Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016958.D
Acq On : 25 Jun 2020 16:59
Operator : JC/SP
Sample : L3125-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TW-2

Quant Time: Jun 26 09:08:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	4.98	128	38060	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.83	114	219890	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.10	117	190722	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.04	65	88102	29.74	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.13%				
60) 4-Bromofluorobenzene	11.12	95	89290	28.07	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.57%				
63) Toluene-d8	8.70	98	254004	30.21	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.70%				
Target Compounds							Qvalue
3) Chloromethane	1.30	50	46157	18.391	ug/l	#	42
5) Bromomethane	1.64	94	3343	1.814	ug/l		92
6) Chloroethane	2.16	64	474	0.287	ug/l	#	42
11) Methyl Iodide	2.50	142	7555	2.597	ug/l		98
13) Acrolein	2.37	56	238	0.549	ug/l		89
14) Acrylonitrile	3.12	53	304	0.234	ug/l	#	50
15) Acetone	2.42	58	27987	83.080	ug/l		98
16) Carbon Disulfide	2.55	76	150290	21.942	ug/l		98
23) tert-Butyl Alcohol	3.00	59	408	0.708	ug/l	#	100
25) Chloroform	5.18	83	9231	2.026	ug/l	#	79
30) 2-Butanone	4.64	43	4874	2.610	ug/l	#	58
45) 1,4-Dioxane	7.80	88	44	0.684	ug/l	#	1
58) 4-Methyl-2-Pentanone	8.62	43	871	0.248	ug/l	#	84
62) Toluene	8.76	91	4817	0.462	ug/l		96
66) Ethyl Benzene	10.23	91	3966	0.343	ug/l	#	85
67) m/p-Xylenes	10.34	106	7374	1.690	ug/l		96
68) o-Xylene	10.68	106	5210	1.243	ug/l		97
74) n-propylbenzene	11.34	91	5117	0.379	ug/l		100
75) 2-Chlorotoluene	11.42	91	2828	0.359	ug/l		59
76) 1,3,5-Trimethylbenzene	11.49	105	5691	0.596	ug/l		99
80) 1,2,4-Trimethylbenzene	11.79	105	20667	2.157	ug/l		99
85) n-Butylbenzene	12.37	91	2032	0.220	ug/l		87
89) 1,2,4-Trichlorobenzene	13.63	180	982	0.302	ug/l	#	90
90) Hexachlorobutadiene	13.77	225	519	0.420	ug/l		79
91) Naphthalene	13.82	128	79925	7.509	ug/l		99
92) 1,2,3-Trichlorobenzene	14.01	180	797	0.252	ug/l		97

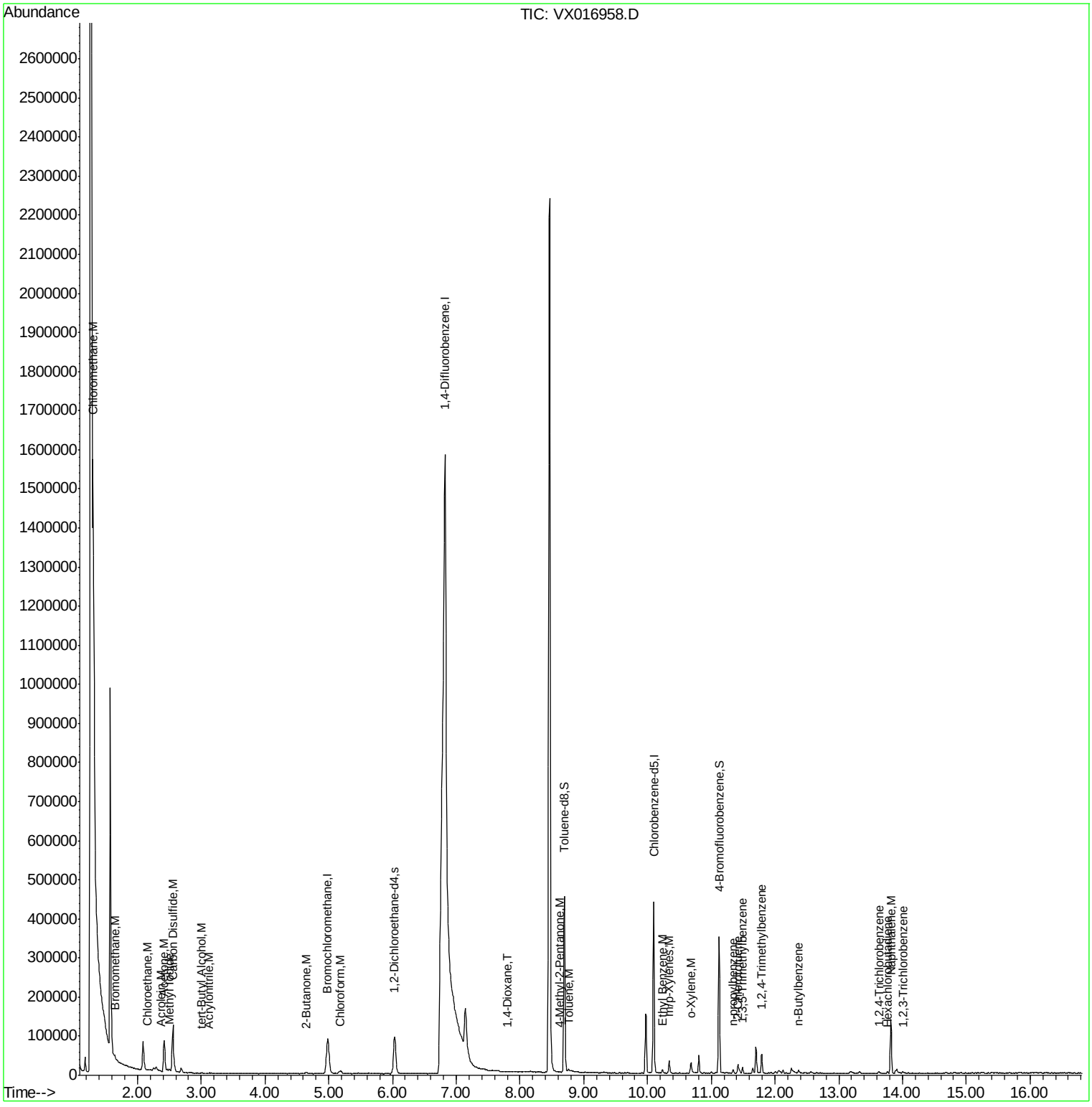
(#) = qualifier out of range (m) = manual integration (+) = signals summed

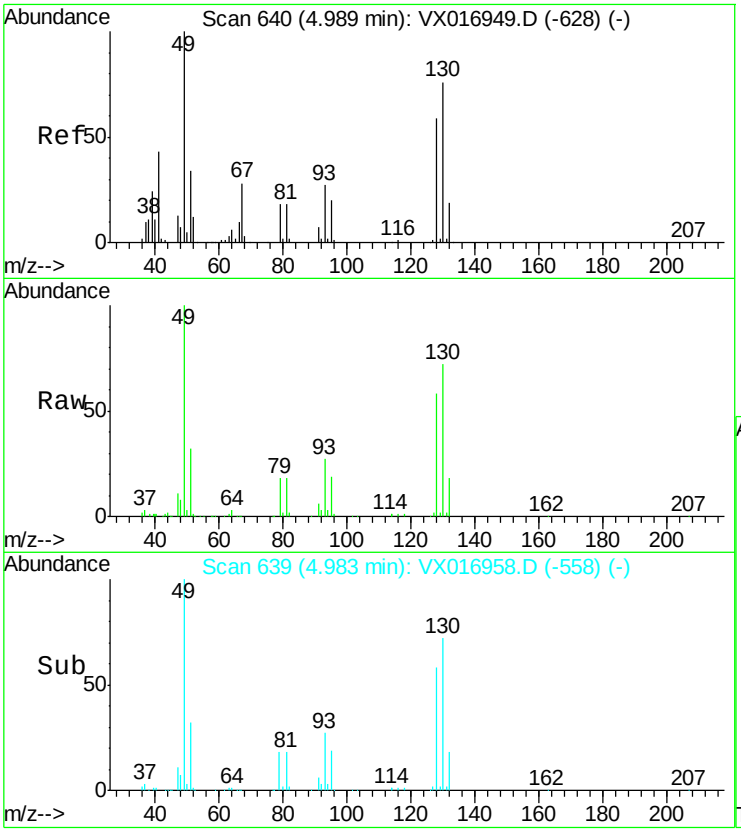
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016958.D
Acq On : 25 Jun 2020 16:59
Operator : JC/SP
Sample : L3125-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Quant Time: Jun 26 09:08:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration



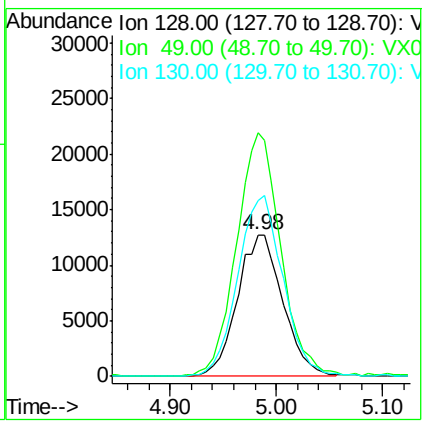


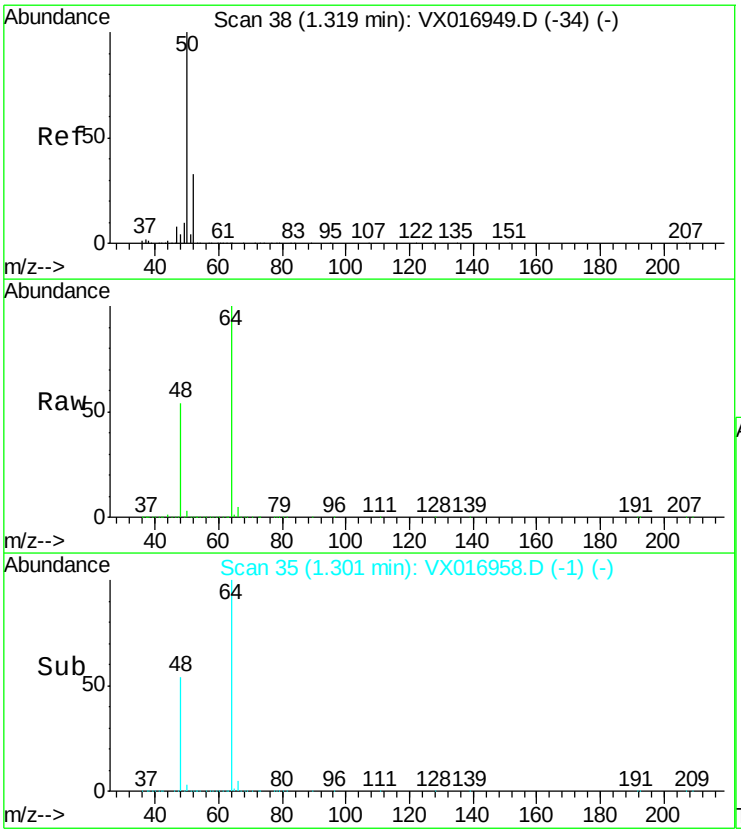
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion:128 Resp: 38060

Ion	Ratio	Lower	Upper
128	100		
49	167.4	0.0	428.0
130	127.1	0.0	318.0

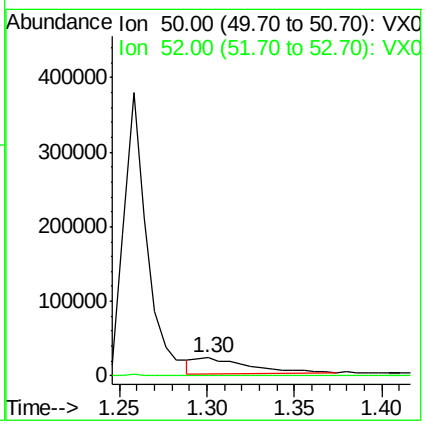


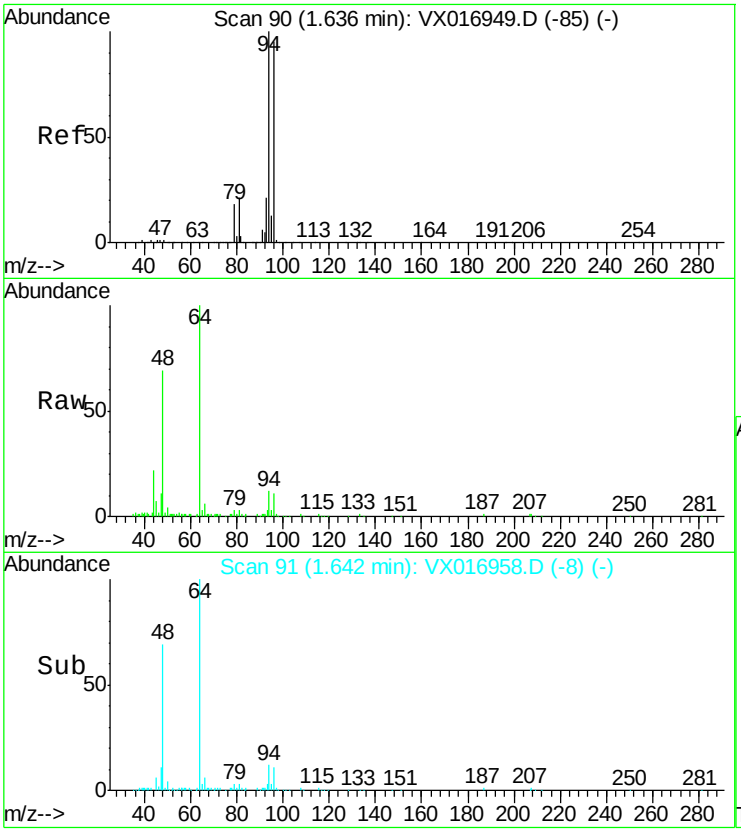


#3
Chloromethane
Concen: 18.391 ug/l
RT: 1.30 min Scan# 35
Delta R.T. -0.02 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 50 Resp: 46157

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.5	39.7#



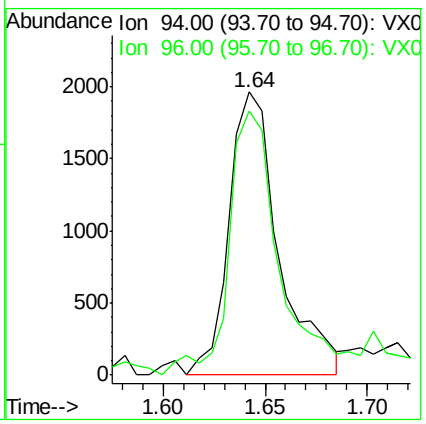


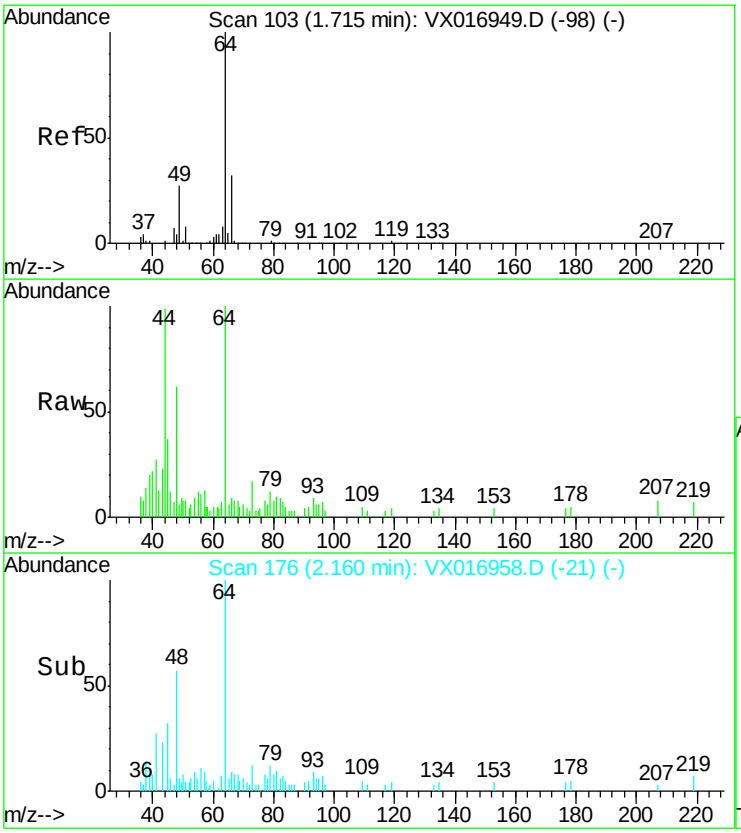
#5
Bromomethane
Concen: 1.814 ug/l
RT: 1.64 min Scan# 91
Delta R.T. 0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 94 Resp: 3343

Ion	Ratio	Lower	Upper
94	100		
96	86.2	75.5	113.3

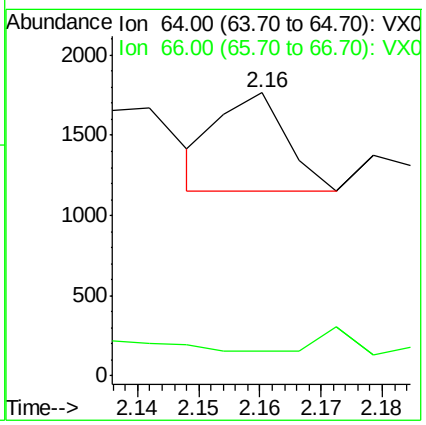


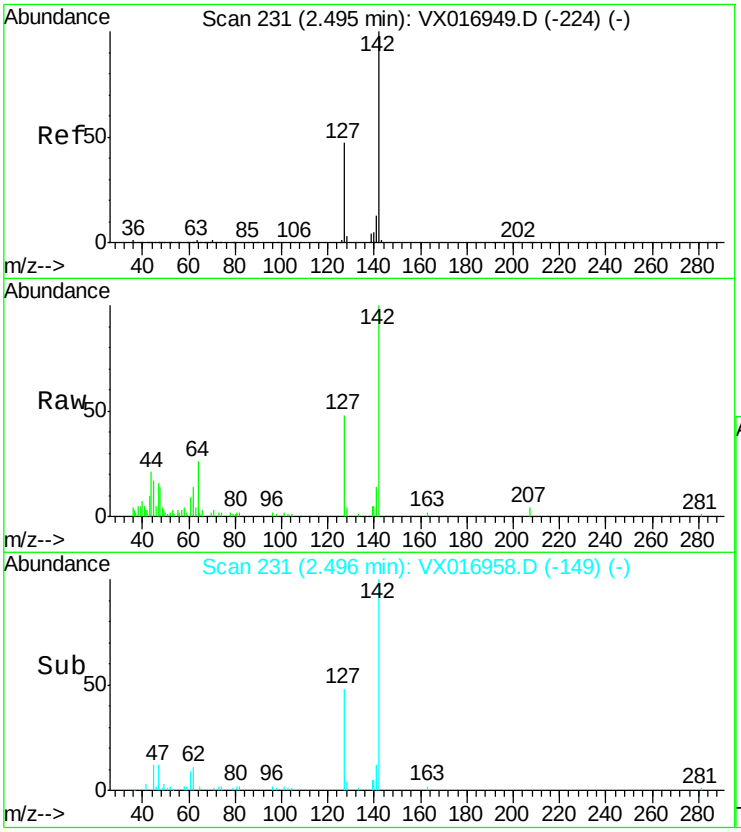


#6
Chloroethane
Concen: 0.287 ug/l
RT: 2.16 min Scan# 176
Delta R.T. 0.45 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 64 Resp: 474

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.1	39.1#



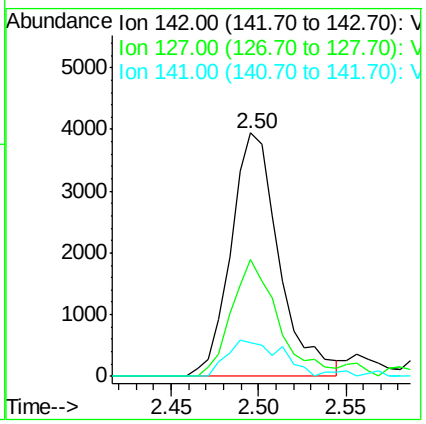


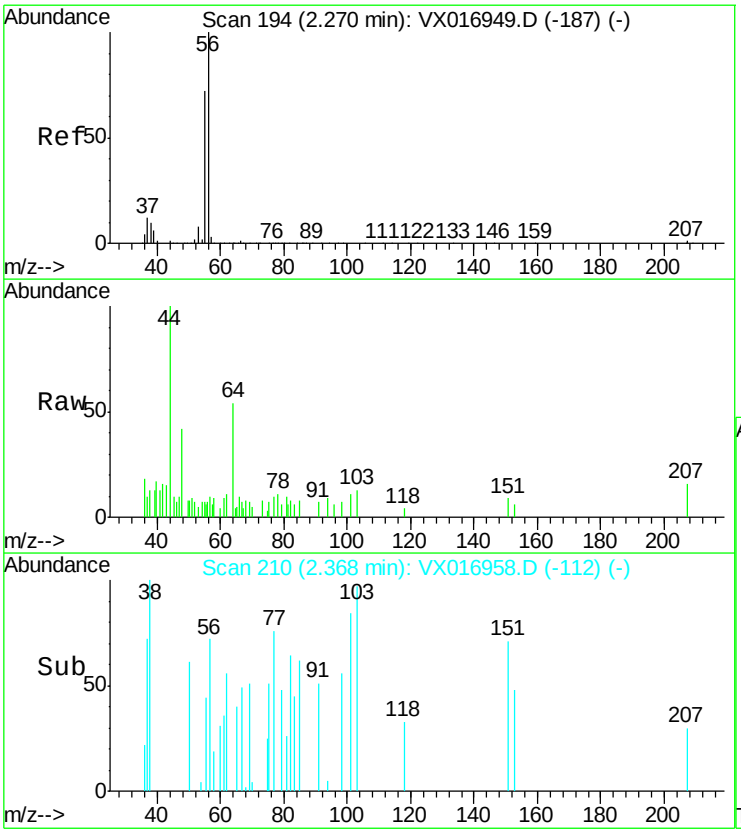
#11
Methyl Iodide
Concen: 2.597 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument : MSVOA_X
ClientSampleId : TW-2

Tgt Ion:142 Resp: 7555

Ion	Ratio	Lower	Upper
142	100		
127	48.1	23.3	69.9
141	13.4	6.7	20.1

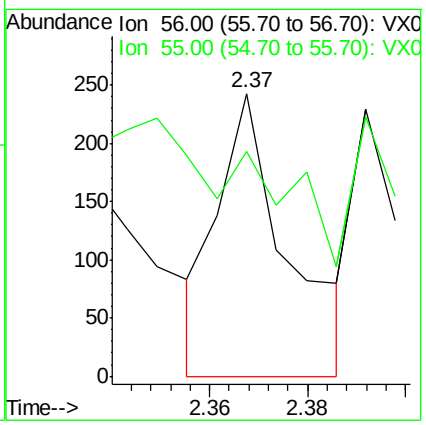


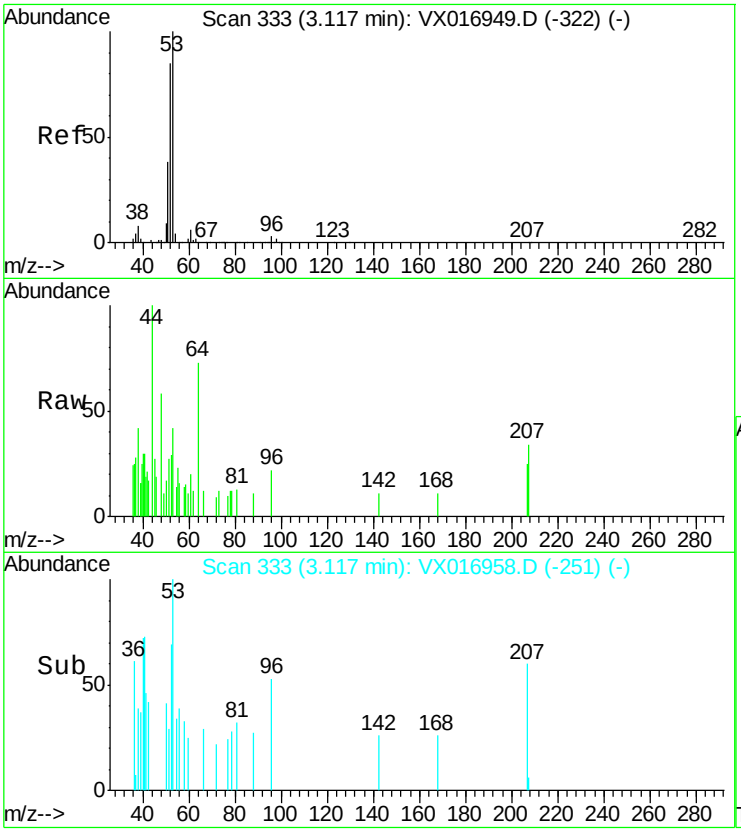


#13
Acrolein
Concen: 0.549 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.10 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 56 Resp: 238

Ion	Ratio	Lower	Upper
56	100		
55	60.9	56.2	84.4



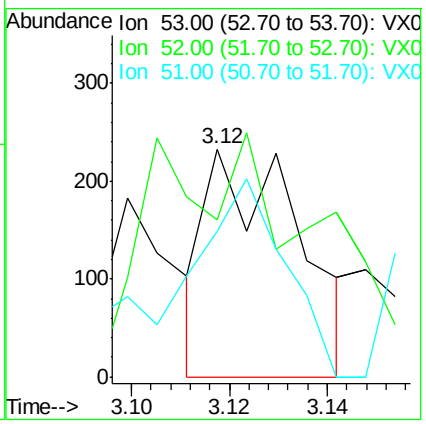


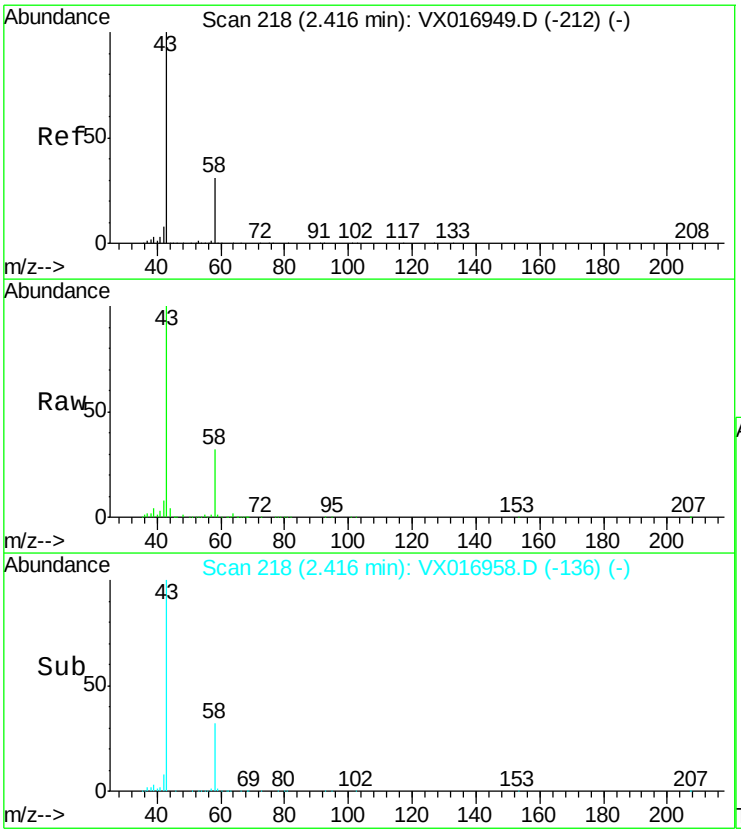
#14
Acrylonitrile
Concen: 0.234 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 53 Resp: 304

Ion	Ratio	Lower	Upper
53	100		
52	45.7	40.6	121.8
51	80.6	18.4	55.4#

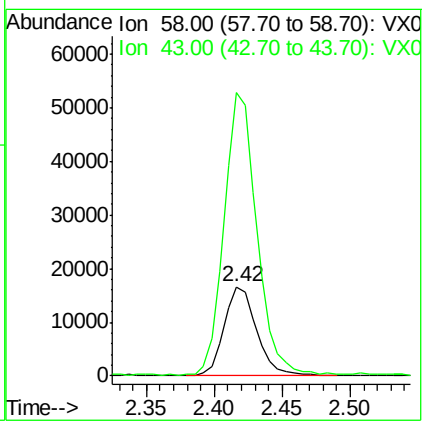


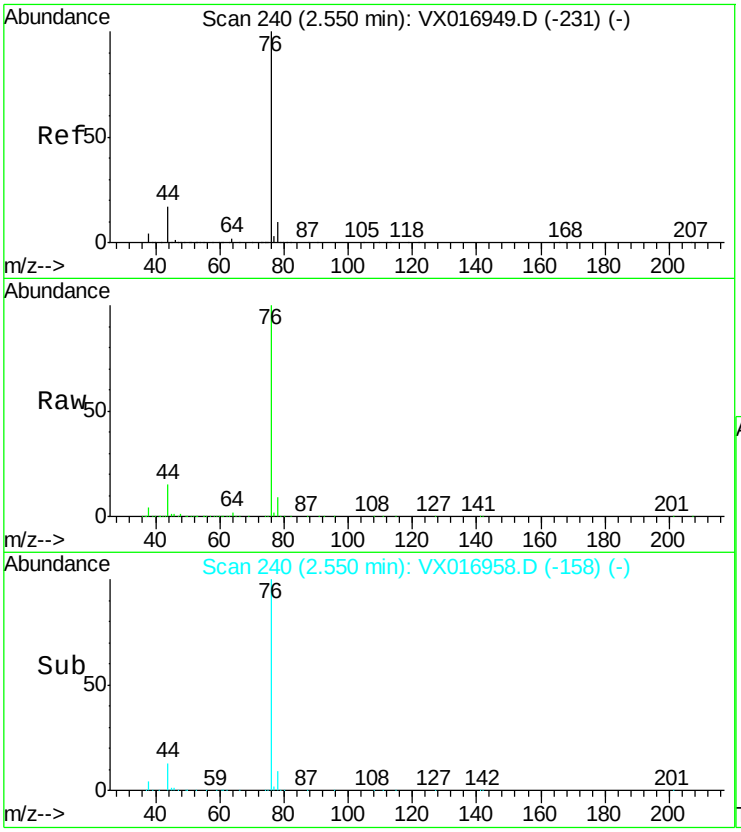


#15
Acetone
Concen: 83.080 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 58 Resp: 27987

Ion	Ratio	Lower	Upper
58	100		
43	317.8	257.6	386.4



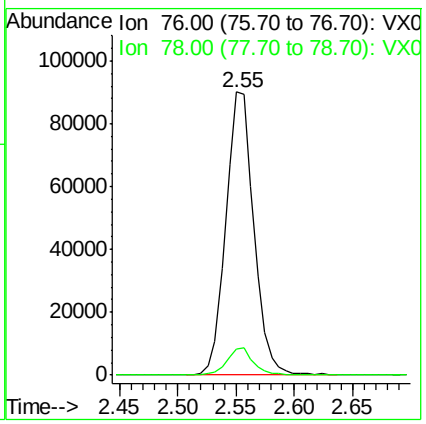


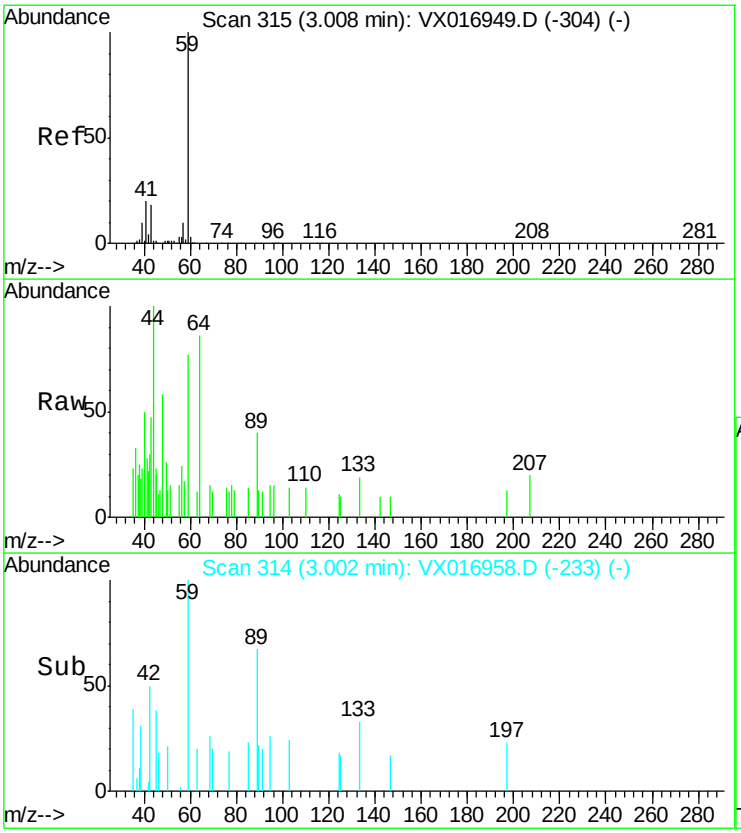
#16
Carbon Disulfide
Concen: 21.942 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 76 Resp: 150290

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

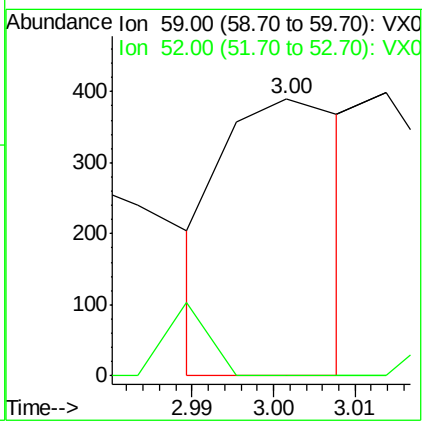


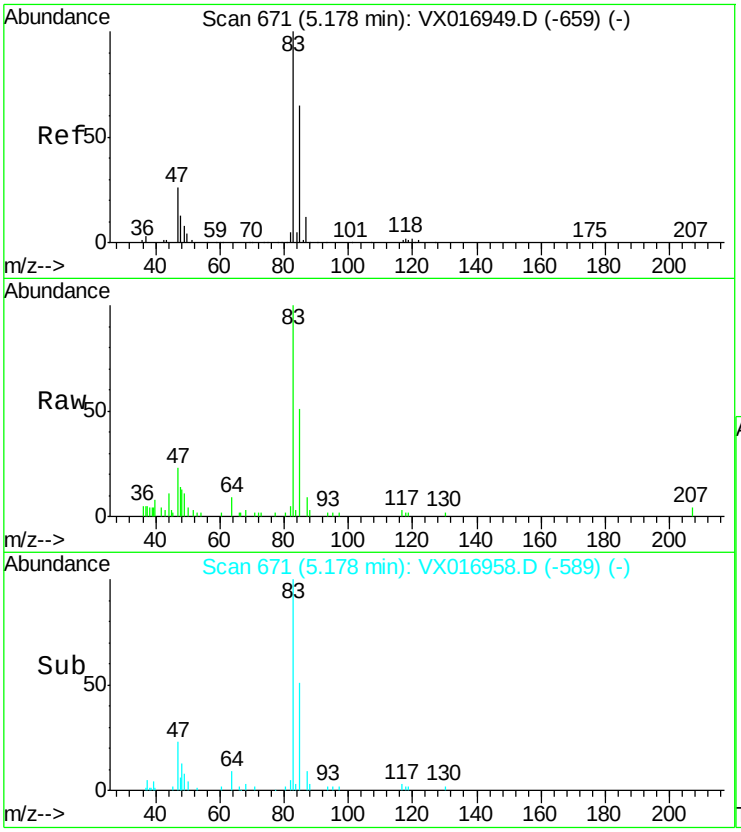


#23
tert-Butyl Alcohol
Concen: 0.708 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 59 Resp: 408

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#



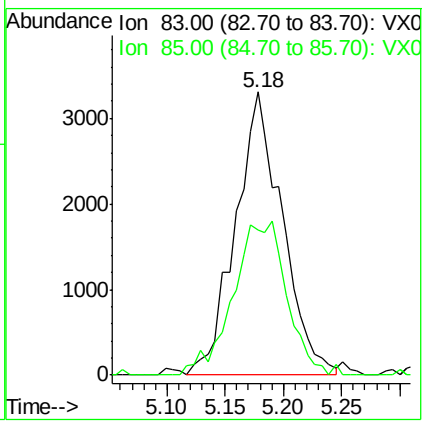


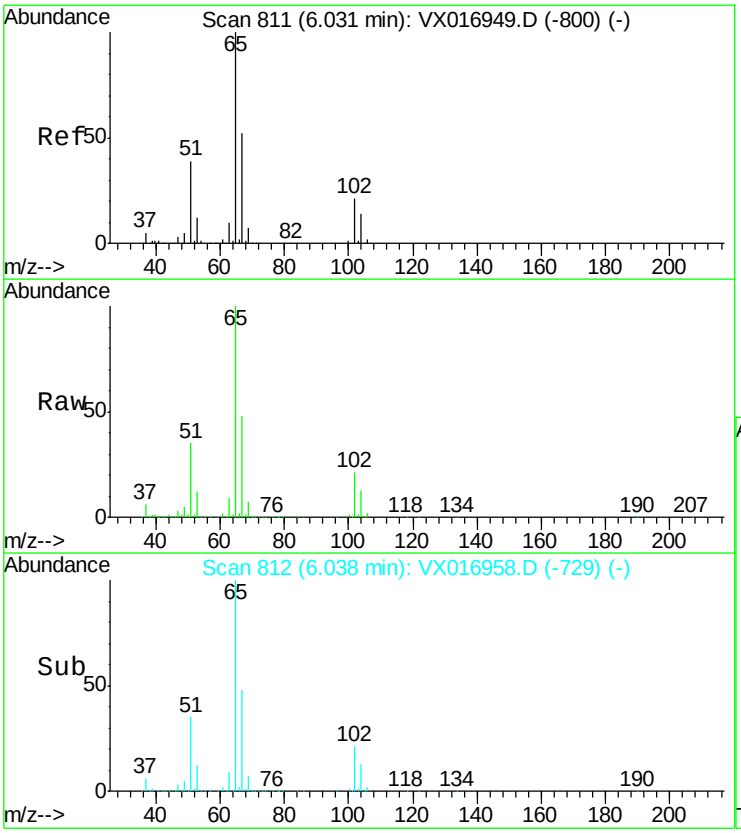
#25
Chloroform
Concen: 2.026 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 83 Resp: 9231

Ion	Ratio	Lower	Upper
83	100		
85	48.2	52.1	78.1#

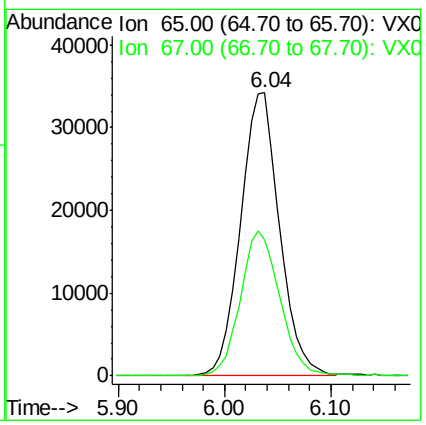


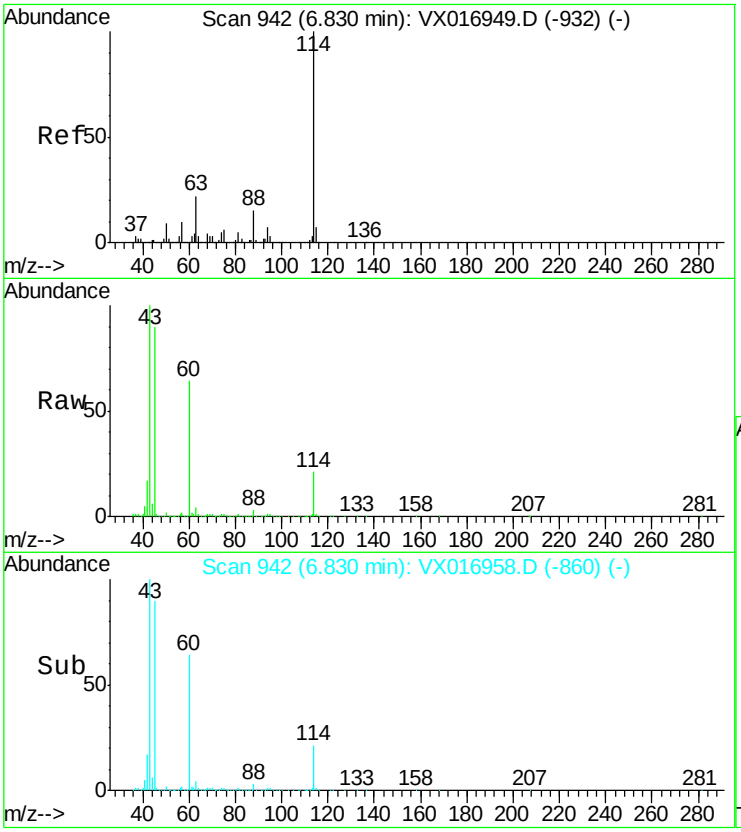


#27
1,2-Dichloroethane-d4
Concen: 29.740 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 65 Resp: 88102

Ion	Ratio	Lower	Upper
65	100		
67	51.8	41.5	62.3



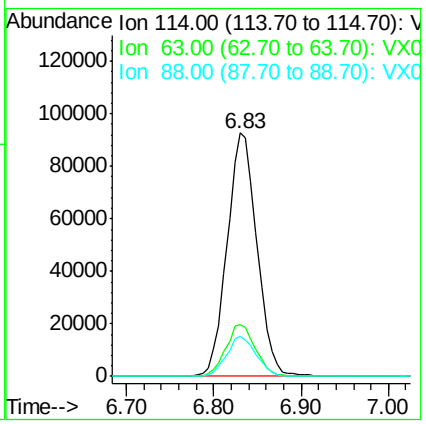


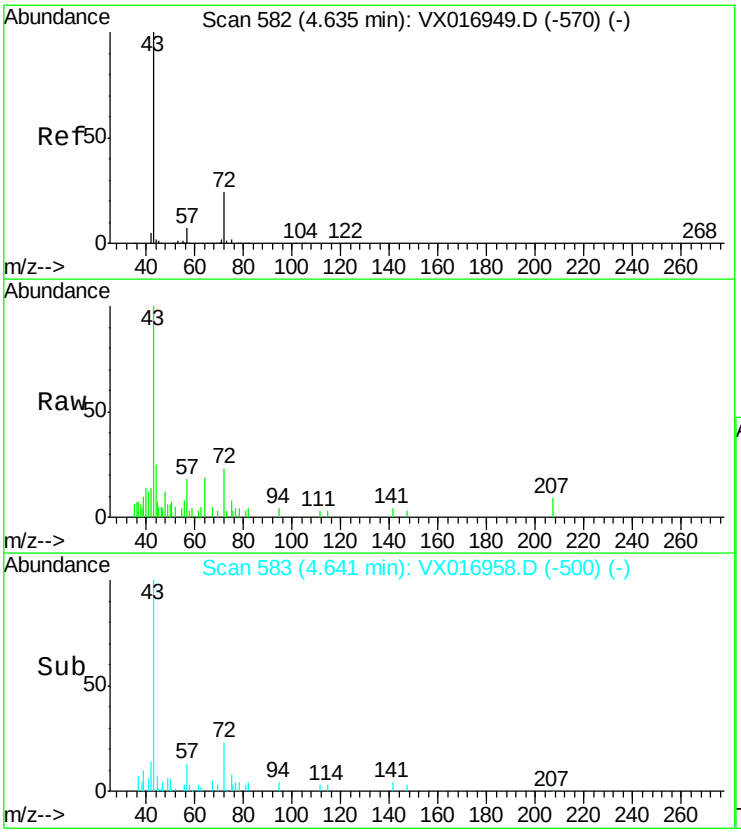
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion:114 Resp: 219890

Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.4	26.2
88	16.3	13.0	19.6

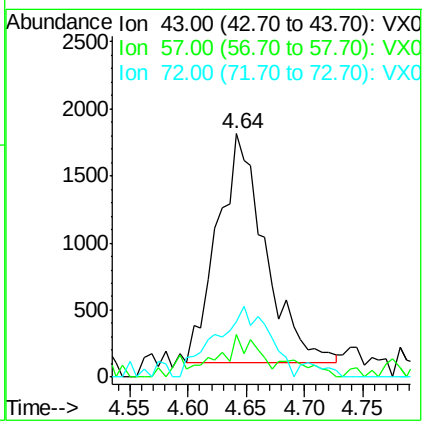


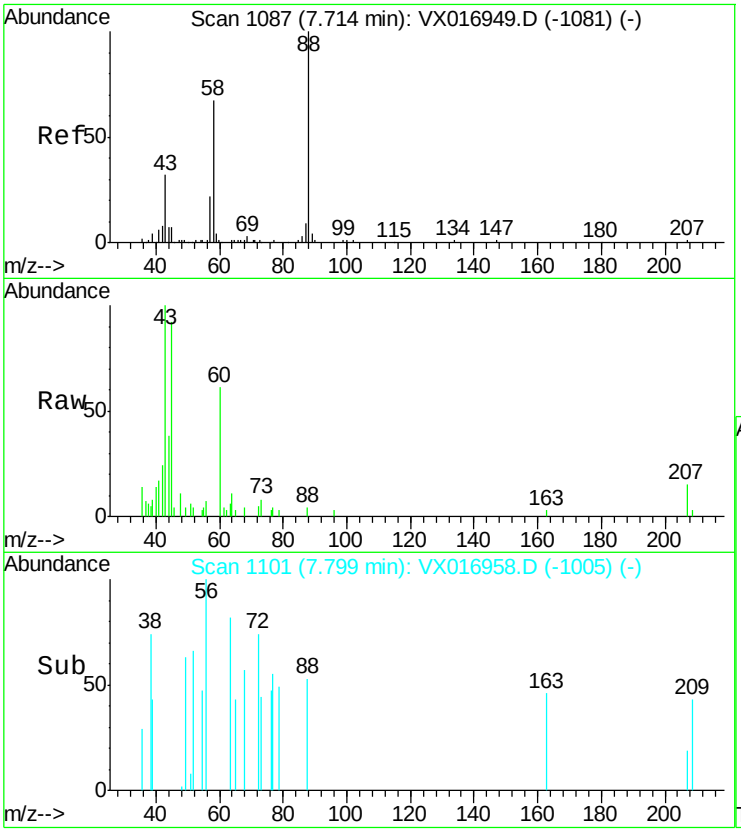


#30
2-Butanone
Concen: 2.610 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 43 Resp: 4874

Ion	Ratio	Lower	Upper
43	100		
57	3.4	6.2	9.4#
72	0.0	20.6	31.0#



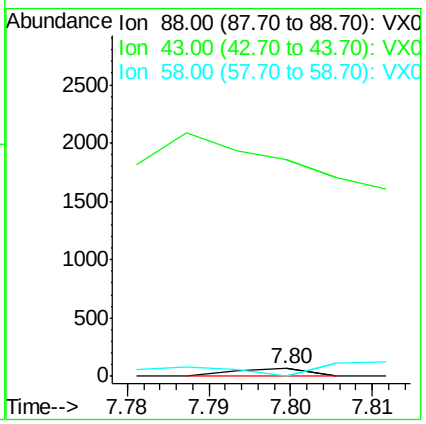


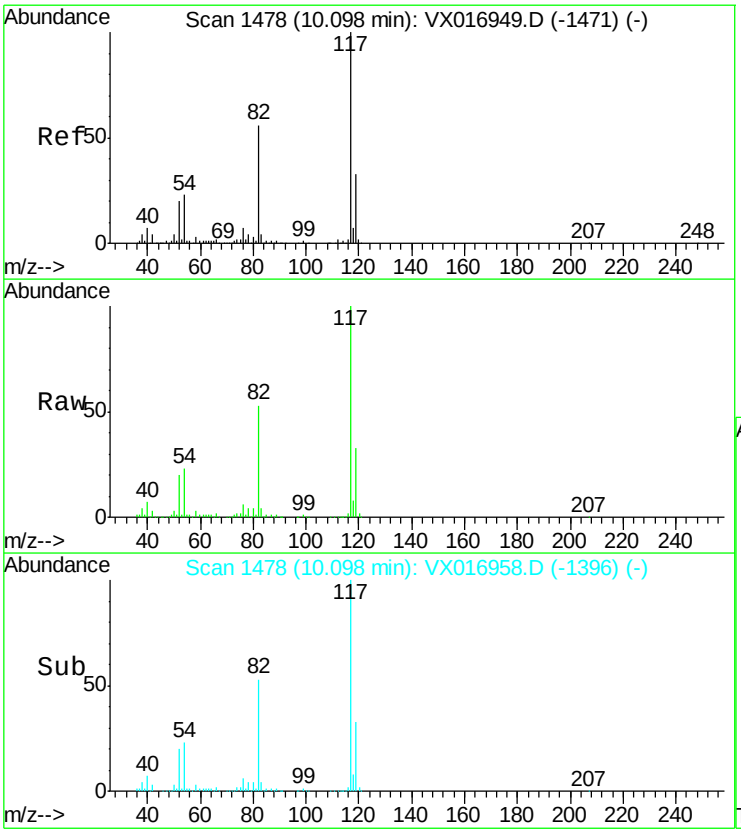
#45
1,4-Dioxane
Concen: 0.684 ug/l
RT: 7.80 min Scan# 1101
Delta R.T. 0.09 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 88 Resp: 44

Ion	Ratio	Lower	Upper
88	100		
43	1165.9	28.9	43.3#
58	161.4	56.7	85.1#

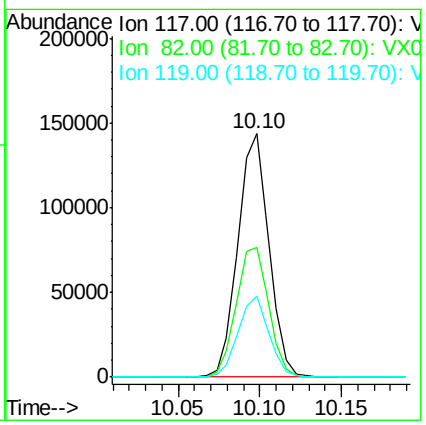


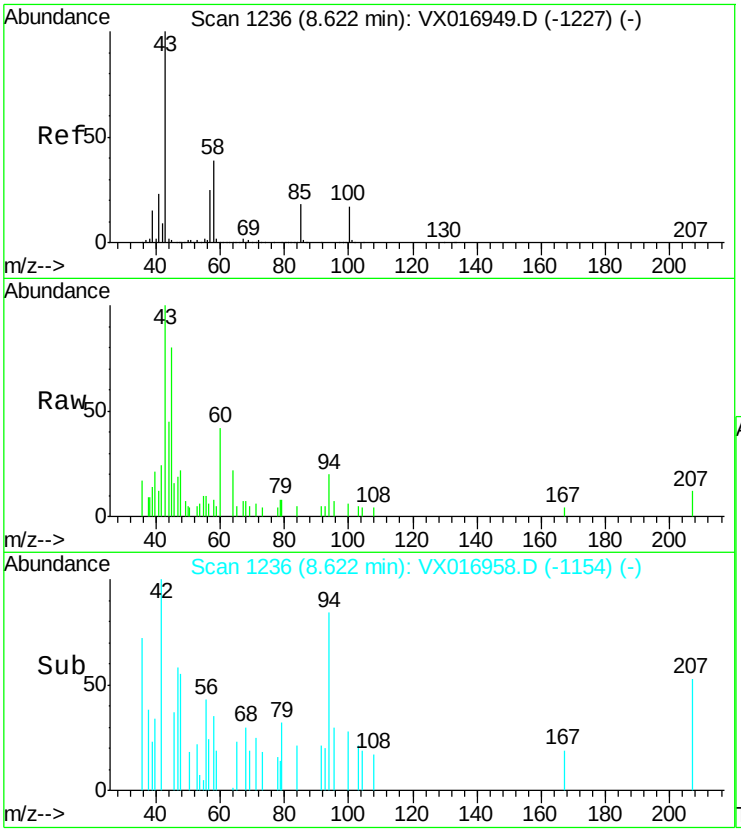


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion:117 Resp: 190722

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.9	67.3
119	32.8	25.8	38.8



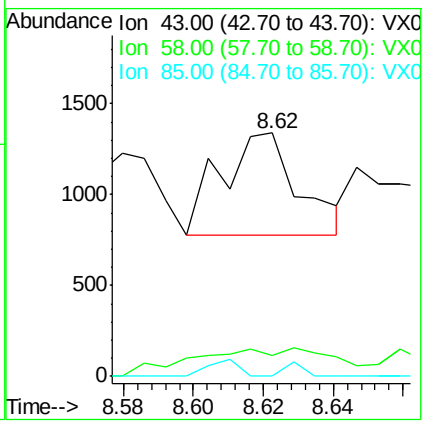


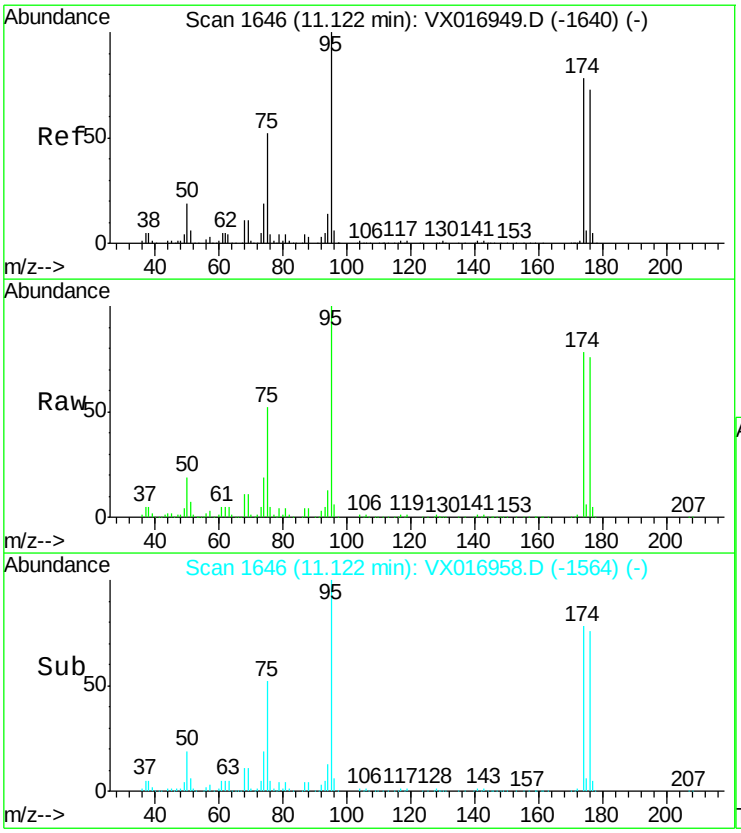
#58
4-Methyl-2-Pentanone
Concen: 0.248 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument : MSVOA_X
ClientSampleId : TW-2

Tgt Ion: 43 Resp: 871

Ion	Ratio	Lower	Upper
43	100		
58	30.7	30.4	45.6
85	6.3	13.5	20.3#

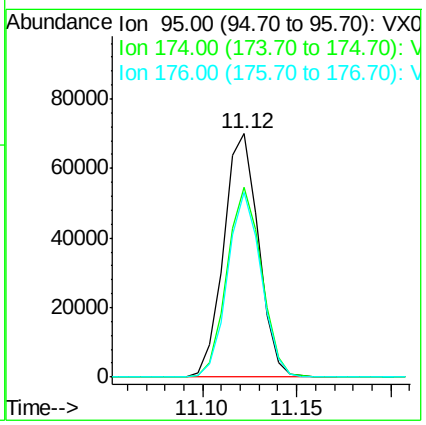


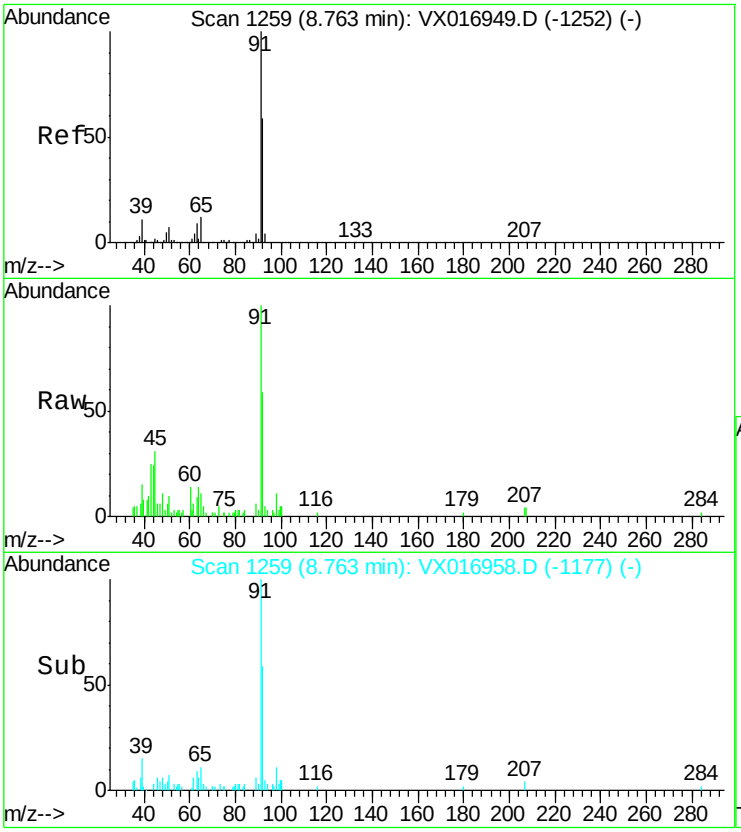


#60
4-Bromofluorobenzene
Concen: 28.072 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 95 Resp: 89290

Ion	Ratio	Lower	Upper
95	100		
174	77.9	62.2	93.4
176	73.6	58.9	88.3



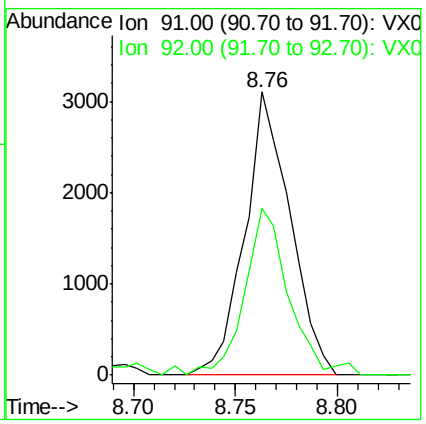


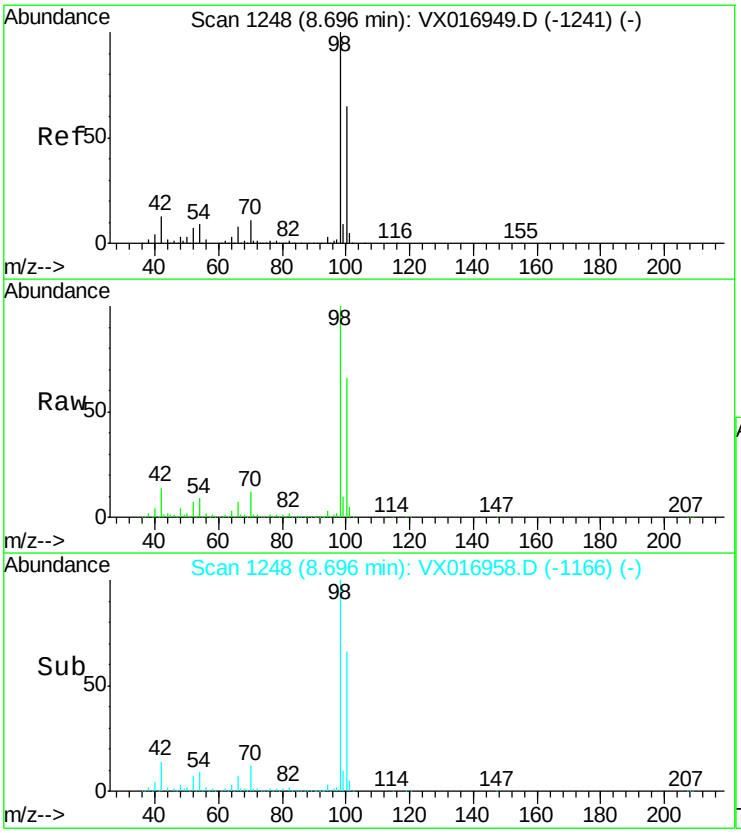
#62
Toluene
Concen: 0.462 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 91 Resp: 4817

Ion	Ratio	Lower	Upper
91	100		
92	55.5	46.8	70.2

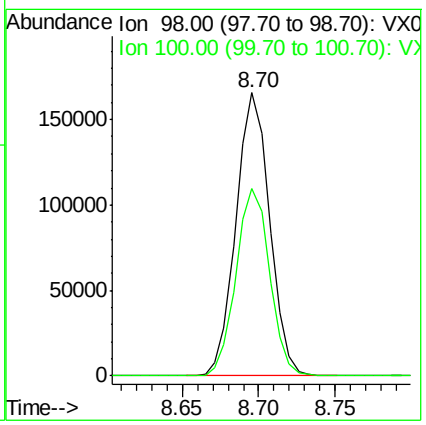


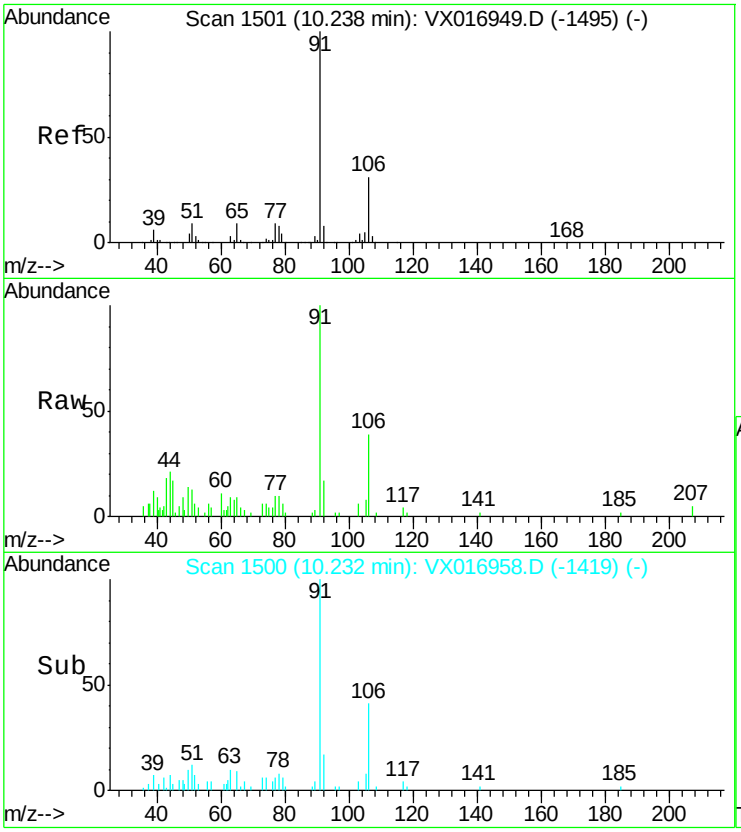


#63
Toluene-d8
Concen: 30.213 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 98 Resp: 254004

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5



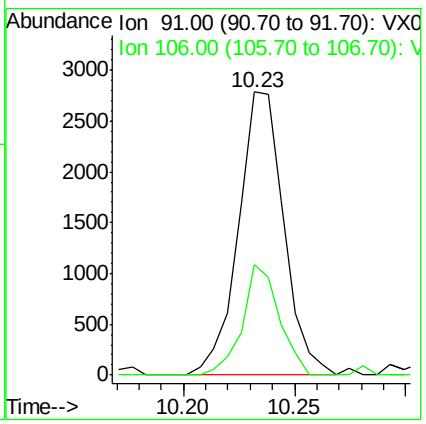


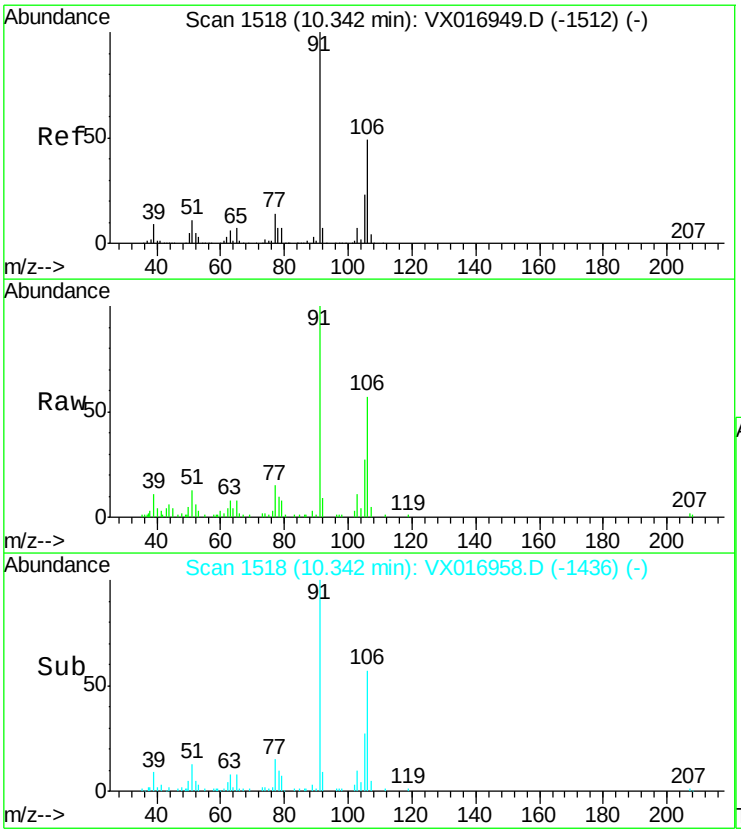
#66
Ethyl Benzene
Concen: 0.343 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 91 Resp: 3966

Ion	Ratio	Lower	Upper
91	100		
106	39.1	24.8	37.2#

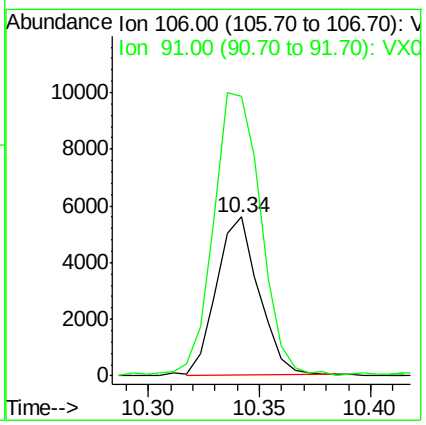


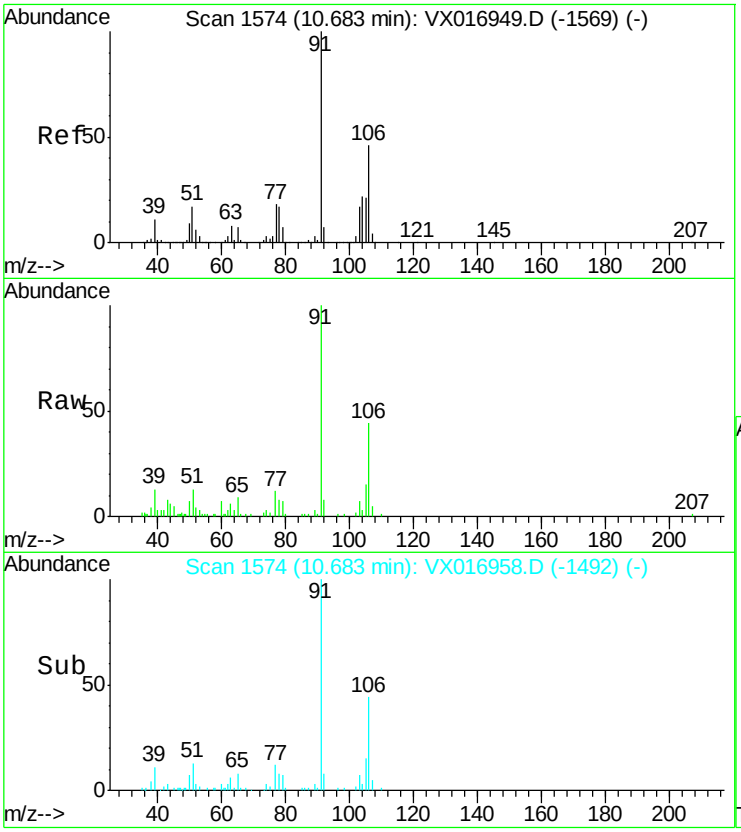


#67
m/p-Xylenes
Concen: 1.690 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion:106 Resp: 7374

Ion	Ratio	Lower	Upper
106	100		
91	200.1	164.5	246.7



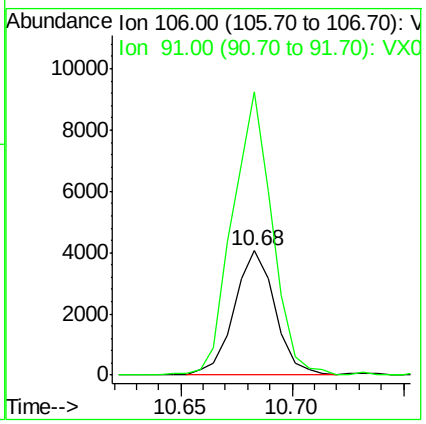


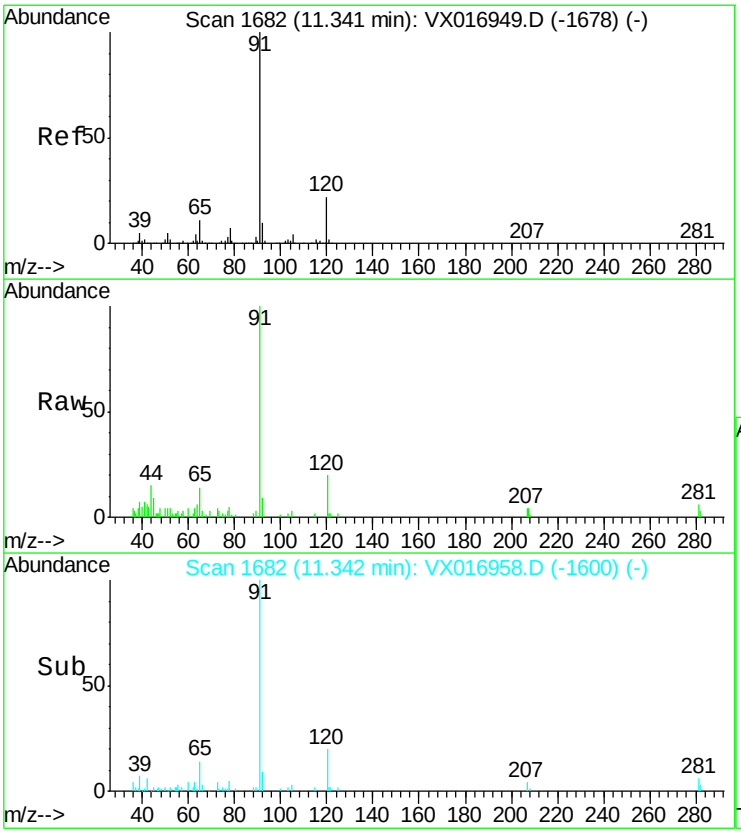
#68
o-Xylene
Concen: 1.243 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion:106 Resp: 5210

Ion	Ratio	Lower	Upper
106	100		
91	218.9	107.3	321.9

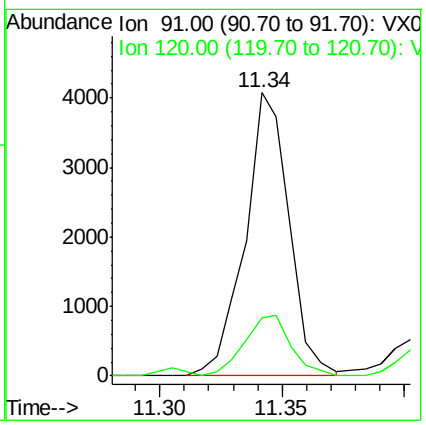


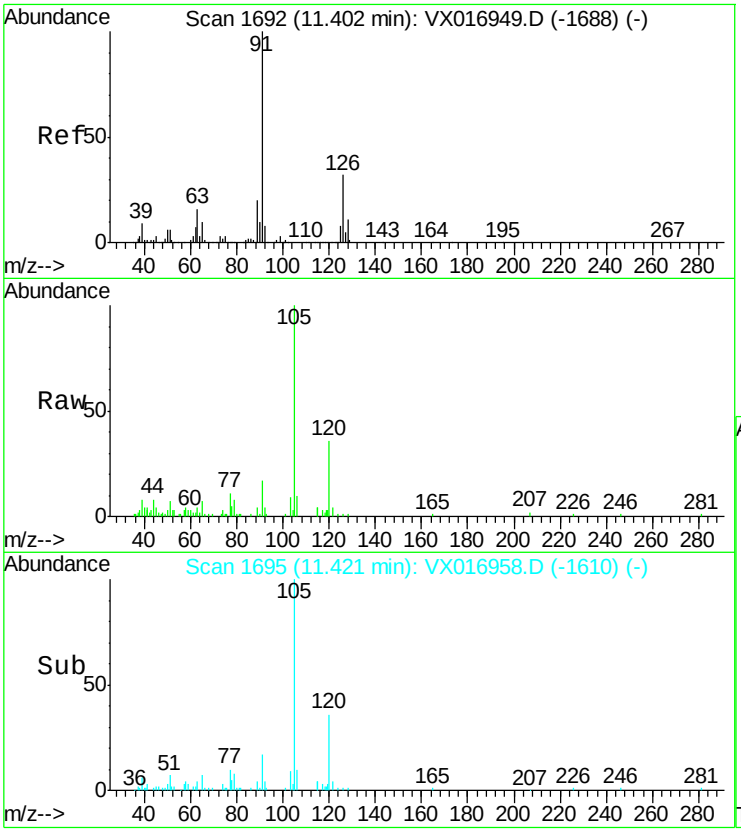


#74
n-propylbenzene
Concen: 0.379 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 91 Resp: 5117

Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	45.6



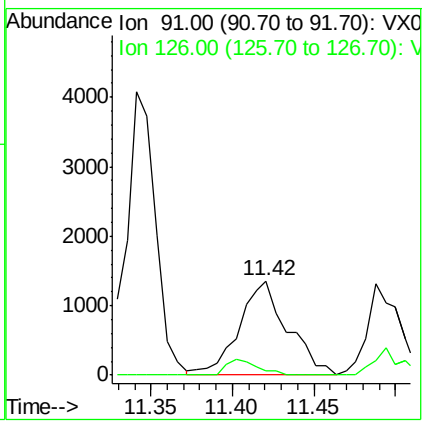


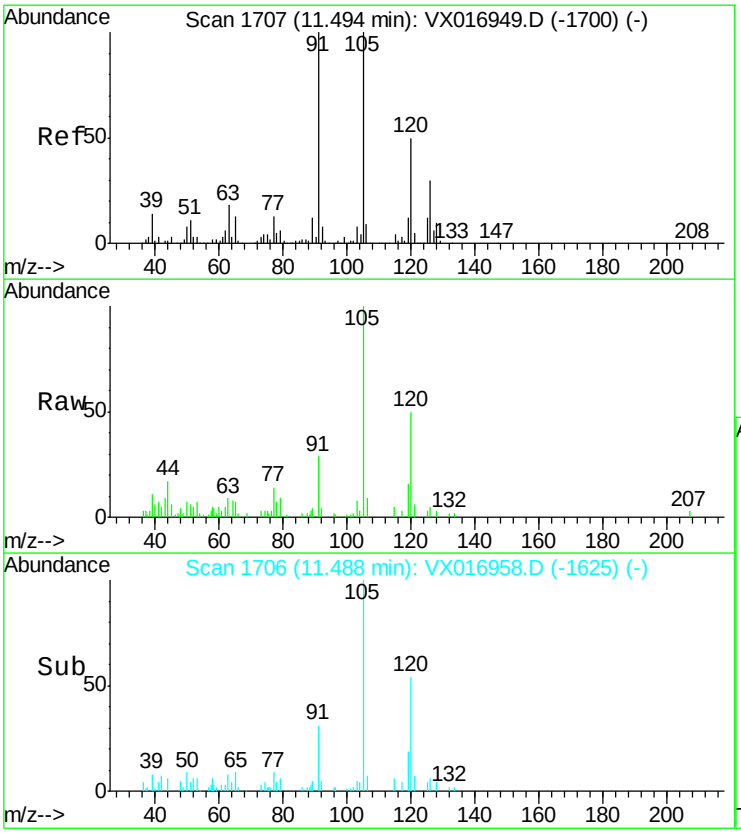
#75
2-Chlorotoluene
Concen: 0.359 ug/l
RT: 11.42 min Scan# 1695
Delta R.T. 0.02 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion: 91 Resp: 2828

Ion	Ratio	Lower	Upper
91	100		
126	10.3	0.0	68.0

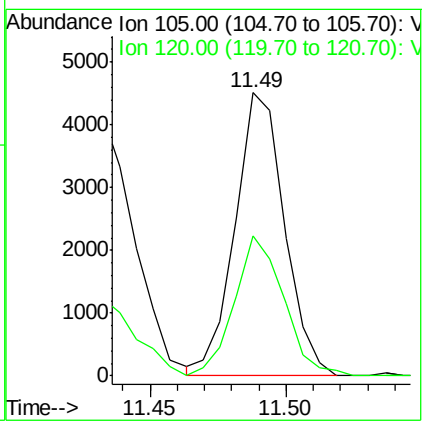


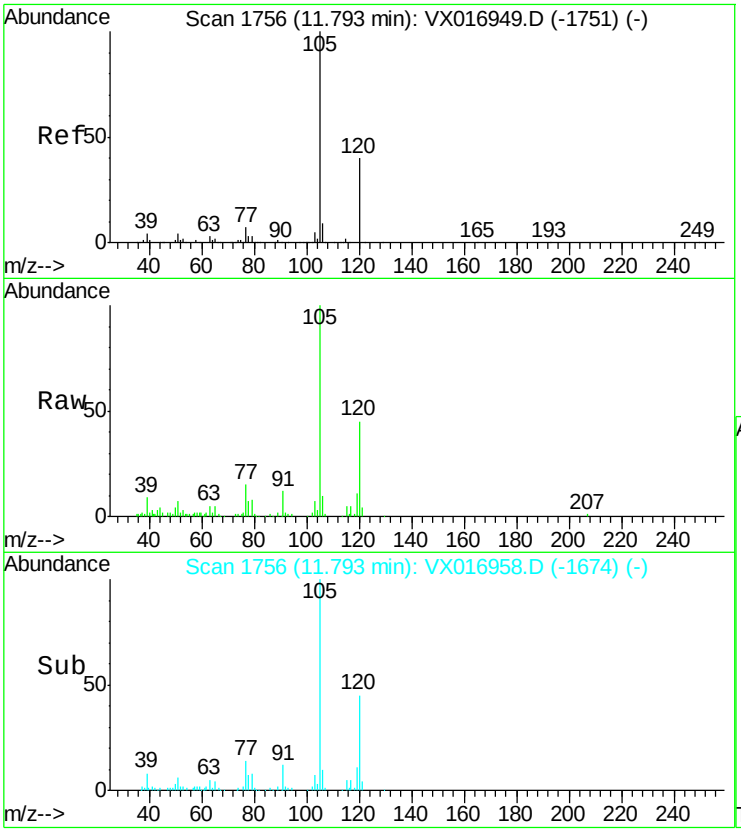


#76
1,3,5-Trimethylbenzene
Concen: 0.596 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion:105 Resp: 5691

Ion	Ratio	Lower	Upper
105	100		
120	49.2	0.0	99.4



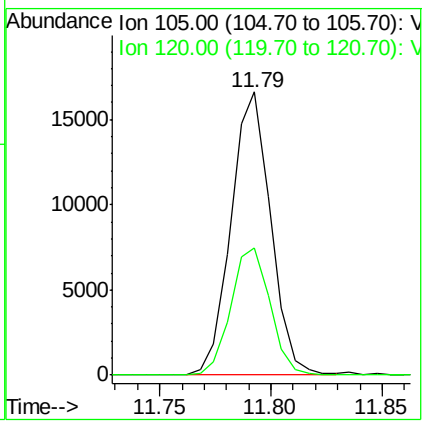


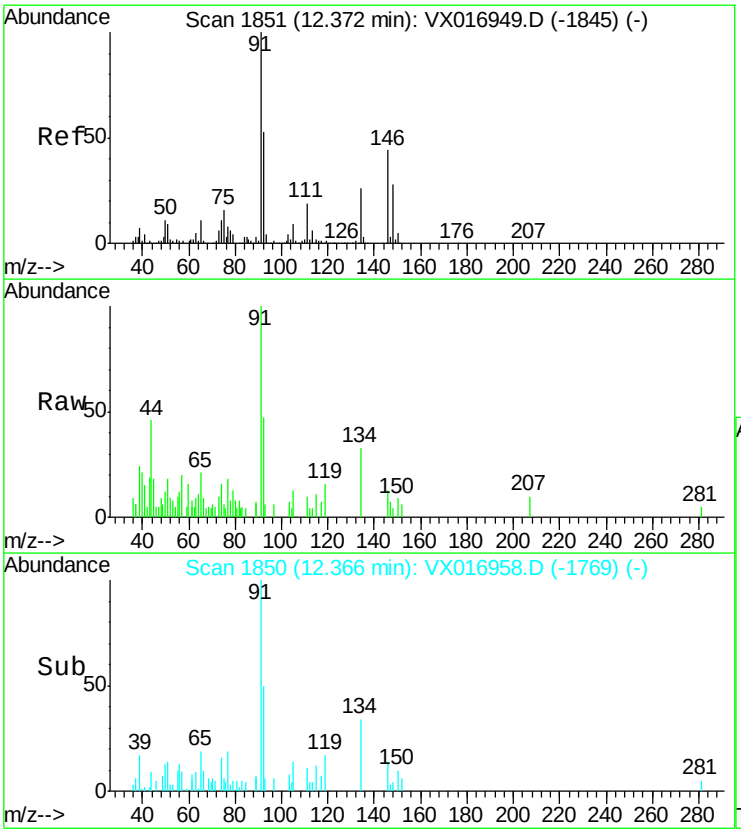
#80
1,2,4-Trimethylbenzene
Concen: 2.157 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion:105 Resp: 20667

Ion	Ratio	Lower	Upper
105	100		
120	44.5	0.0	89.8

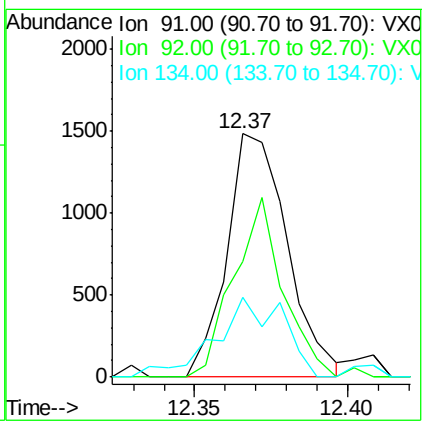


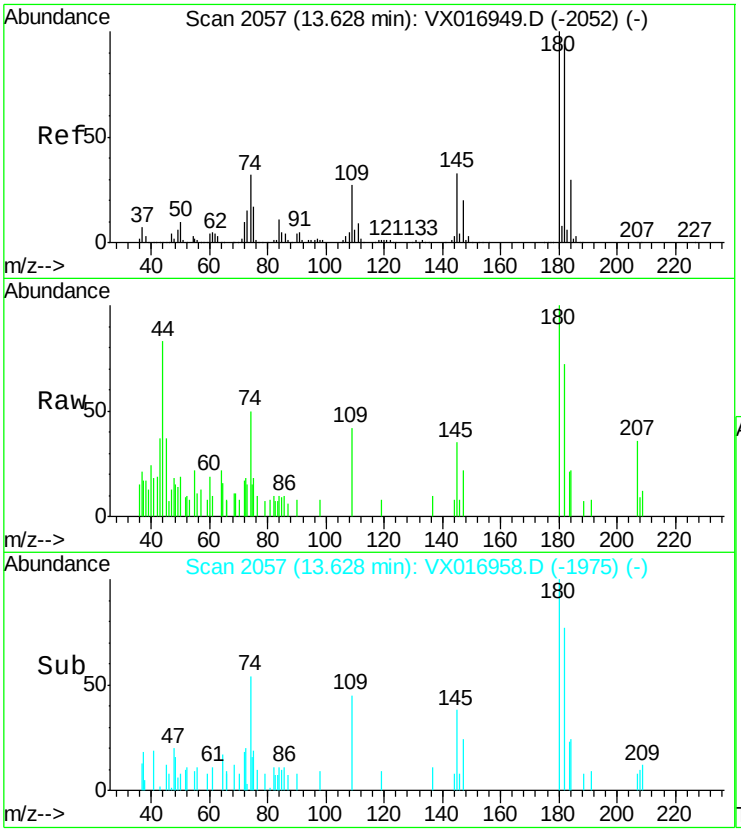


#85
n-Butylbenzene
Concen: 0.220 ug/l
RT: 12.37 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion: 91 Resp: 2032

Ion	Ratio	Lower	Upper
91	100		
92	60.2	0.0	105.8
134	34.8	0.0	52.2



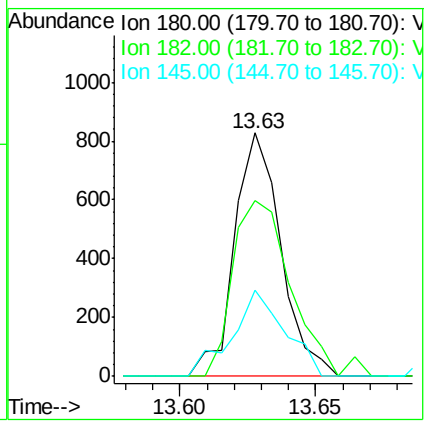


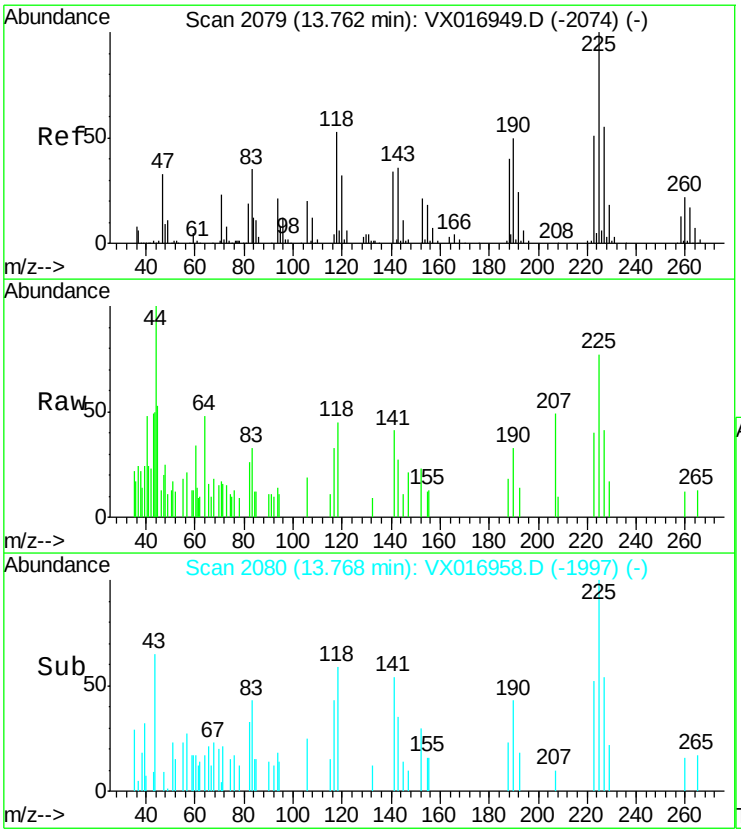
#89
1,2,4-Trichlorobenzene
Concen: 0.302 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion:180 Resp: 982

Ion	Ratio	Lower	Upper
180	100		
182	88.5	77.7	116.5
145	39.9	26.2	39.2#

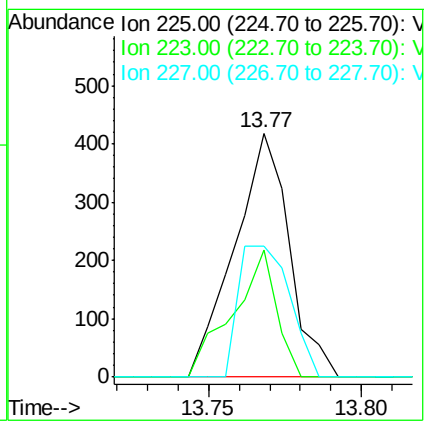


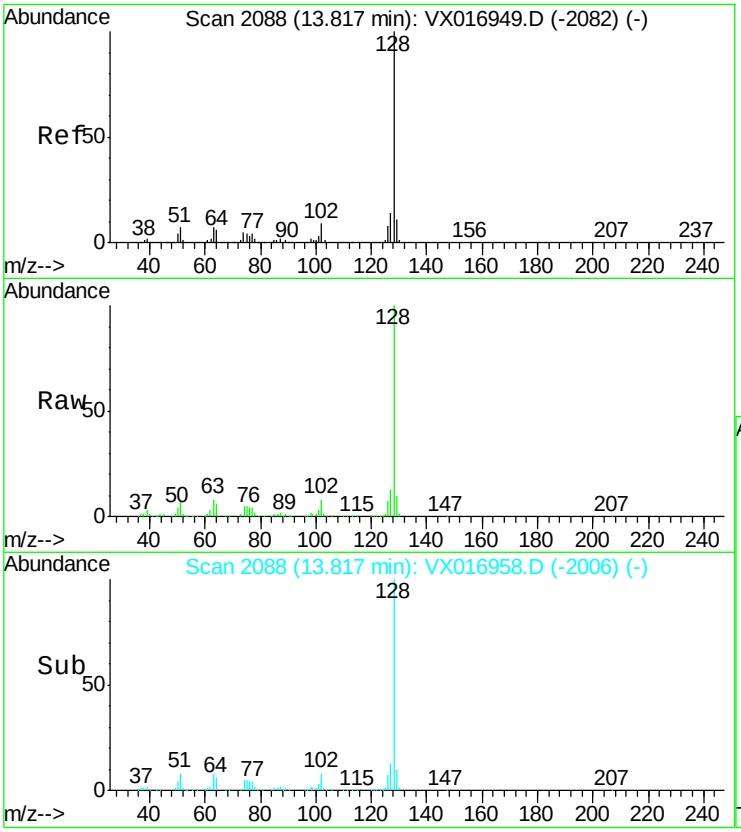


#90
Hexachlorobutadiene
Concen: 0.420 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion:225 Resp: 519

Ion	Ratio	Lower	Upper
225	100		
223	41.8	0.0	125.0
227	50.1	0.0	124.0



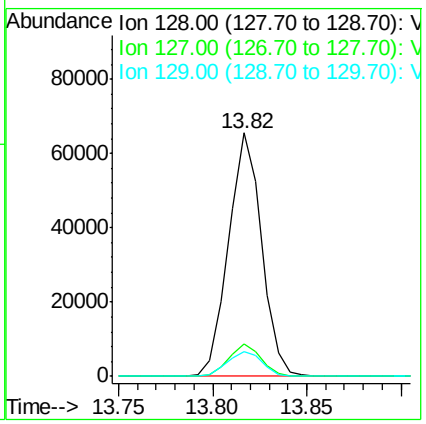


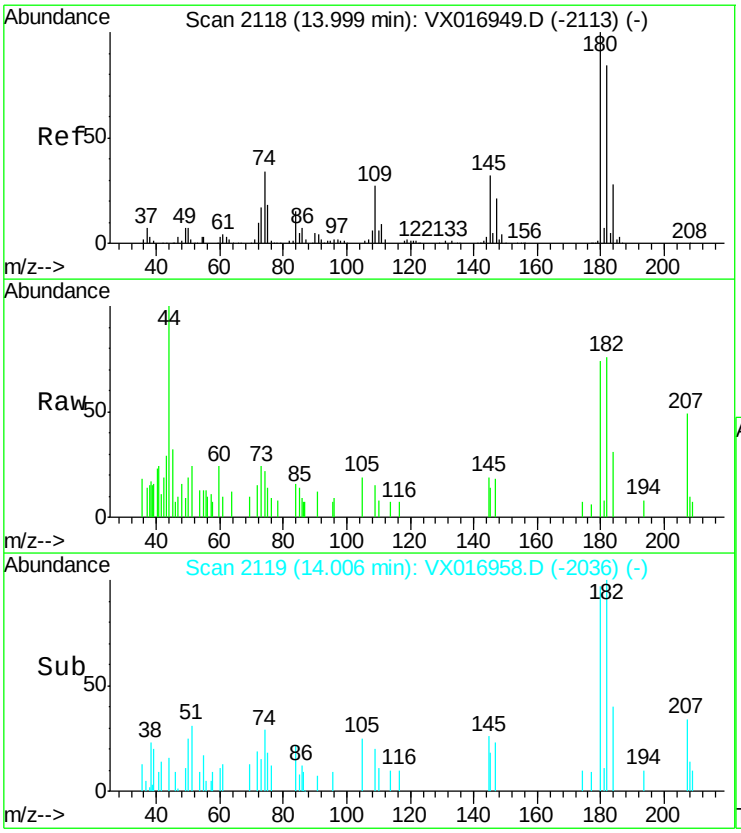
#91
Naphthalene
Concen: 7.509 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :
TW-2

Tgt Ion:128 Resp: 79925

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	9.0	13.4





#92
1,2,3-Trichlorobenzene
Concen: 0.252 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016958.D
Acq: 25 Jun 2020 16:59

Tgt Ion:180 Resp: 797

Ion	Ratio	Lower	Upper
180	100		
182	92.3	0.0	184.8
145	39.6	0.0	68.0