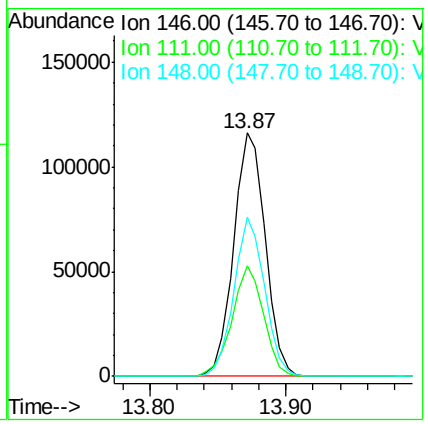


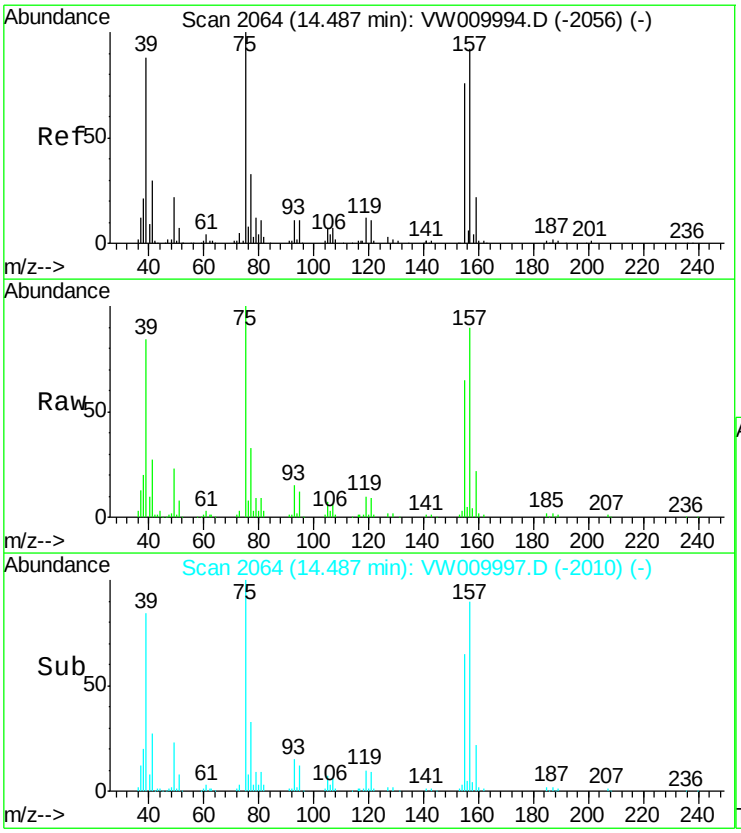
#65
1,2-Dichlorobenzene
Concen: 10.152 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Instrument : MSVOA_W
ClientSampleId : GAHJ9

Tgt Ion:146 Resp: 187580

Ion	Ratio	Lower	Upper
146	100		
111	45.5	35.0	52.6
148	65.3	50.4	75.6





#66
1,2-Dibromo-3-chloropropane
Concen: 19.495 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW009997.D
Acq: 16 Apr 2019 15:05

Tgt Ion: 75 Resp: 36455

Ion	Ratio	Lower	Upper
75	100		
157	89.7	73.3	109.9
155	65.1	58.6	88.0