Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042320\
Data File : VX015910.D
Acq On : 23 Apr 2020 23:26
Operator : JC/SP
Sample : L2120-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Quant Time: Apr 24 03:40:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.64	168	841635	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	6.84	114	1315049	50.00	ug/l		0.00
63) Chlorobenzene-d5	10.10	117	1271640	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	747732	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	6.03	65	491347	51.33	ug/l		0.00
Spiked Amount 50.000			Recovery = 102.66%				
35) Dibromofluoromethane	5.47	113	390436	51.44	ug/l		0.00
Spiked Amount 50.000			Recovery = 102.88%				
50) Toluene-d8	8.70	98	1580973	51.74	ug/l		0.00
Spiked Amount 50.000			Recovery = 103.48%				
62) 4-Bromofluorobenzene	11.12	95	682858	54.47	ug/l		0.00
Spiked Amount 50.000			Recovery = 108.94%				
Target Compounds							Qvalue
5) Bromomethane	1.64	94	917	0.320	ug/l	#	2
8) Diethyl Ether	2.17	74	2553	0.594	ug/l		81
10) Methyl Iodide	2.50	142	1828	0.206	ug/l	#	79
11) Tert butyl alcohol	3.01	59	2028	1.037	ug/l	#	15
13) Acrolein	2.27	56	693	0.599	ug/l		87
15) Acrylonitrile	3.12	53	1011	0.223	ug/l	#	1
16) Acetone	2.42	43	97936	23.497	ug/l		95
17) Carbon Disulfide	2.55	76	14009	0.523	ug/l		99
18) Methyl Acetate	2.75	43	9550	0.694	ug/l	#	85
20) Methylene Chloride	2.84	84	21944	2.593	ug/l		97
25) 2-Butanone	4.65	43	27457	4.168	ug/l	#	85
29) Tetrahydrofuran	5.08	42	1167	0.268	ug/l		94
31) Cyclohexane	5.63	56	13987	1.000	ug/l	#	1
36) 1,1-Dichloropropene	5.63	75	58724	5.037	ug/l	#	52
38) Carbon Tetrachloride	5.64	117	76360	6.650	ug/l	#	16
40) Benzene	6.12	78	11778	0.335	ug/l	#	84
42) 1,2-Dichloroethane	6.17	62	2979	0.236	ug/l		95
43) Isopropyl Acetate	6.41	43	251124	10.730	ug/l		99
48) Methyl methacrylate	7.65	41	13627	1.184	ug/l	#	21
49) 1,4-Dioxane	7.73	88	195	0.896	ug/l	#	21
51) 4-Methyl-2-Pentanone	8.59	43	242255	17.933	ug/l	#	47
52) Toluene	8.76	92	16477	0.732	ug/l		100
54) cis-1,3-Dichloropropene	8.59	75	103692	6.617	ug/l	#	55
59) 2-Hexanone	9.53	43	227629	22.118	ug/l	#	50
67) Ethyl Benzene	10.24	91	10532	0.236	ug/l		90
68) m/p-Xylenes	10.34	106	7714	0.460	ug/l		99
69) o-Xylene	10.68	106	5058	0.307	ug/l		84
70) Styrene	10.70	104	7233	0.253	ug/l	#	75
76) 1,2,3-Trichloropropane	11.12	75	332240	23.366	ug/l	#	35
81) trans-1,4-Dichloro-2-buten	11.12	75	332240	56.209	ug/l	#	12
84) 1,2,4-Trimethylbenzene	11.79	105	9057	0.215	ug/l		94
95) Naphthalene	13.82	128	90434	1.766	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042320\
Data File : VX015910.D
Acq On : 23 Apr 2020 23:26
Operator : JC/SP
Sample : L2120-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Quant Time: Apr 24 03:40:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

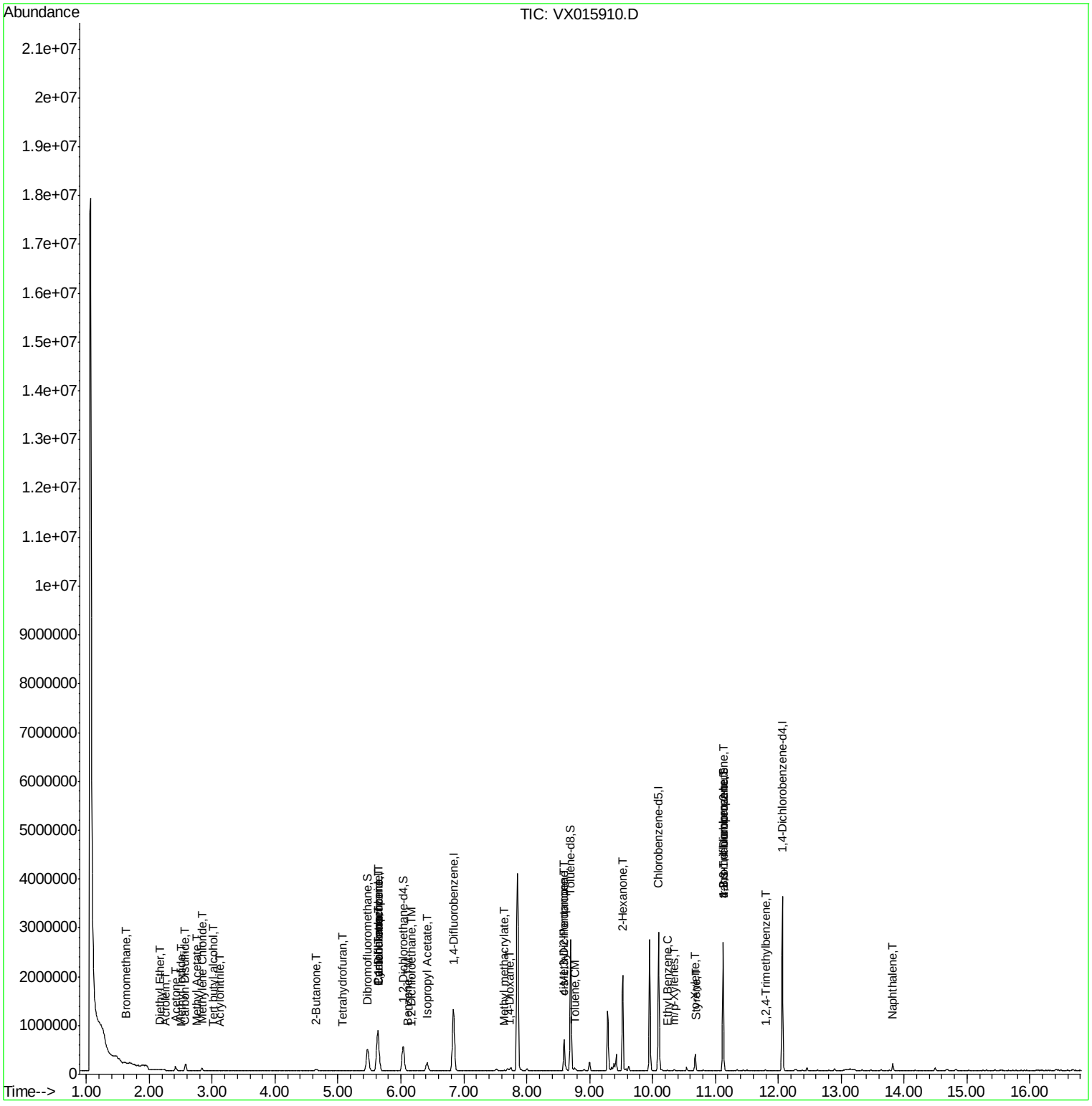
(#) = qualifier out of range (m) = manual integration (+) = signals summed

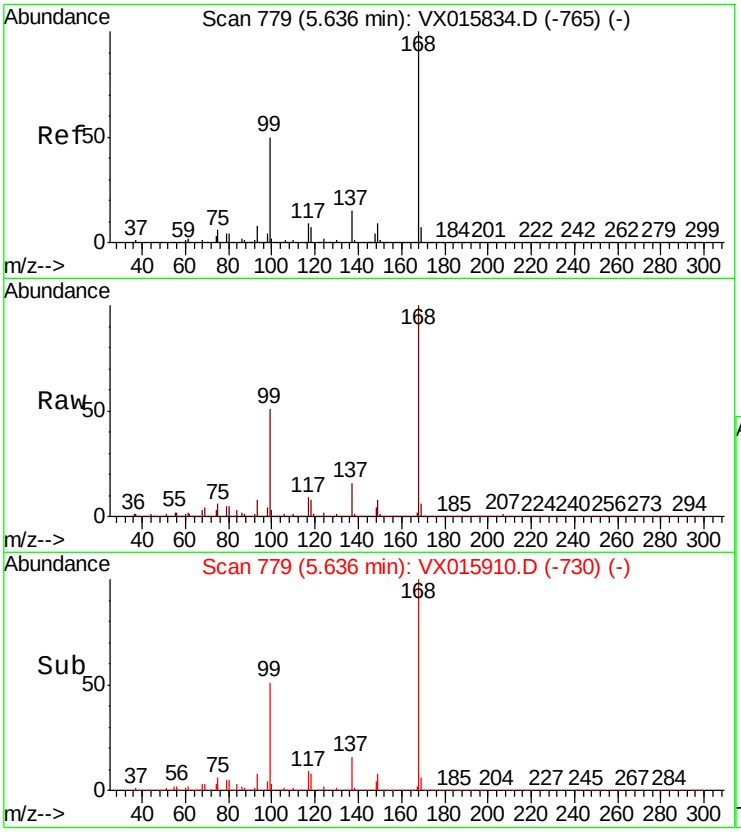
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042320\
Data File : VX015910.D
Acq On : 23 Apr 2020 23:26
Operator : JC/SP
Sample : L2120-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Quant Time: Apr 24 03:40:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration



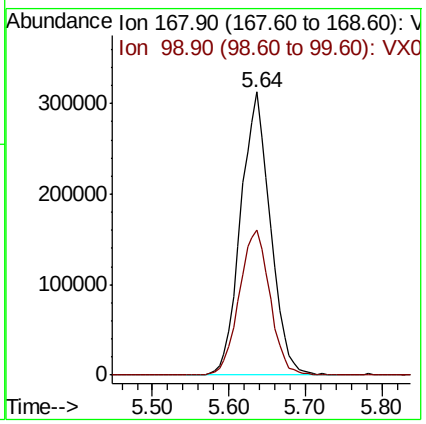


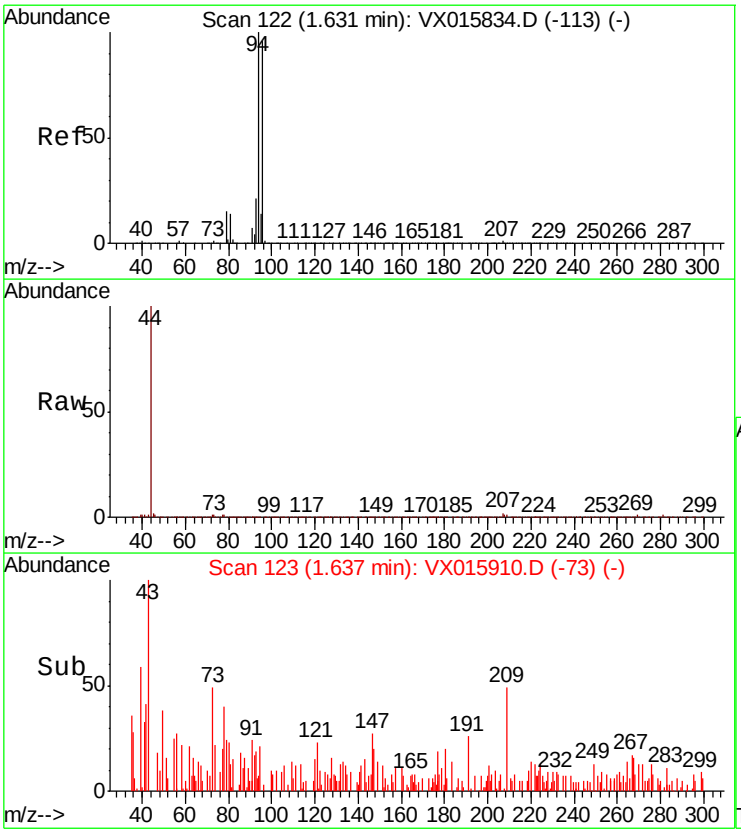
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion:168 Resp: 841635

Ion	Ratio	Lower	Upper
168	100		
99	51.2	40.3	60.5

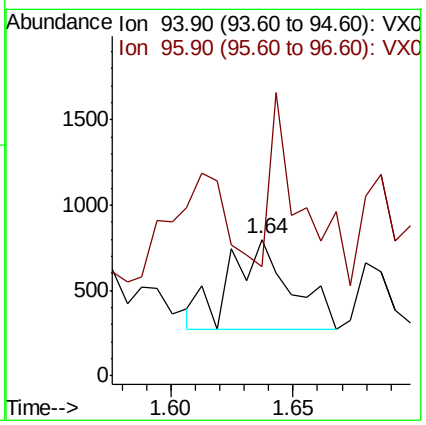


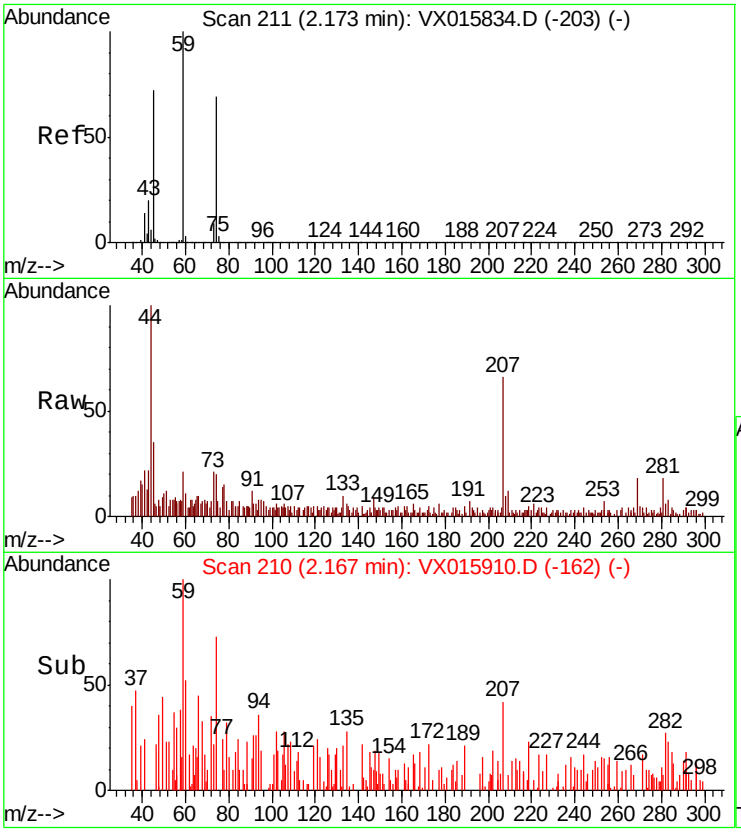


#5
Bromomethane
Concen: 0.320 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 94 Resp: 917

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.7	115.1#



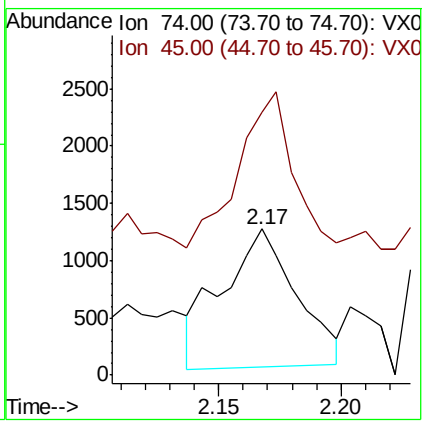


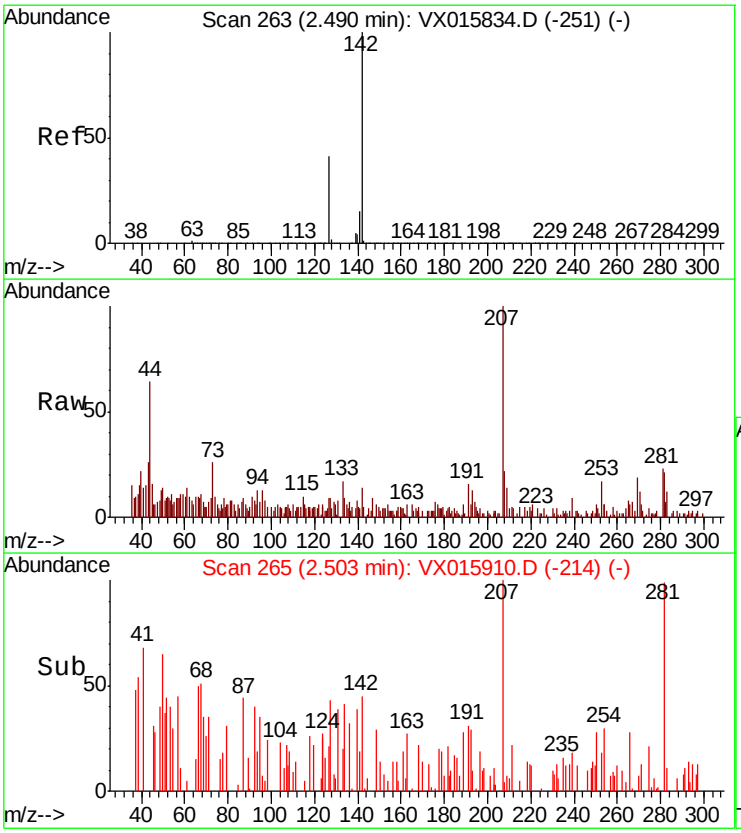
#8
Diethyl Ether
Concen: 0.594 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 74 Resp: 2553

Ion	Ratio	Lower	Upper
74	100		
45	87.6	53.8	161.4

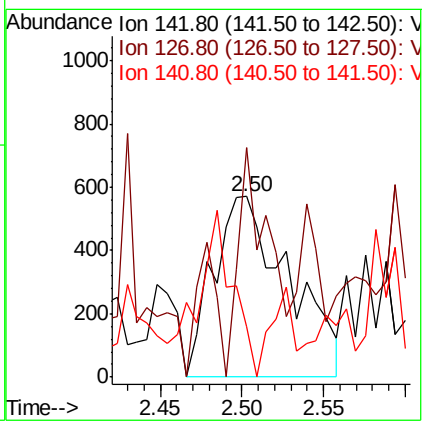


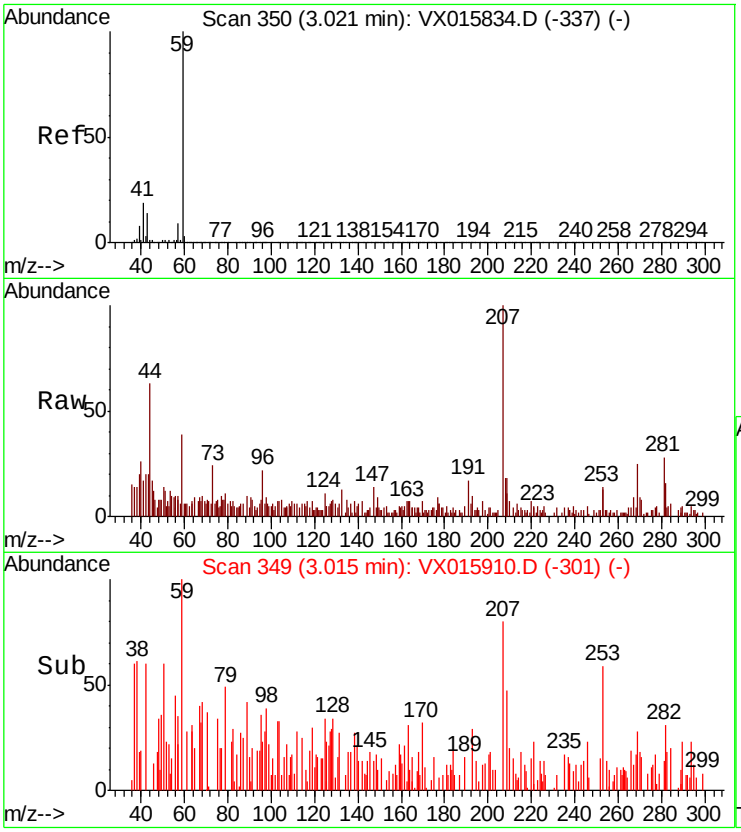


#10
Methyl Iodide
Concen: 0.206 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion:142 Resp: 1828

Ion	Ratio	Lower	Upper
142	100		
127	51.3	33.3	49.9#
141	0.0	11.8	17.6#



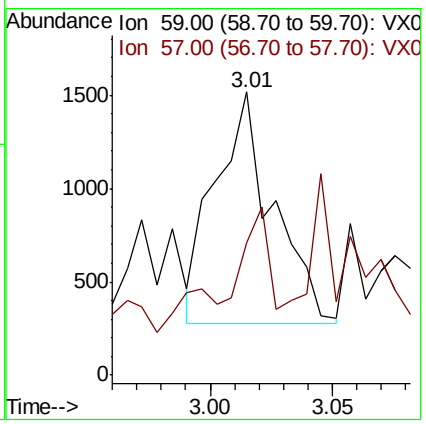


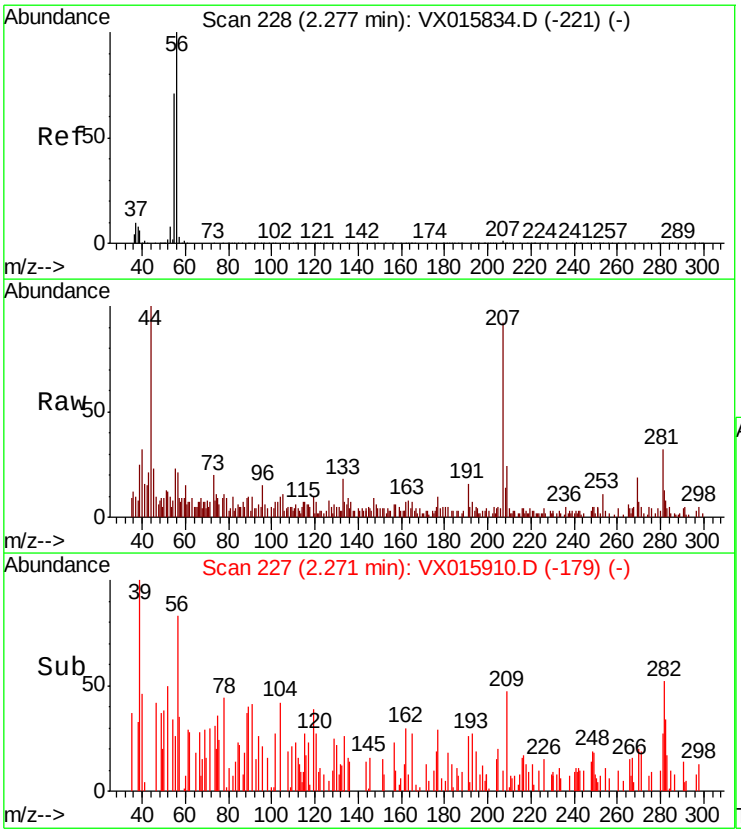
#11
Tert butyl alcohol
Concen: 1.037 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 59 Resp: 2028

Ion	Ratio	Lower	Upper
59	100		
57	41.7	8.2	12.2#

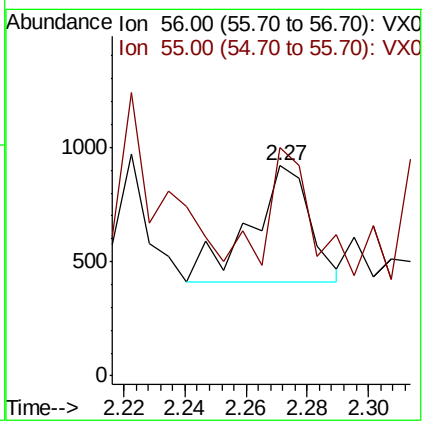


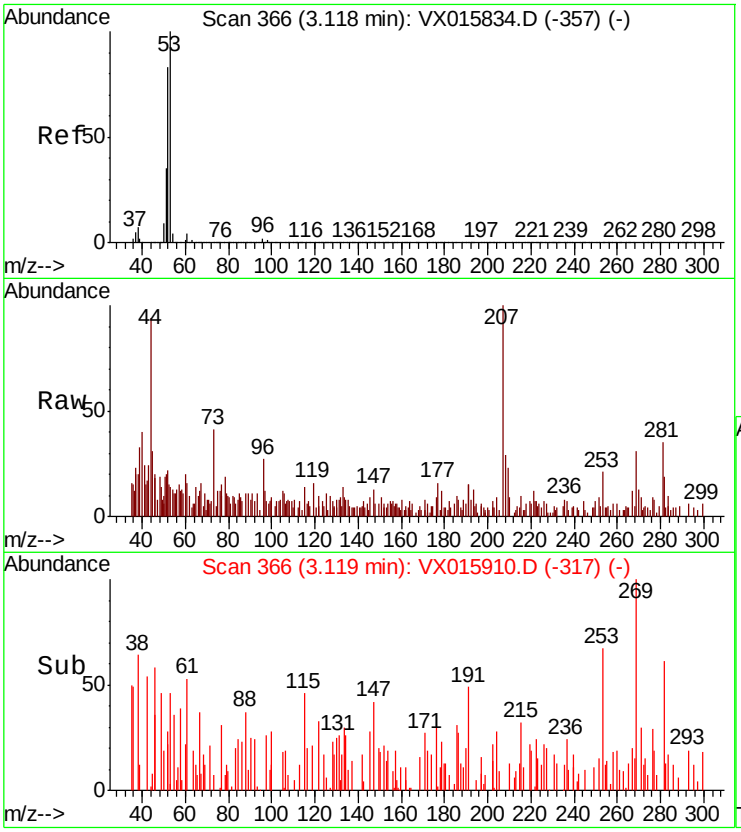


#13
Acrolein
Concen: 0.599 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 56 Resp: 693

Ion	Ratio	Lower	Upper
56	100		
55	81.0	56.1	84.1



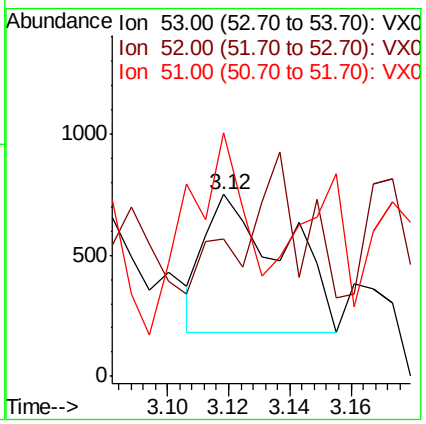


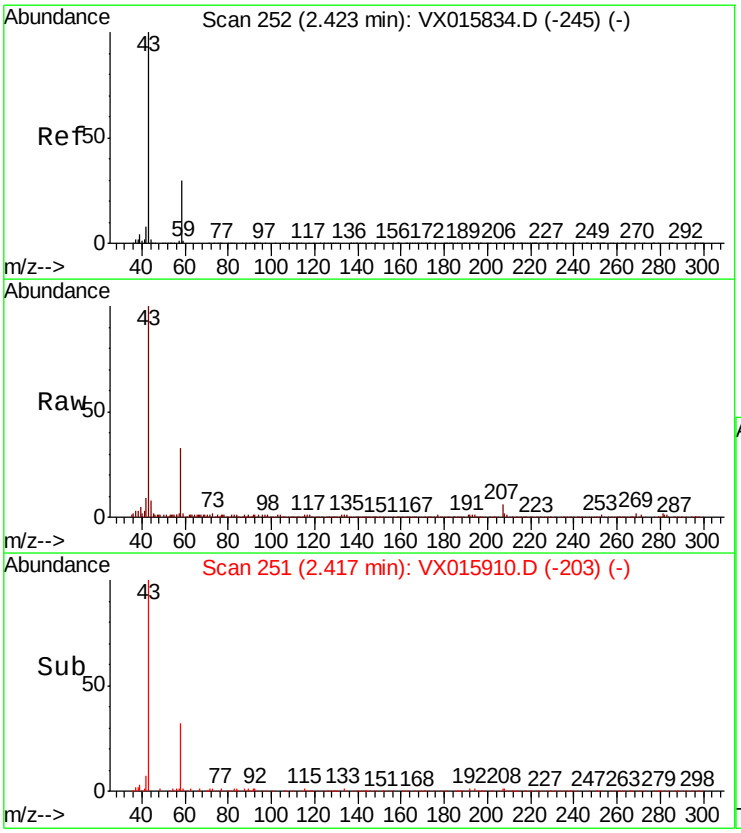
#15
Acrylonitrile
Concen: 0.223 ug/l
RT: 3.12 min Scan# 366
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 53 Resp: 1011

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.2	99.4#
51	108.4	28.6	43.0#

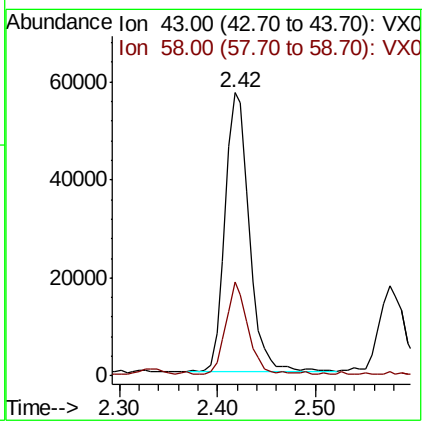


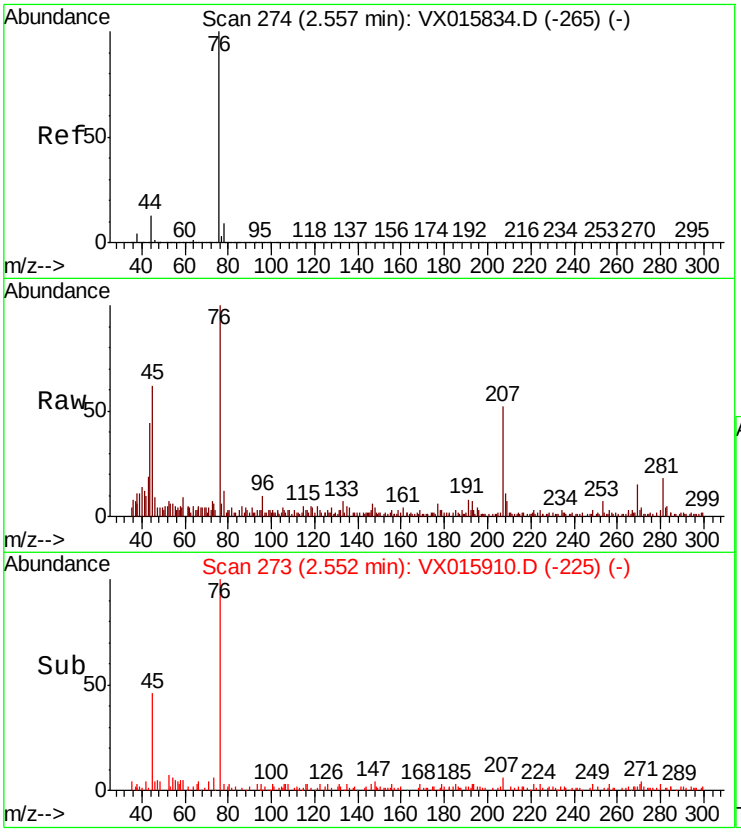


#16
Acetone
Concen: 23.497 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 43 Resp: 97936

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.0	36.0



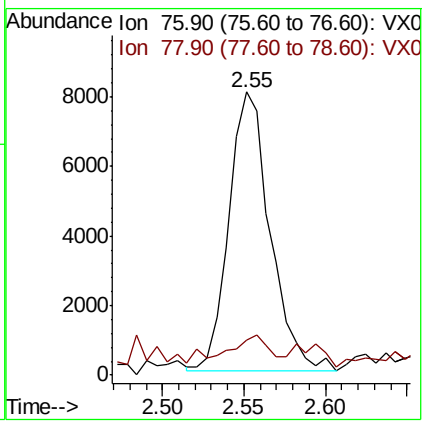


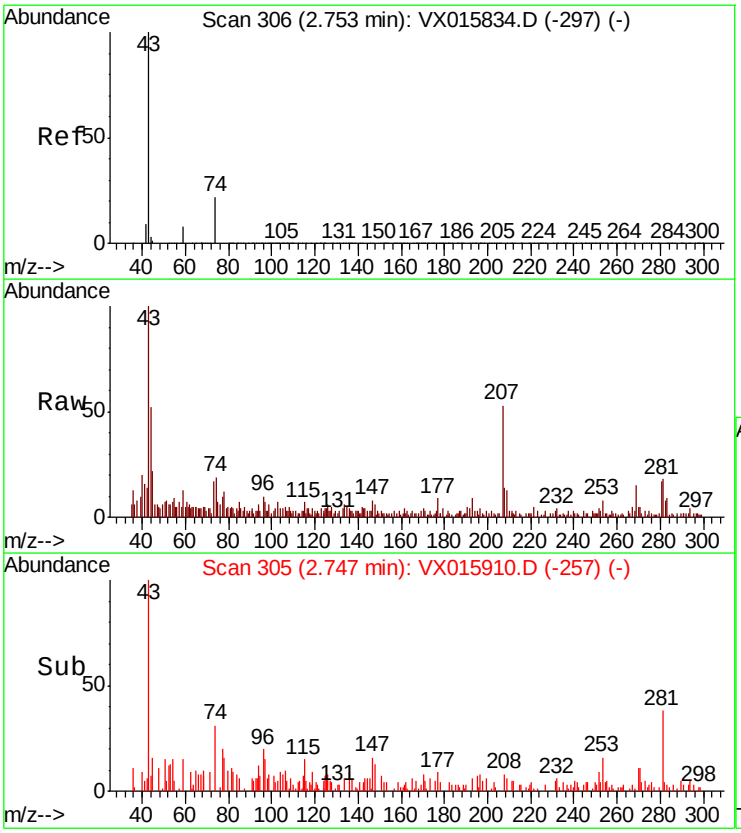
#17
Carbon Disulfide
Concen: 0.523 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion: 76 Resp: 14009

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

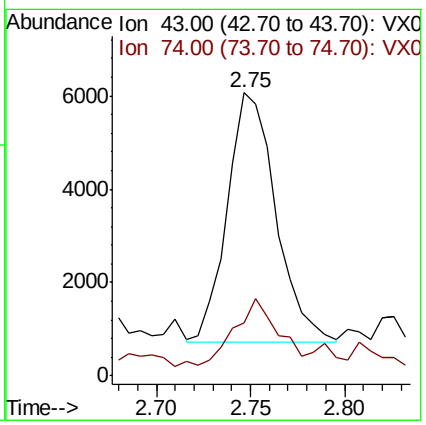


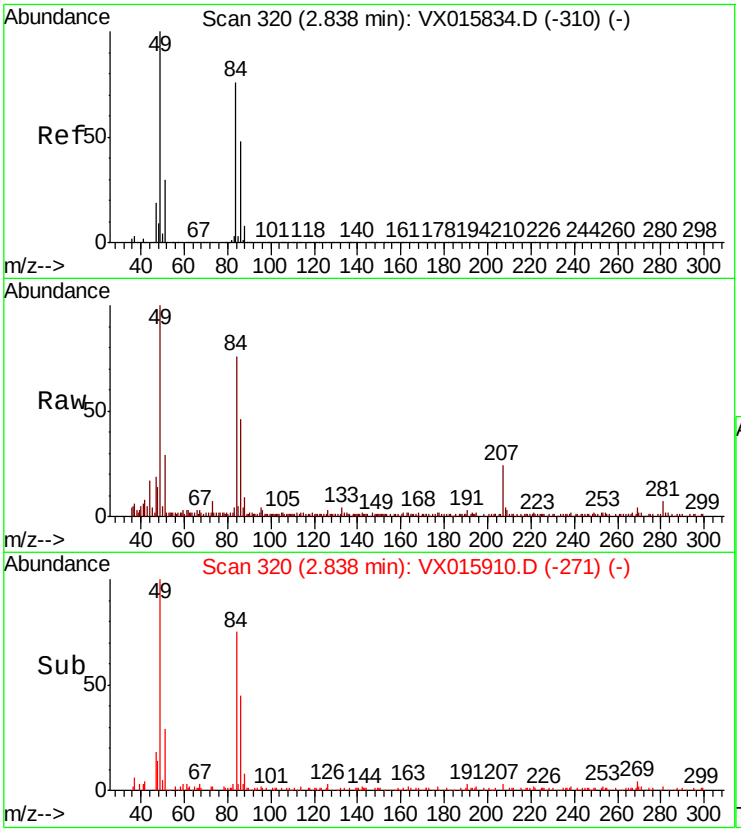


#18
Methyl Acetate
Concen: 0.694 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 43 Resp: 9550

Ion	Ratio	Lower	Upper
43	100		
74	29.5	17.9	26.9#



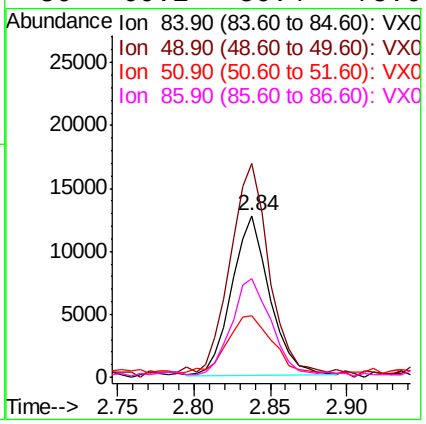


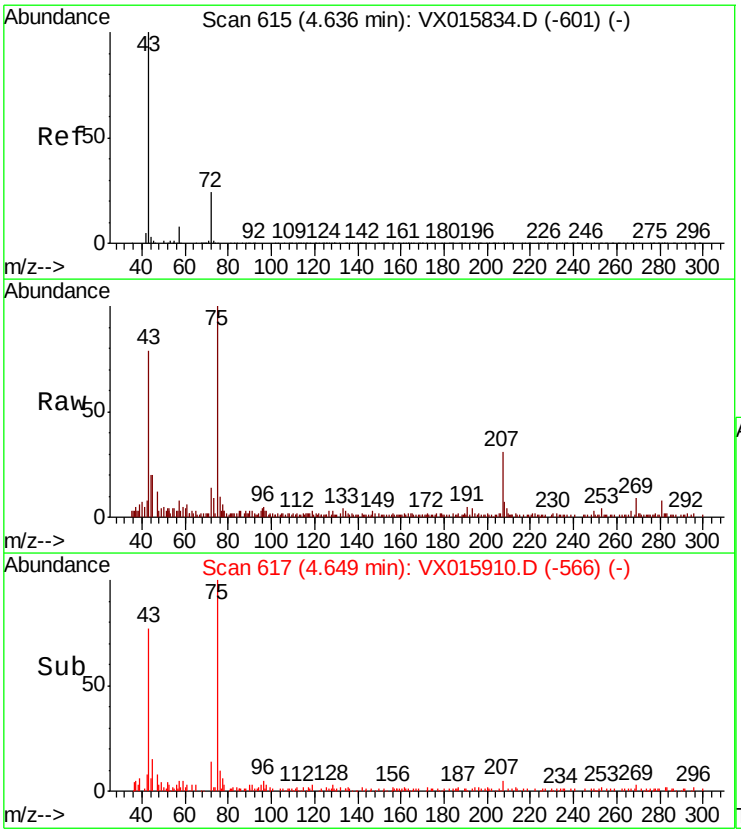
#20
Methylene Chloride
Concen: 2.593 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 84 Resp: 21944

Ion	Ratio	Lower	Upper
84	100		
49	129.8	104.9	157.3
51	35.9	32.0	48.0
86	60.1	50.4	75.6

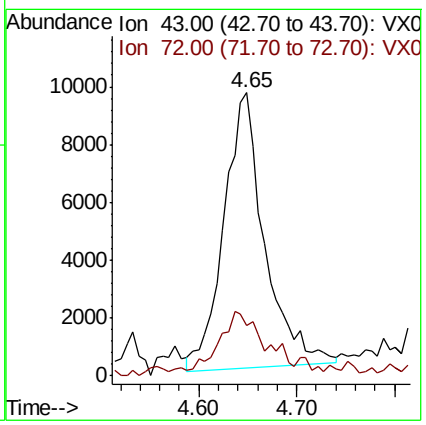


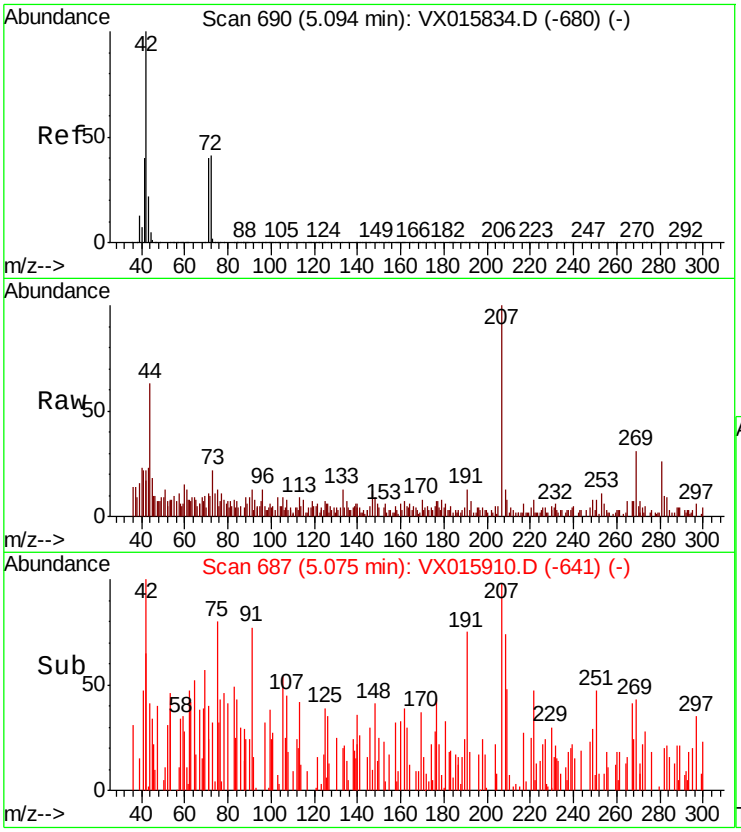


#25
2-Butanone
Concen: 4.168 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 43 Resp: 27457

Ion	Ratio	Lower	Upper
43	100		
72	16.8	19.4	29.2#



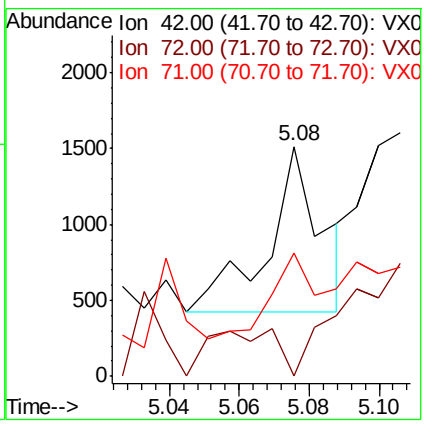


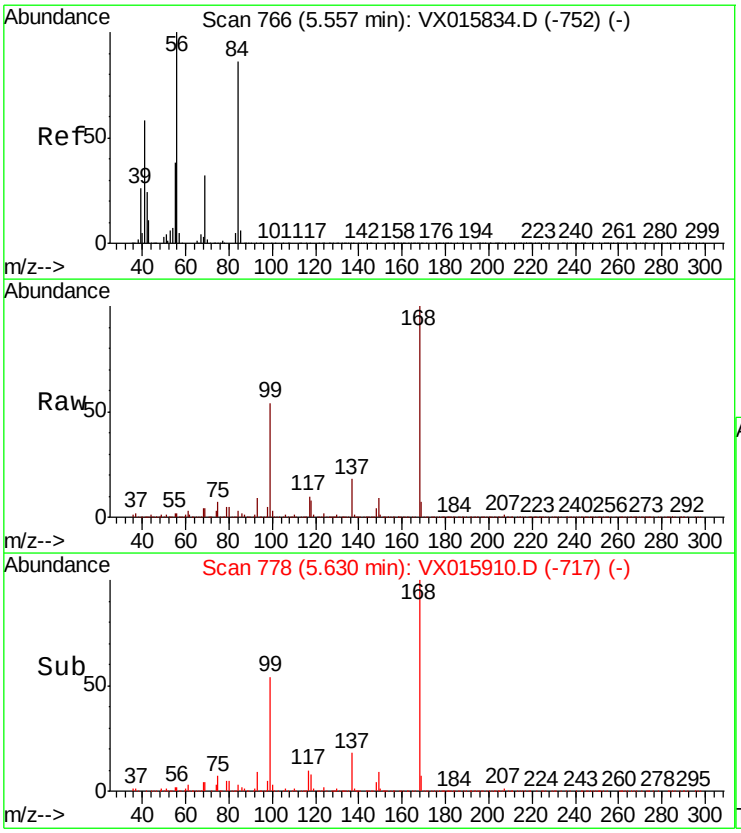
#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 5.08 min Scan# 687
Delta R.T. -0.02 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion: 42 Resp: 1167

Ion	Ratio	Lower	Upper
42	100		
72	34.8	33.0	49.6
71	39.6	30.6	45.8

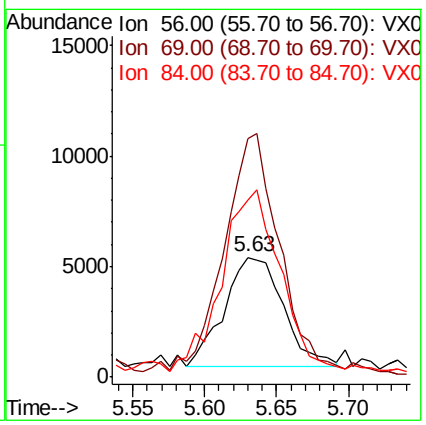


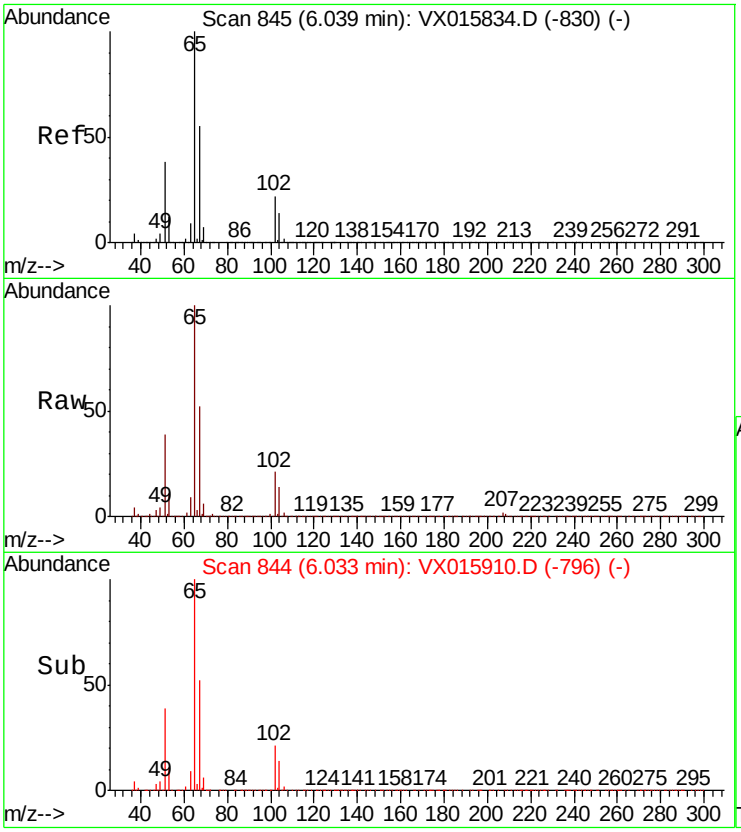


#31
Cyclohexane
Concen: 1.000 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.07 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 56 Resp: 13987

Ion	Ratio	Lower	Upper
56	100		
69	209.1	25.3	37.9#
84	152.4	69.1	103.7#



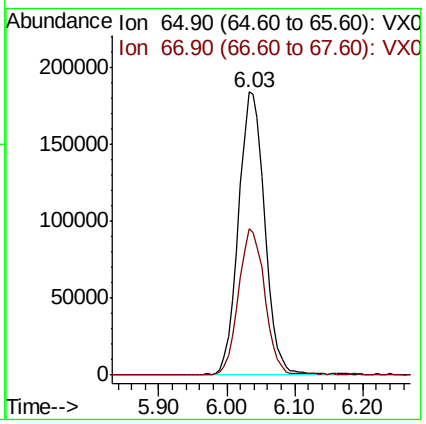


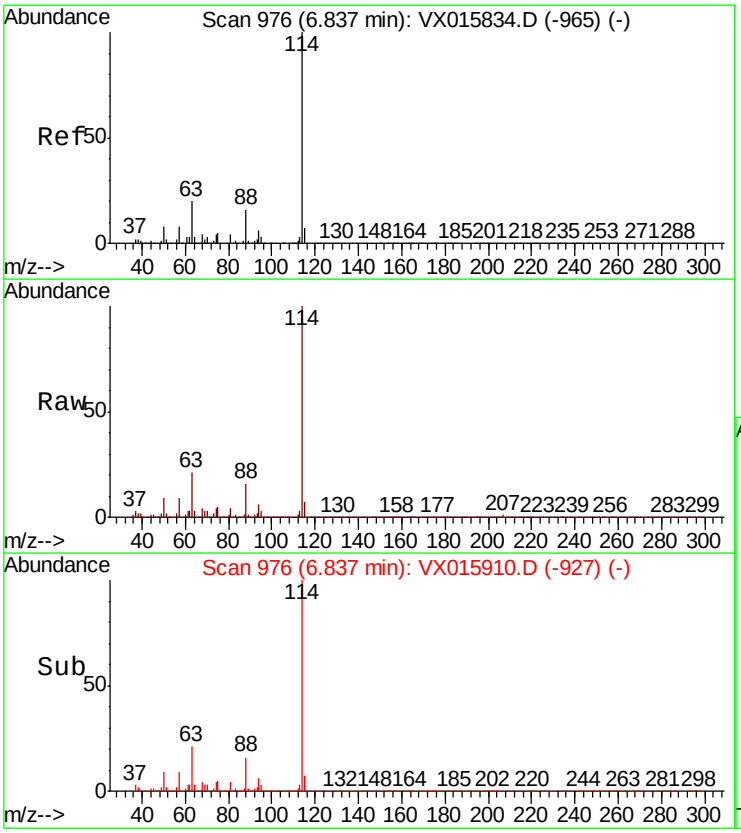
#33
1,2-Dichloroethane-d4
Concen: 51.330 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 65 Resp: 491347

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.2

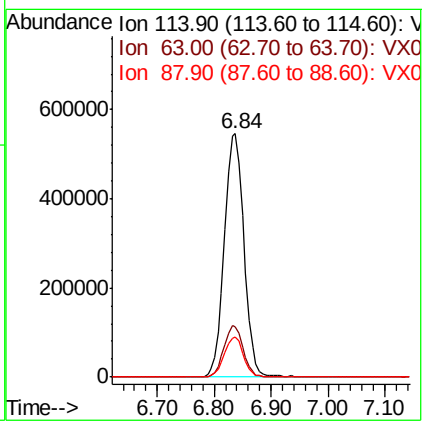


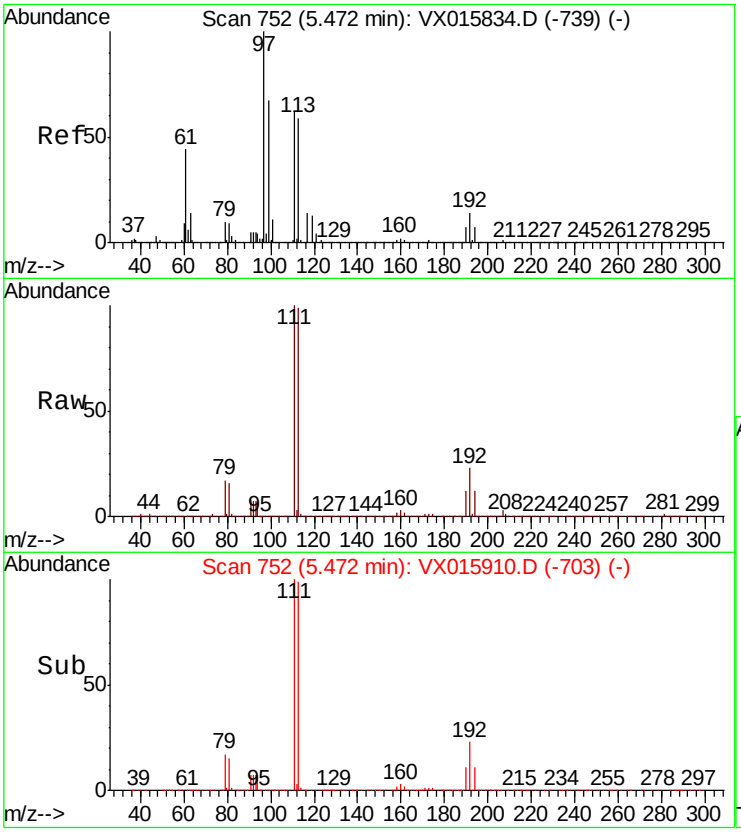


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion:114 Resp: 1315049

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.6
88	16.4	0.0	32.8



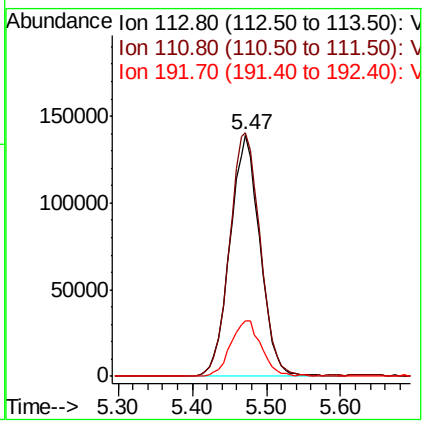


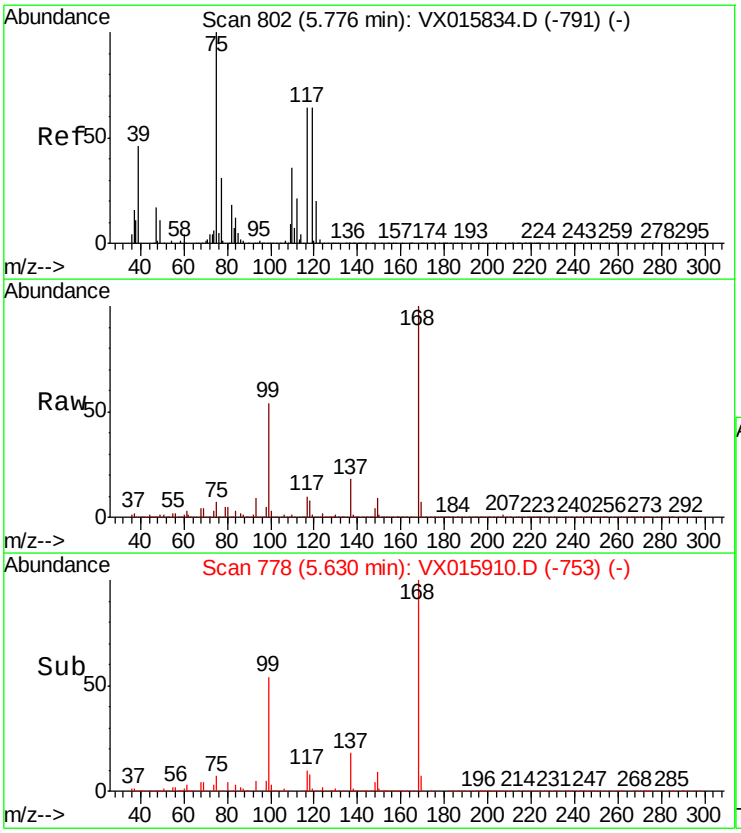
#35
Dibromofluoromethane
Concen: 51.436 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion:113 Resp: 390436

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	23.5	19.3	28.9

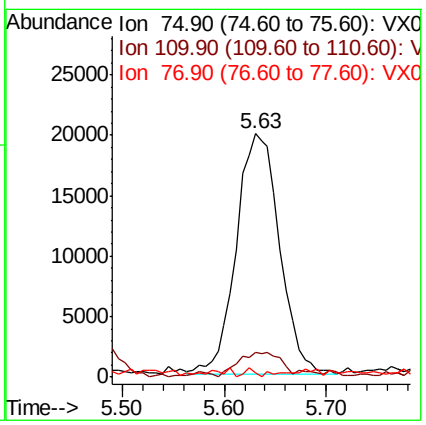


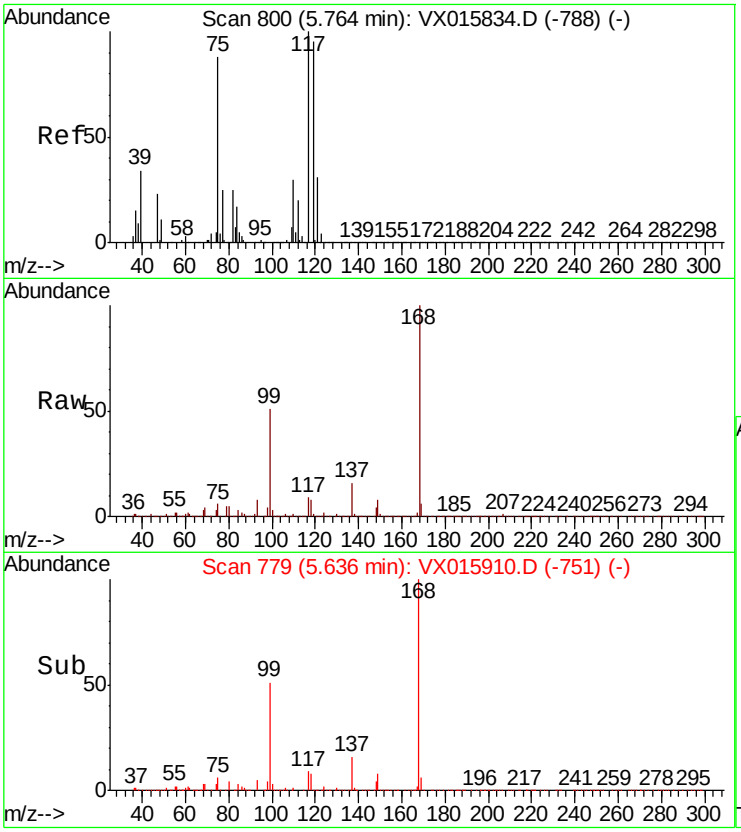


#36
1,1-Dichloropropene
Concen: 5.037 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.15 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 75 Resp: 58724

Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.9	53.8#
77	0.8	24.5	36.7#



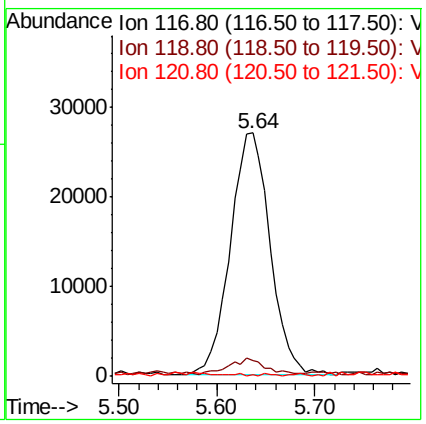


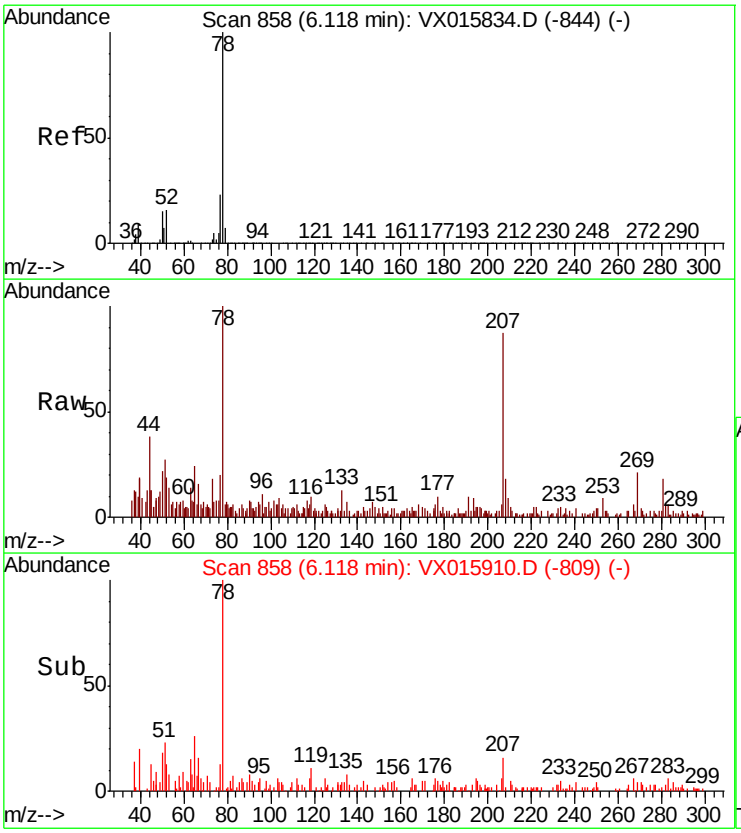
#38
Carbon Tetrachloride
Concen: 6.650 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion:117 Resp: 76360

Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.7	113.5#
121	0.2	25.0	37.6#

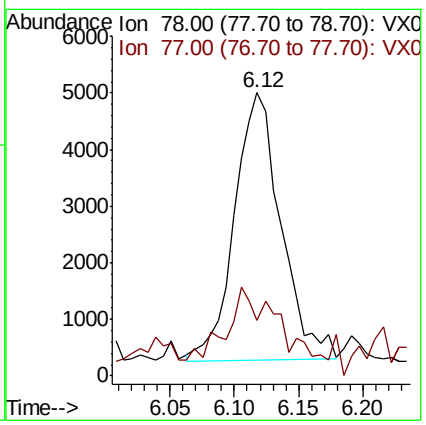


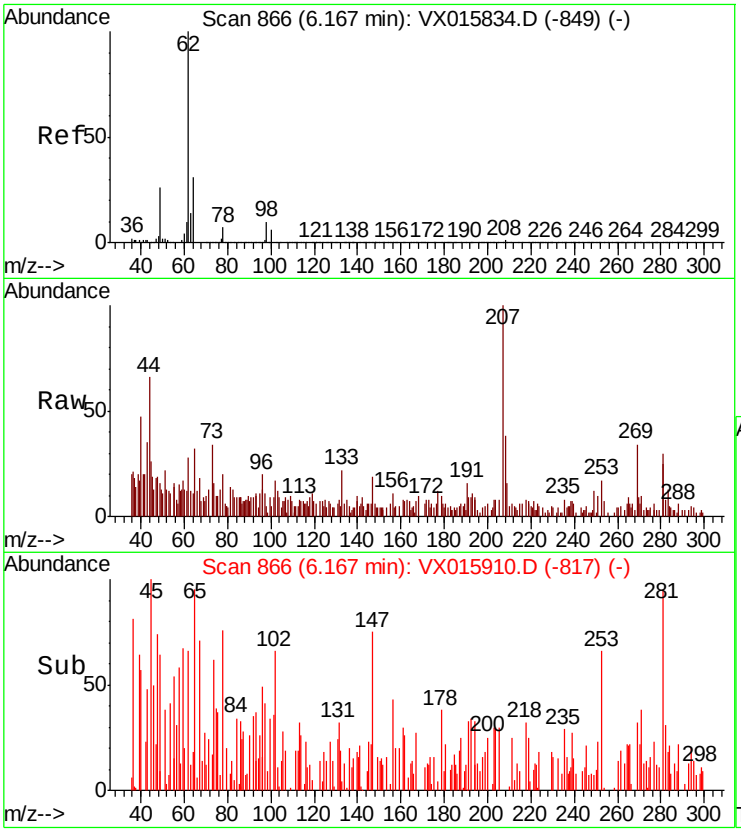


#40
Benzene
Concen: 0.335 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 78 Resp: 11778

Ion	Ratio	Lower	Upper
78	100		
77	15.2	18.6	27.8#



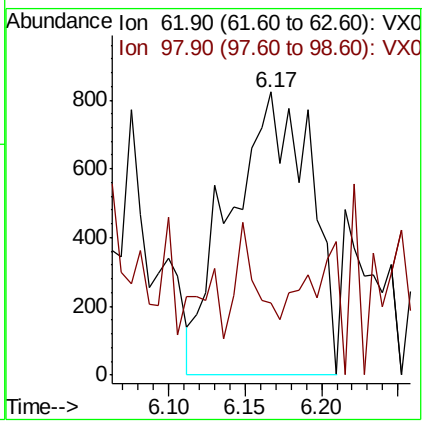


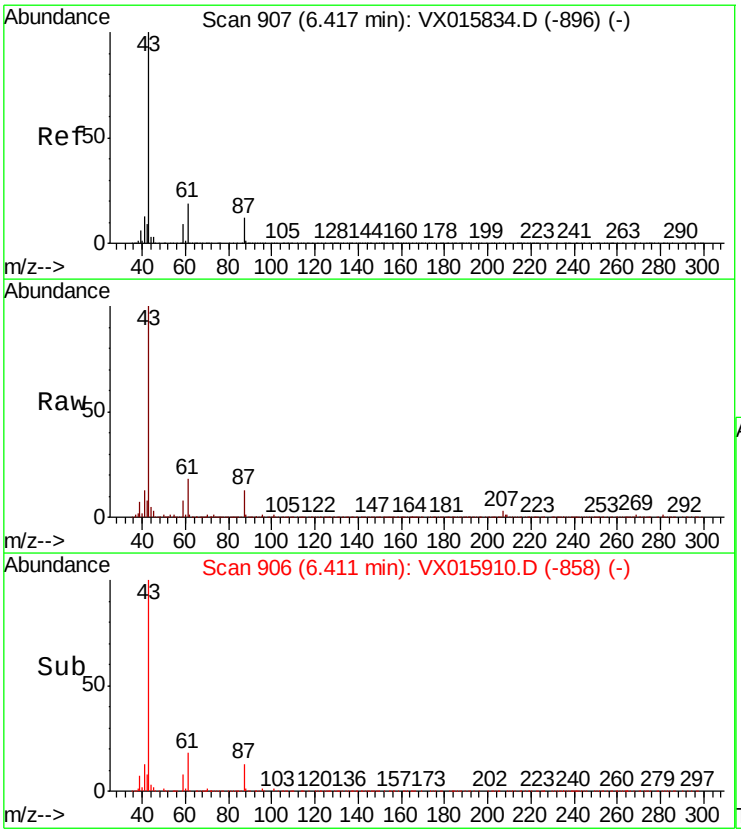
#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 6.17 min Scan# 866
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion: 62 Resp: 2979

Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	20.0

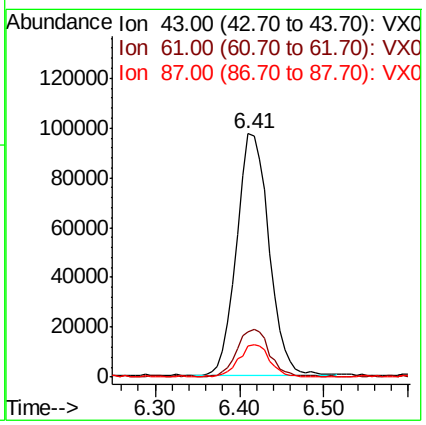


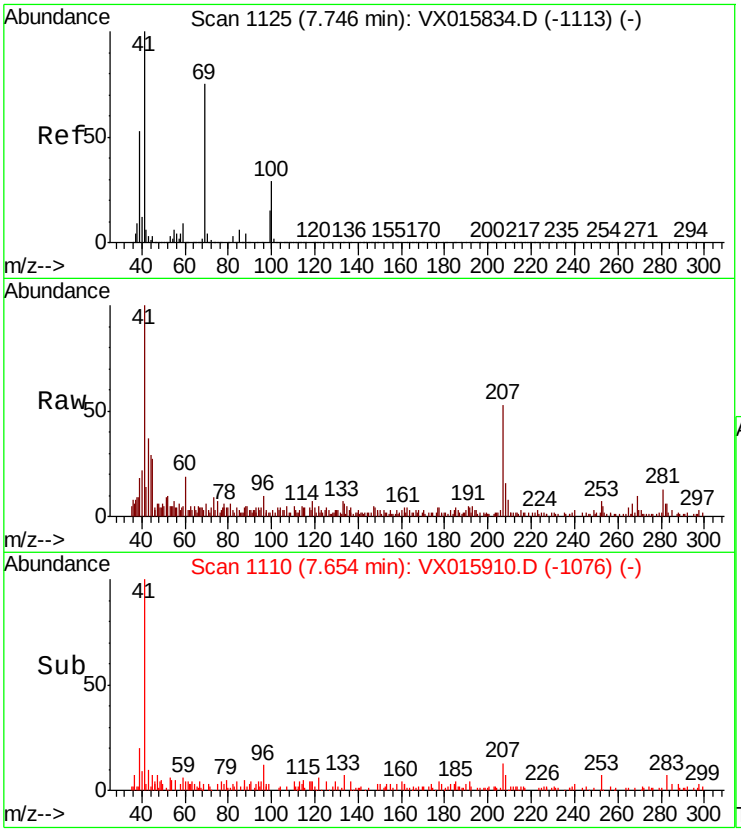


#43
Isopropyl Acetate
Concen: 10.730 ug/l
RT: 6.41 min Scan# 906
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 43 Resp: 251124

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.2
87	12.6	9.8	14.6



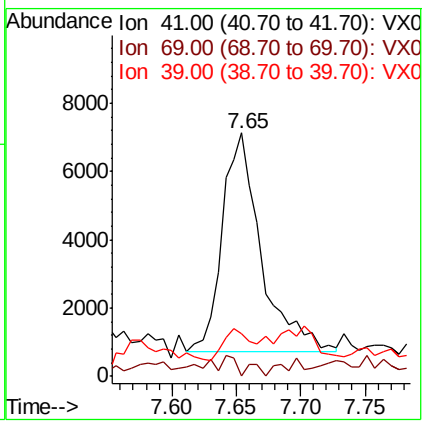


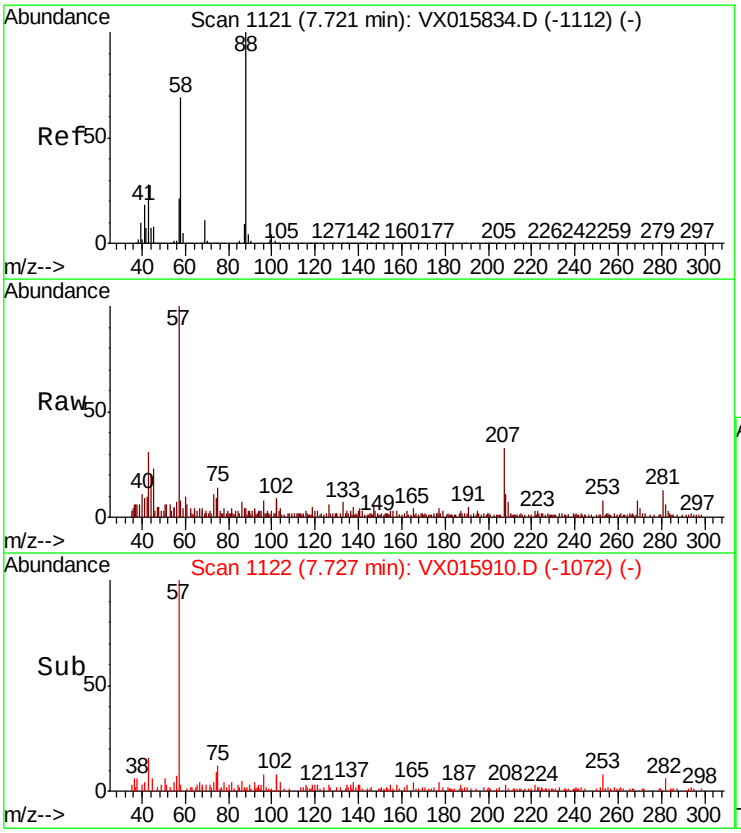
#48
Methyl methacrylate
Concen: 1.184 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.09 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 41 Resp: 13627

Ion	Ratio	Lower	Upper
41	100		
69	4.8	60.5	90.7#
39	0.0	42.1	63.1#

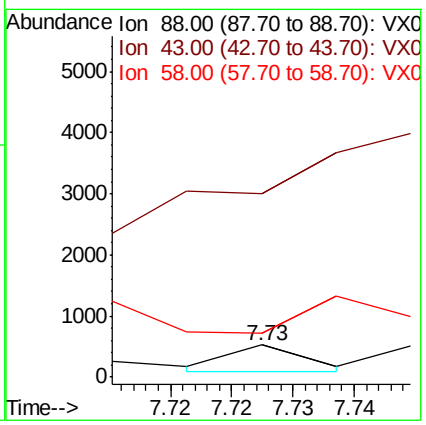


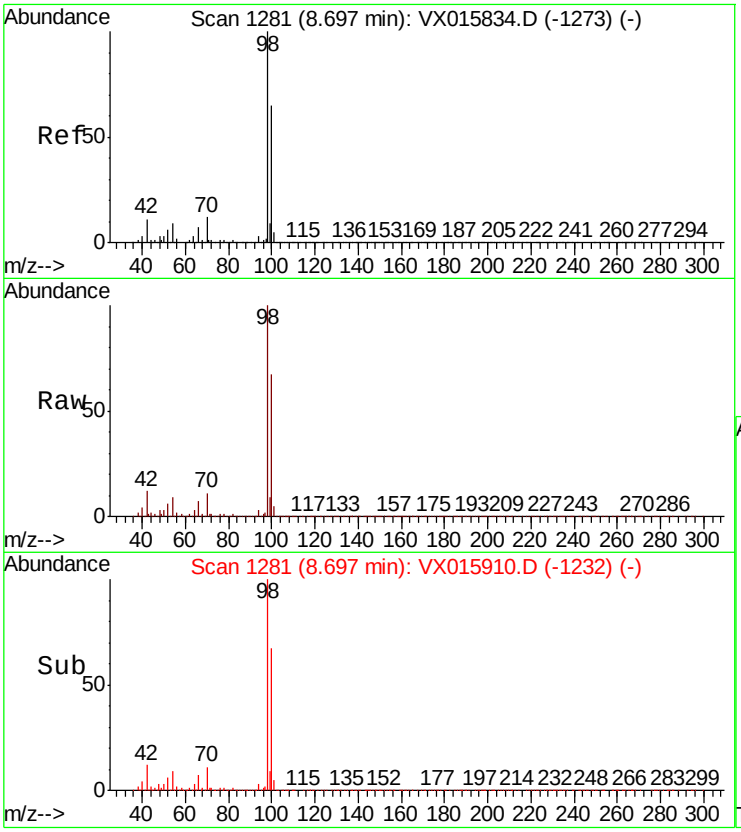


#49
1,4-Dioxane
Concen: 0.896 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 88 Resp: 195

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.2	42.4#
58	0.0	58.9	88.3#



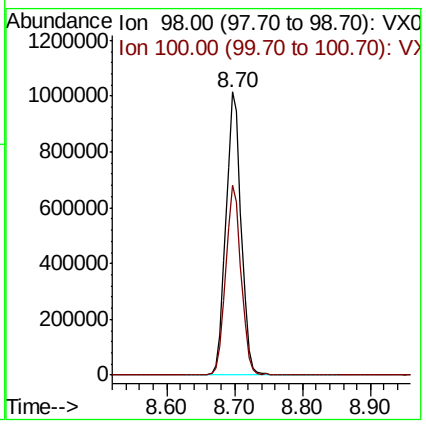


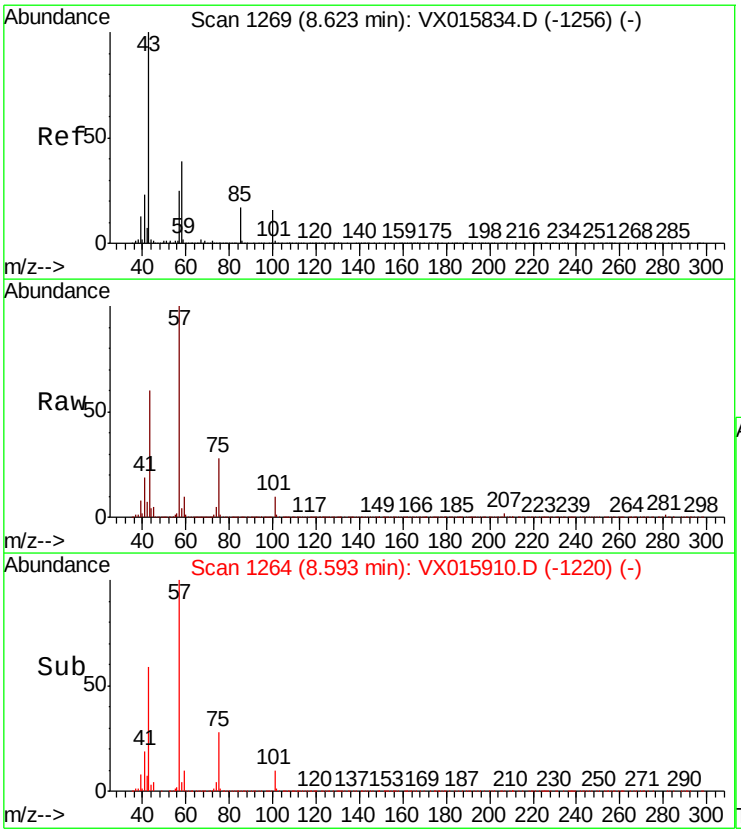
#50
Toluene-d8
Concen: 51.737 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion: 98 Resp: 1580973

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.8	80.6

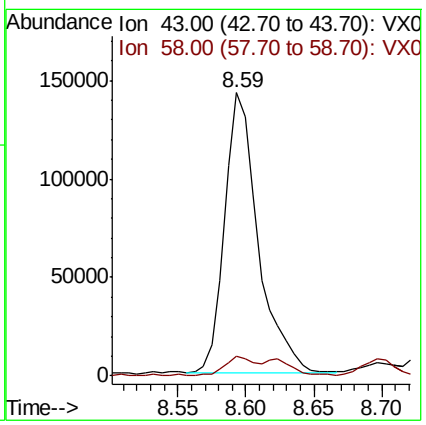


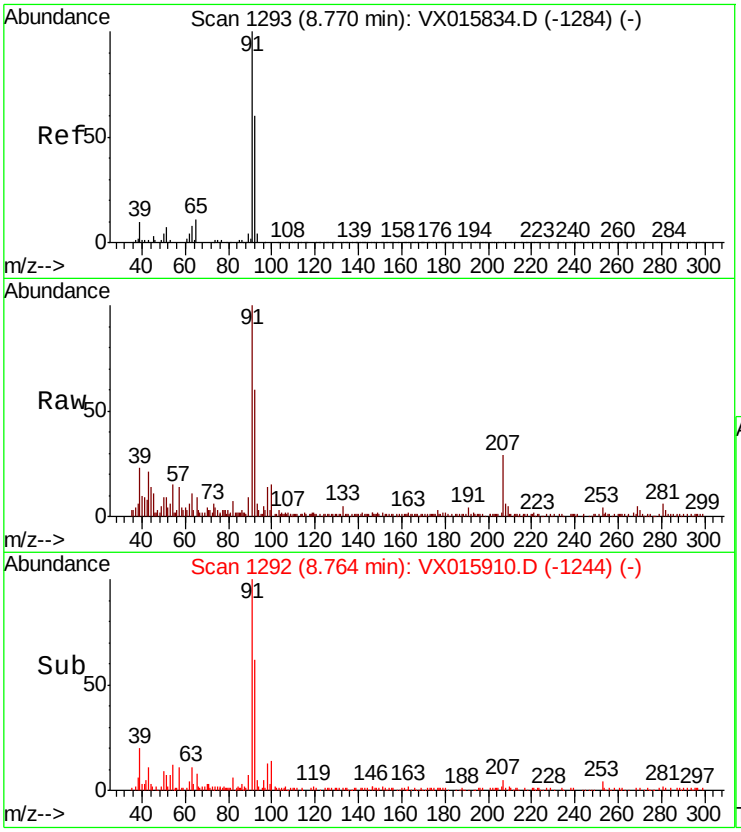


#51
4-Methyl-2-Pentanone
Concen: 17.933 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 43 Resp: 242255

Ion	Ratio	Lower	Upper
43	100		
58	6.3	30.6	45.8#



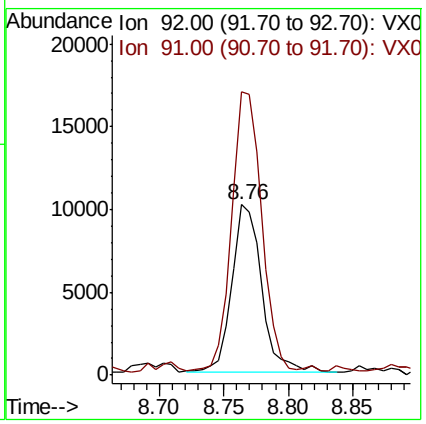


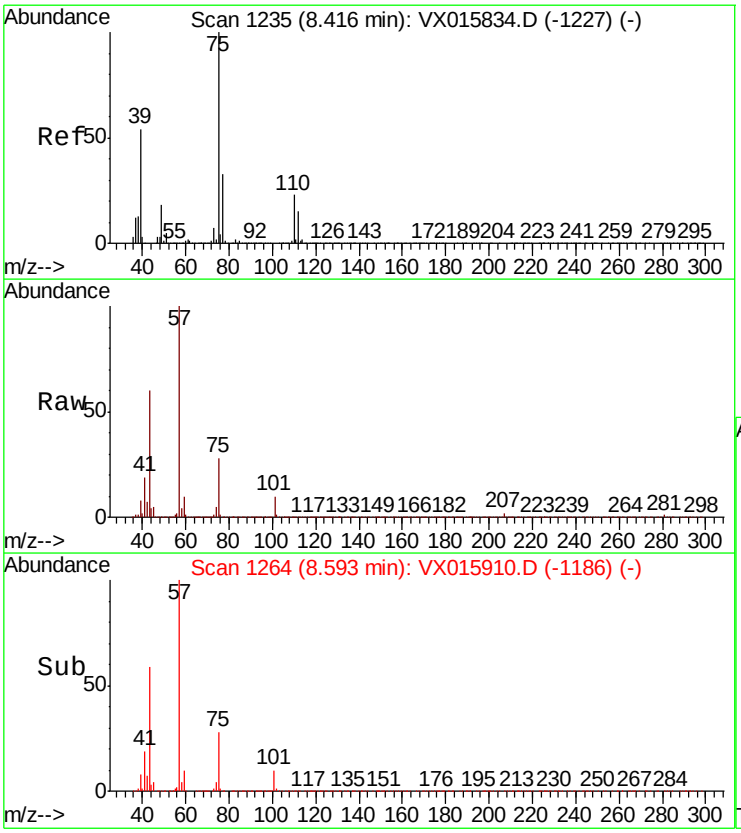
#52
Toluene
Concen: 0.732 ug/l
RT: 8.76 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion: 92 Resp: 16477

Ion	Ratio	Lower	Upper
92	100		
91	166.1	133.4	200.0

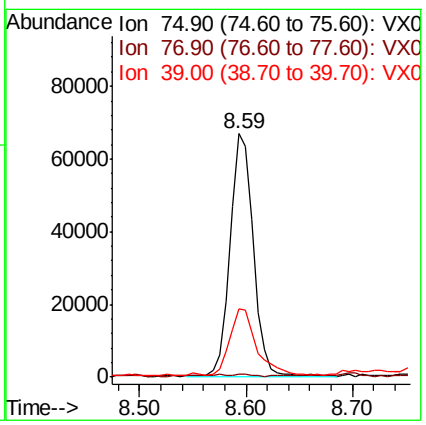


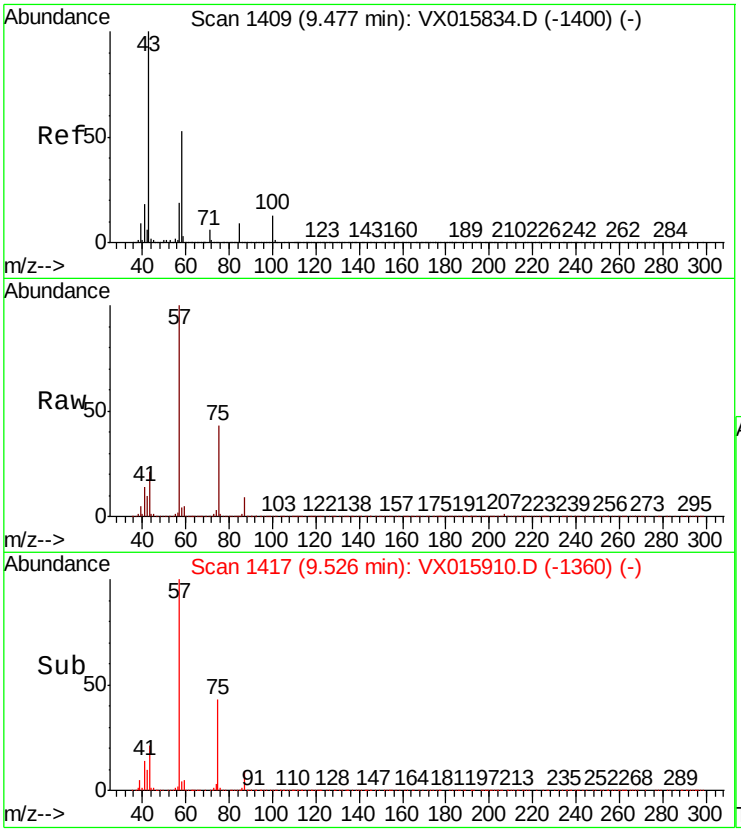


#54
cis-1,3-Dichloropropene
Concen: 6.617 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. 0.18 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 75 Resp: 103692

Ion	Ratio	Lower	Upper
75	100		
77	0.6	26.0	39.0#
39	26.4	42.8	64.2#



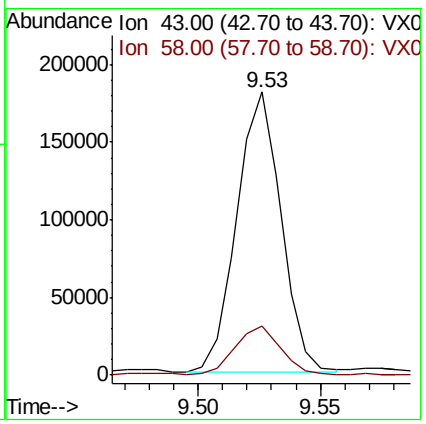


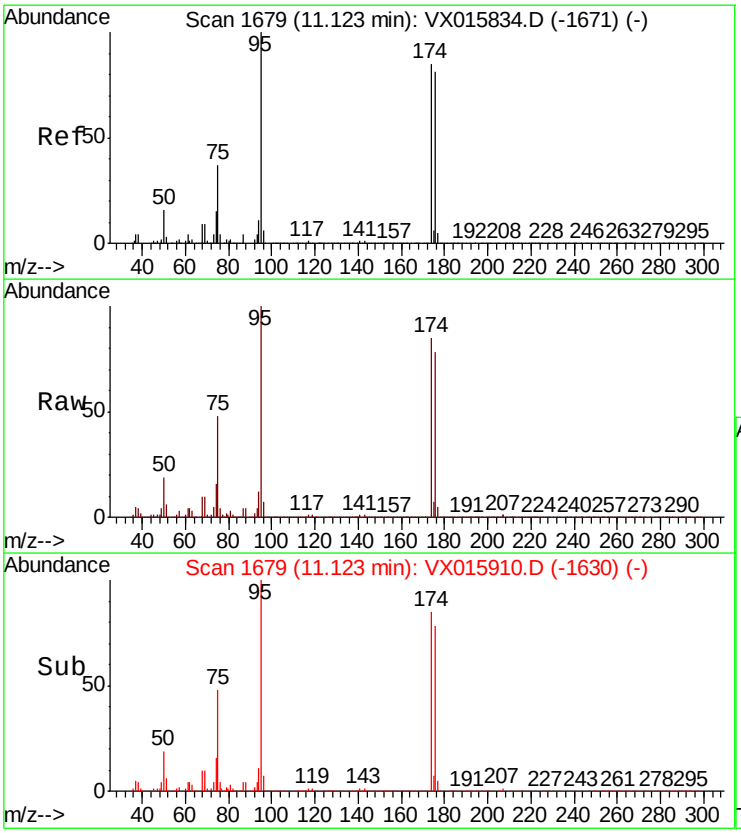
#59
2-Hexanone
Concen: 22.118 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion: 43 Resp: 227629

Ion	Ratio	Lower	Upper
43	100		
58	17.7	26.5	79.4#

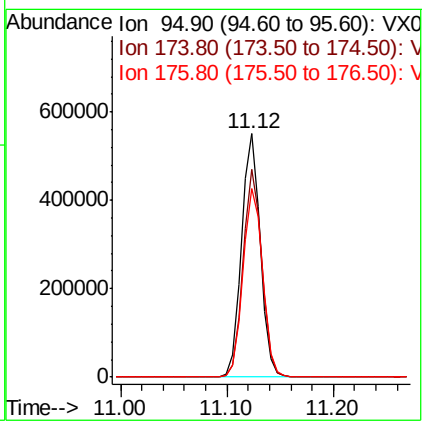


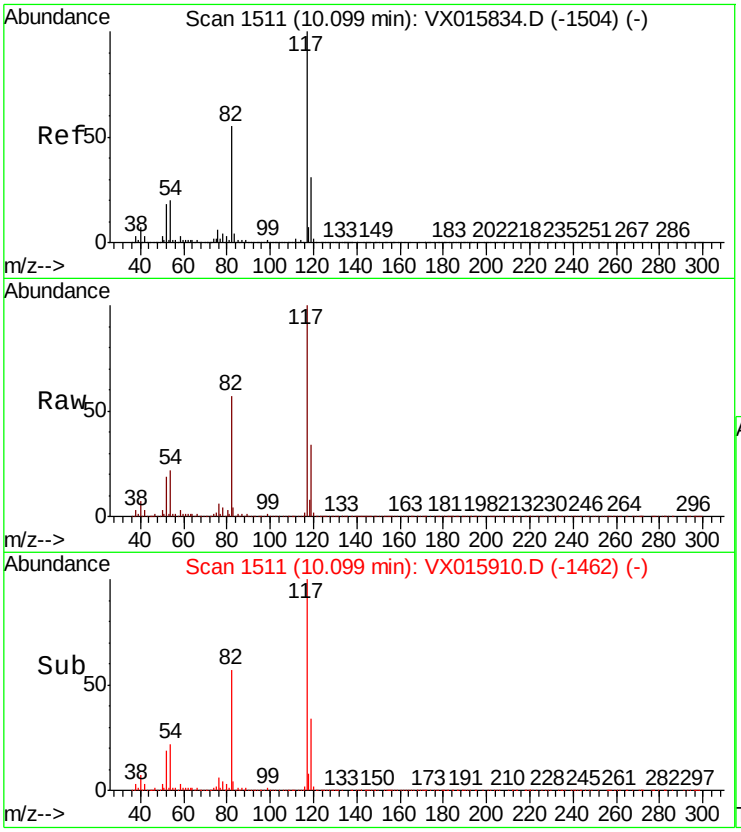


#62
4-Bromofluorobenzene
Concen: 54.473 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 95 Resp: 682858

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	172.4
176	81.0	0.0	167.0



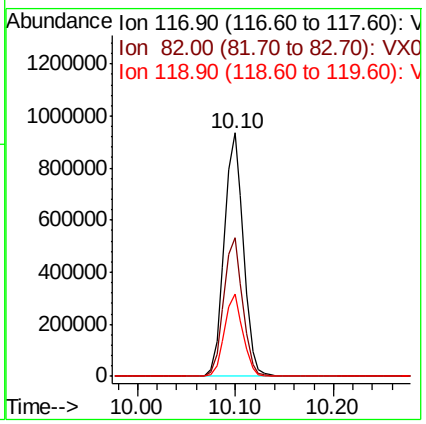


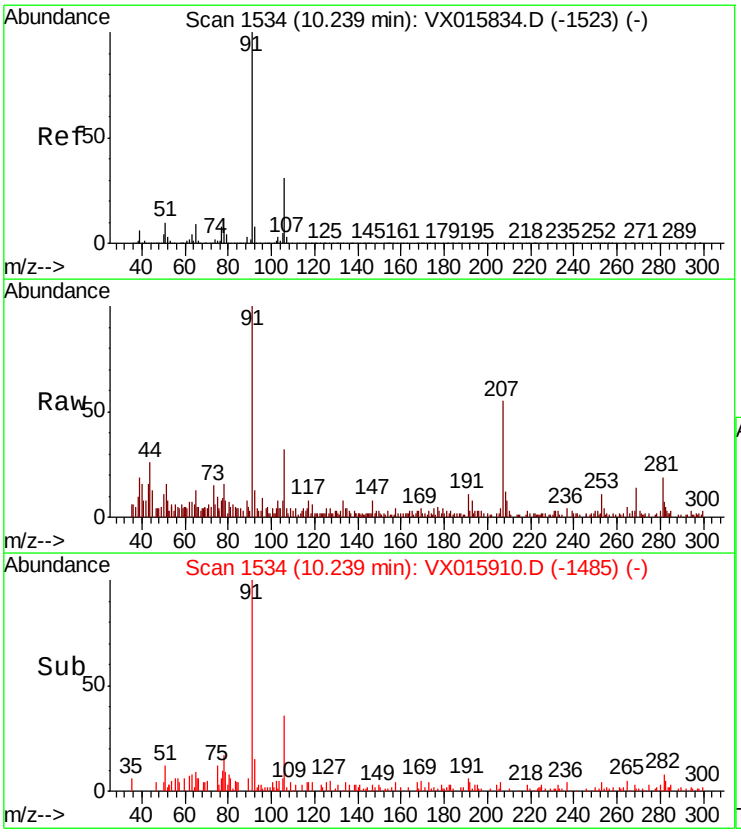
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion:117 Resp: 1271640

Ion	Ratio	Lower	Upper
117	100		
82	57.0	43.9	65.9
119	33.6	25.1	37.7

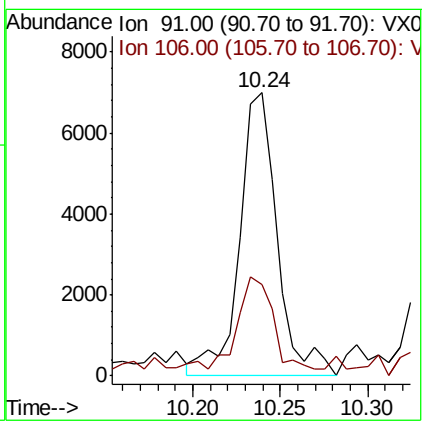


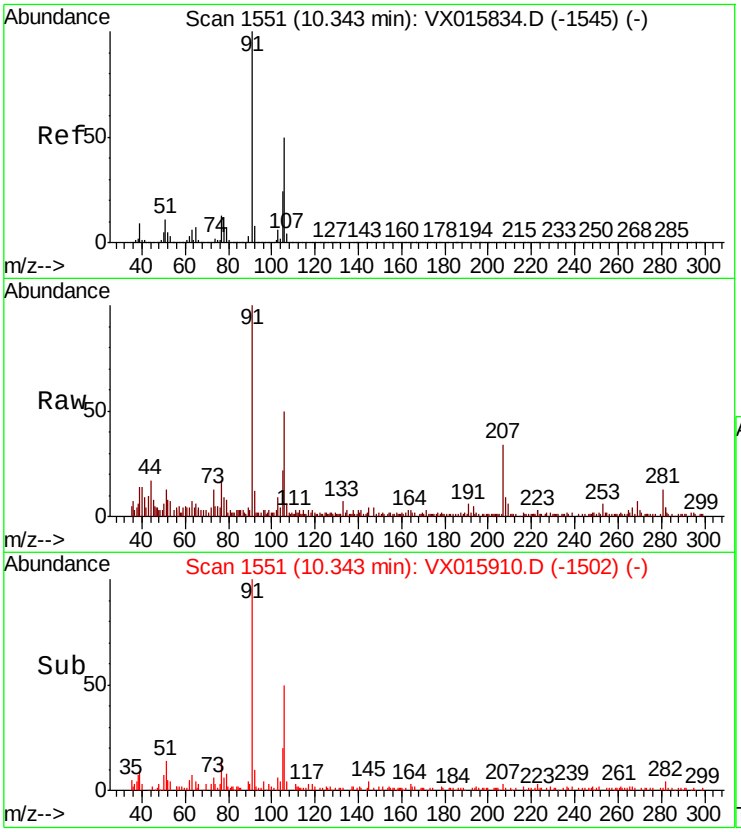


#67
Ethyl Benzene
Concen: 0.236 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 91 Resp: 10532

Ion	Ratio	Lower	Upper
91	100		
106	25.8	25.0	37.4



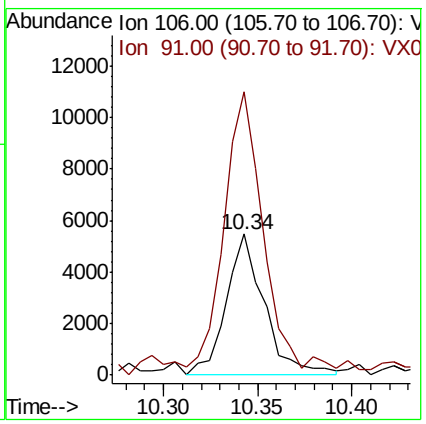


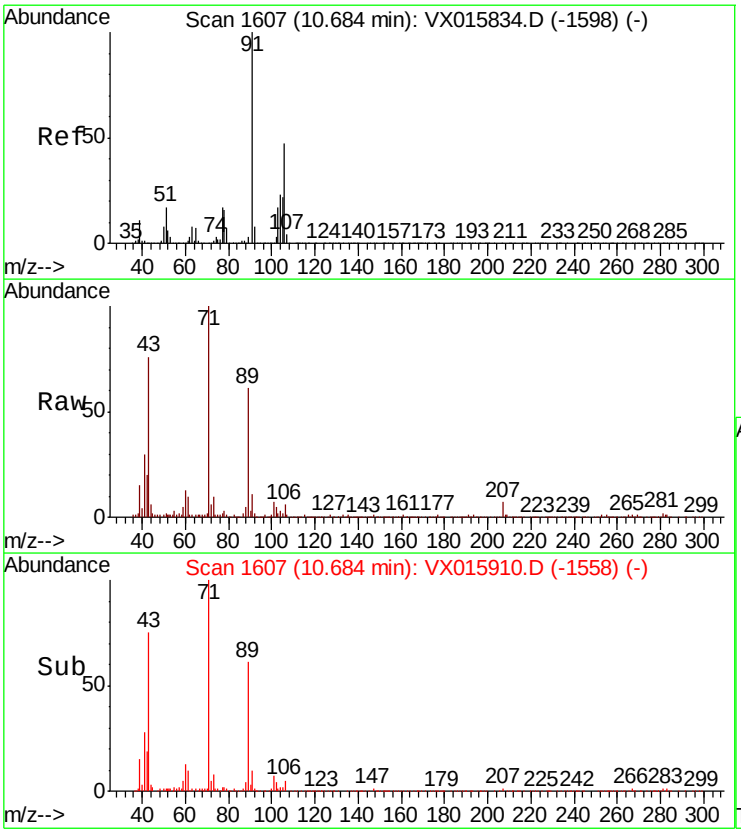
#68
m/p-Xylenes
Concen: 0.460 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion:106 Resp: 7714

Ion	Ratio	Lower	Upper
106	100		
91	200.5	161.1	241.7

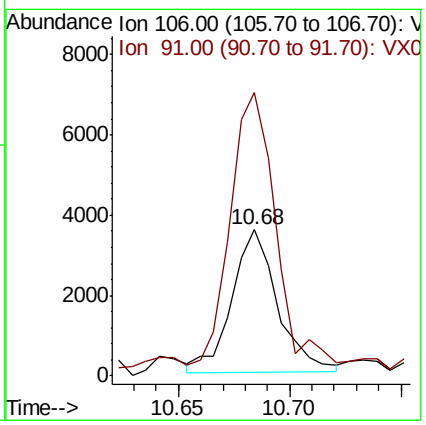


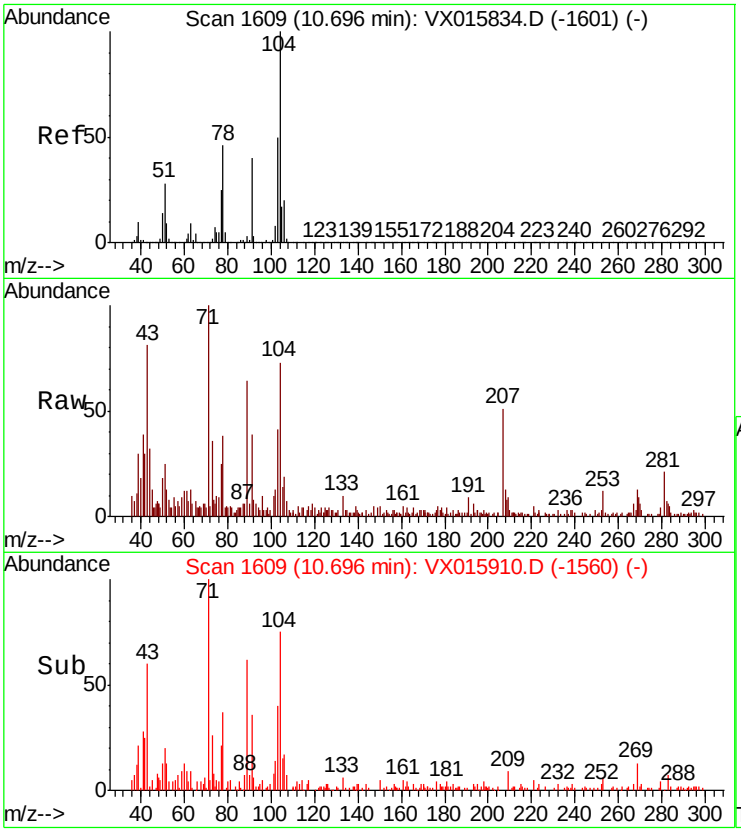


#69
o-Xylene
Concen: 0.307 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion:106 Resp: 5058

Ion	Ratio	Lower	Upper
106	100		
91	189.1	107.1	321.3



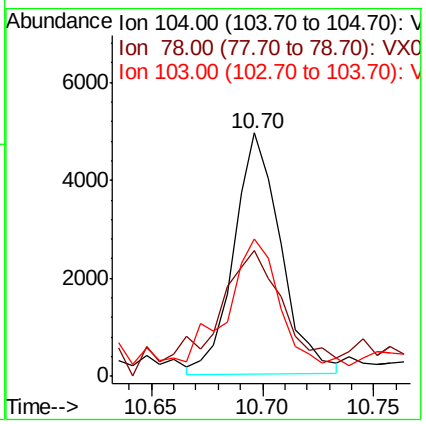


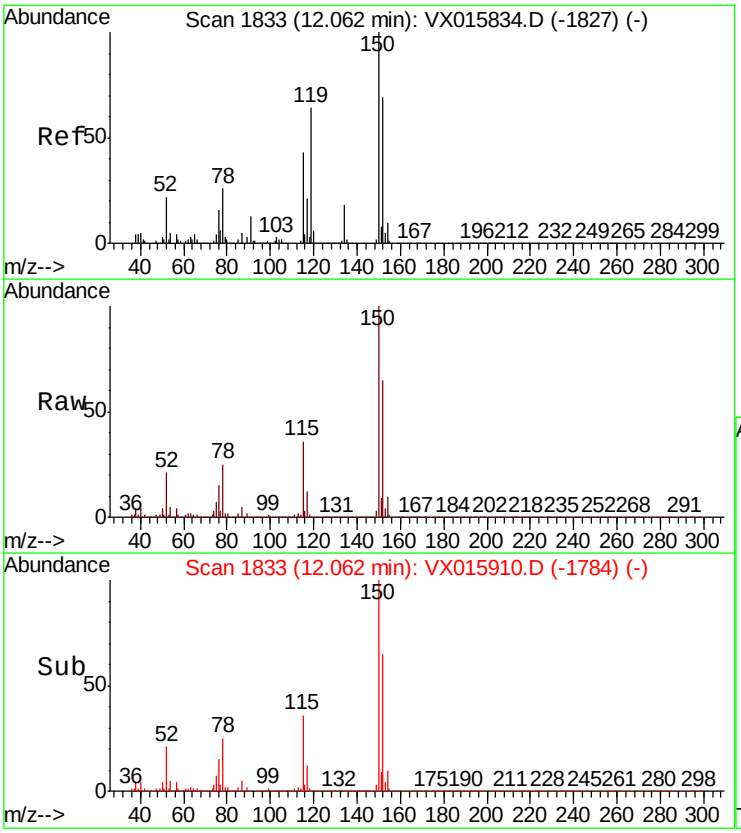
#70
Stvrene
Concen: 0.253 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument : MSVOA_X
ClientSampleId : OR-02-042220

Tgt Ion:104 Resp: 7233

Ion	Ratio	Lower	Upper
104	100		
78	81.8	40.1	60.1#
103	57.4	43.3	64.9

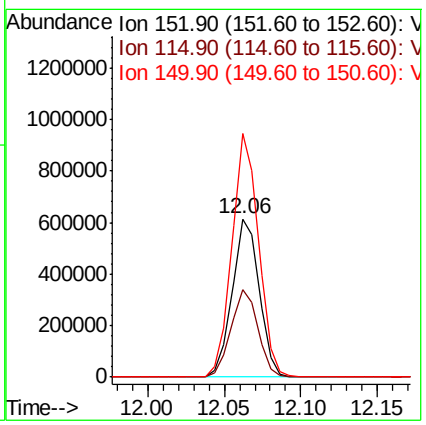


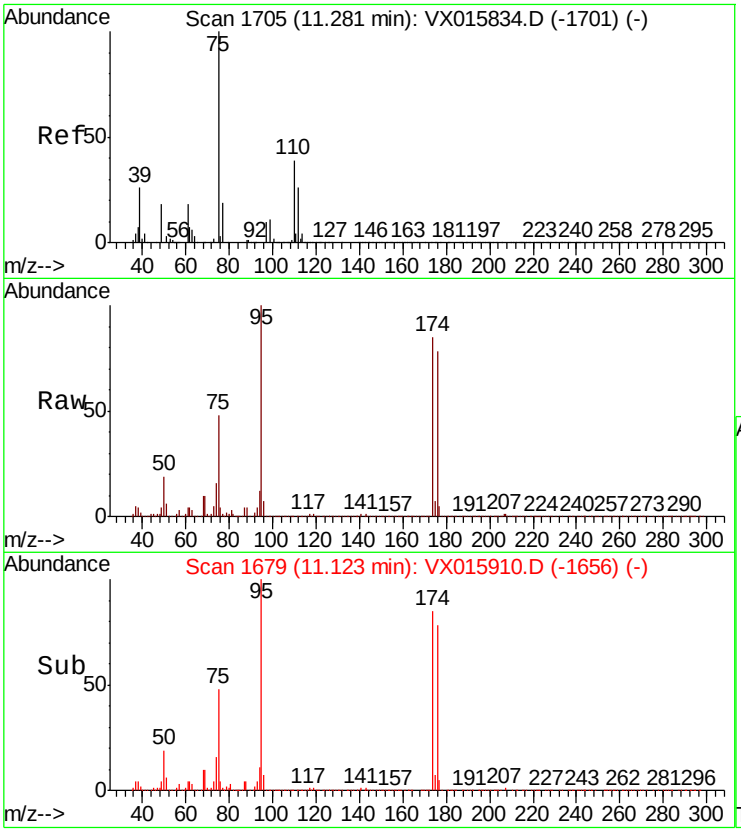


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion:152 Resp: 747732

Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.0	116.9
150	151.6	0.0	336.8



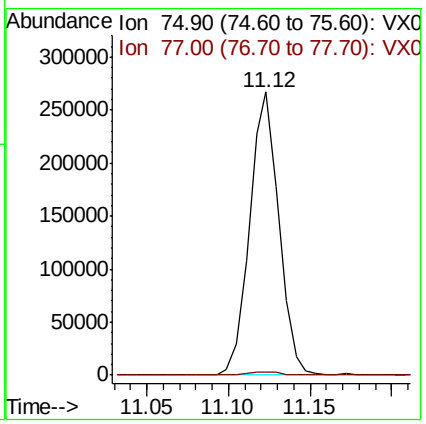


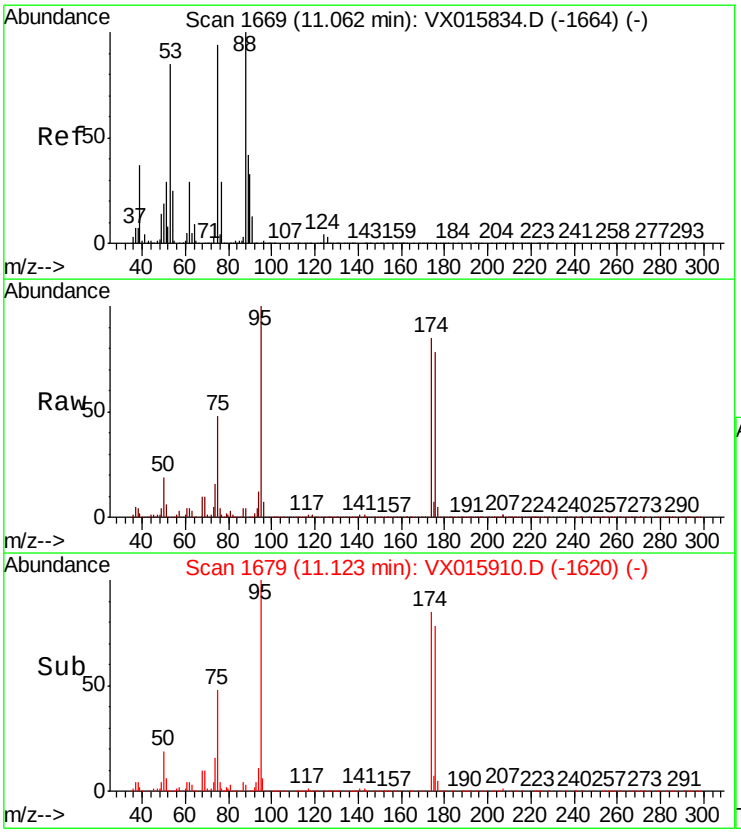
#76
1,2,3-Trichloropropane
Concen: 23.366 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion: 75 Resp: 332240

Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.3	63.9#

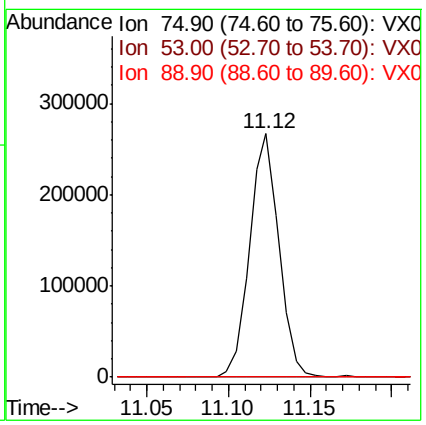


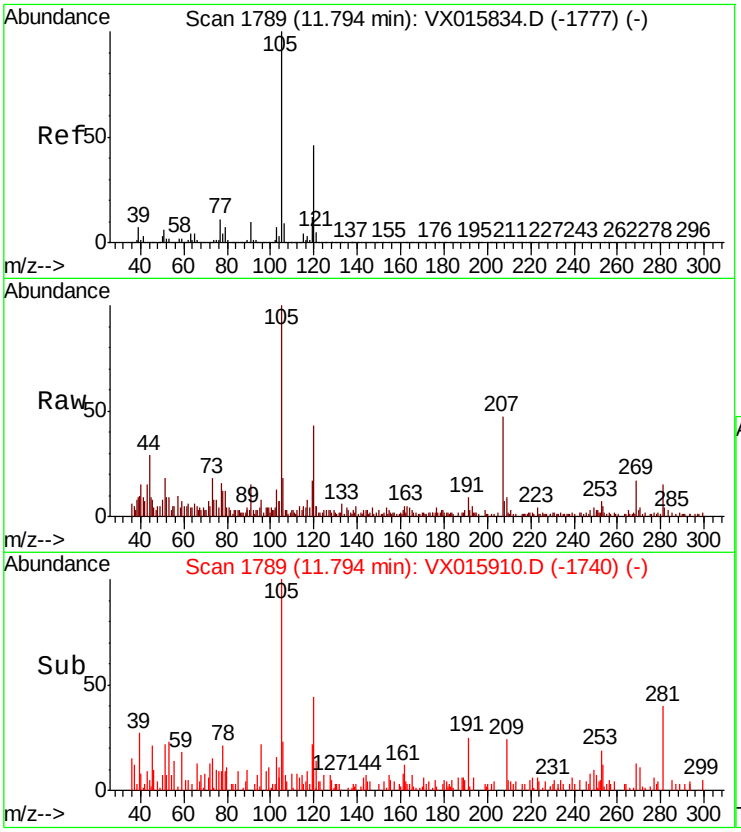


#81
trans-1,4-Dichloro-2-butene
Concen: 56.209 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion: 75 Resp: 332240

Ion	Ratio	Lower	Upper
75	100		
53	0.3	74.2	111.2#
89	0.1	38.0	57.0#



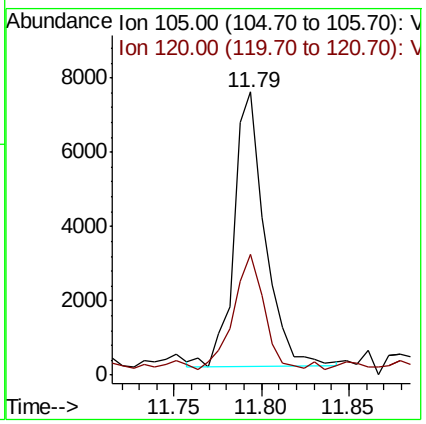


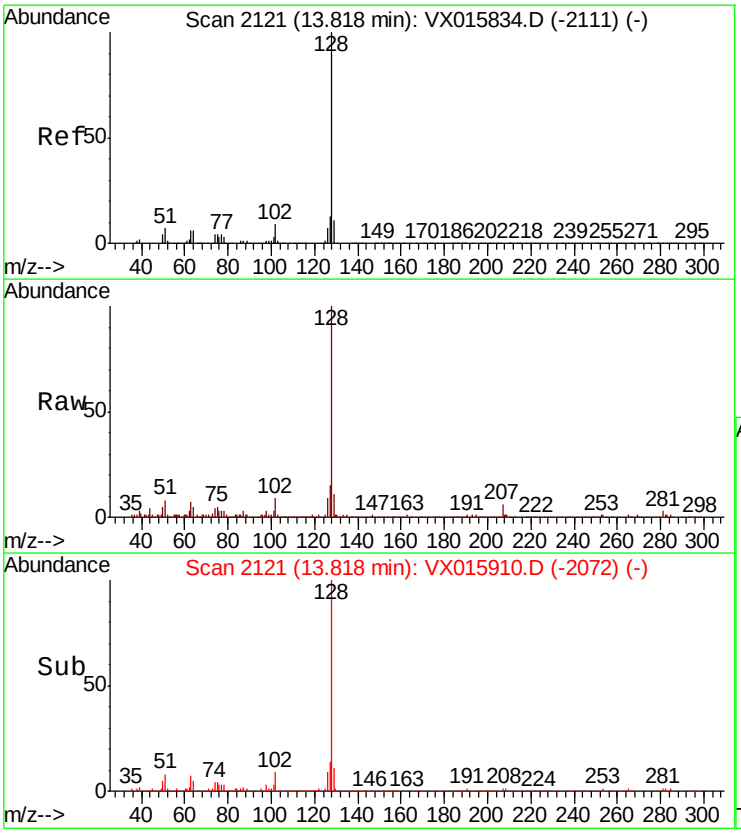
#84
1,2,4-Trimethylbenzene
Concen: 0.215 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
OR-02-042220

Tgt Ion:105 Resp: 9057

Ion	Ratio	Lower	Upper
105	100		
120	42.0	22.9	68.7





#95
Naphthalene
Concen: 1.766 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015910.D
Acq: 23 Apr 2020 23:26

Tgt Ion:128 Resp: 90434

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.5	15.7
129	11.8	8.5	12.7