Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102819\
Data File : VX013245.D
Acq On : 28 Oct 2019 14:06
Operator : JC/SP
Sample : K5580-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TT-TB-20191025

Quant Time: Oct 29 15:15:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.01	128	22150	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	122246	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	108325	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.06	65	55033	31.56	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 105.20%				
60) 4-Bromofluorobenzene	11.13	95	51430	27.27	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 90.90%				
63) Toluene-d8	8.71	98	147910	30.70	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 102.33%				
Target Compounds							Qvalue
6) Chloroethane	2.06	64	228	0.249	ug/l		92
11) Methyl Iodide	2.51	142	510	0.291	ug/l	#	81
14) Acrylonitrile	3.14	53	150	0.204	ug/l		84
15) Acetone	2.44	58	3574	14.783	ug/l		89
16) Carbon Disulfide	2.56	76	912	0.251	ug/l	#	77
18) Methylene Chloride	2.85	84	369	0.235	ug/l	#	84
23) tert-Butyl Alcohol	3.02	59	6604	17.081	ug/l	#	100
30) 2-Butanone	4.68	43	336	0.337	ug/l	#	52
51) Ethyl methacrylate	8.72	69	521	0.235	ug/l		90
77) t-1,4-Dichloro-2-butene	11.13	75	25884	37.384	ug/l	#	9
84) 1,4-Dichlorobenzene	12.10	146	600	0.207	ug/l		91
87) 1,2-Dichlorobenzene	12.10	146	600	0.211	ug/l		88
89) 1,2,4-Trichlorobenzene	14.01	180	453	0.256	ug/l		97
91) Naphthalene	13.84	128	1462	0.254	ug/l	#	91
92) 1,2,3-Trichlorobenzene	14.01	180	453	0.250	ug/l		95

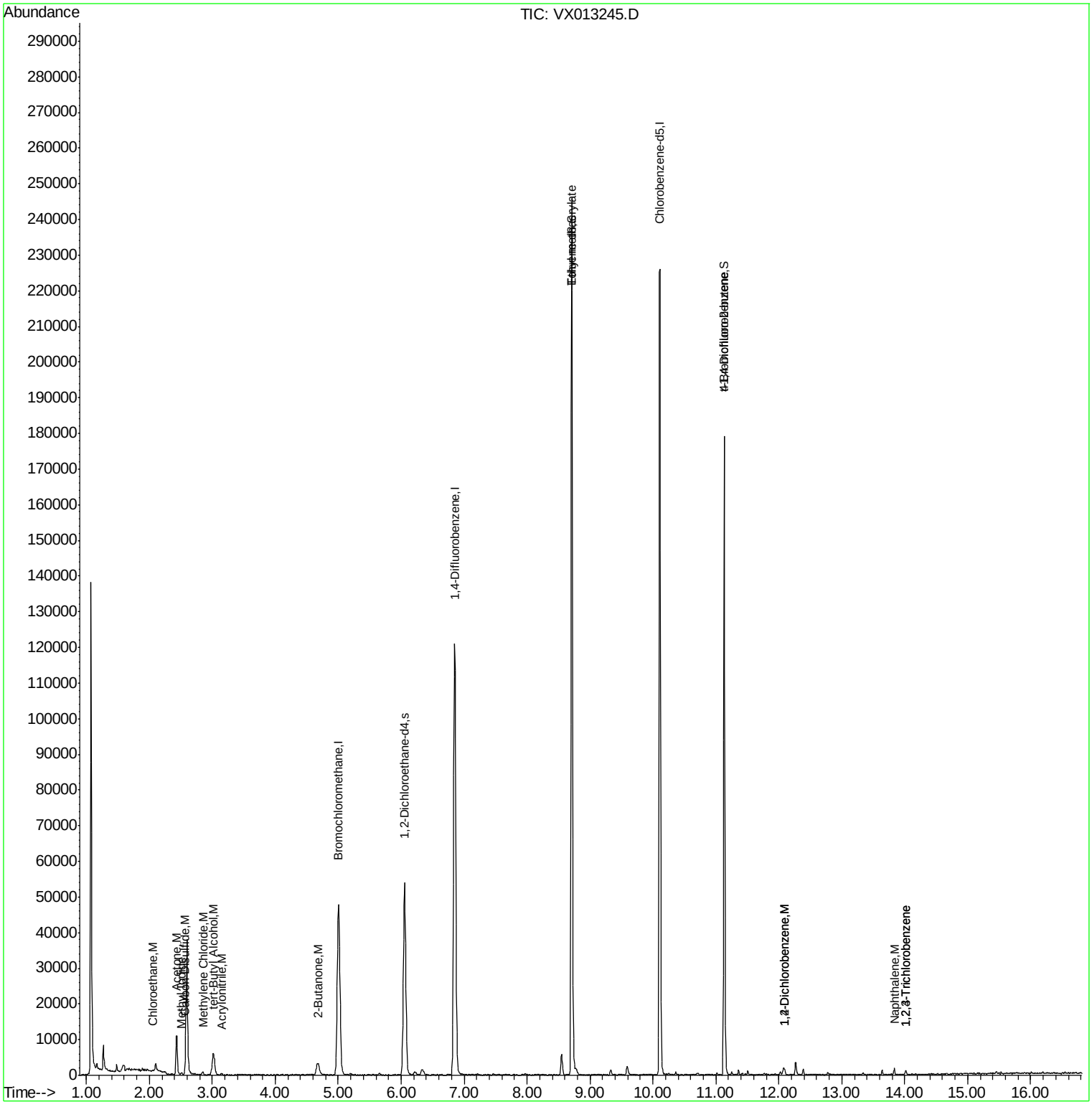
(#) = qualifier out of range (m) = manual integration (+) = signals summed

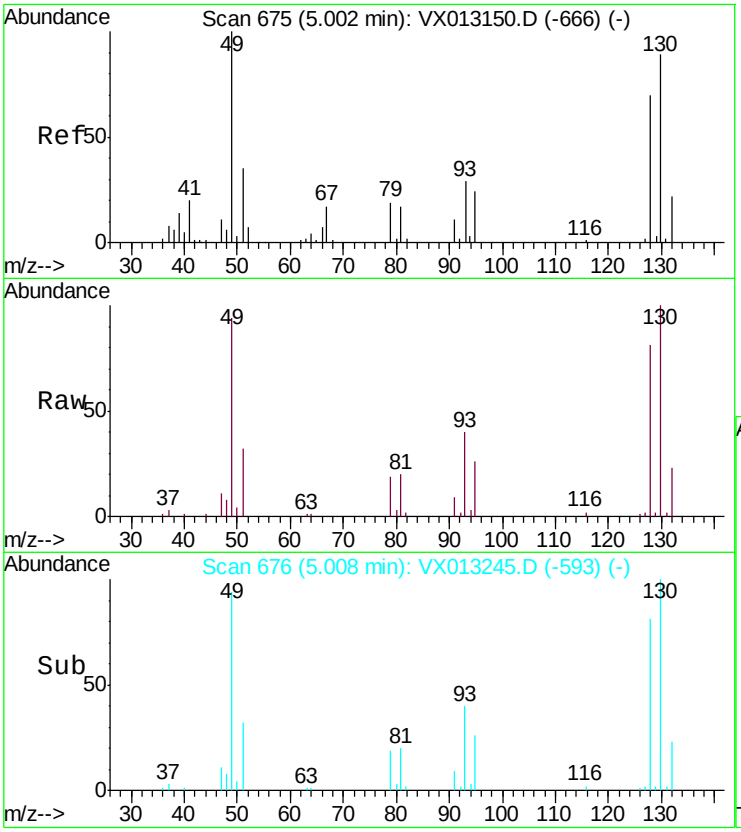
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102819\
Data File : VX013245.D
Acq On : 28 Oct 2019 14:06
Operator : JC/SP
Sample : K5580-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Quant Time: Oct 29 15:15:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration



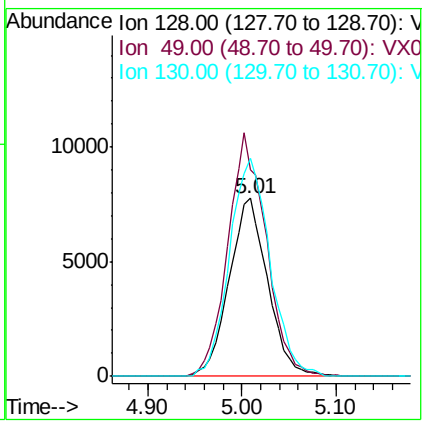


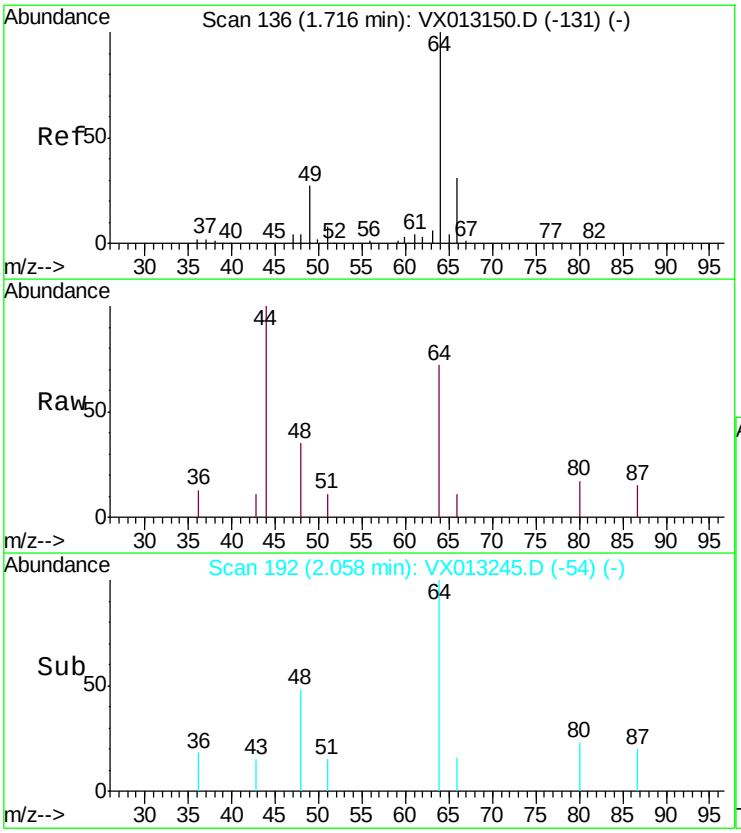
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Tgt Ion:128 Resp: 22150

Ion	Ratio	Lower	Upper
128	100		
49	135.3	0.0	367.3
130	129.2	0.0	325.0

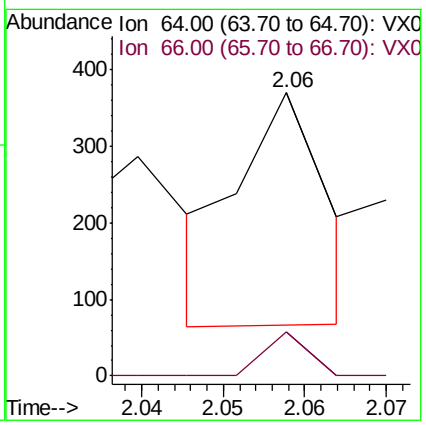


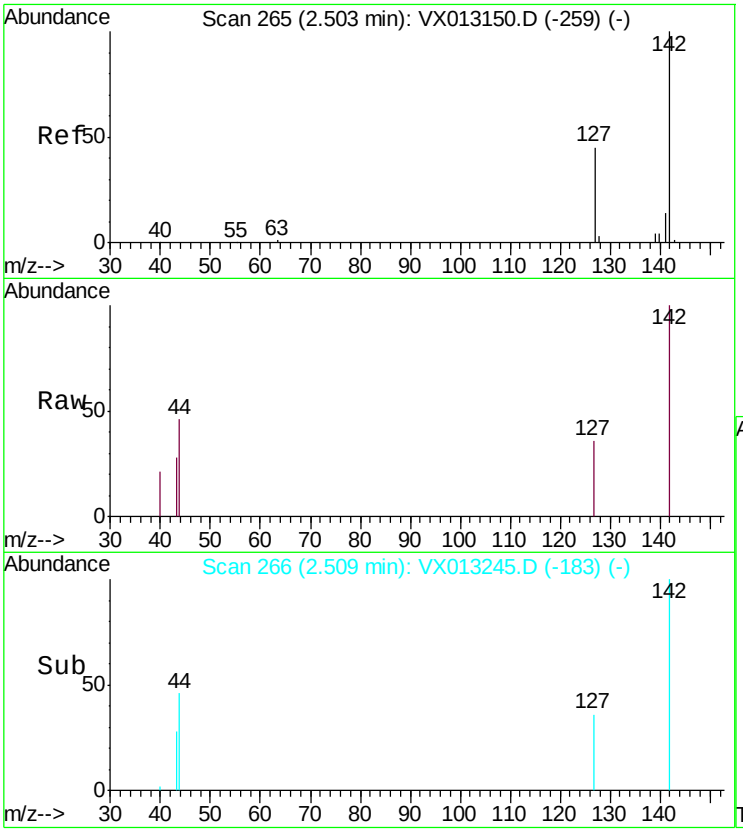


#6
Chloroethane
Concen: 0.249 ug/l
RT: 2.06 min Scan# 192
Delta R.T. 0.34 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 64 Resp: 228

Ion	Ratio	Lower	Upper
64	100		
66	36.0	25.4	38.2



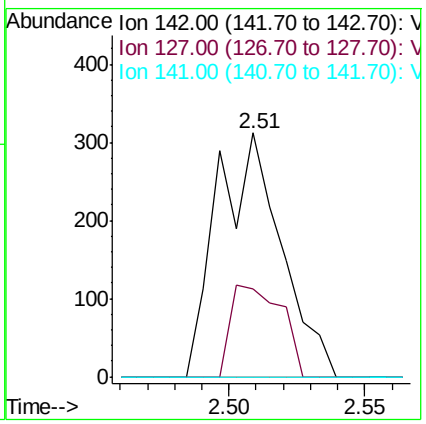


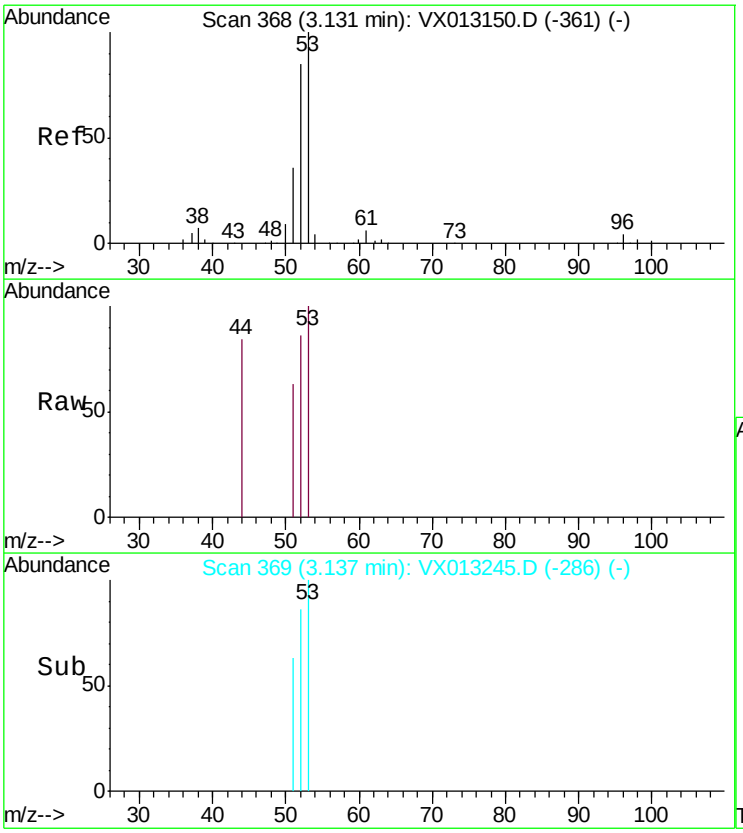
#11
Methyl Iodide
Concen: 0.291 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument : MSVOA_X
ClientSampleId : TT-TB-20191025

Tgt Ion:142 Resp: 510

Ion	Ratio	Lower	Upper
142	100		
127	35.9	22.3	66.9
141	0.0	7.1	21.3#

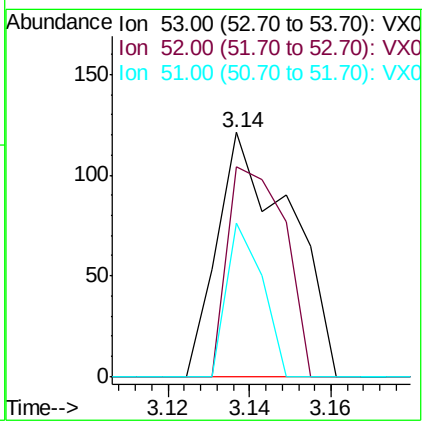


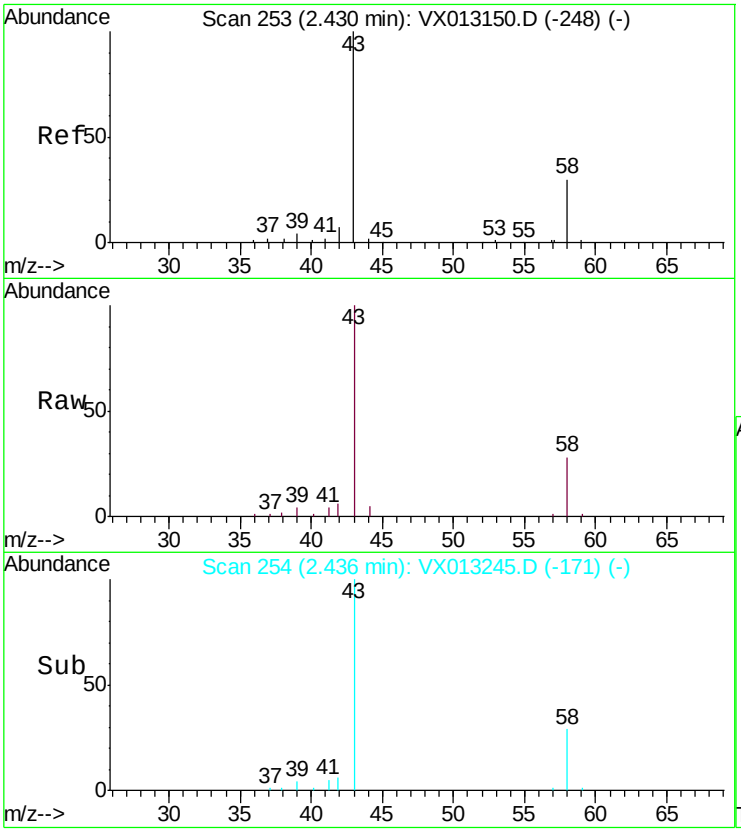


#14
Acrylonitrile
Concen: 0.204 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 53 Resp: 150

Ion	Ratio	Lower	Upper
53	100		
52	68.0	42.0	126.0
51	30.7	18.6	56.0



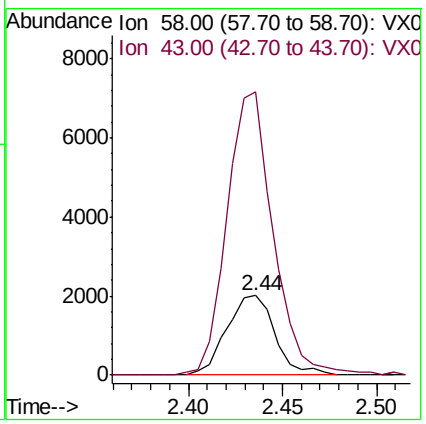


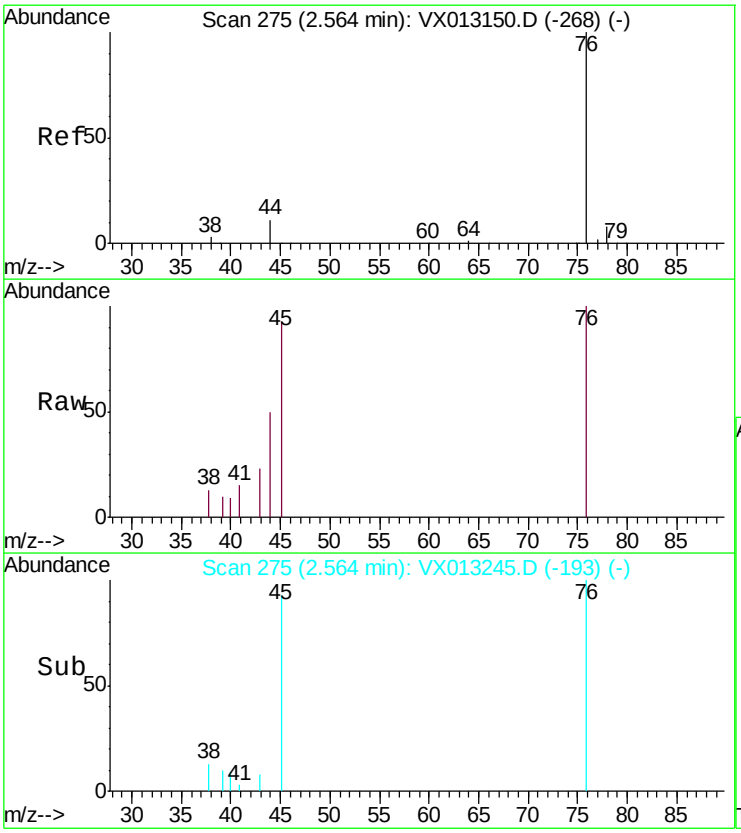
#15
Acetone
Concen: 14.783 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument : MSVOA_X
ClientSampleId : TT-TB-20191025

Tgt Ion: 58 Resp: 3574

Ion	Ratio	Lower	Upper
58	100		
43	351.5	262.8	394.2

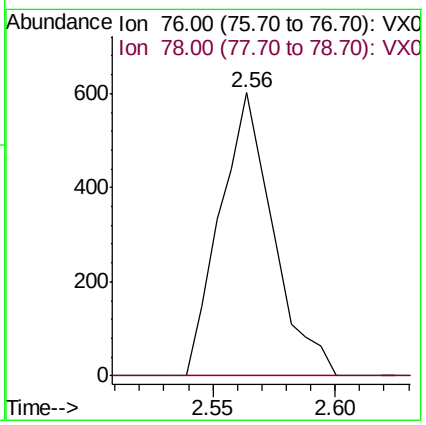


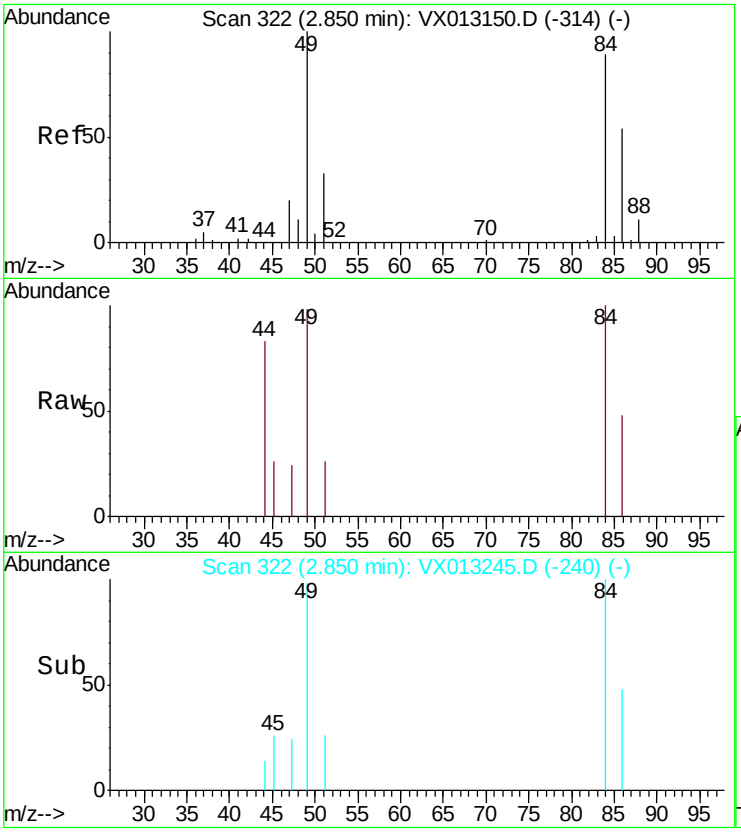


#16
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 76 Resp: 912

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	10.0#



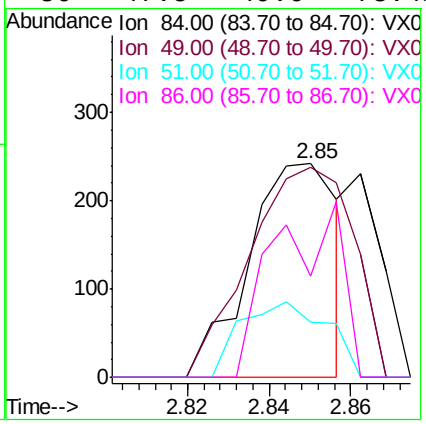


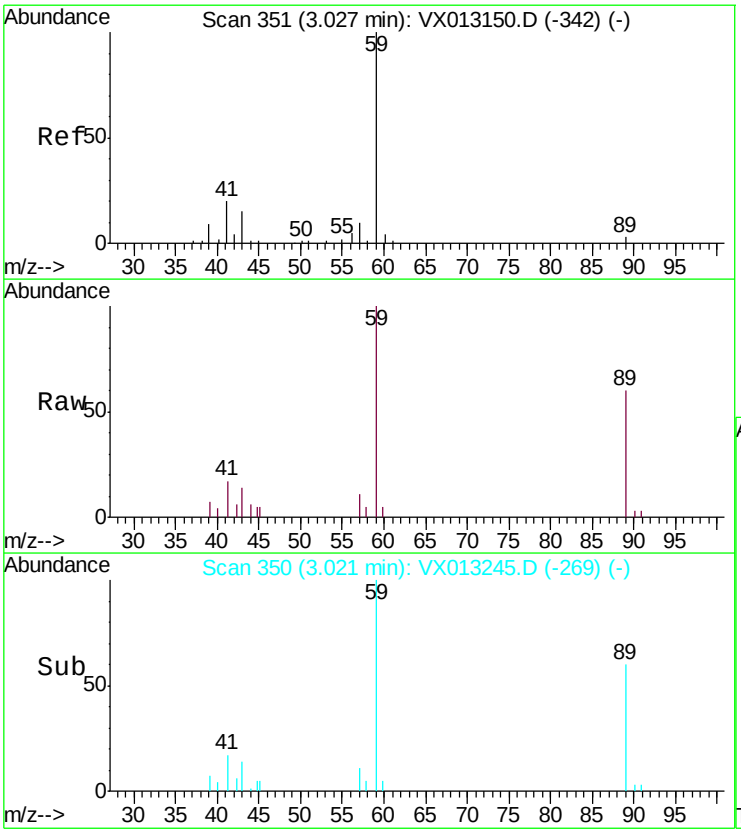
#18
Methylene Chloride
Concen: 0.235 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument : MSVOA_X
ClientSampleId : TT-TB-20191025

Tgt Ion: 84 Resp: 369

Ion	Ratio	Lower	Upper
84	100		
49	98.3	90.3	135.5
51	25.6	29.9	44.9#
86	47.5	49.0	73.4#

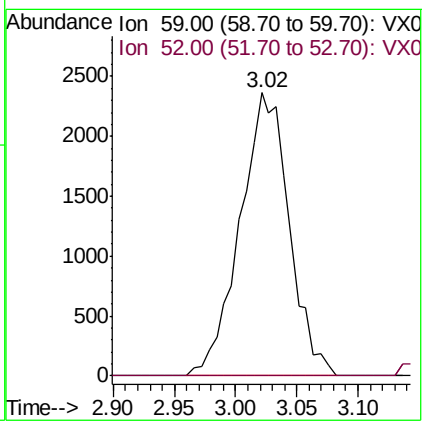


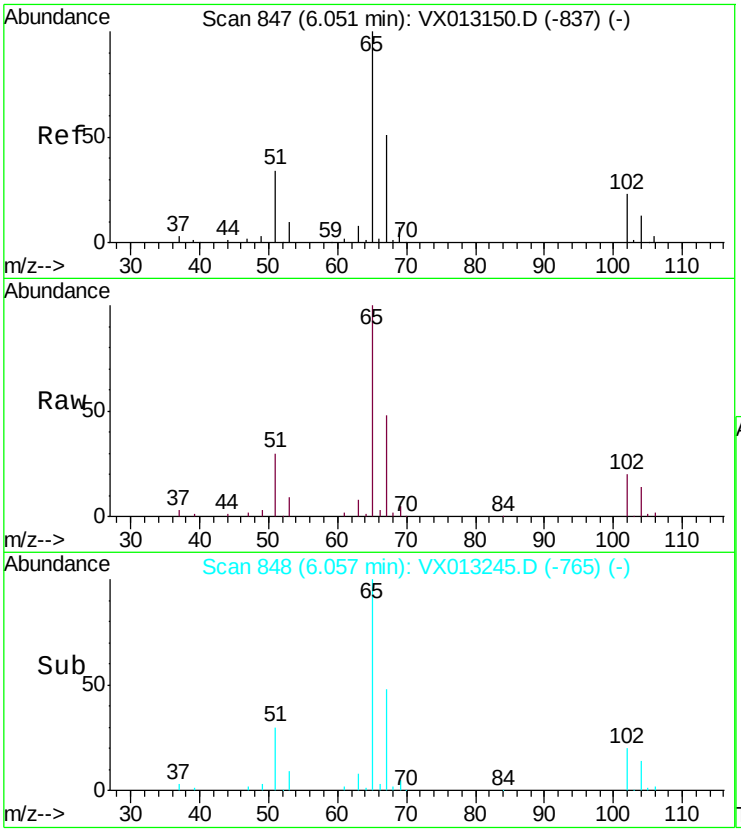


#23
tert-Butyl Alcohol
Concen: 17.081 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 59 Resp: 6604

Ion	Ratio	Lower	Upper
59	100		
52	1.5	0.0	0.0#



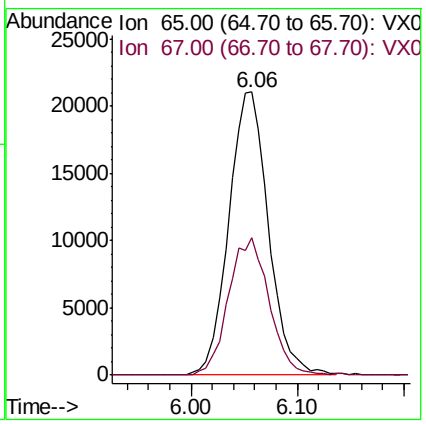


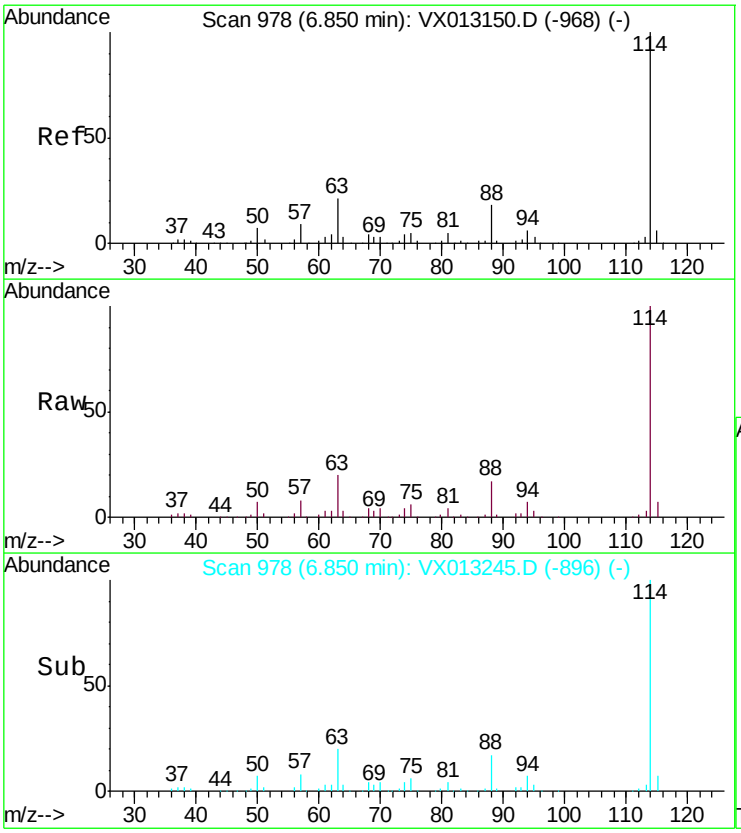
#27
1,2-Dichloroethane-d4
Concen: 31.561 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Tgt Ion: 65 Resp: 55033

Ion	Ratio	Lower	Upper
65	100		
67	49.3	42.2	63.4

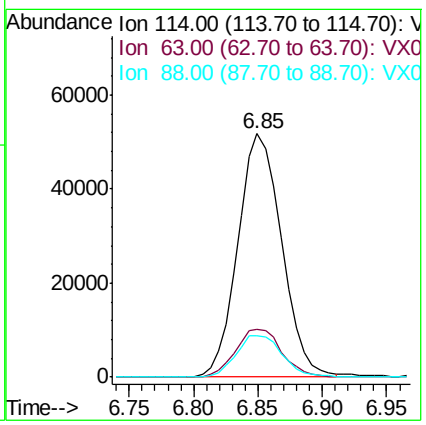


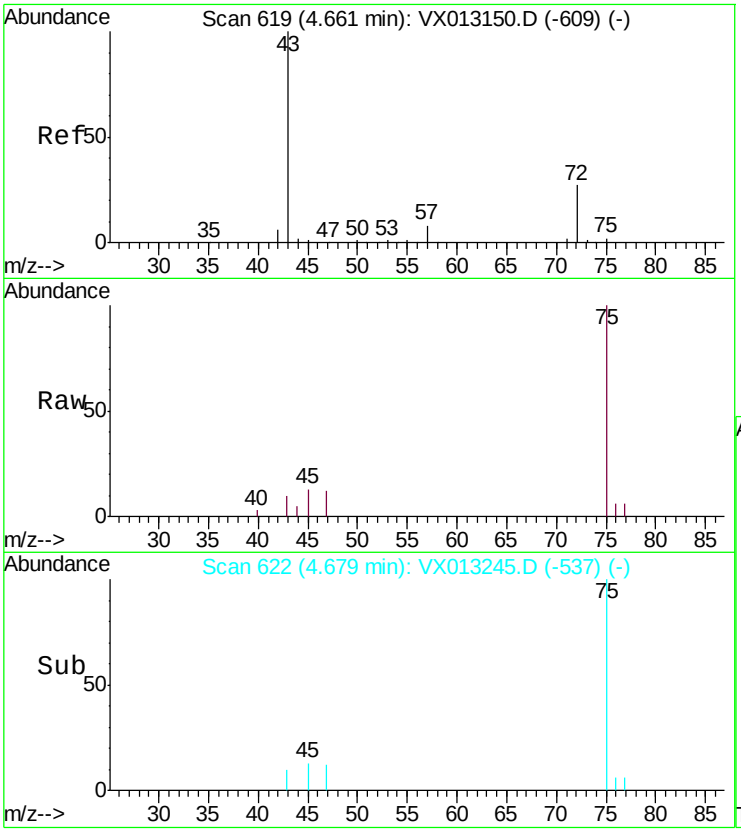


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion:114 Resp: 122246

Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.1	24.1
88	17.9	13.7	20.5



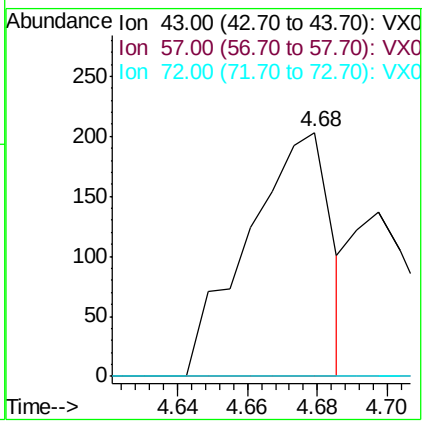


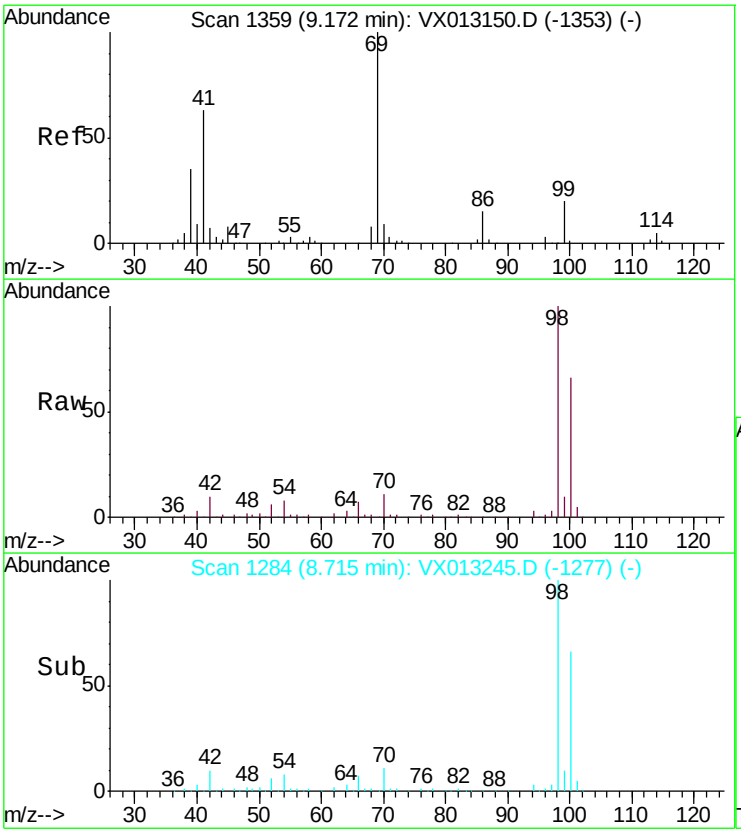
#30
2-Butanone
Concen: 0.337 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Tgt Ion: 43 Resp: 336

Ion	Ratio	Lower	Upper
43	100		
57	0.0	7.0	10.6#
72	0.0	23.4	35.2#

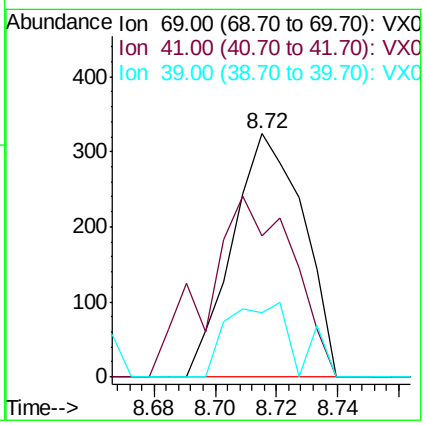


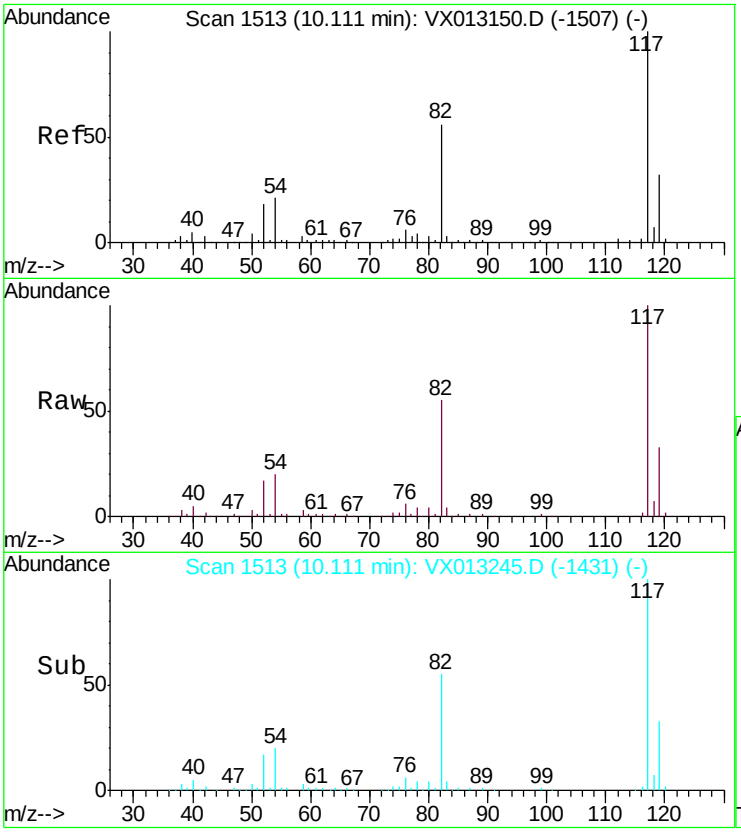


#51
Ethyl methacrylate
Concen: 0.235 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. -0.46 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 69 Resp: 521

Ion	Ratio	Lower	Upper
69	100		
41	58.0	31.6	95.0
39	26.2	17.7	53.1



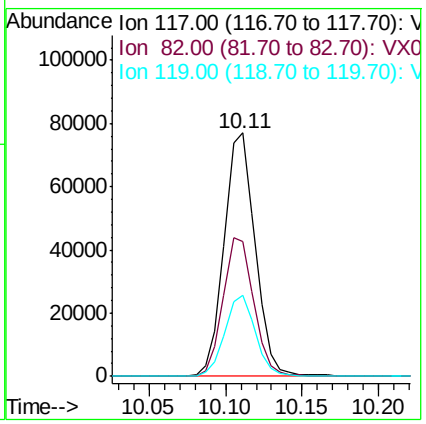


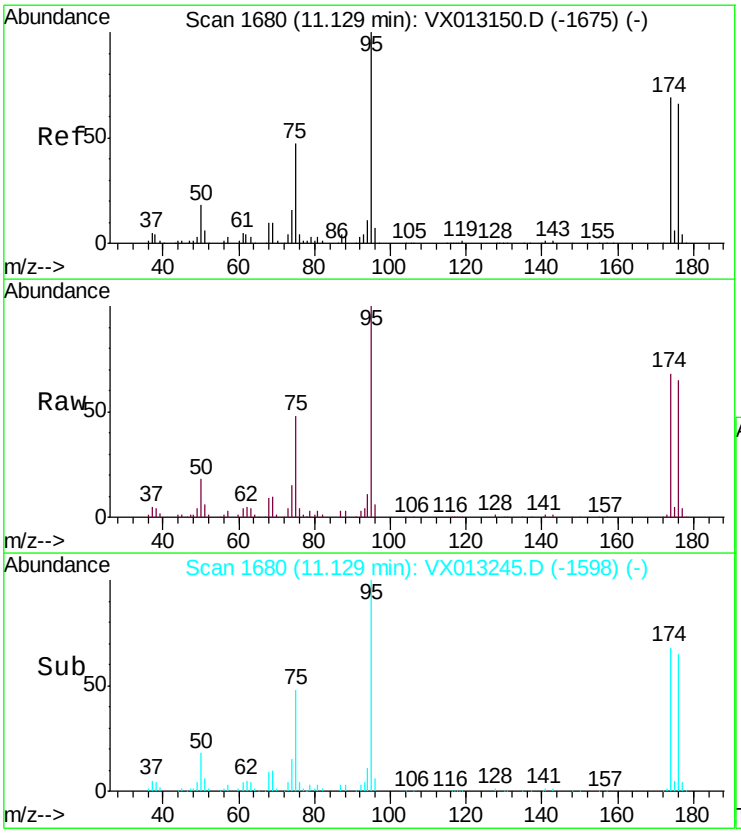
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument : MSVOA_X
ClientSampleId : TT-TB-20191025

Tgt Ion:117 Resp: 108325

Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.0	69.0
119	32.8	25.4	38.0

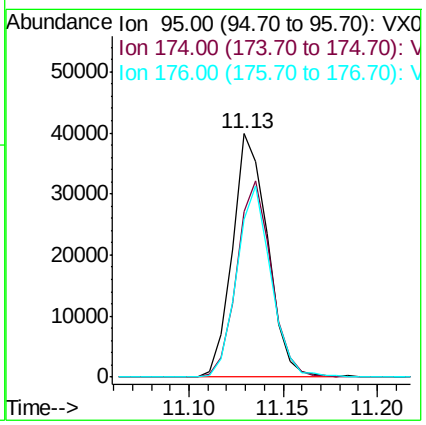


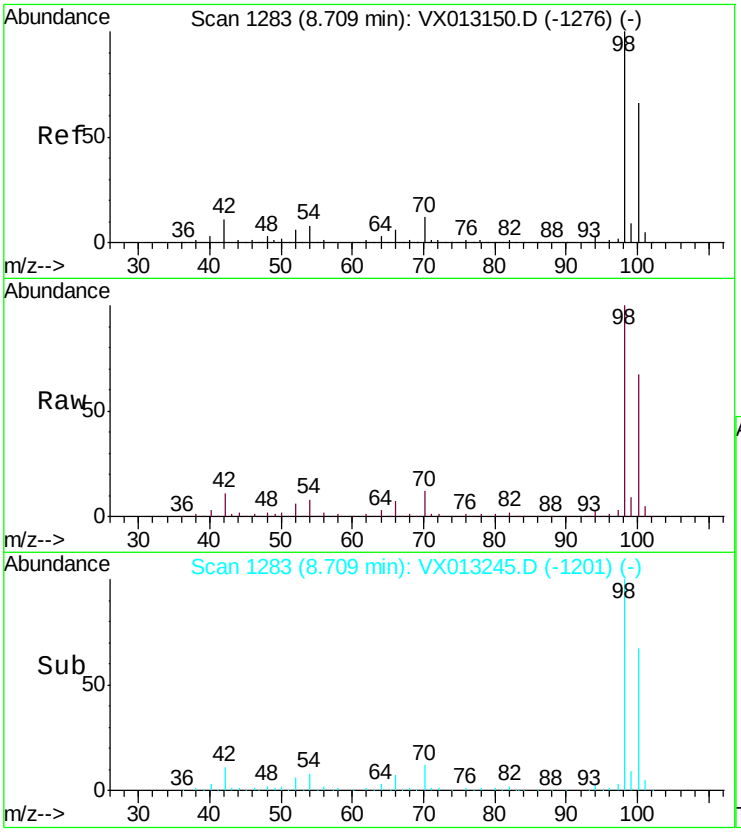


#60
4-Bromofluorobenzene
Concen: 27.265 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 95 Resp: 51430

Ion	Ratio	Lower	Upper
95	100		
174	79.2	60.0	90.0
176	76.5	58.5	87.7



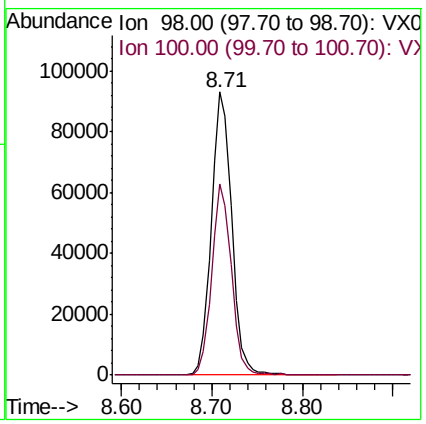


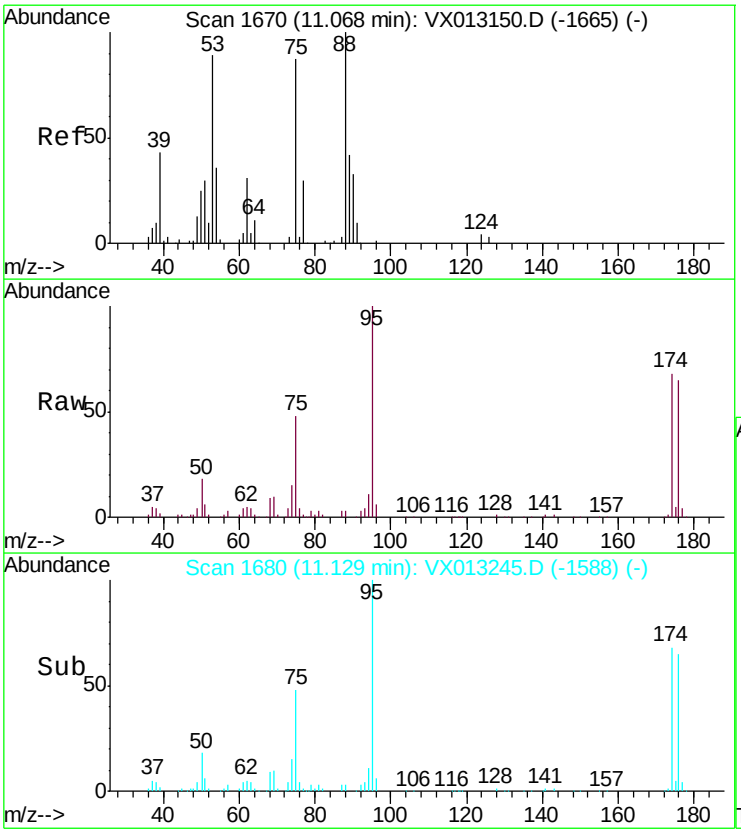
#63
Toluene-d8
Concen: 30.700 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Tgt Ion: 98 Resp: 147910

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.1	79.7

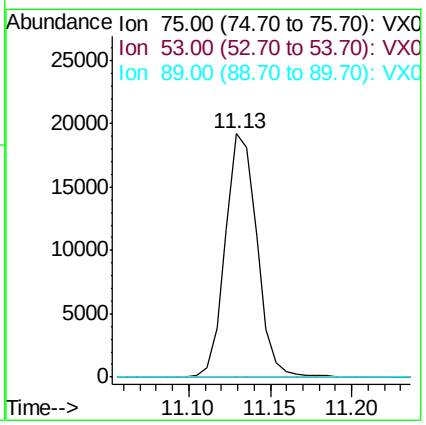


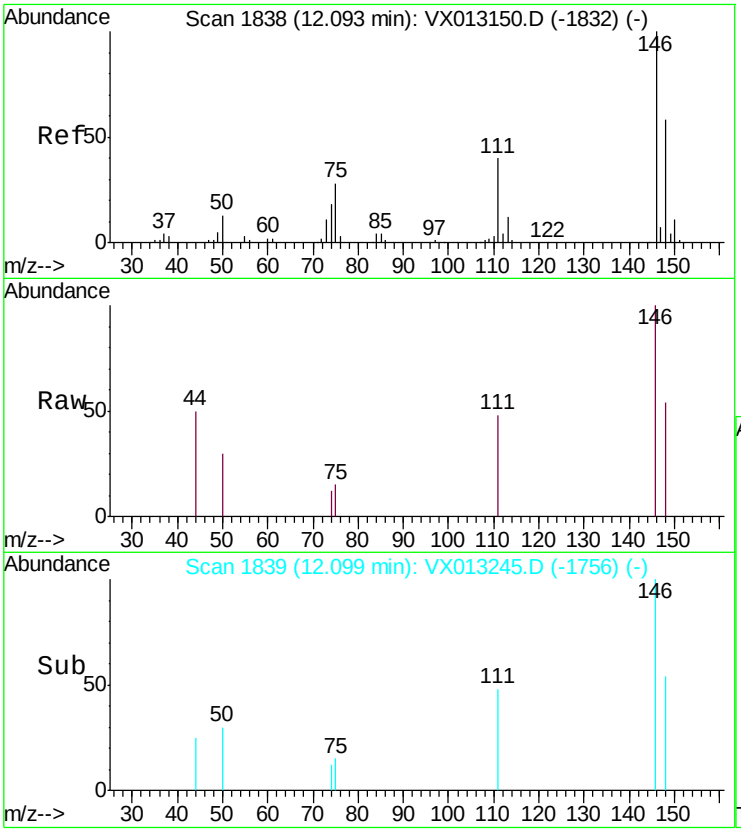


#77
t-1,4-Dichloro-2-butene
Concen: 37.384 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion: 75 Resp: 25884

Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.1	153.4#
89	0.0	24.1	72.4#



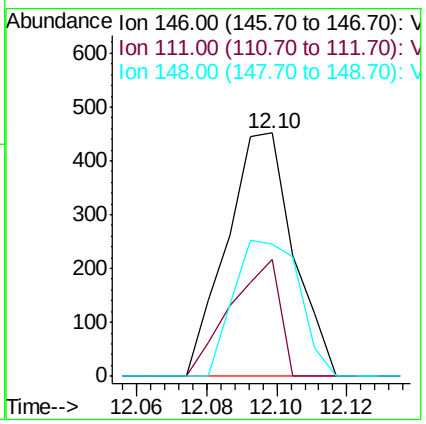


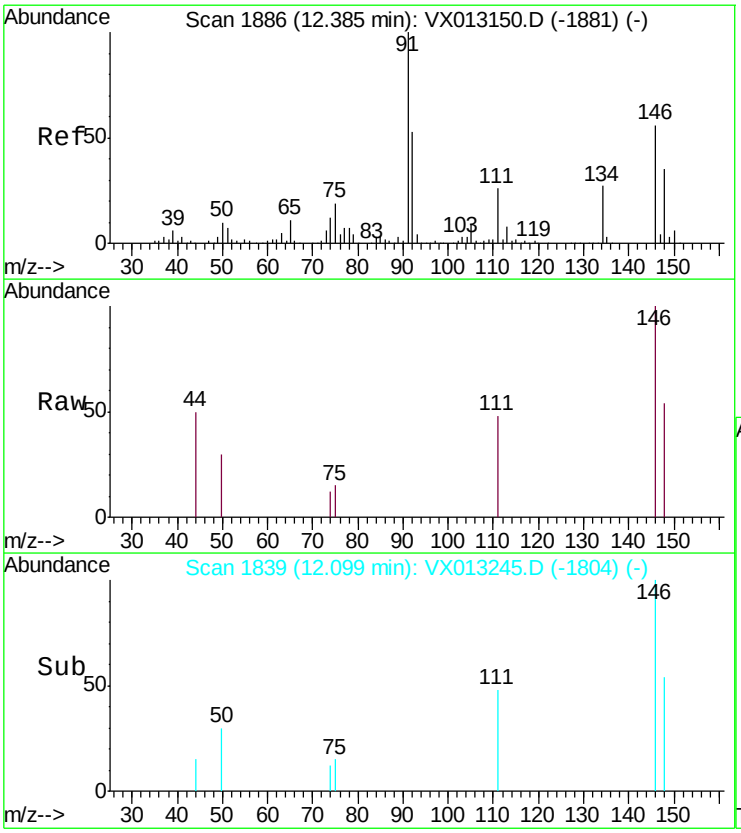
#84
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 12.10 min Scan# 1839
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Tgt Ion:146 Resp: 600

Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.3	60.9
148	55.2	31.4	94.2

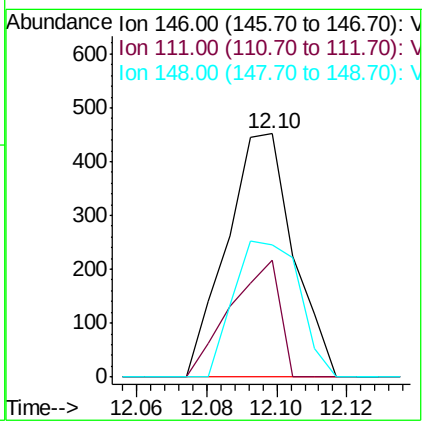


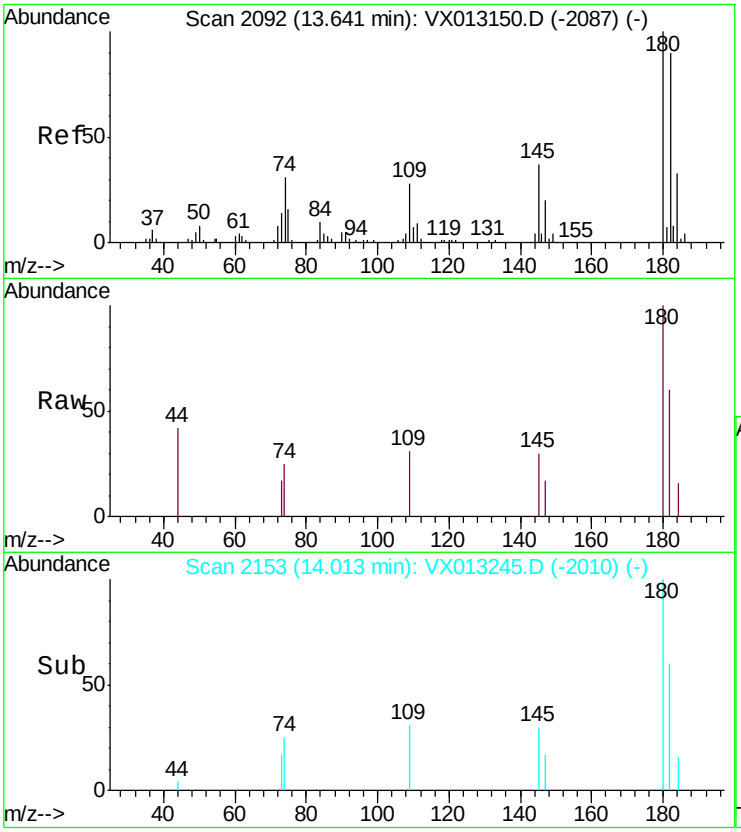


#87
1,2-Dichlorobenzene
Concen: 0.211 ug/l
RT: 12.10 min Scan# 1839
Delta R.T. -0.29 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion:146 Resp: 600

Ion	Ratio	Lower	Upper
146	100		
111	35.5	22.5	67.5
148	55.2	31.4	94.2



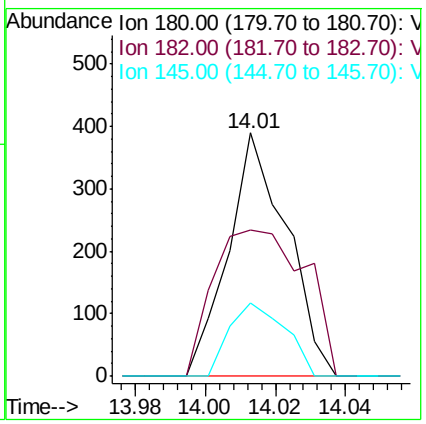


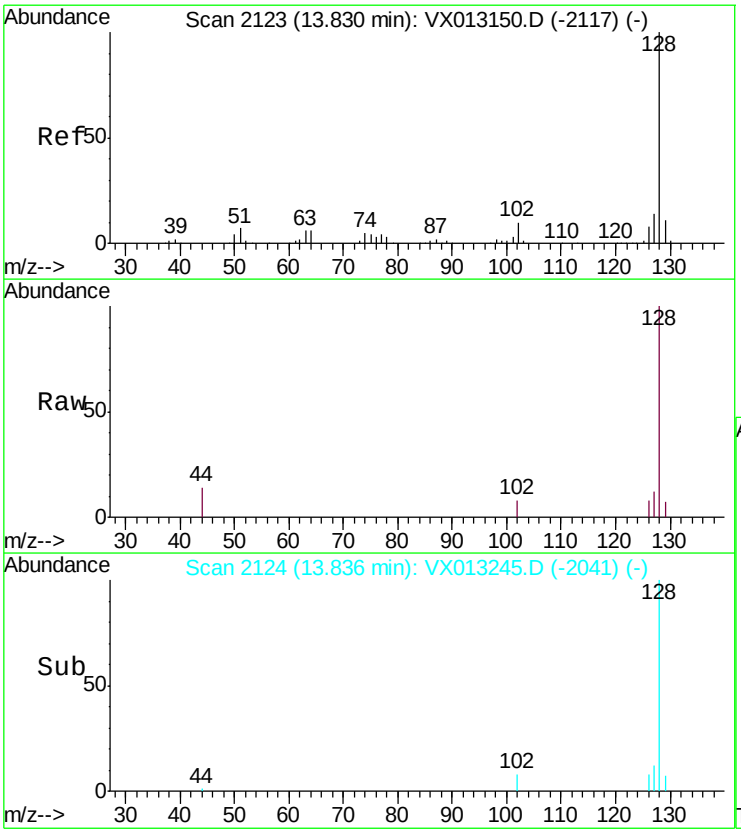
#89
1,2,4-Trichlorobenzene
Concen: 0.256 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.37 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument : MSVOA_X
ClientSampleId : TT-TB-20191025

Tgt Ion:180 Resp: 453

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
145	28.7	27.4	41.2

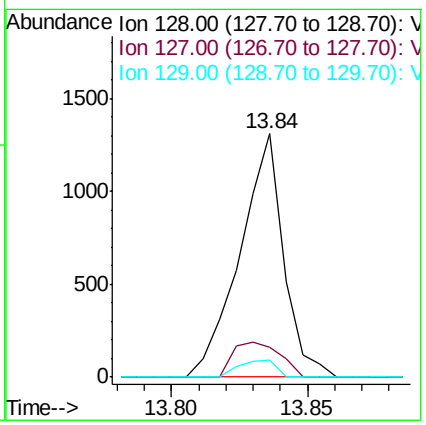


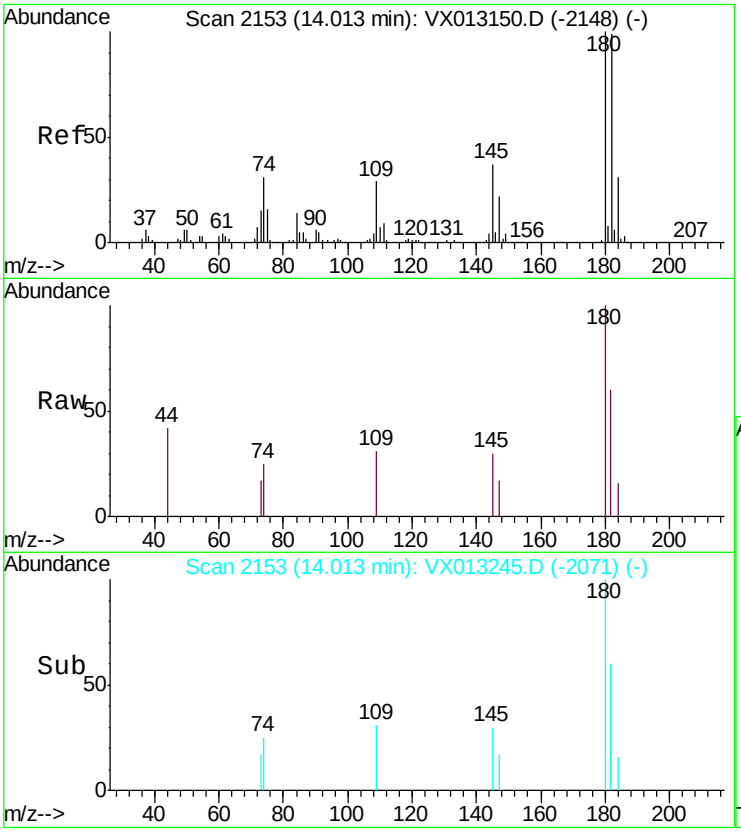


#91
Naphthalene
Concen: 0.254 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Tgt Ion:128 Resp: 1462

Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.5	15.7
129	5.9	8.6	12.8#





#92
1,2,3-Trichlorobenzene
Concen: 0.250 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013245.D
Acq: 28 Oct 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191025

Tgt Ion:180 Resp: 453

Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	194.4
145	28.7	0.0	71.2