Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071319\
Data File : VW011233.D
Acq On : 12 Jul 2019 11:06
Operator : SY/VA
Sample : K3724-17
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB8S9

Quant Time: Jul 13 05:59:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 05:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	374135	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337159	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164887	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	117229	20.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.08%			
7) Chloroethane-d5	2.88	69	83033	20.72	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.88%			
10) 1,1-Dichloroethene-d2	4.02	63	258067	21.33	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 85.32%			
20) 2-Butanone-d5	7.07	46	105014	46.66	ug/L	-0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.32%			
24) Chloroform-d	7.65	84	215112	20.98	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 83.92%			
26) 1,2-Dichloroethane-d4	8.30	65	137669	21.80	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.20%			
29) Benzene-d6	8.27	84	453306	21.82	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.28%			
33) 1,2-Dichloropropane-d6	9.27	67	149441	22.10	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.40%			
37) Toluene-d8	10.32	98	398727	21.54	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.16%			
38) trans-1,3-Dichloropropene-	10.58	79	63593	22.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.44%			
39) 2-Hexanone-d5	10.92	63	72765	46.91	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.82%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123848	22.14	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 88.56%			
61) 1,2-Dichlorobenzene-d4	13.85	152	136791	21.61	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 86.44%			
Target Compounds						Qvalue
3) Chloromethane	2.21	50	99787	19.974	ug/L	99
6) Bromomethane	2.77	94	29733	9.747	ug/L	96
9) Trichlorofluoromethane	3.24	101	32275	14.457	ug/L	99
12) 1,1-Dichloroethene	4.04	96	109966	22.366	ug/L	87
13) Acetone	4.12	43	158423	72.073	ug/L	99
15) Methyl Acetate	4.66	43	144078	40.283	ug/L	99
16) Methylene chloride	4.92	84	58749	10.686	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	250590	32.865	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	54330	10.935	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	140484	26.122	ug/L	99
23) Bromochloromethane	7.51	128	35563	15.760	ug/L	98
27) 1,2-Dichloroethane	8.40	62	75340	10.316	ug/L	100
30) Cyclohexane	7.95	56	109344	10.667	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	74155	10.597	ug/L	99
32) Carbon tetrachloride	8.07	117	84428	12.865	ug/L	98
35) Trichloroethene	9.09	95	221050	41.570	ug/L	99
36) Methylcyclohexane	9.33	83	255730	26.724	ug/L	100

Quantitation Report (LSC Reviewed)

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Operator : SY/VA
Sample : K3724-17
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB8S9

Quant Time: Jul 13 05:59:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 05:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2-Dichloropropane	9.37	63	76425	13.236	ug/L	100
41) Bromodichloromethane	9.64	83	136526	20.508	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	151456	17.777	ug/L	96
44) Toluene	10.38	91	459770	21.080	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	62638	8.885	ug/L	99
47) Tetrachloroethene	10.86	164	167878	41.773	ug/L	97
49) 2-Hexanone	10.97	43	169003	43.377	ug/L	99
50) Dibromochloromethane	11.13	129	87038	20.441	ug/L	99
53) Ethylbenzene	11.73	91	386574	15.626	ug/L	100
54) m,p-Xylene	11.85	106	92368	10.283	ug/L	95
55) o-xylene	12.16	106	108826	12.736	ug/L	94
57) Isopropylbenzene	12.46	105	304955	13.074	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	209813	20.682	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	99485	10.536	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	18038	19.457	ug/L	98

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

Quantitation Report (LSC Reviewed)

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Quant Time: Jul 13 05:59:45 2019
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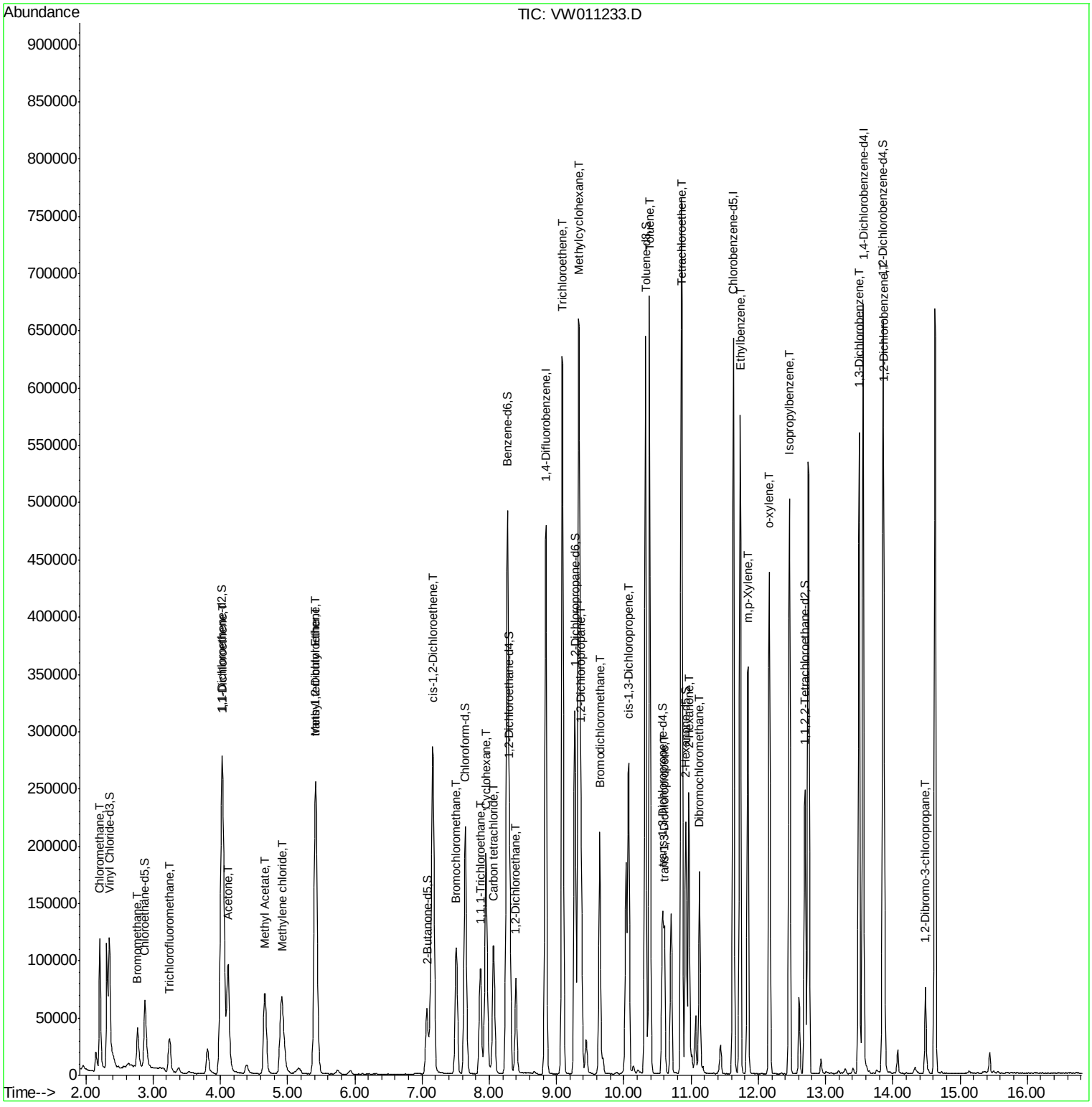
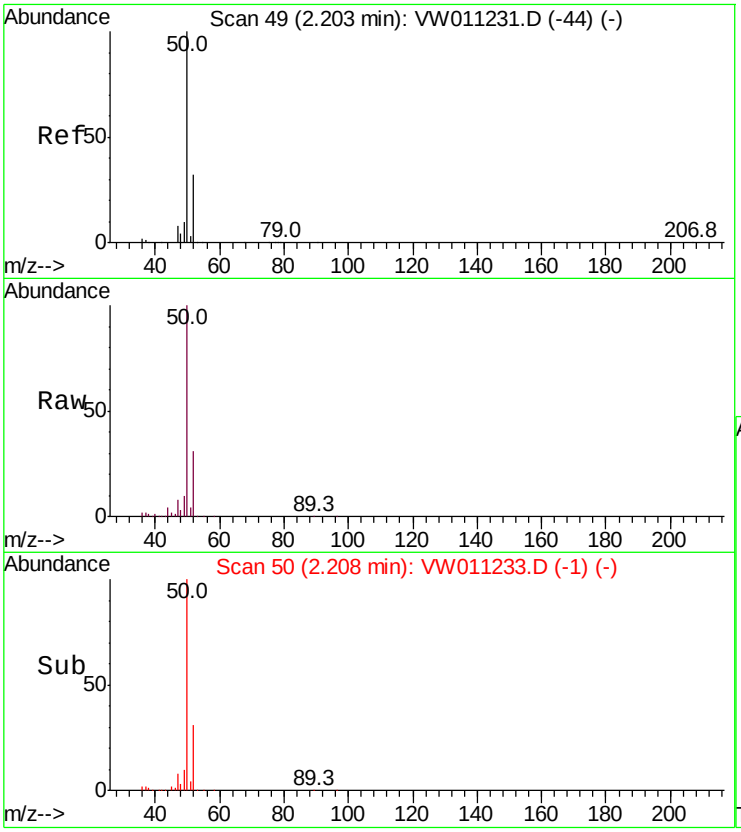
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 05:32:10 2019
Response via : Initial Calibration



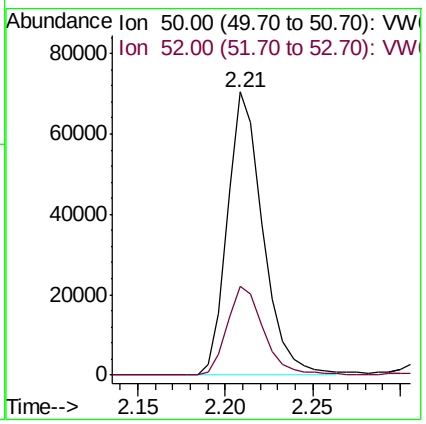


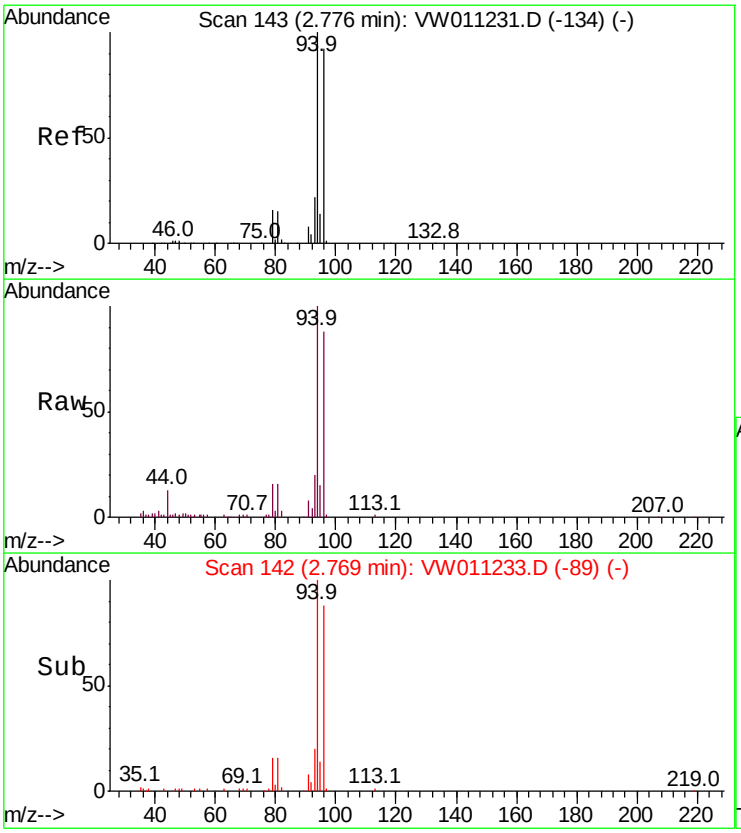
#3
Chloromethane
Concen: 19.974 ug/L
RT: 2.21 min Scan# 50
Delta R.T. 0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion: 50 Resp: 99787

Ion	Ratio	Lower	Upper
50	100		
52	31.4	22.3	41.5

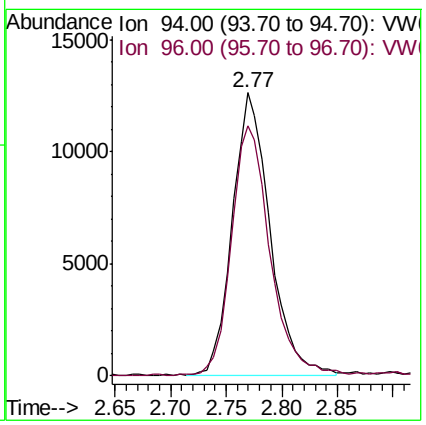


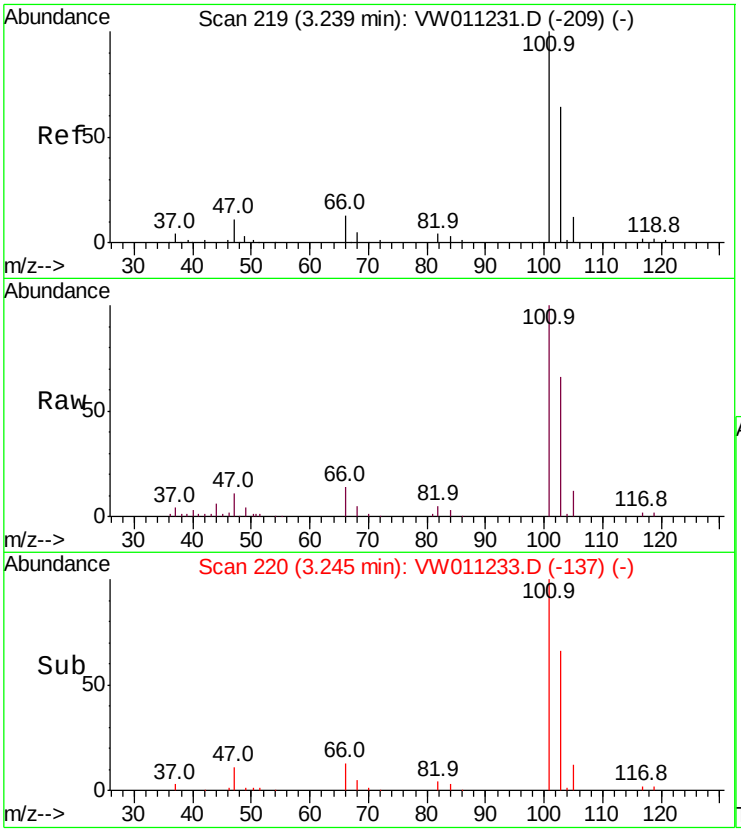


#6
Bromomethane
Concen: 9.747 ug/L
RT: 2.77 min Scan# 142
Delta R.T. -0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 94 Resp: 29733

Ion	Ratio	Lower	Upper
94	100		
96	89.8	9.3	177.3



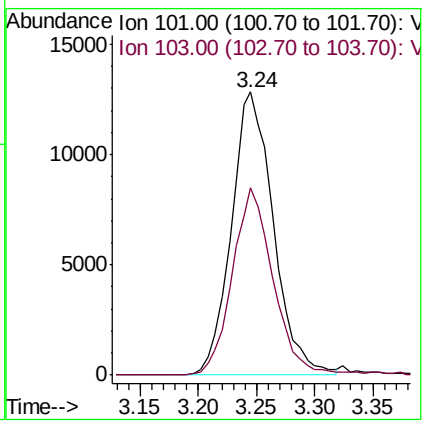


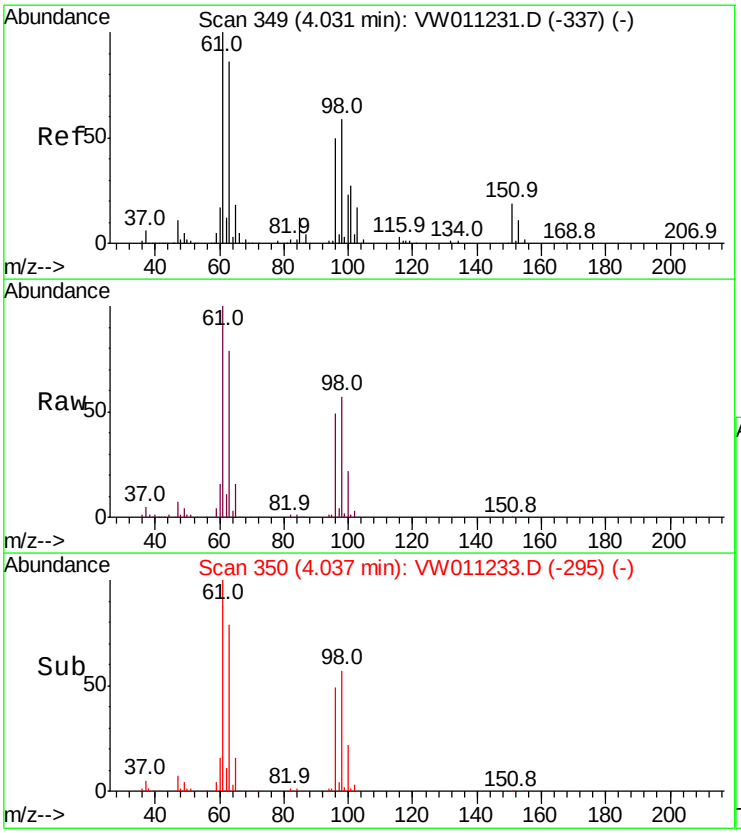
#9
Trichlorofluoromethane
Concen: 14.457 ug/L
RT: 3.24 min Scan# 220
Delta R.T. 0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
DB8S9

Tgt Ion:101 Resp: 32275

Ion	Ratio	Lower	Upper
101	100		
103	64.4	44.6	82.8

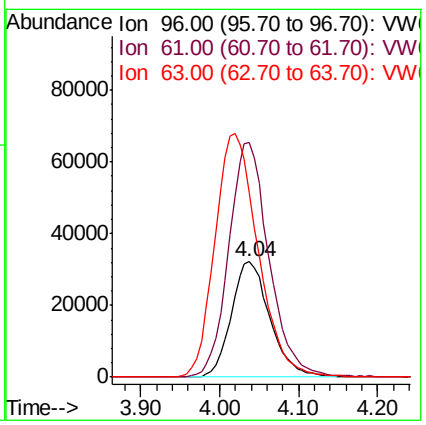


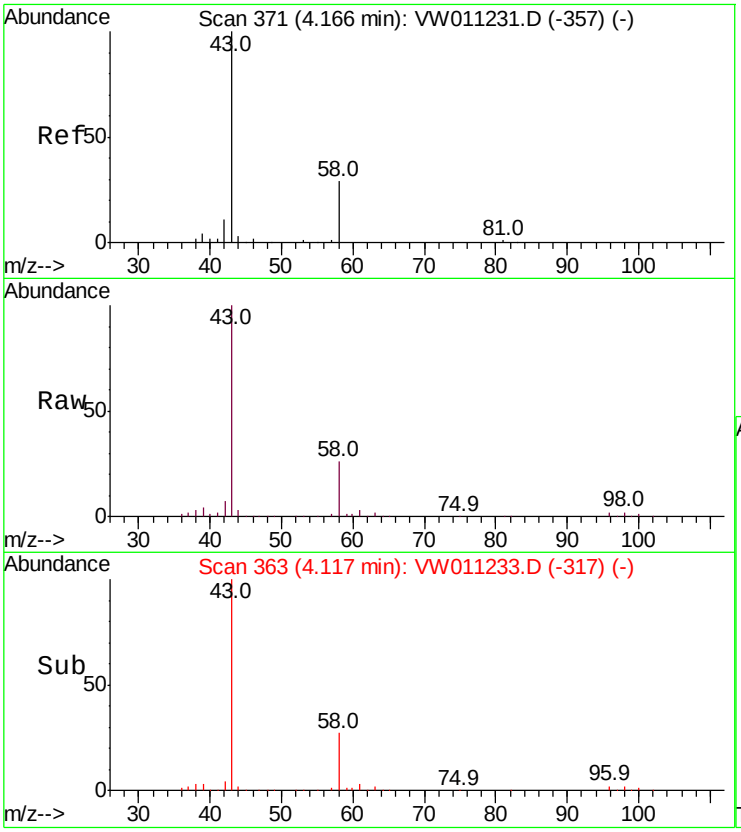


#12
1,1-Dichloroethene
Concen: 22.366 ug/L
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 96 Resp: 109966

Ion	Ratio	Lower	Upper
96	100		
61	202.7	142.2	264.0
63	160.3	138.9	257.9



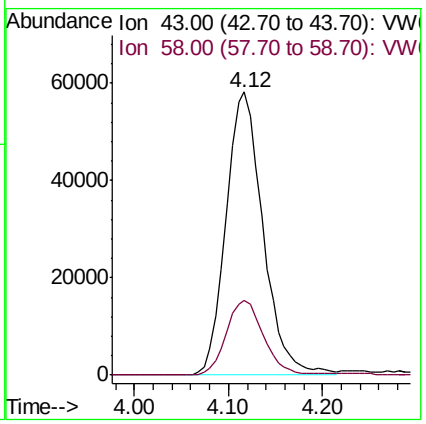


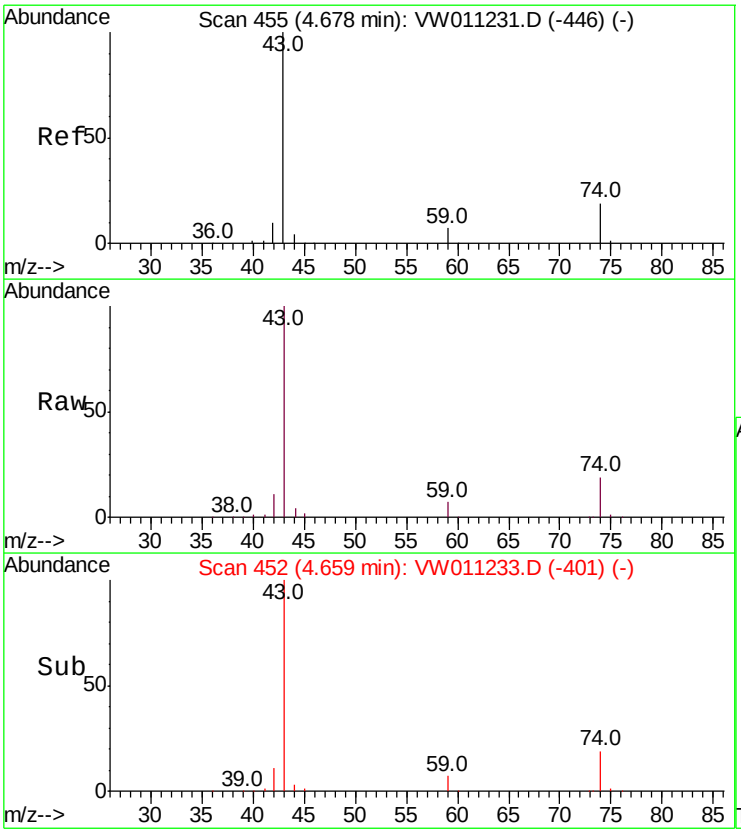
#13
Acetone
Concen: 72.073 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.05 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion: 43 Resp: 158423

Ion	Ratio	Lower	Upper
43	100		
58	26.9	0.0	55.0

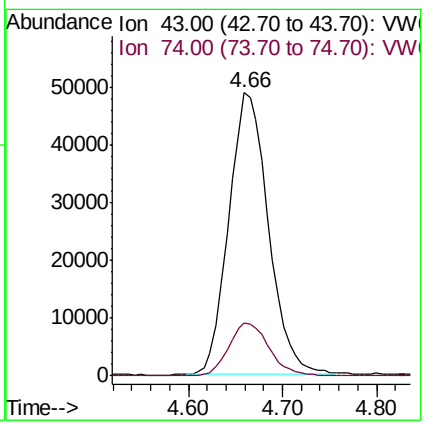


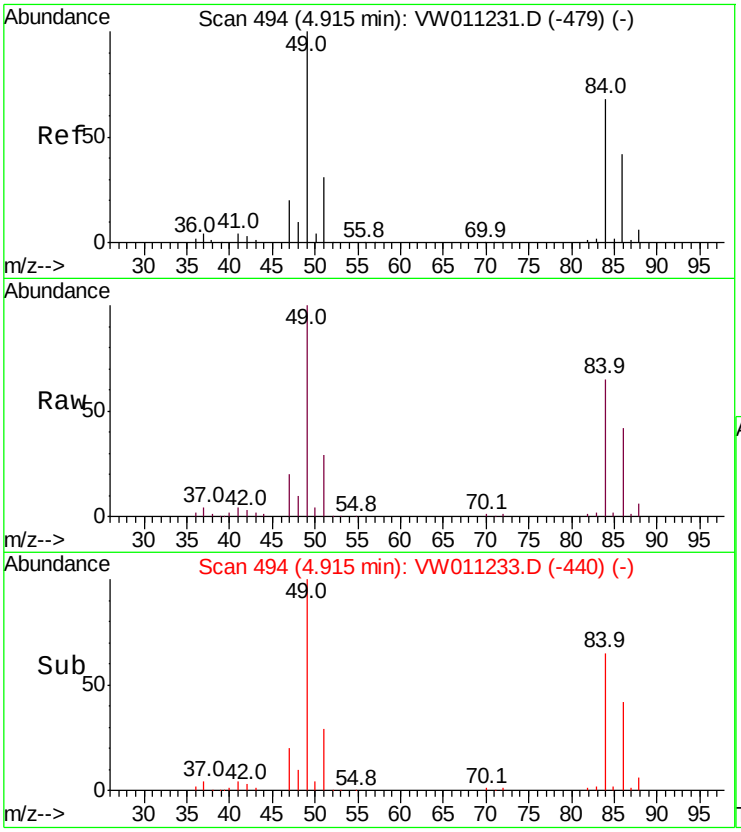


#15
Methyl Acetate
Concen: 40.283 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.02 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 43 Resp: 144078

Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.1	22.7



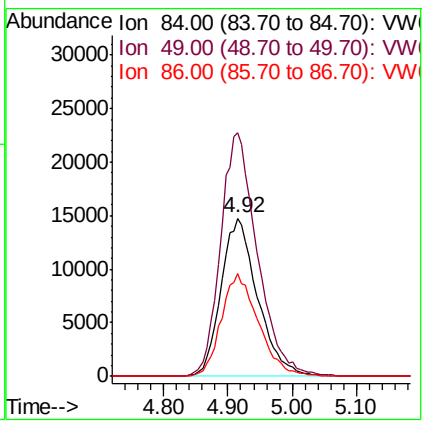


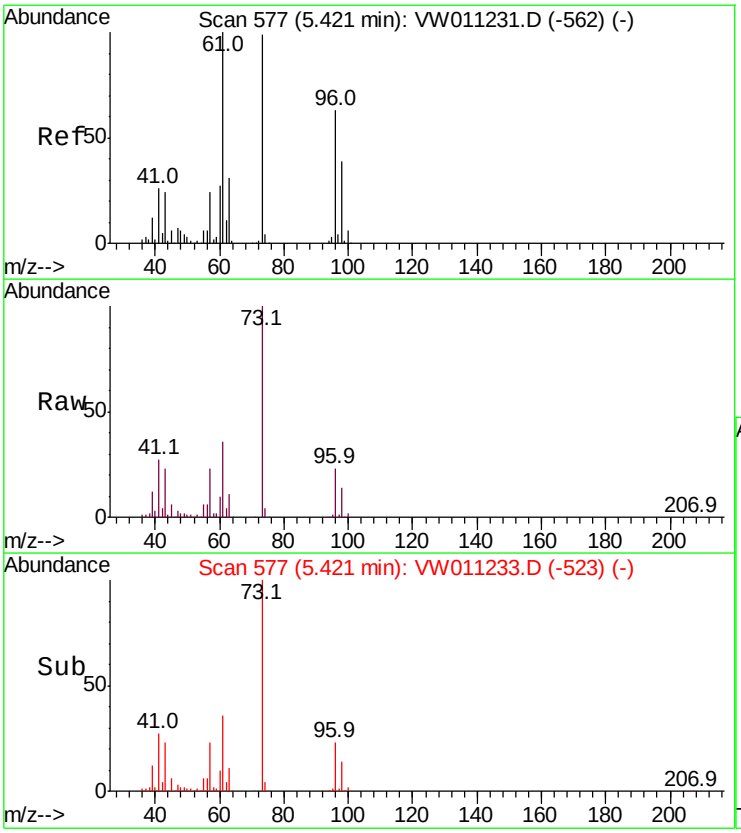
#16
Methylene chloride
Concen: 10.686 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion: 84 Resp: 58749

Ion	Ratio	Lower	Upper
84	100		
49	153.9	102.5	190.3
86	64.8	46.4	86.2

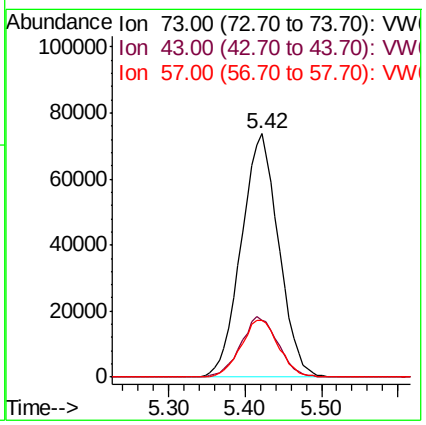


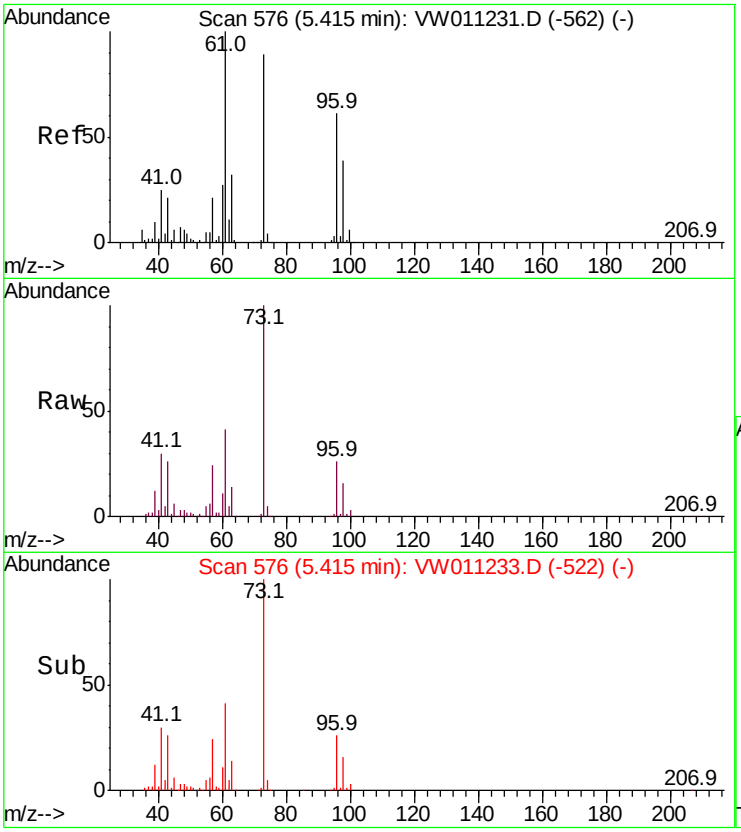


#17
Methyl tert-butyl Ether
Concen: 32.865 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 73 Resp: 250590

Ion	Ratio	Lower	Upper
73	100		
43	24.5	20.2	30.2
57	23.8	19.6	29.4



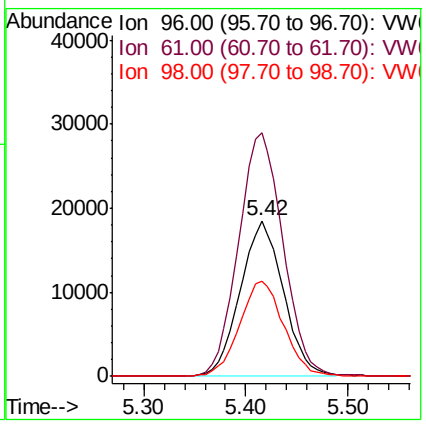


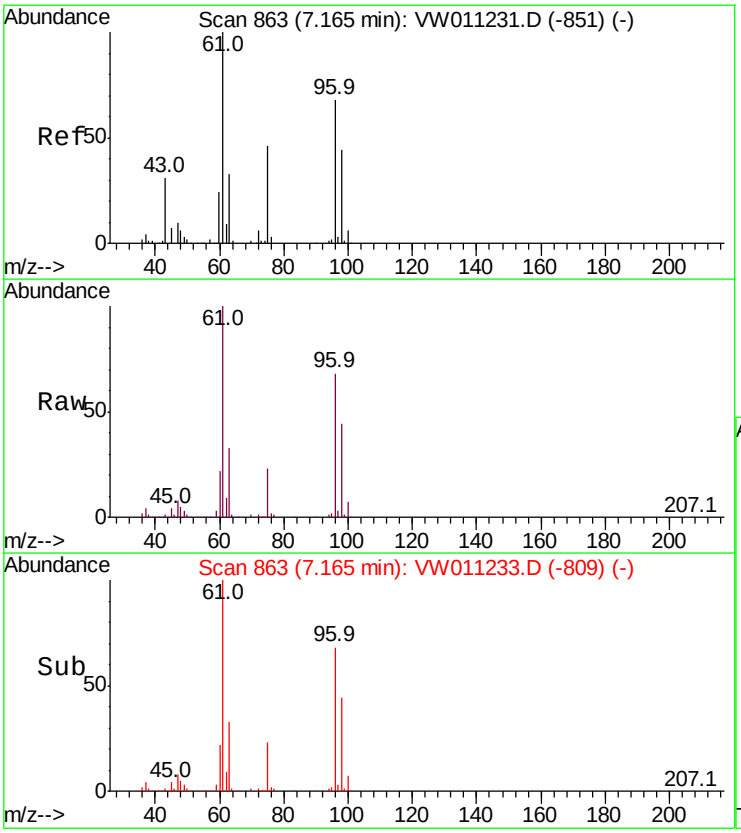
#18
trans-1,2-Dichloroethene
Concen: 10.935 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
DB8S9

Tgt Ion: 96 Resp: 54330

Ion	Ratio	Lower	Upper
96	100		
61	156.7	113.7	211.1
98	61.2	43.3	80.3

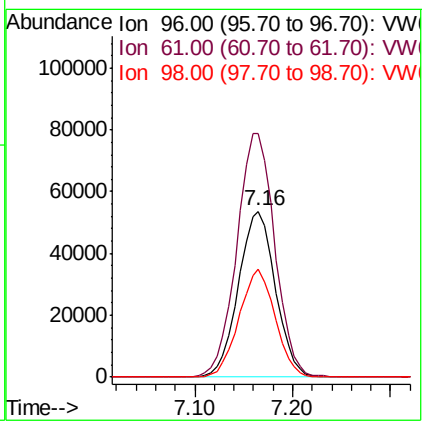


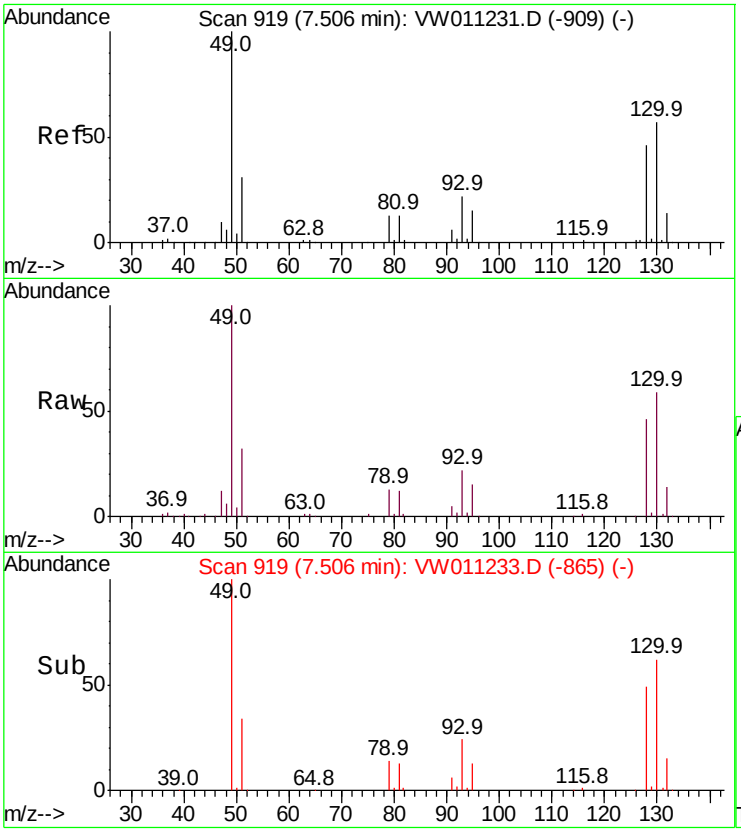


#22
cis-1,2-Dichloroethene
Concen: 26.122 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 96 Resp: 140484

Ion	Ratio	Lower	Upper
96	100		
61	146.5	103.2	191.6
98	64.8	44.8	83.2



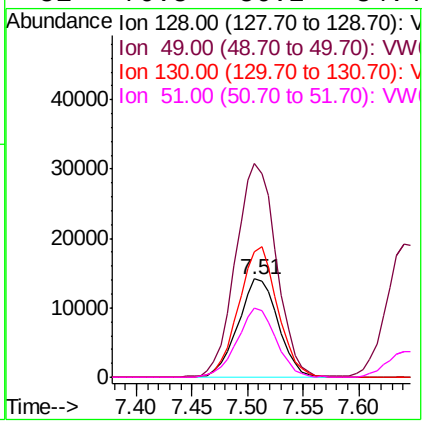


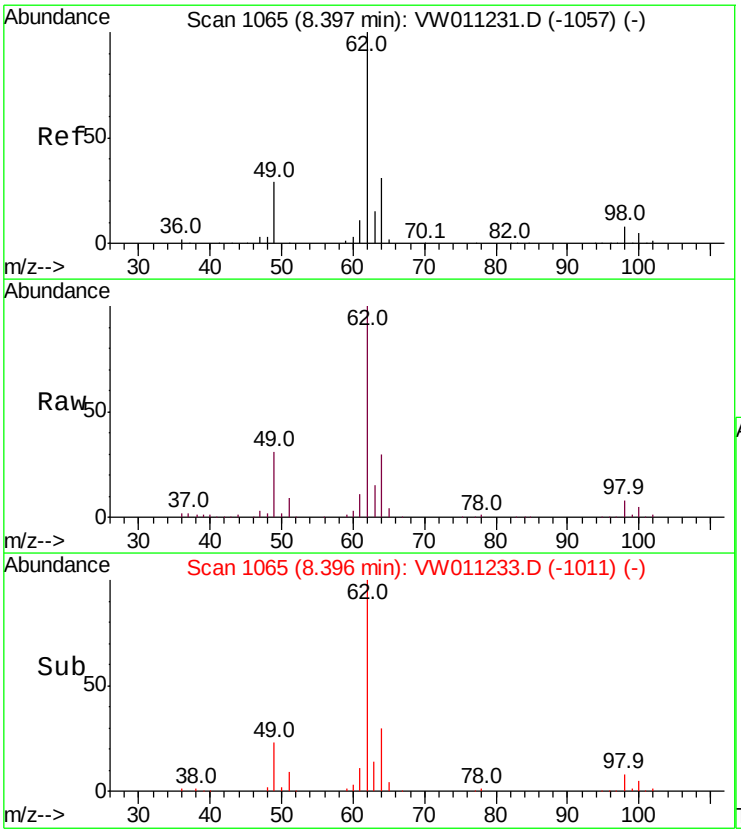
#23
Bromochloromethane
Concen: 15.760 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion:128 Resp: 35563

Ion	Ratio	Lower	Upper
128	100		
49	217.2	153.8	285.6
130	127.2	86.4	160.4
51	70.5	56.2	84.4

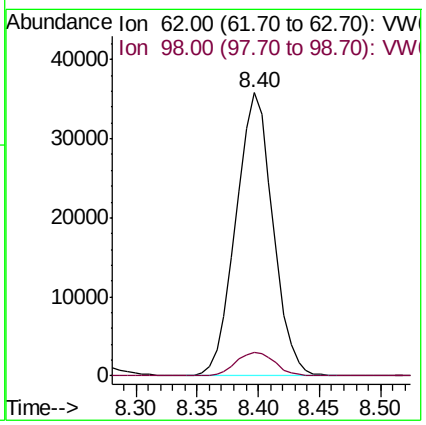


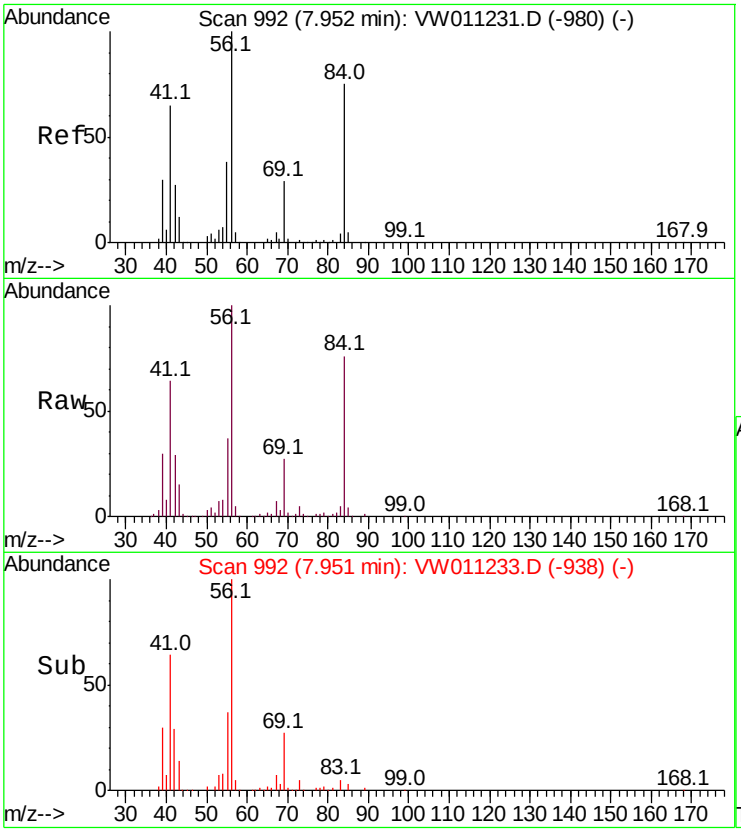


#27
1,2-Dichloroethane
Concen: 10.316 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 62 Resp: 75340

Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.6	10.0



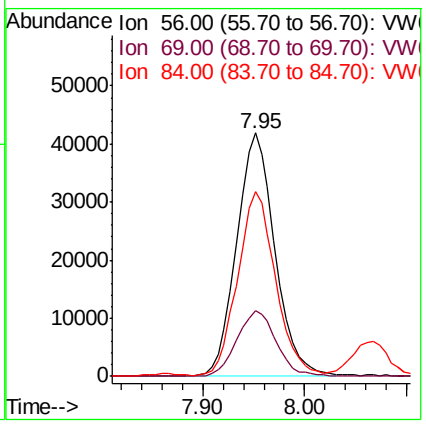


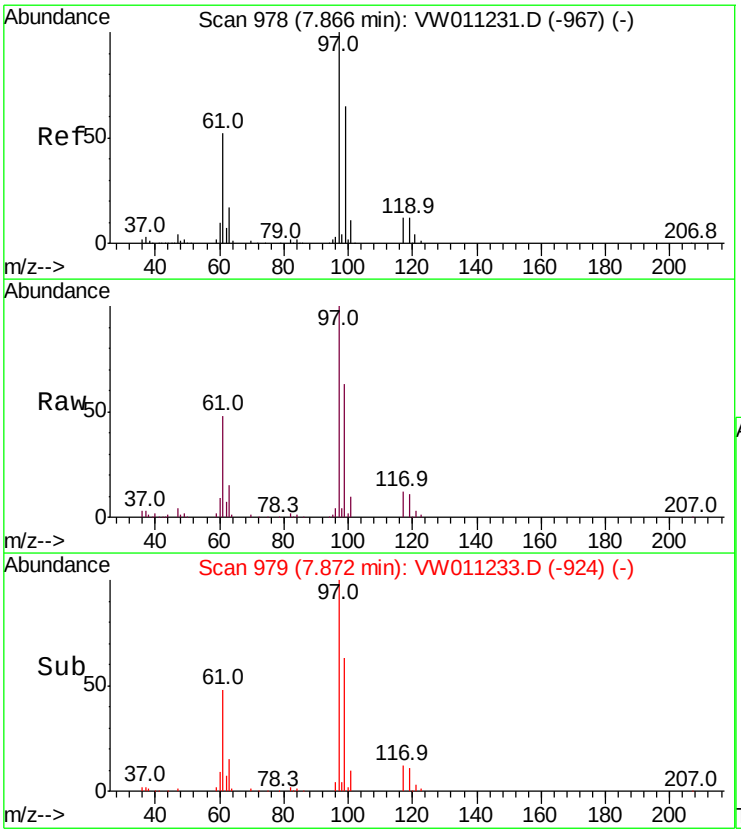
#30
Cyclohexane
Concen: 10.667 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion: 56 Resp: 109344

Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.5	33.7
84	75.3	60.9	91.3

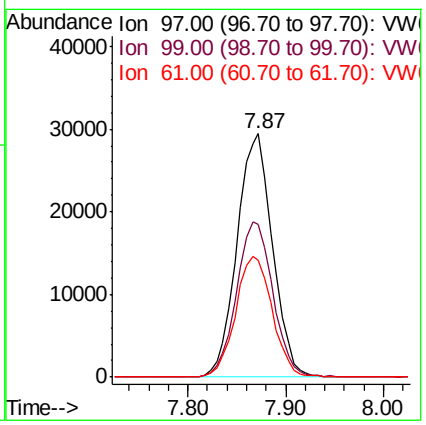


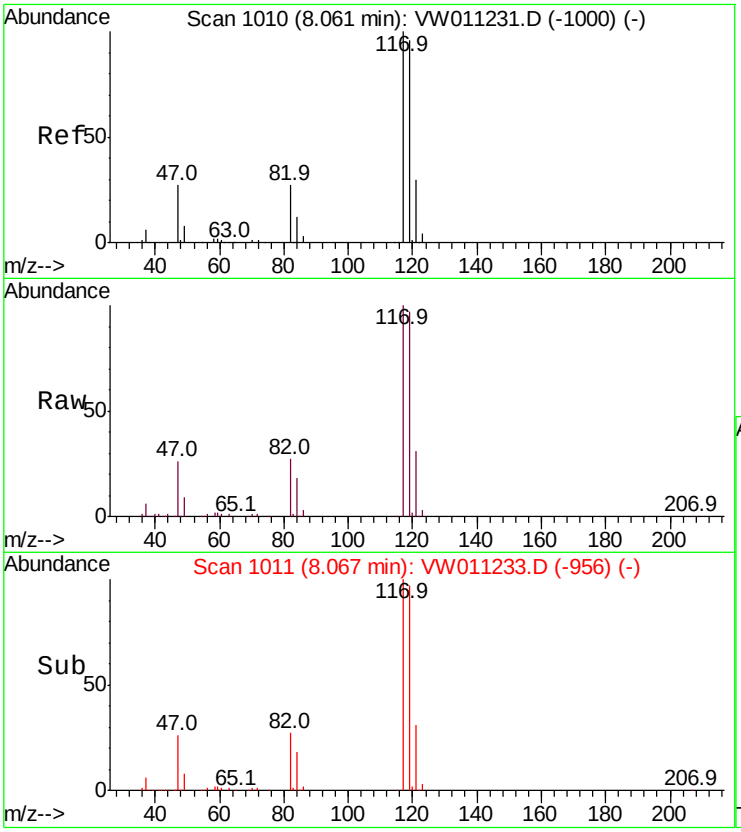


#31
1,1,1-Trichloroethane
Concen: 10.597 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 97 Resp: 74155

Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.6	75.8
61	51.1	40.9	61.3



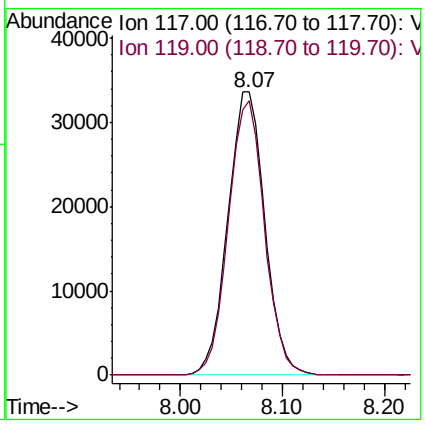


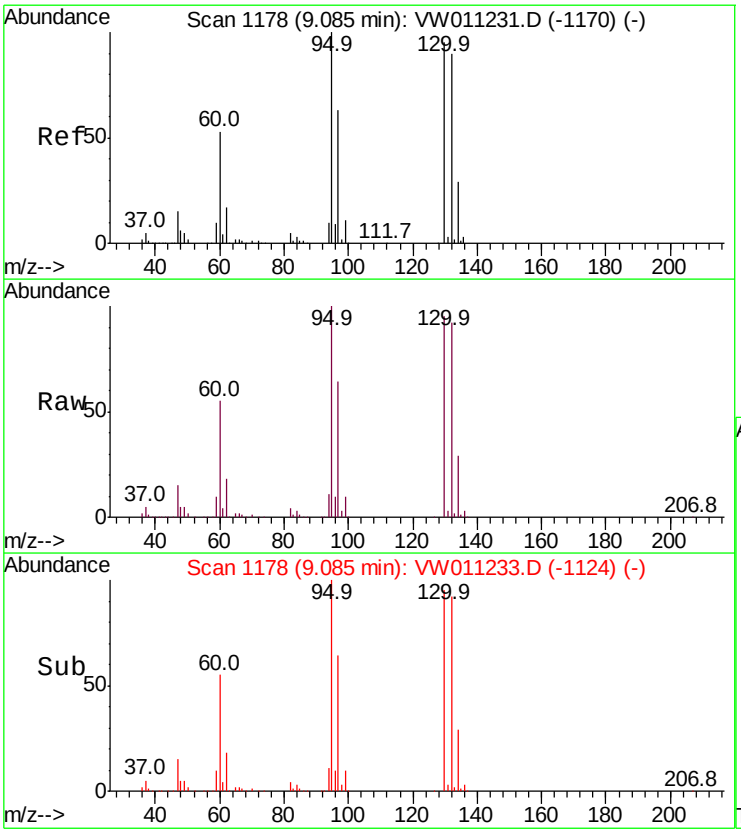
#32
Carbon tetrachloride
Concen: 12.865 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
DB8S9

Tgt Ion:117 Resp: 84428

Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.4	116.0

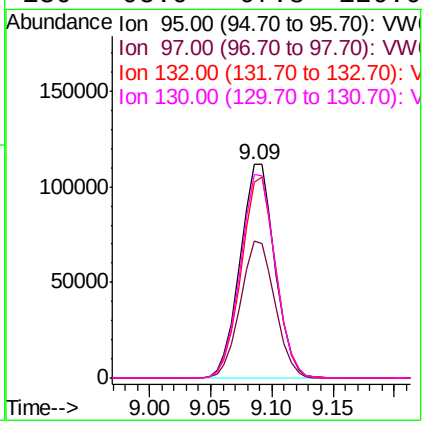


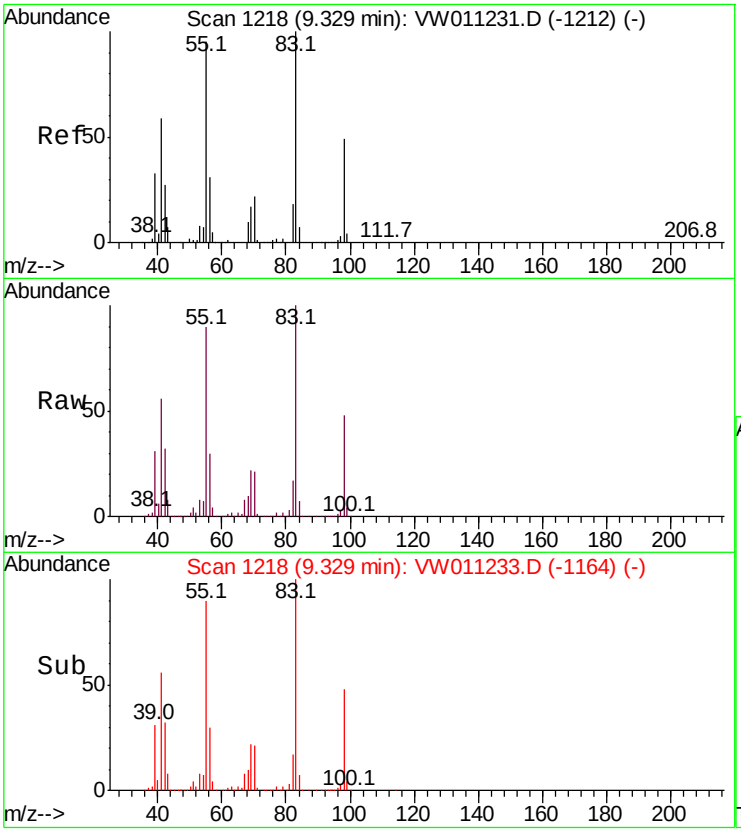


#35
Trichloroethene
Concen: 41.570 ug/L
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 95 Resp: 221050

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.4	84.2
132	93.0	65.0	120.8
130	95.9	67.8	126.0



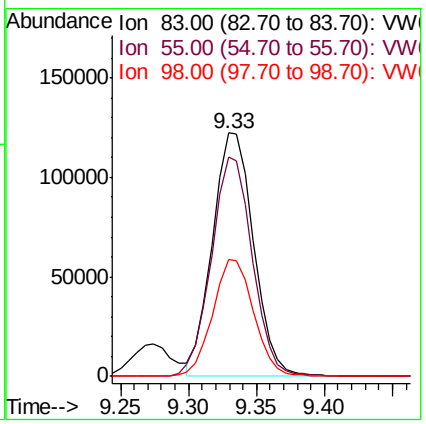


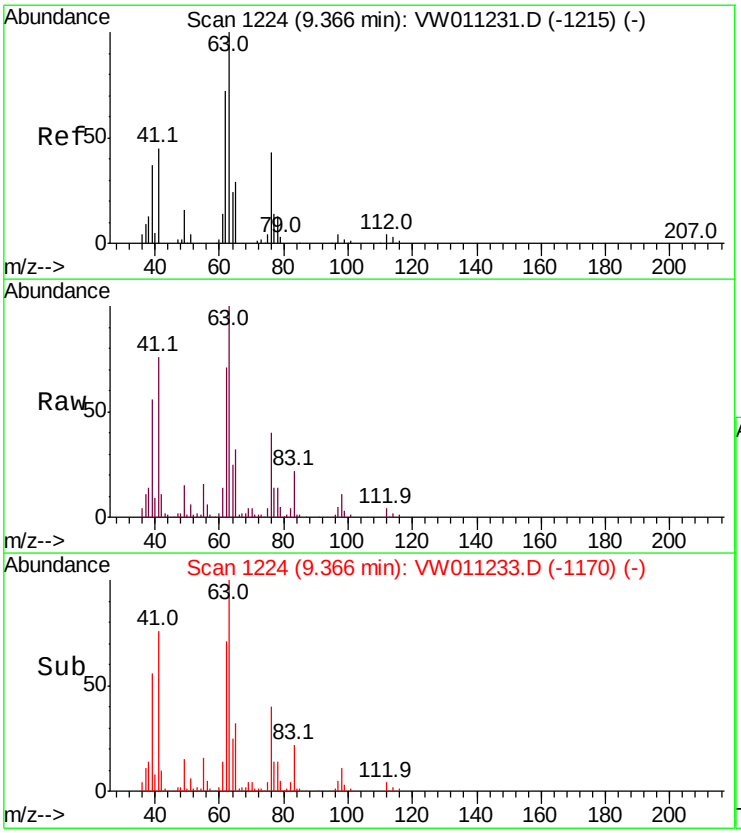
#36
Methylcyclohexane
Concen: 26.724 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
DB8S9

Tgt Ion: 83 Resp: 255730

Ion	Ratio	Lower	Upper
83	100		
55	90.0	72.2	108.4
98	48.0	38.2	57.4

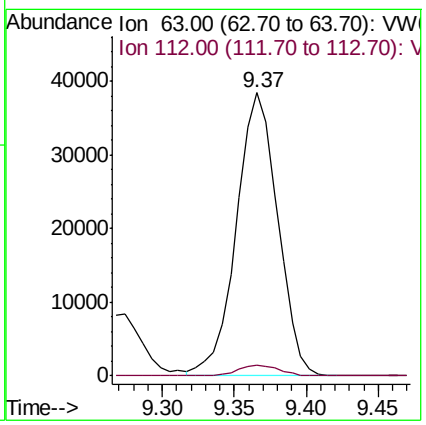


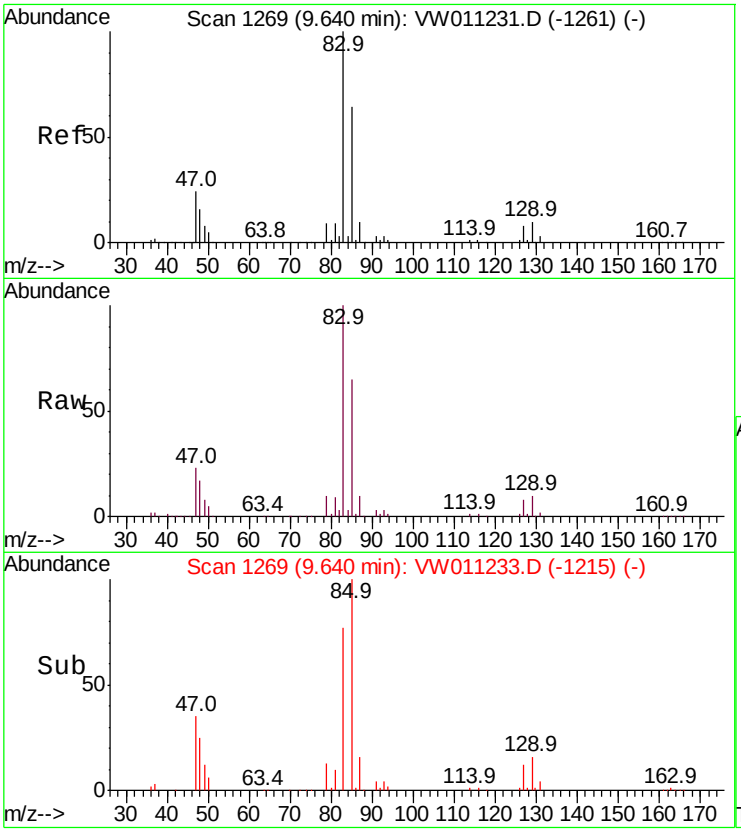


#40
1,2-Dichloropropane
Concen: 13.236 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 63 Resp: 76425

Ion	Ratio	Lower	Upper
63	100		
112	3.9	3.0	4.6



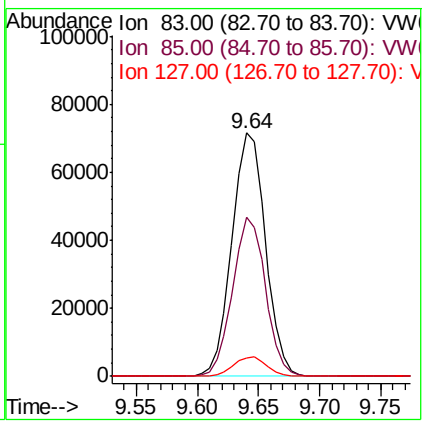


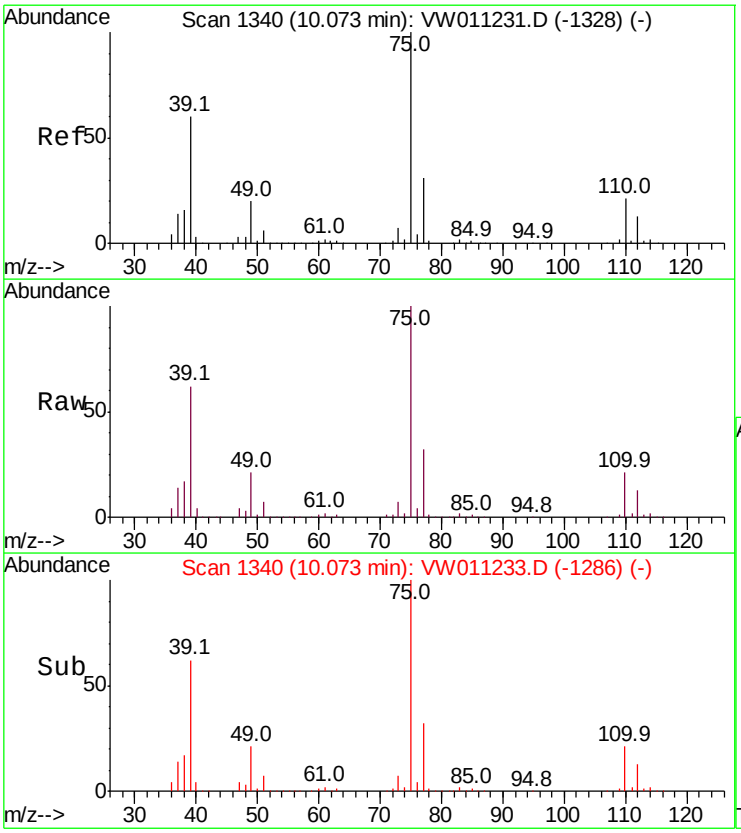
#41
Bromodichloromethane
Concen: 20.508 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion: 83 Resp: 136526

Ion	Ratio	Lower	Upper
83	100		
85	65.3	45.5	84.5
127	7.8	5.8	8.8

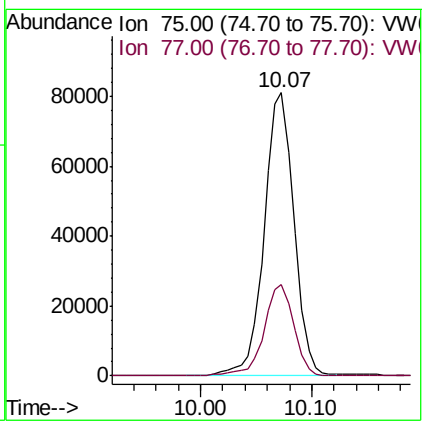


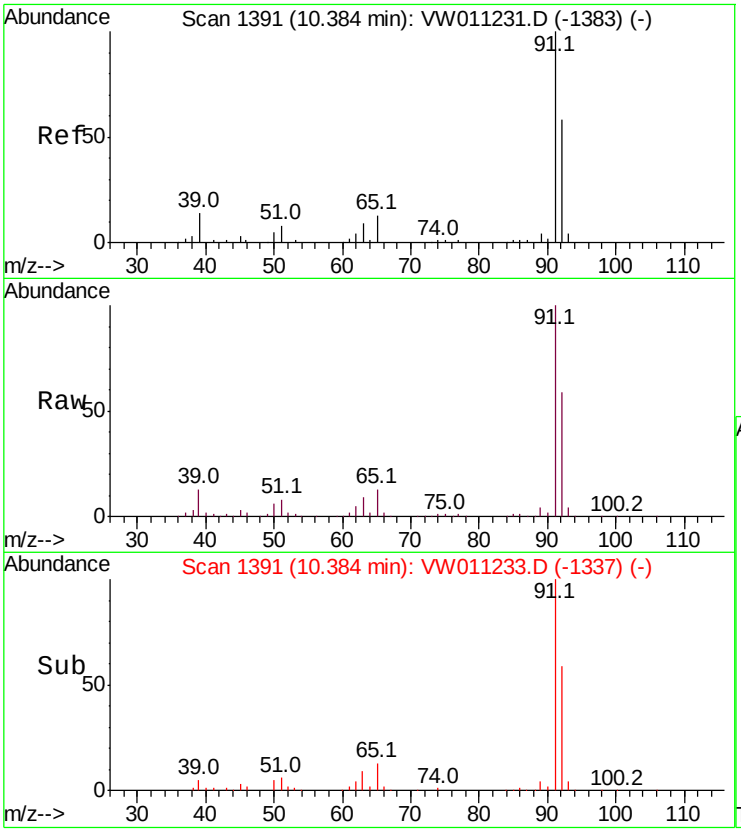


#42
cis-1,3-Dichloropropene
Concen: 17.777 ug/L
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 75 Resp: 151456

Ion	Ratio	Lower	Upper
75	100		
77	32.2	21.1	39.1



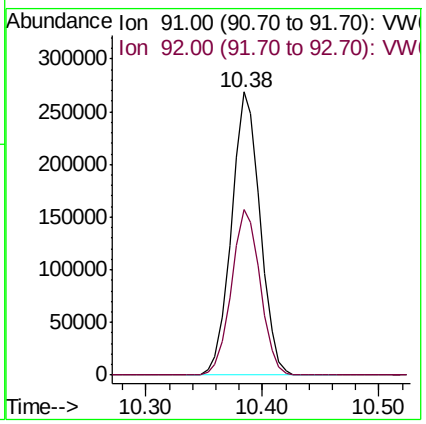


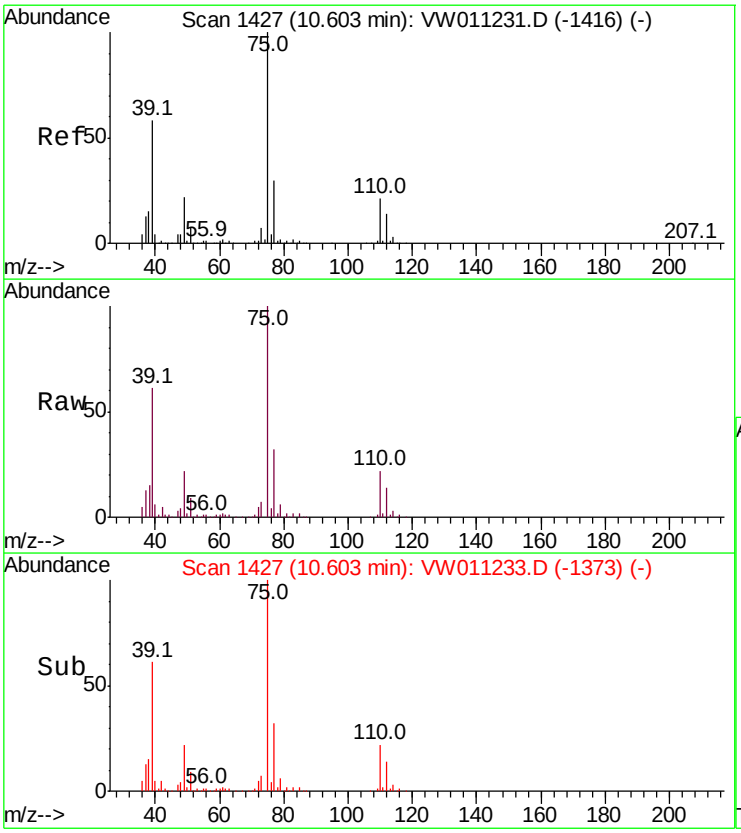
#44
Toluene
Concen: 21.080 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion: 91 Resp: 459770

Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.8	75.8

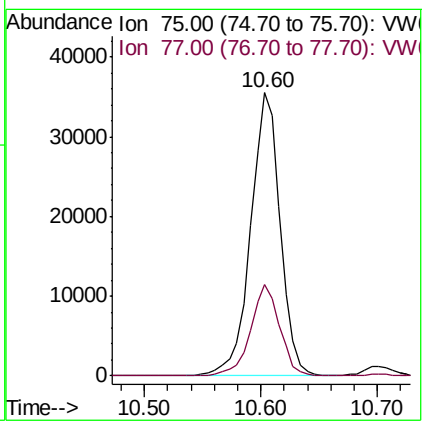


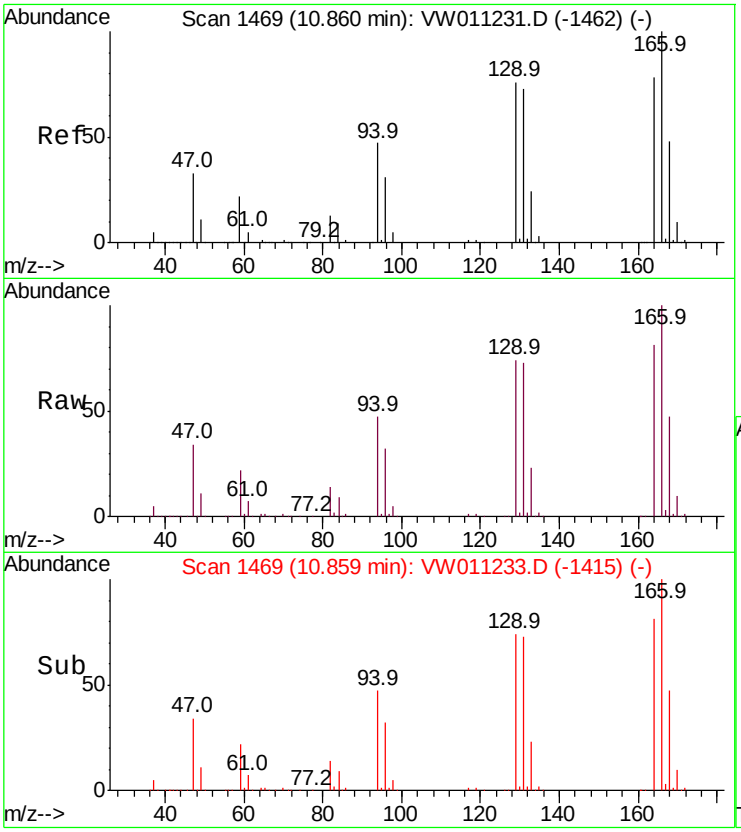


#45
trans-1,3-Dichloropropene
Concen: 8.885 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 75 Resp: 62638

Ion	Ratio	Lower	Upper
75	100		
77	32.4	22.3	41.5



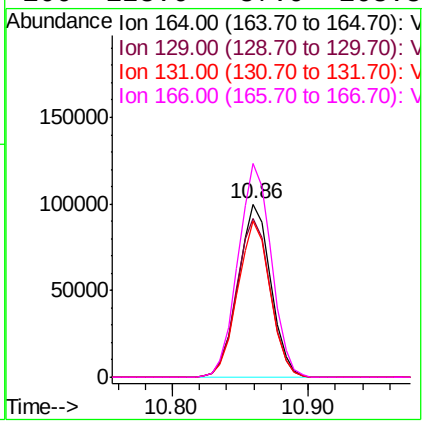


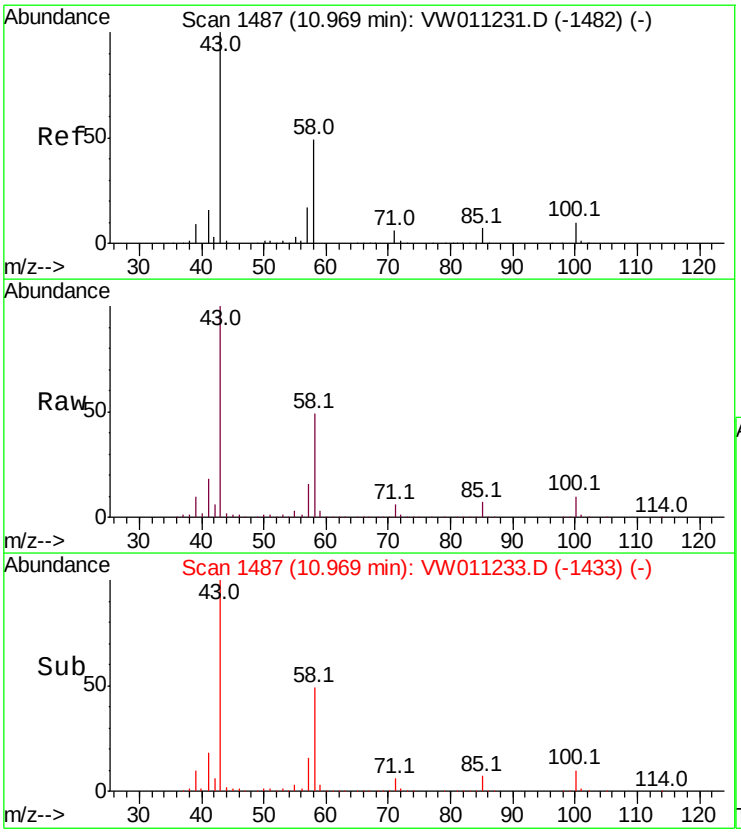
#47
Tetrachloroethene
Concen: 41.773 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion:164 Resp: 167878

Ion	Ratio	Lower	Upper
164	100		
129	91.5	68.5	127.1
131	90.0	64.8	120.4
166	123.6	87.9	163.3

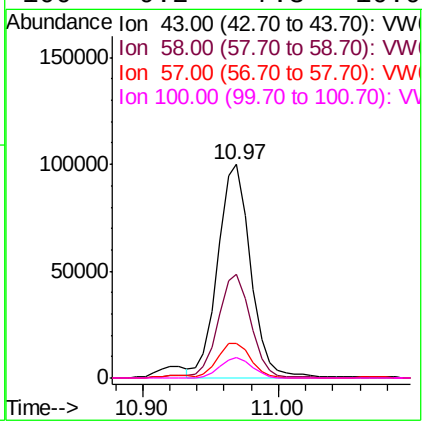


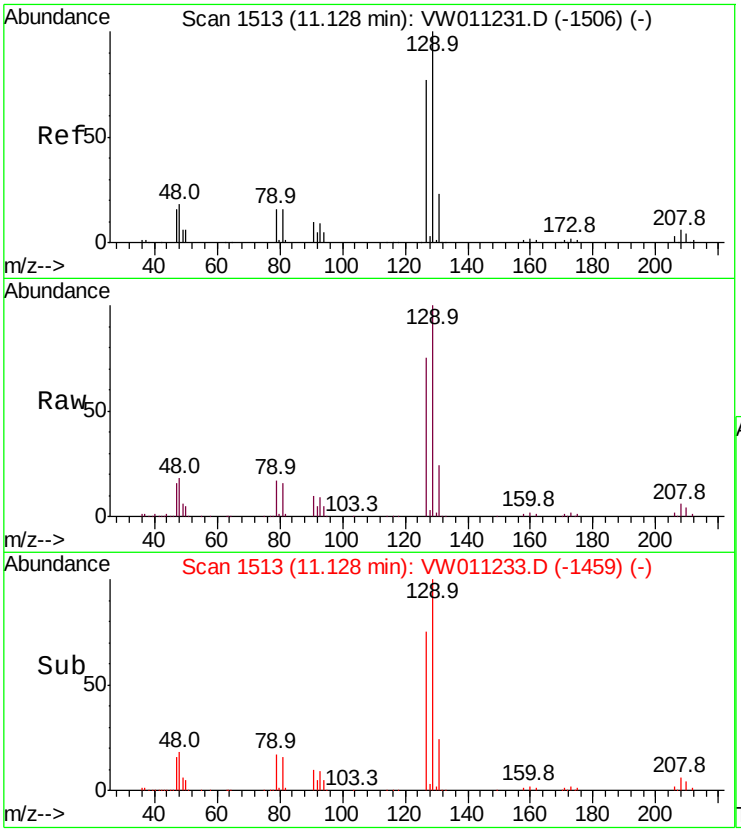


#49
2-Hexanone
Concen: 43.377 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 43 Resp: 169003

Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.4	57.6
57	16.4	13.3	19.9
100	9.2	7.3	10.9



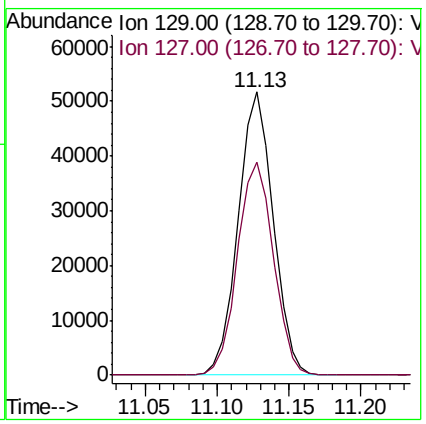


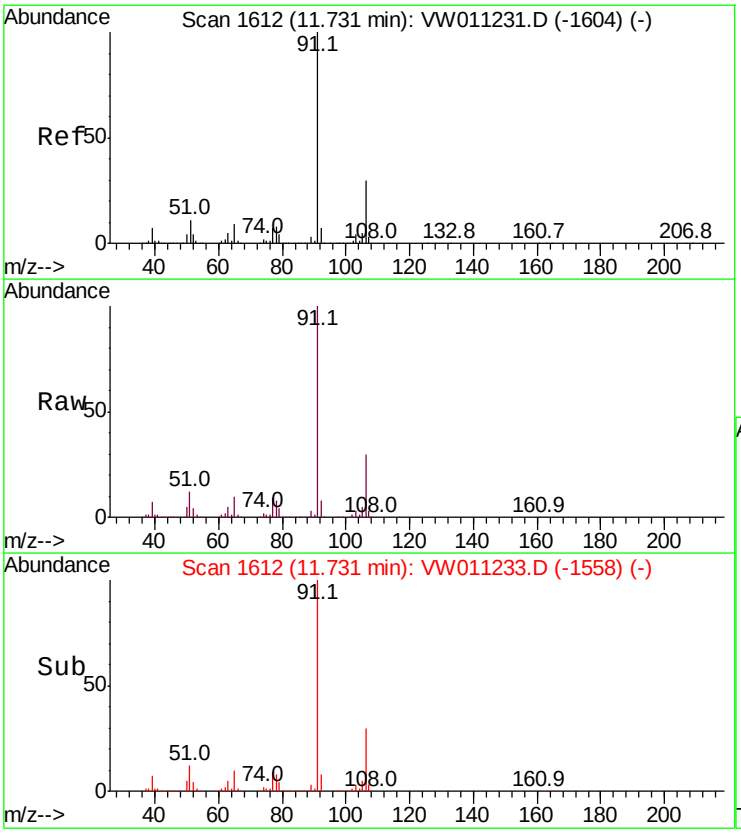
#50
Dibromochloromethane
Concen: 20.441 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
DB8S9

Tgt Ion:129 Resp: 87038

Ion	Ratio	Lower	Upper
129	100		
127	75.3	53.3	99.1

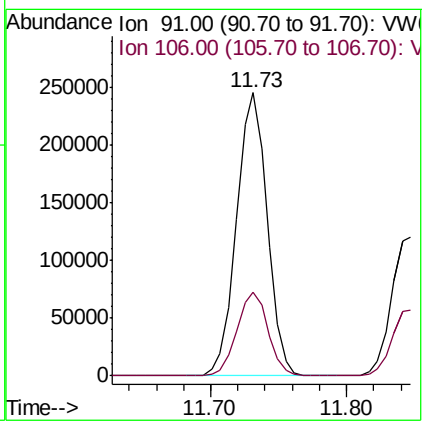


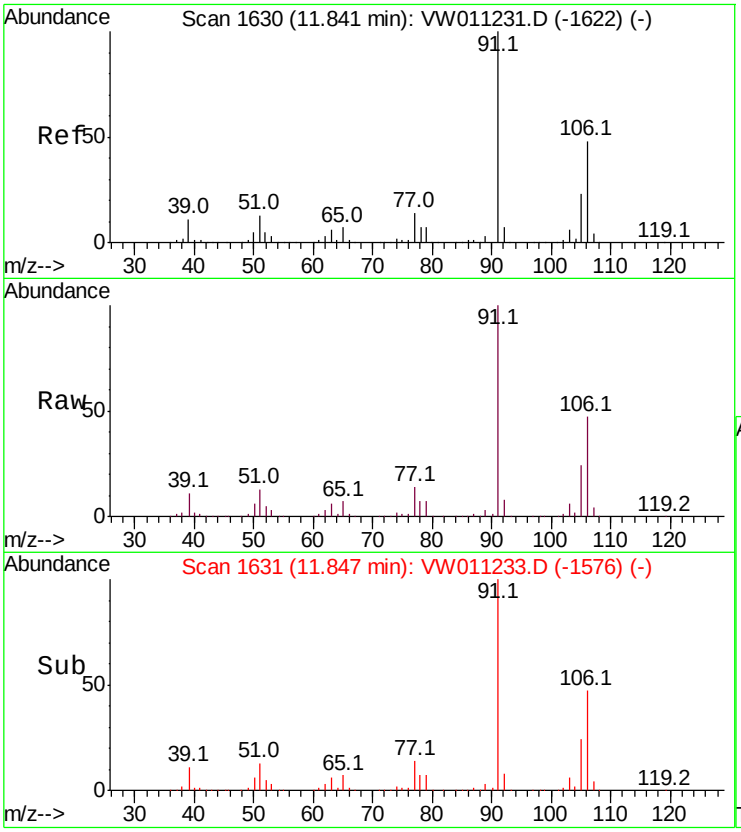


#53
Ethylbenzene
Concen: 15.626 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 91 Resp: 386574

Ion	Ratio	Lower	Upper
91	100		
106	29.6	20.6	38.4



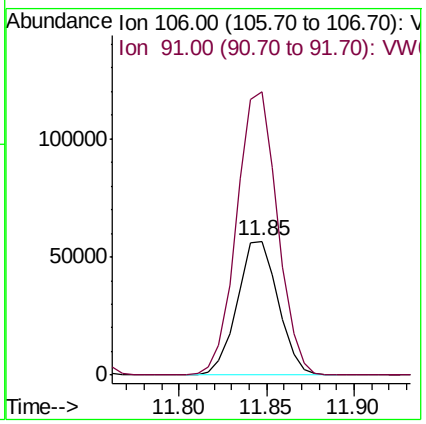


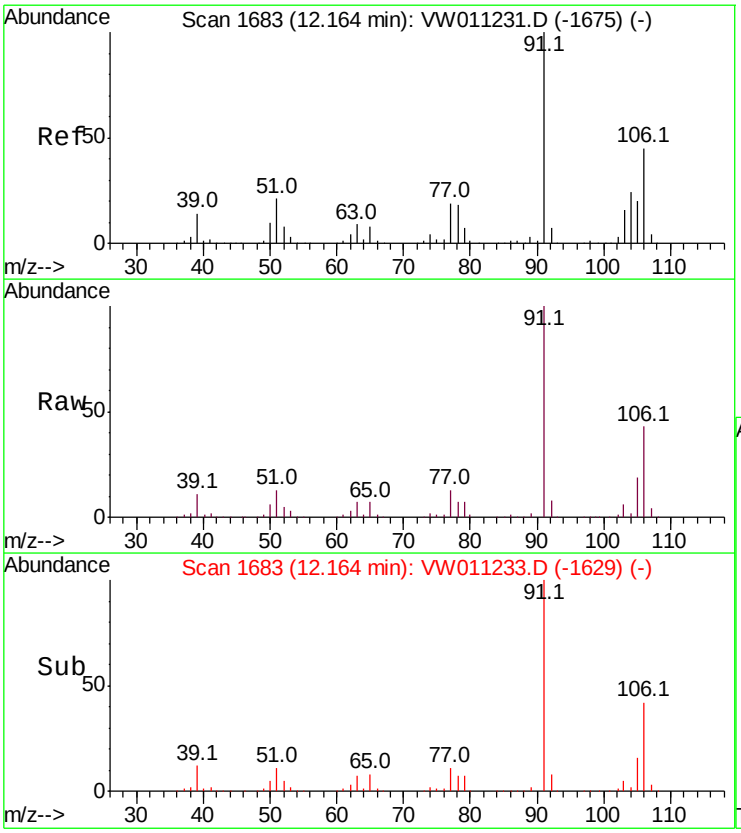
#54
m,p-Xylene
Concen: 10.283 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion:106 Resp: 92368

Ion	Ratio	Lower	Upper
106	100		
91	211.6	142.6	264.8

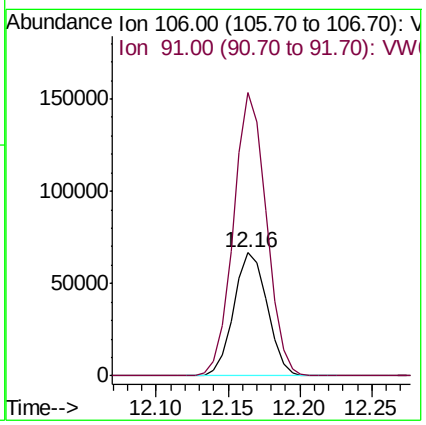


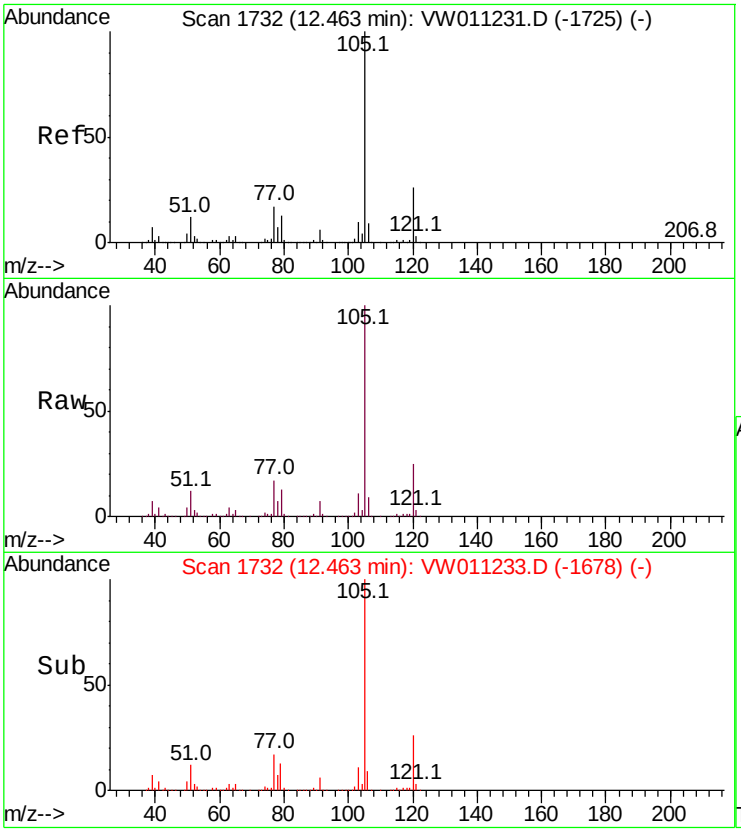


#55
o-xylene
Concen: 12.736 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion:106 Resp: 108826

Ion	Ratio	Lower	Upper
106	100		
91	230.5	154.6	287.2



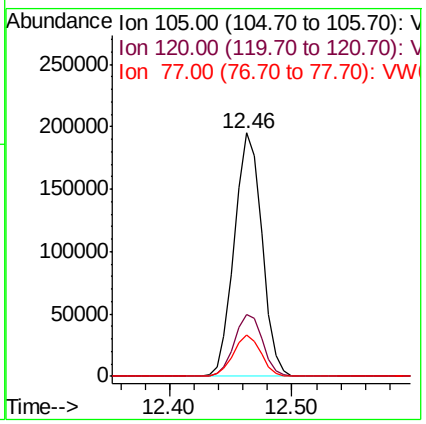


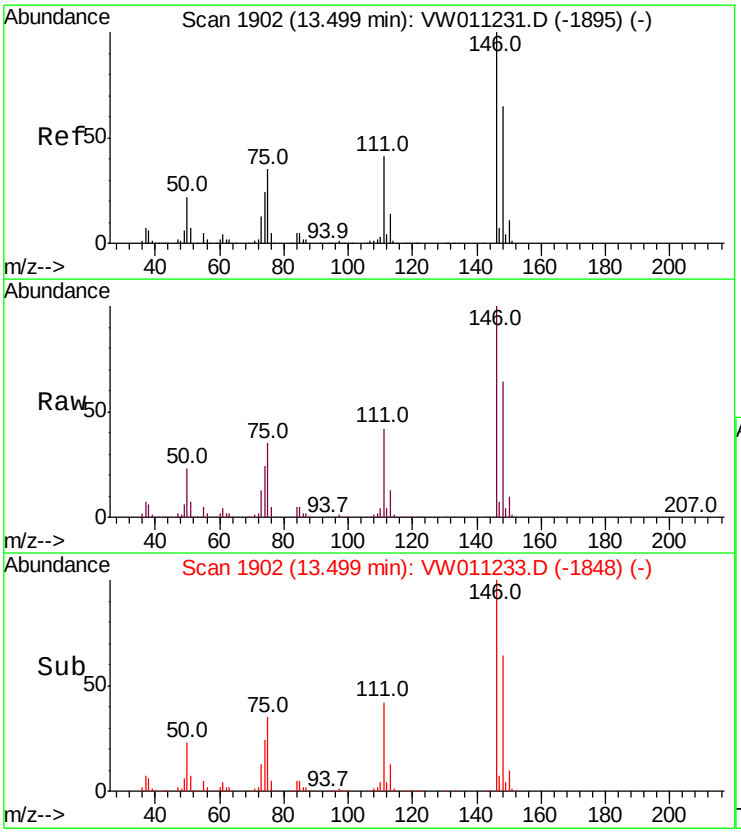
#57
Isopropylbenzene
Concen: 13.074 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion:105 Resp: 304955

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1
77	16.9	13.5	20.3

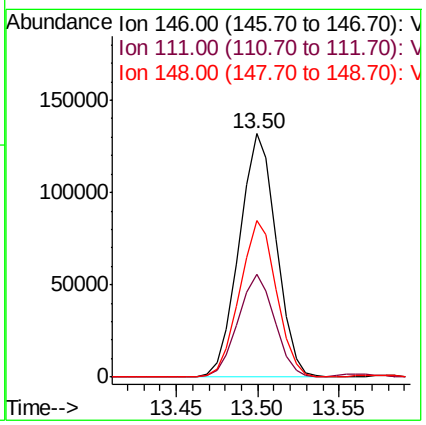


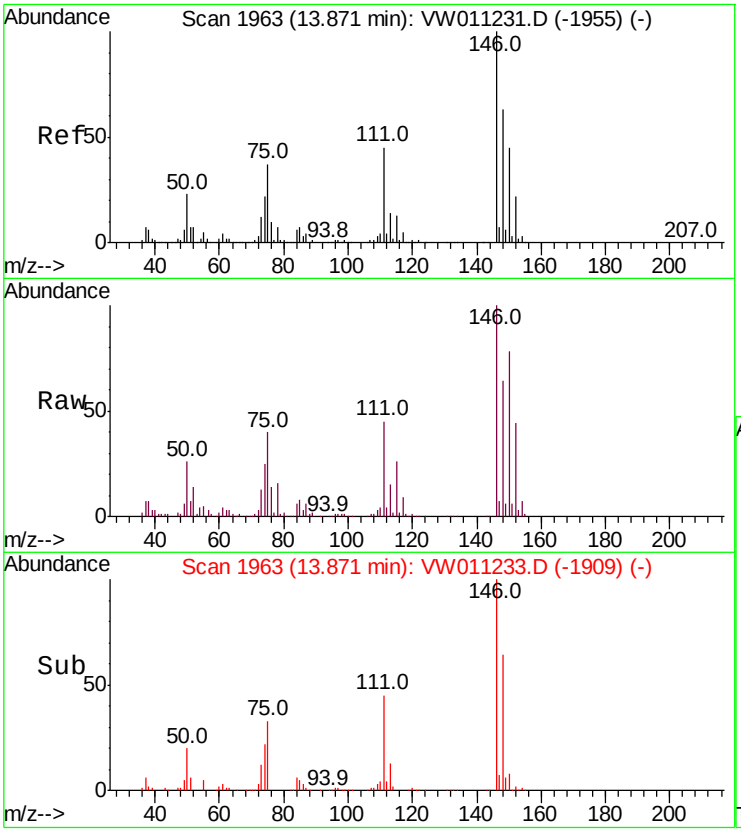


#63
1,3-Dichlorobenzene
Concen: 20.682 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion:146 Resp: 209813

Ion	Ratio	Lower	Upper
146	100		
111	42.1	29.0	53.8
148	64.3	44.4	82.5



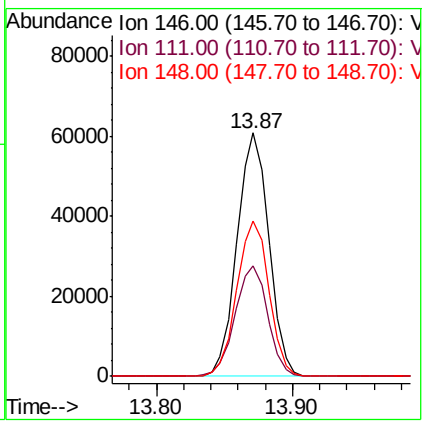


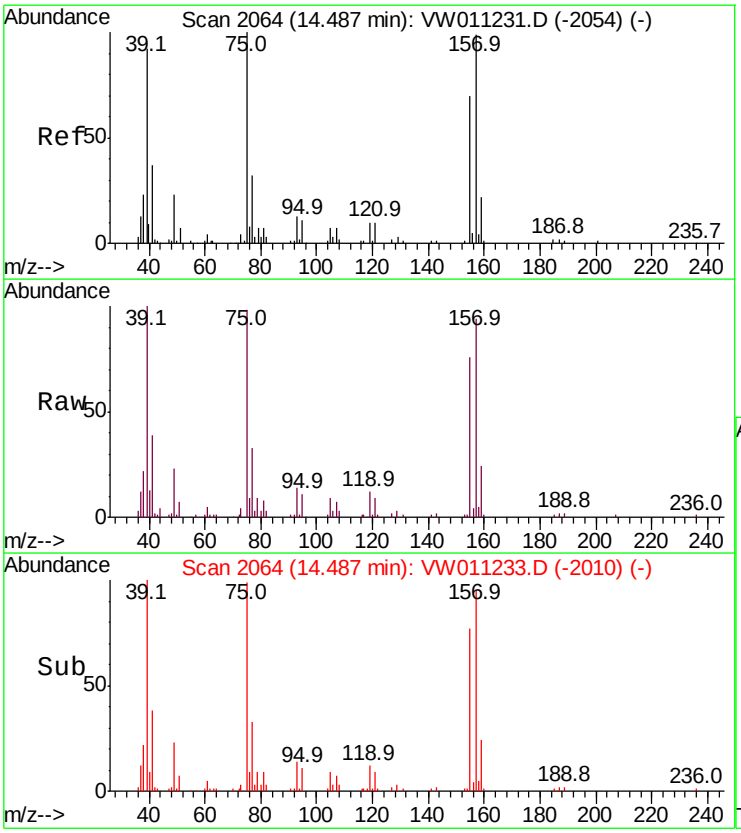
#65
1,2-Dichlorobenzene
Concen: 10.536 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Instrument : MSVOA_W
ClientSampleId : DB8S9

Tgt Ion:146 Resp: 99485

Ion	Ratio	Lower	Upper
146	100		
111	45.2	34.1	51.1
148	64.0	51.0	76.4





#66
1,2-Dibromo-3-chloropropane
Concen: 19.457 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW011233.D
Acq: 12 Jul 2019 11:06

Tgt Ion: 75 Resp: 18038

Ion	Ratio	Lower	Upper
75	100		
157	95.8	75.3	112.9
155	77.9	60.2	90.2