Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000109.D
Acq On : 20 Feb 2018 15:39
Operator : JC/MD
Sample : I.BLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : I.BLK

Quant Time: Feb 21 05:42:03 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	10801	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	64926	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	59313	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	25517	30.79	ug/l	-0.01
Spiked Amount 30.000	Range 50 - 169		Recovery = 102.63%			
60) 4-Bromofluorobenzene	11.15	95	28626	29.66	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 98.87%			
63) Toluene-d8	8.73	98	77198	30.34	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.13%			
Target Compounds						Qvalue
5) Bromomethane	1.67	94	238	0.33	ug/l	86
6) Chloroethane	1.73	64	275	0.55	ug/l #	44
11) Methyl Iodide	2.52	142	147	0.25	ug/l #	37
12) Methyl Acetate	2.79	43	279	0.22	ug/l #	52
13) Acrolein	2.30	56	117	0.79	ug/l #	57
14) Acrylonitrile	3.15	53	508	0.91	ug/l	95
15) Acetone	2.45	58	88	0.46	ug/l #	1
16) Carbon Disulfide	2.57	76	2228	1.09	ug/l	97
18) Methylene Chloride	2.86	84	185	0.24	ug/l #	53
19) trans-1,2-Dichloroethene	3.17	96	288	0.37	ug/l #	80
30) 2-Butanone	4.71	43	346	0.46	ug/l #	54
55) 2-Chloroethyl vinyl ether	8.31	63	150	0.26	ug/l #	44
56) Bromoform	11.14	173	280	0.42	ug/l #	1
59) 2-Hexanone	9.51	43	333	0.29	ug/l #	95
66) Ethyl Benzene	10.37	91	784	0.22	ug/l	91
67) m/p-Xylenes	10.37	106	326	0.24	ug/l	75
77) t-1,4-Dichloro-2-butene	11.15	75	15488	38.27	ug/l #	11
78) 4-Chlorotoluene	11.52	91	591	0.20	ug/l	95
83) 1,3-Dichlorobenzene	12.04	146	438	0.24	ug/l	93
84) 1,4-Dichlorobenzene	12.10	146	528	0.28	ug/l	98
85) n-Butylbenzene	12.40	91	957	0.30	ug/l	93
89) 1,2,4-Trichlorobenzene	13.66	180	429	0.33	ug/l #	67
90) Hexachlorobutadiene	13.79	225	204	0.37	ug/l	88
91) Naphthalene	13.84	128	1029	0.22	ug/l #	95
92) 1,2,3-Trichlorobenzene	14.03	180	438	0.33	ug/l	89

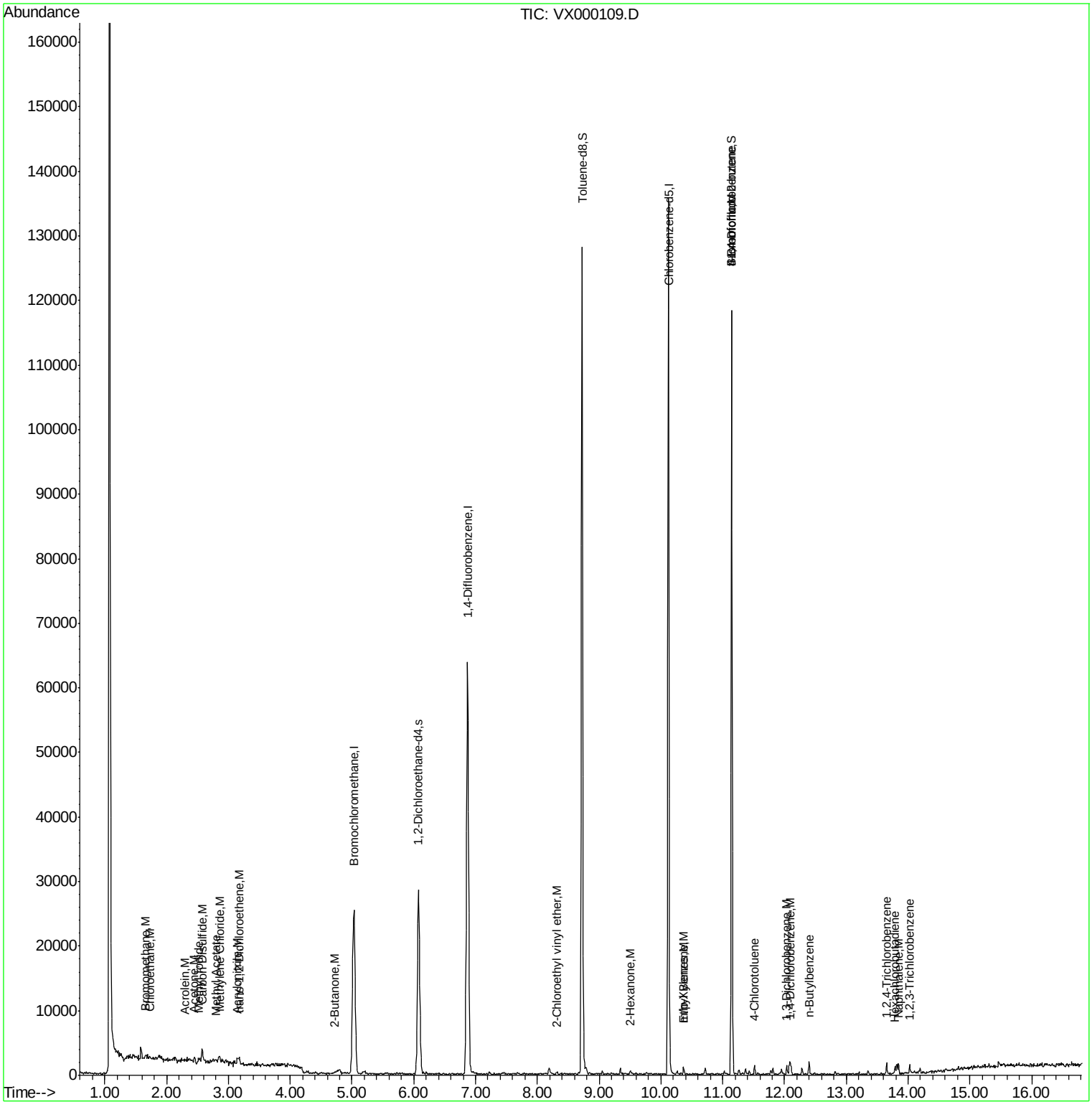
(#) = qualifier out of range (m) = manual integration (+) = signals summed

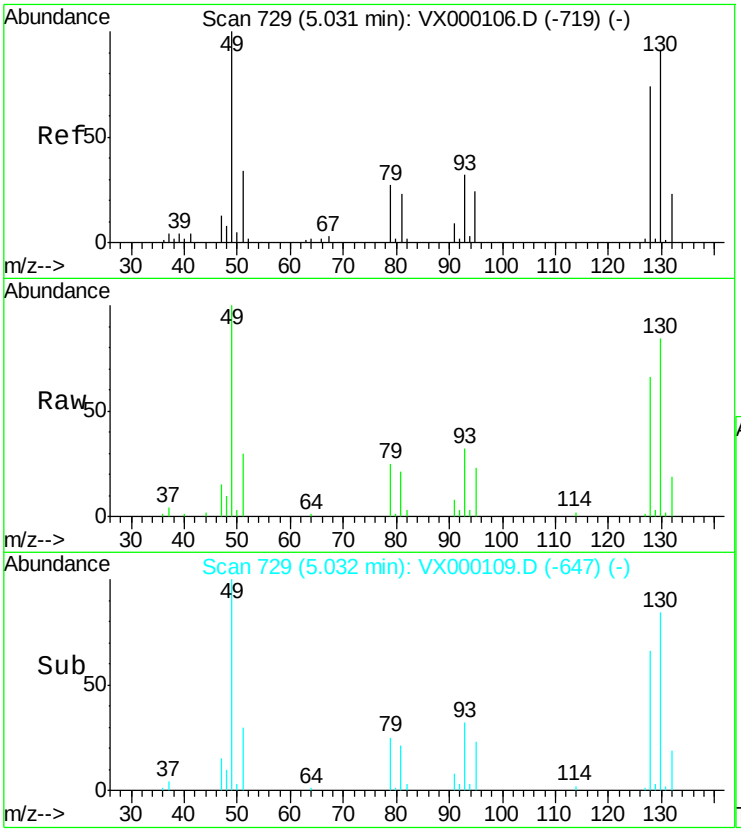
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000109.D
Acq On : 20 Feb 2018 15:39
Operator : JC/MD
Sample : I.BLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Quant Time: Feb 21 05:42:03 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration



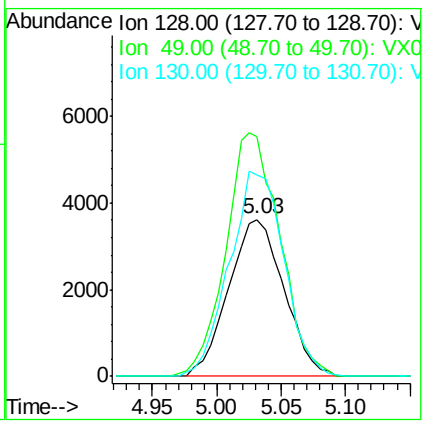


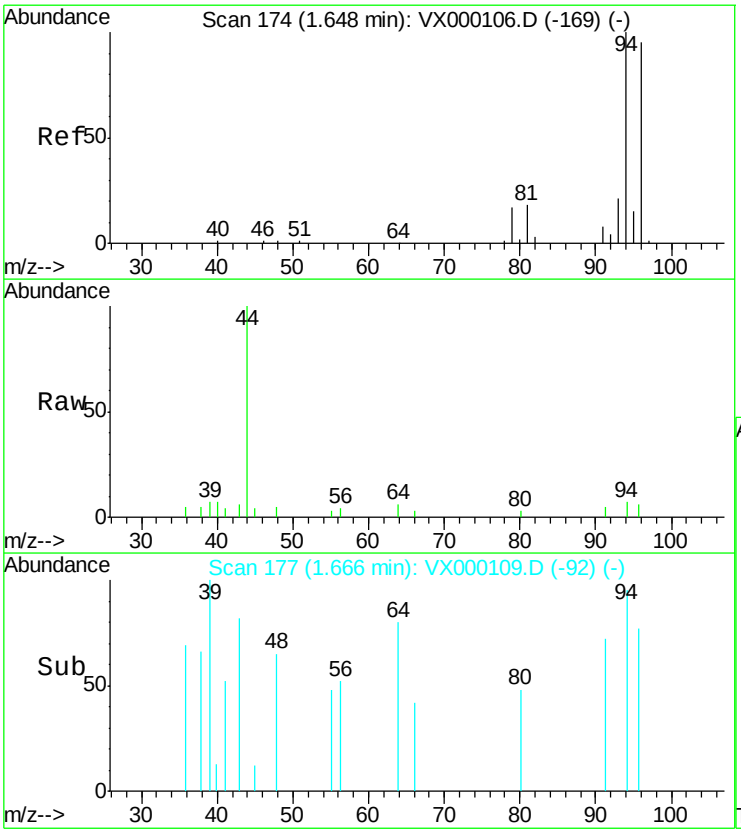
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion:128 Resp: 10801

Ion	Ratio	Lower	Upper
128	100		
49	151.5	0.0	378.3
130	129.3	0.0	324.3

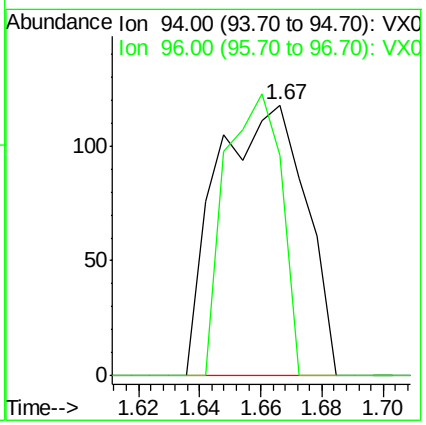


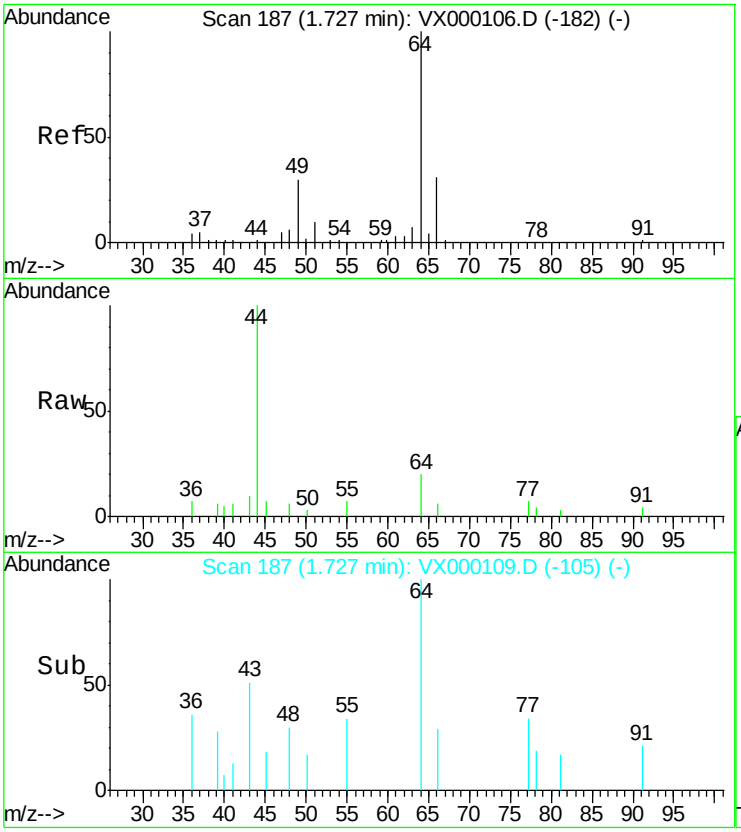


#5
Bromomethane
Concen: 0.33 ug/l
RT: 1.67 min Scan# 177
Delta R.T. 0.02 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 94 Resp: 238

Ion	Ratio	Lower	Upper
94	100		
96	81.4	76.2	114.2



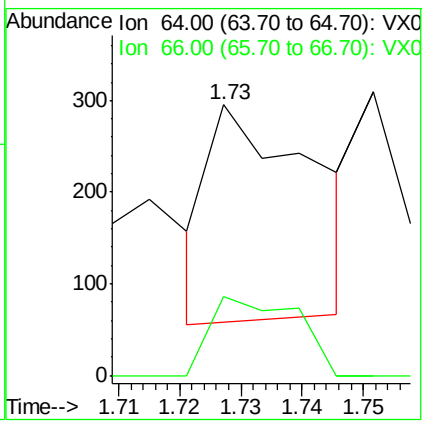


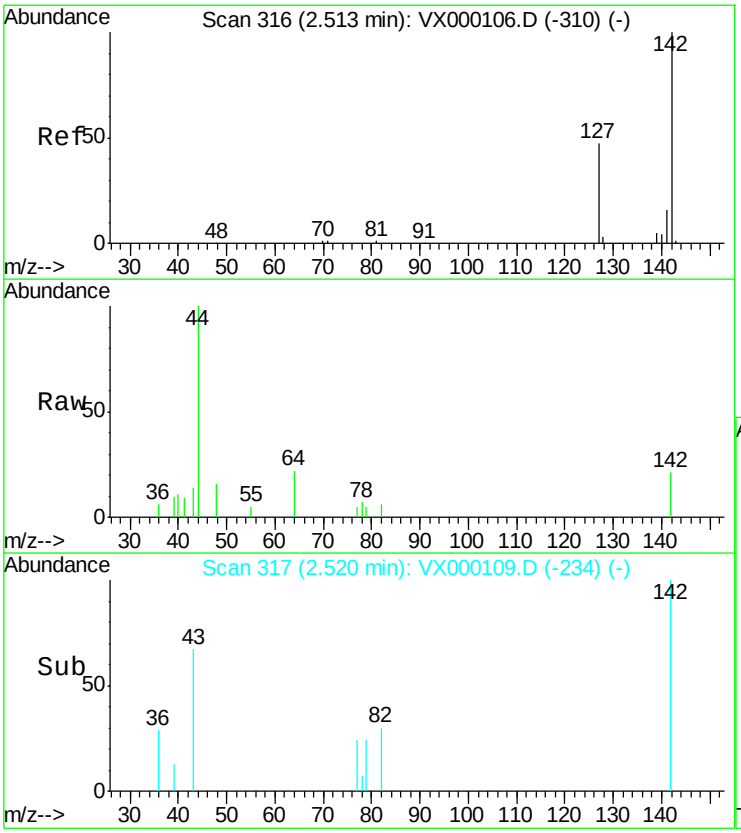
#6
Chloroethane
Concen: 0.55 ug/l
RT: 1.73 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 64 Resp: 275

Ion	Ratio	Lower	Upper
64	100		
66	62.3	25.2	37.8#

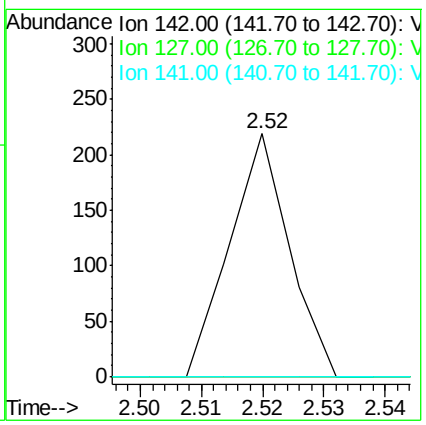


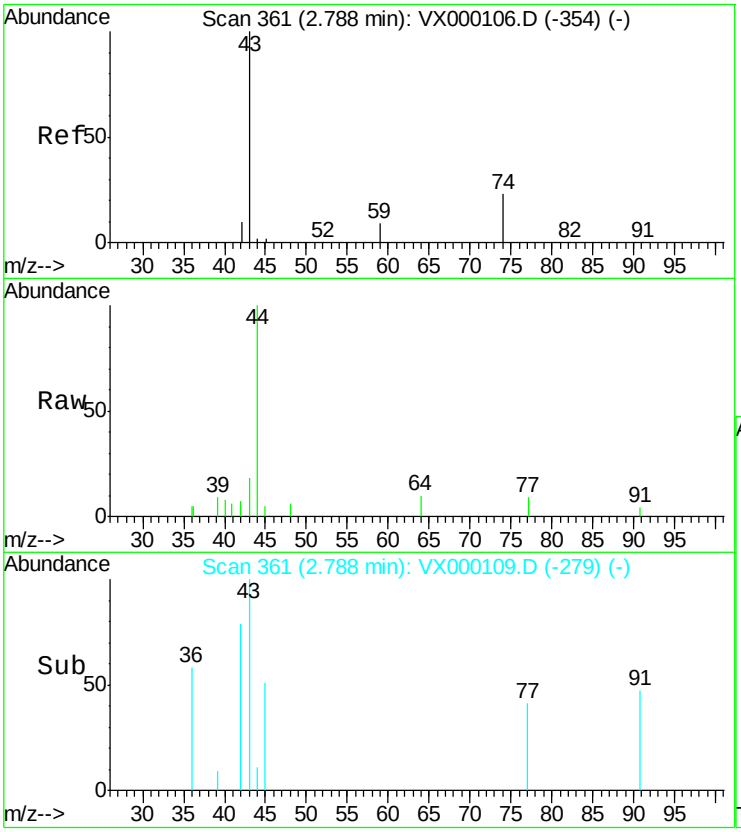


#11
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion:142 Resp: 147

Ion	Ratio	Lower	Upper
142	100		
127	0.0	23.8	71.5#
141	0.0	8.2	24.4#



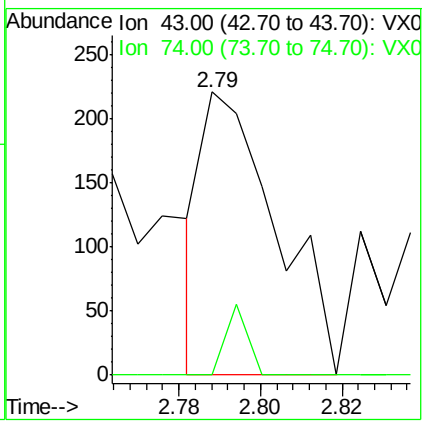


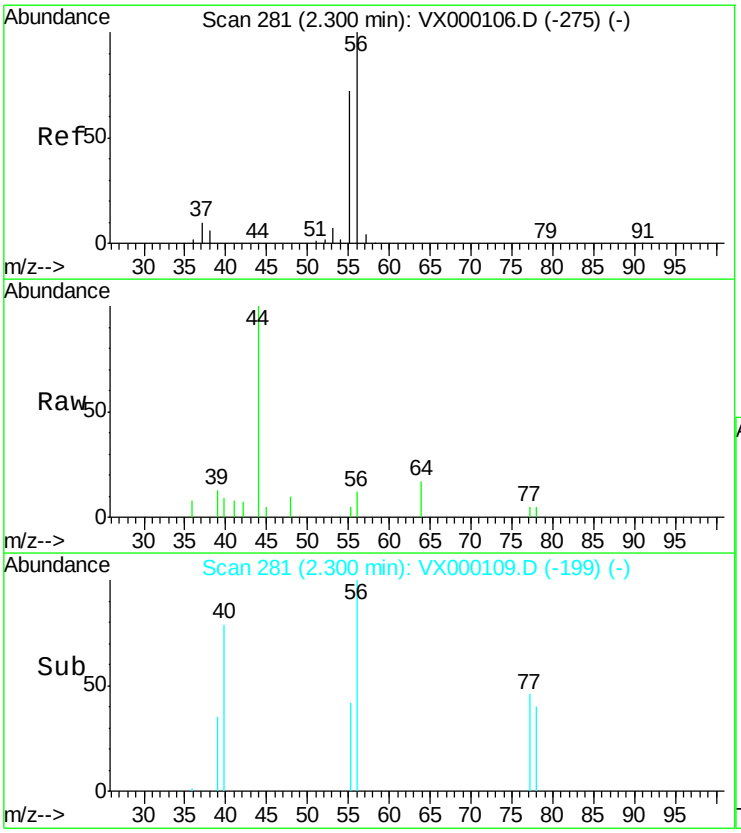
#12
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 43 Resp: 279

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.6	27.8#

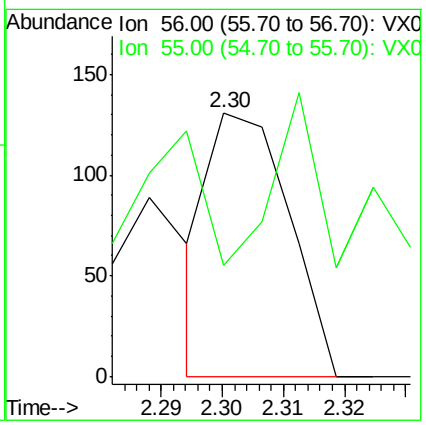


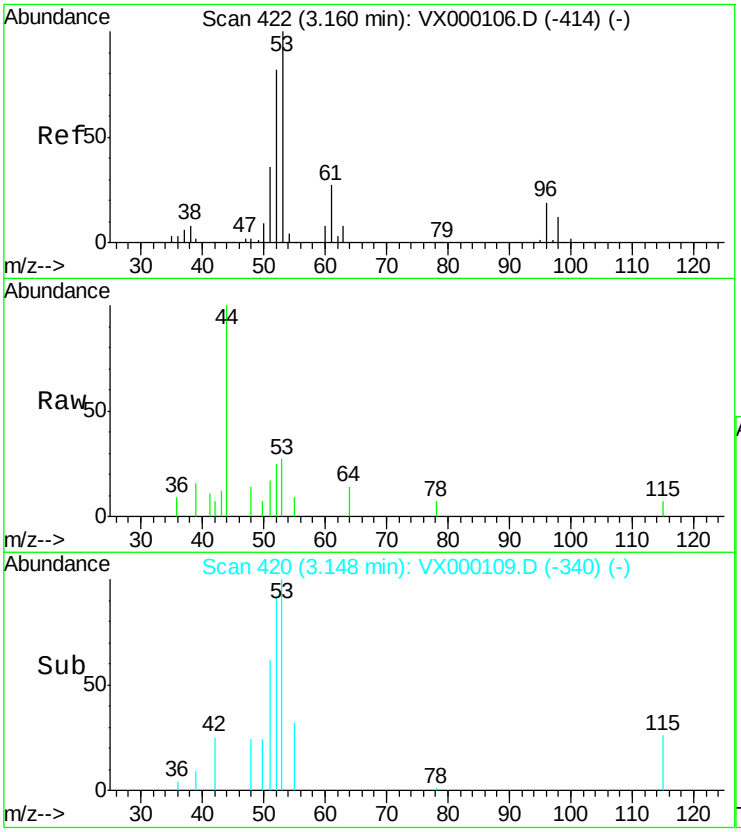


#13
Acrolein
Concen: 0.79 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 56 Resp: 117

Ion	Ratio	Lower	Upper
56	100		
55	107.7	57.3	85.9#



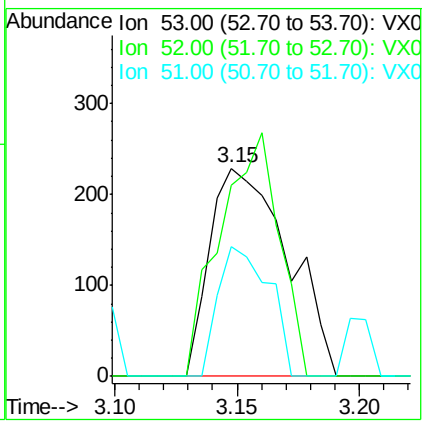


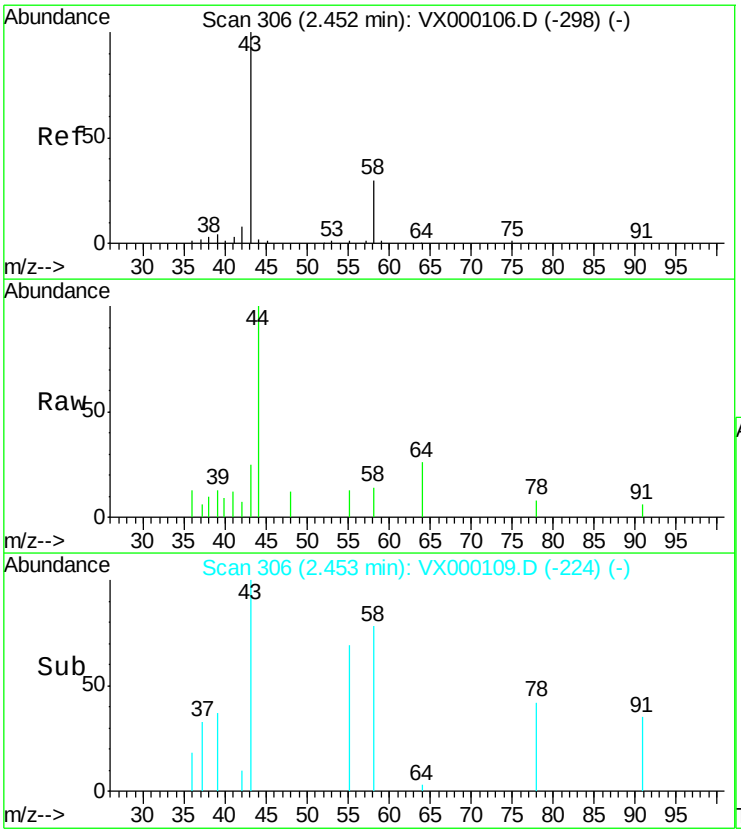
#14
Acrylonitrile
Concen: 0.91 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 53 Resp: 508

Ion	Ratio	Lower	Upper
53	100		
52	88.2	41.9	125.8
51	40.9	18.8	56.3

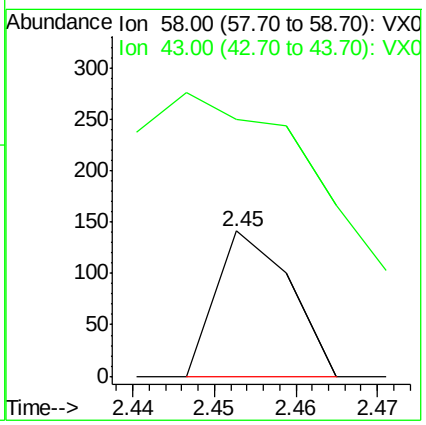


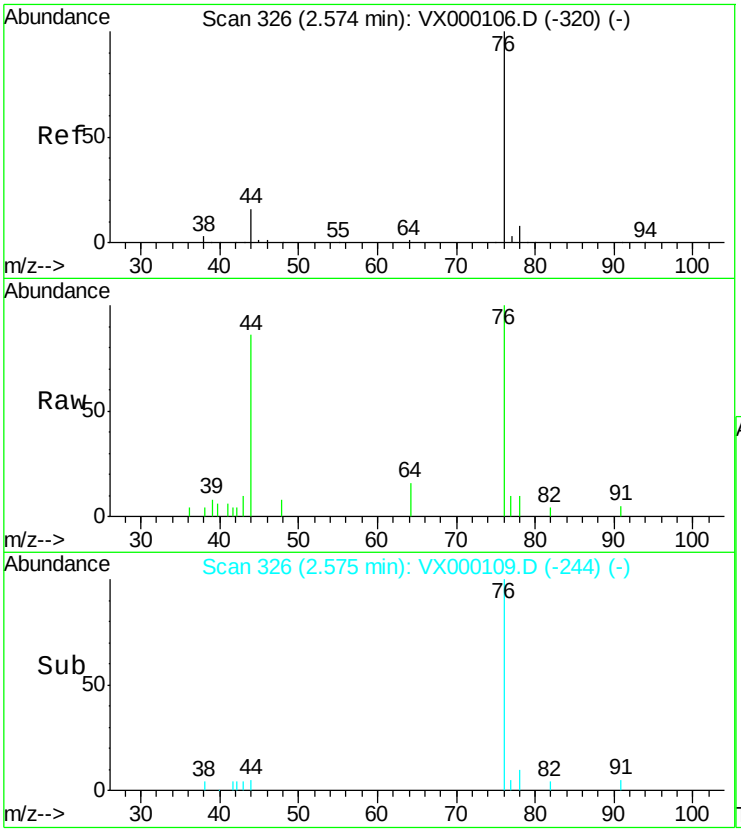


#15
Acetone
Concen: 0.46 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 58 Resp: 88

Ion	Ratio	Lower	Upper
58	100		
43	58.9	264.6	396.8#



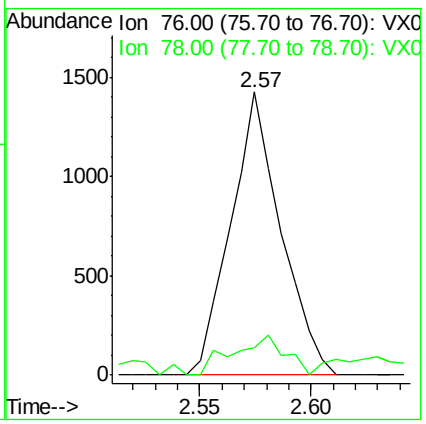


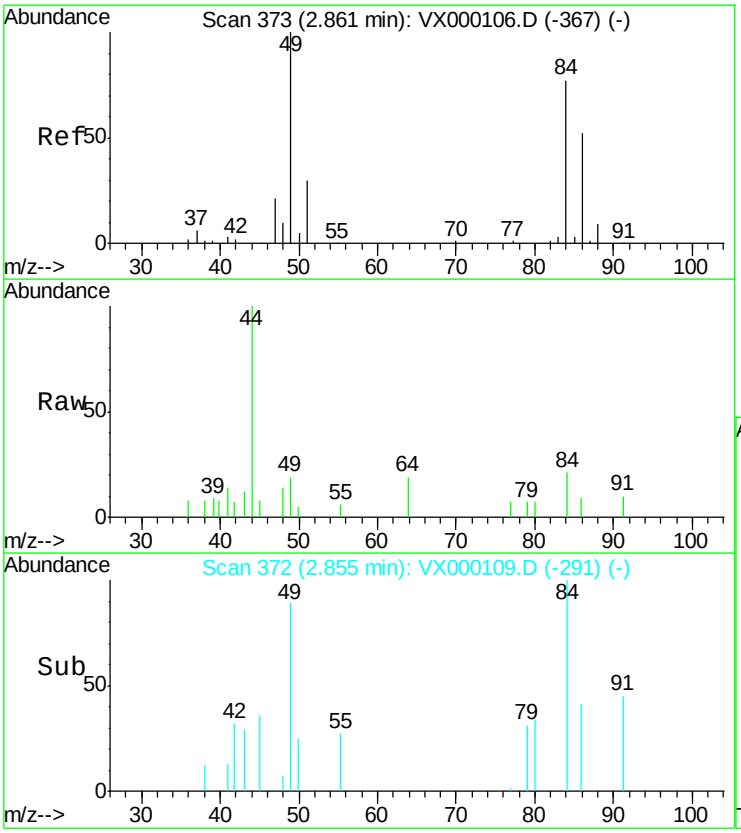
#16
Carbon Disulfide
Concen: 1.09 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 76 Resp: 2228

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.8	10.2

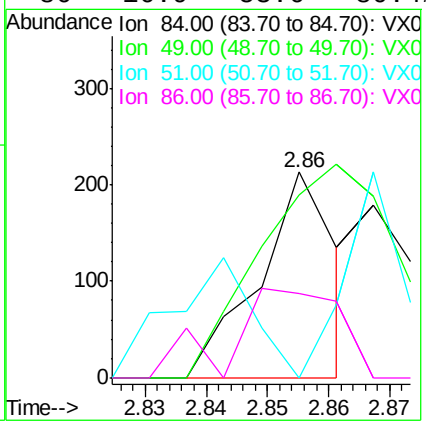


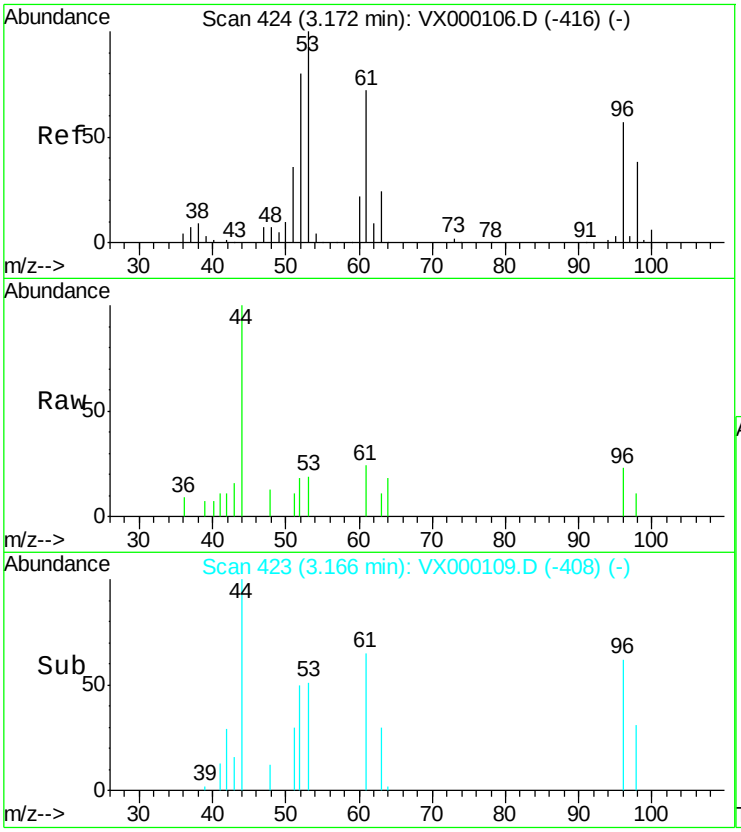


#18
Methylene Chloride
Concen: 0.24 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 84 Resp: 185

Ion	Ratio	Lower	Upper
84	100		
49	89.2	103.3	154.9#
51	0.0	31.2	46.8#
86	16.9	53.6	80.4#



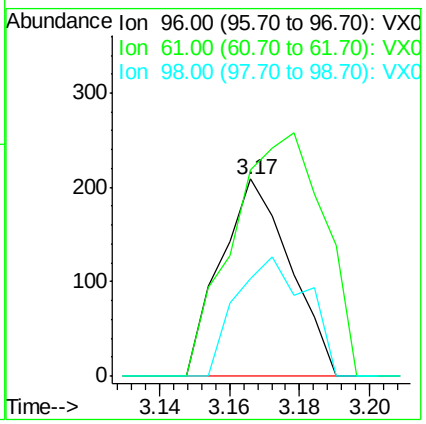


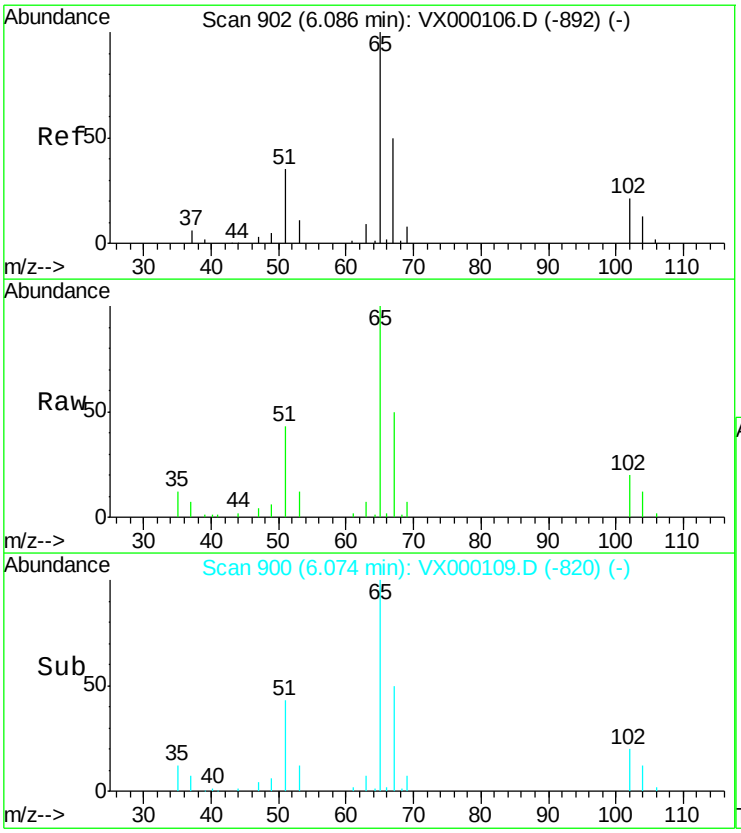
#19
trans-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 96 Resp: 288

Ion	Ratio	Lower	Upper
96	100		
61	104.3	101.0	151.6
98	49.3	53.3	79.9#

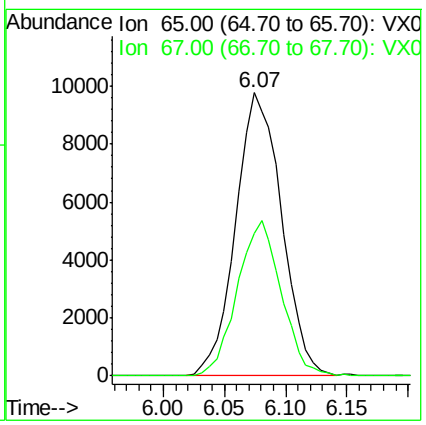


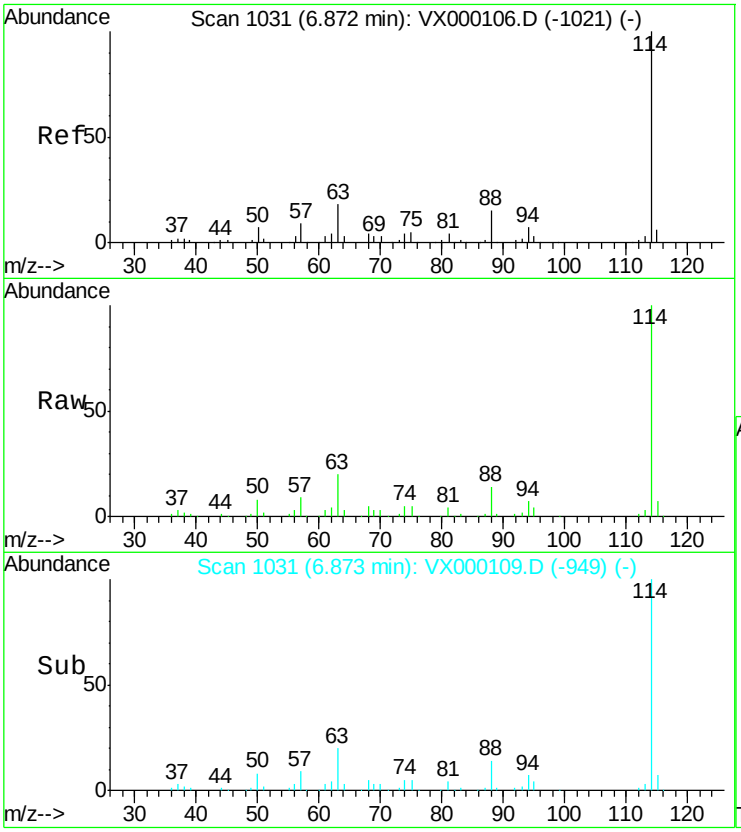


#27
1,2-Dichloroethane-d4
Concen: 30.79 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 65 Resp: 25517

Ion	Ratio	Lower	Upper
65	100		
67	52.2	41.4	62.2



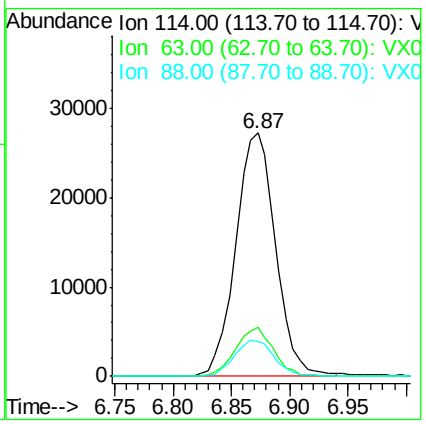


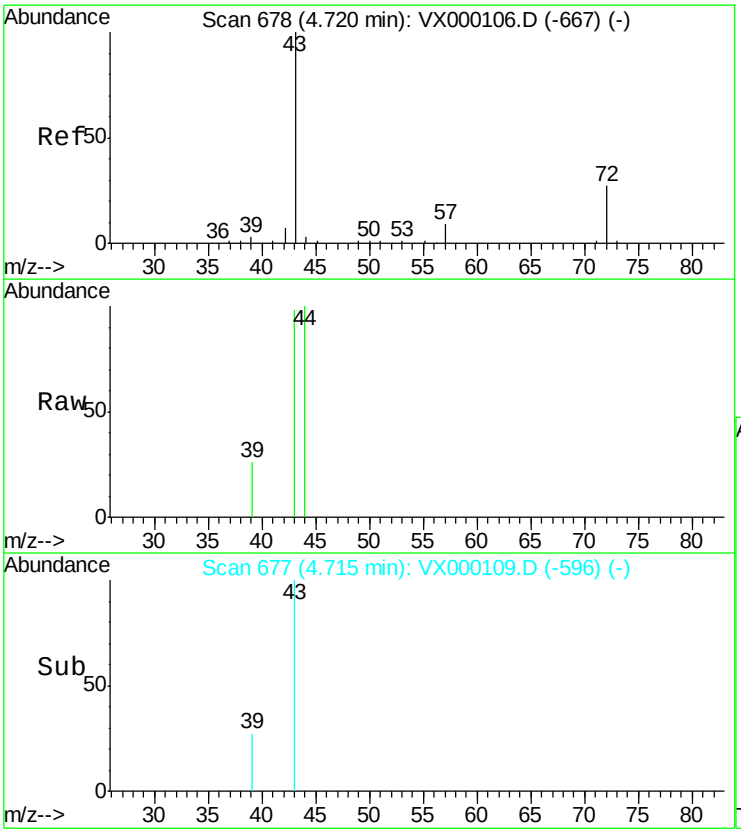
#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument : MSVOA_X
ClientSampleId : I.BLK

Tgt Ion:114 Resp: 64926

Ion	Ratio	Lower	Upper
114	100		
63	19.2	15.0	22.4
88	15.0	11.8	17.8

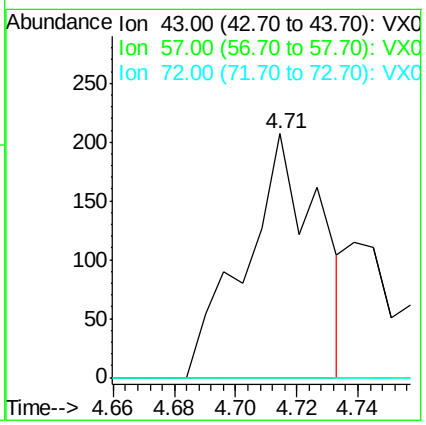


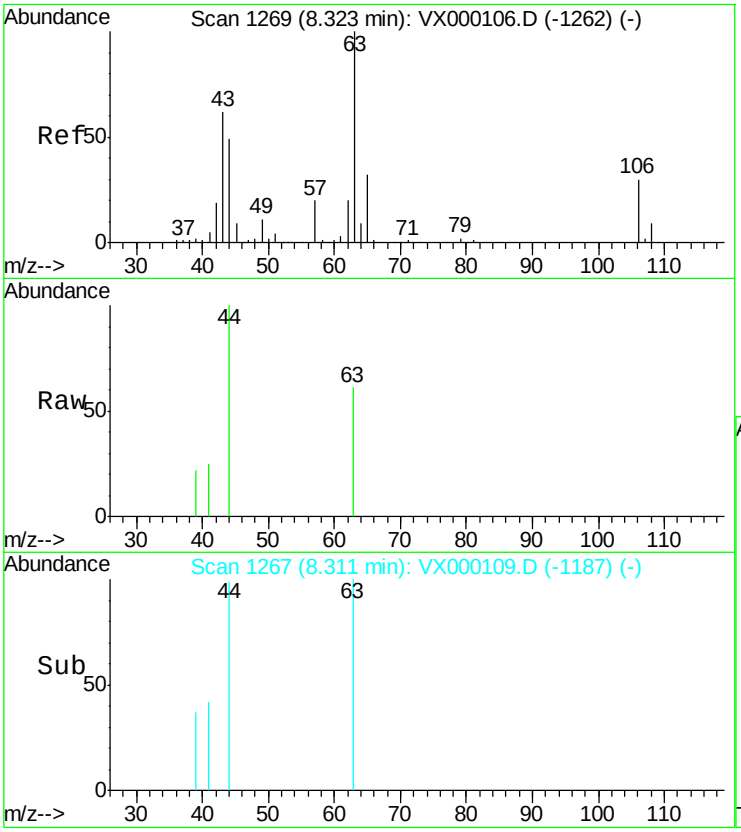


#30
2-Butanone
Concen: 0.46 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 43 Resp: 346

Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.6	10.0#
72	0.0	21.8	32.6#



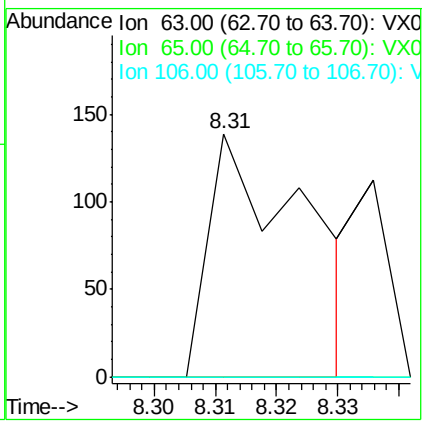


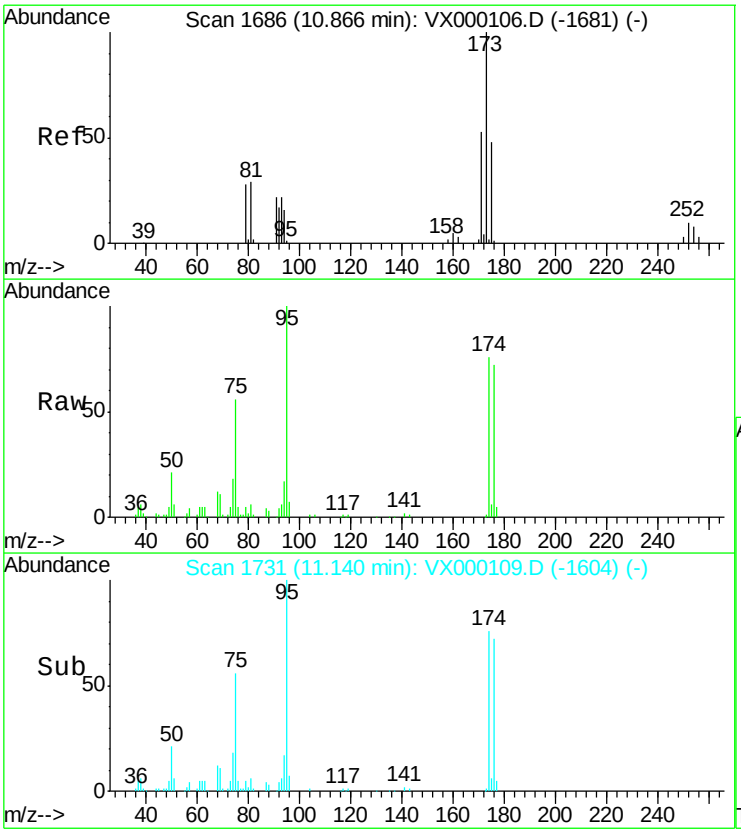
#55
2-Chloroethyl vinyl ether
Concen: 0.26 ug/l
RT: 8.31 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 63 Resp: 150

Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.8#
106	0.0	23.8	35.6#

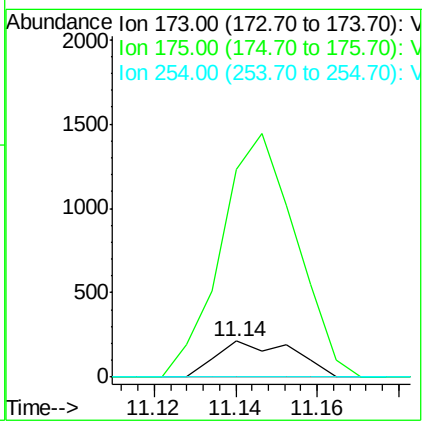


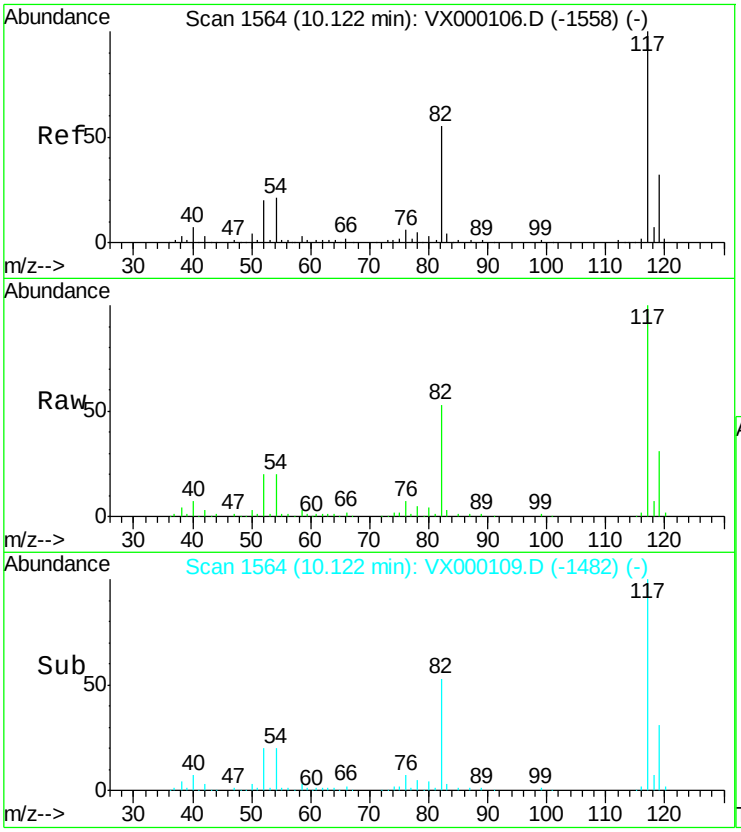


#56
Bromoform
Concen: 0.42 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.27 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion:173 Resp: 280

Ion	Ratio	Lower	Upper
173	100		
175	659.6	39.0	58.4#
254	0.0	7.0	10.4#



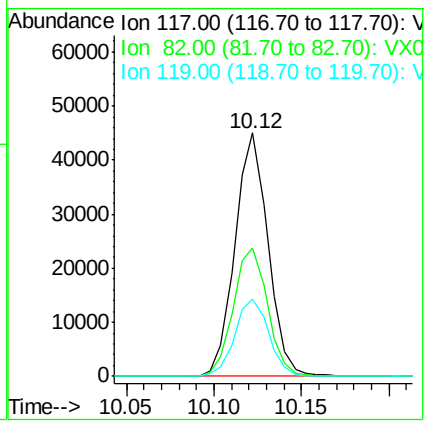


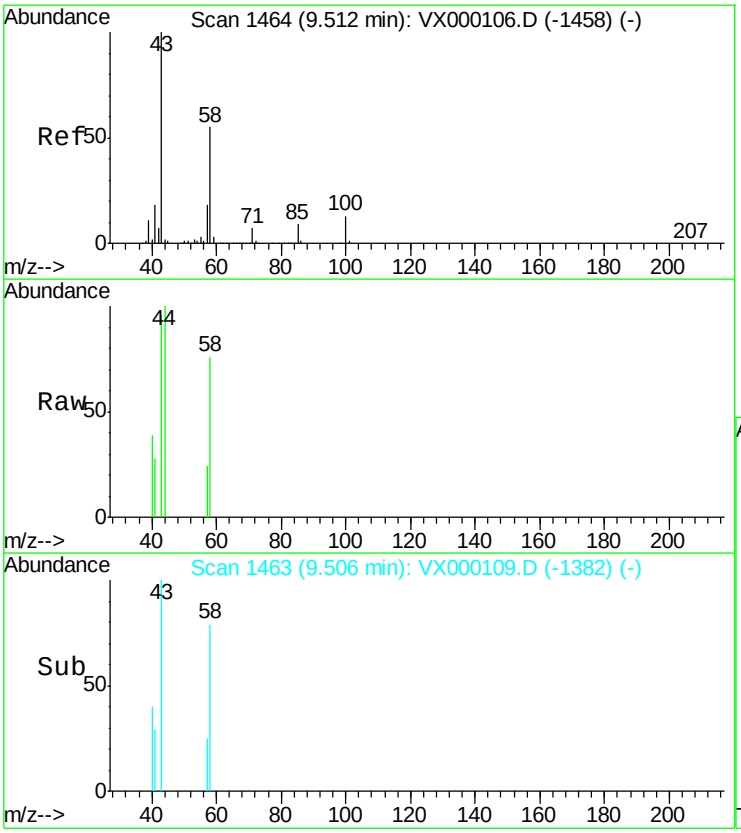
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion:117 Resp: 59313

Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.0	64.4
119	32.6	25.8	38.8

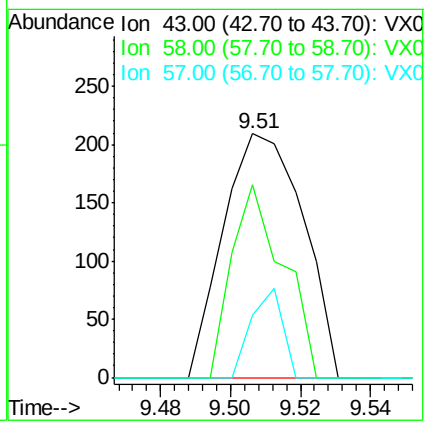


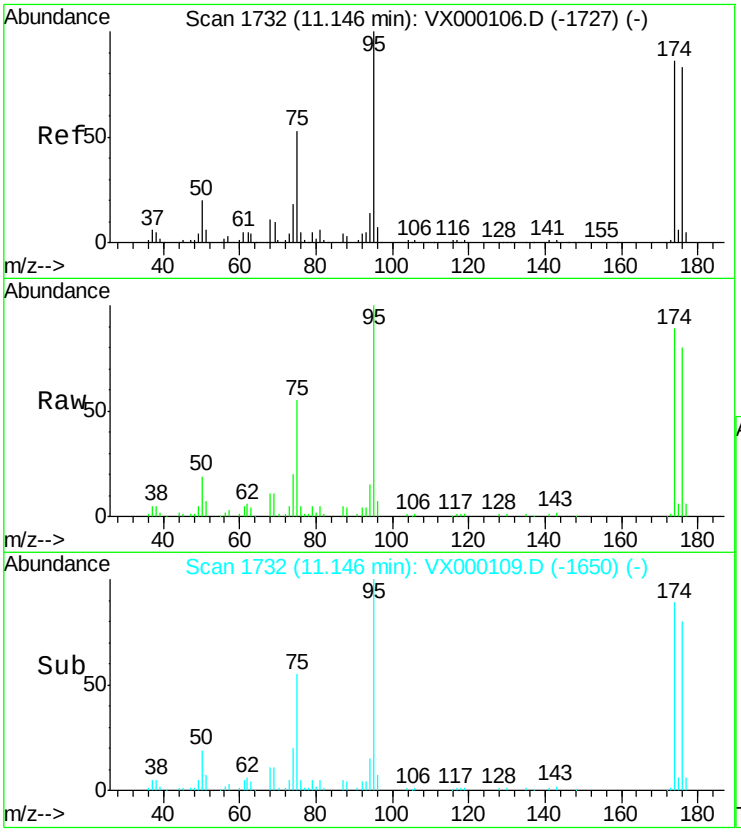


#59
2-Hexanone
Concen: 0.29 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 43 Resp: 333

Ion	Ratio	Lower	Upper
43	100		
58	51.1	43.0	64.6
57	14.1	14.4	21.6#



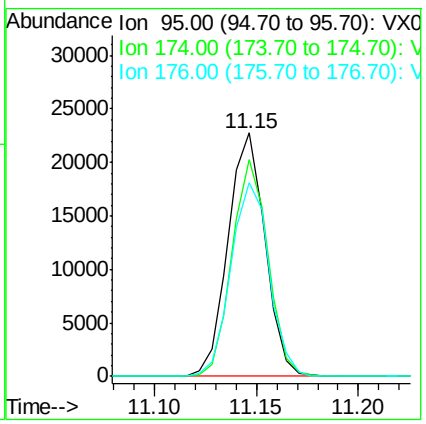


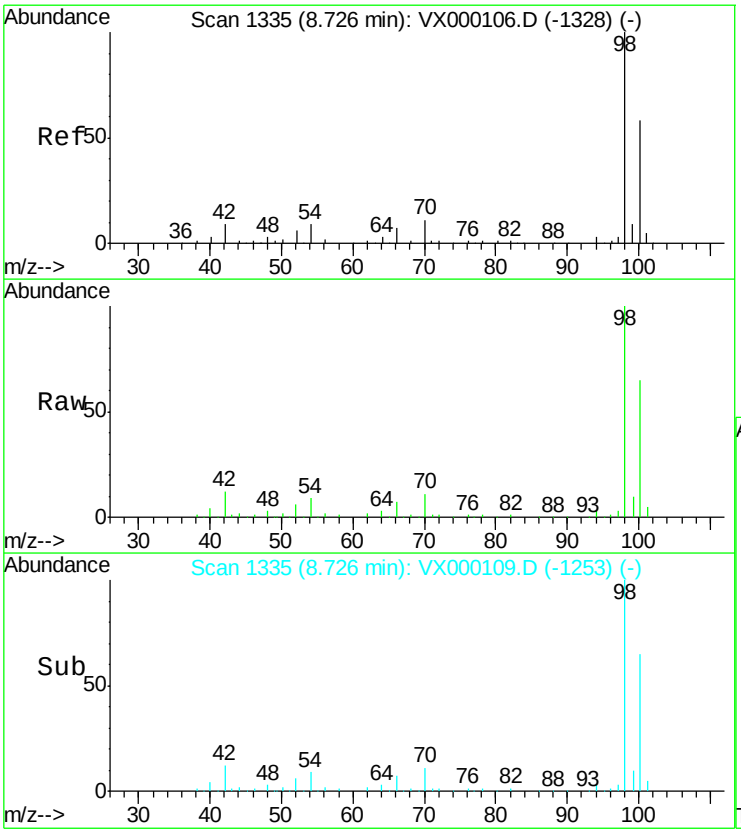
#60
4-Bromofluorobenzene
Concen: 29.66 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 95 Resp: 28626

Ion	Ratio	Lower	Upper
95	100		
174	86.1	71.1	106.7
176	82.2	69.3	103.9

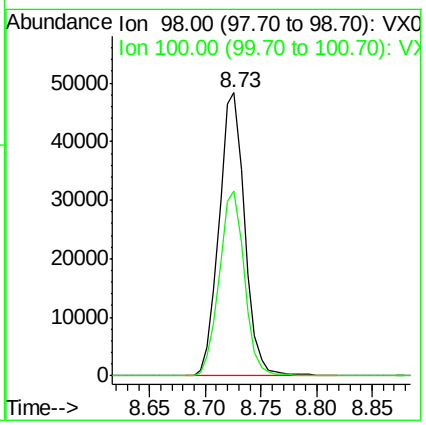


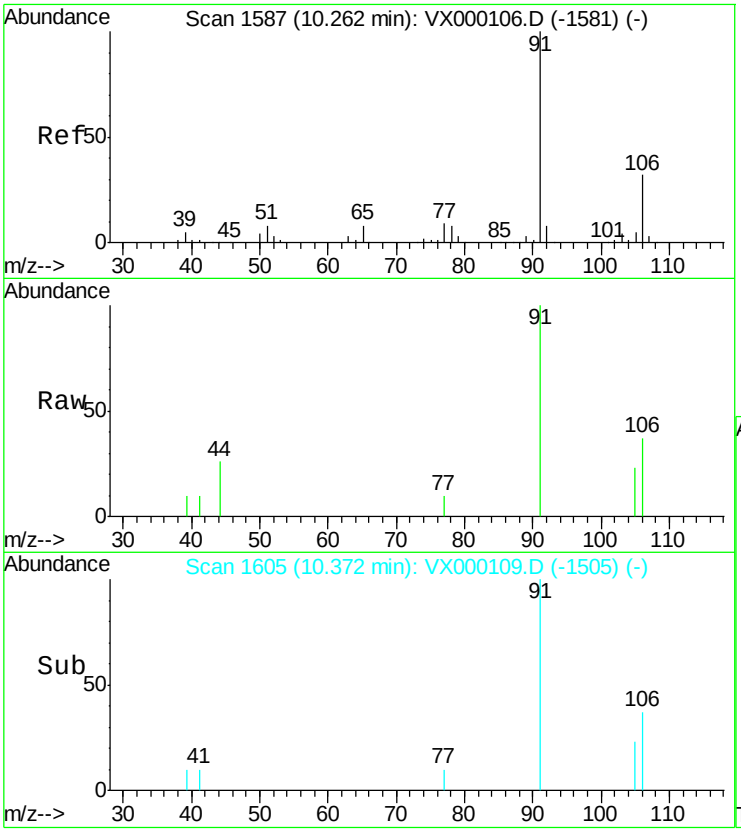


#63
Toluene-d8
Concen: 30.34 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 98 Resp: 77198

Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.0	75.0



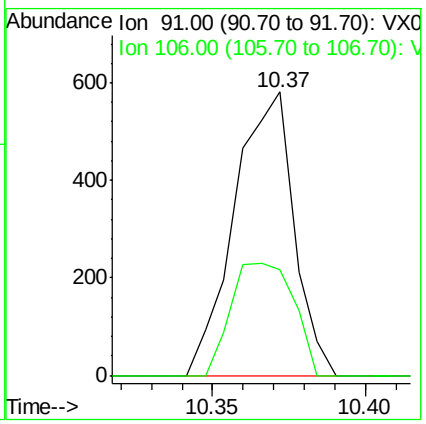


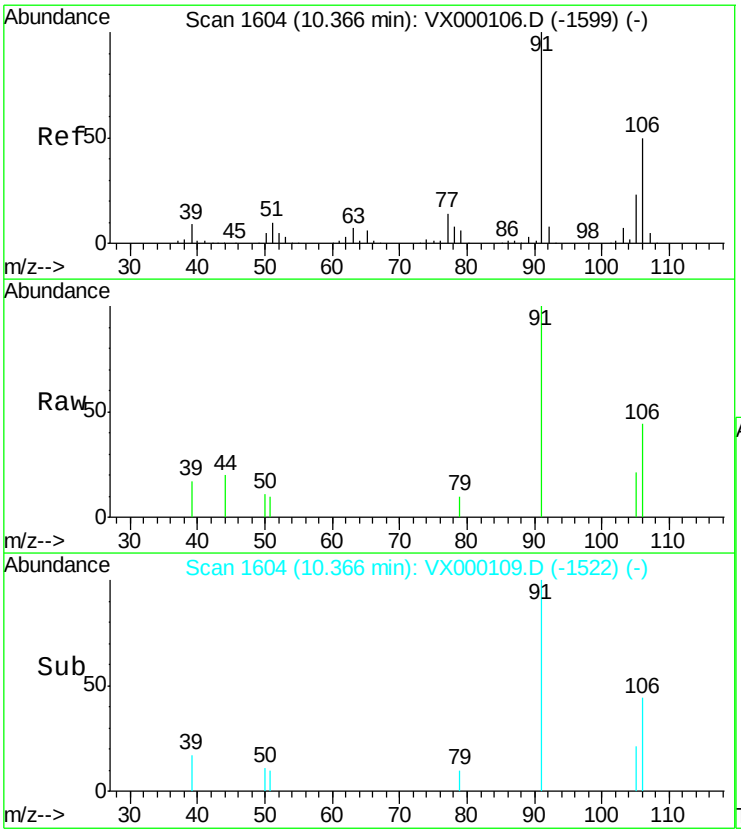
#66
Ethyl Benzene
Concen: 0.22 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.11 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument : MSVOA_X
ClientSampleId : I.BLK

Tgt Ion: 91 Resp: 784

Ion	Ratio	Lower	Upper
91	100		
106	37.3	25.9	38.9

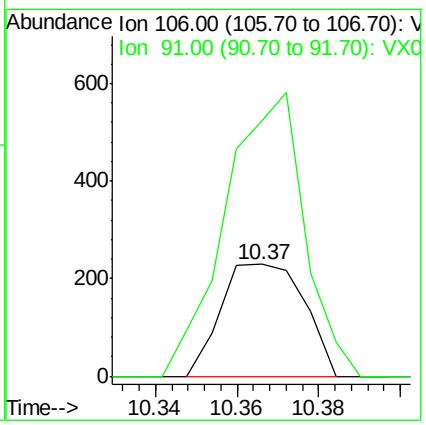


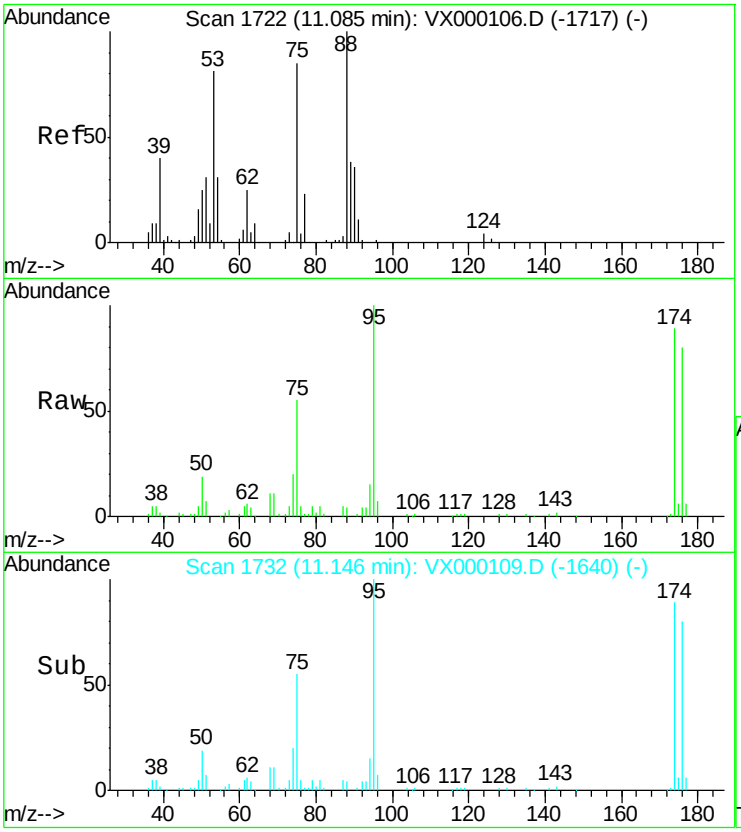


#67
m/p-Xylenes
Concen: 0.24 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion:106 Resp: 326

Ion	Ratio	Lower	Upper
106	100		
91	240.5	161.6	242.4



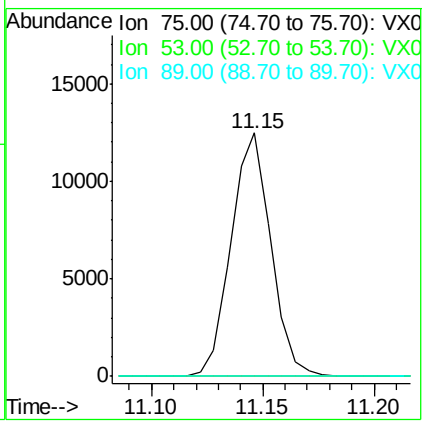


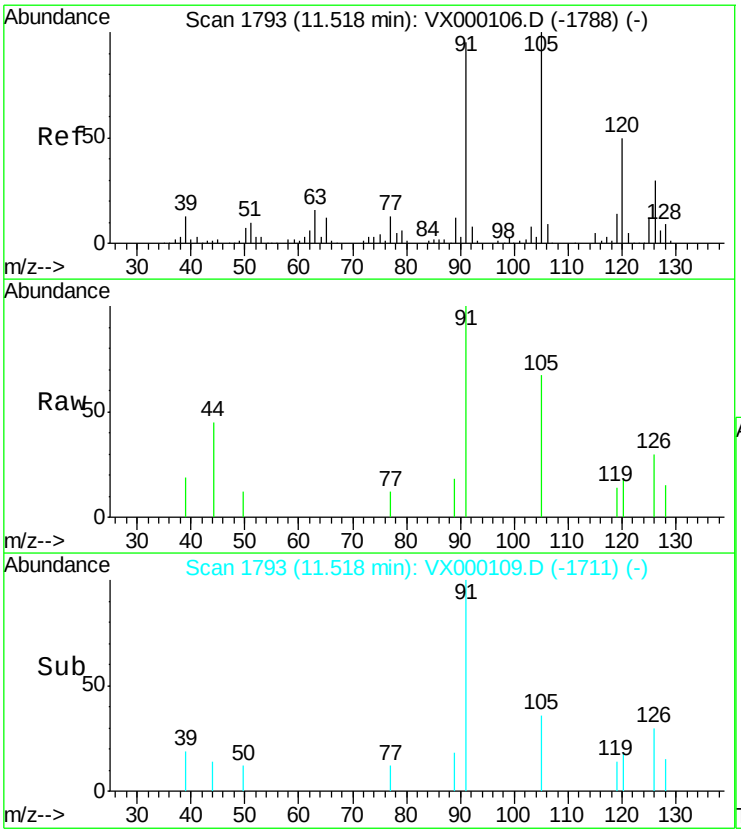
#77
t-1,4-Dichloro-2-butene
Concen: 38.27 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion: 75 Resp: 15488

Ion	Ratio	Lower	Upper
75	100		
53	0.0	47.8	143.3#
89	0.0	22.3	66.8#

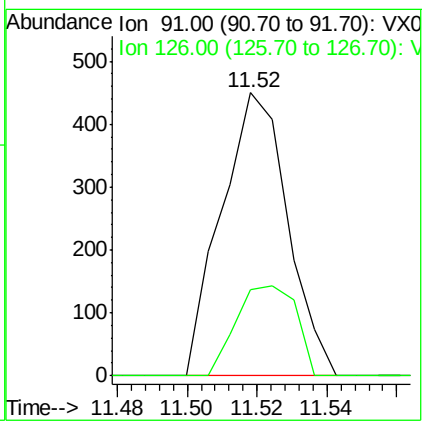


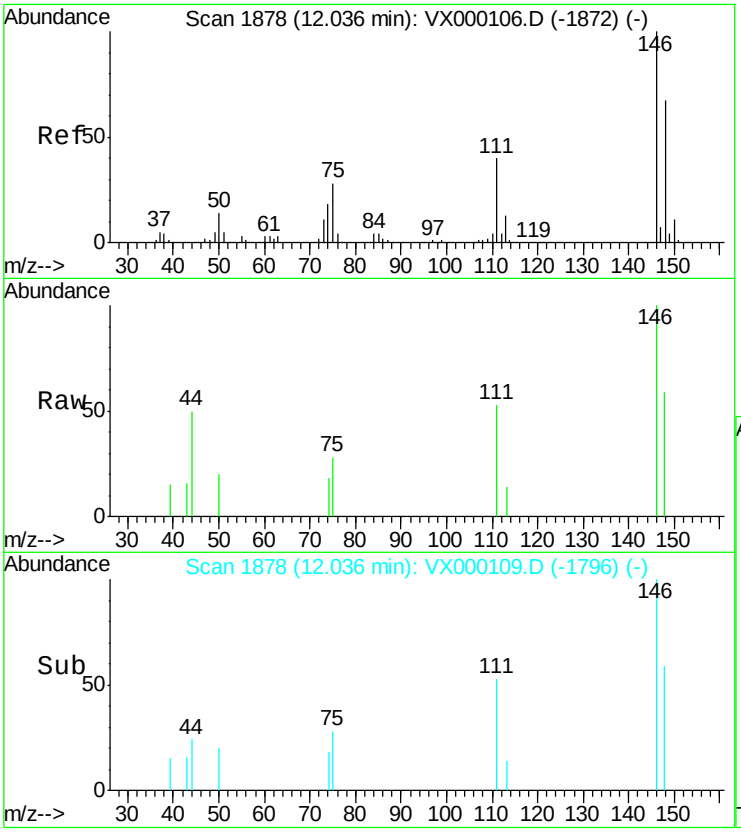


#78
4-Chlorotoluene
Concen: 0.20 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion: 91 Resp: 591

Ion	Ratio	Lower	Upper
91	100		
126	28.8	0.0	63.4



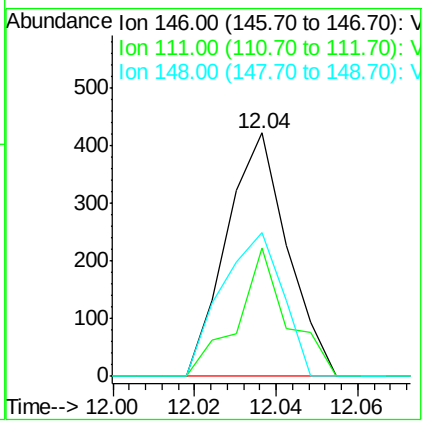


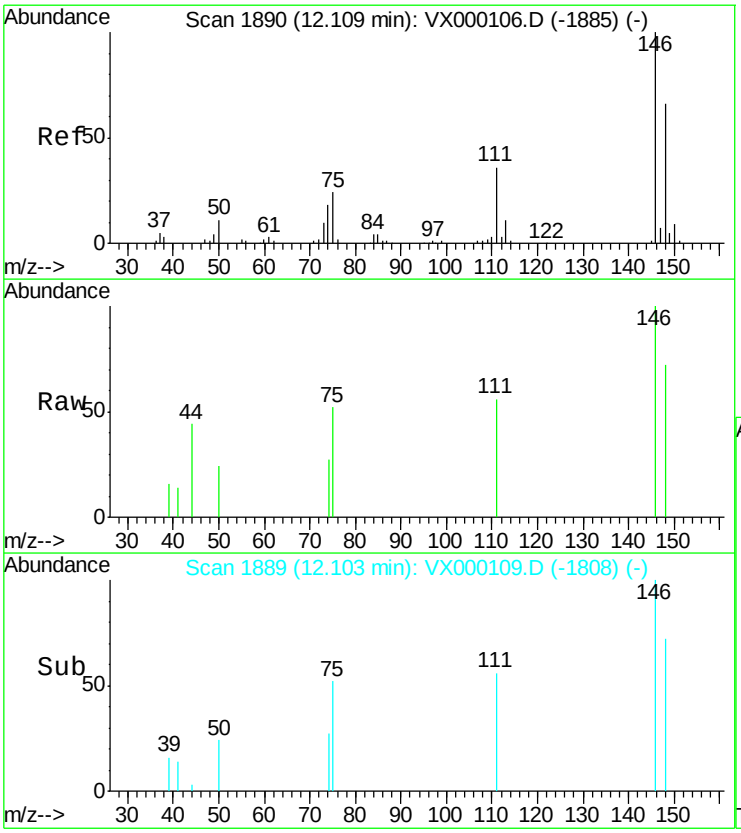
#83
1,3-Dichlorobenzene
Concen: 0.24 ug/l
RT: 12.04 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument : MSVOA_X
ClientSampleId : I.BLK

Tgt Ion:146 Resp: 438

Ion	Ratio	Lower	Upper
146	100		
111	42.9	19.4	58.2
148	58.9	32.6	97.7

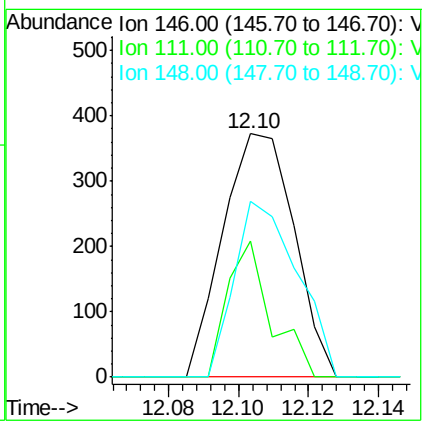


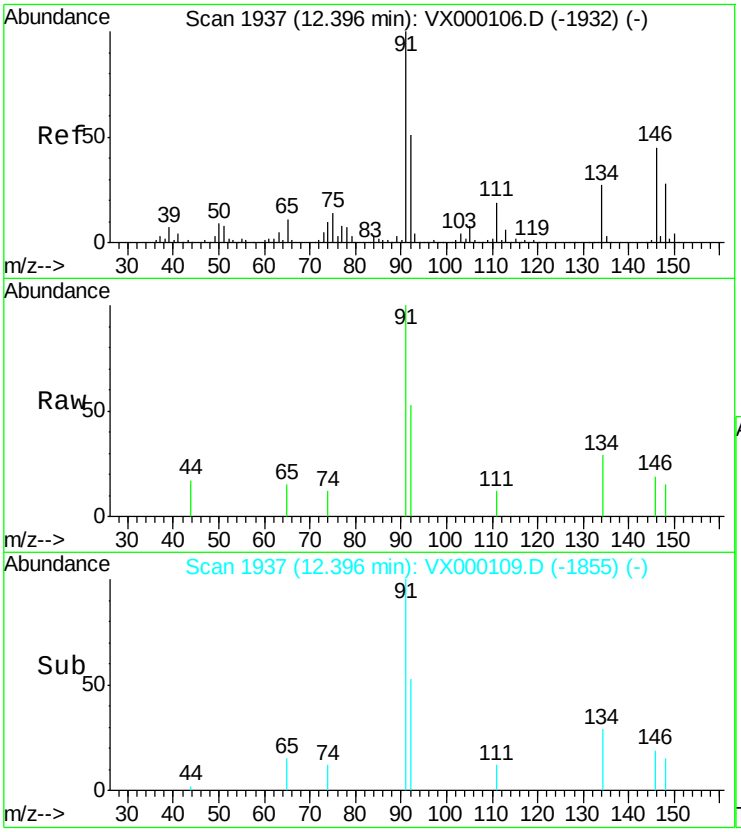


#84
1,4-Dichlorobenzene
Concen: 0.28 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. -0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion:146 Resp: 528

Ion	Ratio	Lower	Upper
146	100		
111	34.3	18.4	55.0
148	64.0	31.9	95.7



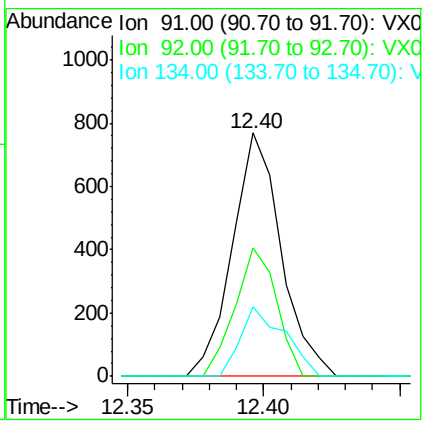


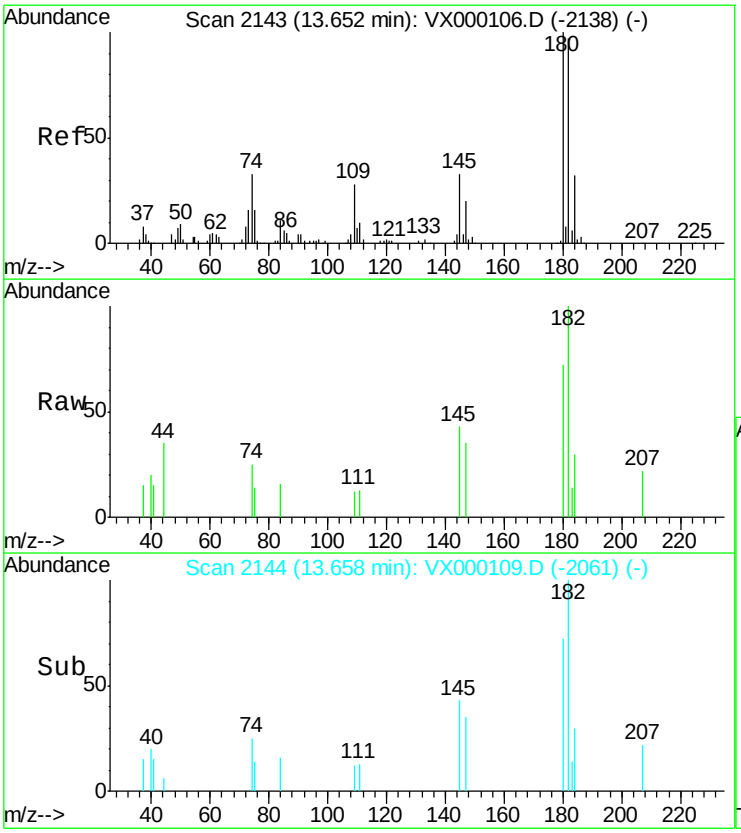
#85
n-Butylbenzene
Concen: 0.30 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument : MSVOA_X
ClientSampleId : I.BLK

Tgt Ion: 91 Resp: 957

Ion	Ratio	Lower	Upper
91	100		
92	44.8	0.0	102.0
134	25.8	0.0	54.2

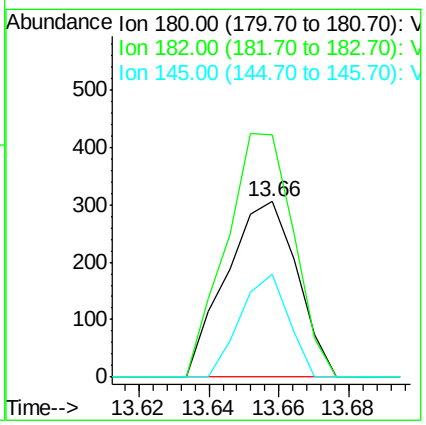


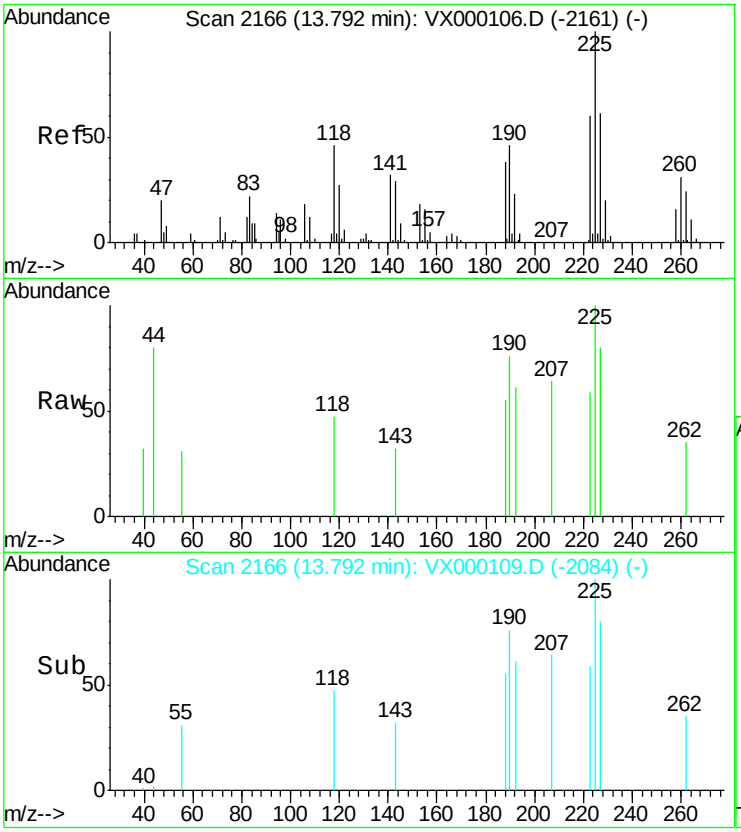


#89
1,2,4-Trichlorobenzene
Concen: 0.33 ug/l
RT: 13.66 min Scan# 2144
Delta R.T. 0.01 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion:180 Resp: 429

Ion	Ratio	Lower	Upper
180	100		
182	132.2	76.3	114.5#
145	39.9	24.6	37.0#



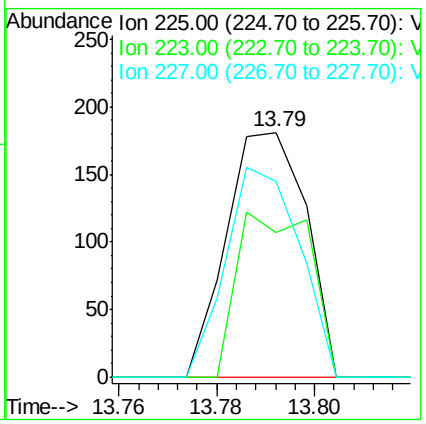


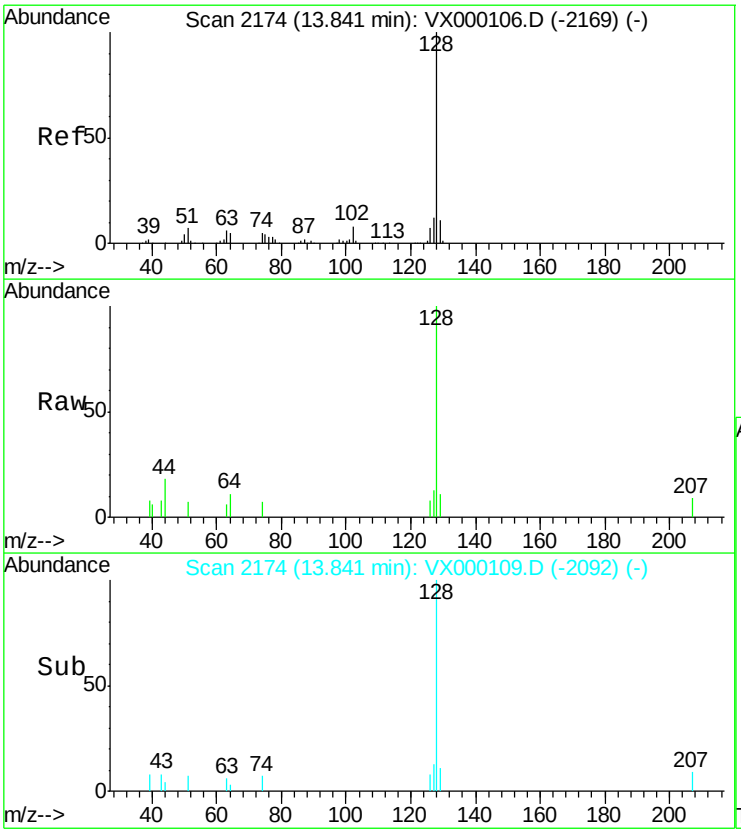
#90
Hexachlorobutadiene
Concen: 0.37 ug/l
RT: 13.79 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion:225 Resp: 204

Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	131.2
227	79.4	0.0	127.6

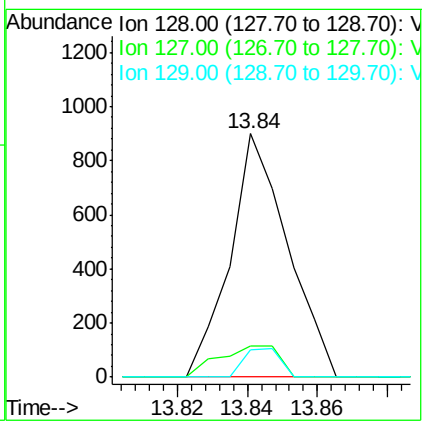


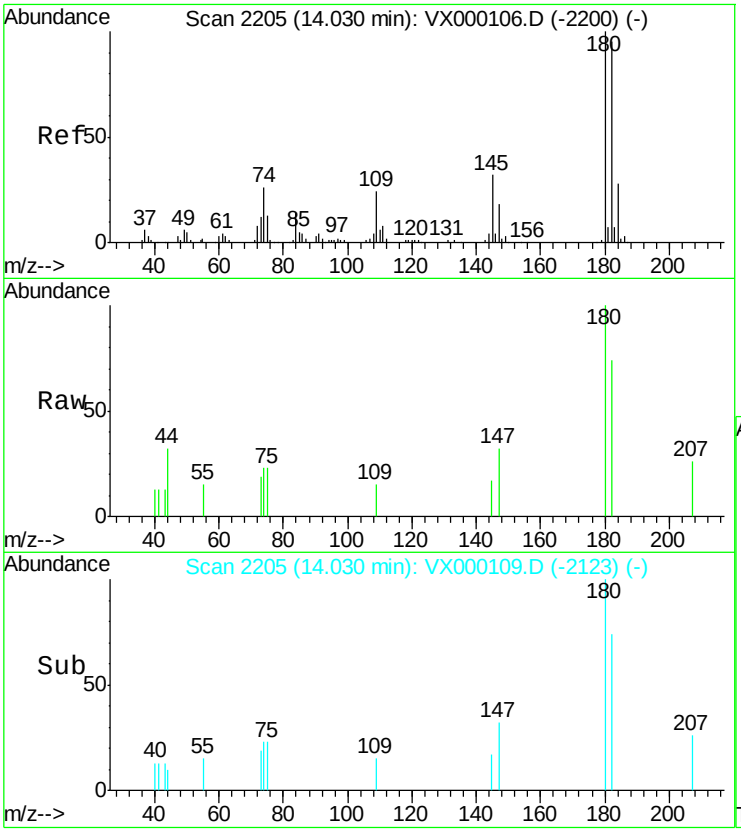


#91
Naphthalene
Concen: 0.22 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Tgt Ion:128 Resp: 1029

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	7.5	9.0	13.6#





#92
1,2,3-Trichlorobenzene
Concen: 0.33 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000109.D
Acq: 20 Feb 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion:180 Resp: 438

Ion	Ratio	Lower	Upper
180	100		
182	100.7	0.0	188.6
145	20.5	0.0	65.8