Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
Data File : VN057672.D
Acq On : 3 Sep 2019 19:20
Operator : JC/SP
Sample : K4651-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TT-006-IDWGW-20190830

Quant Time: Sep 04 02:14:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 02:08:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57649	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	347496	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	263401	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.01	65	185118	30.21	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.70%			
60) 4-Bromofluorobenzene	12.40	95	103345	22.97	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 76.57%			
63) Toluene-d8	10.09	98	423772	33.41	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 111.37%			
Target Compounds						Qvalue
3) Chloromethane	2.05	50	1493	0.341	ug/l #	84
5) Bromomethane	2.54	94	518	0.226	ug/l #	59
7) Trichlorofluoromethane	3.01	101	3133	0.457	ug/l	94
12) Methyl Acetate	4.33	43	2181	0.449	ug/l	97
15) Acetone	4.03	58	268	0.541	ug/l	95
17) Allyl chloride	4.03	41	6379	0.918	ug/l	87
23) tert-Butyl Alcohol	4.73	59	3776	5.876	ug/l #	100
37) Trichloroethene	8.83	130	34192	9.034	ug/l	96
45) 1,4-Dioxane	9.19	88	167	2.578	ug/l #	41
51) Ethyl methacrylate	10.09	69	2017	0.325	ug/l	89
55) 2-Chloroethyl vinyl ether	10.08	63	417	0.212	ug/l #	1
58) 4-Methyl-2-Pentanone	9.98	43	1818	0.391	ug/l #	71
59) 2-Hexanone	10.75	43	2873	0.872	ug/l #	70
61) Tetrachloroethene	10.63	164	2210	0.731	ug/l #	81
77) t-1,4-Dichloro-2-butene	12.40	75	60591	50.658	ug/l #	1
78) 4-Chlorotoluene	12.78	91	2625	0.252	ug/l	86
82) p-Isopropyltoluene	13.29	119	2681	0.217	ug/l	96
83) 1,3-Dichlorobenzene	13.29	146	2481	0.494	ug/l	95
84) 1,4-Dichlorobenzene	13.37	146	2372	0.500	ug/l	92
85) n-Butylbenzene	13.62	91	3885	0.358	ug/l	87
87) 1,2-Dichlorobenzene	13.37	146	2372	0.512	ug/l	91
89) 1,2,4-Trichlorobenzene	15.30	180	1328	0.827	ug/l	92
90) Hexachlorobutadiene	15.01	225	1284	0.721	ug/l	83
91) Naphthalene	15.13	128	2867	0.687	ug/l #	82
92) 1,2,3-Trichlorobenzene	15.30	180	1328	0.851	ug/l	93

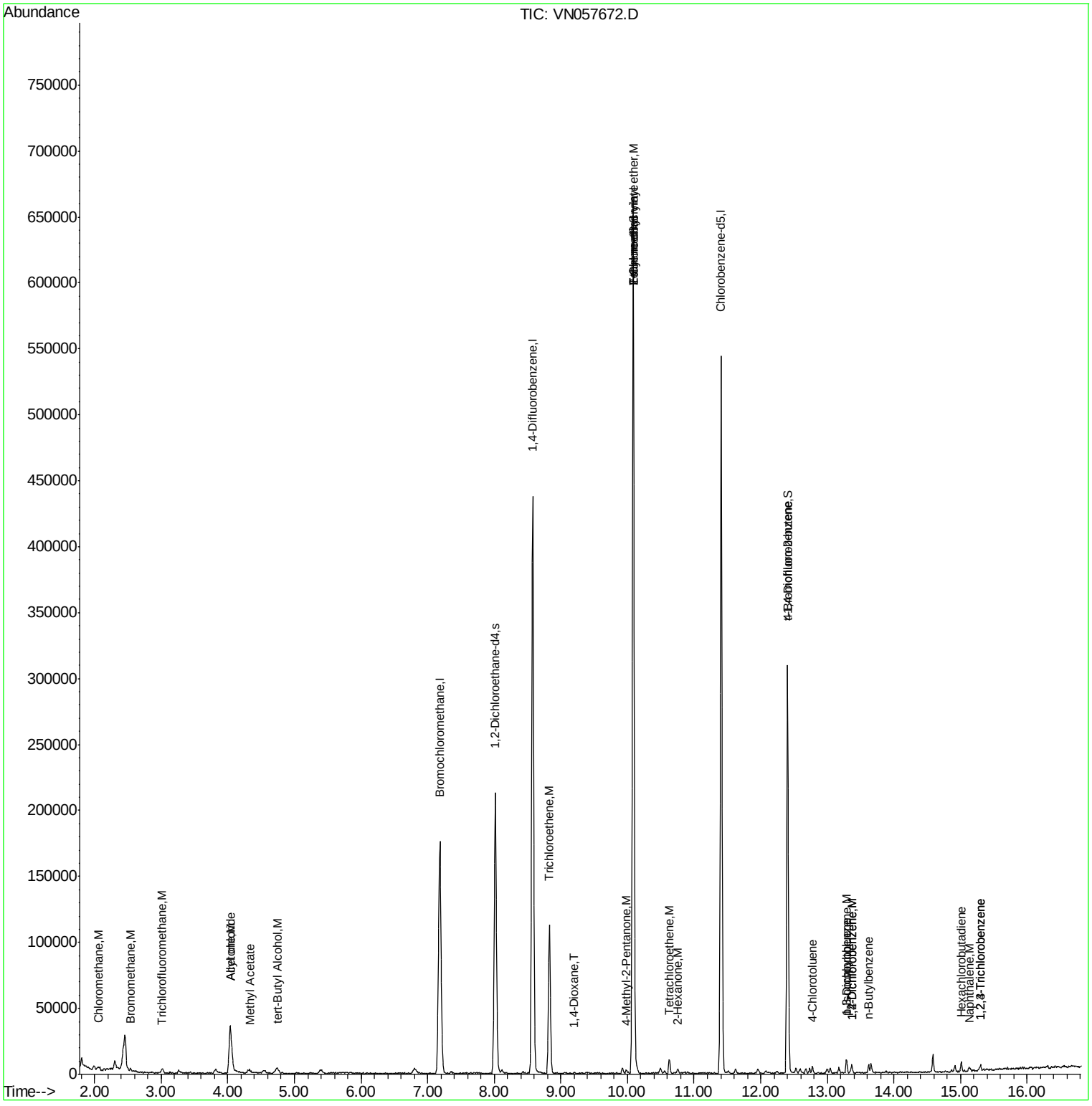
(#) = qualifier out of range (m) = manual integration (+) = signals summed

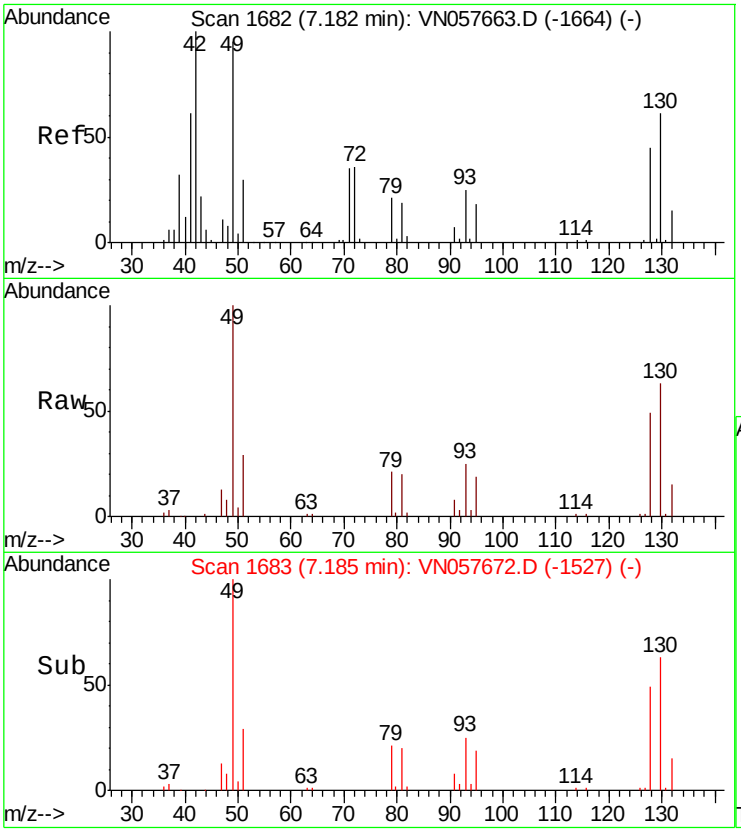
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
Data File : VN057672.D
Acq On : 3 Sep 2019 19:20
Operator : JC/SP
Sample : K4651-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Quant Time: Sep 04 02:14:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 02:08:50 2019
Response via : Initial Calibration



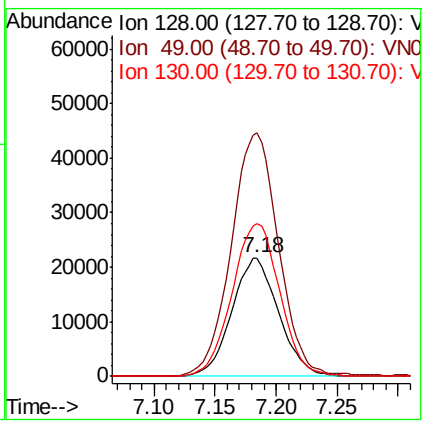


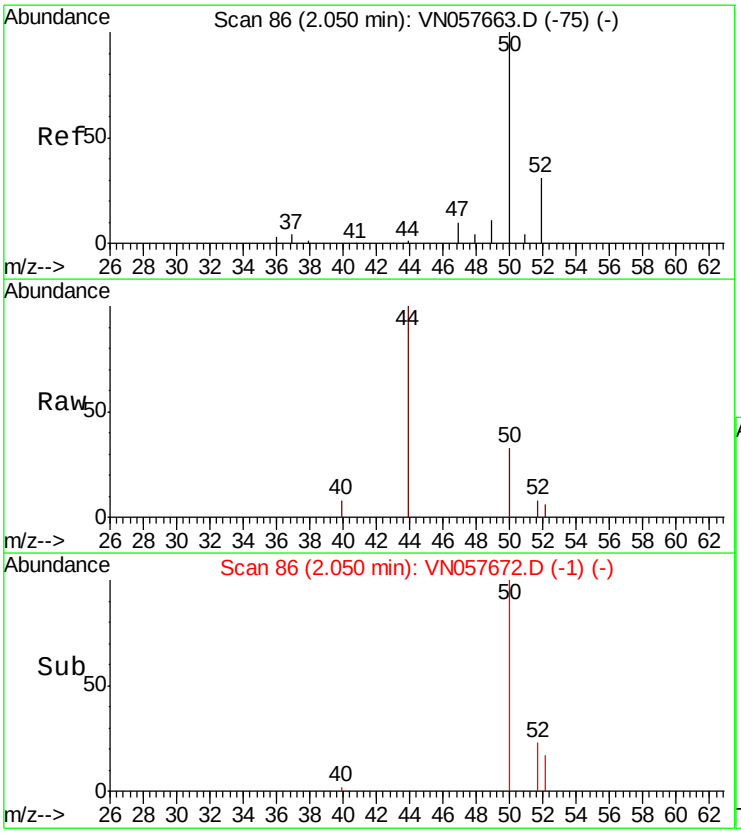
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:128 Resp: 57649

Ion	Ratio	Lower	Upper
128	100		
49	207.3	0.0	544.5
130	131.8	0.0	324.7

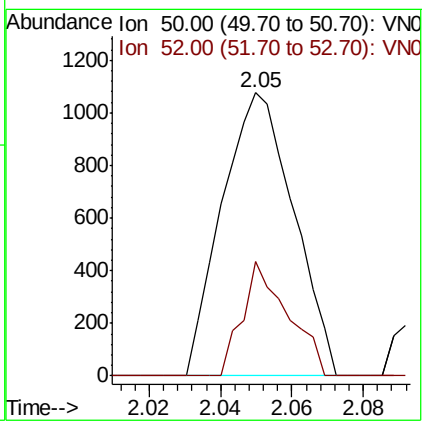


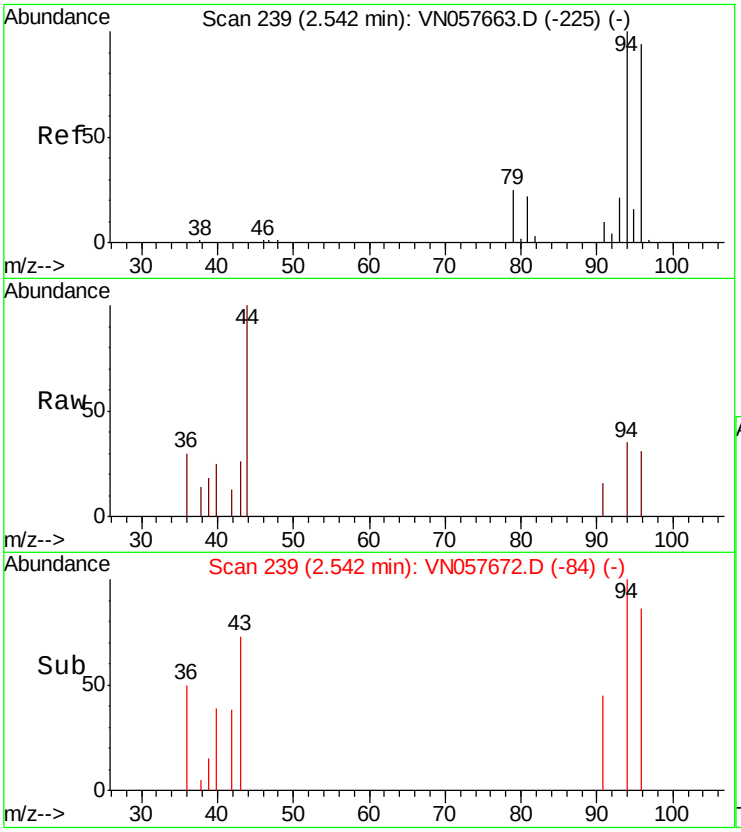


#3
Chloromethane
Concen: 0.341 ug/l
RT: 2.05 min Scan# 86
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 50 Resp: 1493

Ion	Ratio	Lower	Upper
50	100		
52	40.2	25.2	37.8#



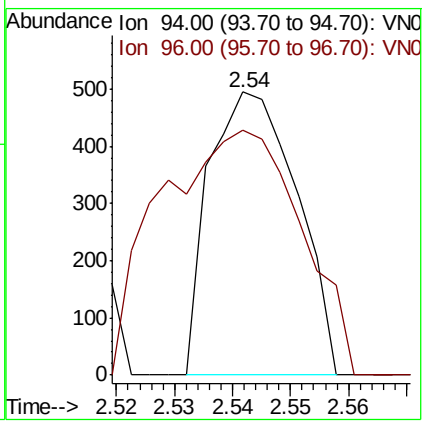


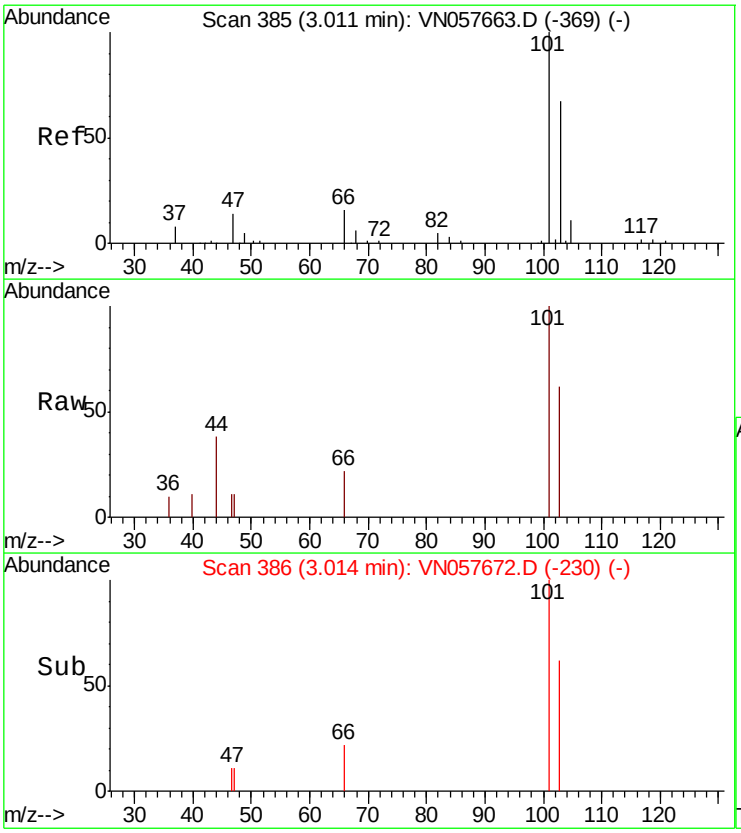
#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 94 Resp: 518

Ion	Ratio	Lower	Upper
94	100		
96	54.7	75.6	113.4#

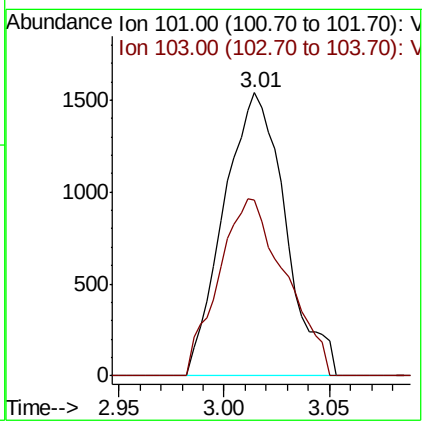


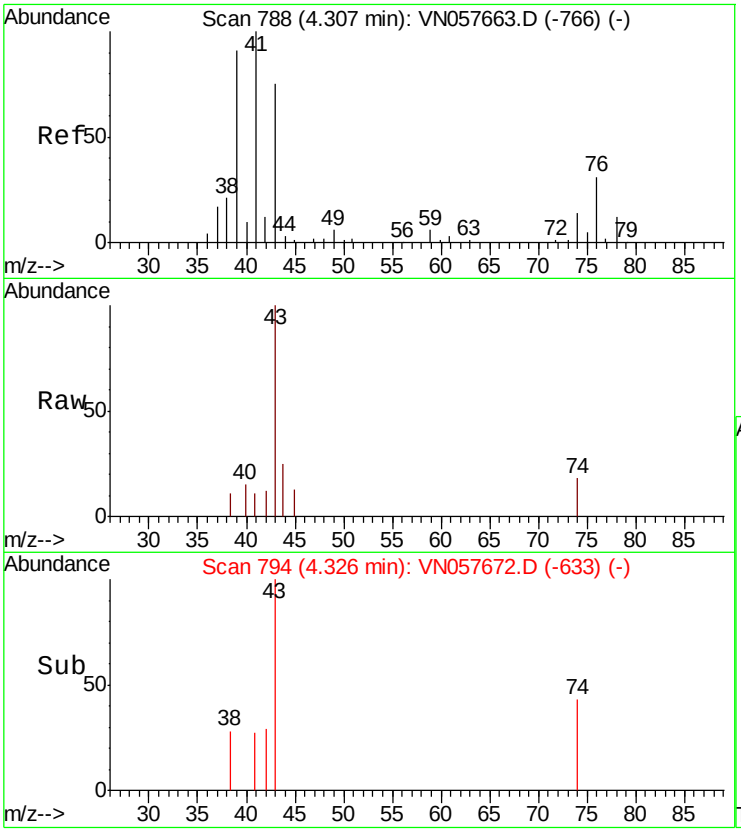


#7
Trichlorofluoromethane
Concen: 0.457 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion:101 Resp: 3133

Ion	Ratio	Lower	Upper
101	100		
103	62.2	53.6	80.4



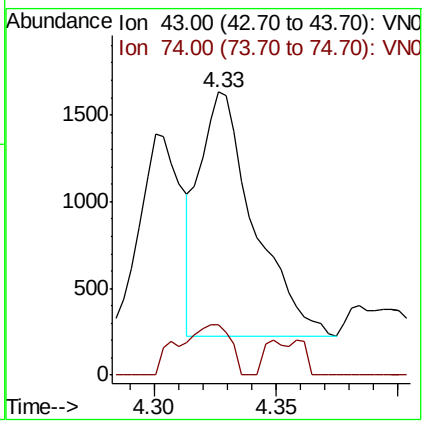


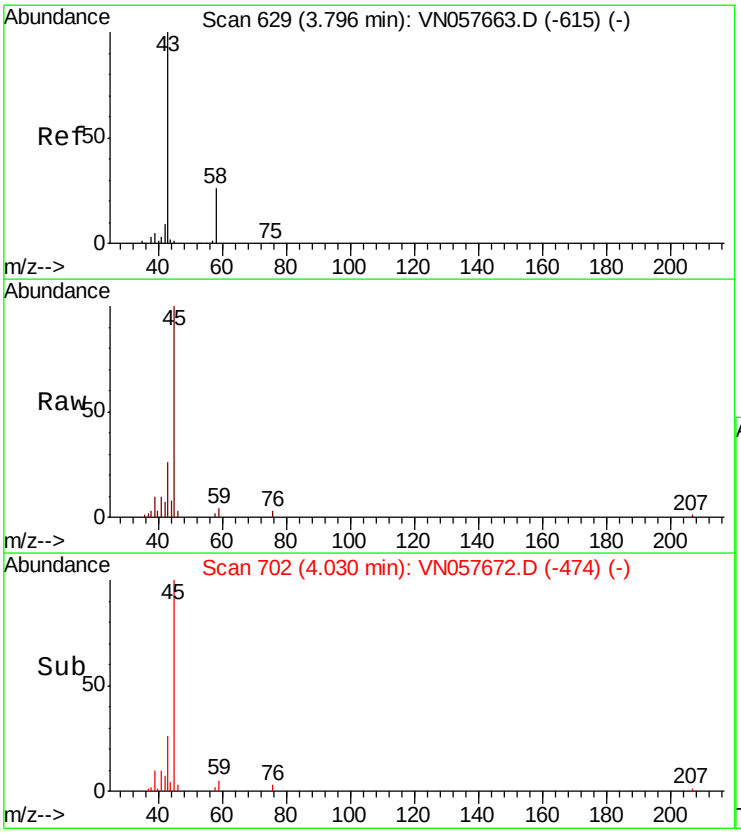
#12
Methyl Acetate
Concen: 0.449 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 43 Resp: 2181

Ion	Ratio	Lower	Upper
43	100		
74	19.8	14.6	22.0

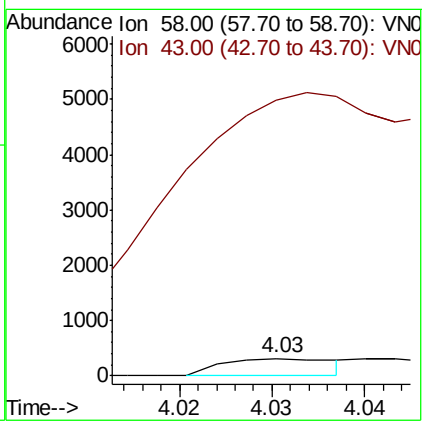


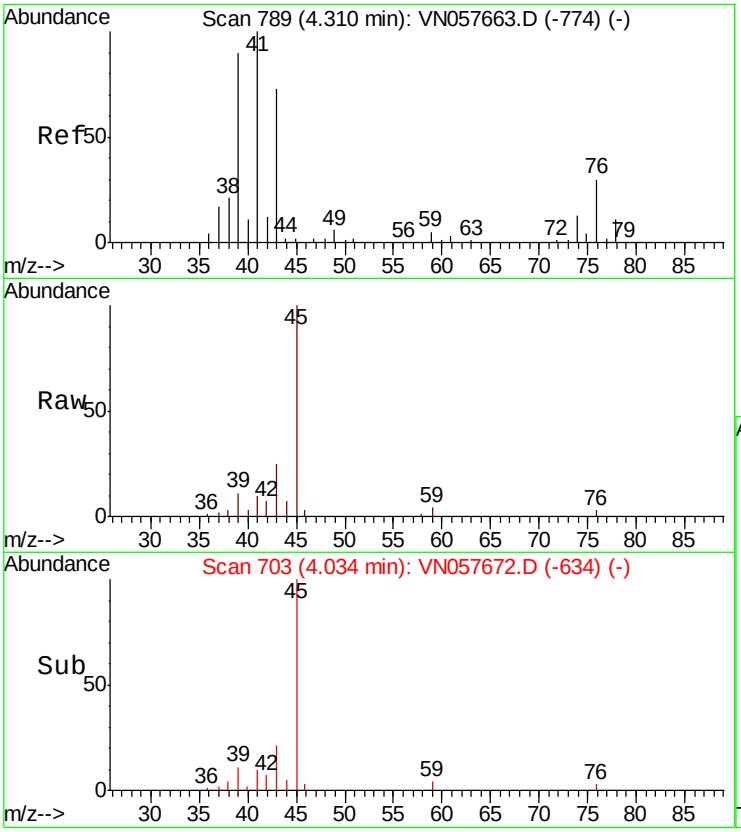


#15
Acetone
Concen: 0.541 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.23 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 58 Resp: 268

Ion	Ratio	Lower	Upper
58	100		
43	397.2	308.8	463.2



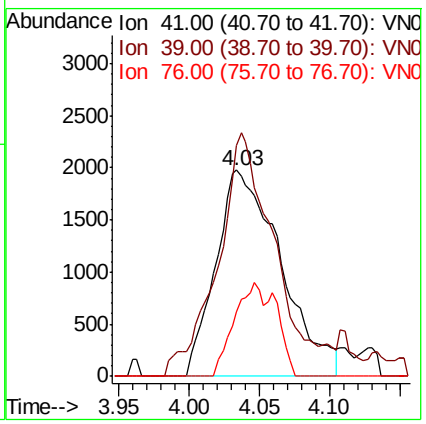


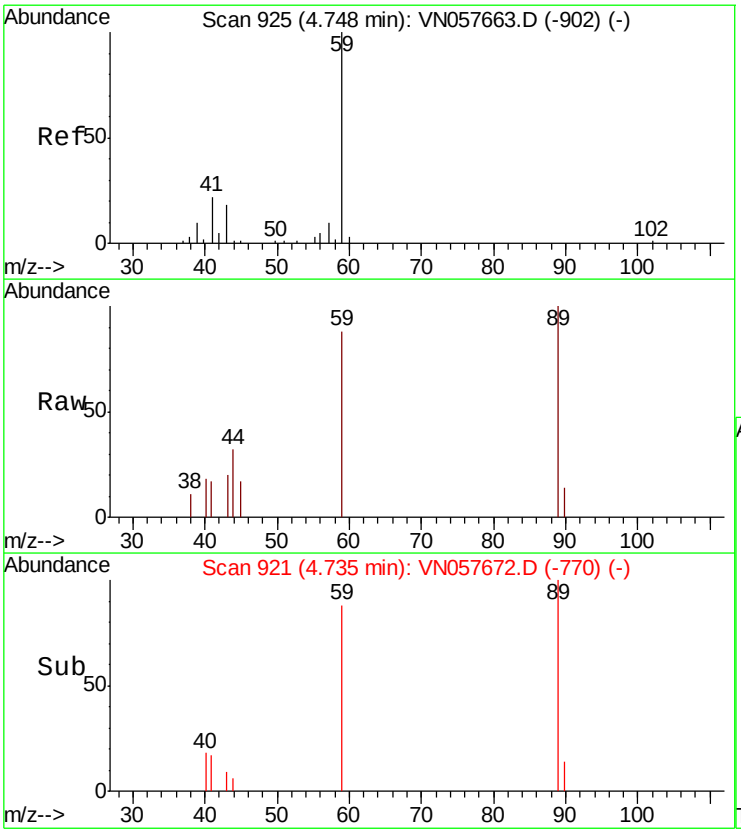
#17
Allyl chloride
Concen: 0.918 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.28 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 41 Resp: 6379

Ion	Ratio	Lower	Upper
41	100		
39	100.0	43.0	128.8
76	31.0	14.2	42.8

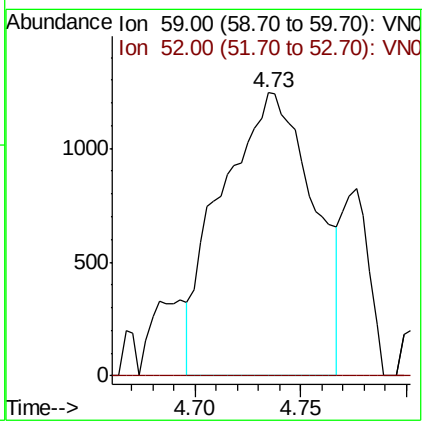


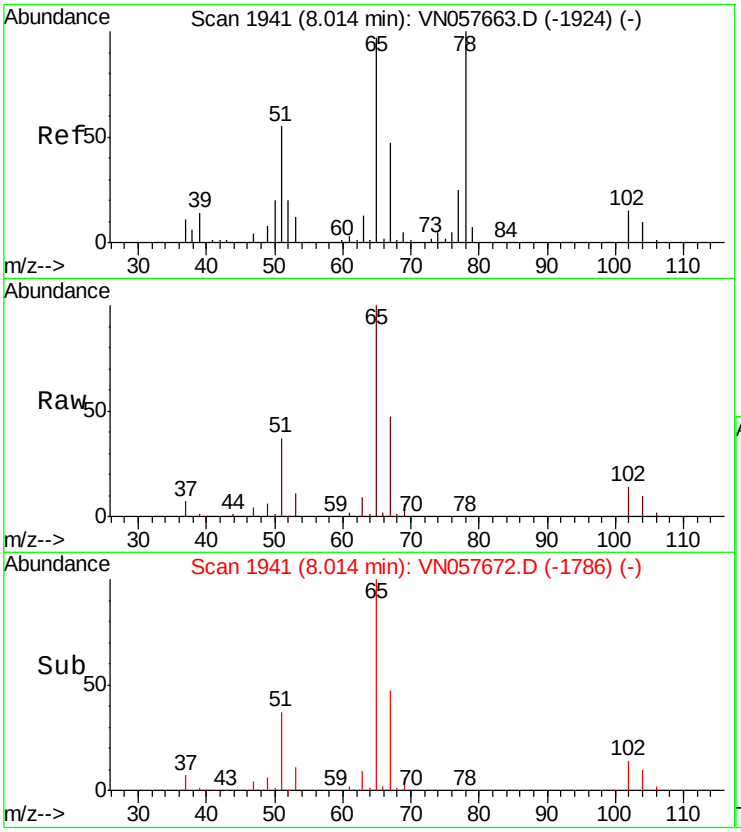


#23
tert-Butyl Alcohol
Concen: 5.876 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.01 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 59 Resp: 3776

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



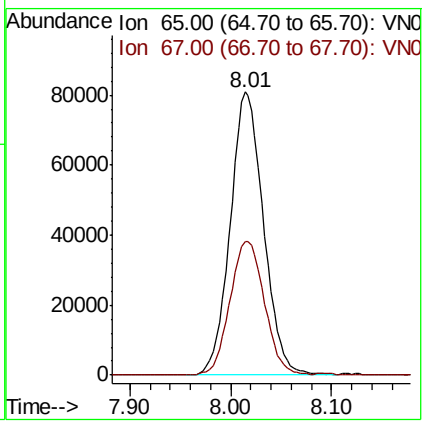


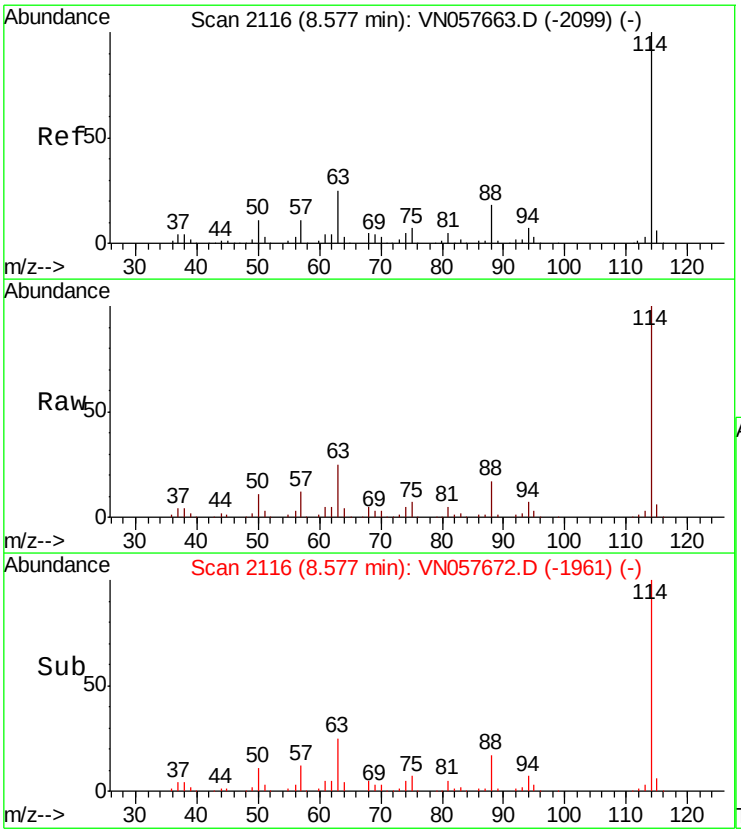
#27
1,2-Dichloroethane-d4
Concen: 30.207 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 65 Resp: 185118

Ion	Ratio	Lower	Upper
65	100		
67	48.9	38.6	57.8

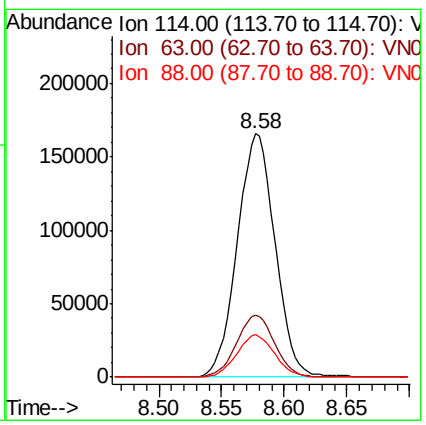


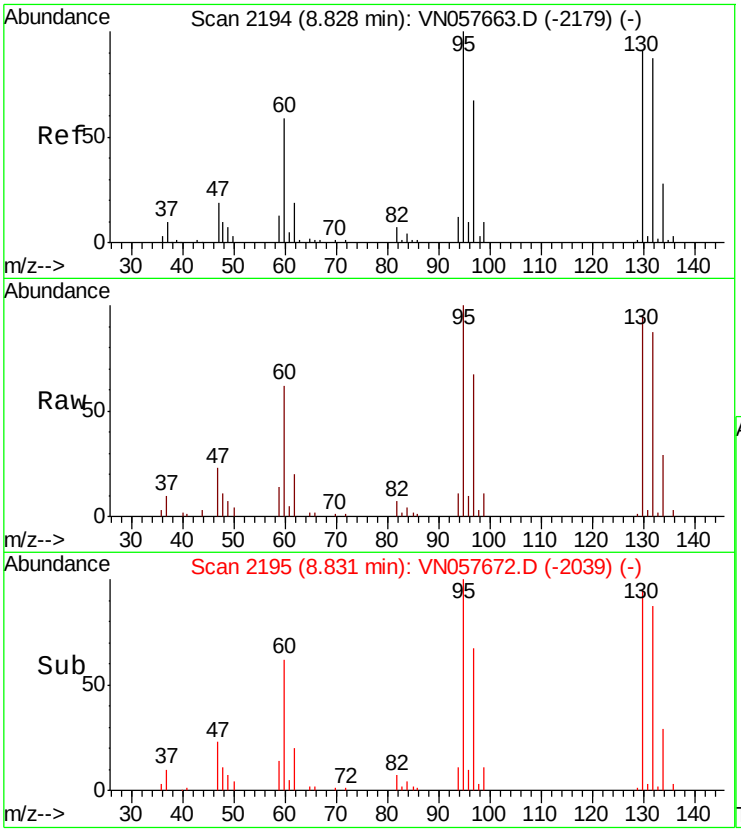


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion:114 Resp: 347496

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.6	30.8
88	17.3	14.3	21.5



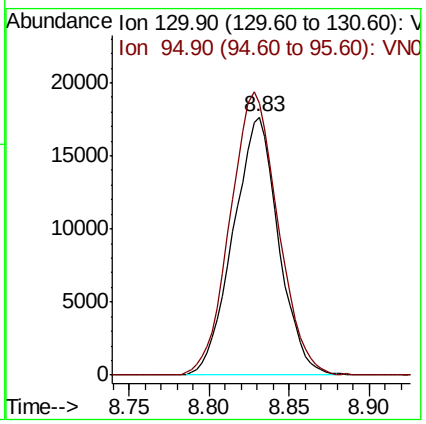


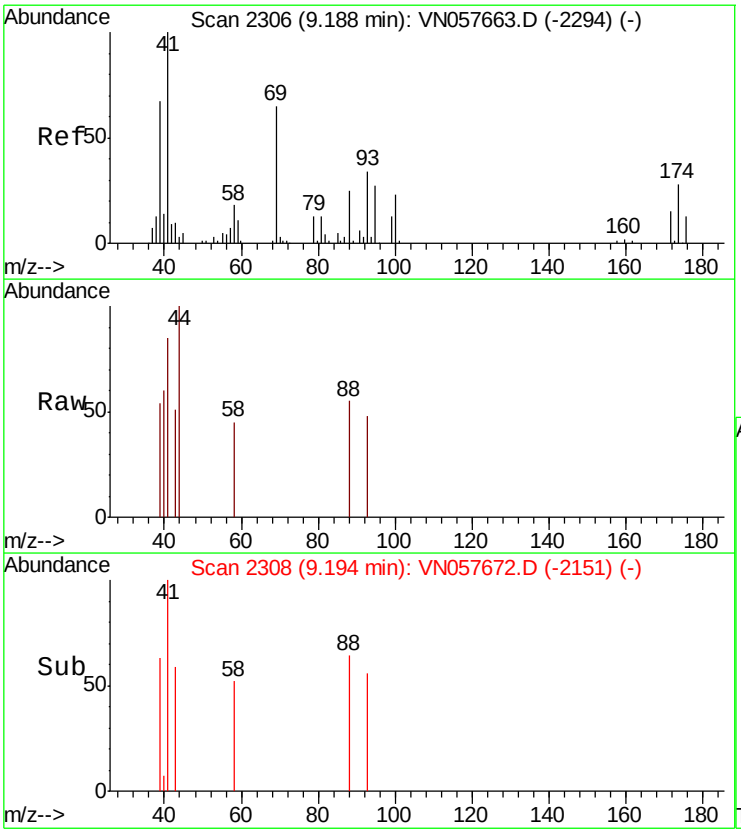
#37
Trichloroethene
Concen: 9.034 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:130 Resp: 34192

Ion	Ratio	Lower	Upper
130	100		
95	105.5	87.5	131.3

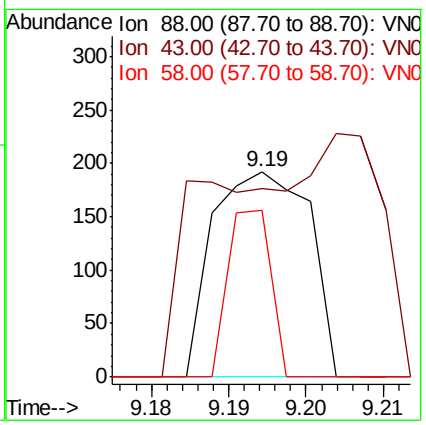


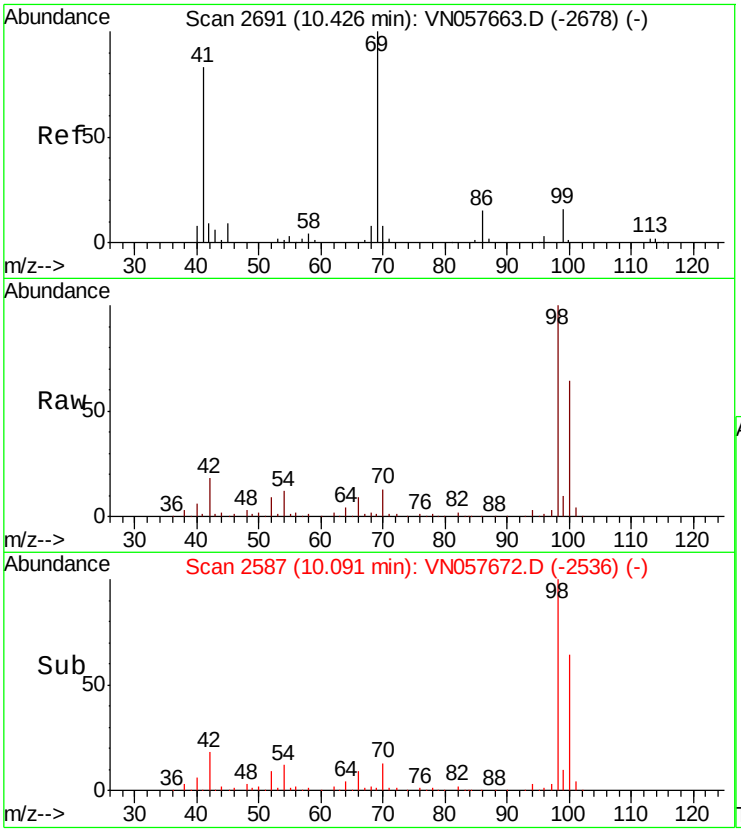


#45
1,4-Dioxane
Concen: 2.578 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 88 Resp: 167

Ion	Ratio	Lower	Upper
88	100		
43	92.2	31.0	46.4#
58	35.9	58.2	87.2#



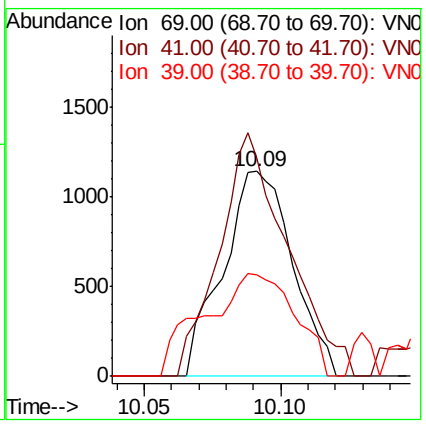


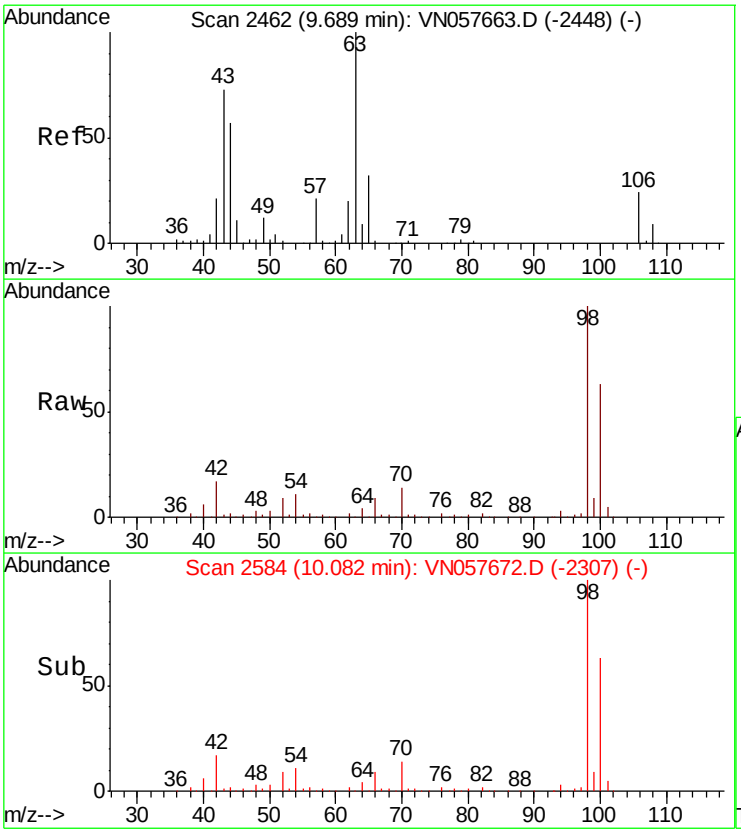
#51
Ethyl methacrylate
Concen: 0.325 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.33 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 69 Resp: 2017

Ion	Ratio	Lower	Upper
69	100		
41	91.9	41.5	124.5
39	49.7	29.6	88.9

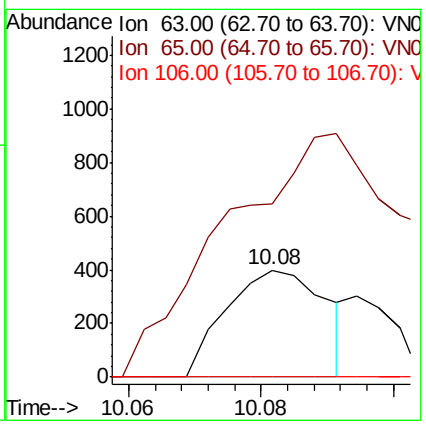


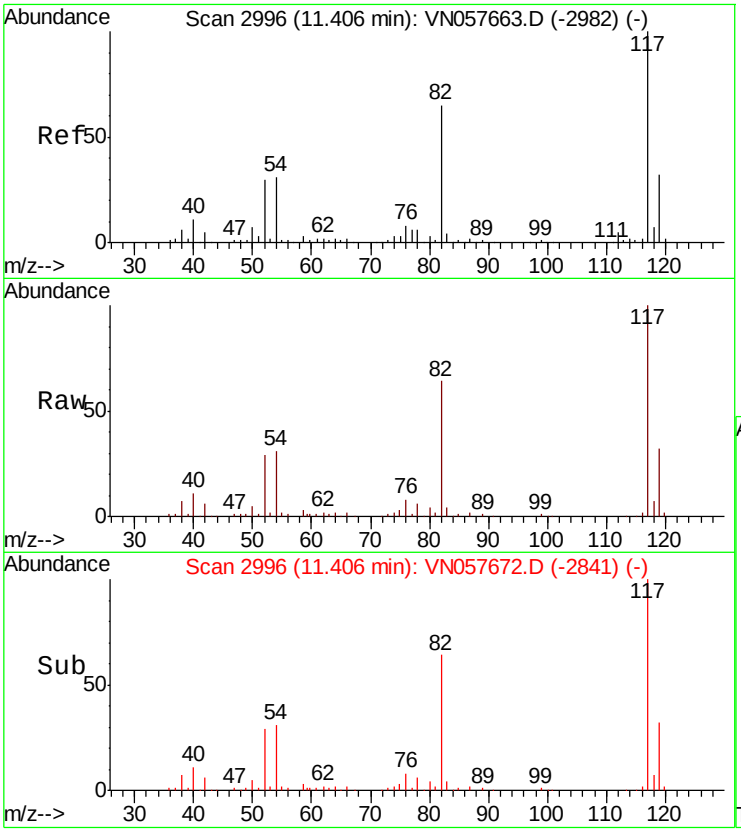


#55
2-Chloroethyl vinyl ether
Concen: 0.212 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.39 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 63 Resp: 417

Ion	Ratio	Lower	Upper
63	100		
65	274.8	25.6	38.4#
106	0.0	19.5	29.3#



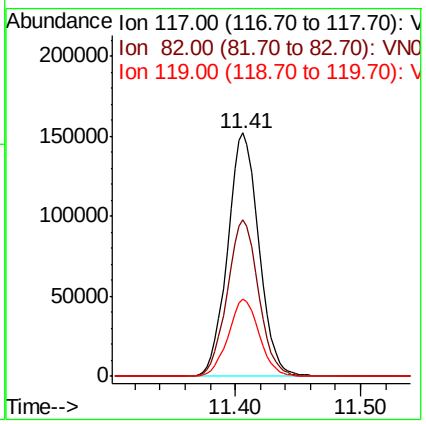


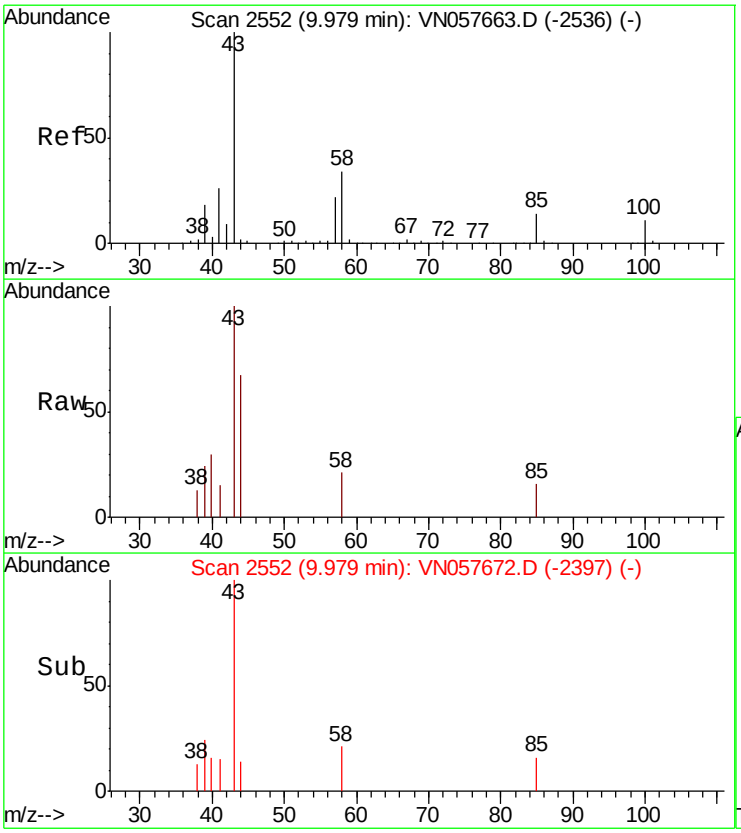
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:117 Resp: 263401

Ion	Ratio	Lower	Upper
117	100		
82	64.3	51.2	76.8
119	31.5	25.8	38.6

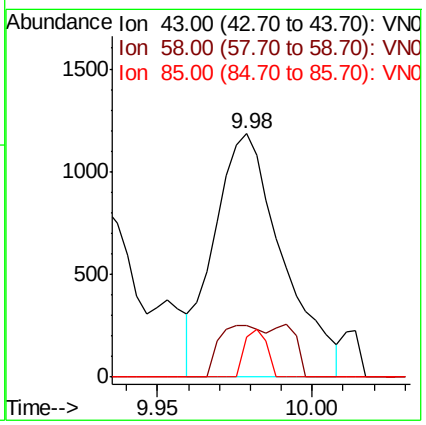


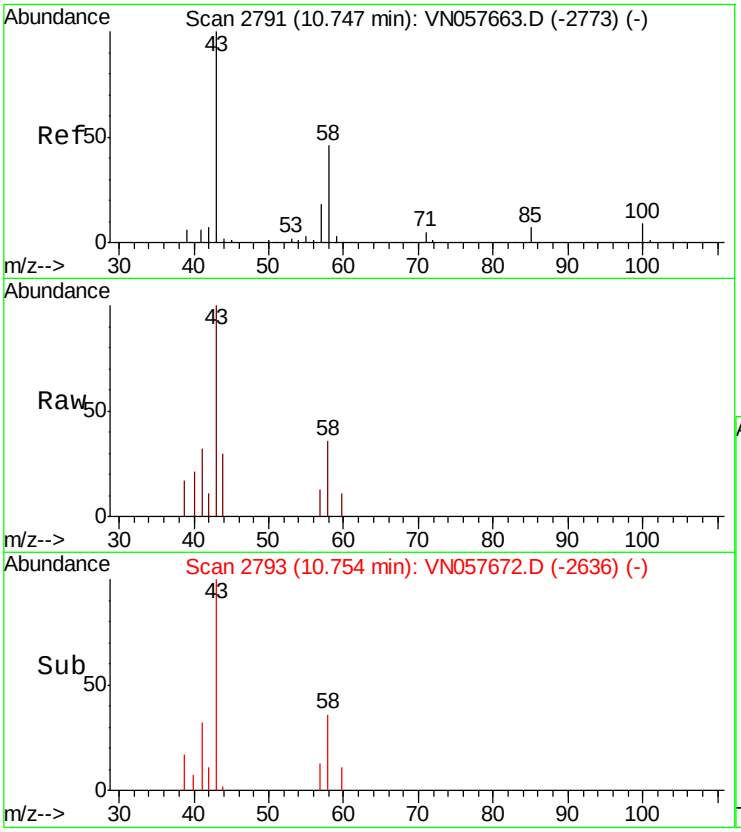


#58
4-Methyl-2-Pentanone
Concen: 0.391 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 43 Resp: 1818

Ion	Ratio	Lower	Upper
43	100		
58	14.5	26.7	40.1#
85	6.4	11.2	16.8#



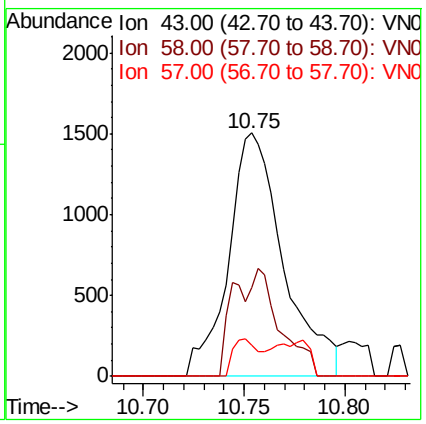


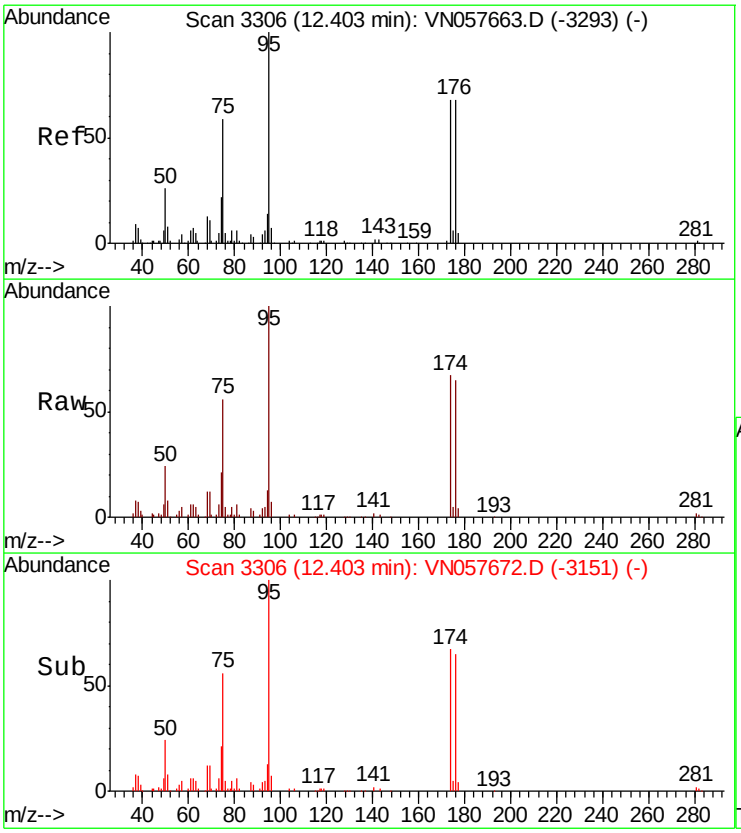
#59
2-Hexanone
Concen: 0.872 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 43 Resp: 2873

Ion	Ratio	Lower	Upper
43	100		
58	23.9	36.1	54.1#
57	7.6	14.1	21.1#

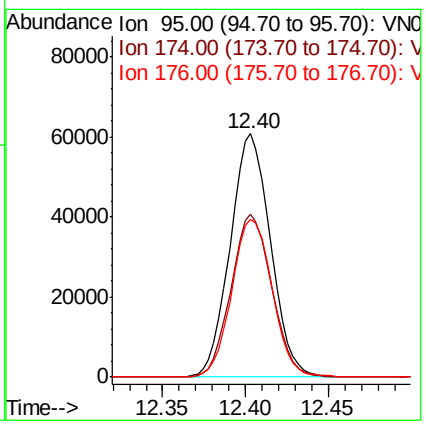


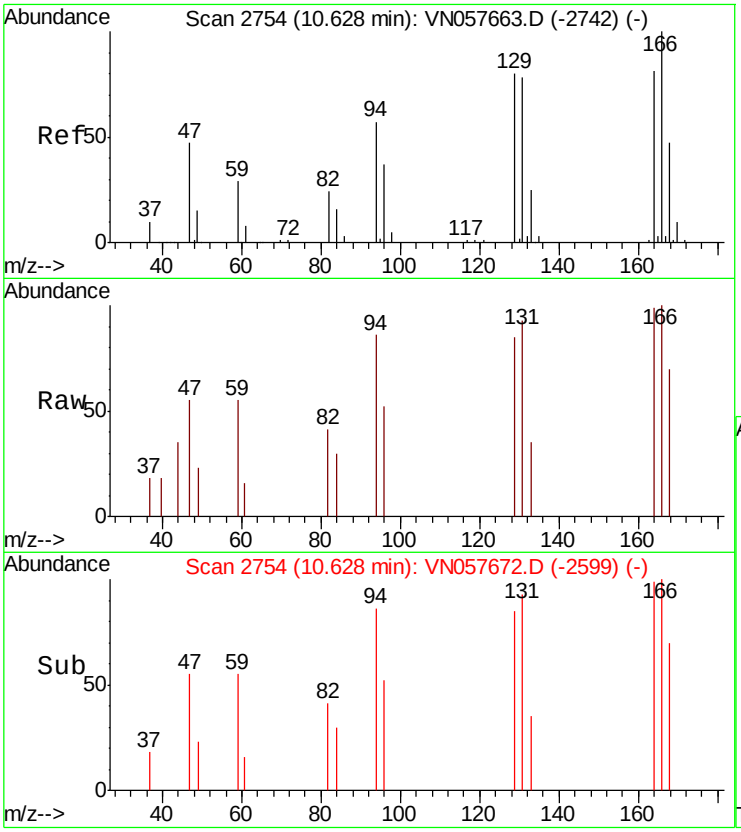


#60
4-Bromofluorobenzene
Concen: 22.965 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 95 Resp: 103345

Ion	Ratio	Lower	Upper
95	100		
174	67.3	55.0	82.6
176	65.1	53.7	80.5



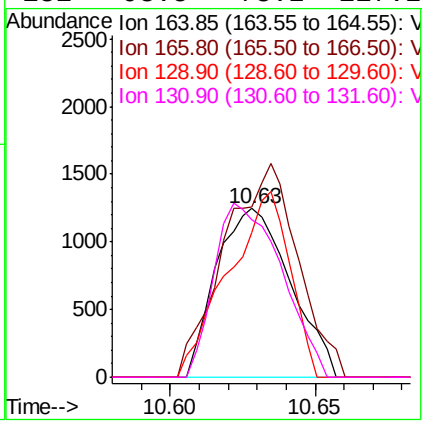


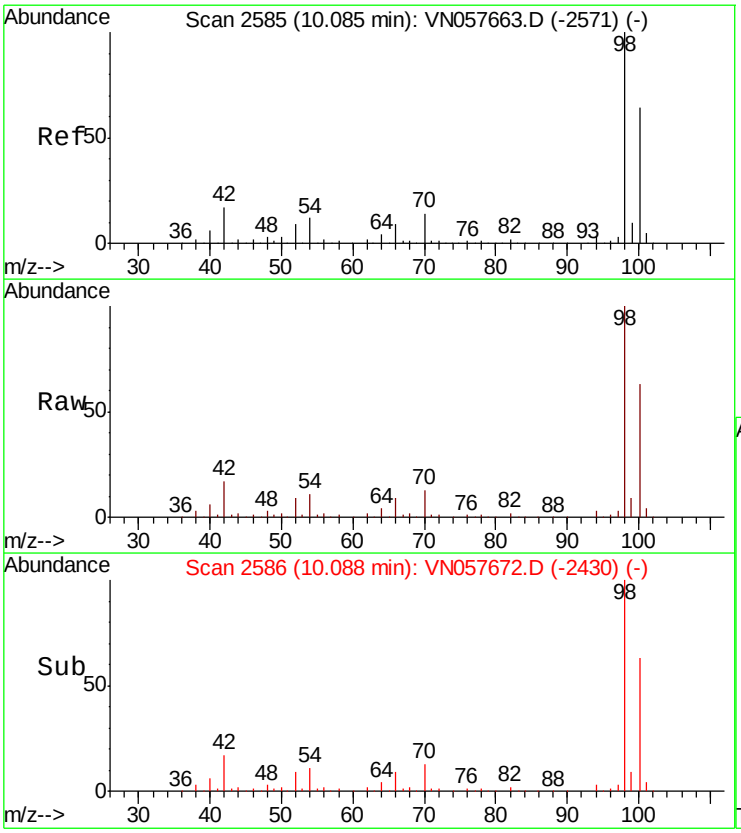
#61
Tetrachloroethene
Concen: 0.731 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:164 Resp: 2210

Ion	Ratio	Lower	Upper
164	100		
166	84.1	99.4	149.2#
129	85.4	78.8	118.2
131	93.5	78.2	117.2

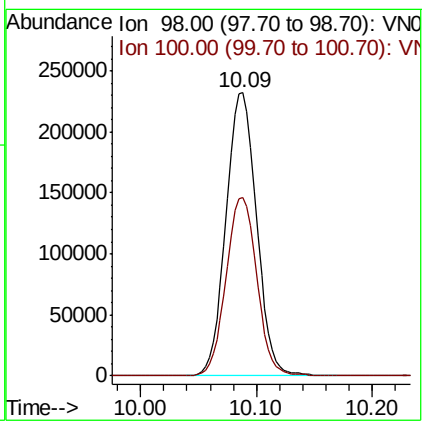


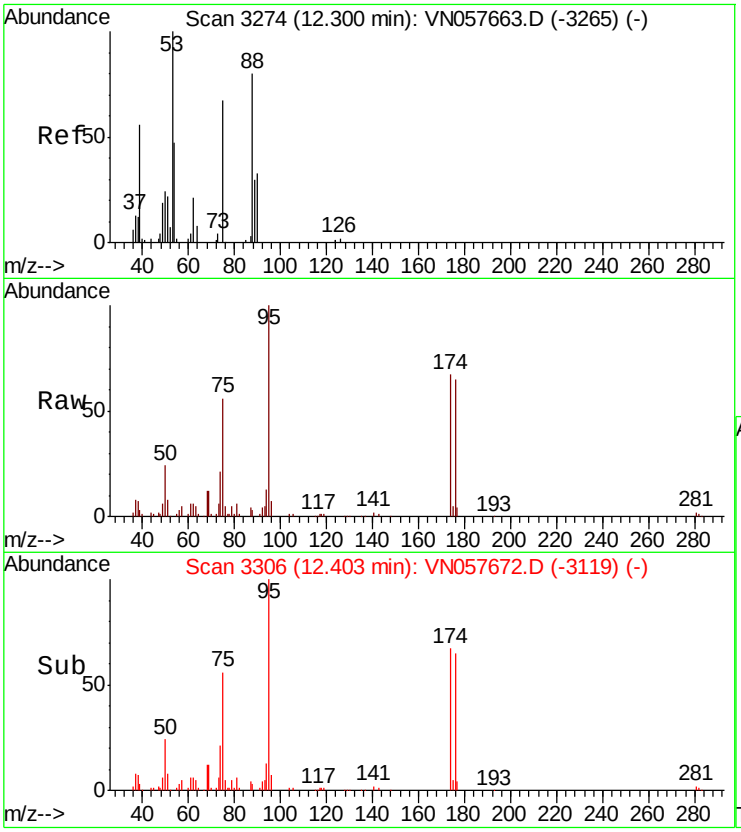


#63
Toluene-d8
Concen: 33.411 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 98 Resp: 423772

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.0	76.6



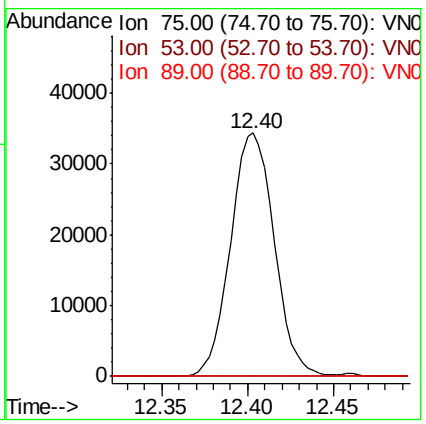


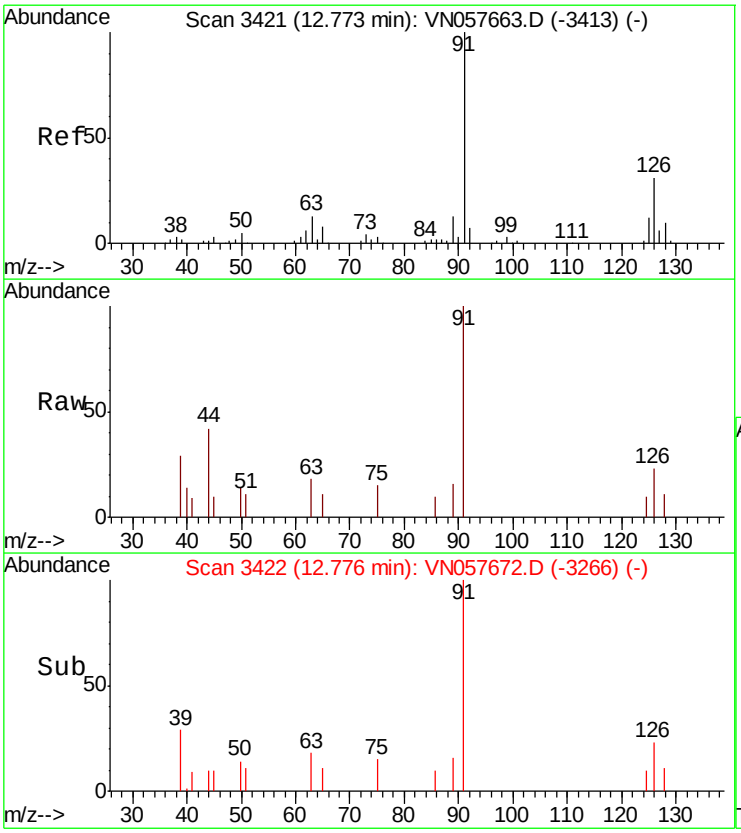
#77
t-1,4-Dichloro-2-butene
Concen: 50.658 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion: 75 Resp: 60591

Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.2	222.6#
89	0.0	23.3	69.9#

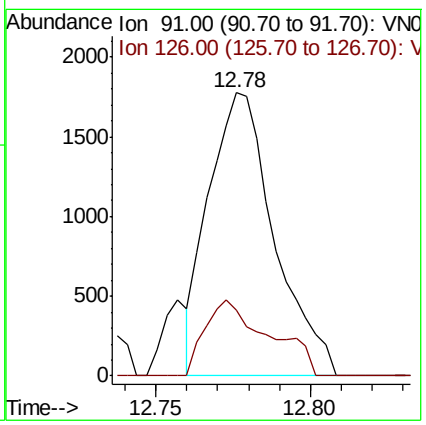


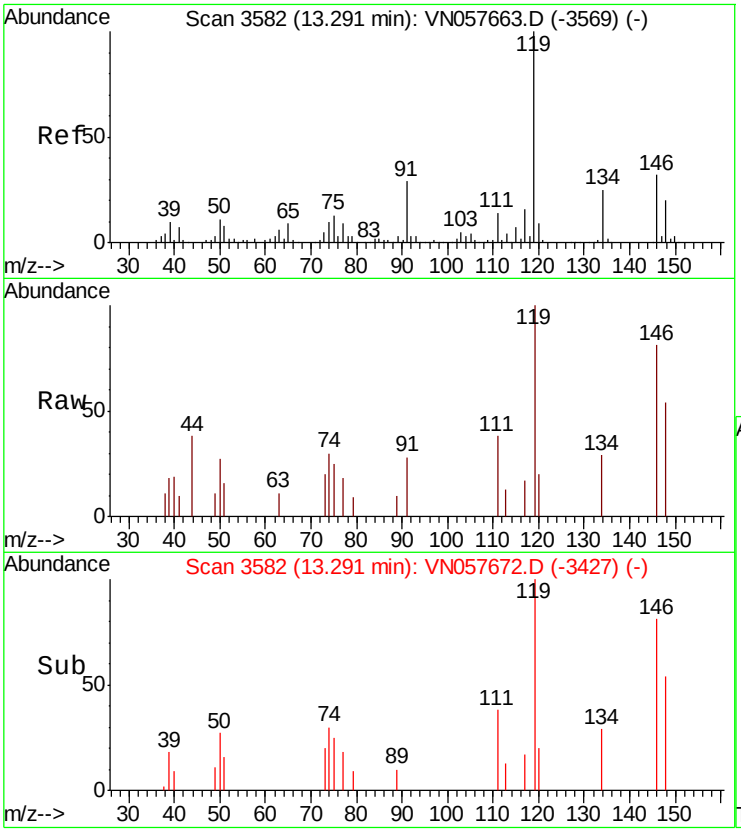


#78
4-Chlorotoluene
Concen: 0.252 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 91 Resp: 2625

Ion	Ratio	Lower	Upper
91	100		
126	21.5	0.0	57.8



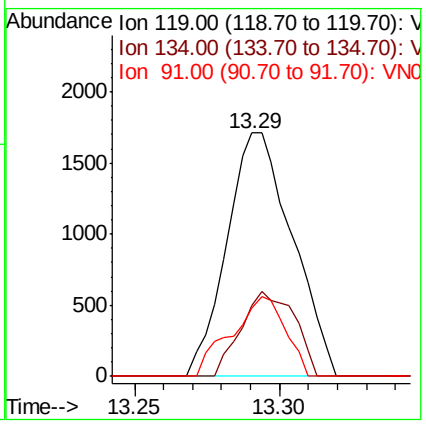


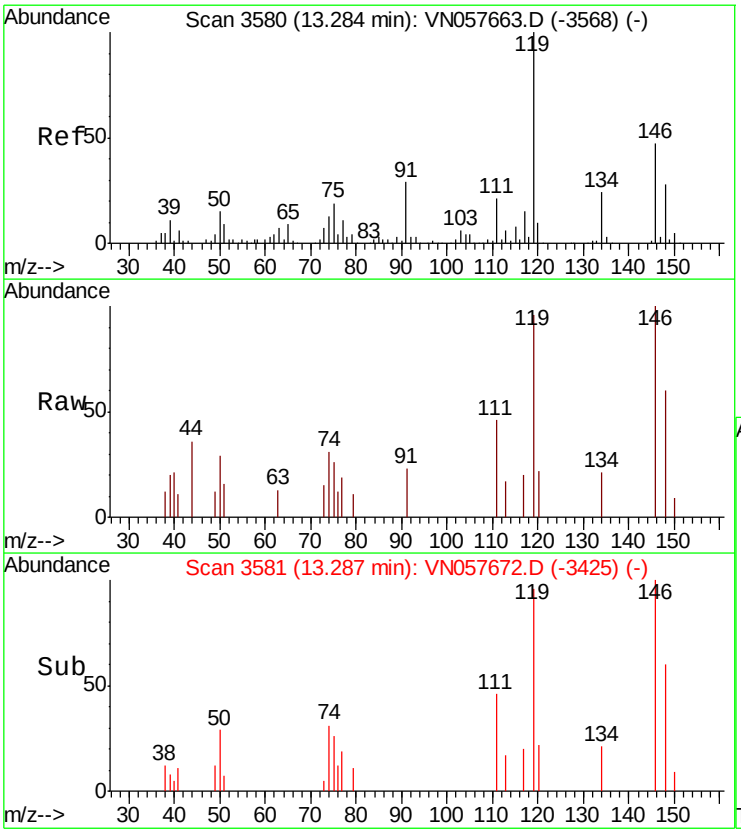
#82
p-Isopropyltoluene
Concen: 0.217 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:119 Resp: 2681

Ion	Ratio	Lower	Upper
119	100		
134	28.3	0.0	49.6
91	27.1	0.0	56.2

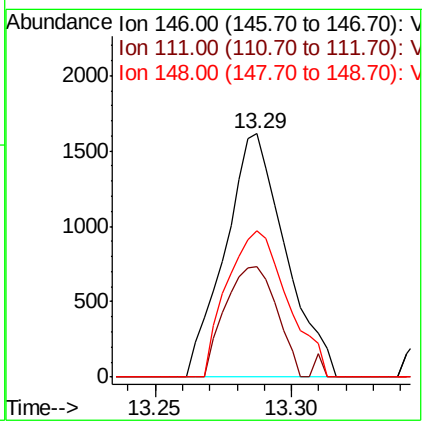


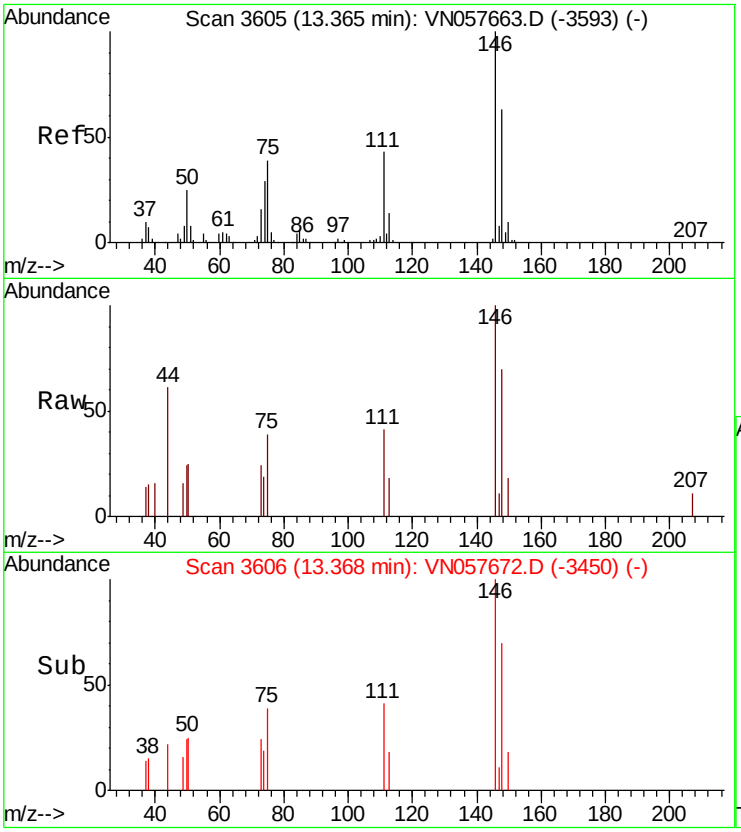


#83
1,3-Dichlorobenzene
Concen: 0.494 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion:146 Resp: 2481

Ion	Ratio	Lower	Upper
146	100		
111	38.9	22.1	66.3
148	60.2	31.3	93.9



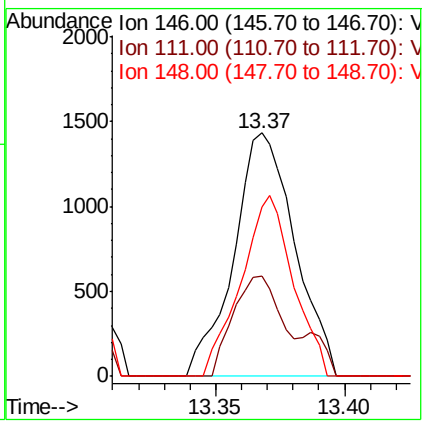


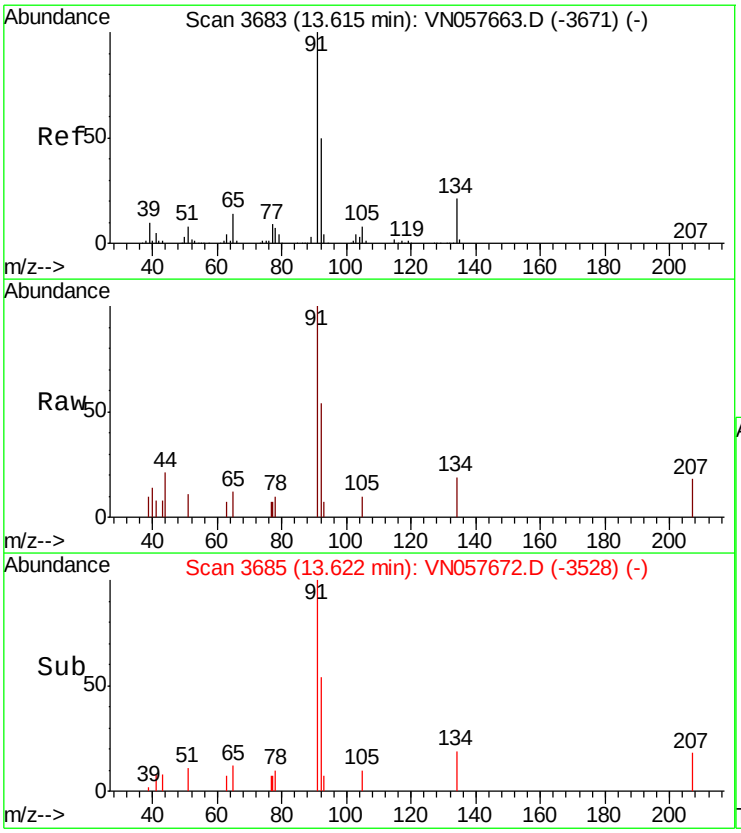
#84
1,4-Dichlorobenzene
Concen: 0.500 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:146 Resp: 2372

Ion	Ratio	Lower	Upper
146	100		
111	32.3	21.3	63.9
148	63.5	31.0	93.0

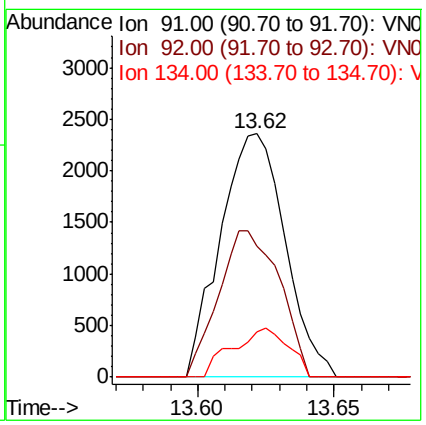


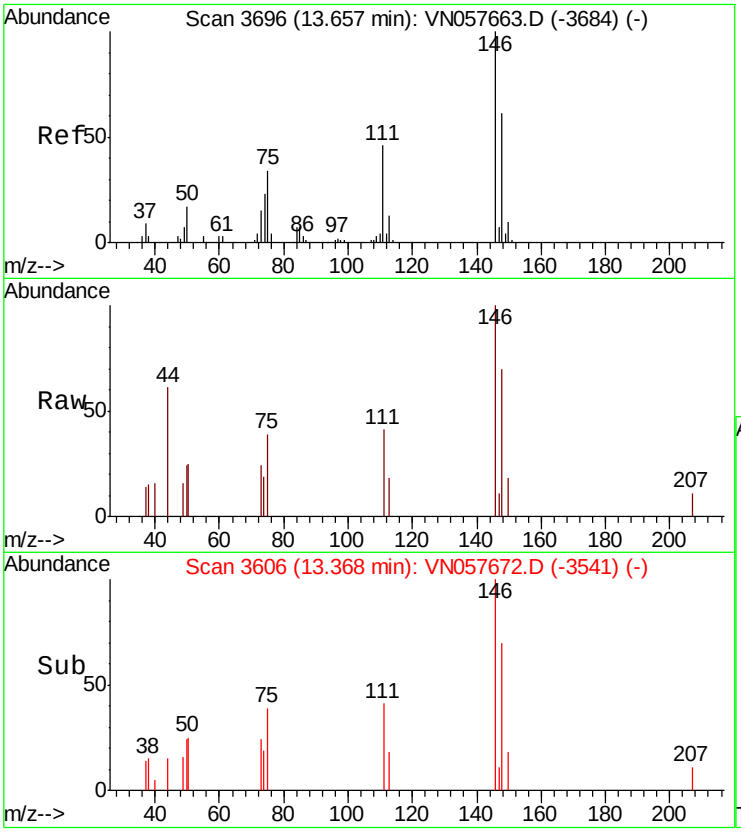


#85
n-Butylbenzene
Concen: 0.358 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.01 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion: 91 Resp: 3885

Ion	Ratio	Lower	Upper
91	100		
92	56.8	0.0	100.2
134	12.2	0.0	43.8



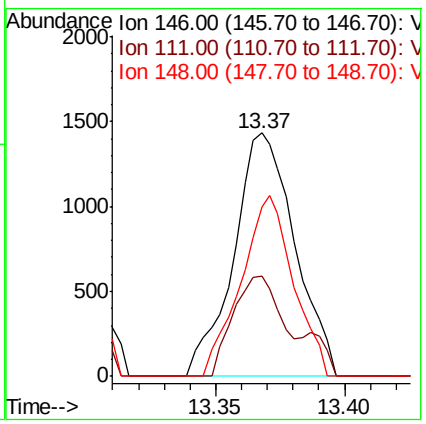


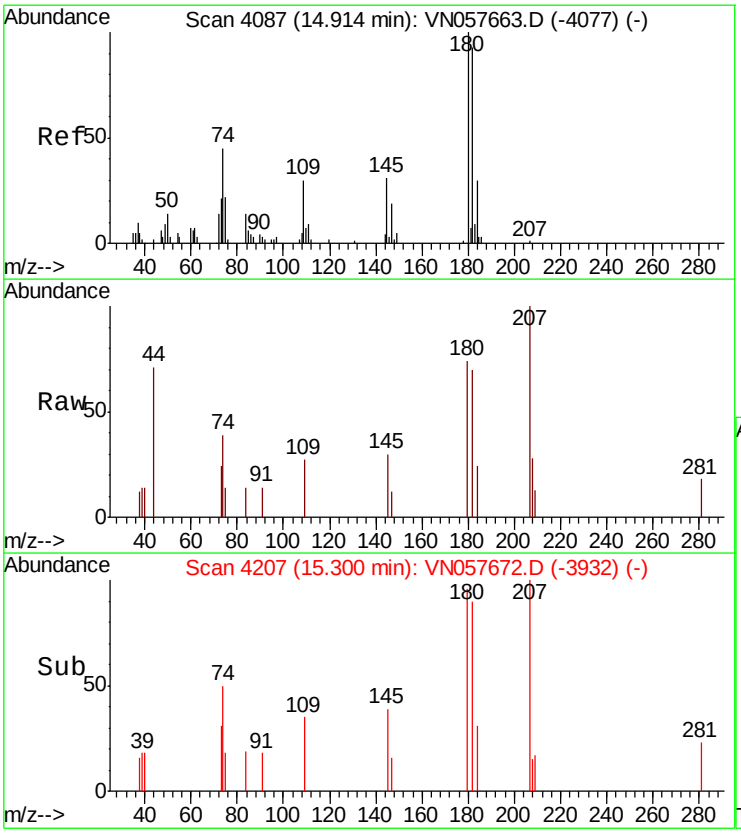
#87
1,2-Dichlorobenzene
Concen: 0.512 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. -0.29 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:146 Resp: 2372

Ion	Ratio	Lower	Upper
146	100		
111	32.3	22.6	67.7
148	63.5	31.3	93.9

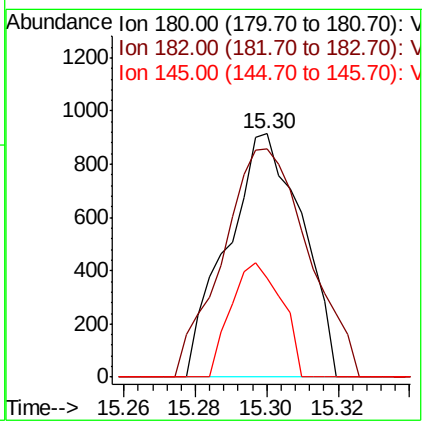


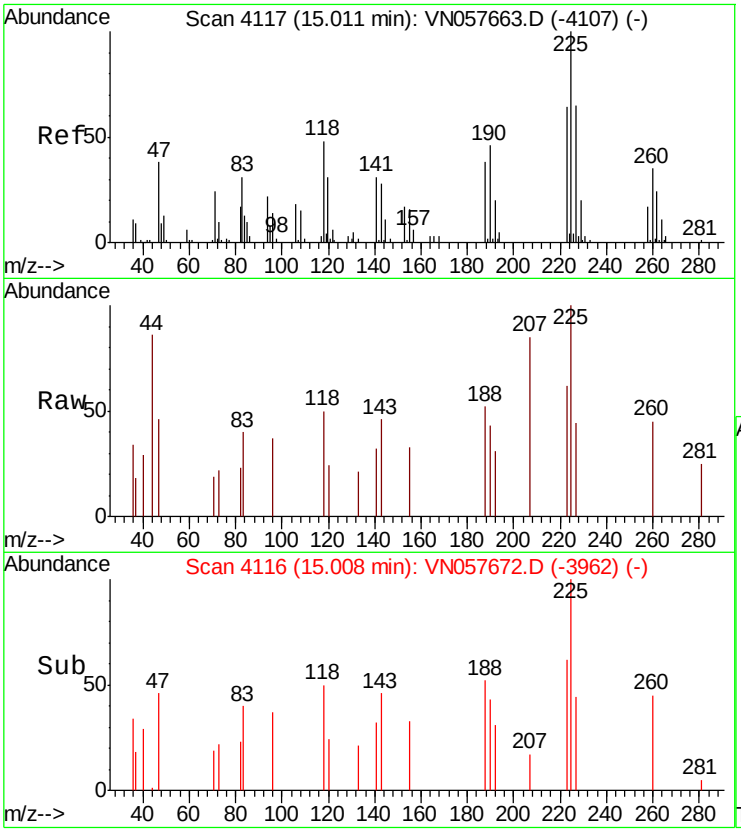


#89
1,2,4-Trichlorobenzene
Concen: 0.827 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.39 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion:180 Resp: 1328

Ion	Ratio	Lower	Upper
180	100		
182	106.9	77.4	116.2
145	31.8	25.1	37.7



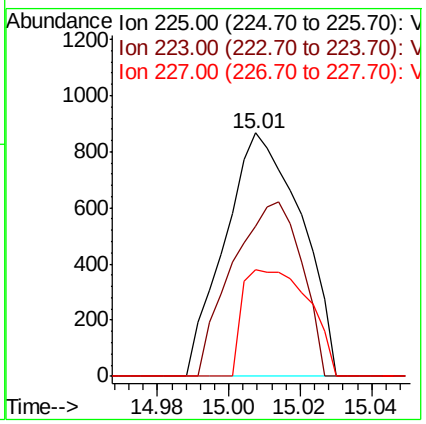


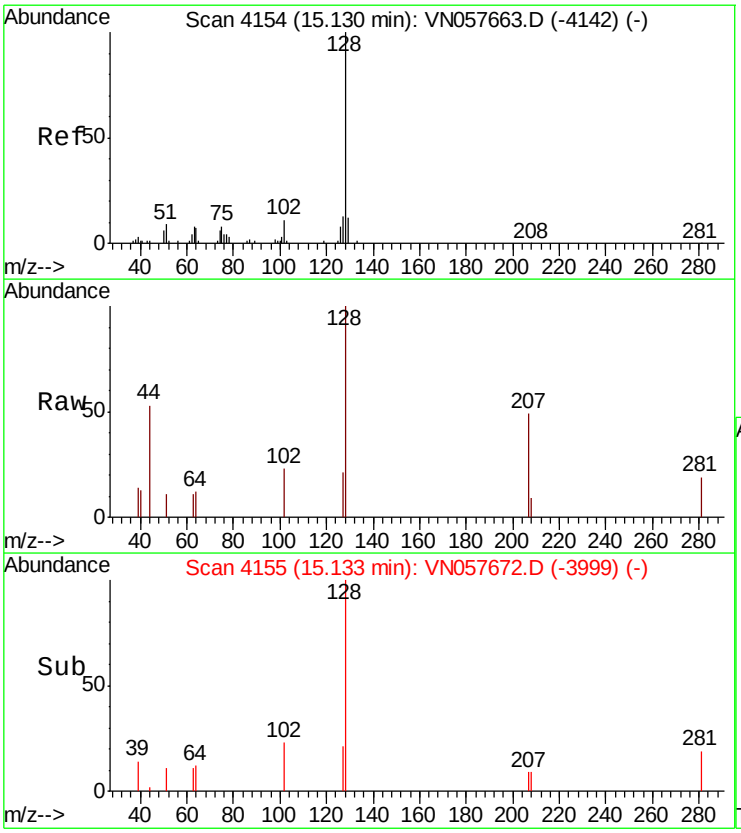
#90
Hexachlorobutadiene
Concen: 0.721 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:225 Resp: 1284

Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	131.0
227	37.9	0.0	128.6

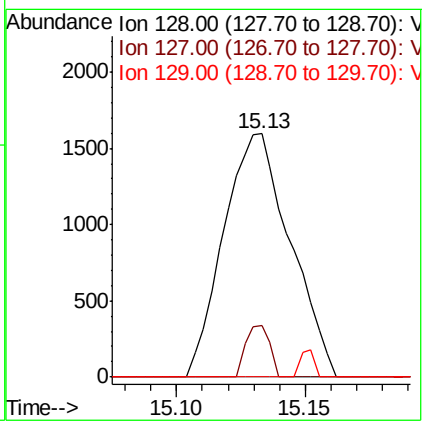


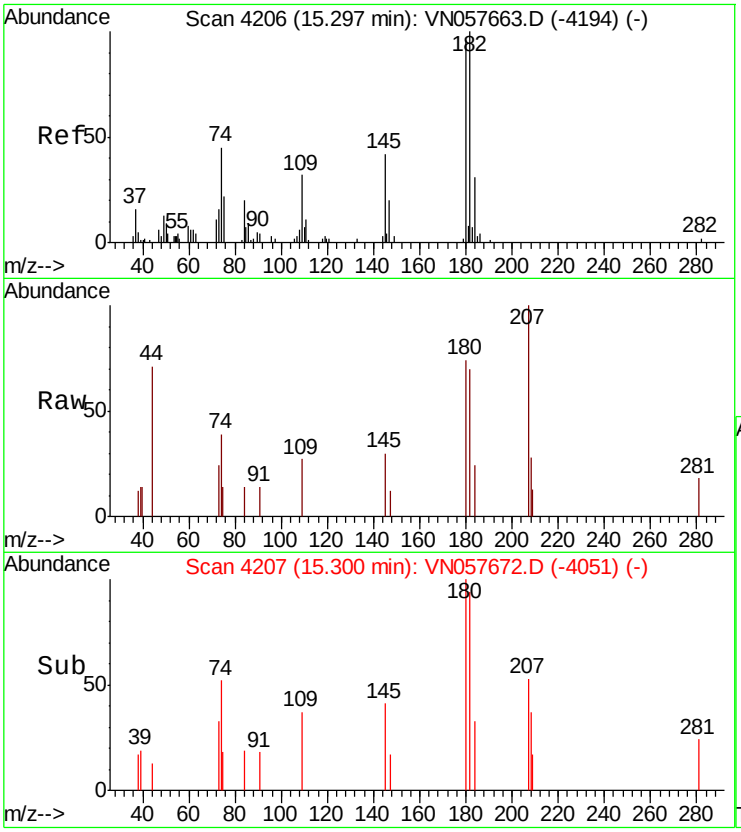


#91
Naphthalene
Concen: 0.687 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Tgt Ion:128 Resp: 2867

Ion	Ratio	Lower	Upper
128	100		
127	7.5	10.3	15.5#
129	2.3	9.1	13.7#





#92
1,2,3-Trichlorobenzene
Concen: 0.851 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057672.D
Acq: 3 Sep 2019 19:20

Instrument :
MSVOA_N
ClientSampleId :
TT-006-IDWGW-20190830

Tgt Ion:180 Resp: 1328

Ion	Ratio	Lower	Upper
180	100		
182	106.9	0.0	199.4
145	31.8	0.0	73.2