Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072419\
Data File : VX011061.D
Acq On : 24 Jul 2019 16:49
Operator : JC/SP
Sample : K3991-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Jul 25 03:23:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:27:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.02	128	32953	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.86	114	182358	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	159428	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.06	65	66287	29.67	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 98.90%				
60) 4-Bromofluorobenzene	11.13	95	73237	27.91	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.03%				
63) Toluene-d8	8.71	98	211042	30.12	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.40%				
Target Compounds							Qvalue
3) Chloromethane	1.33	50	440	0.230	ug/l	#	77
5) Bromomethane	1.65	94	427	0.388	ug/l		97
11) Methyl Iodide	2.51	142	980	0.396	ug/l		93
13) Acrolein	2.28	56	235	0.757	ug/l		93
15) Acetone	2.60	58	168	0.596	ug/l		82
16) Carbon Disulfide	2.57	76	1190	0.251	ug/l		99
22) cis-1,2-Dichloroethene	4.59	96	10010	4.471	ug/l		93
23) tert-Butyl Alcohol	3.04	59	2497	4.721	ug/l	#	99
25) Chloroform	5.21	83	1389	0.391	ug/l		86
45) 1,4-Dioxane	7.79	88	39	0.692	ug/l	#	1
56) Bromoform	11.13	173	850	0.511	ug/l	#	1
58) 4-Methyl-2-Pentanone	8.64	43	683	0.254	ug/l	#	93
66) Ethyl Benzene	10.25	91	3833	0.402	ug/l		97
67) m/p-Xylenes	10.35	106	6496	1.781	ug/l		95
68) o-Xylene	10.70	106	3417	0.956	ug/l		91
74) n-propylbenzene	11.36	91	3565	0.333	ug/l		92
75) 2-Chlorotoluene	11.43	91	2808	0.440	ug/l		46
76) 1,3,5-Trimethylbenzene	11.51	105	7372	0.915	ug/l		97
80) 1,2,4-Trimethylbenzene	11.80	105	29175	3.596	ug/l		98
85) n-Butylbenzene	12.75	91	1633	0.224	ug/l		60
86) Hexachloroethane	12.61	117	561	0.416	ug/l	#	7
89) 1,2,4-Trichlorobenzene	13.64	180	900	0.294	ug/l	#	78
90) Hexachlorobutadiene	13.78	225	353	0.238	ug/l		94
91) Naphthalene	13.83	128	15224	1.630	ug/l		97
92) 1,2,3-Trichlorobenzene	14.02	180	963	0.314	ug/l	#	49

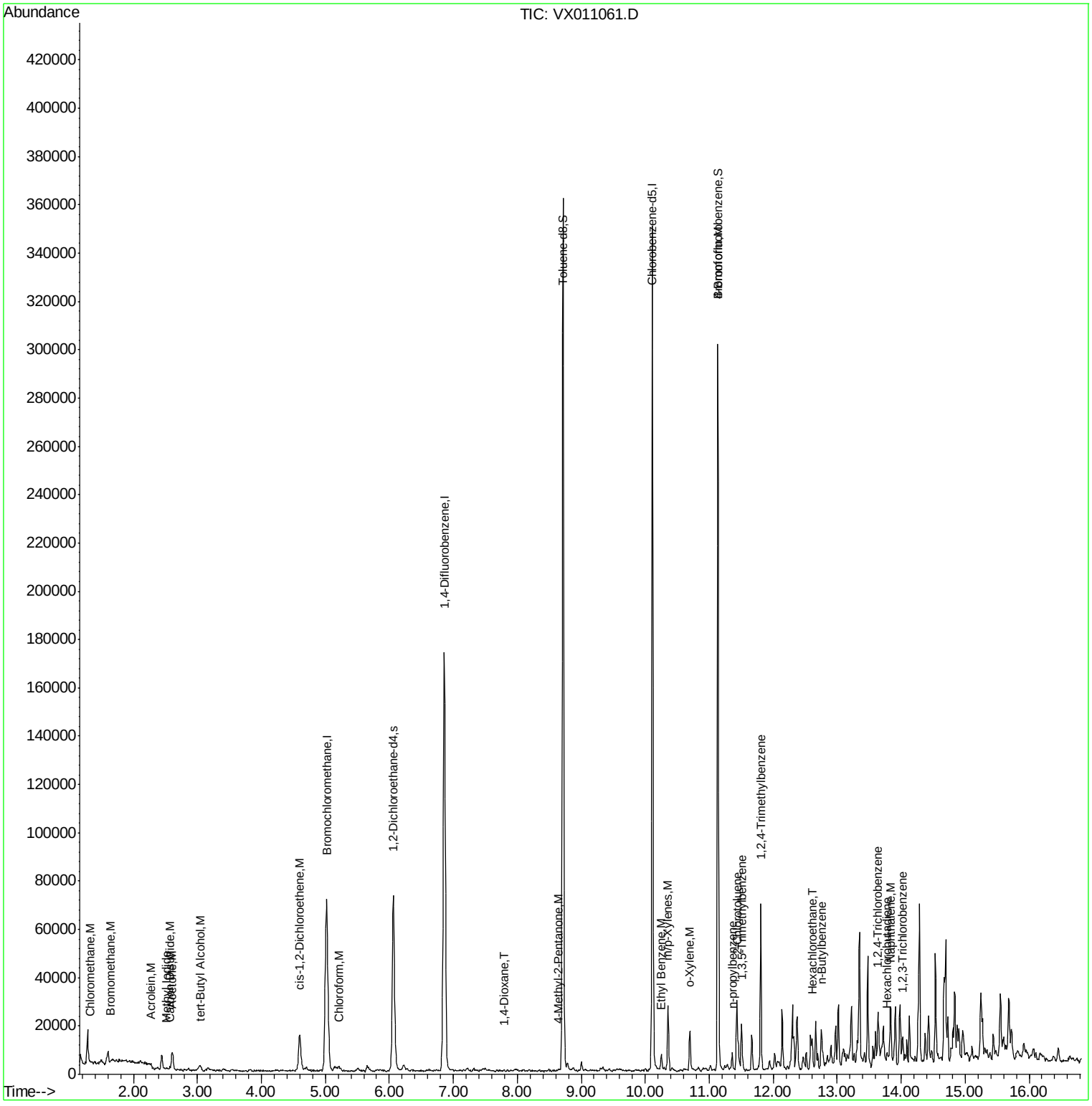
(#) = qualifier out of range (m) = manual integration (+) = signals summed

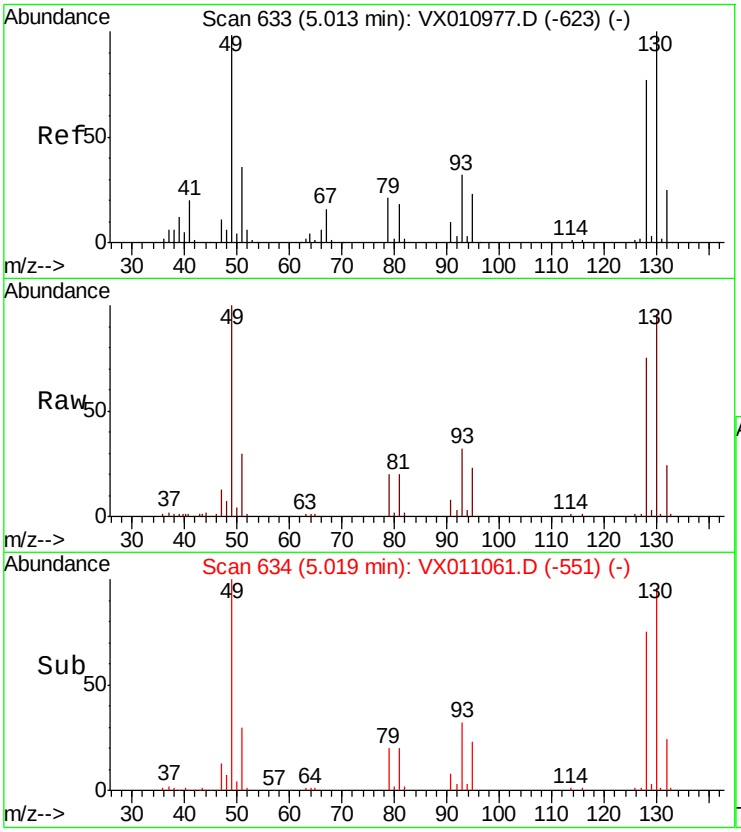
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072419\
Data File : VX011061.D
Acq On : 24 Jul 2019 16:49
Operator : JC/SP
Sample : K3991-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 25 03:23:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:27:28 2019
Response via : Initial Calibration



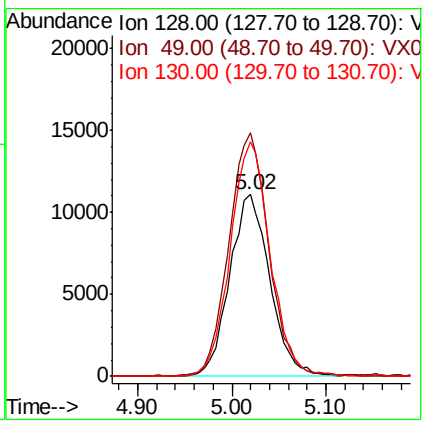


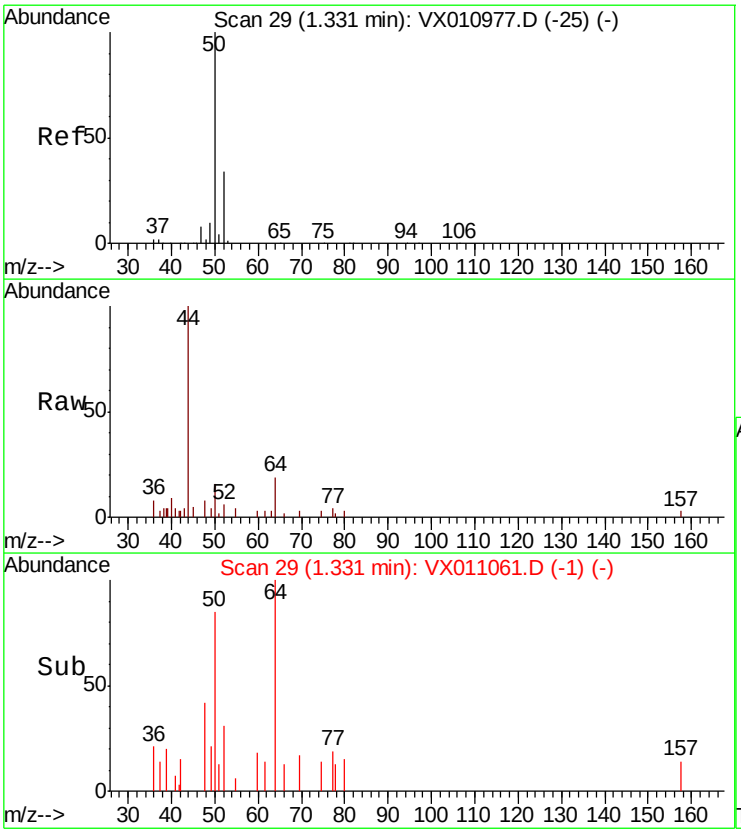
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 32953

Ion	Ratio	Lower	Upper
128	100		
49	133.7	0.0	343.5
130	128.1	0.0	324.7

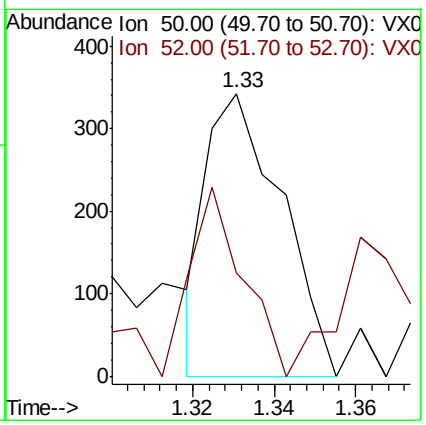


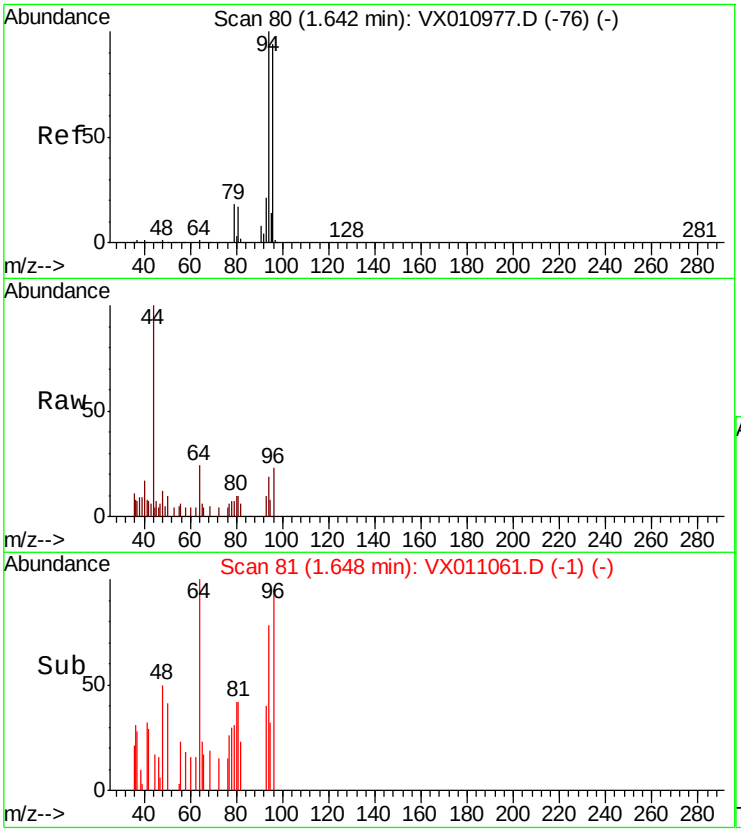


#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 50 Resp: 440

Ion	Ratio	Lower	Upper
50	100		
52	20.7	27.3	40.9#



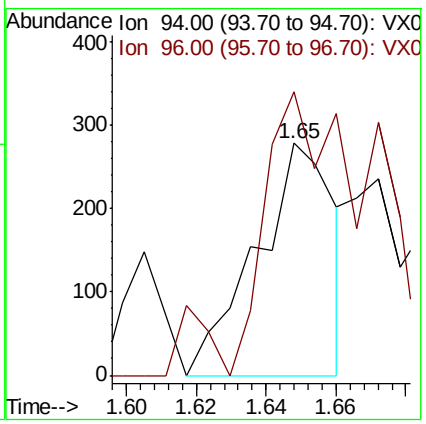


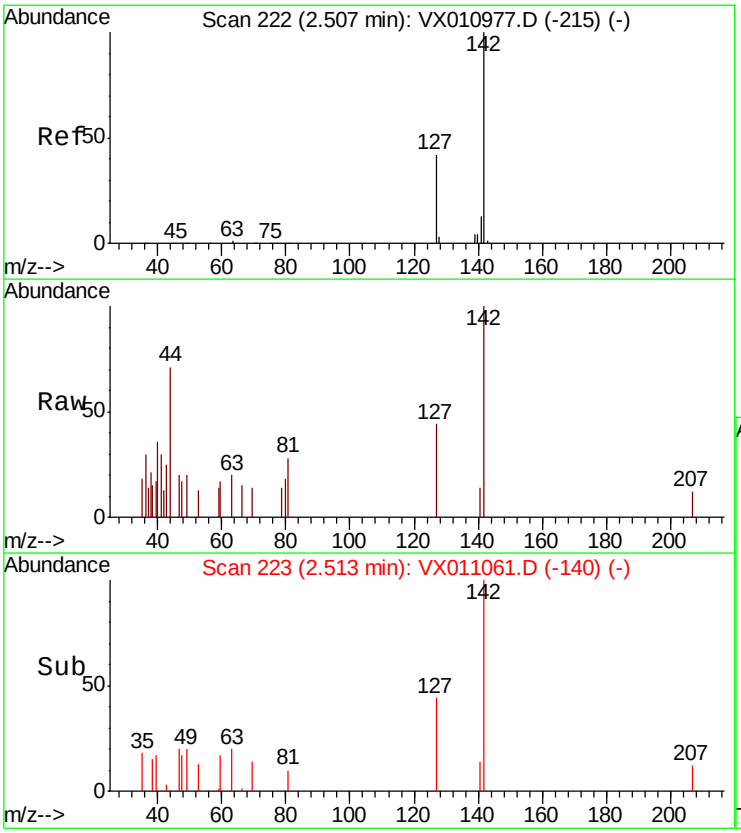
#5
Bromomethane
Concen: 0.388 ug/l
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 94 Resp: 427

Ion	Ratio	Lower	Upper
94	100		
96	91.7	75.4	113.2

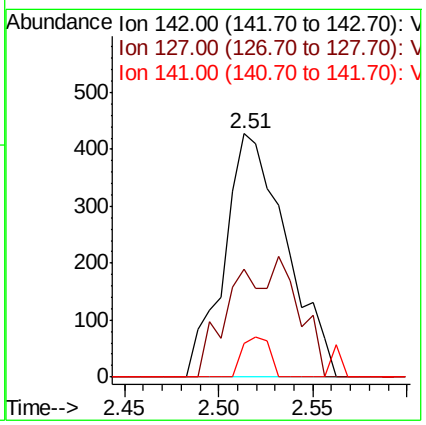


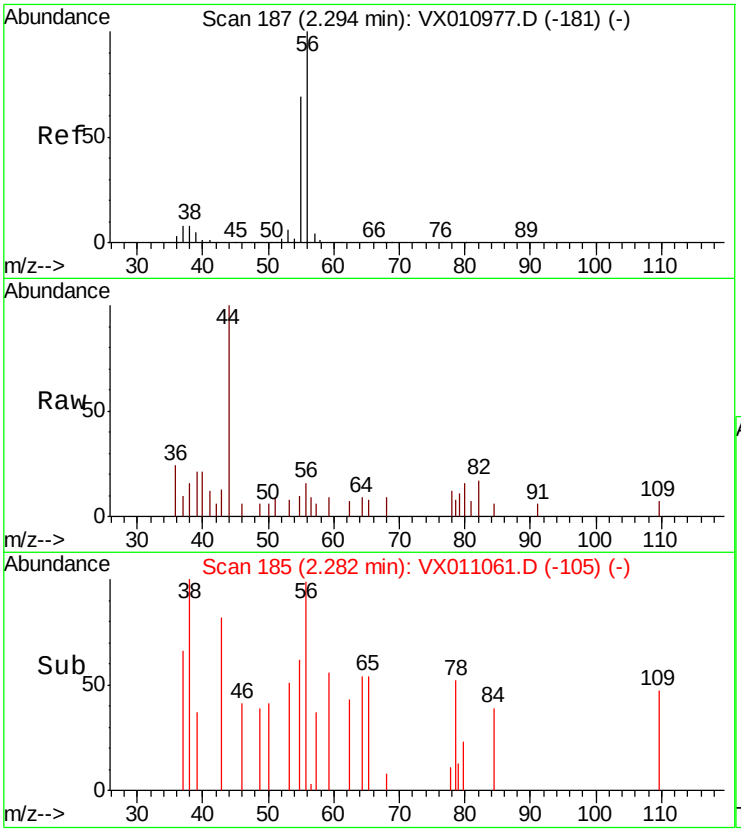


#11
Methyl Iodide
Concen: 0.396 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:142 Resp: 980

Ion	Ratio	Lower	Upper
142	100		
127	44.4	20.7	62.1
141	7.2	6.7	20.0



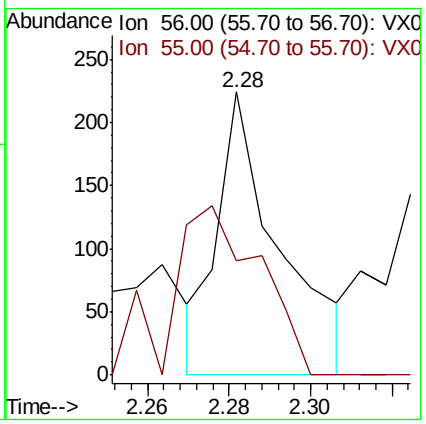


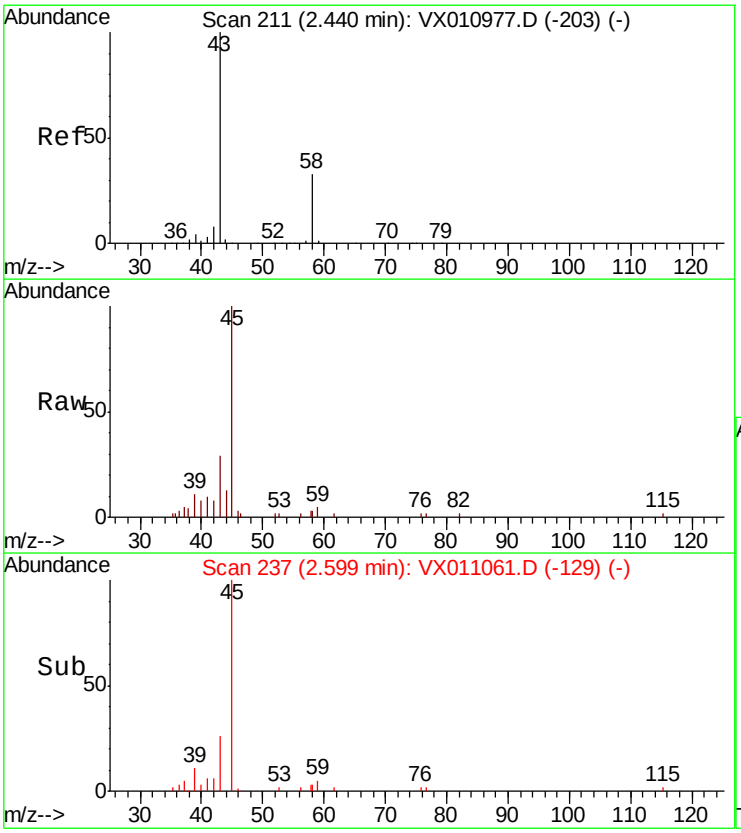
#13
Acrolein
Concen: 0.757 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 56 Resp: 235

Ion	Ratio	Lower	Upper
56	100		
55	76.2	56.1	84.1

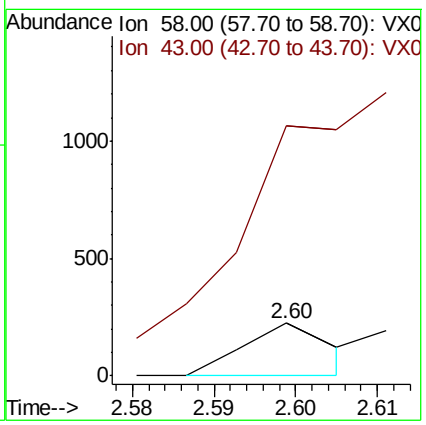


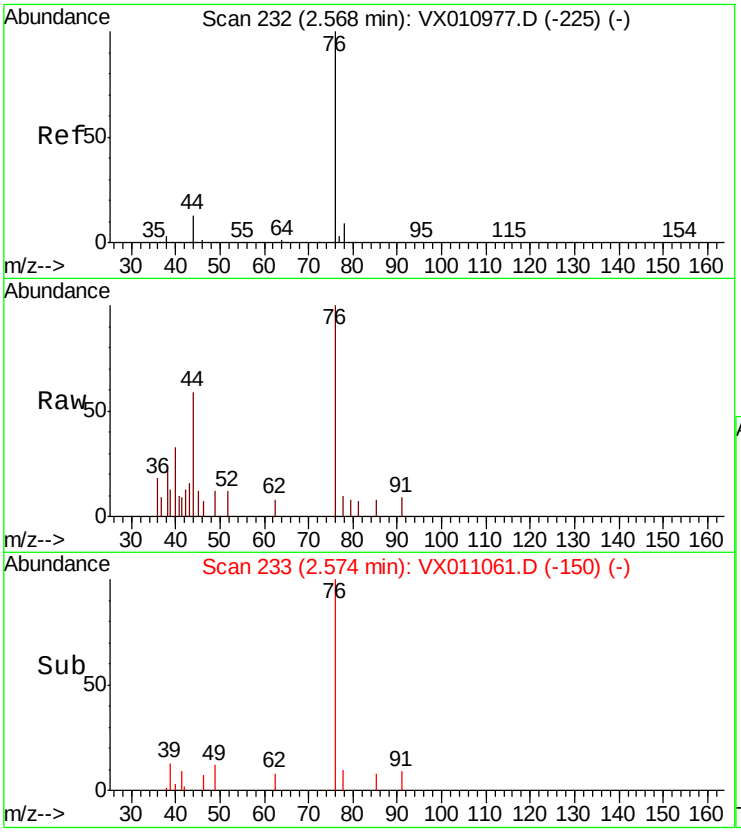


#15
Acetone
Concen: 0.596 ug/l
RT: 2.60 min Scan# 237
Delta R.T. 0.16 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 58 Resp: 168

Ion	Ratio	Lower	Upper
58	100		
43	339.9	243.8	365.6



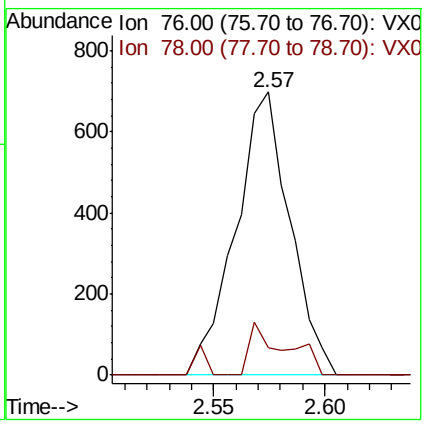


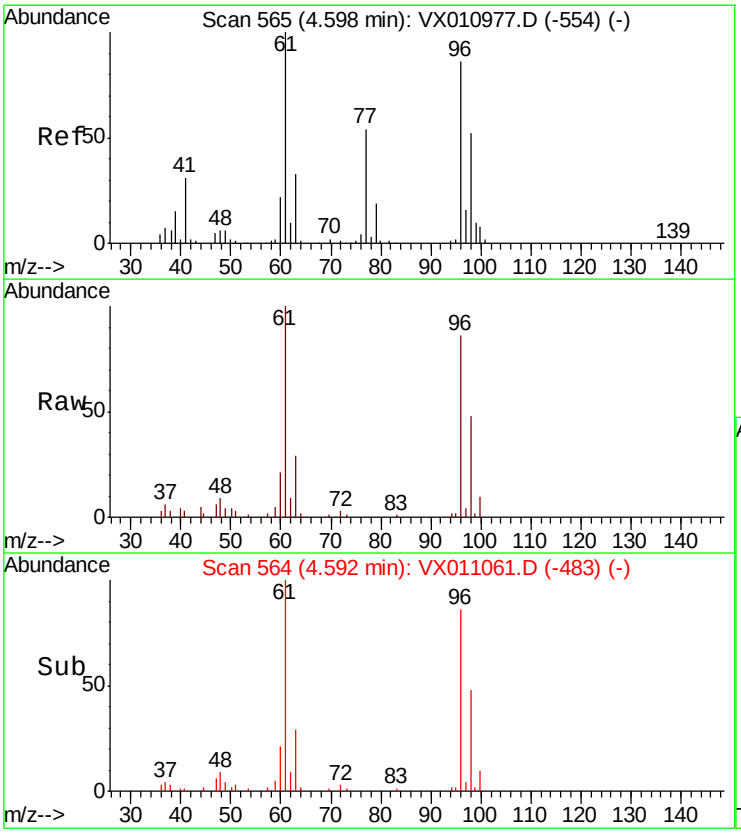
#16
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 76 Resp: 1190

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

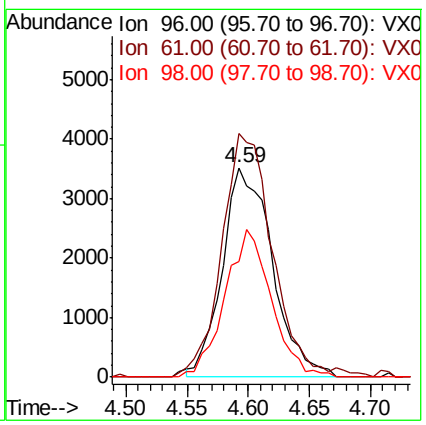


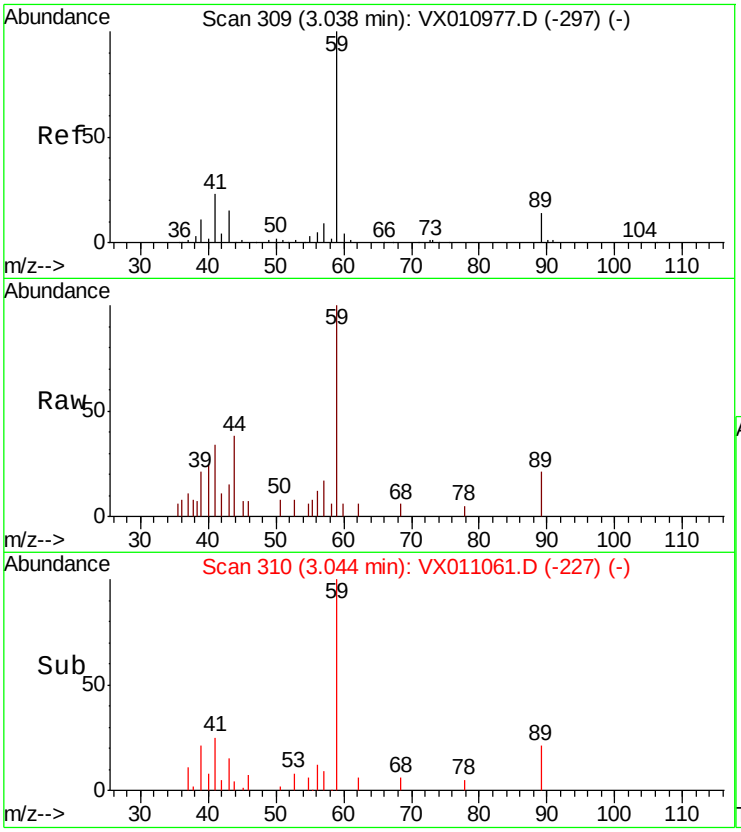


#22
cis-1,2-Dichloroethene
Concen: 4.471 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 96 Resp: 10010

Ion	Ratio	Lower	Upper
96	100		
61	116.8	102.9	154.3
98	64.3	50.9	76.3



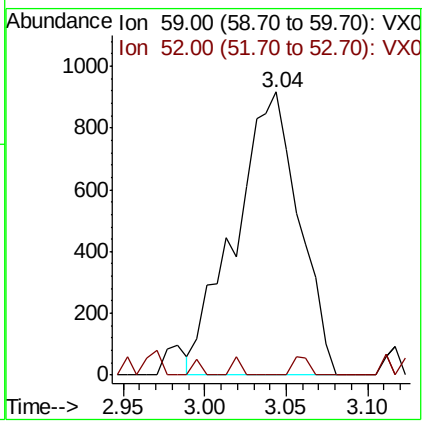


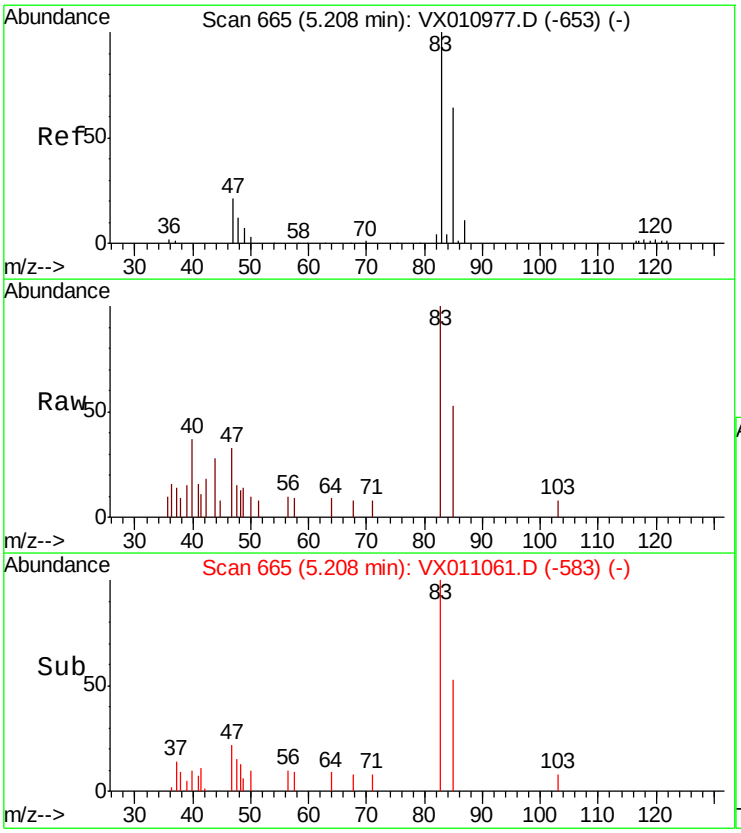
#23
tert-Butyl Alcohol
Concen: 4.721 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 59 Resp: 2497

Ion	Ratio	Lower	Upper
59	100		
52	1.7	0.2	0.4#

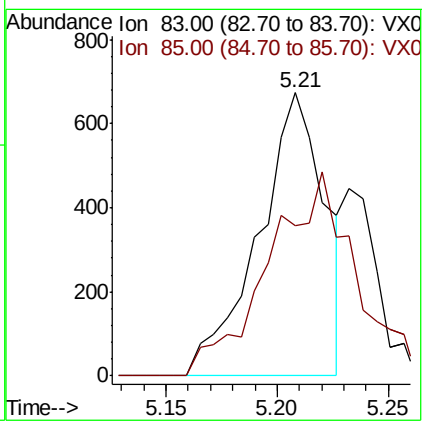


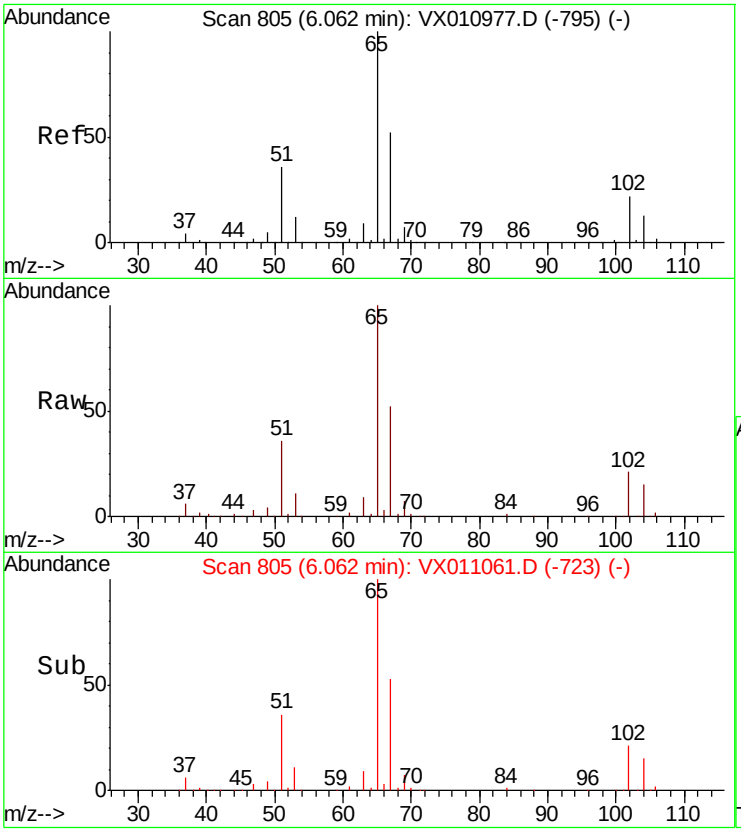


#25
Chloroform
Concen: 0.391 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 83 Resp: 1389

Ion	Ratio	Lower	Upper
83	100		
85	53.0	50.9	76.3



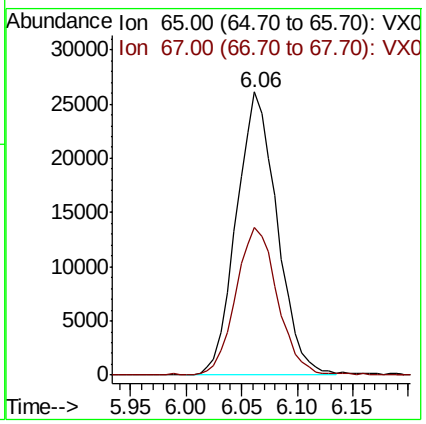


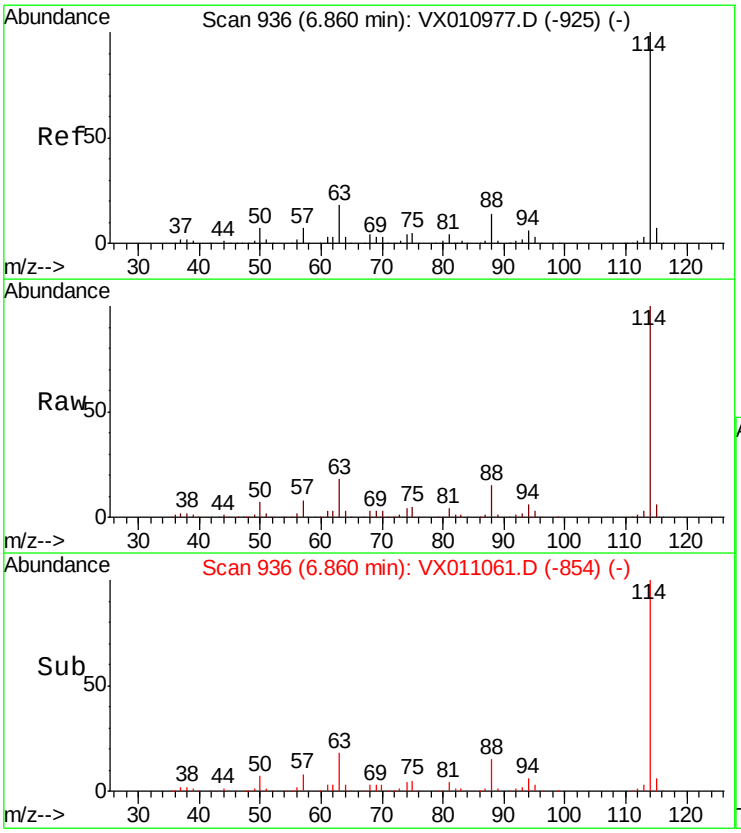
#27
1,2-Dichloroethane-d4
Concen: 29.671 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 66287

Ion	Ratio	Lower	Upper
65	100		
67	53.6	41.7	62.5

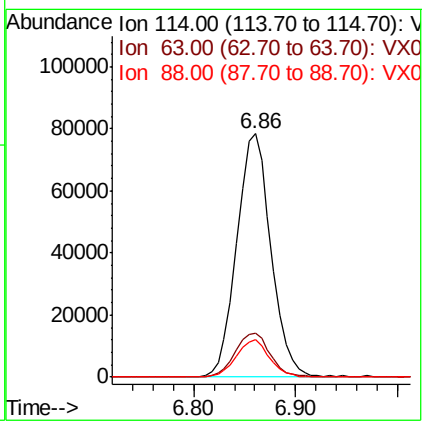


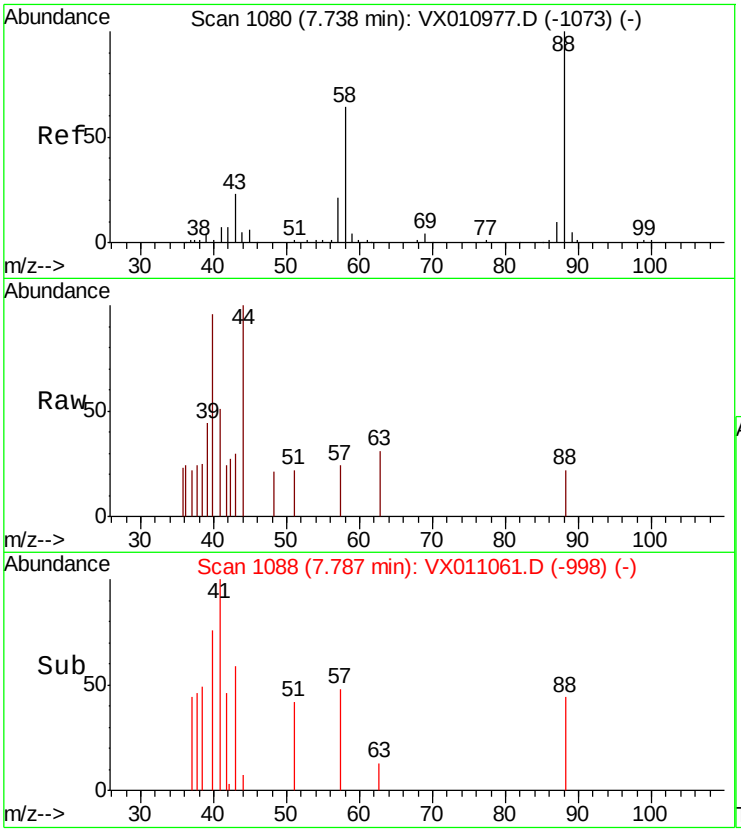


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:114 Resp: 182358

Ion	Ratio	Lower	Upper
114	100		
63	18.5	14.6	22.0
88	15.1	11.8	17.8



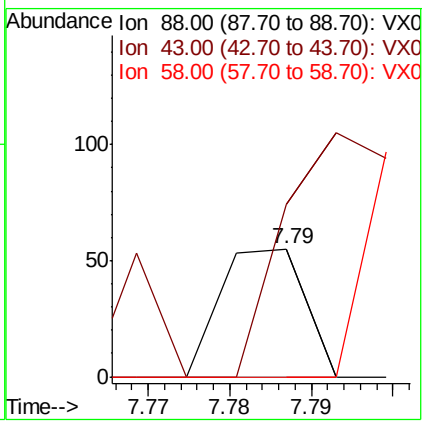


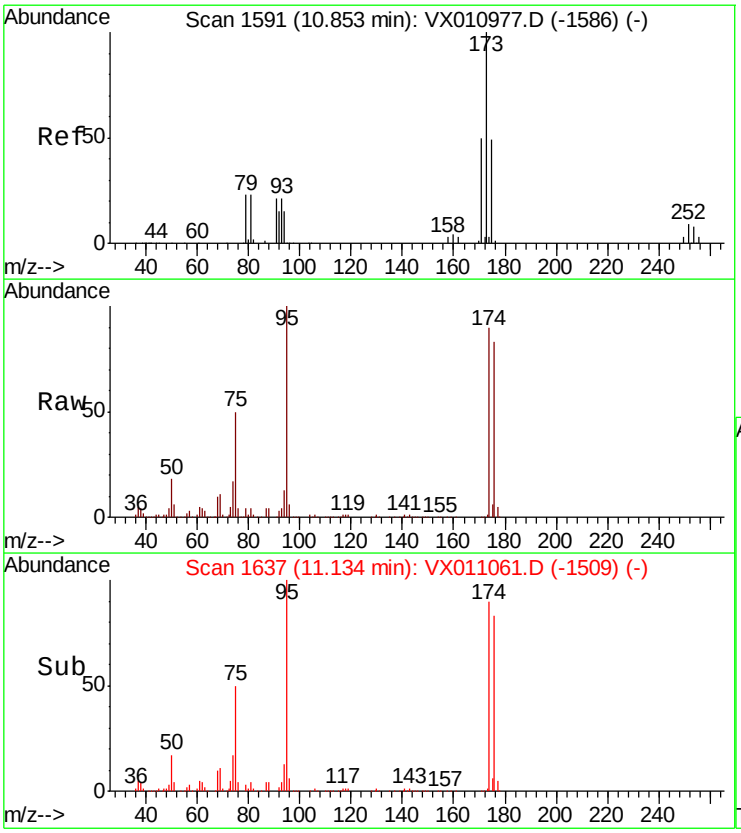
#45
1,4-Dioxane
Concen: 0.692 ug/l
RT: 7.79 min Scan# 1088
Delta R.T. 0.05 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 88 Resp: 39

Ion	Ratio	Lower	Upper
88	100		
43	307.7	21.6	32.4#
58	0.0	52.2	78.2#

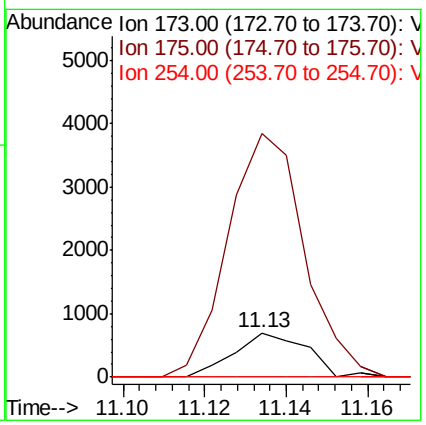


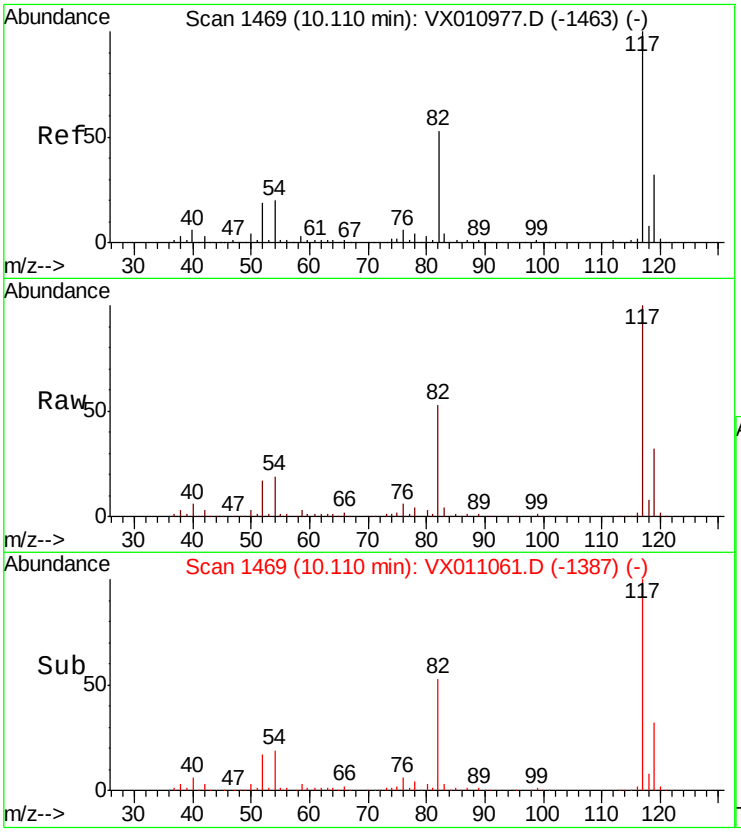


#56
Bromoform
Concen: 0.511 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.28 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:173 Resp: 850

Ion	Ratio	Lower	Upper
173	100		
175	590.2	39.0	58.6#
254	0.0	7.9	11.9#



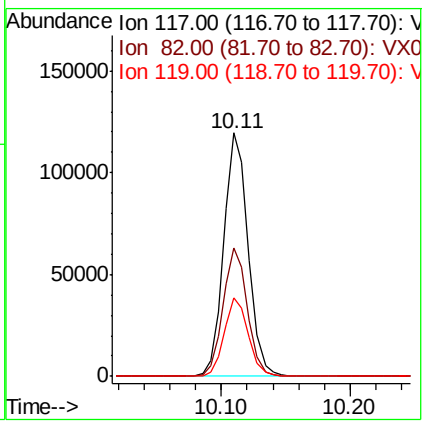


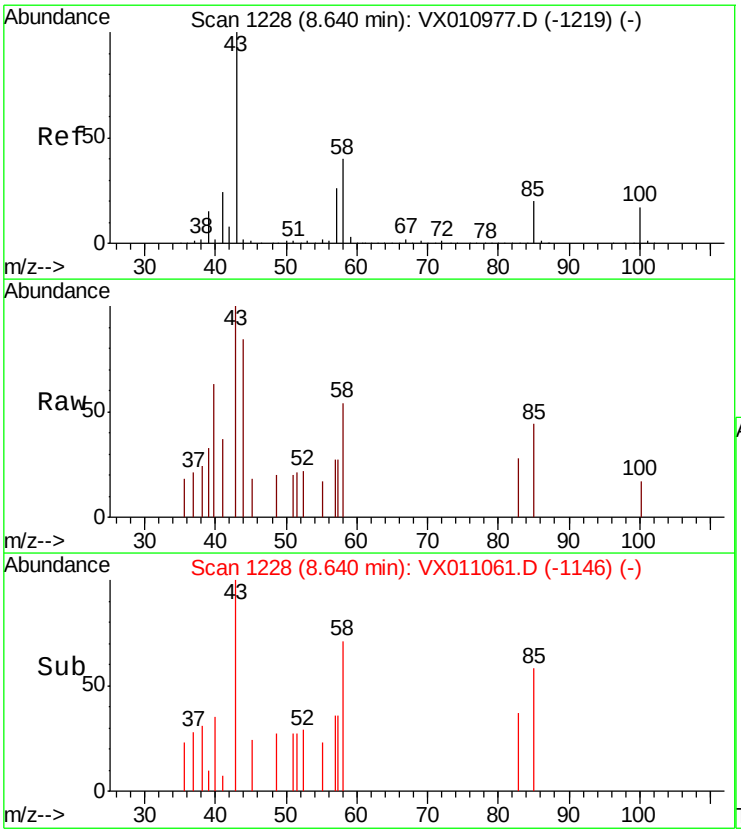
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 159428

Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.6	62.4
119	31.9	26.0	39.0

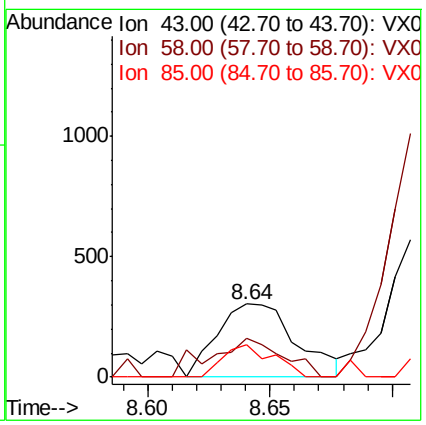


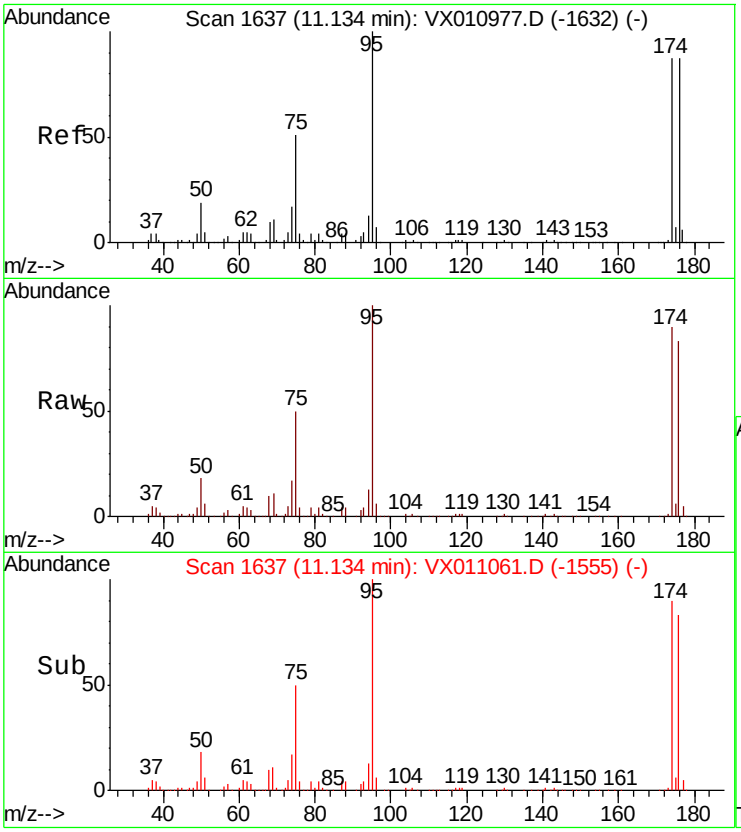


#58
4-Methyl-2-Pentanone
Concen: 0.254 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 43 Resp: 683

Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.6	48.8
85	27.8	15.8	23.6#



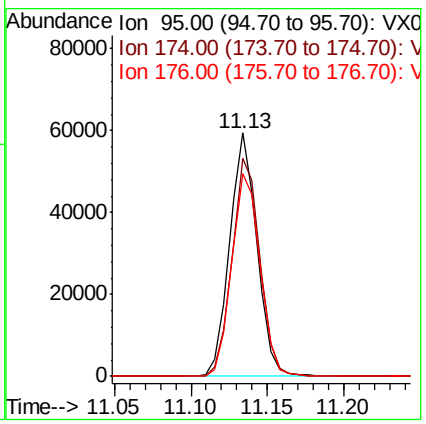


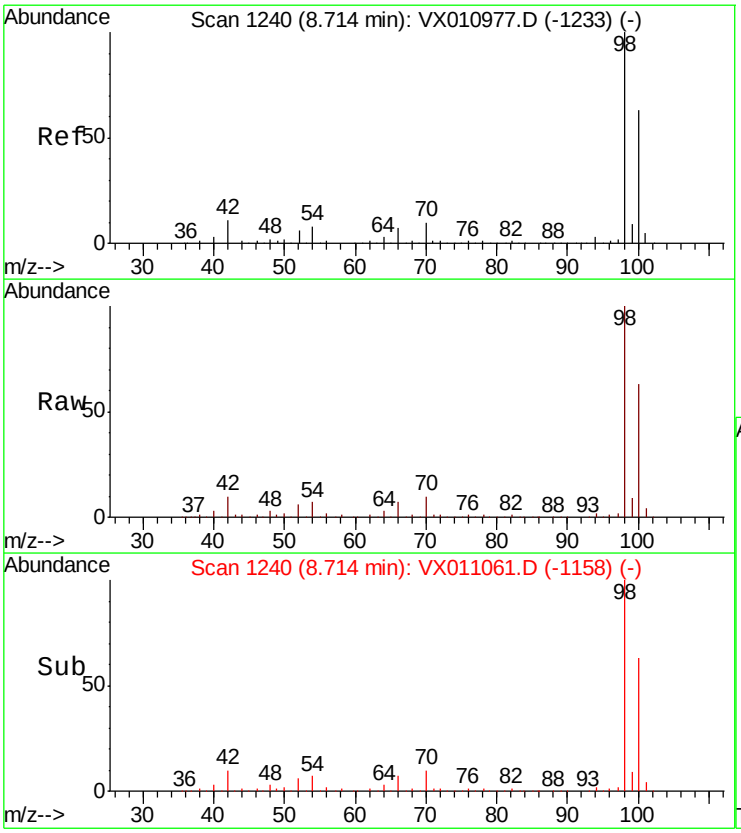
#60
4-Bromofluorobenzene
Concen: 27.910 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 95 Resp: 73237

Ion	Ratio	Lower	Upper
95	100		
174	91.7	73.3	109.9
176	86.6	71.2	106.8

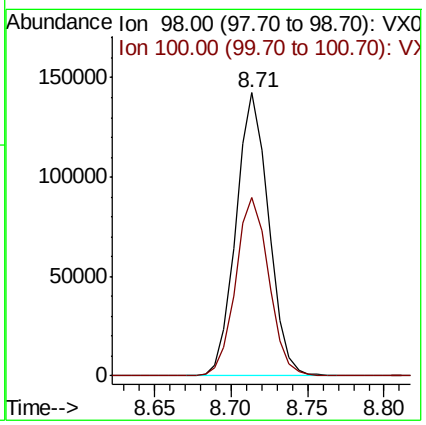


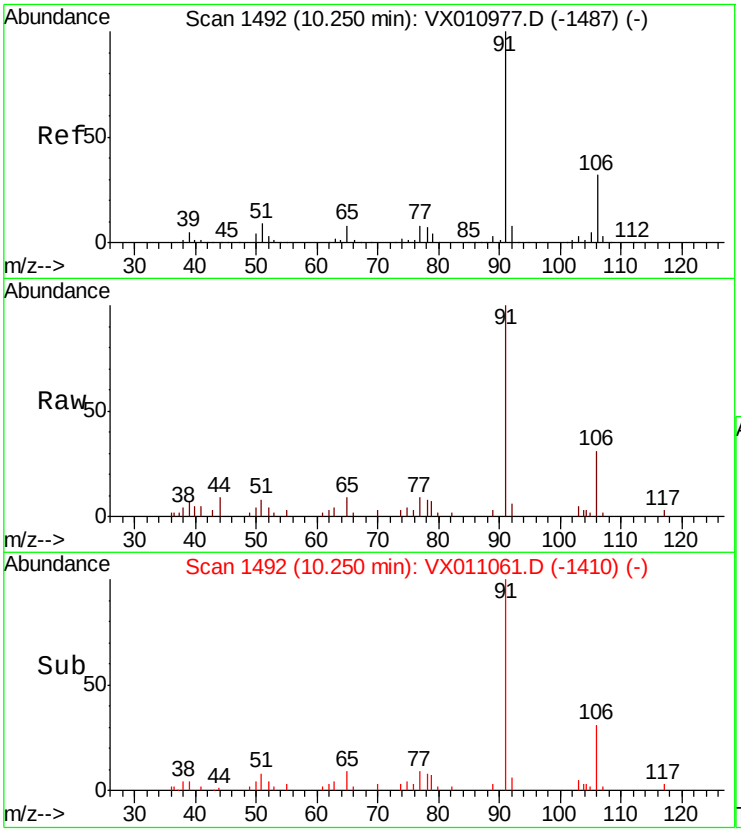


#63
Toluene-d8
Concen: 30.117 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 98 Resp: 211042

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0



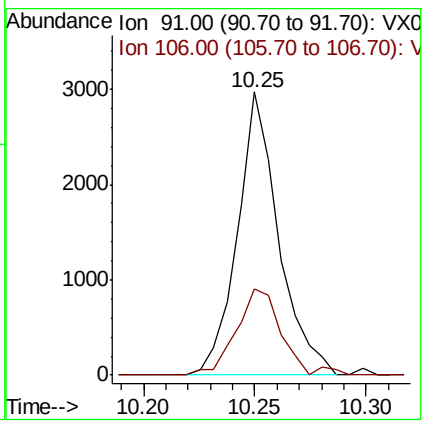


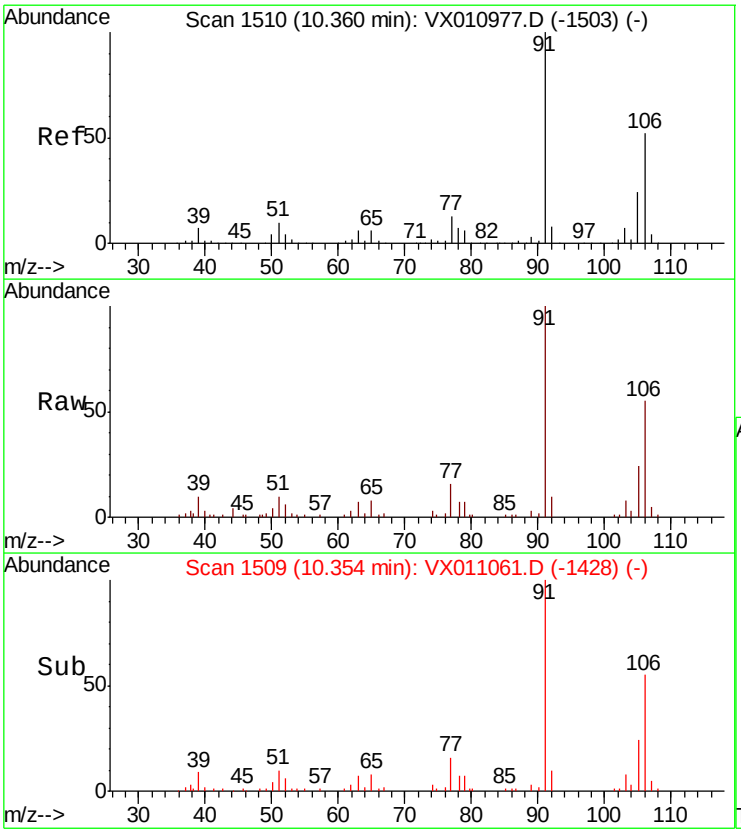
#66
Ethyl Benzene
Concen: 0.402 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 3833

Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.8	38.8

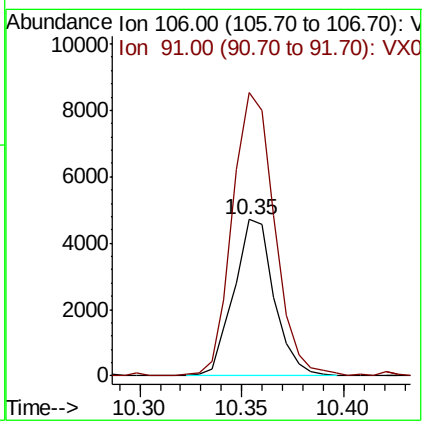


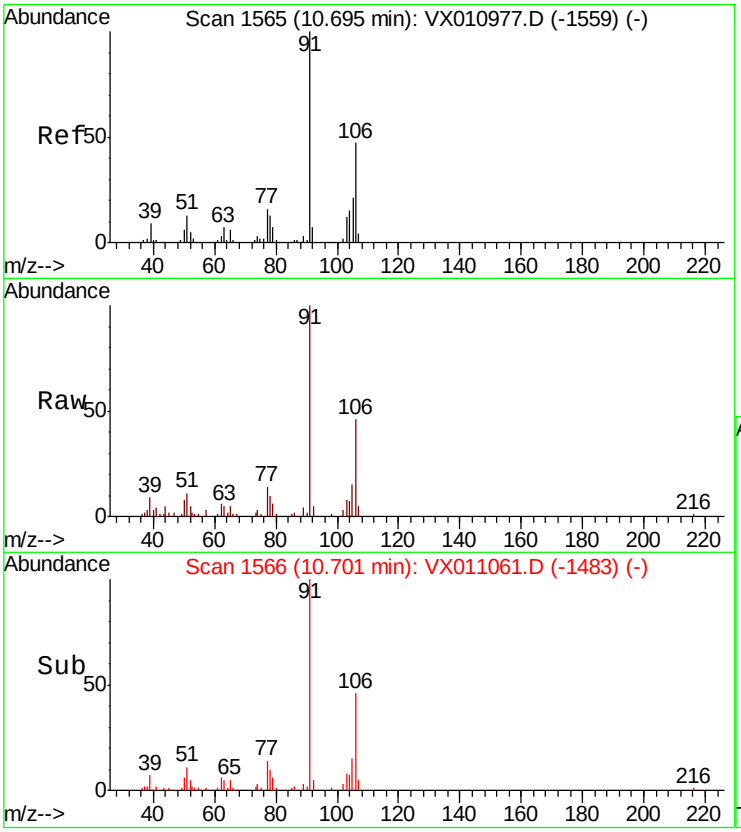


#67
m/p-Xylenes
Concen: 1.781 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:106 Resp: 6496

Ion	Ratio	Lower	Upper
106	100		
91	188.5	156.6	235.0



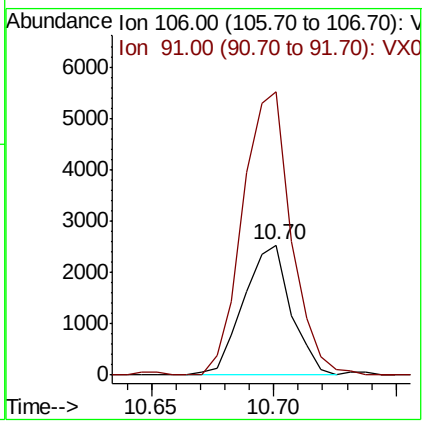


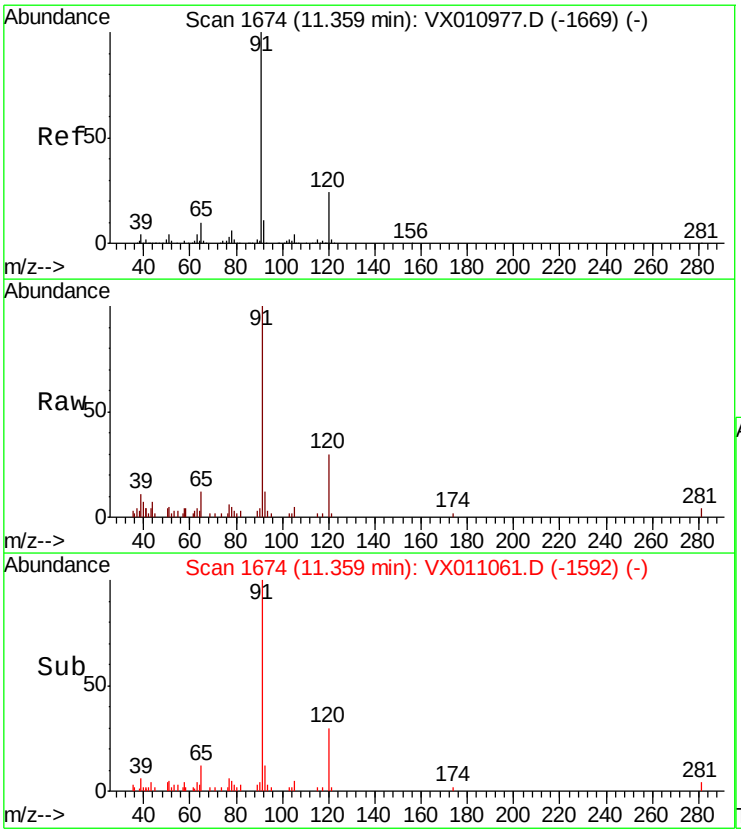
#68
o-Xylene
Concen: 0.956 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 3417

Ion	Ratio	Lower	Upper
106	100		
91	222.7	104.0	312.0

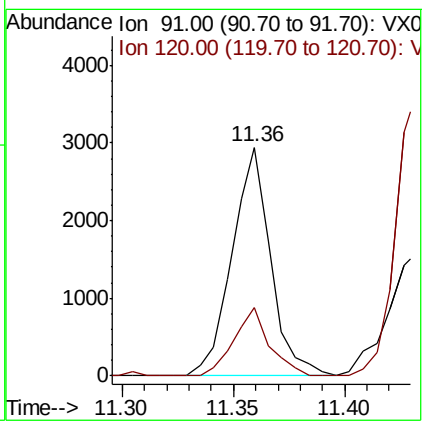


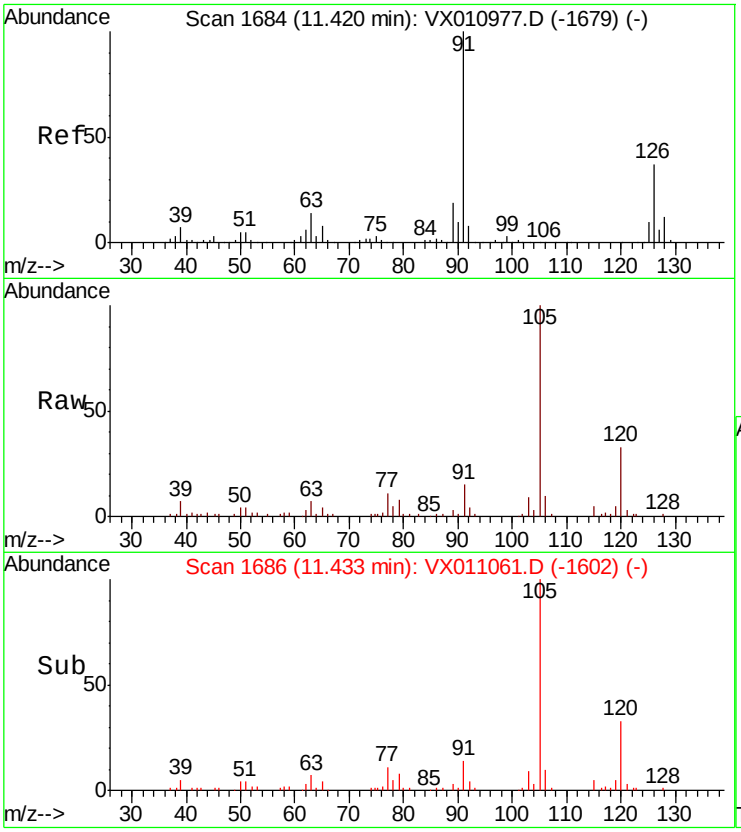


#74
n-propylbenzene
Concen: 0.333 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 91 Resp: 3565

Ion	Ratio	Lower	Upper
91	100		
120	27.5	0.0	47.6



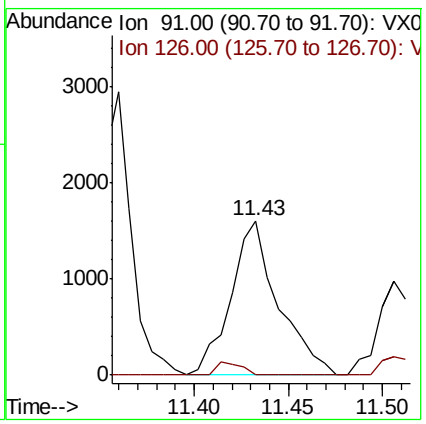


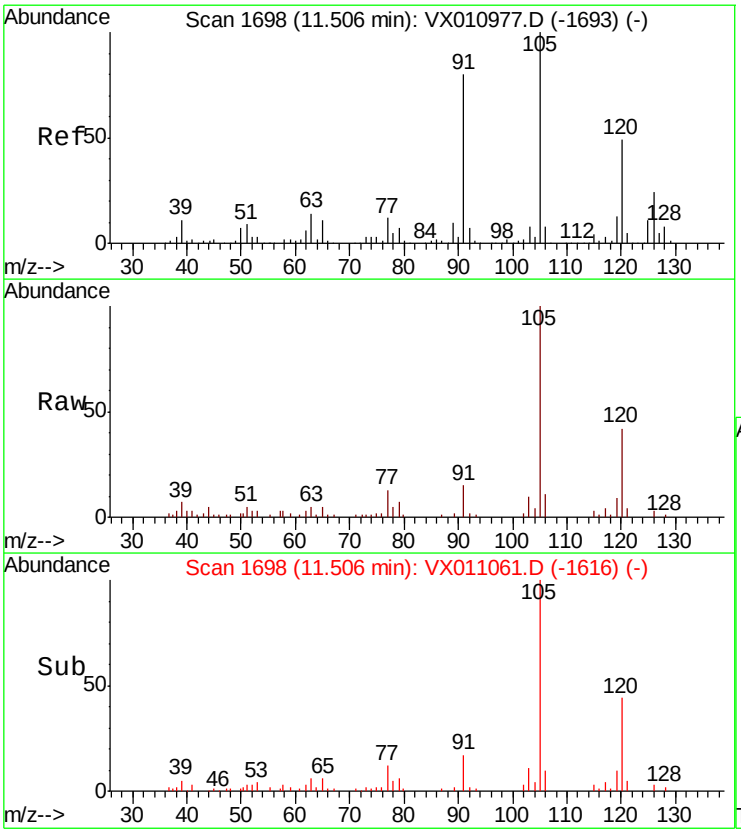
#75
2-Chlorotoluene
Concen: 0.440 ug/l
RT: 11.43 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 2808

Ion	Ratio	Lower	Upper
91	100		
126	4.2	0.0	72.4

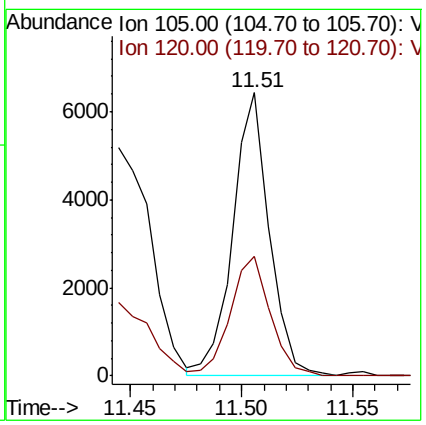


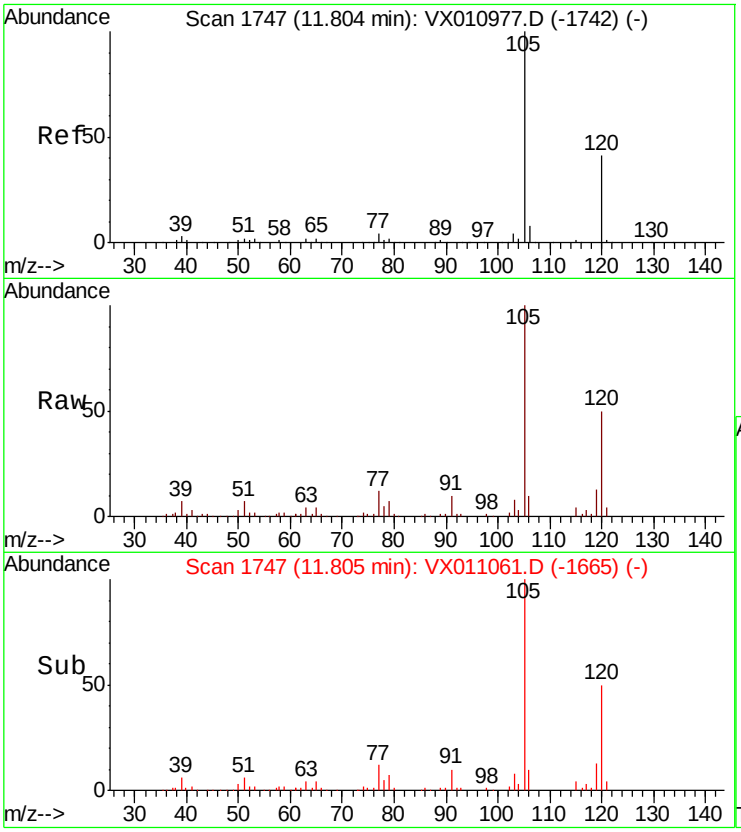


#76
1,3,5-Trimethylbenzene
Concen: 0.915 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:105 Resp: 7372

Ion	Ratio	Lower	Upper
105	100		
120	46.1	0.0	96.6



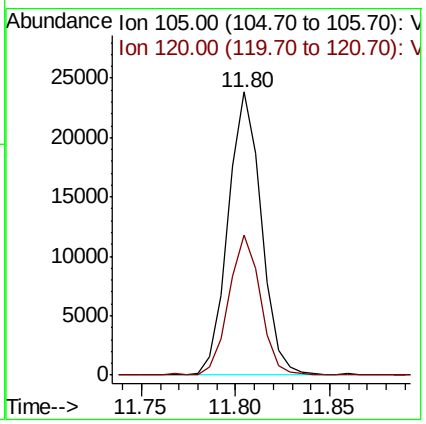


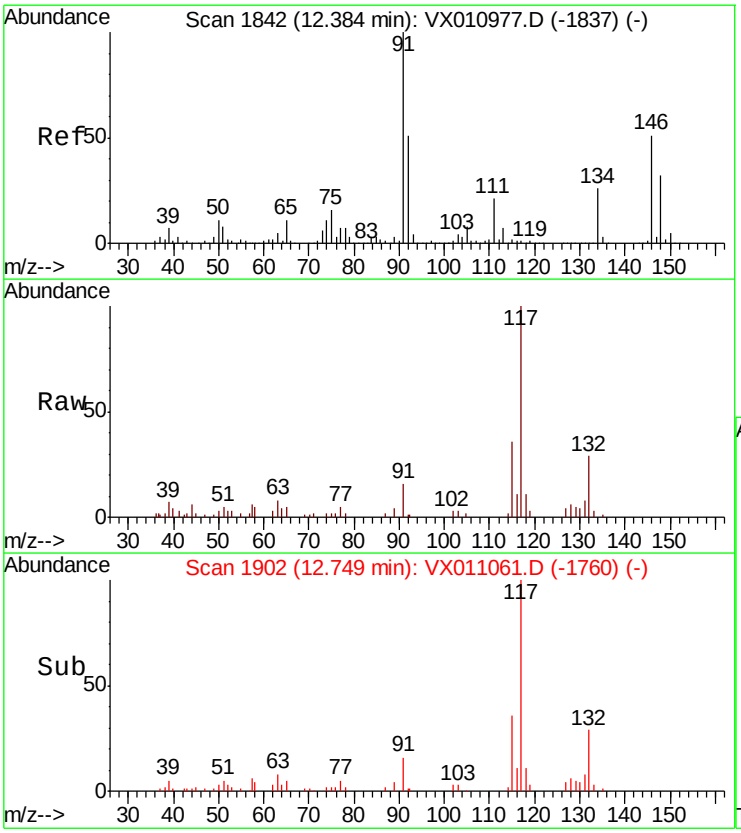
#80
1,2,4-Trimethylbenzene
Concen: 3.596 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 29175

Ion	Ratio	Lower	Upper
105	100		
120	47.1	0.0	91.6

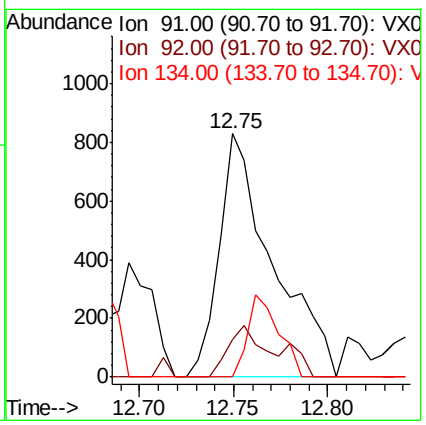


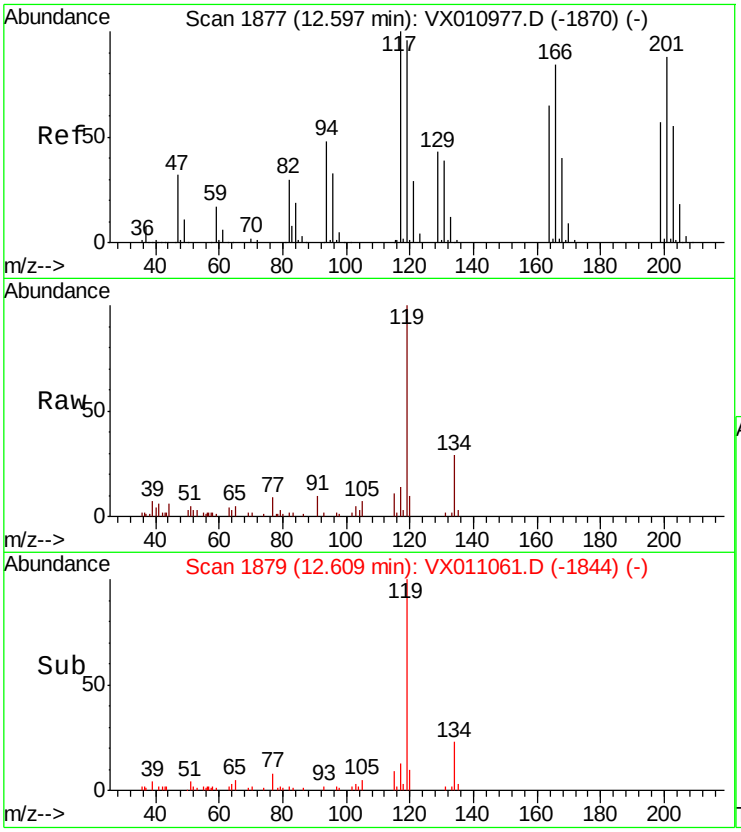


#85
n-Butylbenzene
Concen: 0.224 ug/l
RT: 12.75 min Scan# 1902
Delta R.T. 0.37 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion: 91 Resp: 1633

Ion	Ratio	Lower	Upper
91	100		
92	14.1	0.0	103.6
134	19.5	0.0	54.2



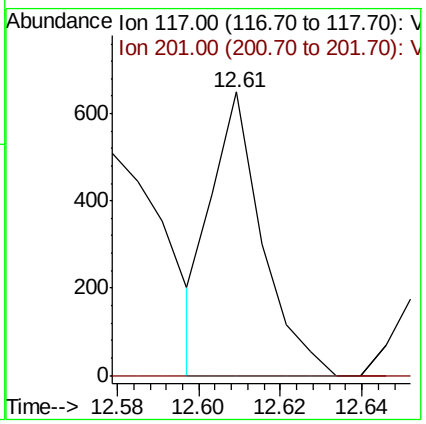


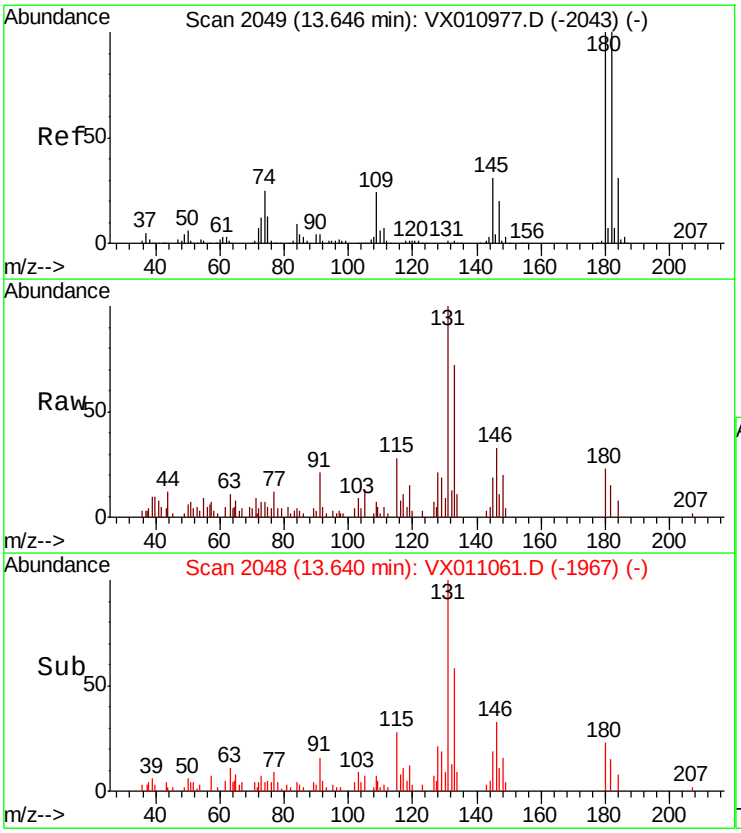
#86
Hexachloroethane
Concen: 0.416 ug/l
RT: 12.61 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 561

Ion	Ratio	Lower	Upper
117	100		
201	0.0	42.1	126.3#

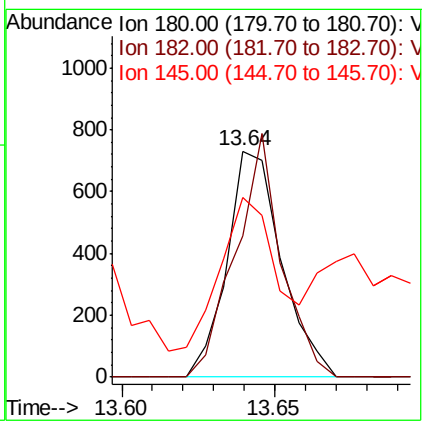


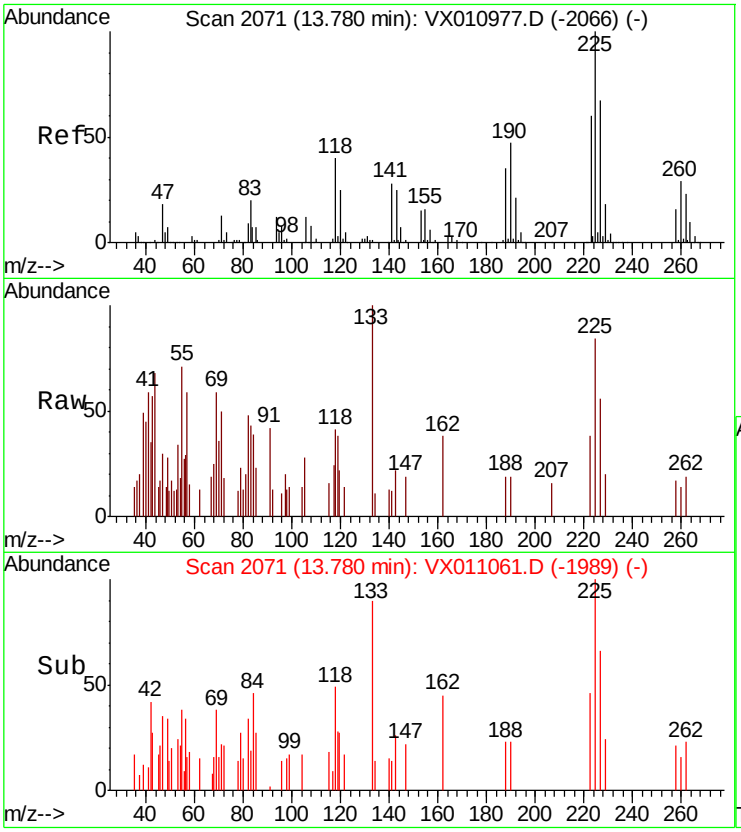


#89
1,2,4-Trichlorobenzene
Concen: 0.294 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:180 Resp: 900

Ion	Ratio	Lower	Upper
180	100		
182	91.1	77.6	116.4
145	70.4	23.8	35.6#



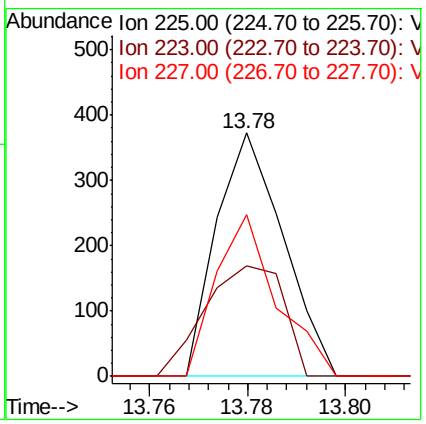


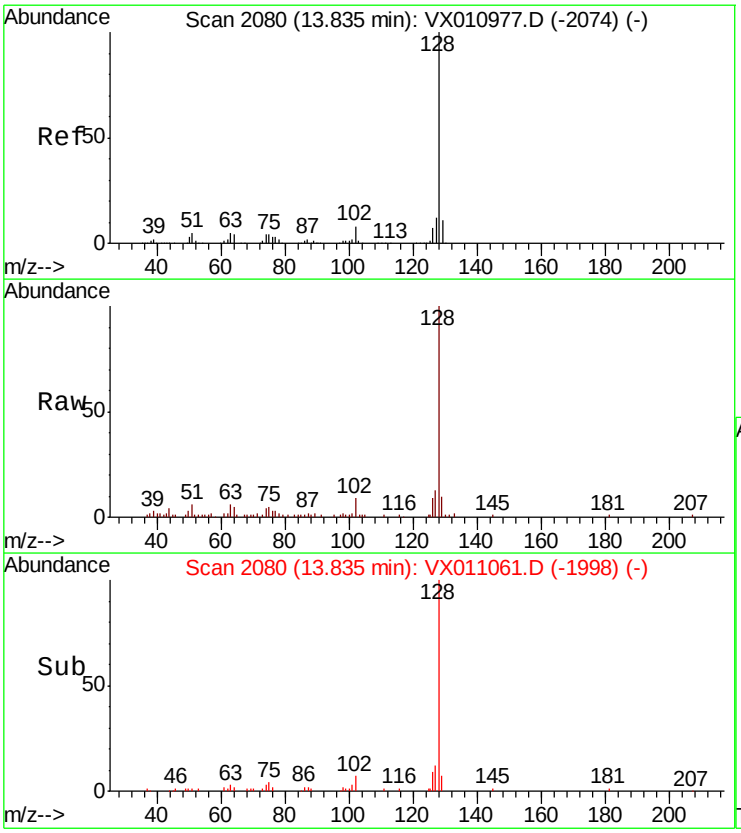
#90
Hexachlorobutadiene
Concen: 0.238 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 353

Ion	Ratio	Lower	Upper
225	100		
223	53.8	0.0	121.4
227	60.6	0.0	126.6

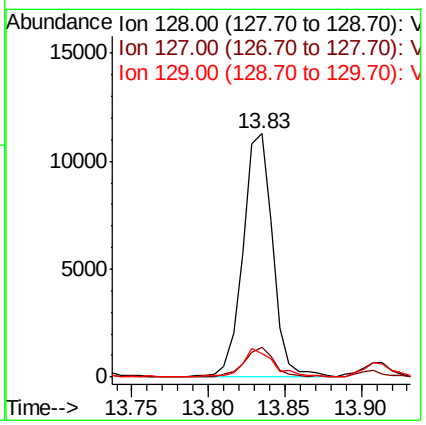


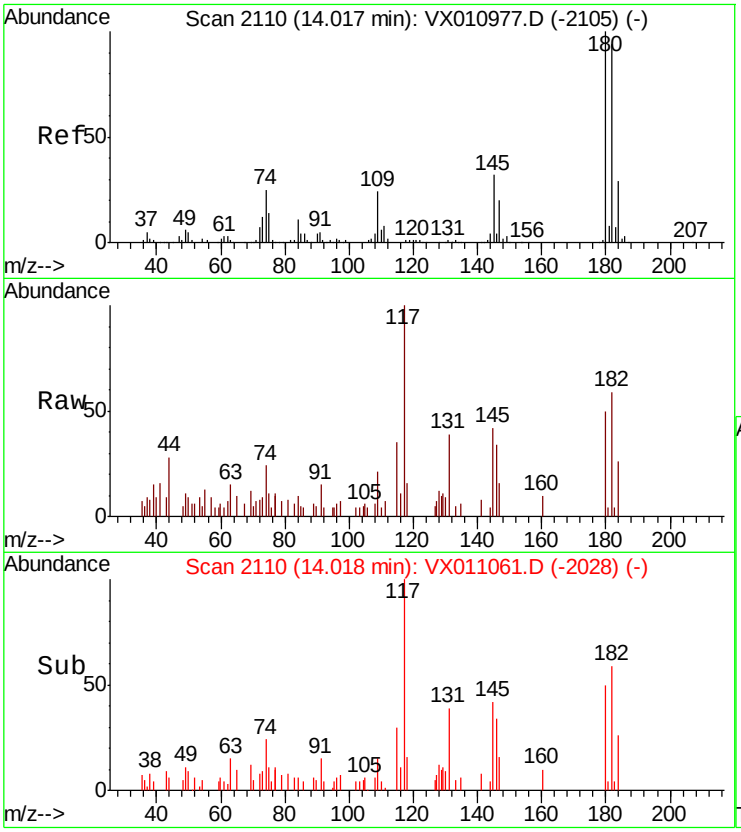


#91
Naphthalene
Concen: 1.630 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Tgt Ion:128 Resp: 15224

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	12.2	8.5	12.7





#92
1,2,3-Trichlorobenzene
Concen: 0.314 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011061.D
Acq: 24 Jul 2019 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 963

Ion	Ratio	Lower	Upper
180	100		
182	107.5	0.0	190.2
145	124.5	0.0	63.8#