Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022820\
Data File : VX015055.D
Acq On : 28 Feb 2020 11:49
Operator : JC/SP
Sample : L1699-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Feb 28 23:25:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.01	128	68996	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	366604	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.10	117	335743	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	142839	29.77	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.23%				
60) 4-Bromofluorobenzene	11.13	95	144252	27.59	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 91.97%				
63) Toluene-d8	8.71	98	432508	29.54	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.47%				
Target Compounds							Qvalue
8) Diethyl Ether	2.18	74	2663	1.014	ug/l		91
11) Methyl Iodide	2.51	142	2225	0.505	ug/l	#	92
13) Acrolein	2.23	56	333	0.371	ug/l		83
16) Carbon Disulfide	2.57	76	3257	0.334	ug/l	#	79
18) Methylene Chloride	2.84	84	1037	0.248	ug/l	#	30
23) tert-Butyl Alcohol	3.02	59	6733	8.333	ug/l	#	97
45) 1,4-Dioxane	7.72	88	136	1.617	ug/l	#	1
64) Chlorobenzene	10.14	112	42562	3.877	ug/l		96
67) m/p-Xylenes	10.35	106	1526	0.209	ug/l		94
75) 2-Chlorotoluene	11.36	91	2816	0.223	ug/l		63
77) t-1,4-Dichloro-2-butene	11.07	75	412	0.204	ug/l		80
83) 1,3-Dichlorobenzene	12.02	146	2225	0.250	ug/l		83
84) 1,4-Dichlorobenzene	12.09	146	7147	0.798	ug/l		98
85) n-Butylbenzene	12.39	91	3564	0.242	ug/l		85
87) 1,2-Dichlorobenzene	12.39	146	2654	0.300	ug/l		95
89) 1,2,4-Trichlorobenzene	14.02	180	2939	0.462	ug/l		96
90) Hexachlorobutadiene	13.78	225	1730	0.547	ug/l		87
91) Naphthalene	13.83	128	8603	0.478	ug/l	#	86
92) 1,2,3-Trichlorobenzene	14.02	180	2939	0.465	ug/l		97

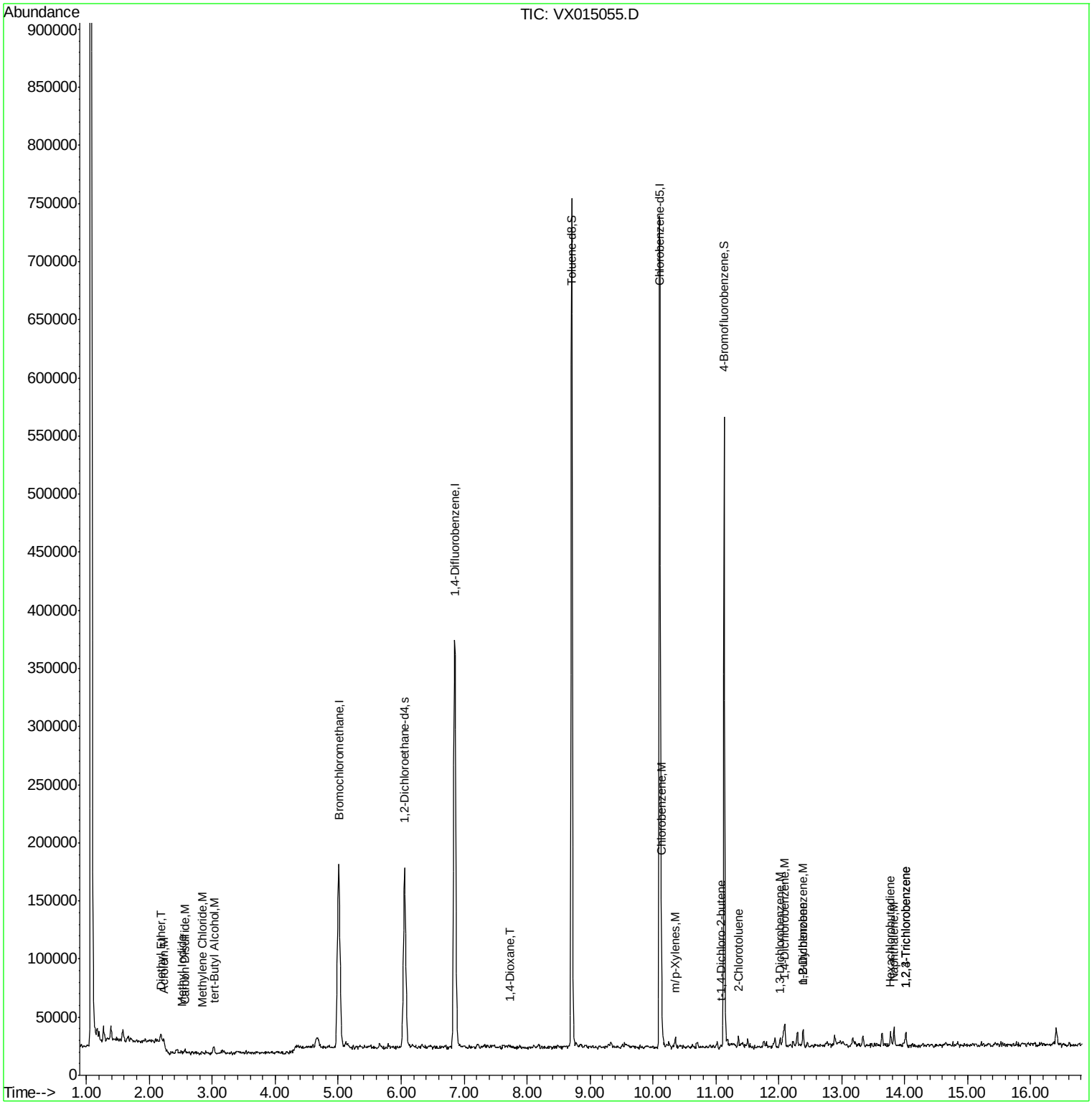
(#) = qualifier out of range (m) = manual integration (+) = signals summed

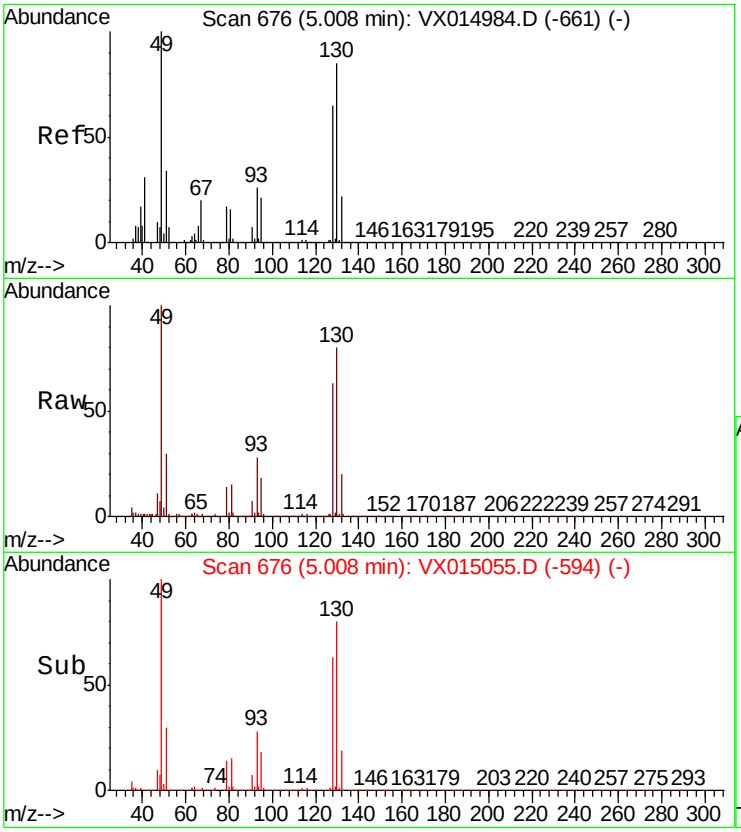
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022820\
Data File : VX015055.D
Acq On : 28 Feb 2020 11:49
Operator : JC/SP
Sample : L1699-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 28 14:21:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration



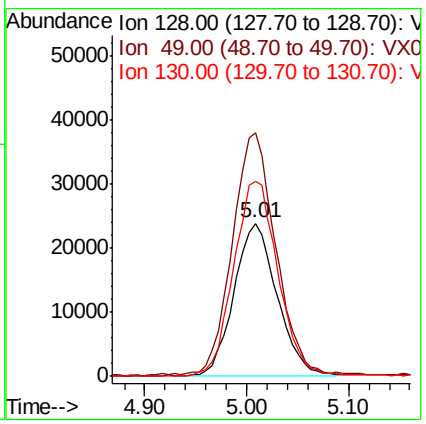


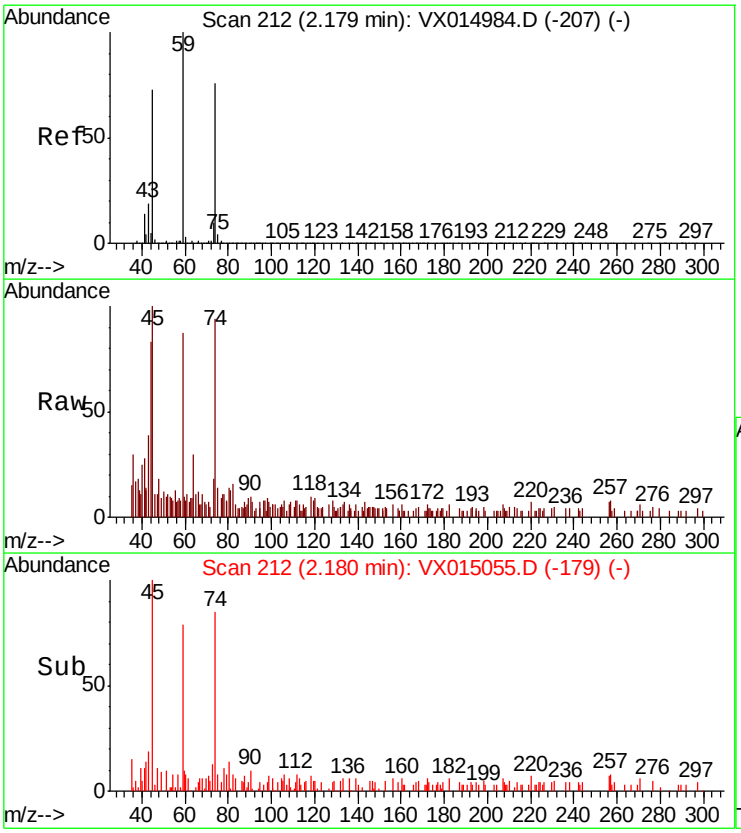
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 68996

Ion	Ratio	Lower	Upper
128	100		
49	159.6	0.0	384.7
130	131.2	0.0	330.8

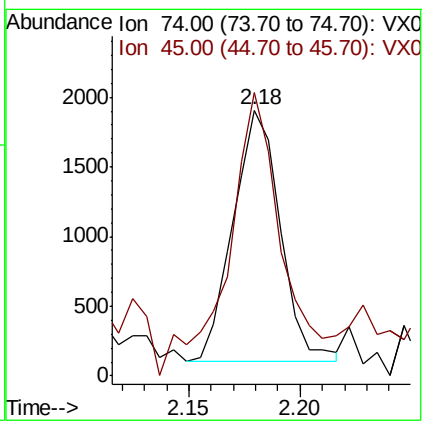


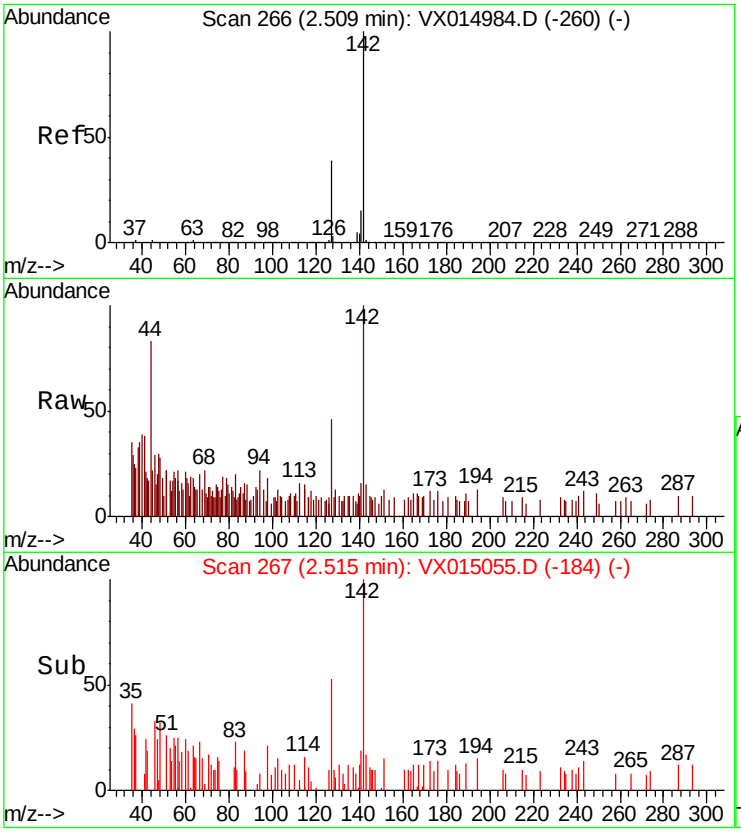


#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 74 Resp: 2663

Ion	Ratio	Lower	Upper
74	100		
45	89.4	19.6	176.8



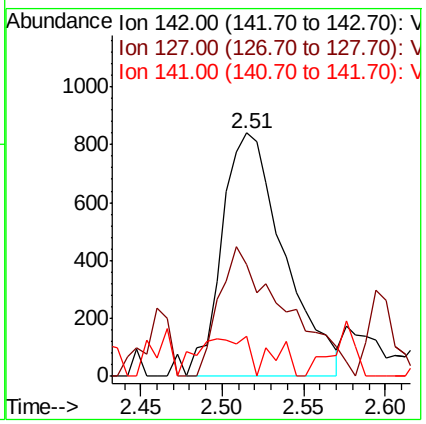


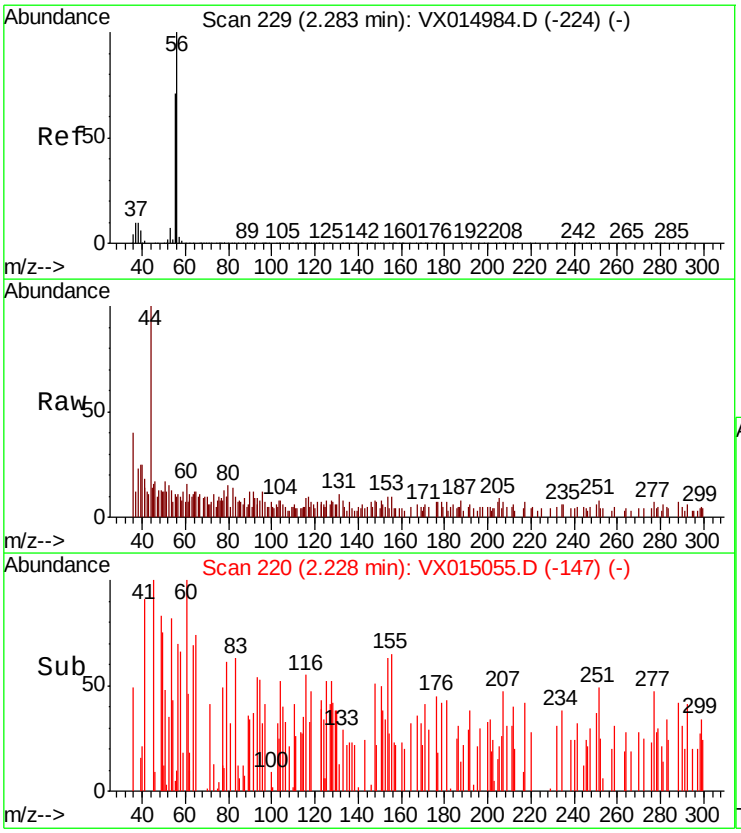
#11
Methyl Iodide
Concen: 0.505 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:142 Resp: 2225

Ion	Ratio	Lower	Upper
142	100		
127	41.9	19.7	59.0
141	7.2	7.4	22.2#

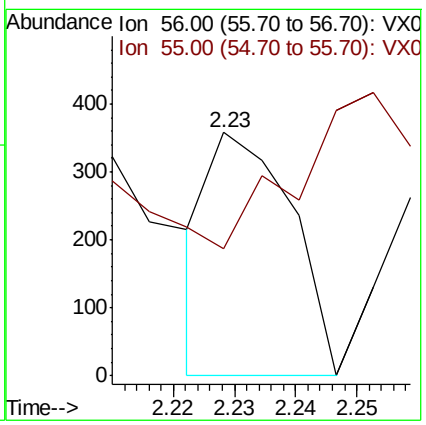


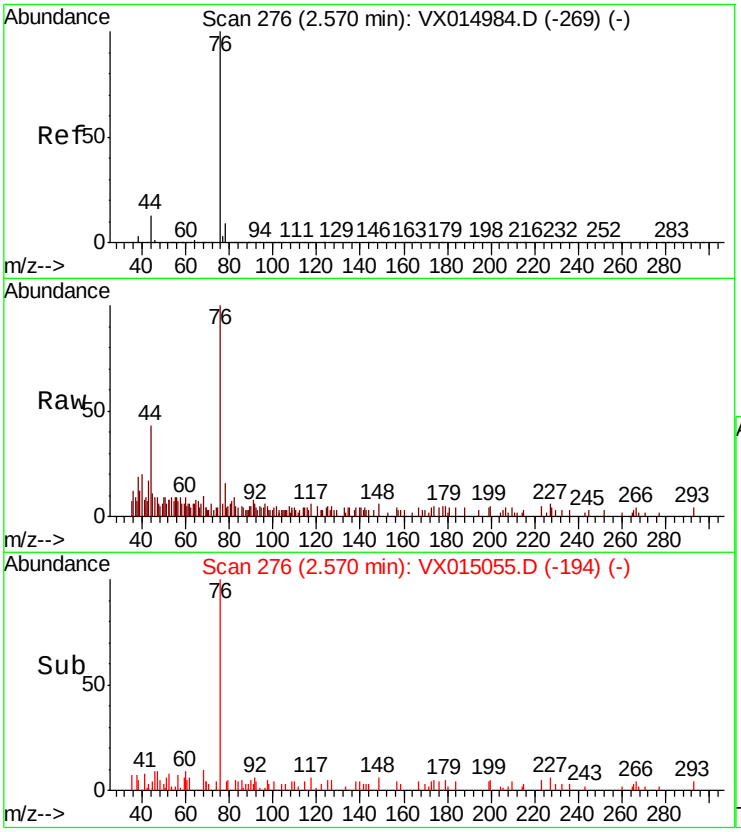


#13
Acrolein
Concen: 0.371 ug/l
RT: 2.23 min Scan# 220
Delta R.T. -0.05 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 56 Resp: 333

Ion	Ratio	Lower	Upper
56	100		
55	83.8	56.2	84.2



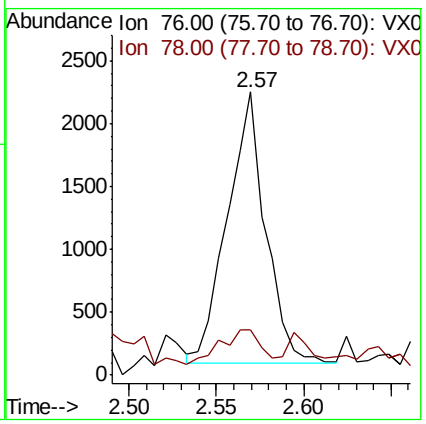


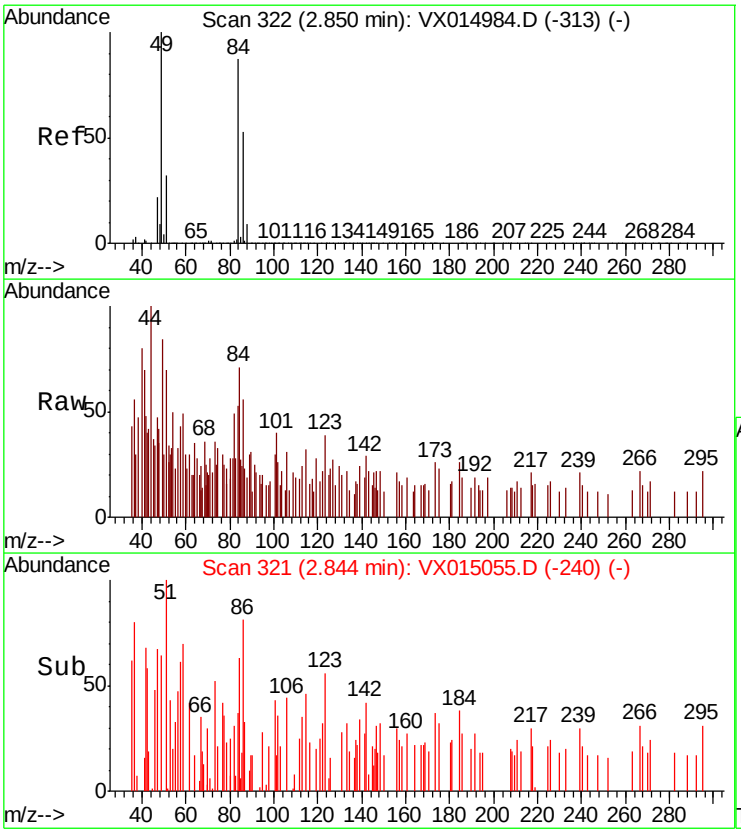
#16
Carbon Disulfide
Concen: 0.334 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 76 Resp: 3257

Ion	Ratio	Lower	Upper
76	100		
78	16.6	7.1	10.7#

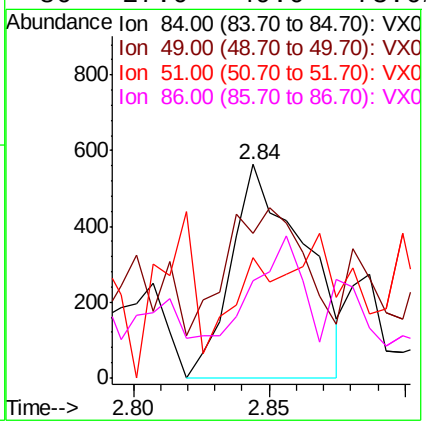


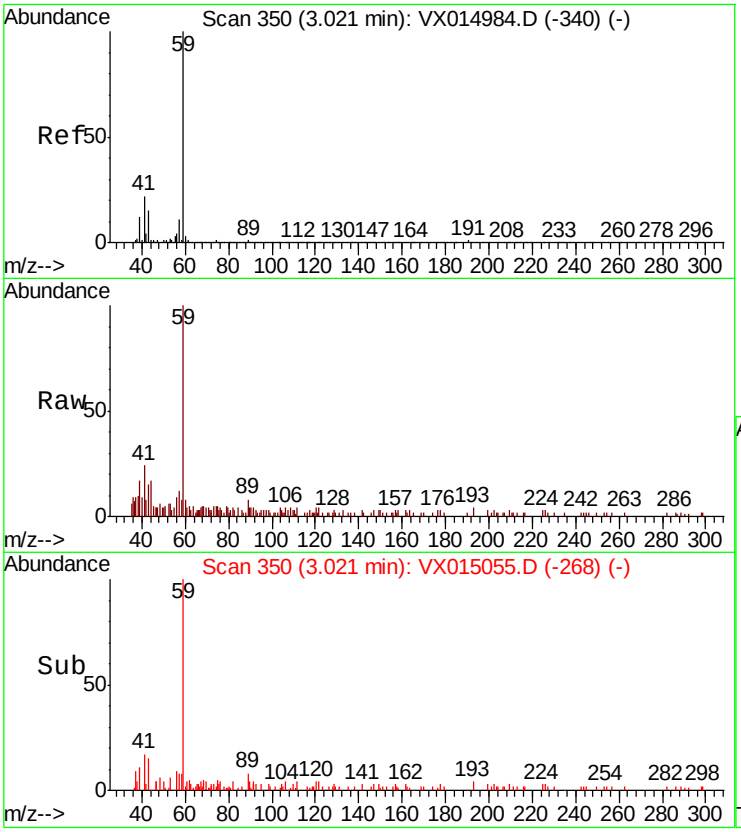


#18
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 84 Resp: 1037

Ion	Ratio	Lower	Upper
84	100		
49	21.6	92.2	138.2#
51	0.0	29.7	44.5#
86	27.0	49.0	73.6#



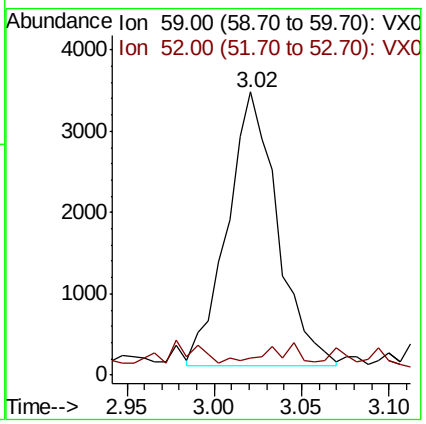


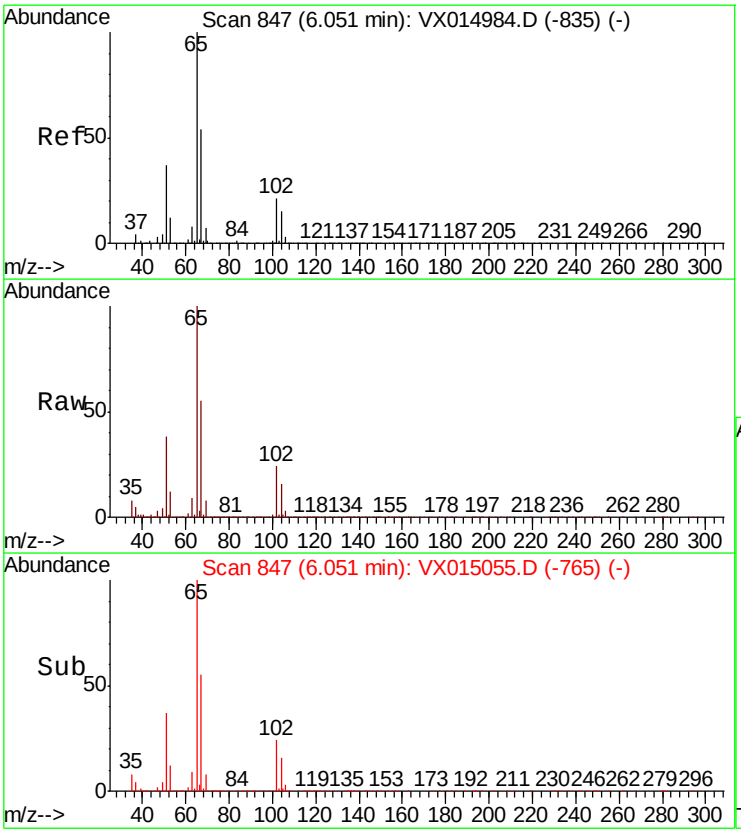
#23
tert-Butyl Alcohol
Concen: 8.333 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 59 Resp: 6733

Ion	Ratio	Lower	Upper
59	100		
52	2.3	0.4	0.6#

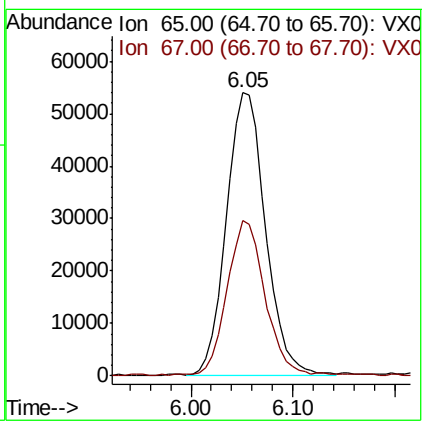


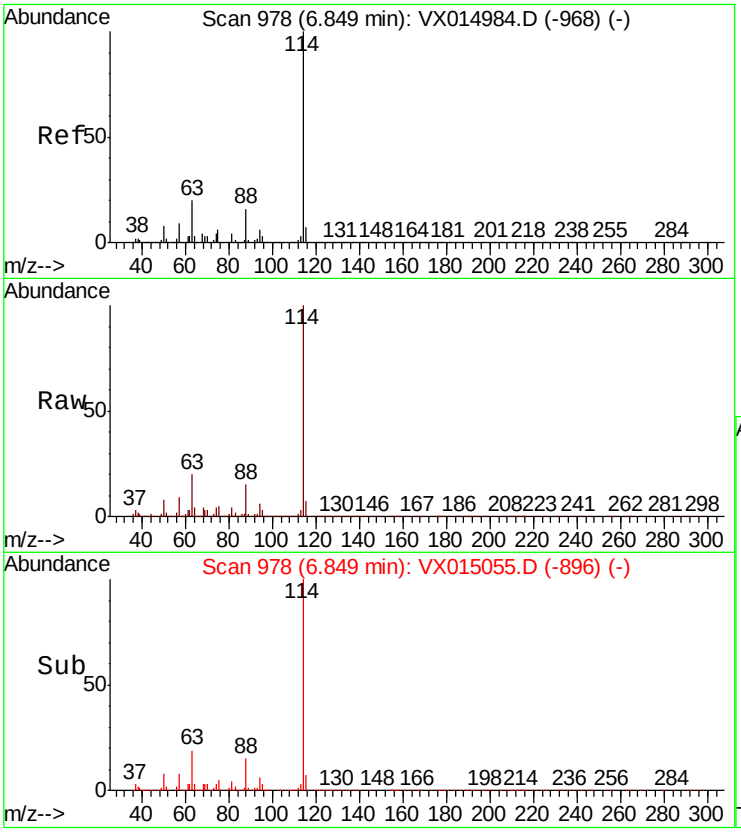


#27
1,2-Dichloroethane-d4
Concen: 29.772 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 65 Resp: 142839

Ion	Ratio	Lower	Upper
65	100		
67	53.0	41.9	62.9



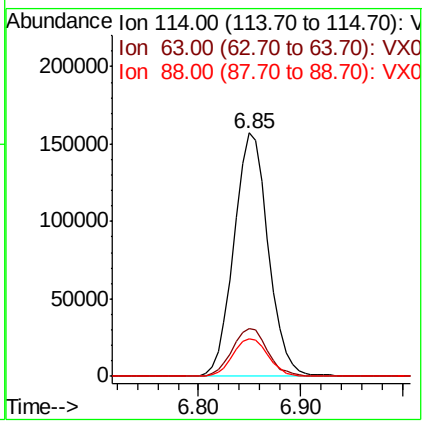


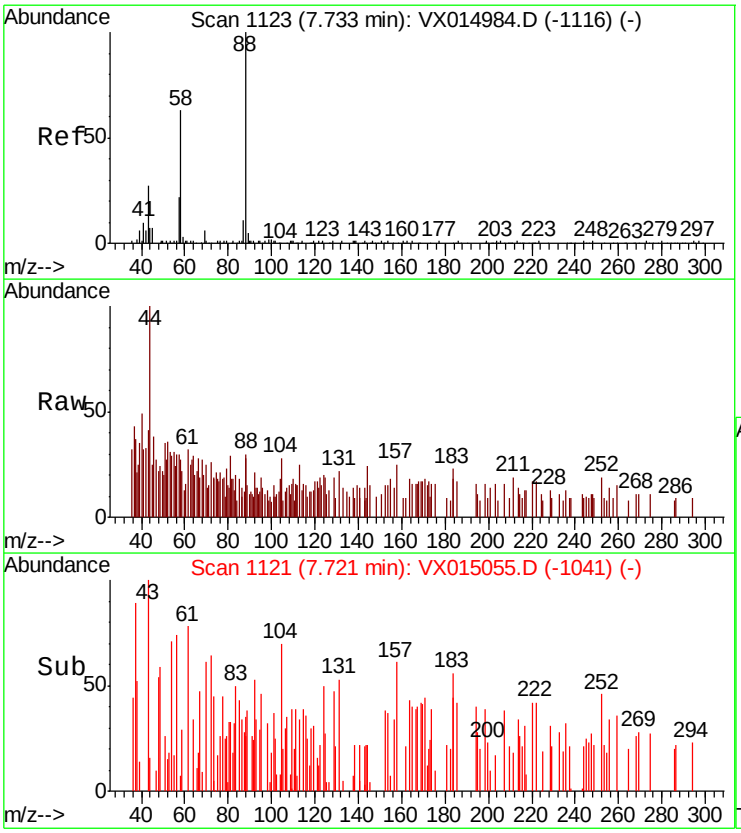
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:114 Resp: 366604

Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.6	23.4
88	15.8	12.2	18.2

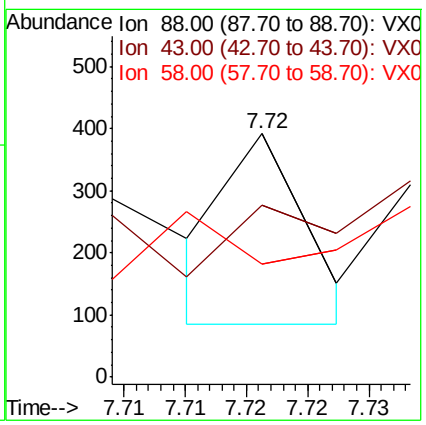


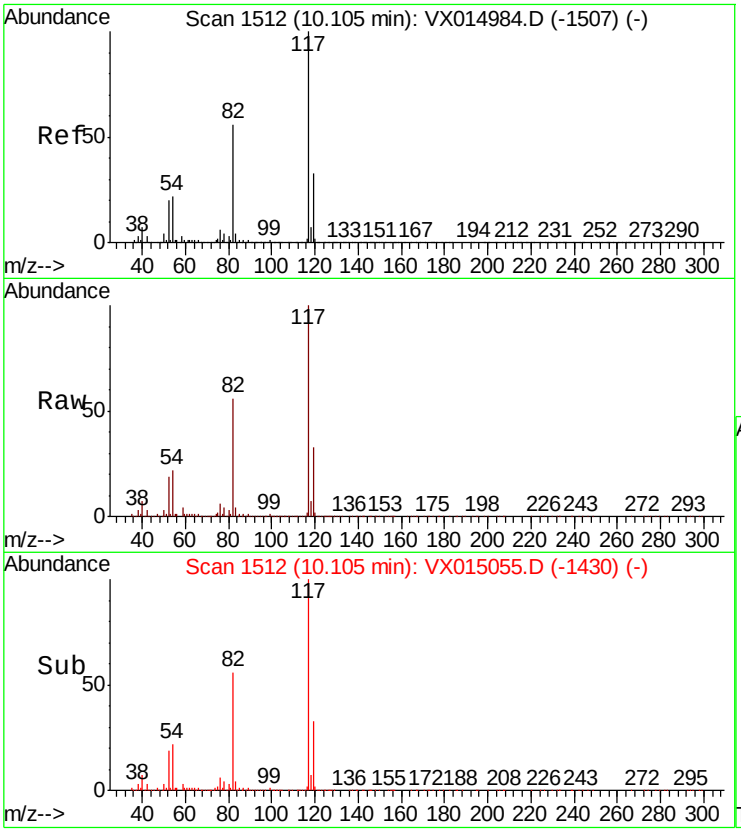


#45
1,4-Dioxane
Concen: 1.617 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 88 Resp: 136

Ion	Ratio	Lower	Upper
88	100		
43	369.1	25.4	38.2#
58	43.4	55.8	83.8#



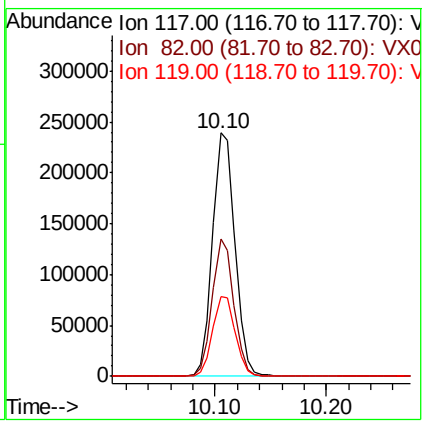


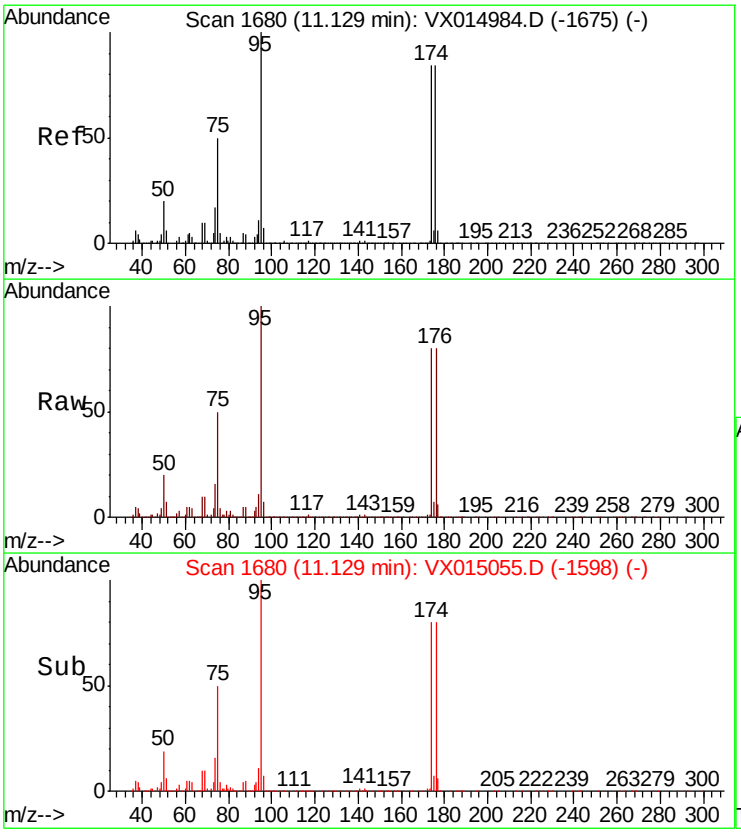
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 335743

Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.2
119	32.8	26.0	39.0

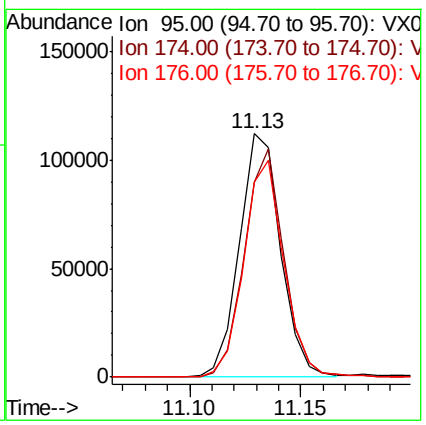


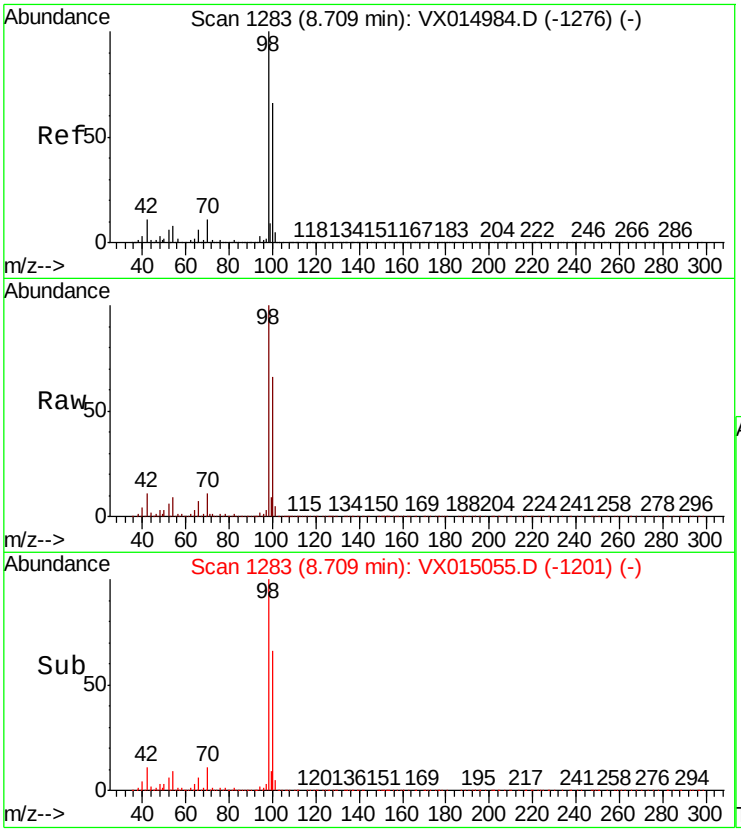


#60
4-Bromofluorobenzene
Concen: 27.586 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 95 Resp: 144252

Ion	Ratio	Lower	Upper
95	100		
174	90.3	72.3	108.5
176	87.3	72.0	108.0



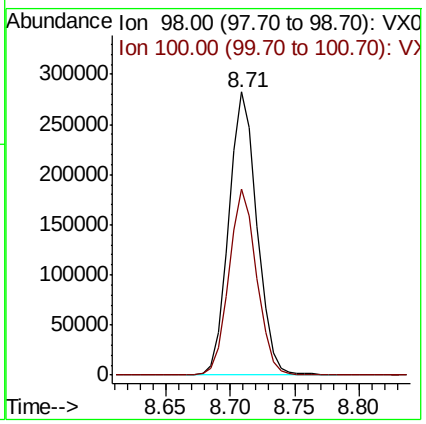


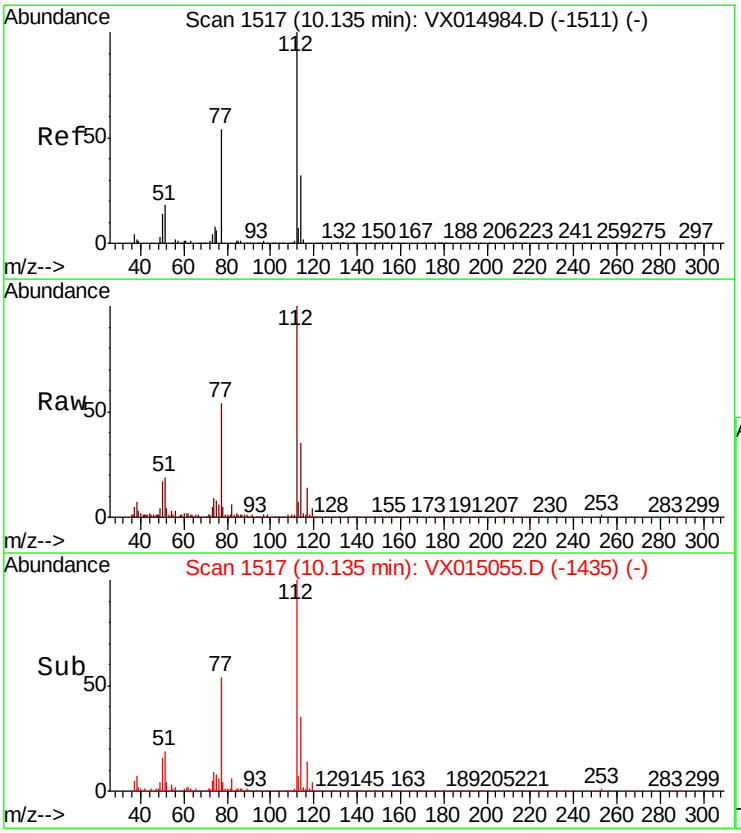
#63
Toluene-d8
Concen: 29.540 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 432508

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

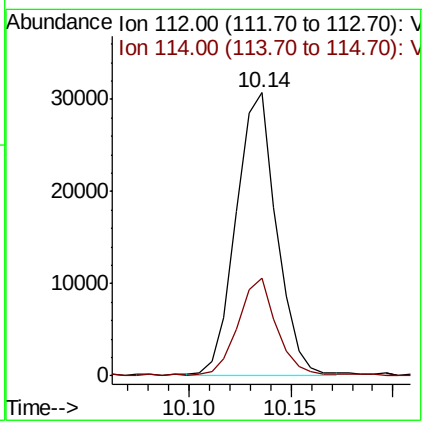


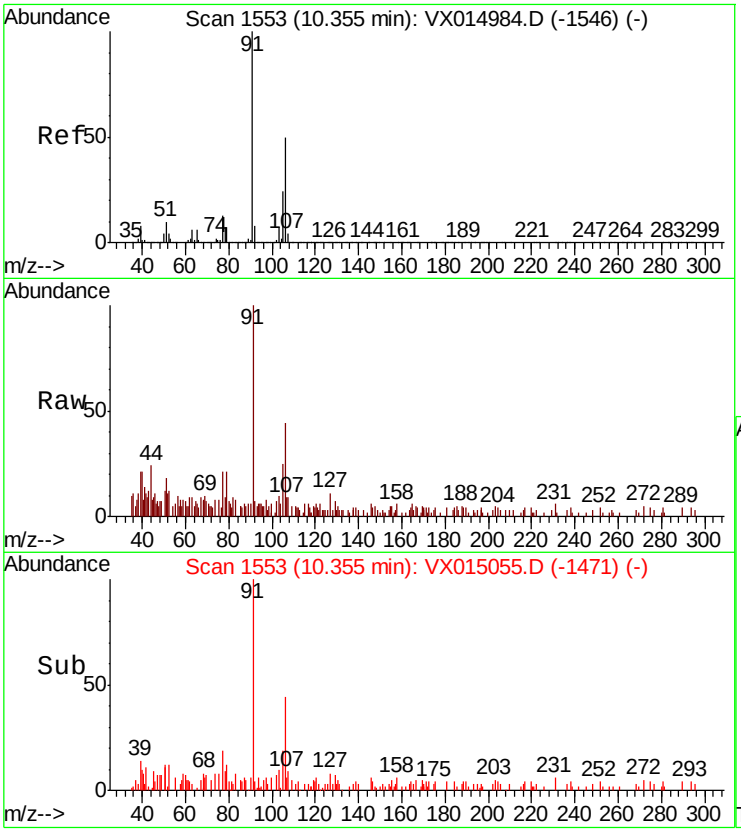


#64
Chlorobenzene
Concen: 3.877 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion:112 Resp: 42562

Ion	Ratio	Lower	Upper
112	100		
114	34.4	25.8	38.6



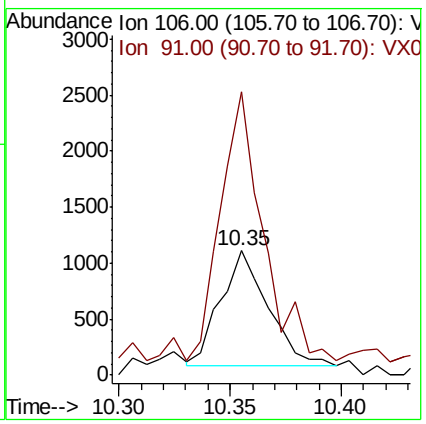


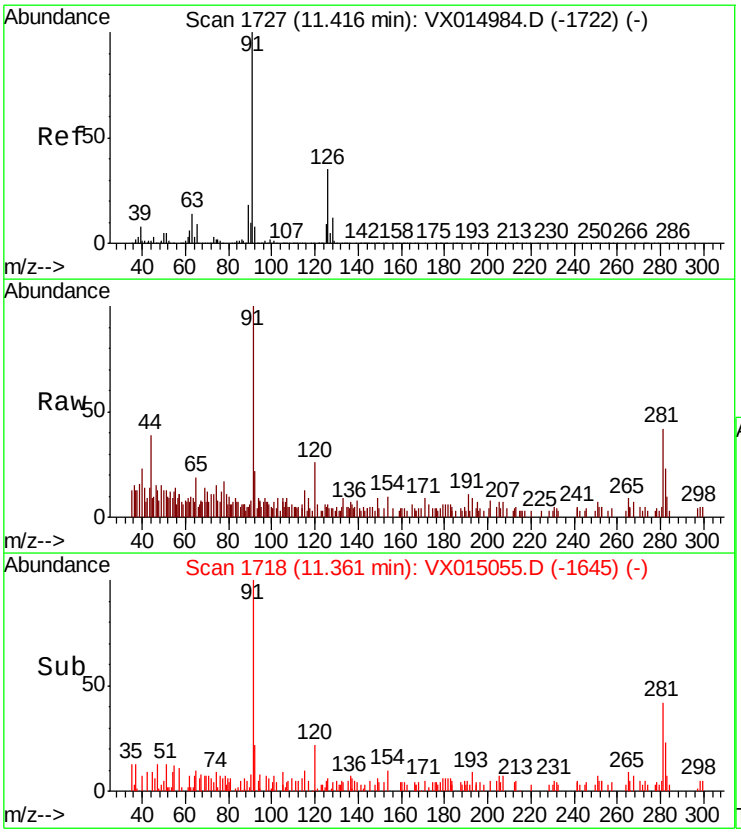
#67
m/p-Xylenes
Concen: 0.209 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 1526

Ion	Ratio	Lower	Upper
106	100		
91	209.8	160.4	240.6

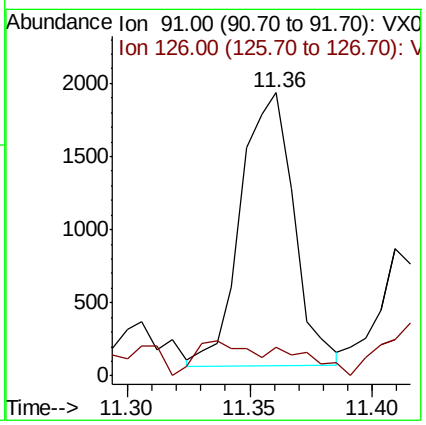


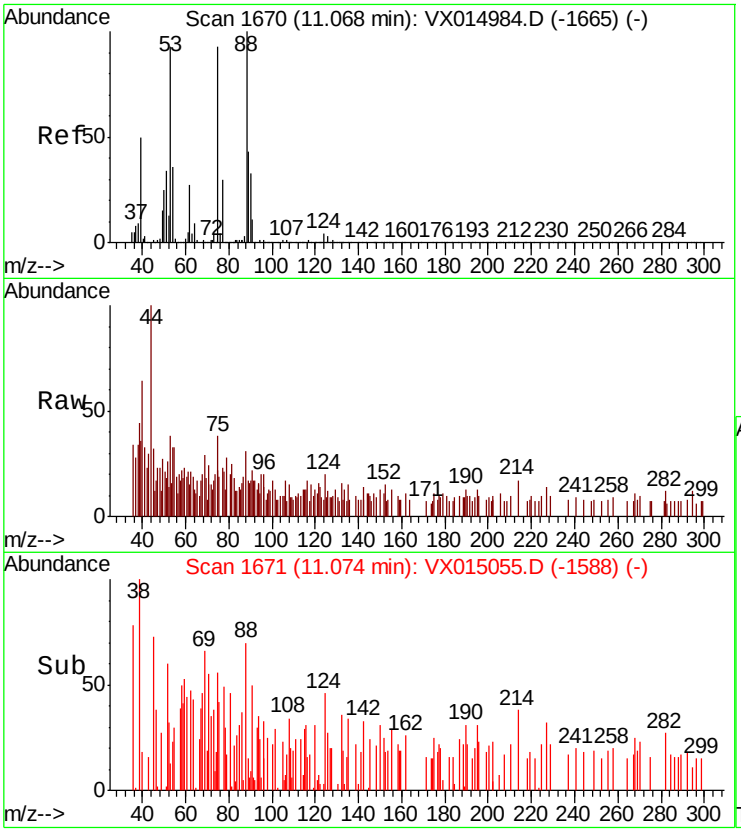


#75
2-Chlorotoluene
Concen: 0.223 ug/l
RT: 11.36 min Scan# 1718
Delta R.T. -0.05 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 91 Resp: 2816

Ion	Ratio	Lower	Upper
91	100		
126	13.2	0.0	69.0



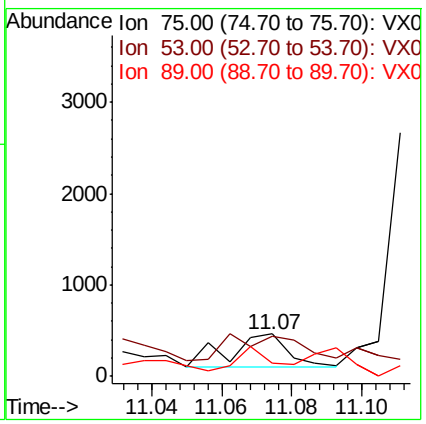


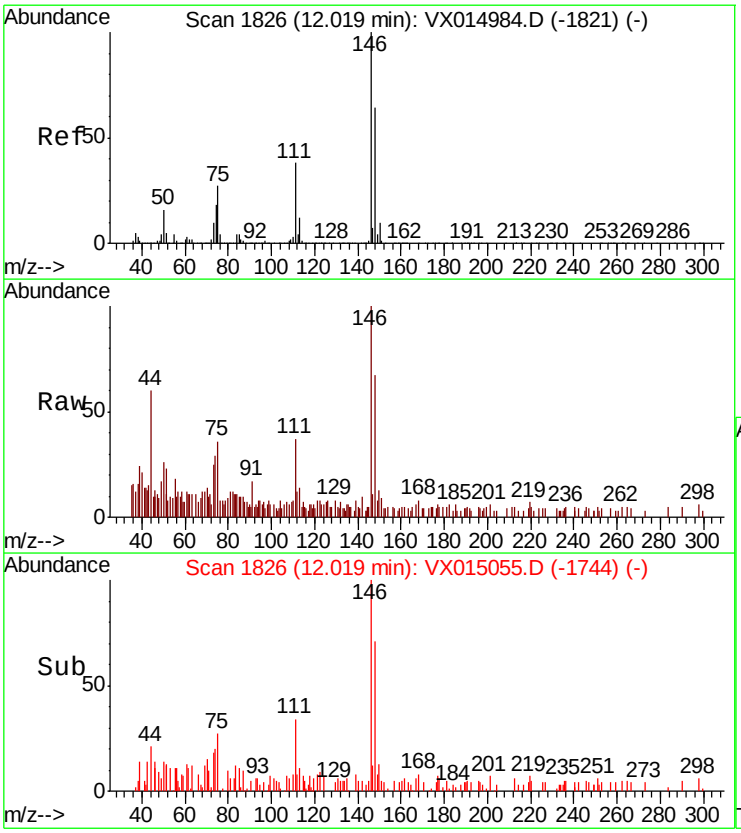
#77
t-1,4-Dichloro-2-butene
Concen: 0.204 ug/l
RT: 11.07 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 412

Ion	Ratio	Lower	Upper
75	100		
53	73.7	50.0	149.8
89	41.7	23.5	70.5

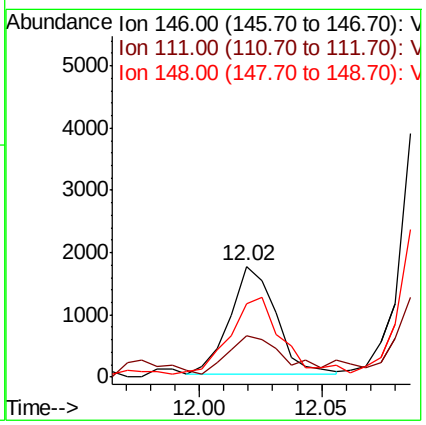


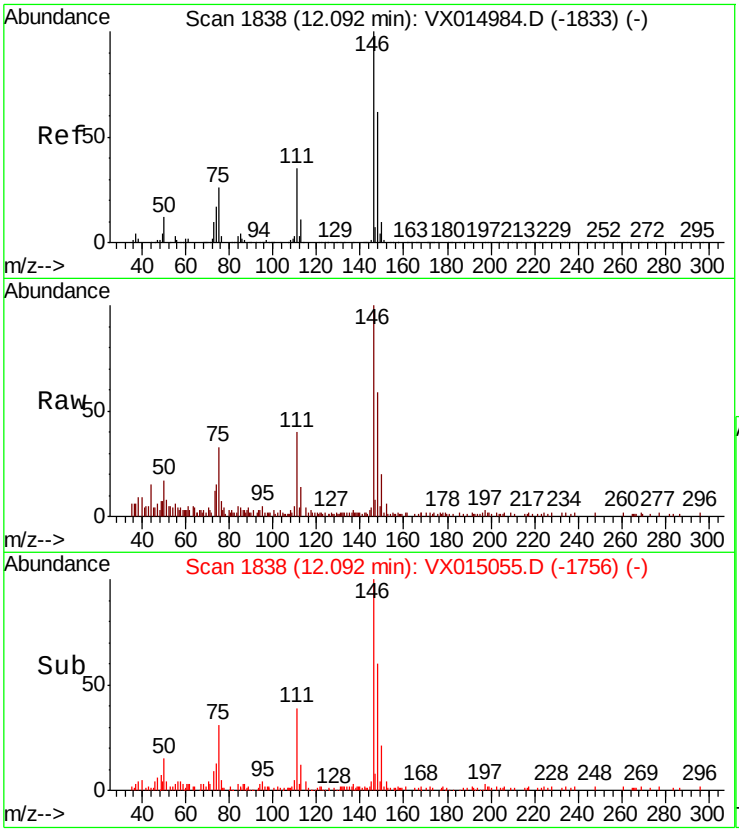


#83
1,3-Dichlorobenzene
Concen: 0.250 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion:146 Resp: 2225

Ion	Ratio	Lower	Upper
146	100		
111	49.1	19.3	57.9
148	78.0	32.3	96.9



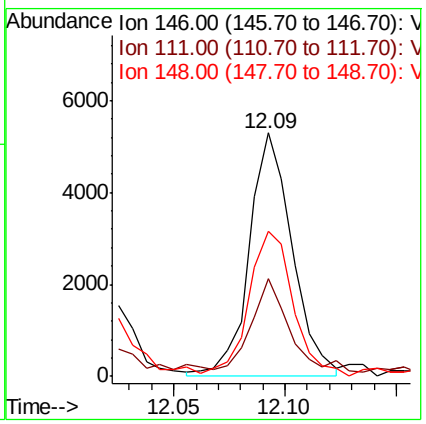


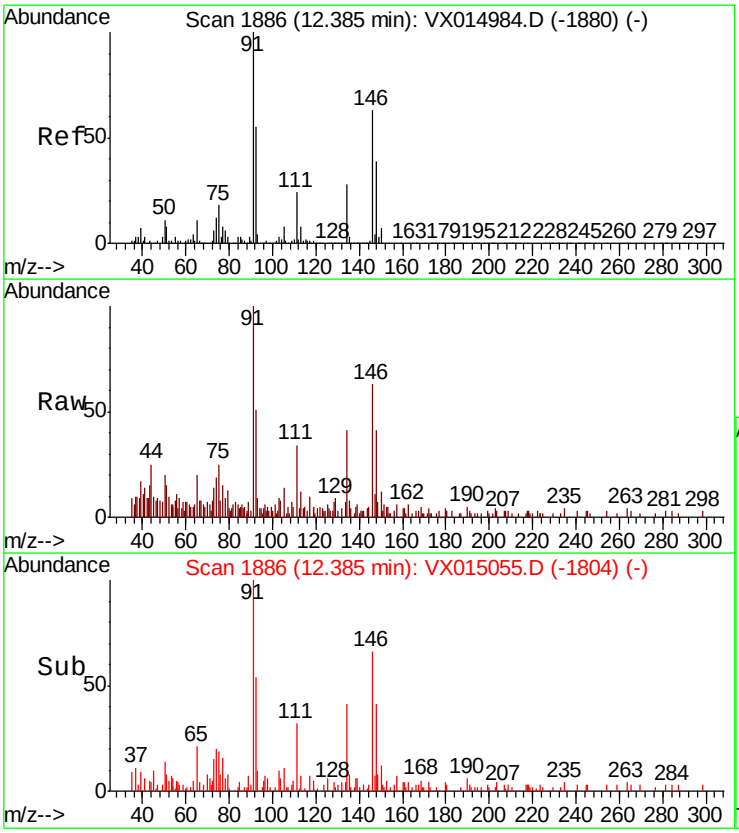
#84
1,4-Dichlorobenzene
Concen: 0.798 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 7147

Ion	Ratio	Lower	Upper
146	100		
111	33.7	17.8	53.5
148	61.5	31.4	94.2

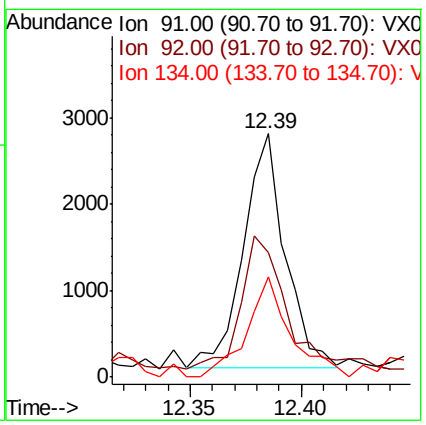


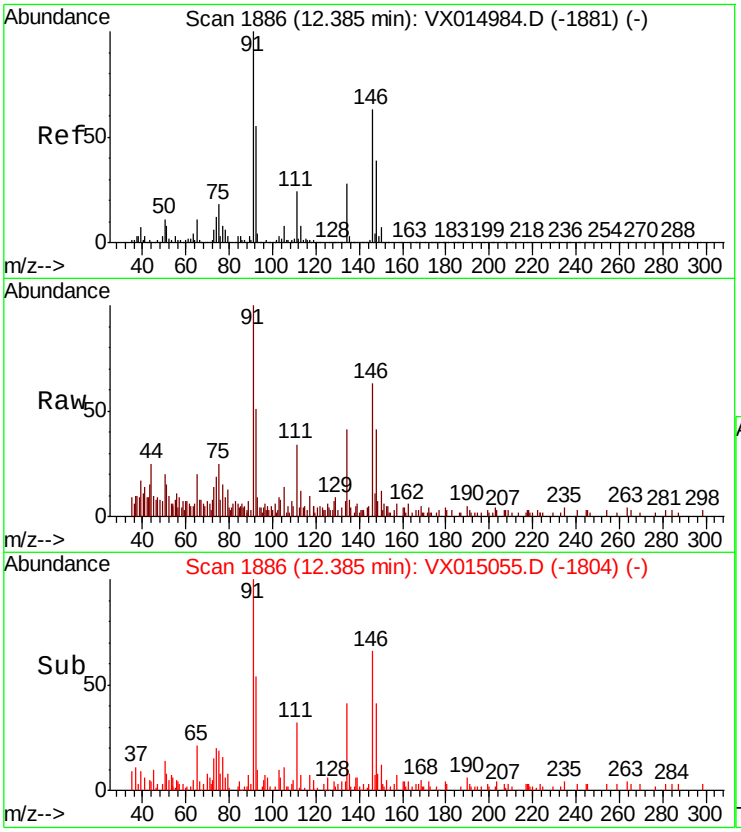


#85
n-Butylbenzene
Concen: 0.242 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion: 91 Resp: 3564

Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	109.8
134	44.2	0.0	54.8



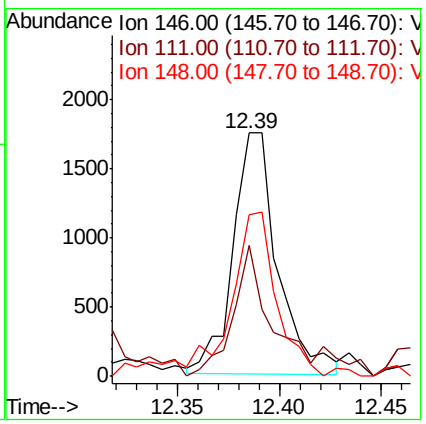


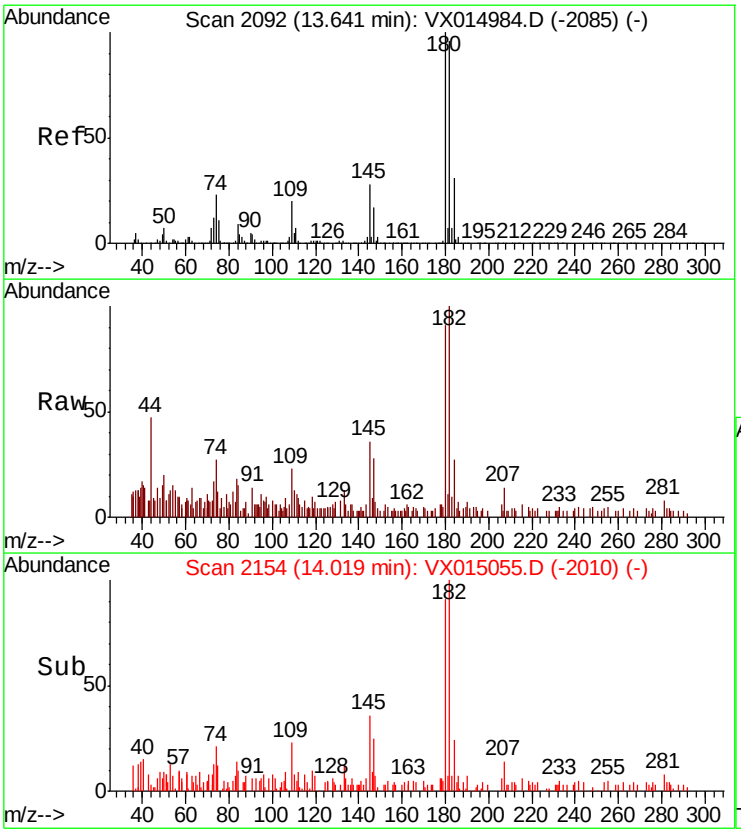
#87
1,2-Dichlorobenzene
Concen: 0.300 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 2654

Ion	Ratio	Lower	Upper
146	100		
111	45.2	19.7	59.1
148	61.8	32.0	96.0

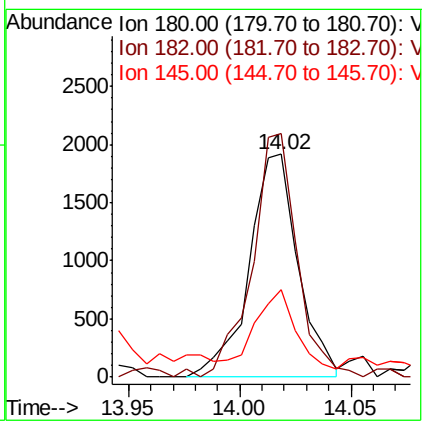


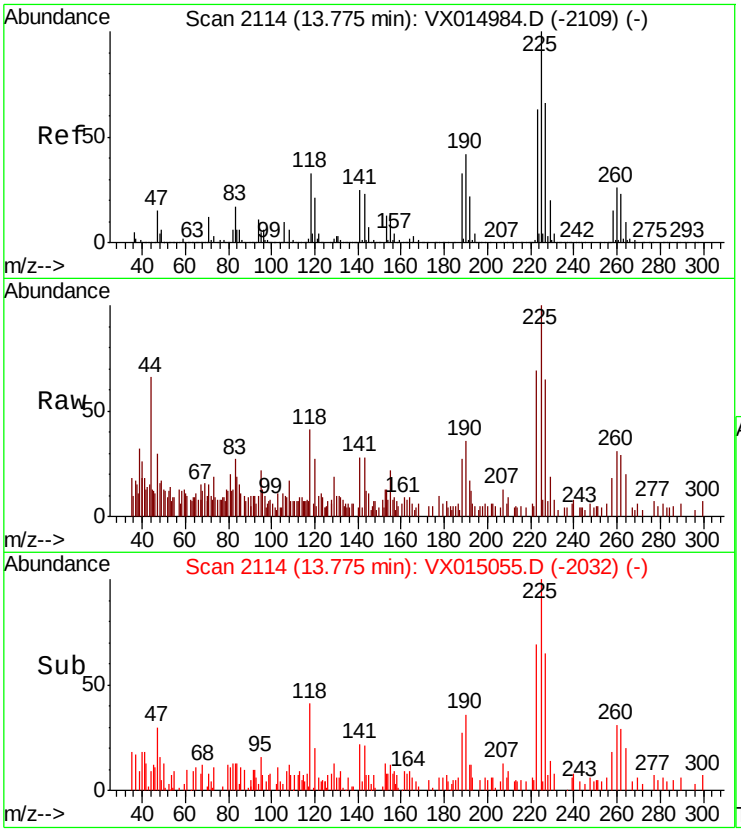


#89
1,2,4-Trichlorobenzene
Concen: 0.462 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.38 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion:180 Resp: 2939

Ion	Ratio	Lower	Upper
180	100		
182	99.4	76.4	114.6
145	28.7	21.8	32.6



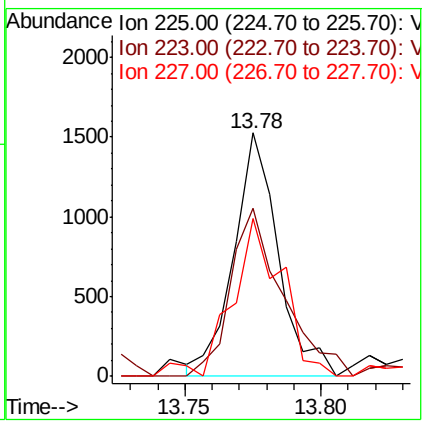


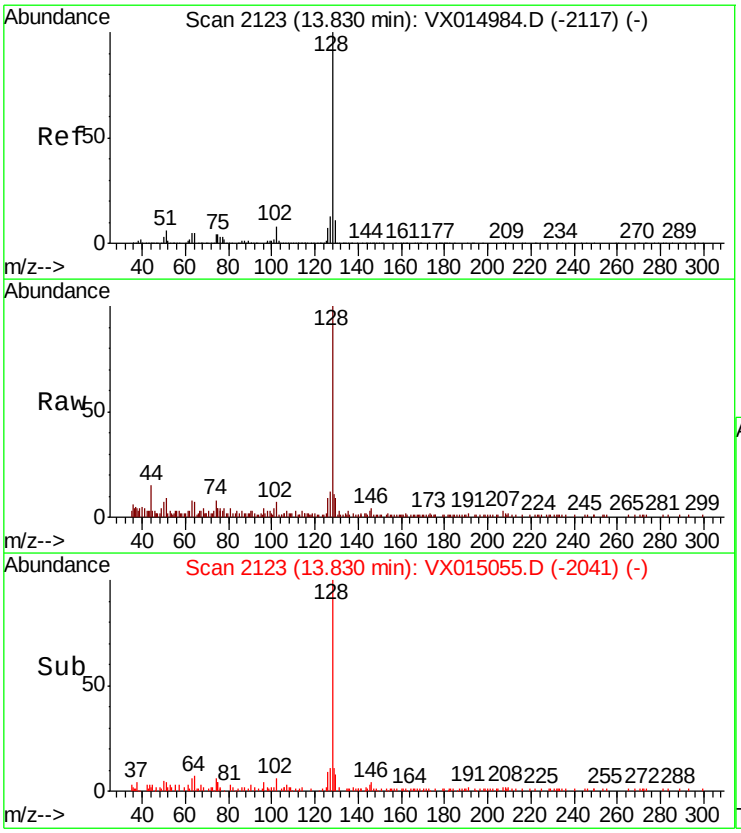
#90
Hexachlorobutadiene
Concen: 0.547 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 1730

Ion	Ratio	Lower	Upper
225	100		
223	81.4	0.0	132.0
227	70.4	0.0	131.0

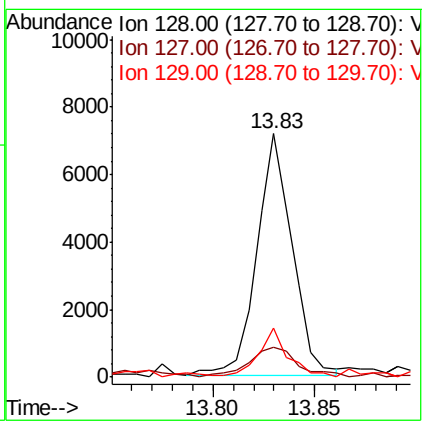


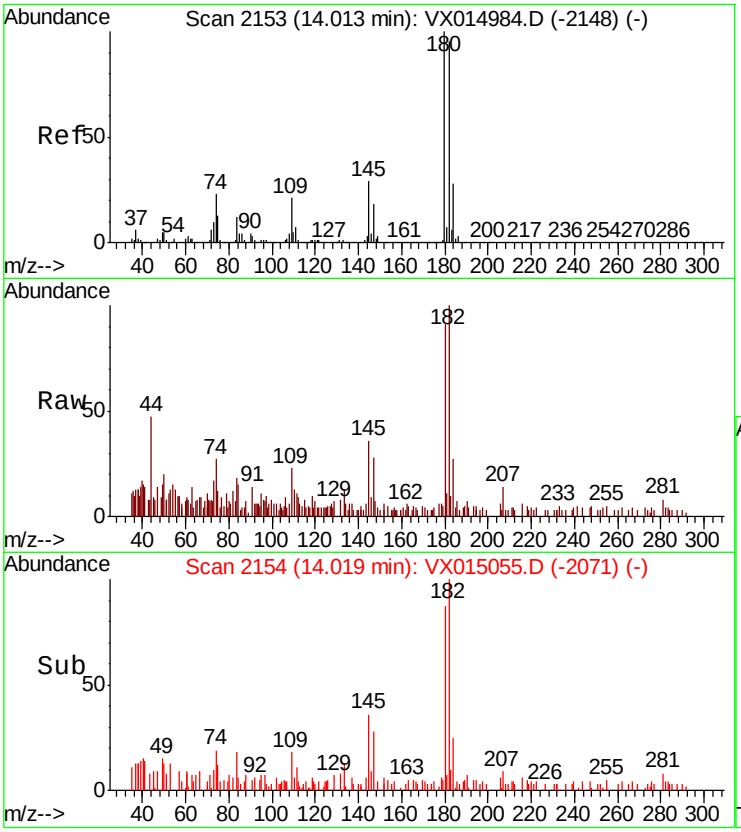


#91
Naphthalene
Concen: 0.478 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Tgt Ion:128 Resp: 8603

Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.2	15.4#
129	17.4	8.6	13.0#





#92
1,2,3-Trichlorobenzene
Concen: 0.465 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX015055.D
Acq: 28 Feb 2020 11:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 2939

Ion	Ratio	Lower	Upper
180	100		
182	99.4	0.0	192.4
145	32.2	0.0	60.4