Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122818\

Quantitation Report (Not Reviewed)

Data File : VW007996.D
Acq On : 28 Dec 2018 10:12
Operator : SY/AP
Sample : J6540-17
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEP8

Quant Time: Dec 28 22:37:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 22:34:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	92114	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	83676	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	41940	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	21789	24.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.00%			
7) Chloroethane-d5	2.89	69	15530	25.39	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.56%			
10) 1,1-Dichloroethene-d2	4.01	63	56419	22.96	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 91.84%			
20) 2-Butanone-d5	7.07	46	19600	50.63	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.26%			
24) Chloroform-d	7.65	84	58473	23.86	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.44%			
26) 1,2-Dichloroethane-d4	8.31	65	36964	25.16	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.64%			
29) Benzene-d6	8.27	84	111701	23.80	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.20%			
33) 1,2-Dichloropropane-d6	9.27	67	30645	24.01	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.04%			
37) Toluene-d8	10.32	98	107175	23.44	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.76%			
38) trans-1,3-Dichloropropene-	10.58	79	17347	23.67	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.68%			
39) 2-Hexanone-d5	10.93	63	15943	48.83	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.66%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30352	24.71	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 98.84%			
61) 1,2-Dichlorobenzene-d4	13.86	152	40037	23.63	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.52%			
Target Compounds						Qvalue
3) Chloromethane	2.21	50	15777	19.720	ug/L	92
6) Bromomethane	2.78	94	5884	9.965	ug/L	99
9) Trichlorofluoromethane	3.26	101	13802	16.060	ug/L	98
12) 1,1-Dichloroethene	4.03	96	24228	22.753	ug/L	89
13) Acetone	4.12	43	23260	61.494	ug/L	100
15) Methyl Acetate	4.66	43	21030	36.537	ug/L	99
16) Methylene chloride	4.91	84	13835	9.282	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	57932	30.610	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	11907	10.309	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	29768	24.051	ug/L	93
23) Bromochloromethane	7.51	128	8515	15.281	ug/L	97
27) 1,2-Dichloroethane	8.40	62	16047	10.110	ug/L	96
30) Cyclohexane	7.95	56	17027	9.249	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	20441	10.189	ug/L	99
32) Carbon tetrachloride	8.07	117	24691	12.819	ug/L	100
35) Trichloroethene	9.09	95	50683	38.960	ug/L	99
36) Methylcyclohexane	9.34	83	54702	24.521	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122818\

Quantitation Report (Not Reviewed)

Data File : VW007996.D
Acq On : 28 Dec 2018 10:12
Operator : SY/AP
Sample : J6540-17
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEP8

Quant Time: Dec 28 22:37:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 22:34:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,2-Dichloropropane	9.37	63	12791	12.153	ug/L	#	96
41) Bromodichloromethane	9.65	83	31732	20.499	ug/L		99
42) cis-1,3-Dichloropropene	10.07	75	30314	16.499	ug/L		97
44) Toluene	10.39	91	100638	20.089	ug/L		94
45) trans-1,3-Dichloropropene	10.61	75	13219	7.808	ug/L		100
47) Tetrachloroethene	10.86	164	40680	39.358	ug/L		98
49) 2-Hexanone	10.97	43	21371	35.558	ug/L		96
50) Dibromochloromethane	11.13	129	21836	19.248	ug/L		99
53) Ethylbenzene	11.73	91	86527	15.033	ug/L		99
54) m,p-Xylene	11.85	106	21747	10.029	ug/L		99
55) o-xylene	12.17	106	25054	12.182	ug/L		97
56) Styrene	12.17	104	1373	0.394	ug/L	#	1
57) Isopropylbenzene	12.47	105	71705	12.308	ug/L		99
59) 1,2,3-Trichloropropane	12.75	75	4726	5.322	ug/L	#	1
63) 1,3-Dichlorobenzene	13.51	146	50438	18.811	ug/L		96
65) 1,2-Dichlorobenzene	13.88	146	23714	9.743	ug/L		97
66) 1,2-Dibromo-3-chloropropan	14.49	75	4738	19.744	ug/L		92
67) 1,3,5-Trichlorobenzene	14.63	180	46575	23.716	ug/L		99

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

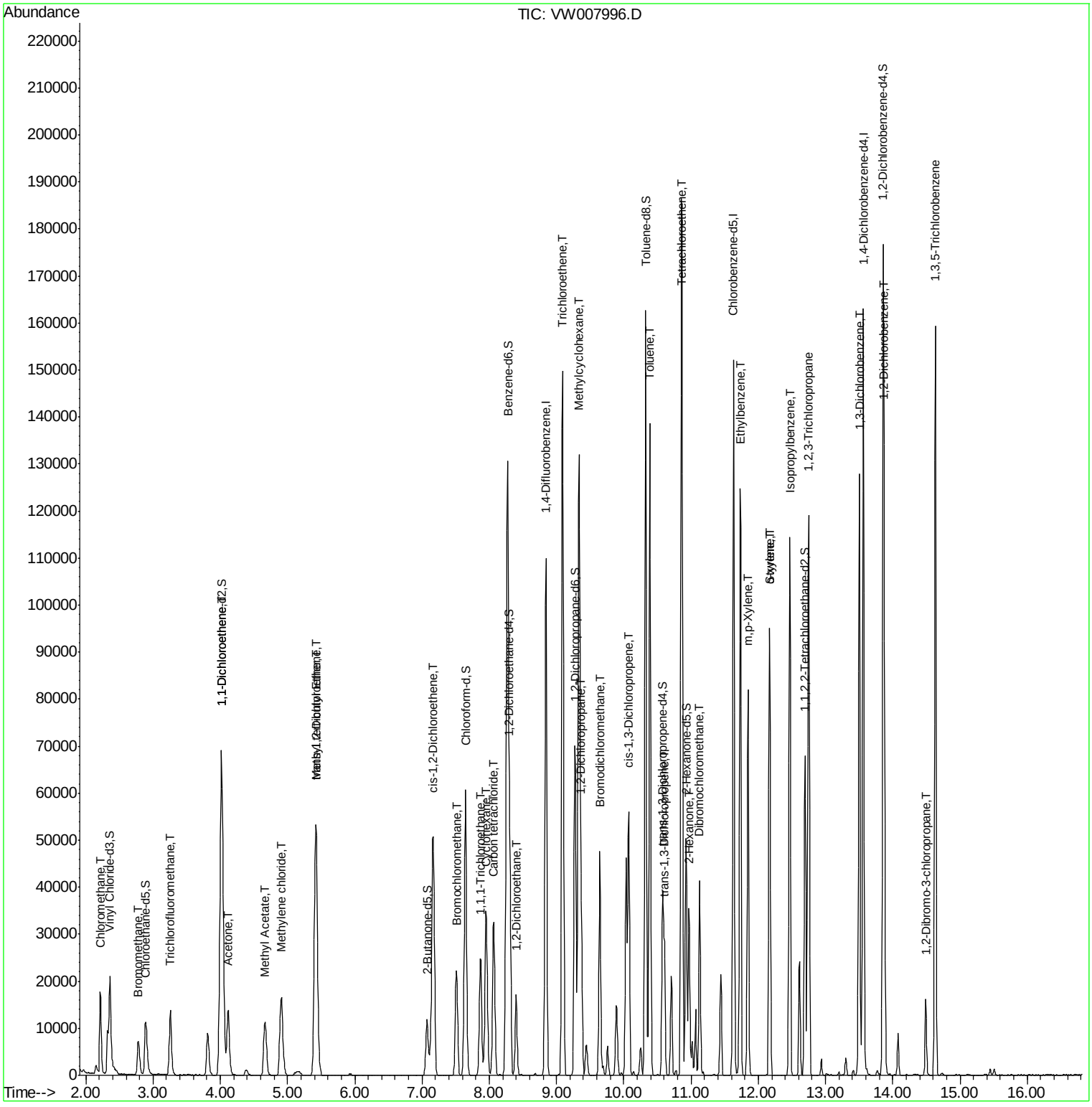
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122818\

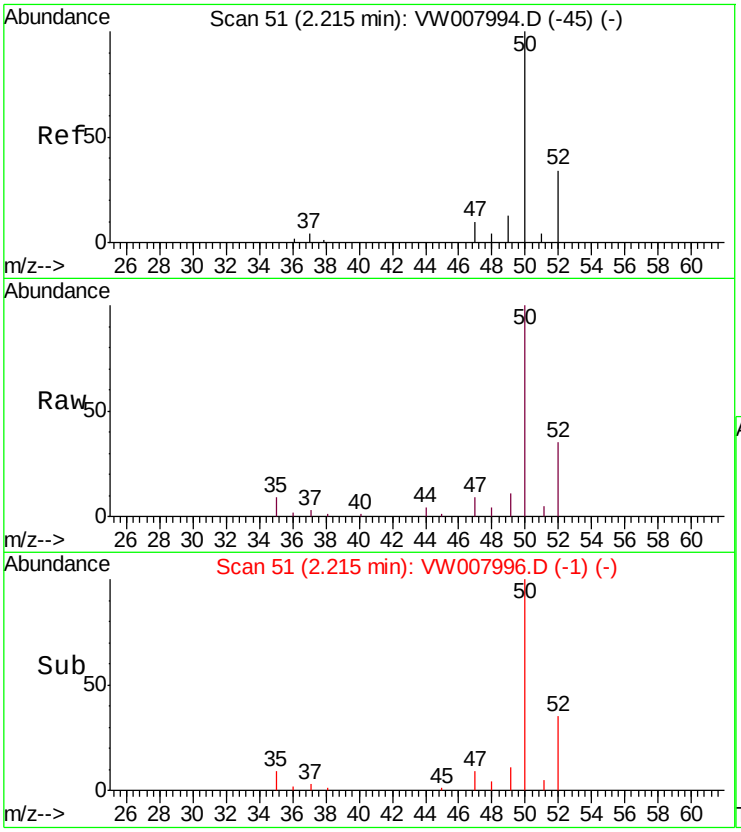
Quantitation Report (Not Reviewed)

Data File : VW007996.D
Acq On : 28 Dec 2018 10:12
Operator : SY/AP
Sample : J6540-17
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAEP8

Quant Time: Dec 28 22:37:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 22:34:20 2018
Response via : Initial Calibration



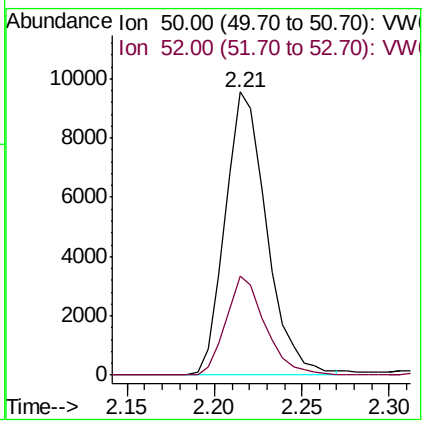


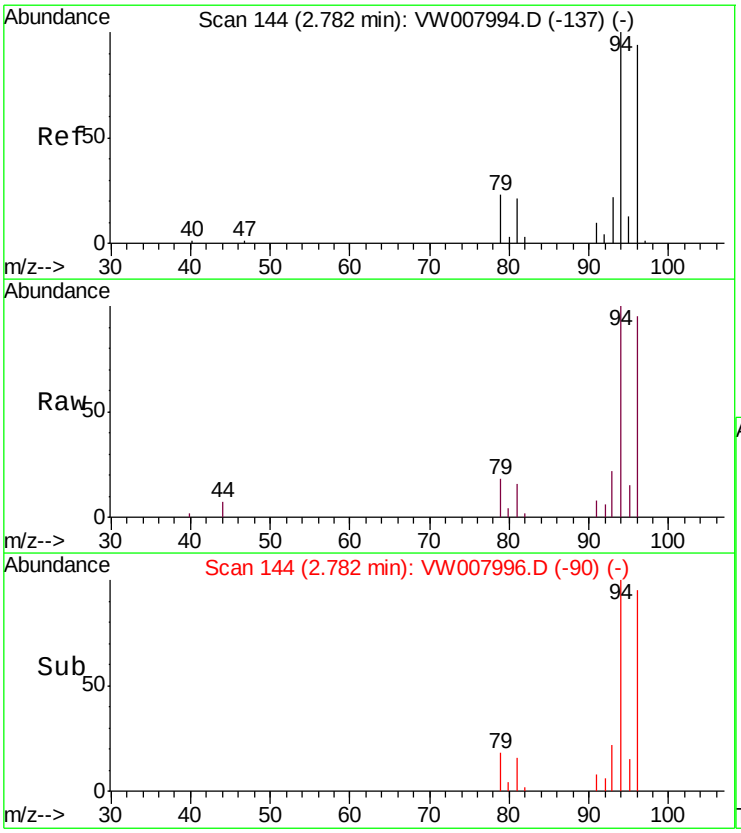
#3
Chloromethane
Concen: 19.720 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion: 50 Resp: 15777

Ion	Ratio	Lower	Upper
50	100		
52	35.2	21.4	39.8

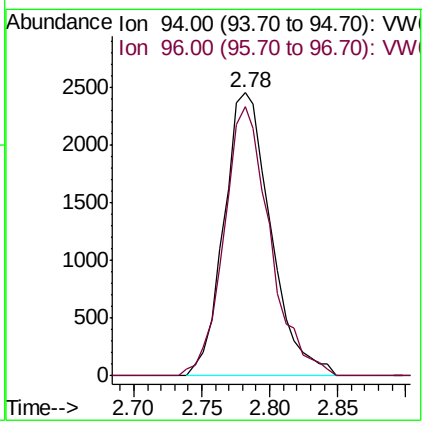


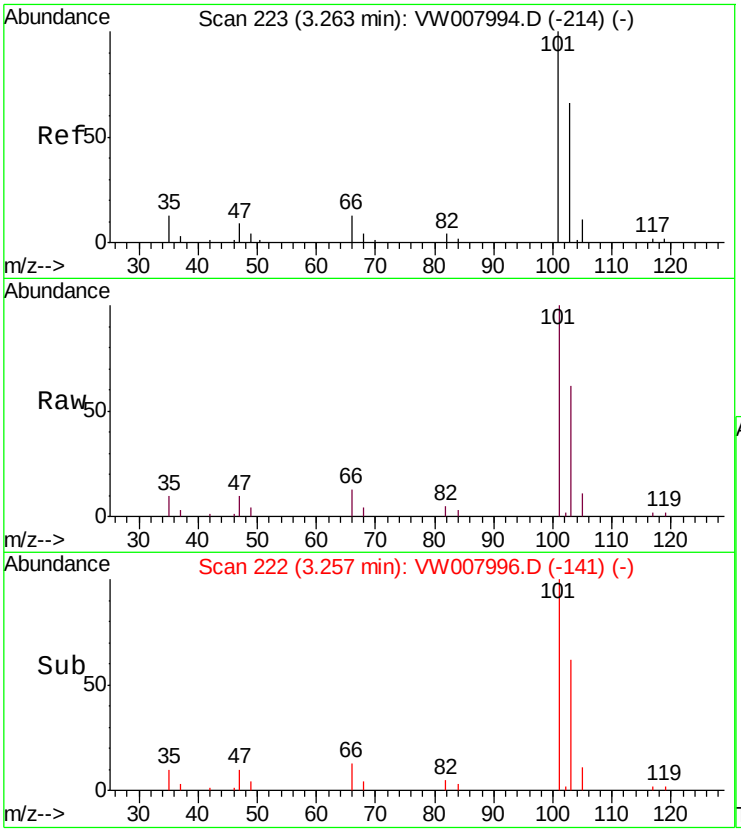


#6
Bromomethane
Concen: 9.965 ug/L
RT: 2.78 min Scan# 144
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 94 Resp: 5884

Ion	Ratio	Lower	Upper
94	100		
96	93.5	9.2	175.4



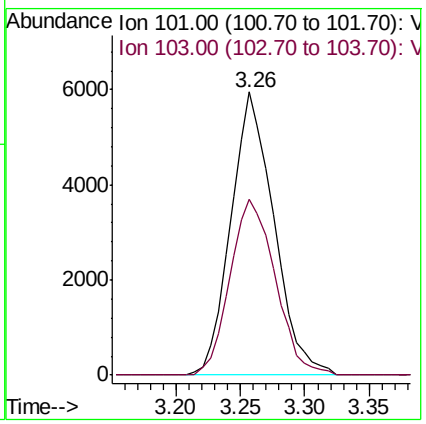


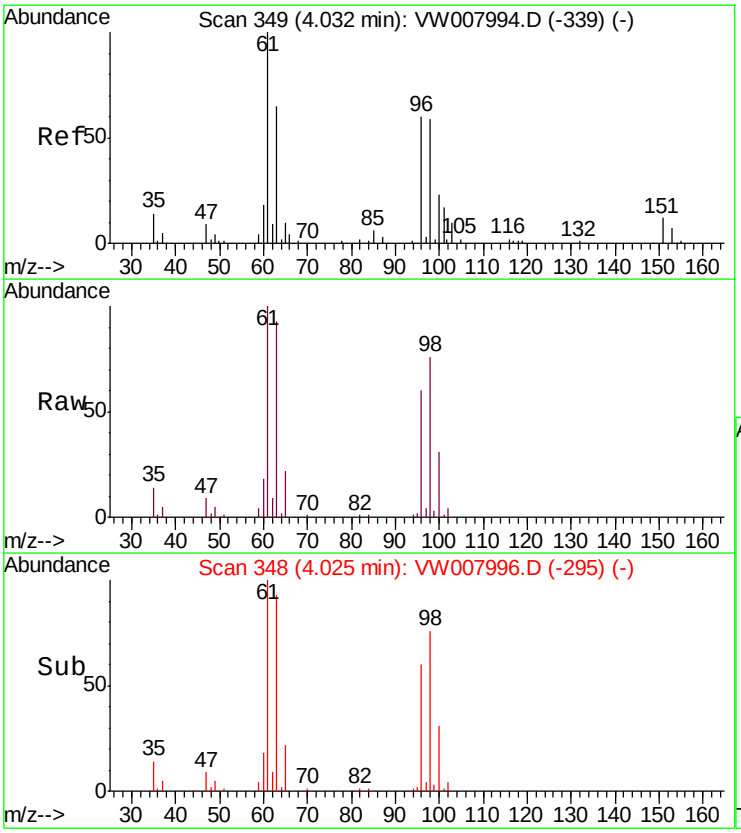
#9
Trichlorofluoromethane
Concen: 16.060 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion:101 Resp: 13802

Ion	Ratio	Lower	Upper
101	100		
103	65.5	44.7	83.1

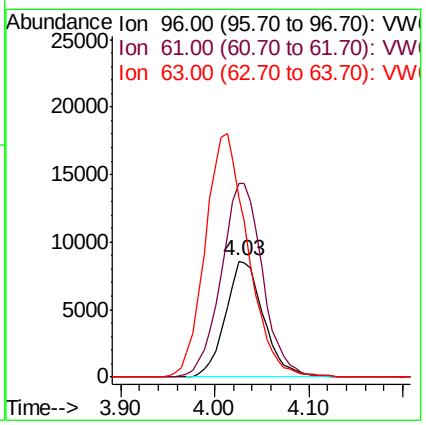


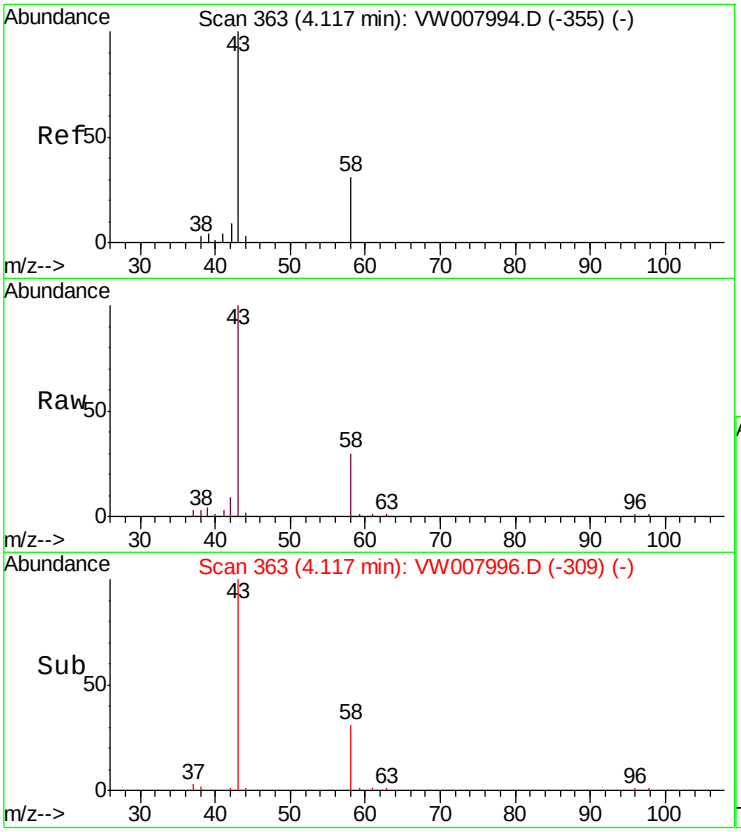


#12
1,1-Dichloroethene
Concen: 22.753 ug/L
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 96 Resp: 24228

Ion	Ratio	Lower	Upper
96	100		
61	167.6	120.3	223.3
63	155.4	91.6	170.0



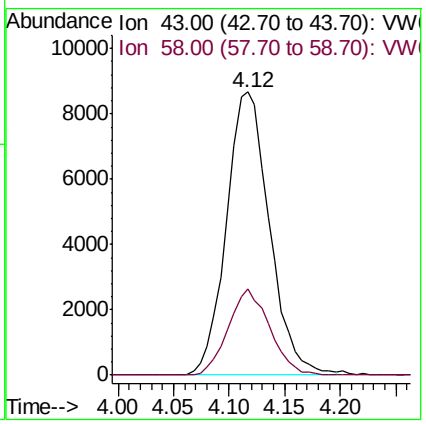


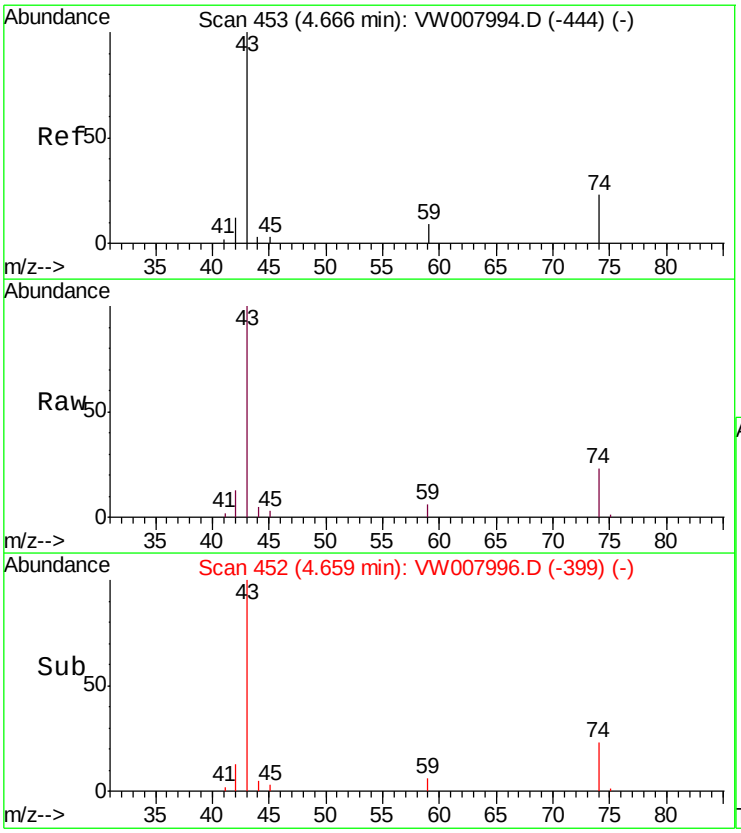
#13
Acetone
Concen: 61.494 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion: 43 Resp: 23260

Ion	Ratio	Lower	Upper
43	100		
58	29.1	0.0	58.6

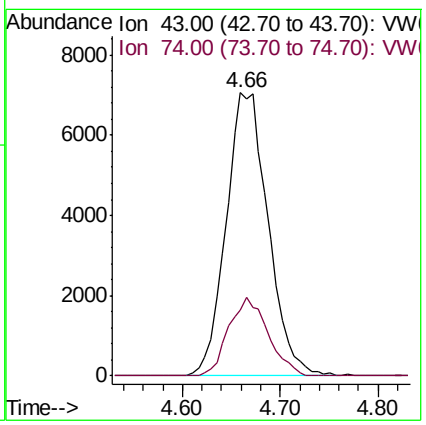


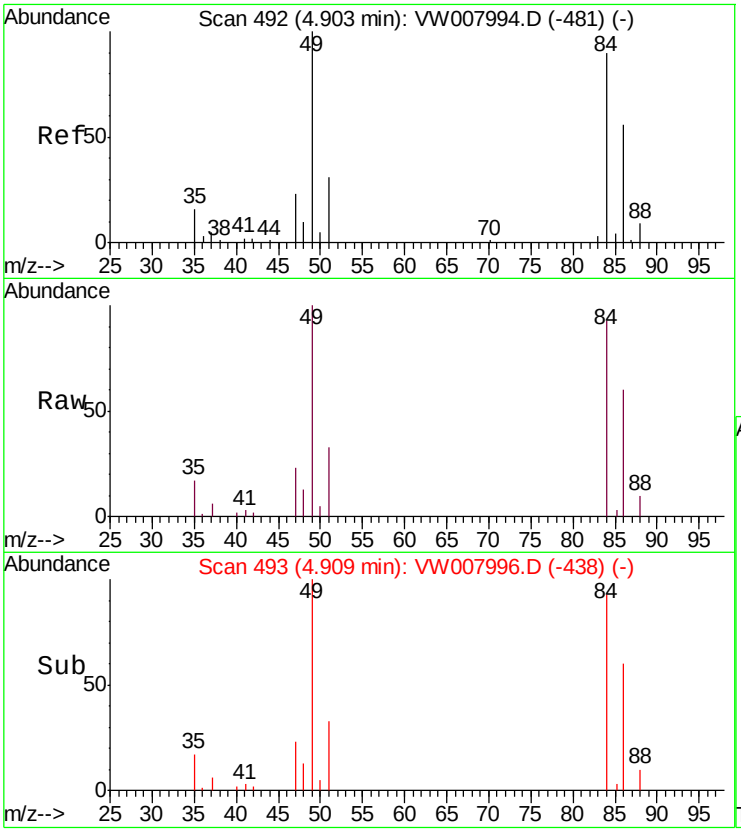


#15
Methyl Acetate
Concen: 36.537 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 43 Resp: 21030

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.2	30.2



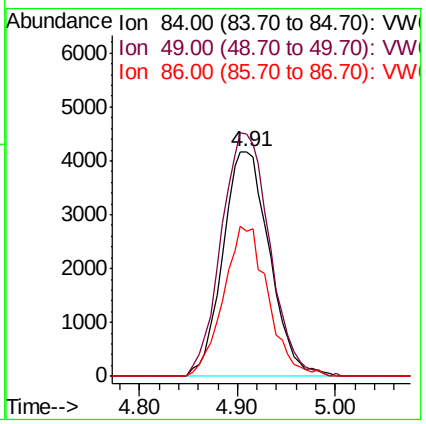


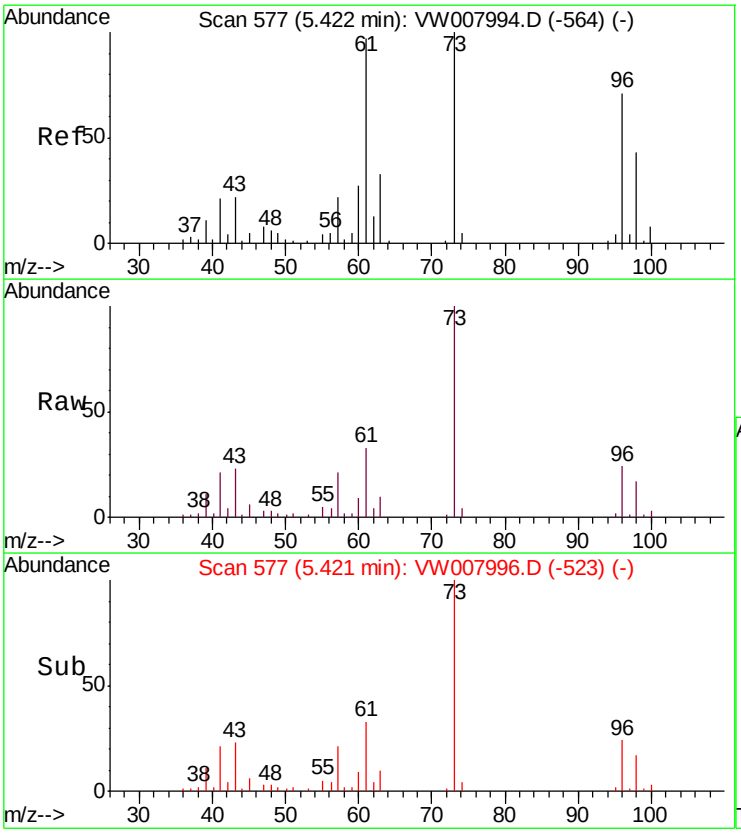
#16
Methylene chloride
Concen: 9.282 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion: 84 Resp: 13835

Ion	Ratio	Lower	Upper
84	100		
49	108.1	79.2	147.0
86	64.8	43.2	80.2

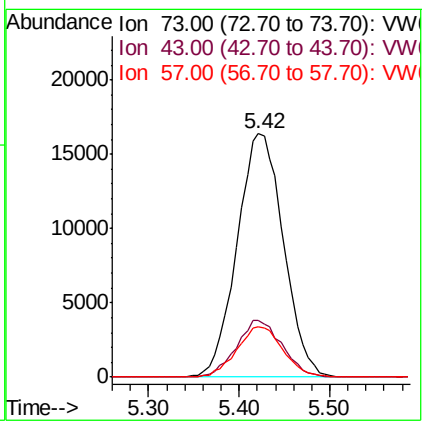


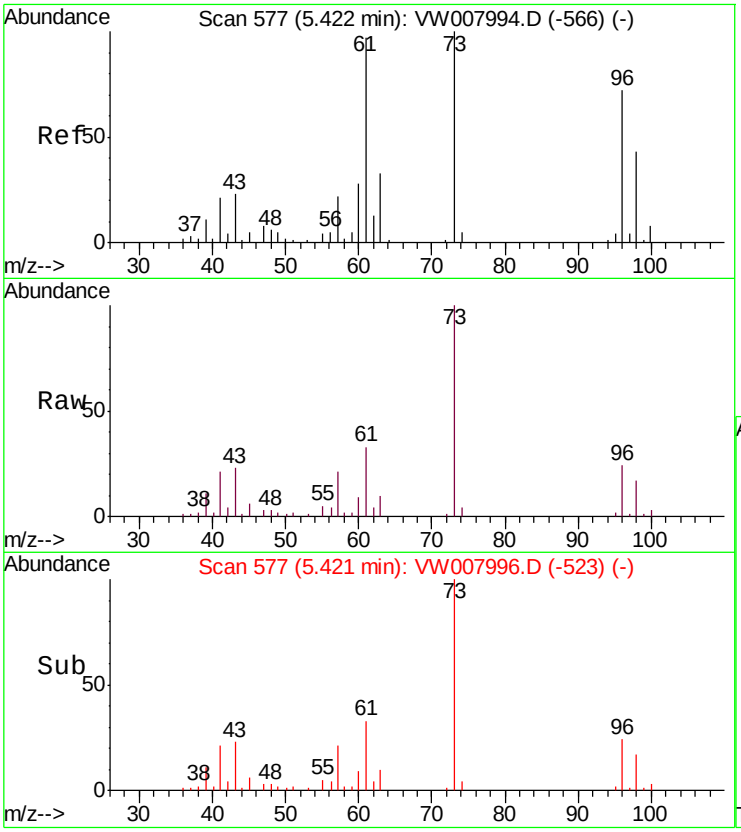


#17
Methyl tert-butyl Ether
Concen: 30.610 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 73 Resp: 57932

Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.5	27.7
57	20.6	16.4	24.6



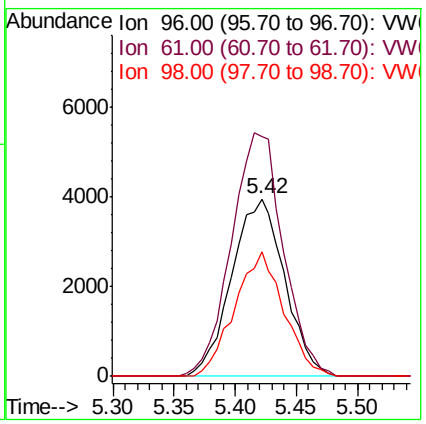


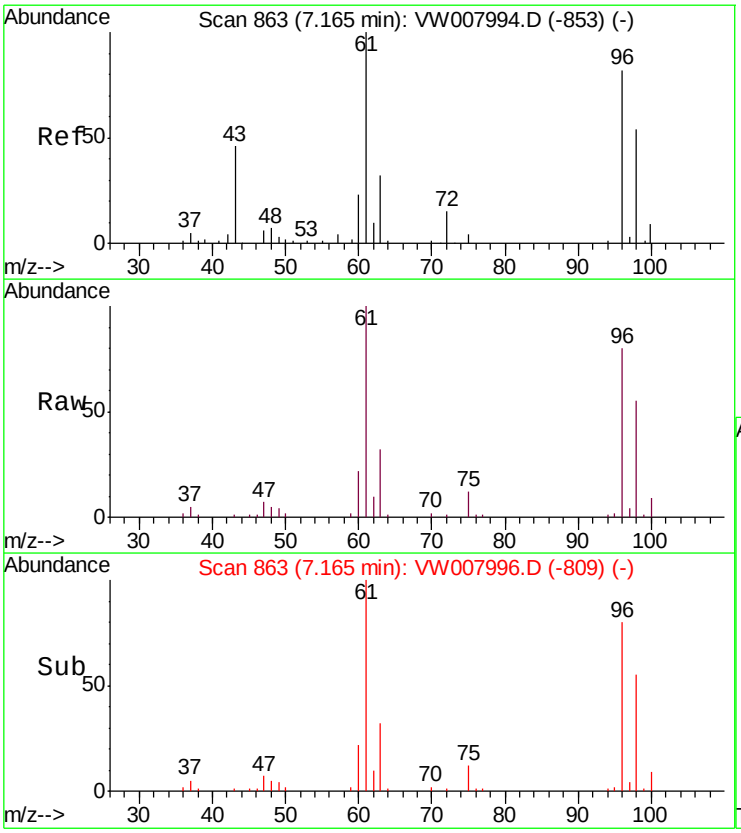
#18
trans-1,2-Dichloroethene
Concen: 10.309 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion: 96 Resp: 11907

Ion	Ratio	Lower	Upper
96	100		
61	134.9	91.4	169.8
98	69.9	48.0	89.2

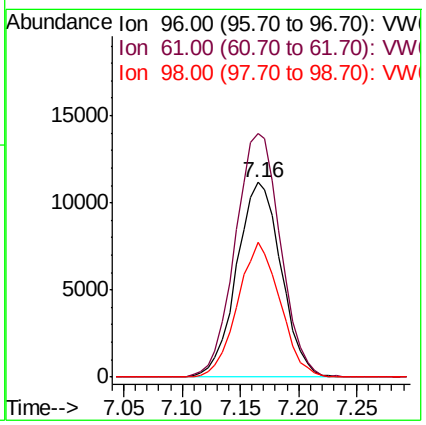


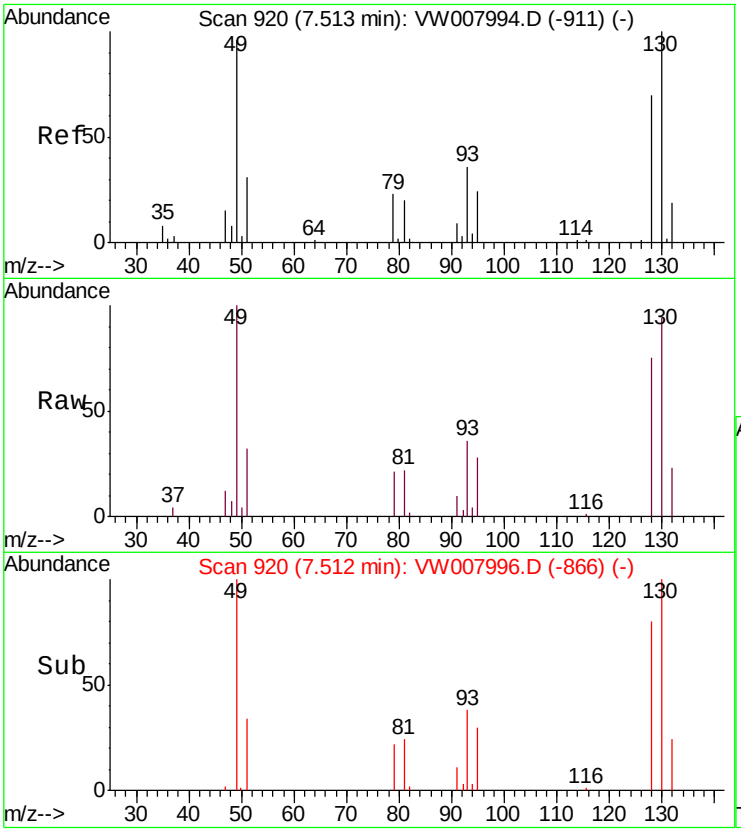


#22
cis-1,2-Dichloroethene
Concen: 24.051 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 96 Resp: 29768

Ion	Ratio	Lower	Upper
96	100		
61	125.1	83.4	155.0
98	69.0	42.3	78.5



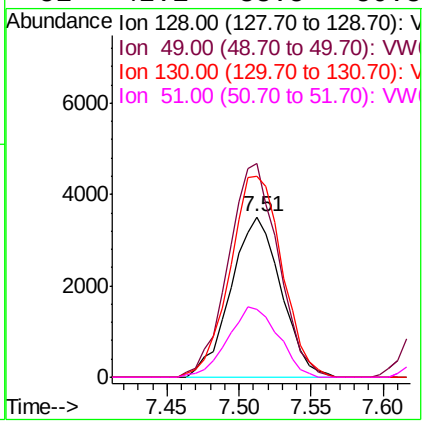


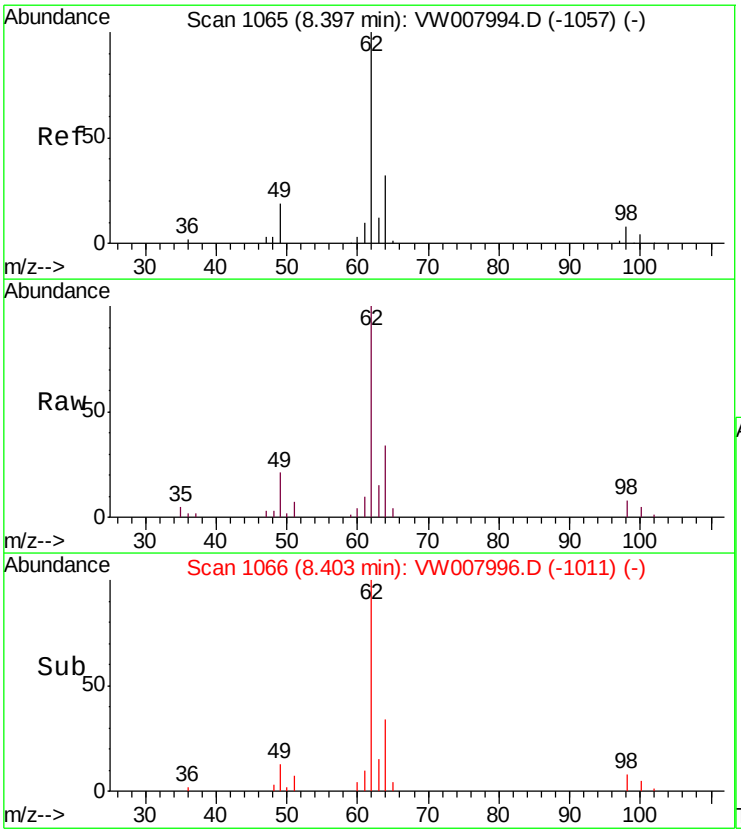
#23
Bromochloromethane
Concen: 15.281 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion:128 Resp: 8515

Ion	Ratio	Lower	Upper
128	100		
49	133.1	96.9	180.1
130	125.6	86.2	160.0
51	42.1	33.5	50.3

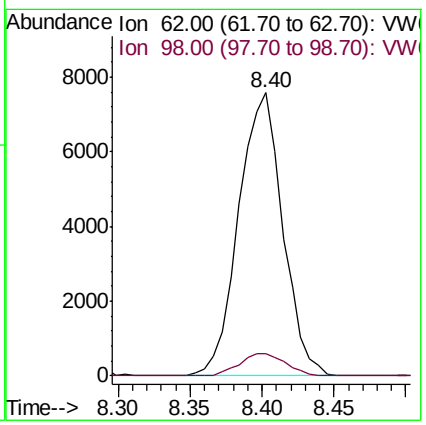


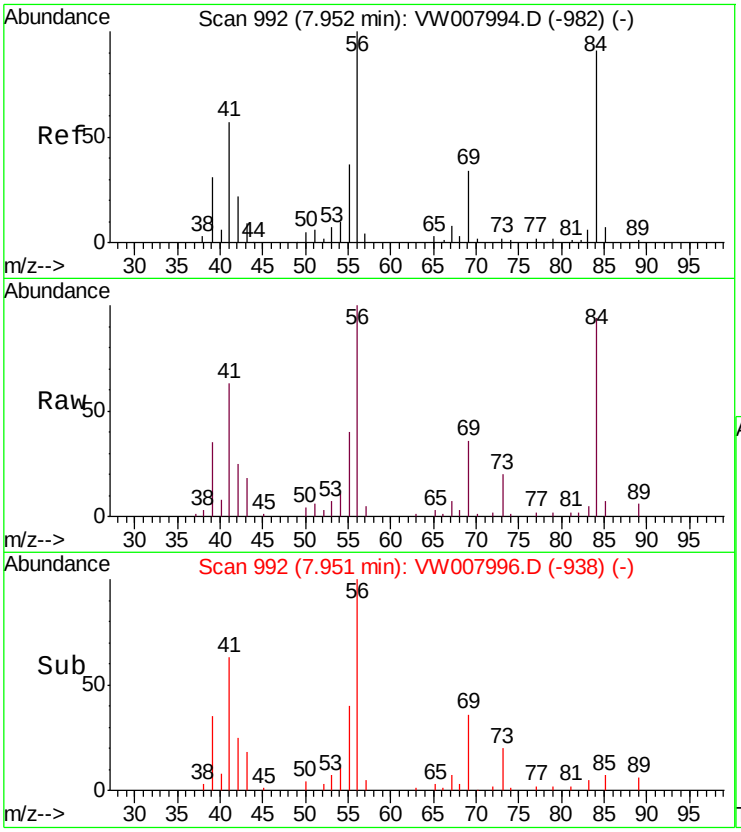


#27
1,2-Dichloroethane
Concen: 10.110 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 62 Resp: 16047

Ion	Ratio	Lower	Upper
62	100		
98	8.1	5.4	8.2



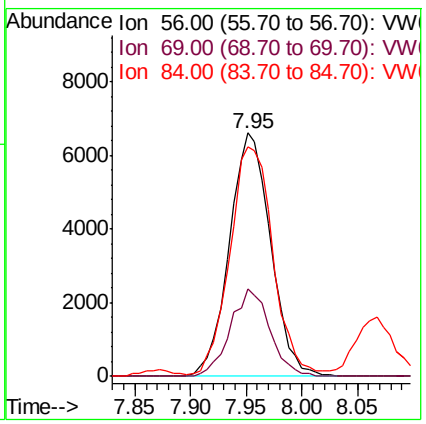


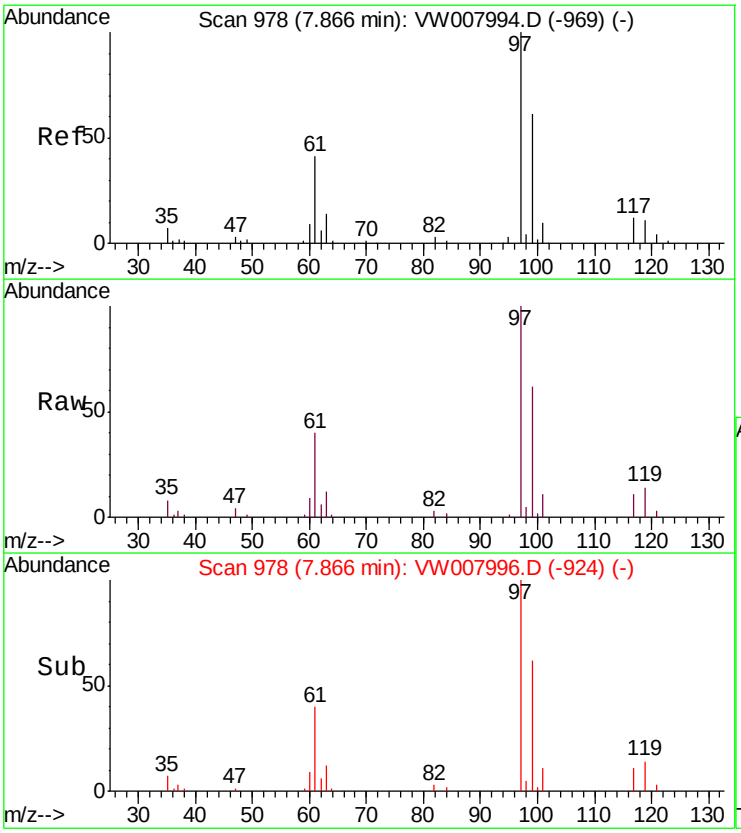
#30
Cyclohexane
Concen: 9.249 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion: 56 Resp: 17027

Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.2	39.4
84	99.0	74.3	111.5

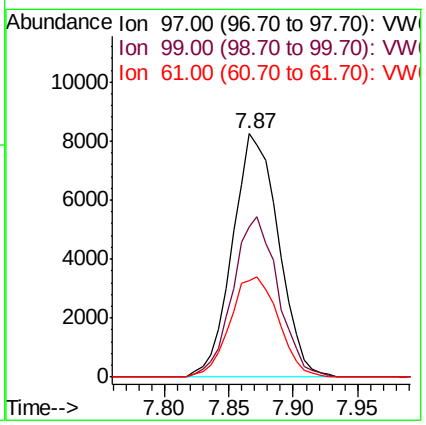


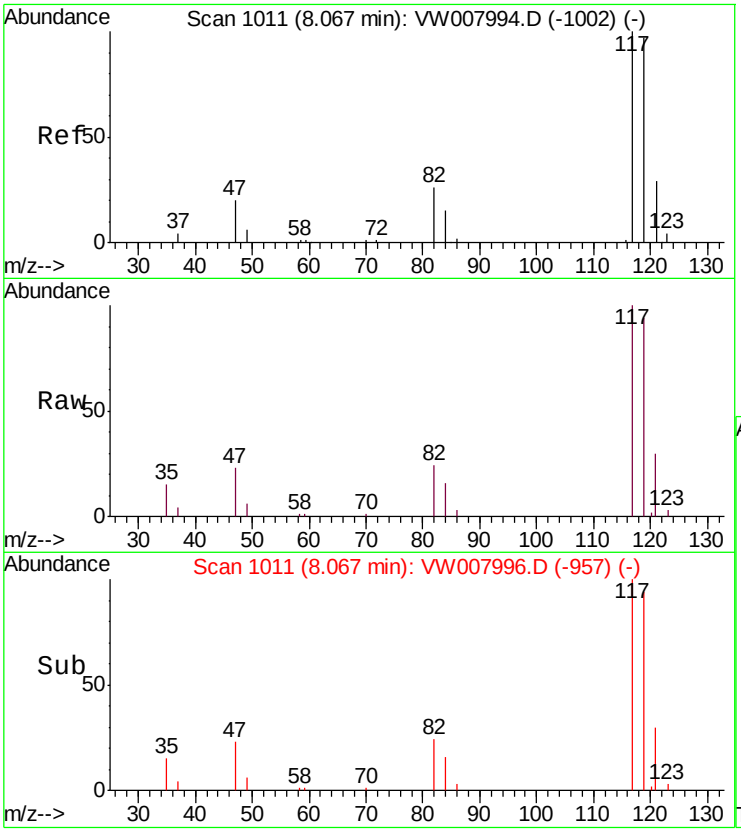


#31
1,1,1-Trichloroethane
Concen: 10.189 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 97 Resp: 20441

Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.3	78.5
61	43.3	33.5	50.3



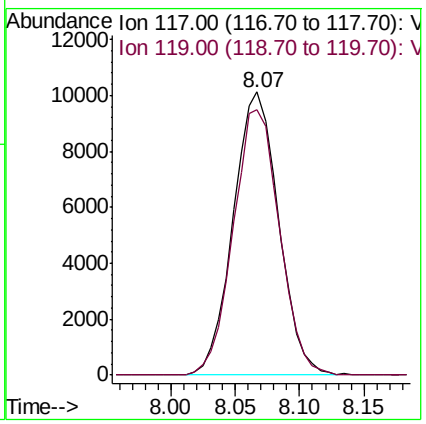


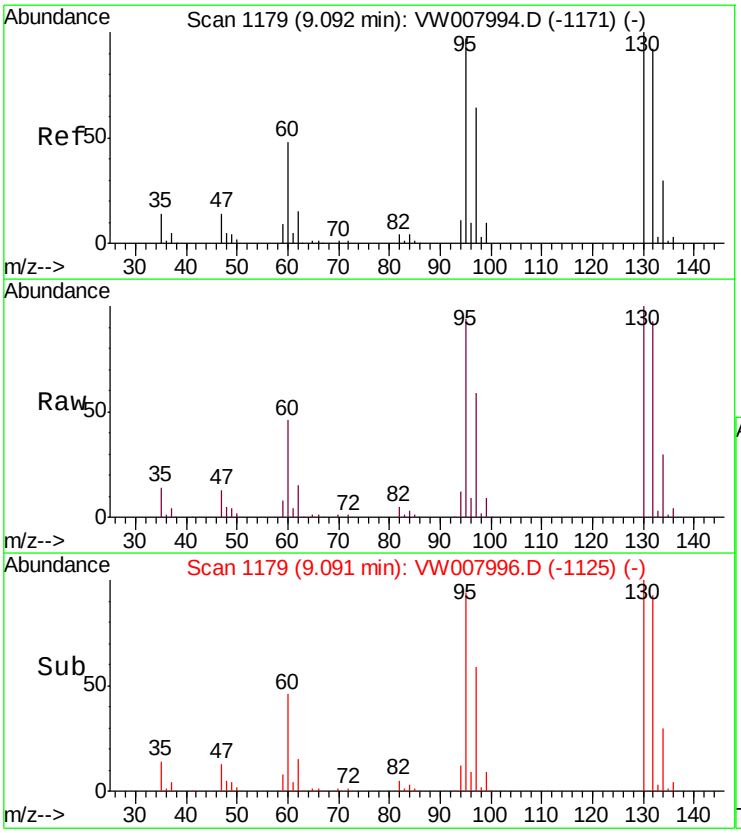
#32
Carbon tetrachloride
Concen: 12.819 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion:117 Resp: 24691

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.0	114.0

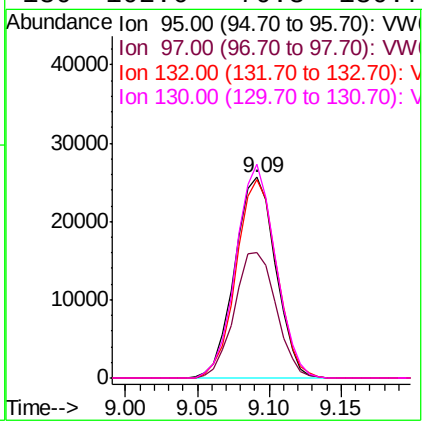


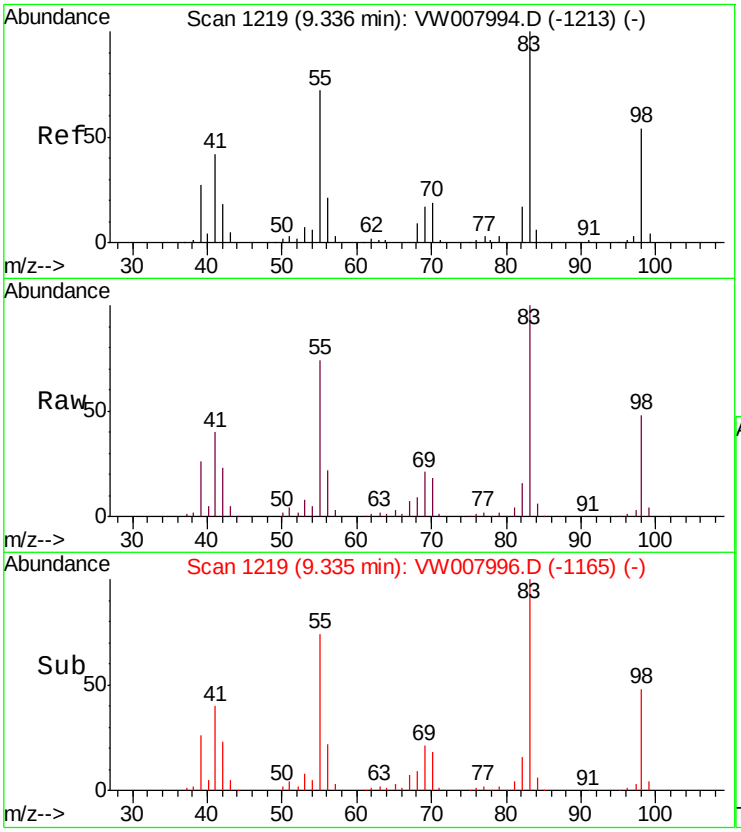


#35
Trichloroethene
Concen: 38.960 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 95 Resp: 50683

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.4	82.5
132	97.2	67.8	126.0
130	102.6	70.3	130.7



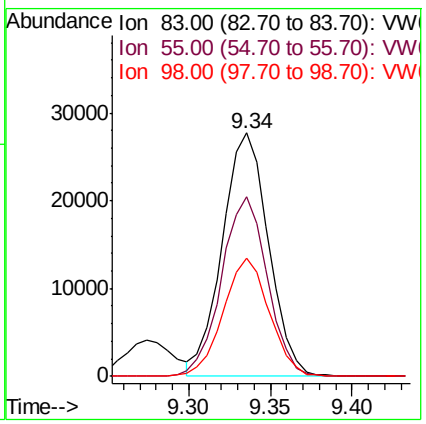


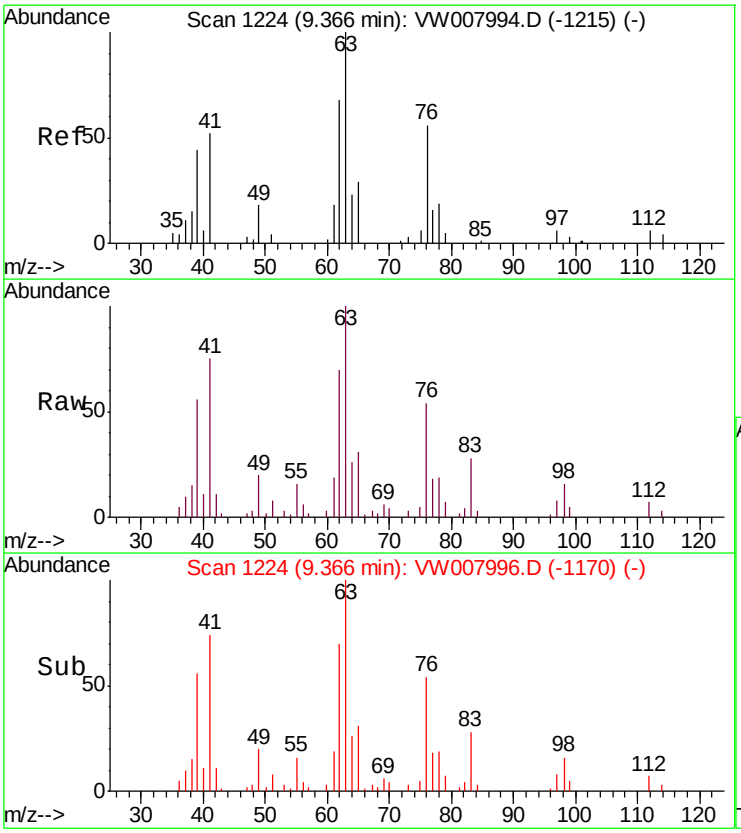
#36
Methylcyclohexane
Concen: 24.521 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion: 83 Resp: 54702

Ion	Ratio	Lower	Upper
83	100		
55	73.1	59.4	89.0
98	48.2	38.2	57.2

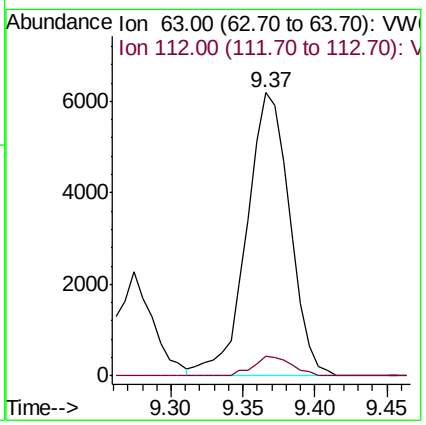


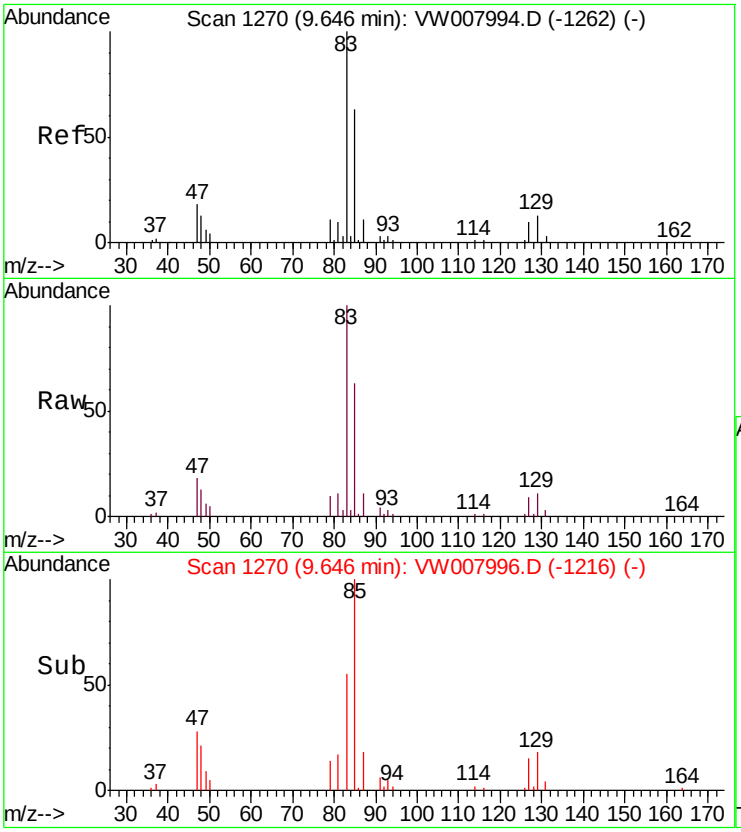


#40
1,2-Dichloropropane
Concen: 12.153 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 63 Resp: 12791

Ion	Ratio	Lower	Upper
63	100		
112	6.0	3.7	5.5#



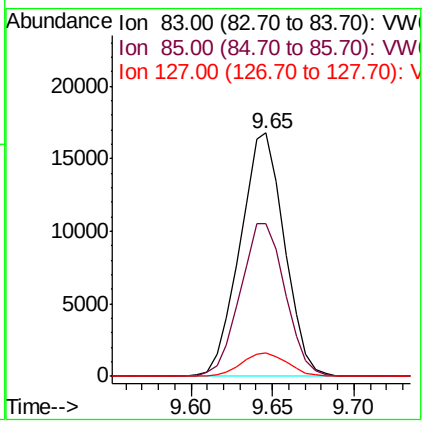


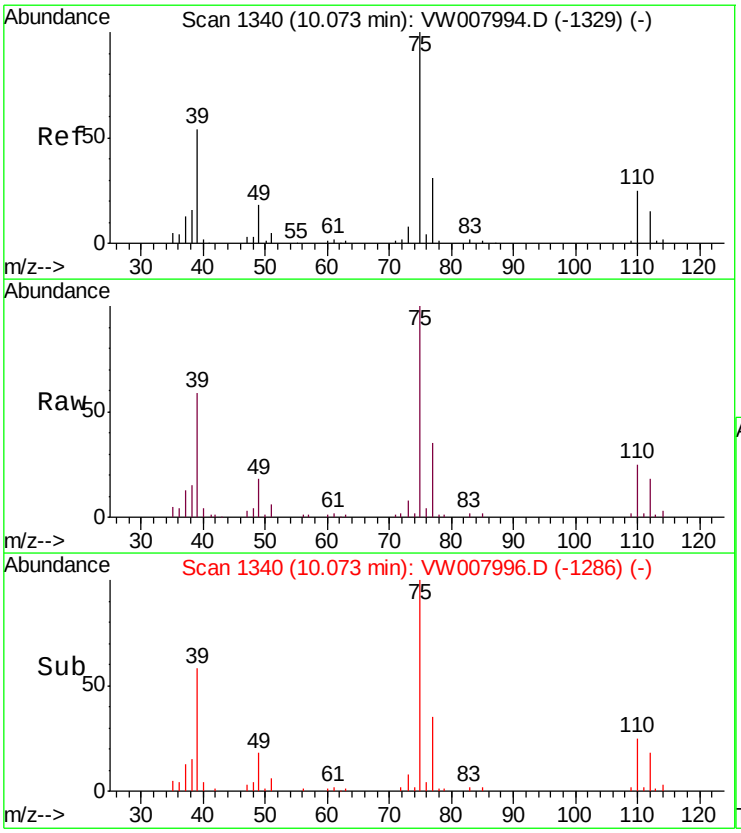
#41
Bromodichloromethane
Concen: 20.499 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion: 83 Resp: 31732

Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.4	82.5
127	9.4	7.0	10.6

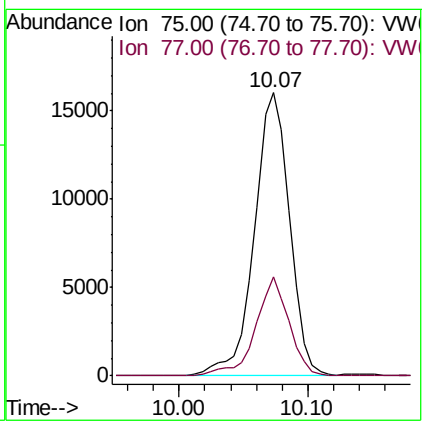


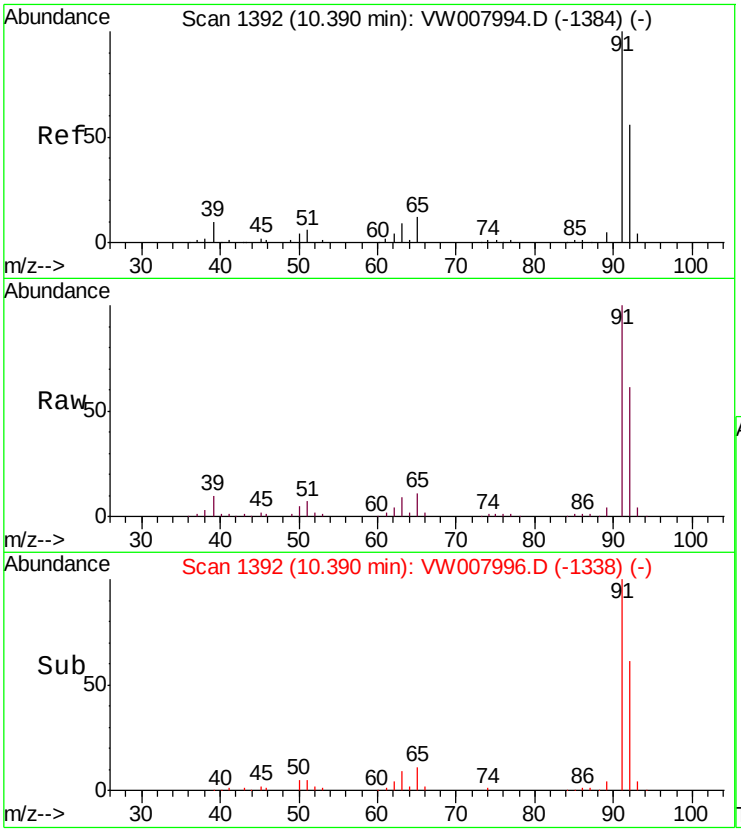


#42
cis-1,3-Dichloropropene
Concen: 16.499 ug/L
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 75 Resp: 30314

Ion	Ratio	Lower	Upper
75	100		
77	34.8	23.0	42.8



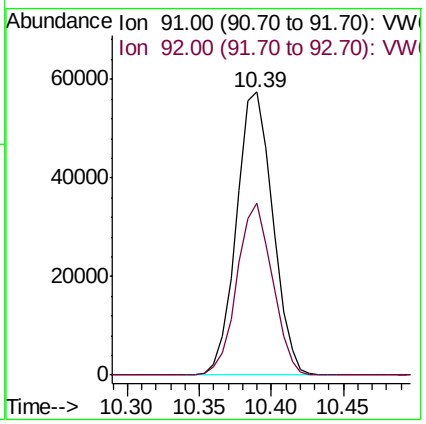


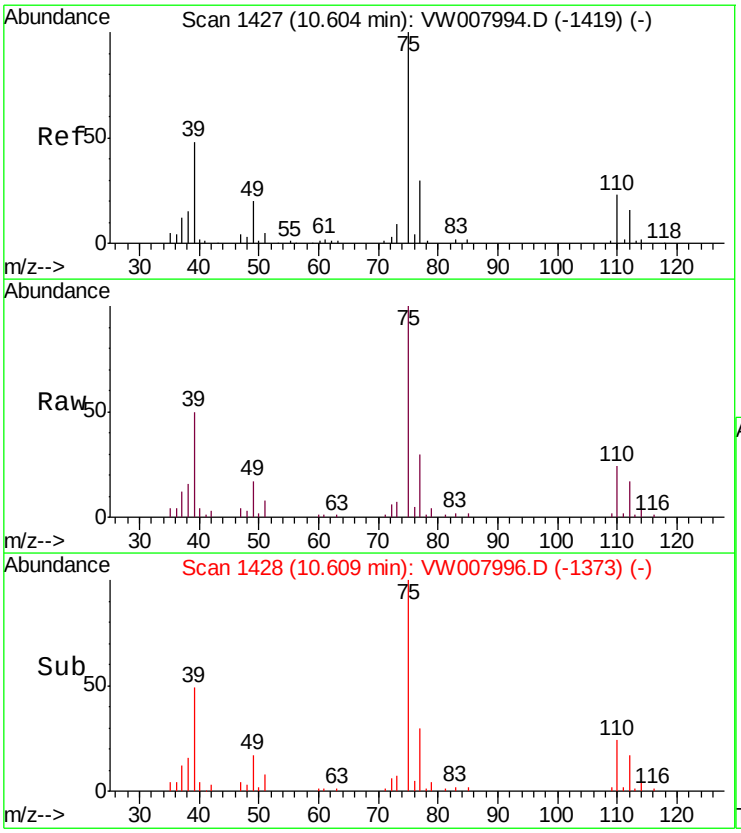
#44
Toluene
Concen: 20.089 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion: 91 Resp: 100638

Ion	Ratio	Lower	Upper
91	100		
92	60.8	39.6	73.6

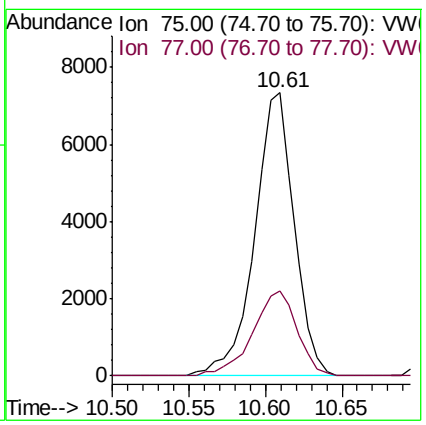


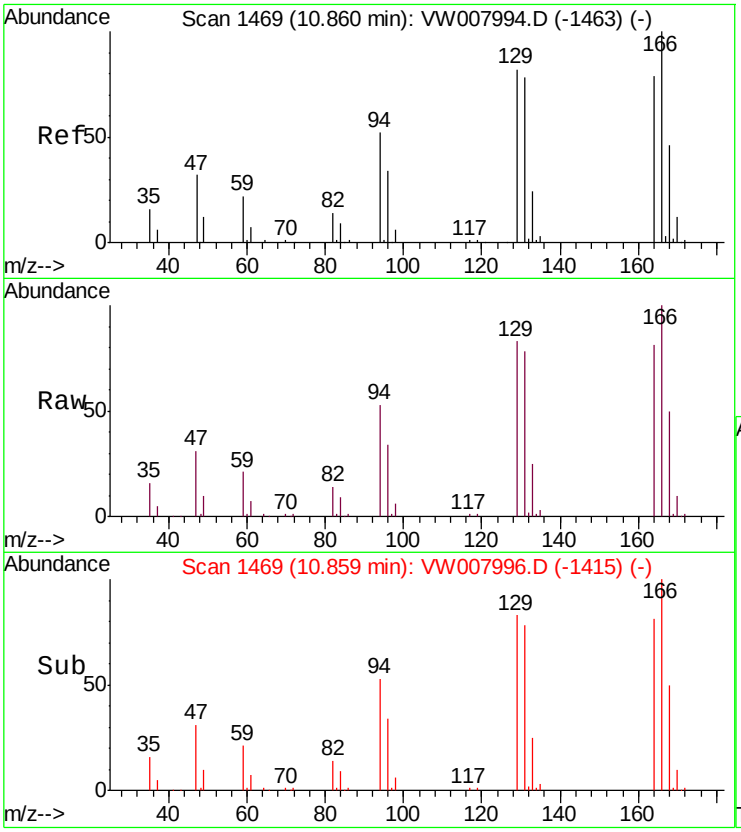


#45
trans-1,3-Dichloropropene
Concen: 7.808 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 75 Resp: 13219

Ion	Ratio	Lower	Upper
75	100		
77	30.2	21.1	39.3



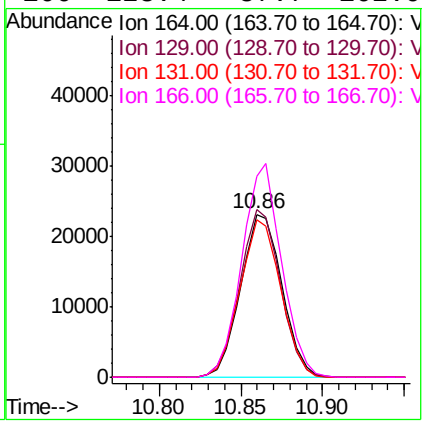


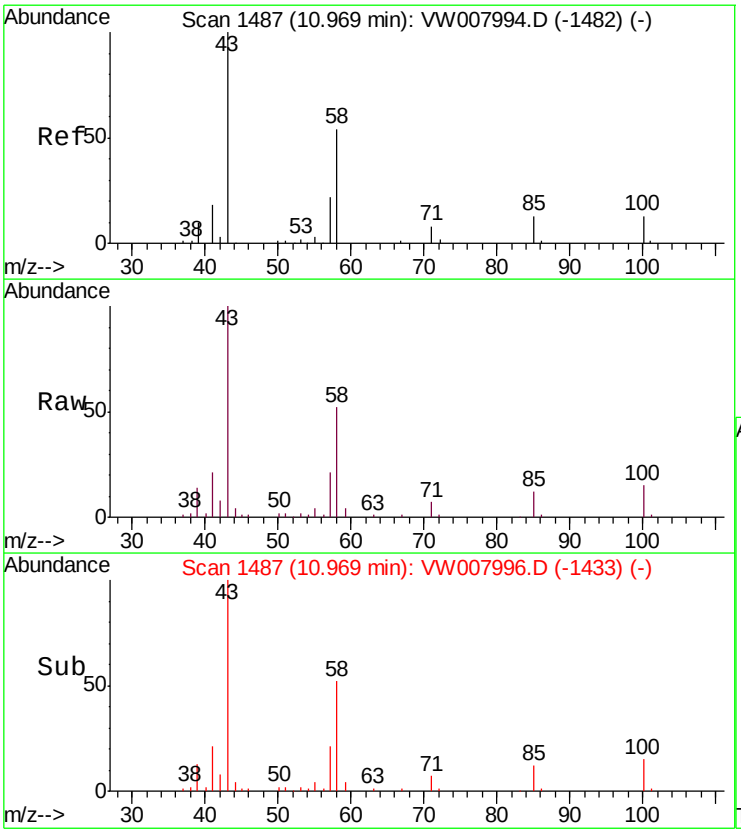
#47
Tetrachloroethene
Concen: 39.358 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument : MSVOA_W
ClientSampleId : GAEP8

Tgt Ion:164 Resp: 40680

Ion	Ratio	Lower	Upper
164	100		
129	102.8	70.6	131.2
131	96.5	66.5	123.5
166	123.4	87.7	162.9

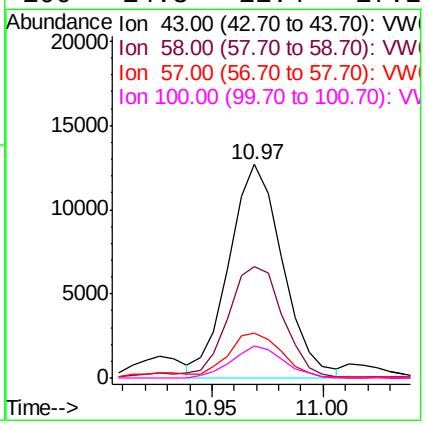


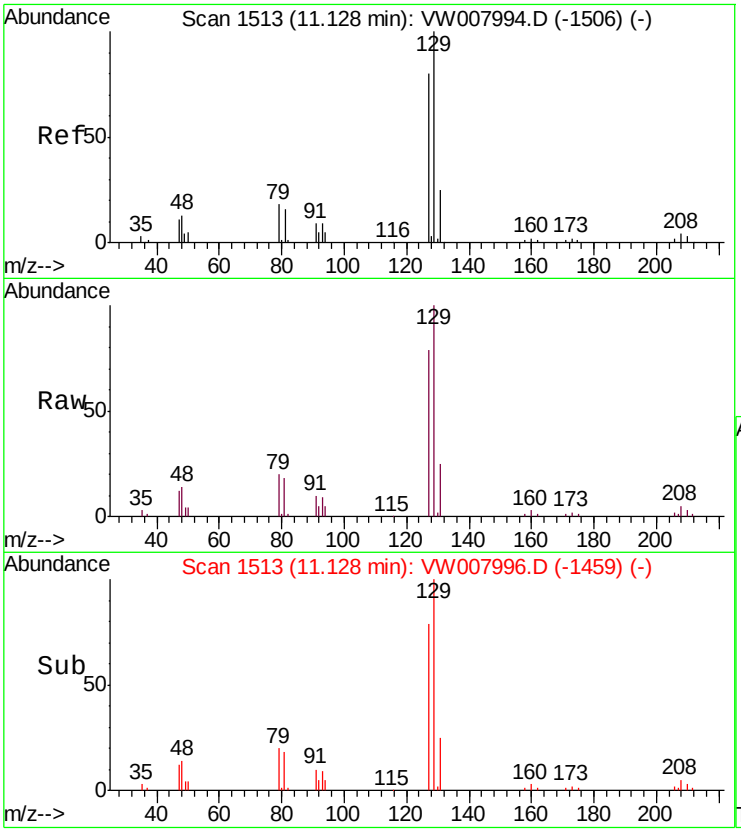


#49
2-Hexanone
Concen: 35.558 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 43 Resp: 21371

Ion	Ratio	Lower	Upper
43	100		
58	53.9	46.2	69.4
57	21.2	17.9	26.9
100	14.3	11.4	17.2



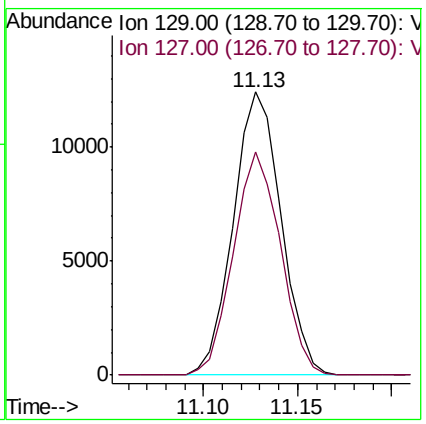


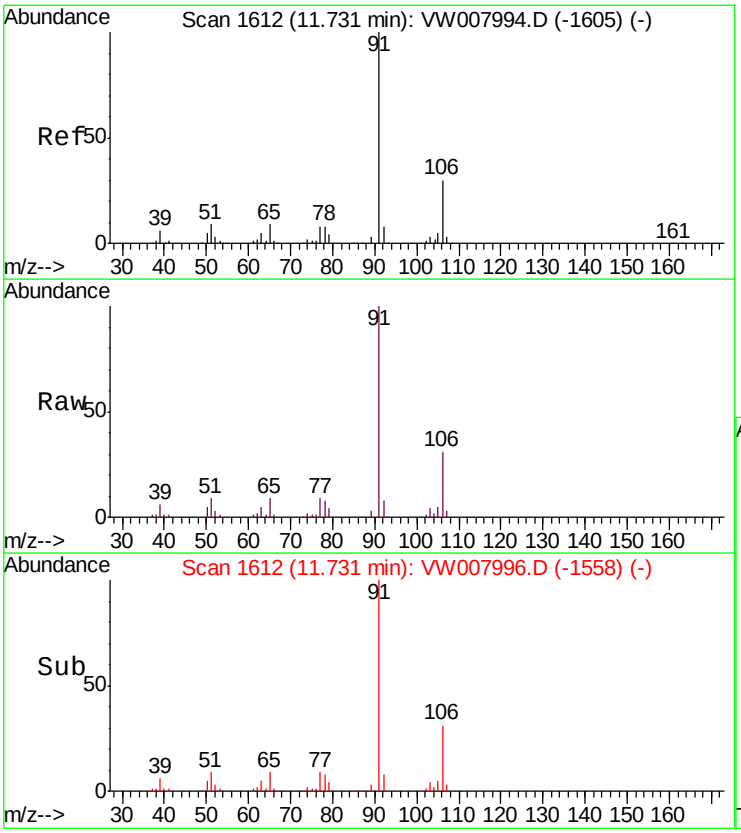
#50
Dibromochloromethane
Concen: 19.248 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion:129 Resp: 21836

Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.8	103.6

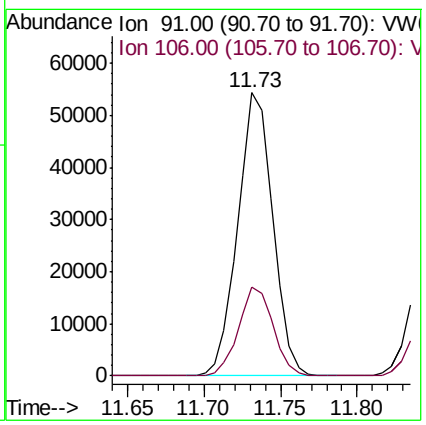


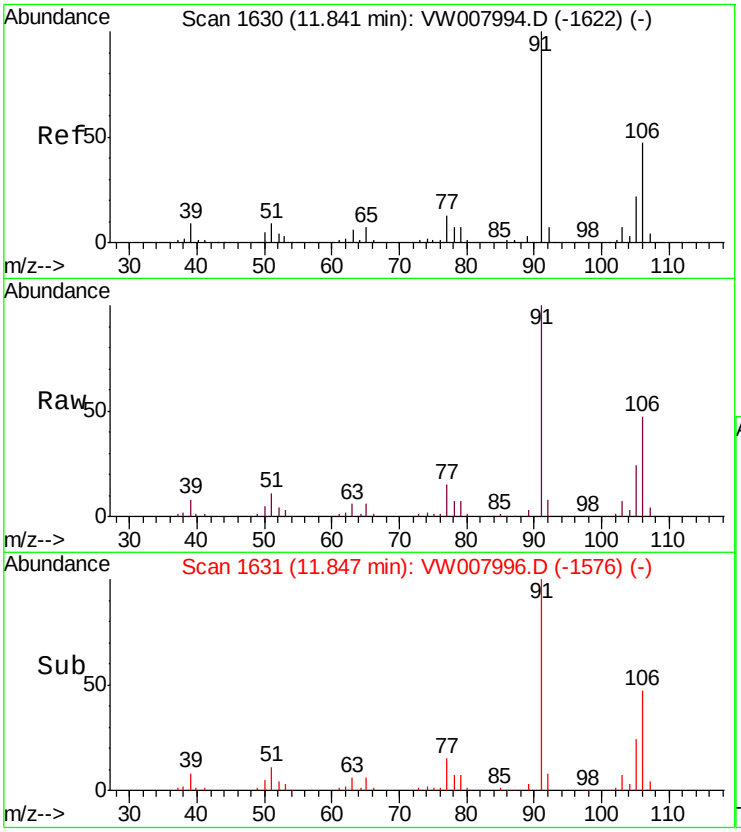


#53
Ethylbenzene
Concen: 15.033 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 91 Resp: 86527

Ion	Ratio	Lower	Upper
91	100		
106	31.3	21.5	39.9



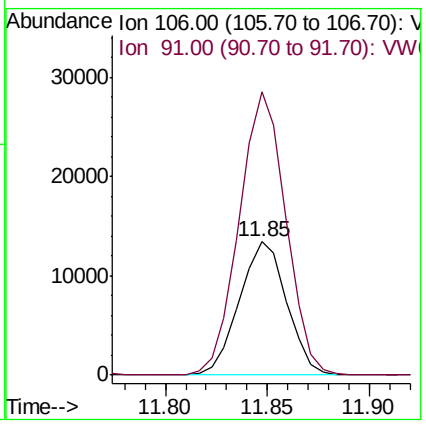


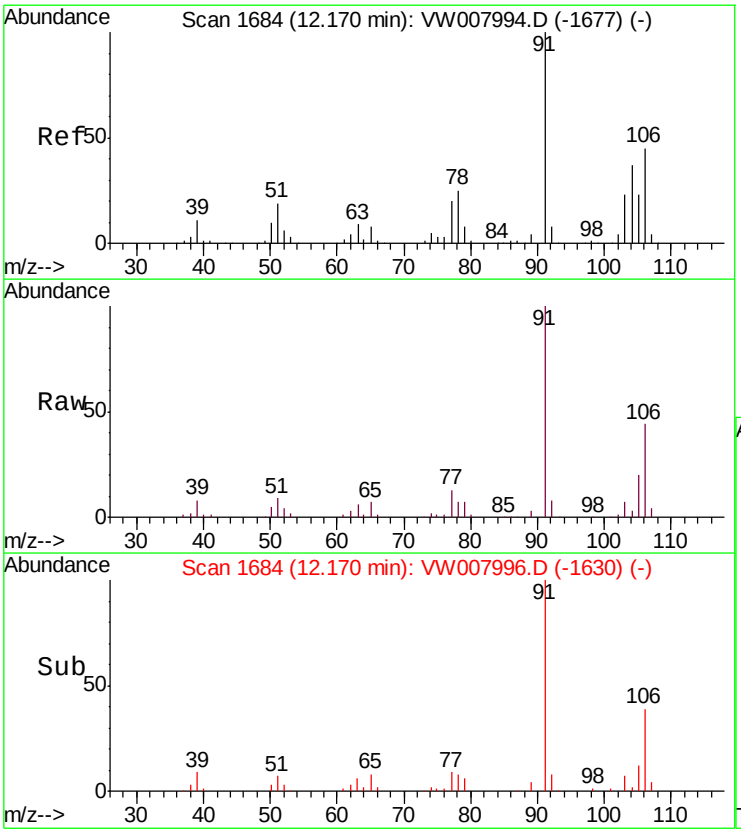
#54
m,p-Xylene
Concen: 10.029 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion:106 Resp: 21747

Ion	Ratio	Lower	Upper
106	100		
91	212.1	147.8	274.4

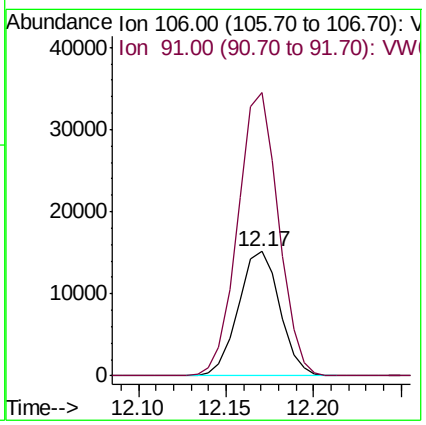


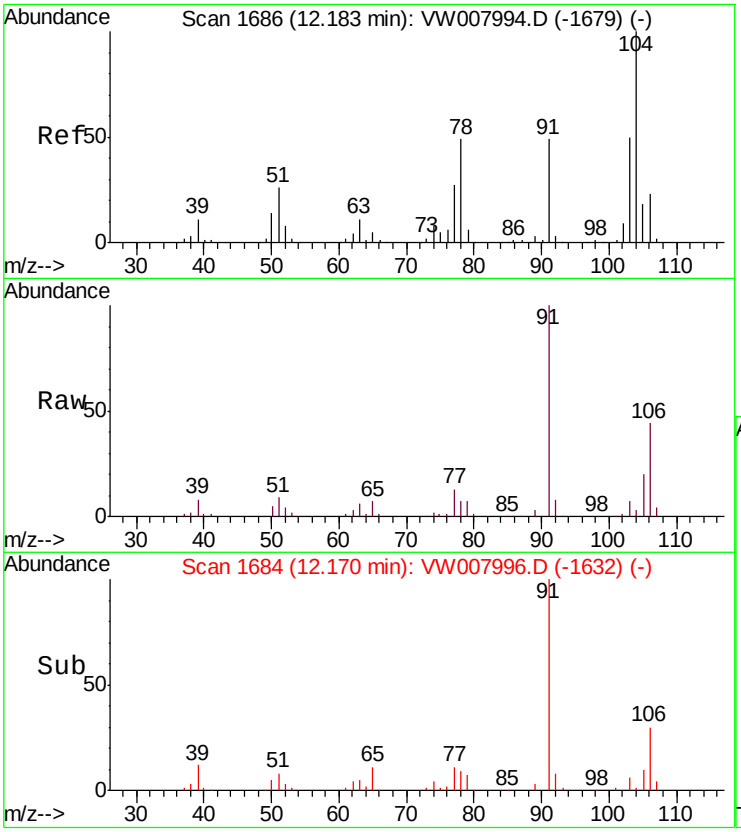


#55
o-xylene
Concen: 12.182 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion:106 Resp: 25054

Ion	Ratio	Lower	Upper
106	100		
91	228.0	156.0	289.6



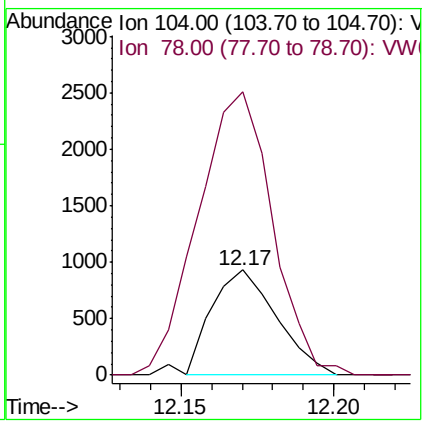


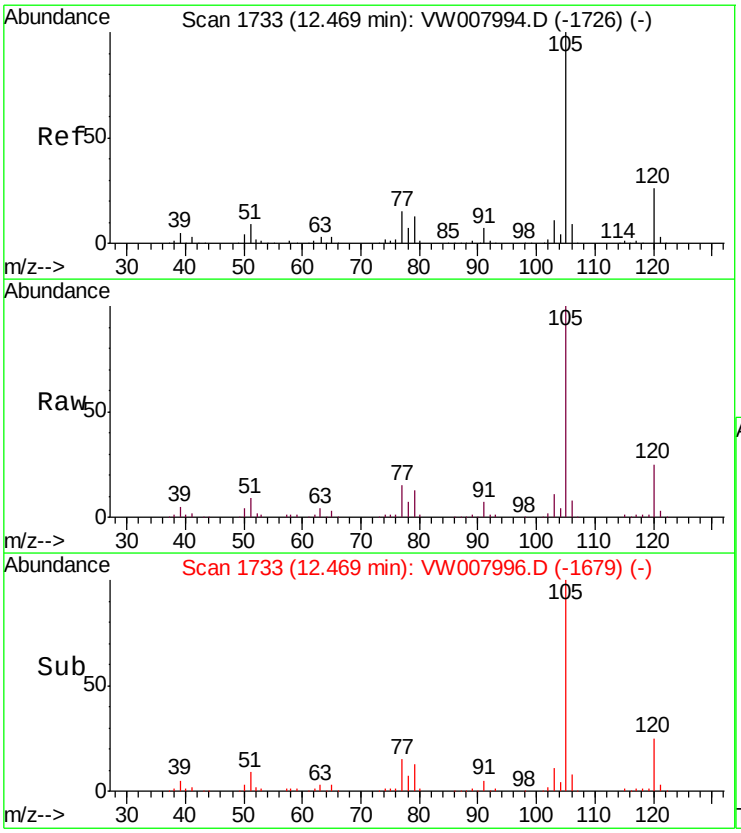
#56
Styrene
Concen: 0.394 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion:104 Resp: 1373

Ion	Ratio	Lower	Upper
104	100		
78	269.6	34.6	64.3#

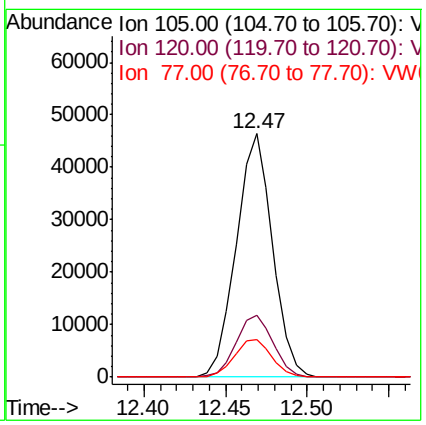


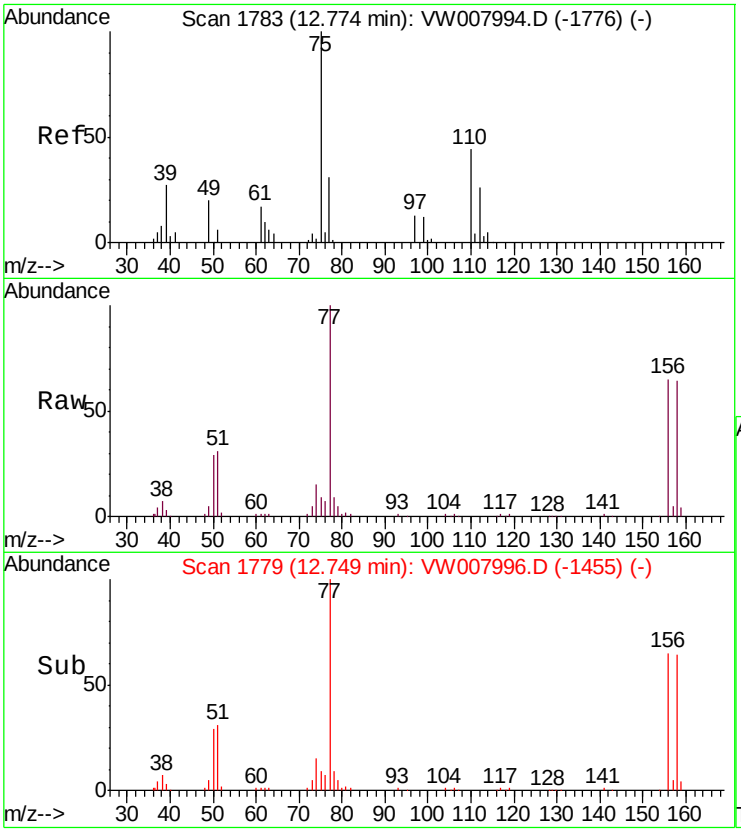


#57
Isopropylbenzene
Concen: 12.308 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion:105 Resp: 71705

Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.1	31.7
77	15.7	12.4	18.6



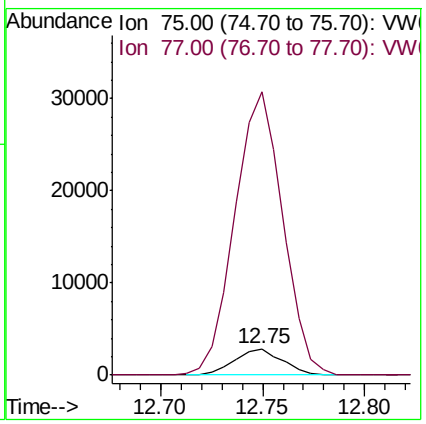


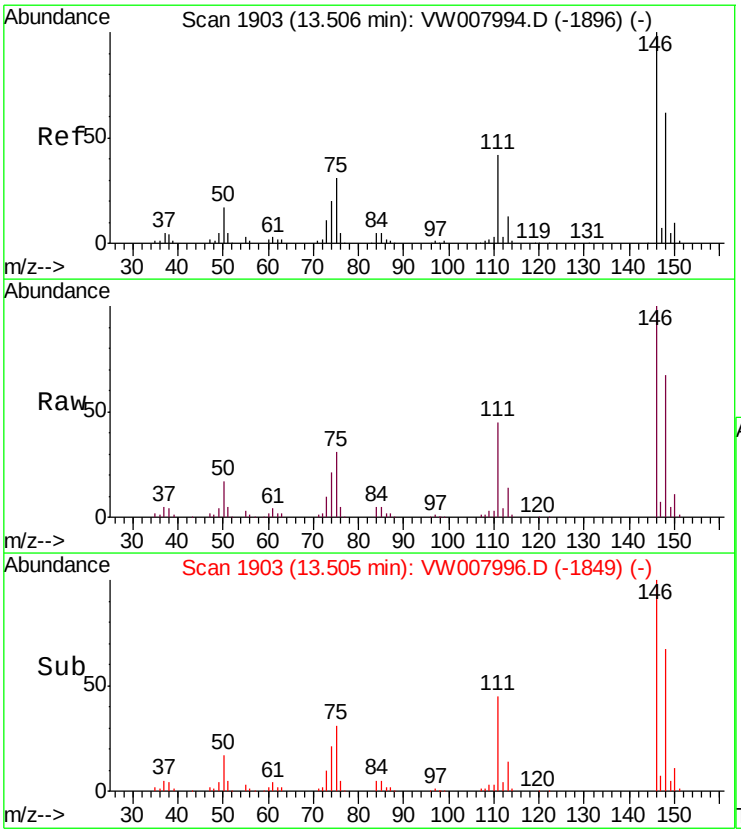
#59
1,2,3-Trichloropropane
Concen: 5.322 ug/L
RT: 12.75 min Scan# 1779
Delta R.T. -0.02 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion: 75 Resp: 4726

Ion	Ratio	Lower	Upper
75	100		
77	1063.8	25.5	38.3#

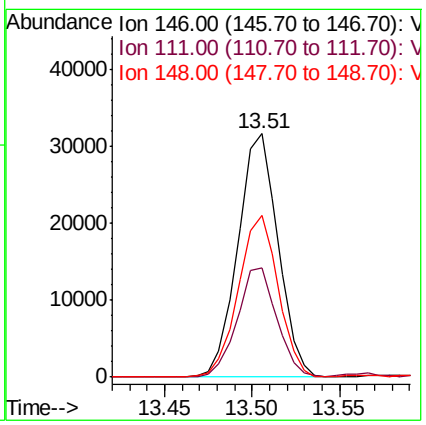


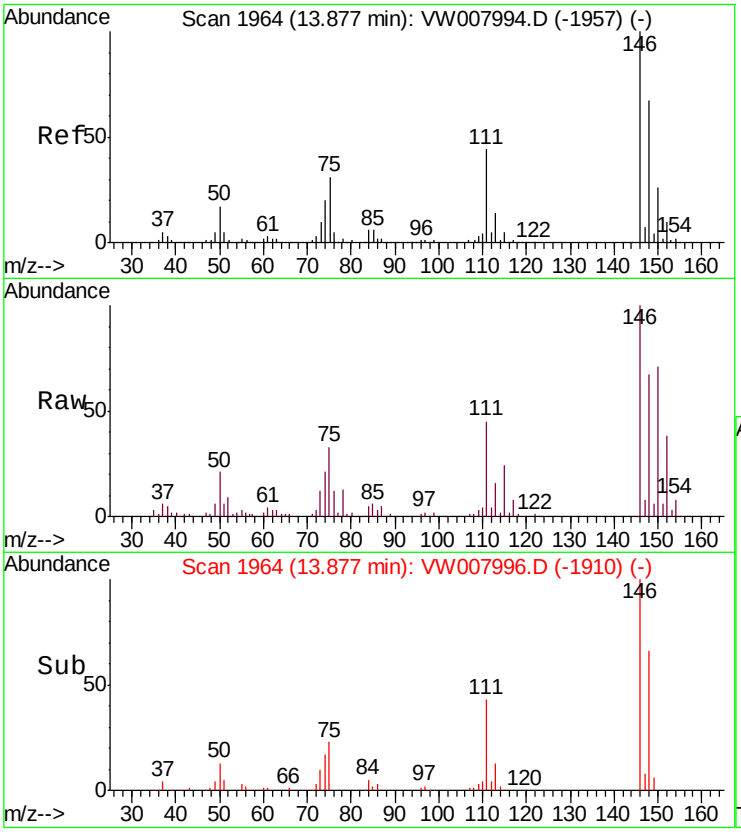


#63
1,3-Dichlorobenzene
Concen: 18.811 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion:146 Resp: 50438

Ion	Ratio	Lower	Upper
146	100		
111	44.9	31.0	57.6
148	66.5	43.6	81.0



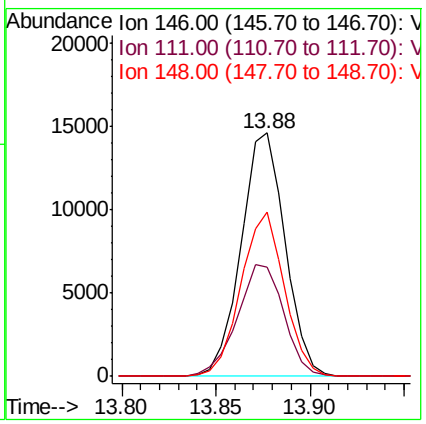


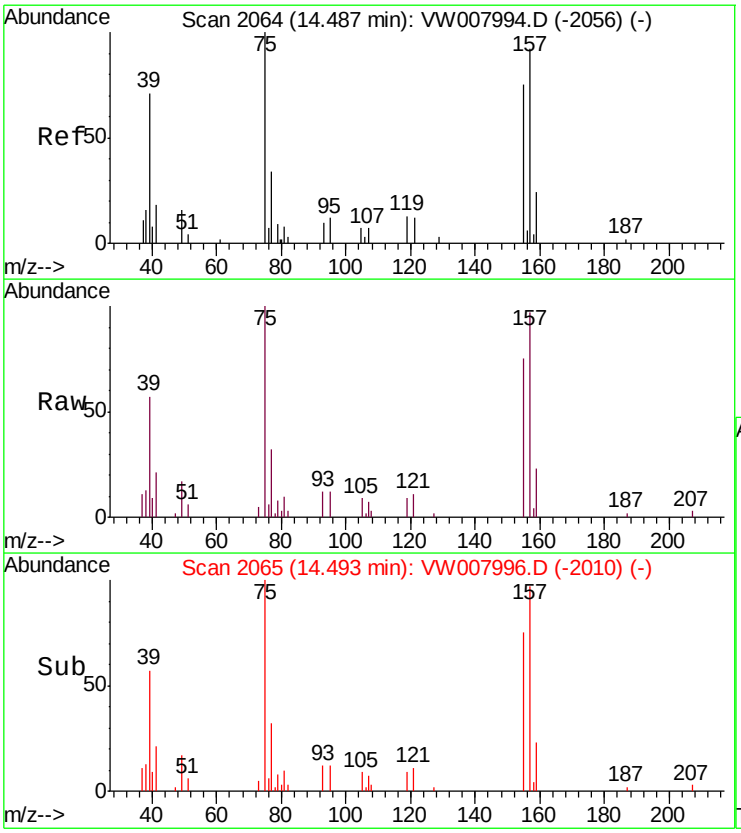
#65
1,2-Dichlorobenzene
Concen: 9.743 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion:146 Resp: 23714

Ion	Ratio	Lower	Upper
146	100		
111	44.7	36.4	54.6
148	67.3	51.0	76.4

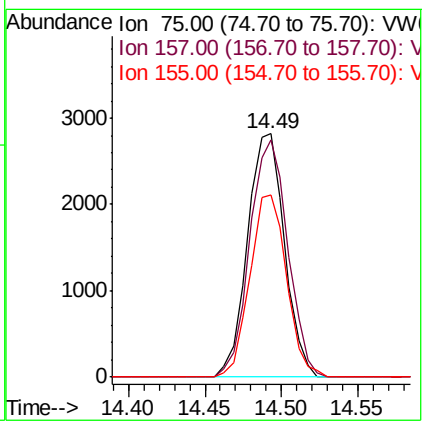


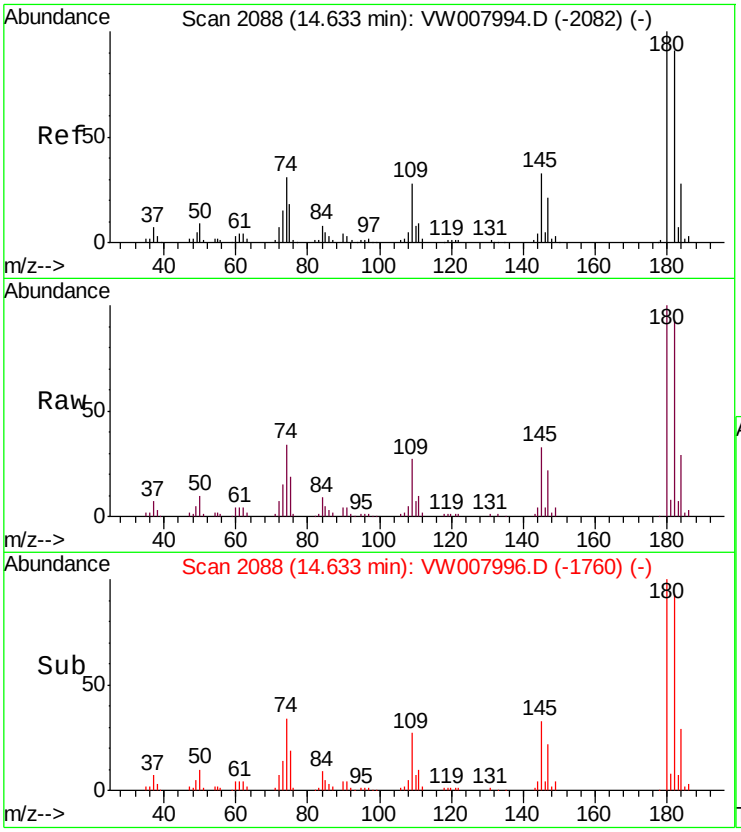


#66
1,2-Dibromo-3-chloropropane
Concen: 19.744 ug/L
RT: 14.49 min Scan# 2065
Delta R.T. 0.01 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Tgt Ion: 75 Resp: 4738

Ion	Ratio	Lower	Upper
75	100		
157	97.4	85.6	128.4
155	74.7	63.4	95.0





#67
1,3,5-Trichlorobenzene
Concen: 23.716 ug/L
RT: 14.63 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VW007996.D
Acq: 28 Dec 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :
GAEP8

Tgt Ion:180 Resp: 46575

Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.4
184	30.5	23.5	35.3
145	34.0	26.6	39.8