Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060248.D
Acq On : 10 Sep 2018 21:23
Operator : VA/AP
Sample : J4775-03RE
Misc : 6.21/5mL/MSVOA F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Quant Time: Sep 11 07:20:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.05	168	90527	50.00	ug/l		0.01
34) 1,4-Difluorobenzene	5.77	114	119236	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.92	117	96102	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	47521	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.02	65	48700	30.79	ug/l		0.00
Spiked Amount 50.000			Recovery = 61.58%				
35) Dibromofluoromethane	4.29	113	40812	34.94	ug/l		0.00
Spiked Amount 50.000			Recovery = 69.88%				
50) Toluene-d8	7.71	98	78559	26.95	ug/l		0.00
Spiked Amount 50.000			Recovery = 53.90%				
62) 4-Bromofluorobenzene	11.51	95	42265	25.70	ug/l		0.00
Spiked Amount 50.000			Recovery = 51.40%				
Target Compounds							Qvalue
3) Chloromethane	1.09	50	1382	1.52	ug/l	#	41
5) Bromomethane	1.35	94	695	1.11	ug/l	#	2
11) Tert butyl alcohol	2.65	59	510	17.77	ug/l	#	75
13) Acrolein	2.09	56	67	Below Cal		#	1
14) Allyl chloride	2.27	41	1286	1.32	ug/l	#	27
16) Acetone	2.33	43	3781	20.21	ug/l	#	84
18) Methyl Acetate	2.49	43	1509	2.82	ug/l	#	64
20) Methylene Chloride	2.29	84	1013	Below Cal		#	60
23) Vinyl Acetate	3.38	43	70	22.86	ug/l	#	82
25) 2-Butanone	4.51	43	723	1.63	ug/l	#	59
26) 2,2-Dichloropropane	3.87	77	70	2.06	ug/l	#	64
37) Ethyl Acetate	4.29	43	128	Below Cal		#	17
39) Methylcyclohexane	5.63	83	1510	1.28	ug/l	#	40
51) 4-Methyl-2-Pentanone	8.40	43	1172	1.62	ug/l	#	42
52) Toluene	7.78	92	4001	2.07	ug/l		80
58) 2-Chloroethyl Vinyl ether	7.78	63	825	9.42	ug/l		100
59) 2-Hexanone	9.64	43	2228	2.95	ug/l		94
68) m/p-Xylenes	10.28	106	2305	1.85	ug/l	#	66
69) o-Xylene	10.84	106	3494	2.63	ug/l		93
74) N-amyl acetate	11.48	43	507	5.50	ug/l	#	42
80) 1,3,5-Trimethylbenzene	11.91	105	13145	4.54	ug/l		79
81) trans-1,4-Dichloro-2-buten	11.97	75	161	3.80	ug/l	#	9
84) 1,2,4-Trimethylbenzene	12.29	105	13310	4.53	ug/l		99
86) p-Isopropyltoluene	12.51	119	7385	2.29	ug/l		96
89) n-Butylbenzene	12.91	91	4741	1.52	ug/l	#	1
90) Hexachloroethane	13.01	117	710	1.08	ug/l	#	14
95) Naphthalene	14.52	128	17355	11.76	ug/l		98

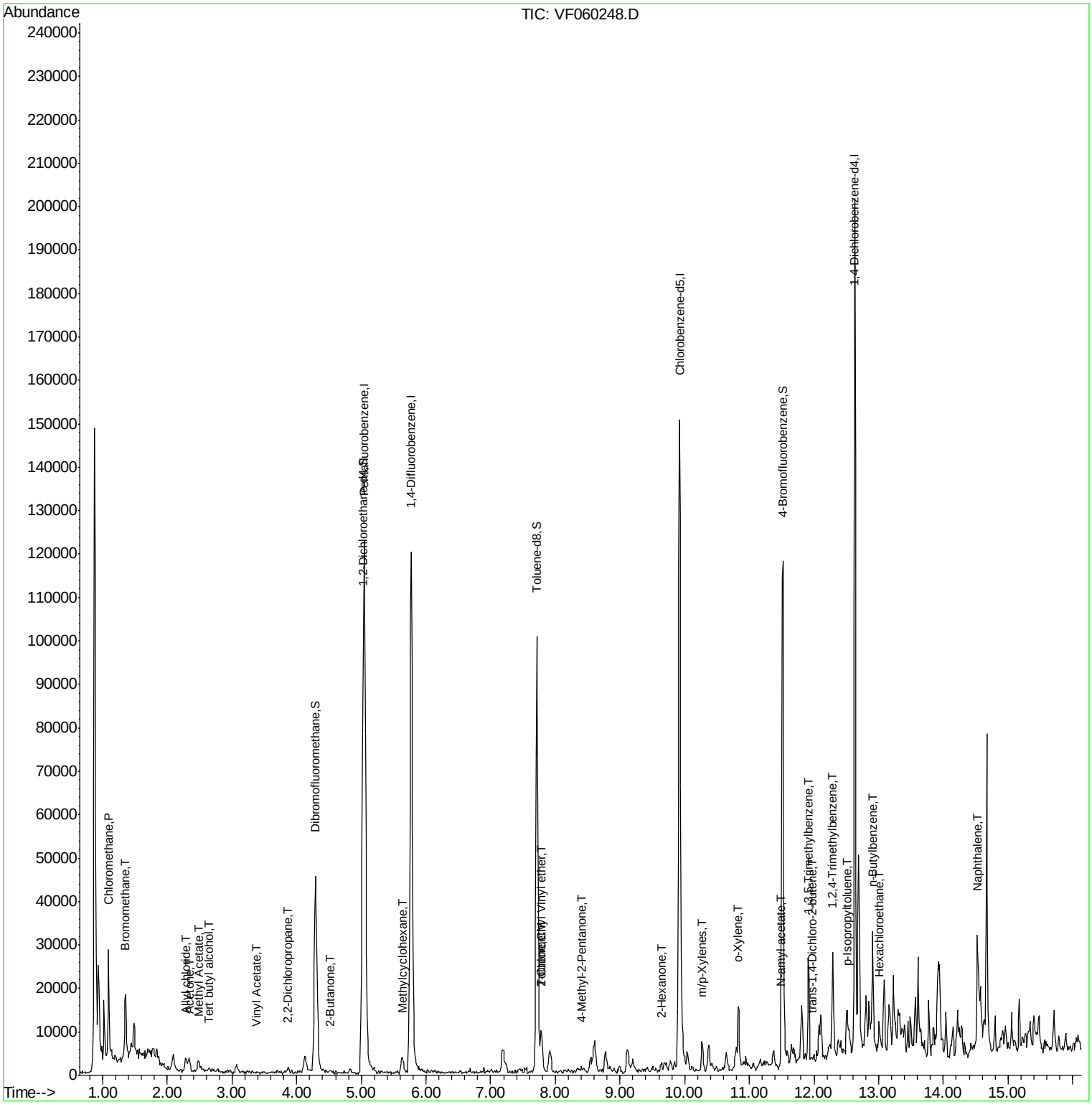
(#) = qualifier out of range (m) = manual integration (+) = signals summed

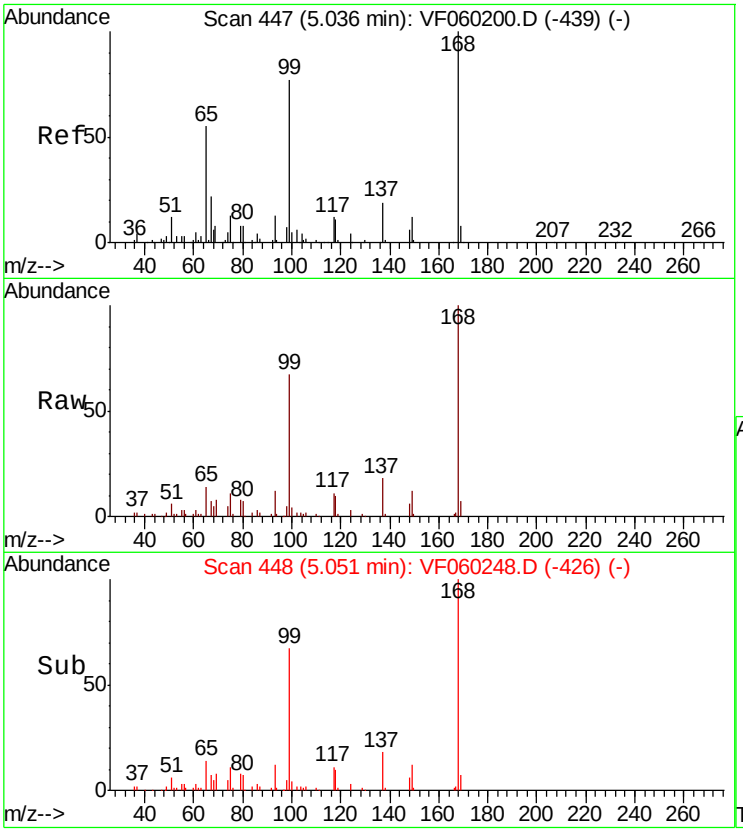
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091018\
Data File : VF060248.D
Acq On : 10 Sep 2018 21:23
Operator : VA/AP
Sample : J4775-03RE
Misc : 6.21/5mL/MSVOA_F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Quant Time: Sep 11 07:20:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration



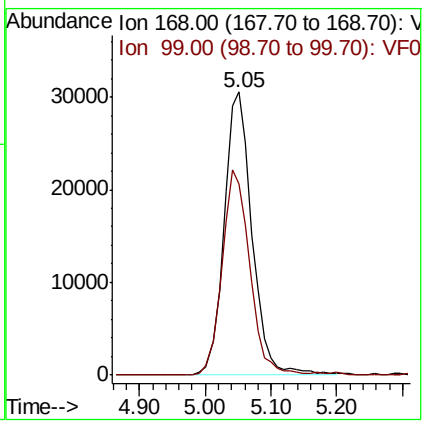


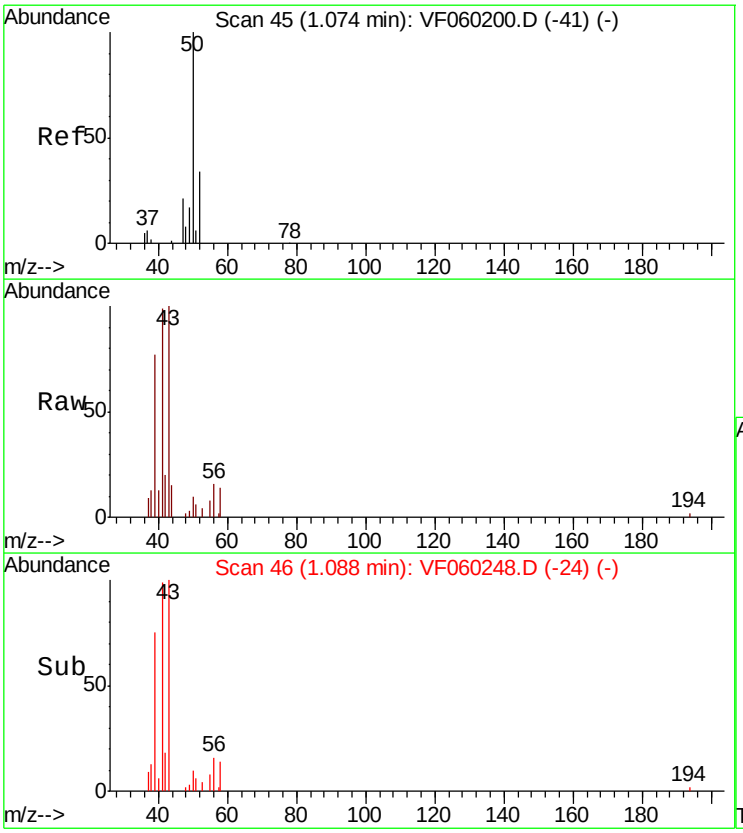
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.05 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion:168 Resp: 90527

Ion	Ratio	Lower	Upper
168	100		
99	67.4	61.8	92.6

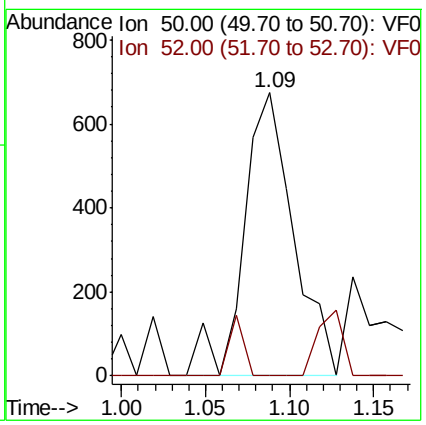


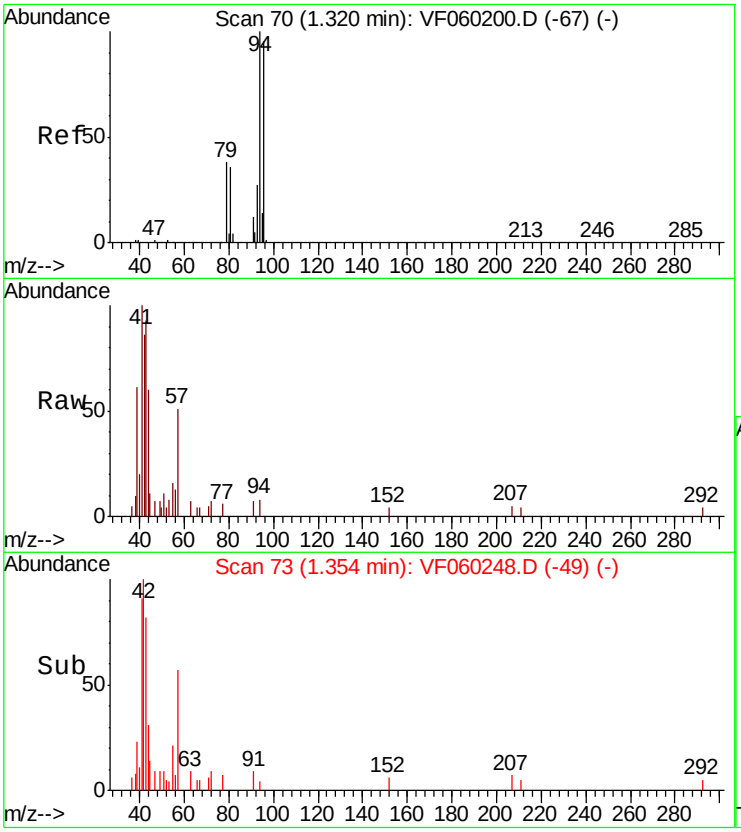


#3
Chloromethane
Concen: 1.52 ug/l
RT: 1.09 min Scan# 46
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 50 Resp: 1382

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.9	40.3#



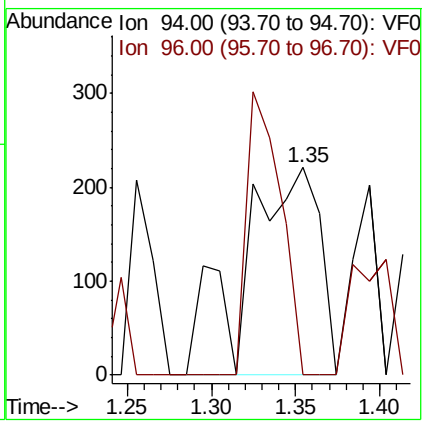


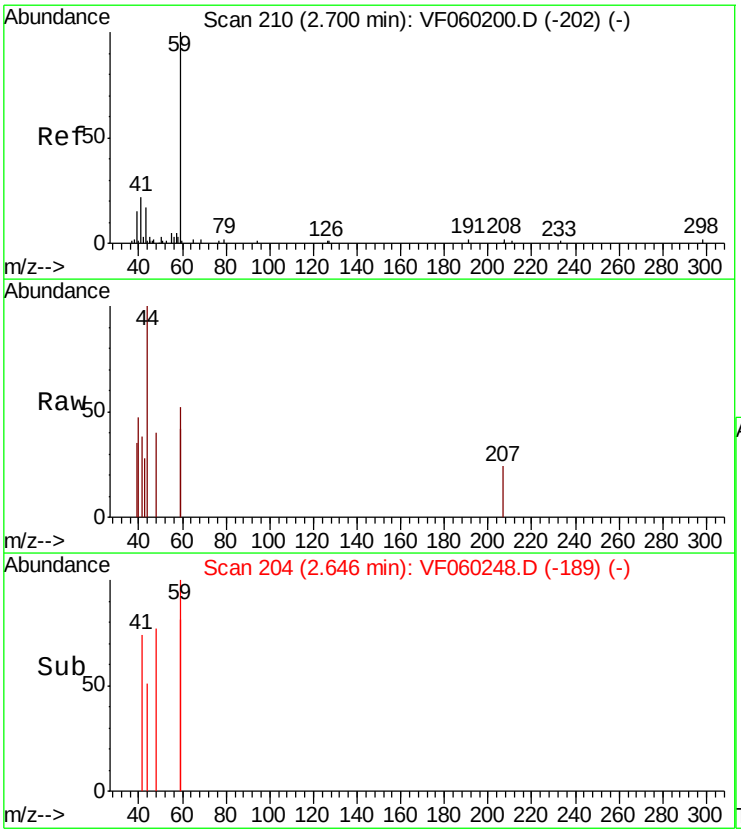
#5
Bromomethane
Concen: 1.11 ug/l
RT: 1.35 min Scan# 73
Delta R.T. 0.03 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 94 Resp: 695

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.8	113.6#

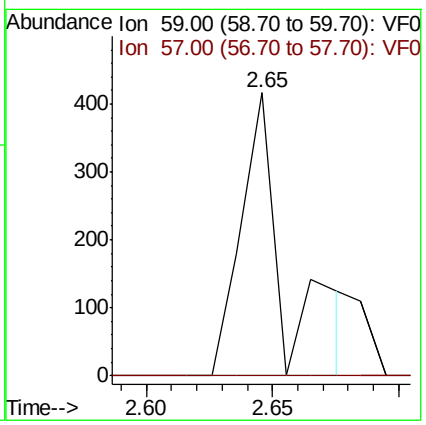


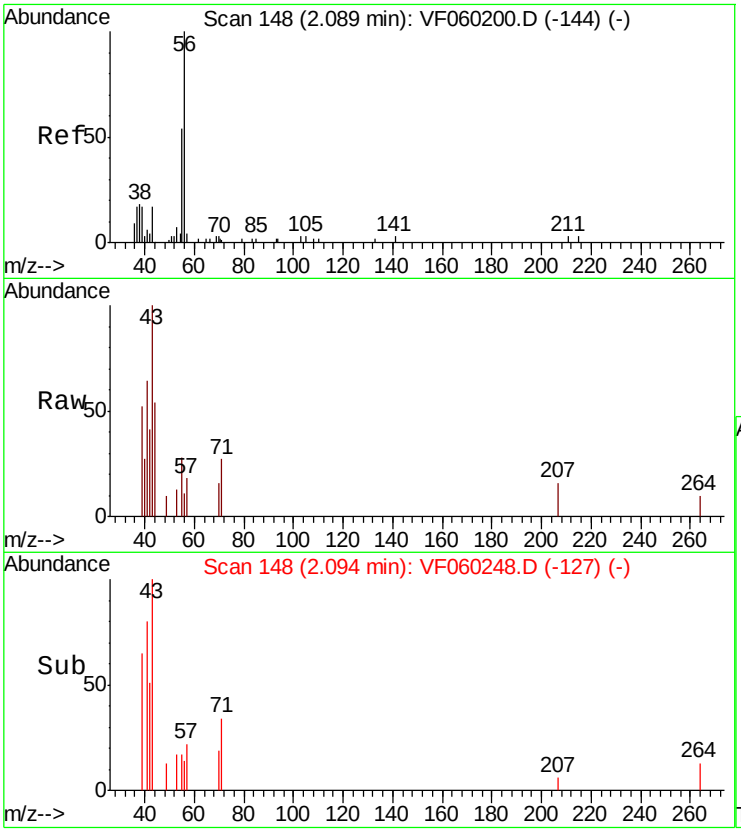


#11
Tert butyl alcohol
Concen: 17.77 ug/l
RT: 2.65 min Scan# 204
Delta R.T. -0.05 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 59 Resp: 510

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.2	10.8#



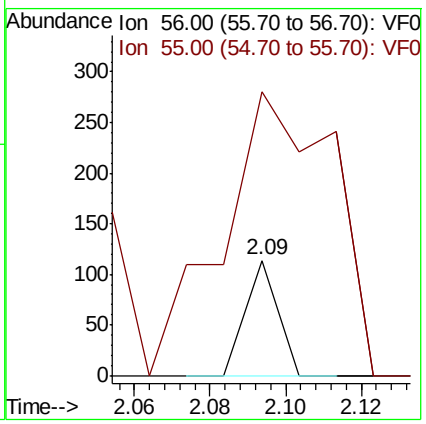


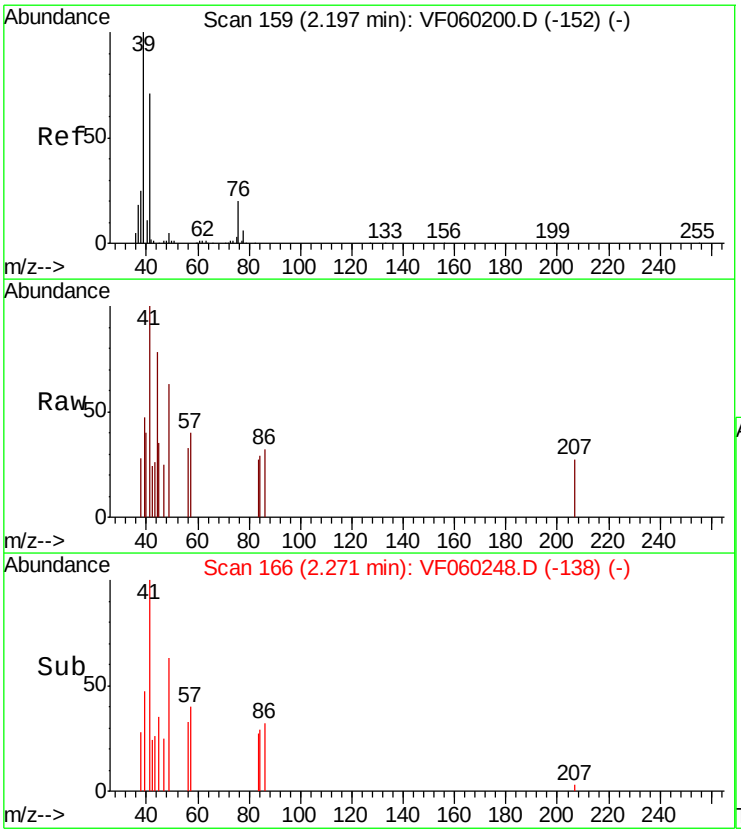
#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 148
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Tgt Ion: 56 Resp: 67

Ion	Ratio	Lower	Upper
56	100		
55	245.6	45.1	67.7#

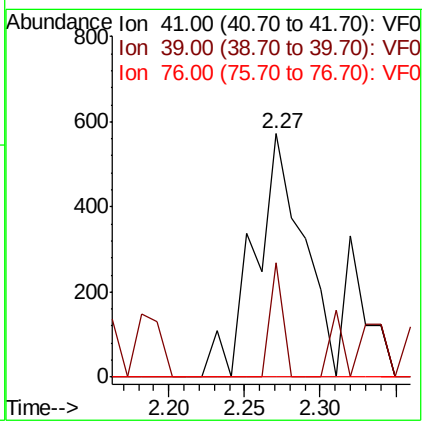


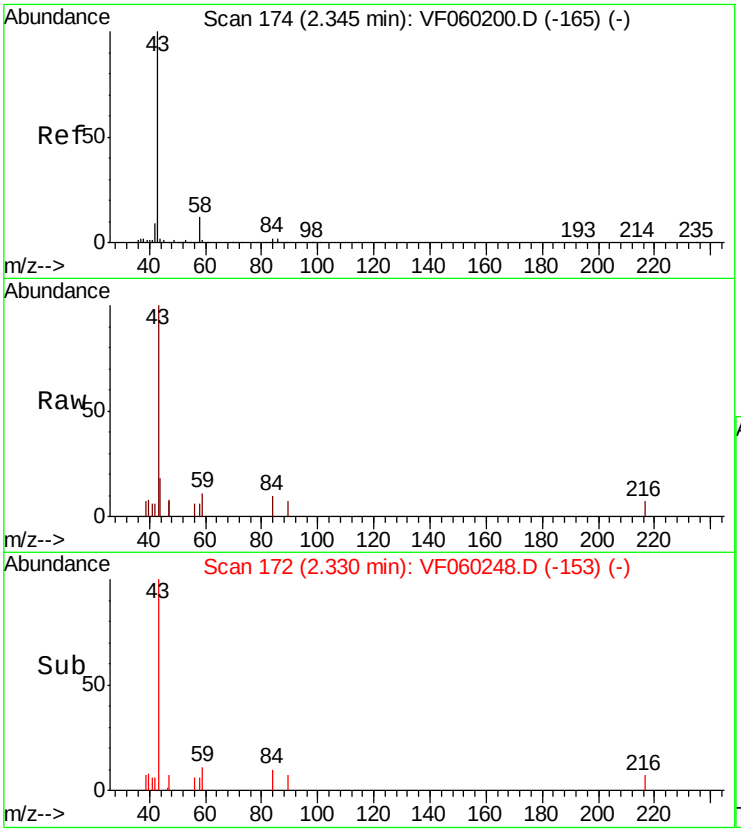


#14
Allyl chloride
Concen: 1.32 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.07 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 41 Resp: 1286

Ion	Ratio	Lower	Upper
41	100		
39	47.0	112.2	168.2#
76	0.0	23.2	34.8#



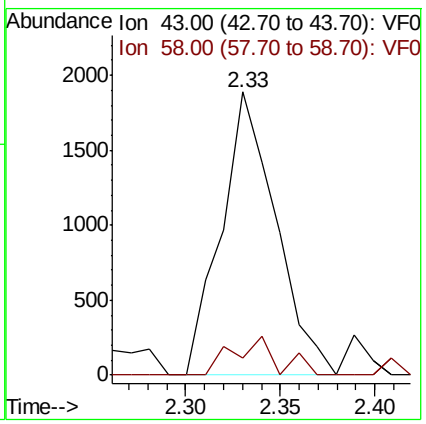


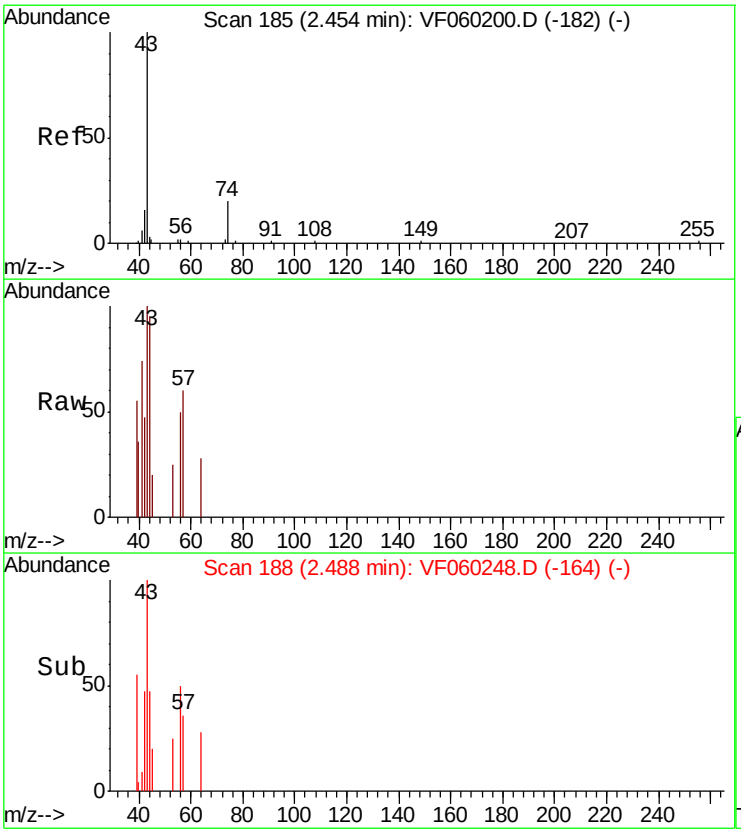
#16
Acetone
Concen: 20.21 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 43 Resp: 3781

Ion	Ratio	Lower	Upper
43	100		
58	5.9	9.7	14.5#

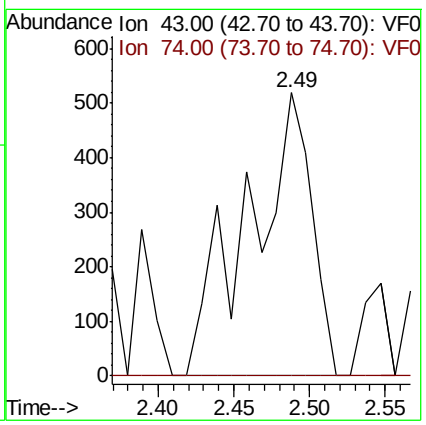


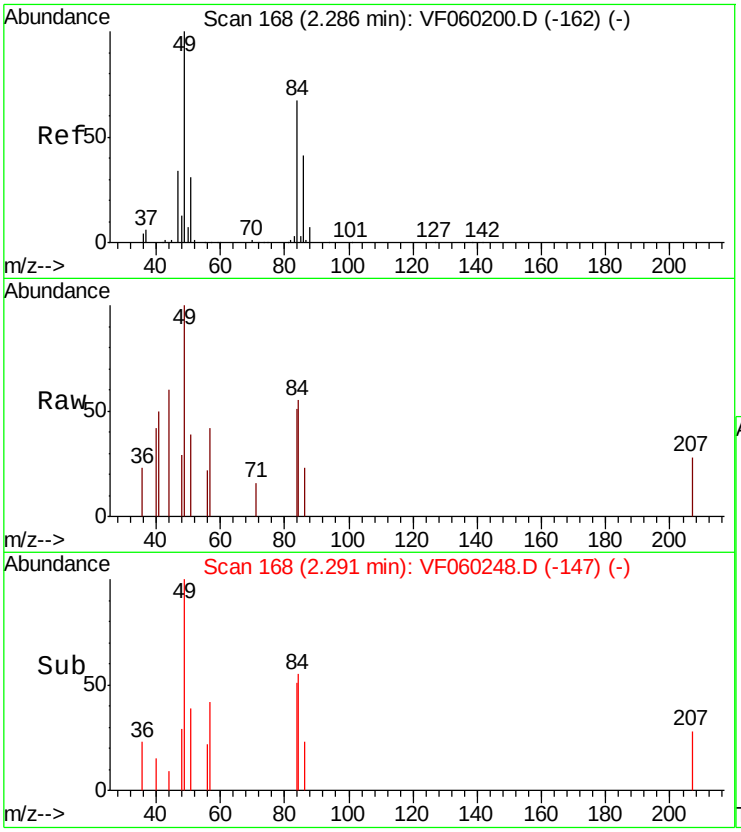


#18
Methyl Acetate
Concen: 2.82 ug/l
RT: 2.49 min Scan# 188
Delta R.T. 0.03 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 43 Resp: 1509

Ion	Ratio	Lower	Upper
43	100		
74	0.0	11.9	17.9#



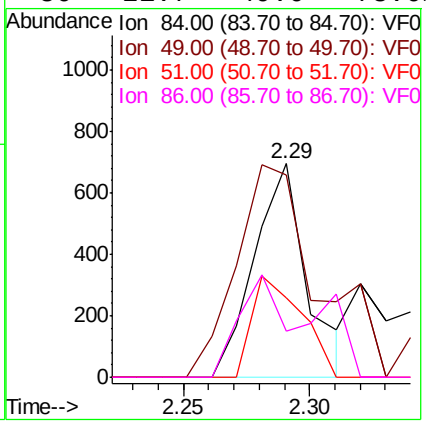


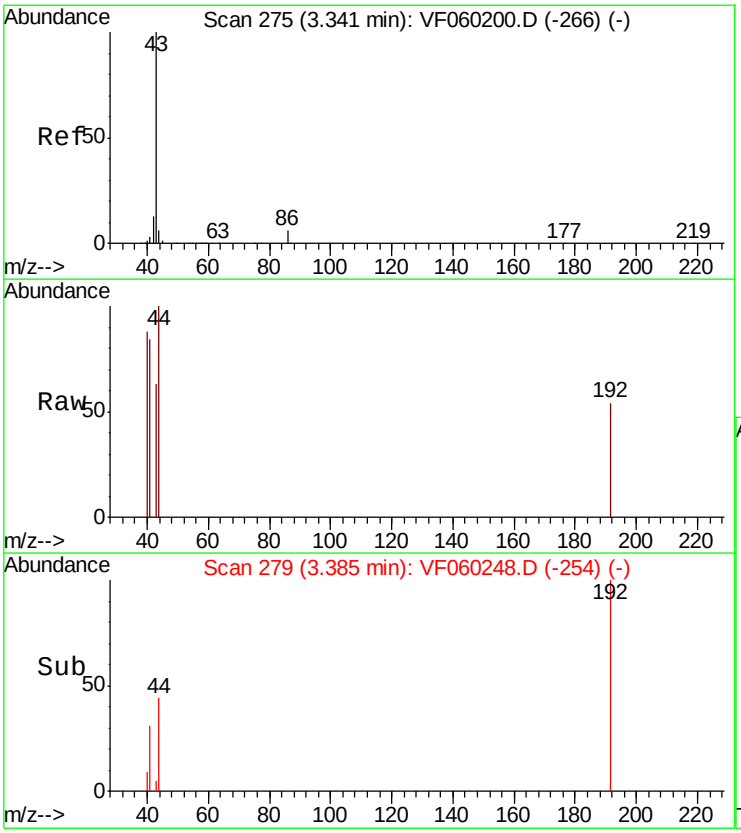
#20
Methylene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Tgt Ion: 84 Resp: 1013

Ion	Ratio	Lower	Upper
84	100		
49	94.5	120.1	180.1#
51	37.0	37.0	55.6#
86	21.7	49.0	73.6#

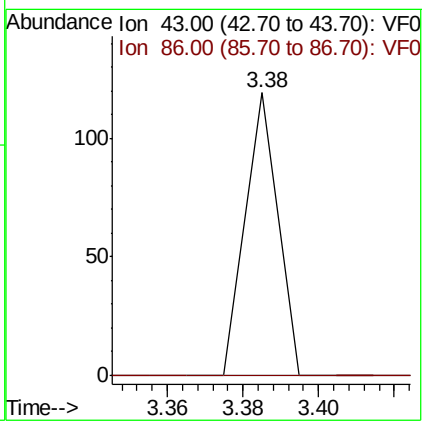


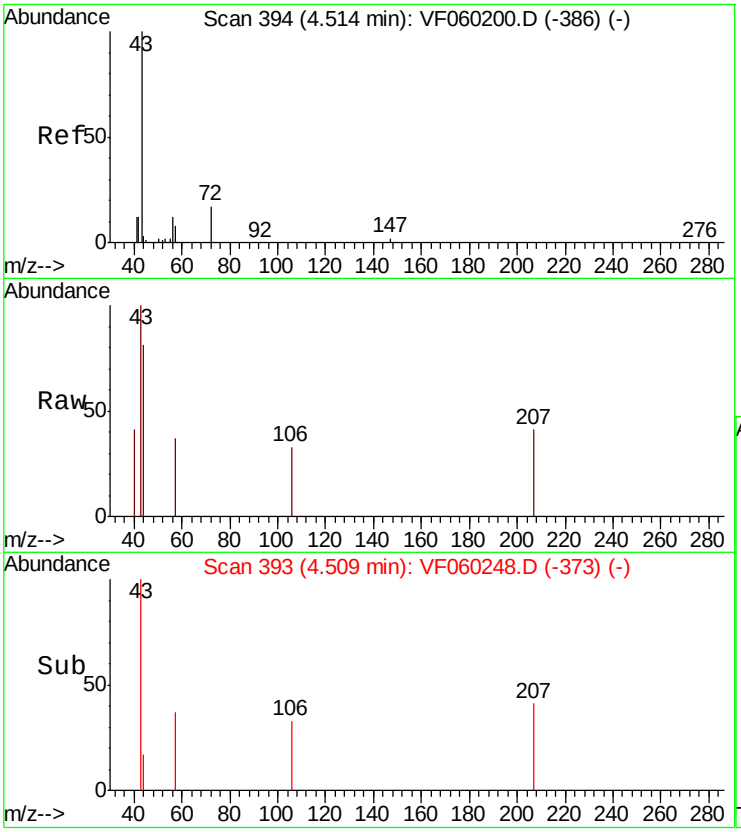


#23
Vinyl Acetate
Concen: 22.86 ug/l
RT: 3.38 min Scan# 279
Delta R.T. 0.04 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 43 Resp: 70

Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.8	7.2#



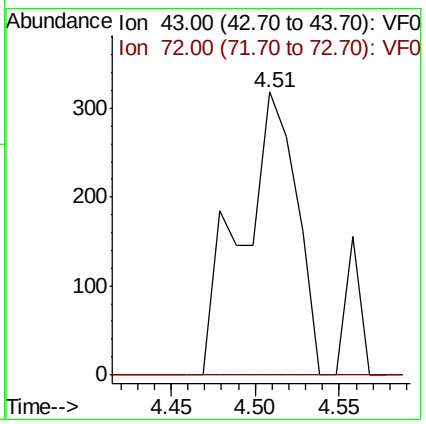


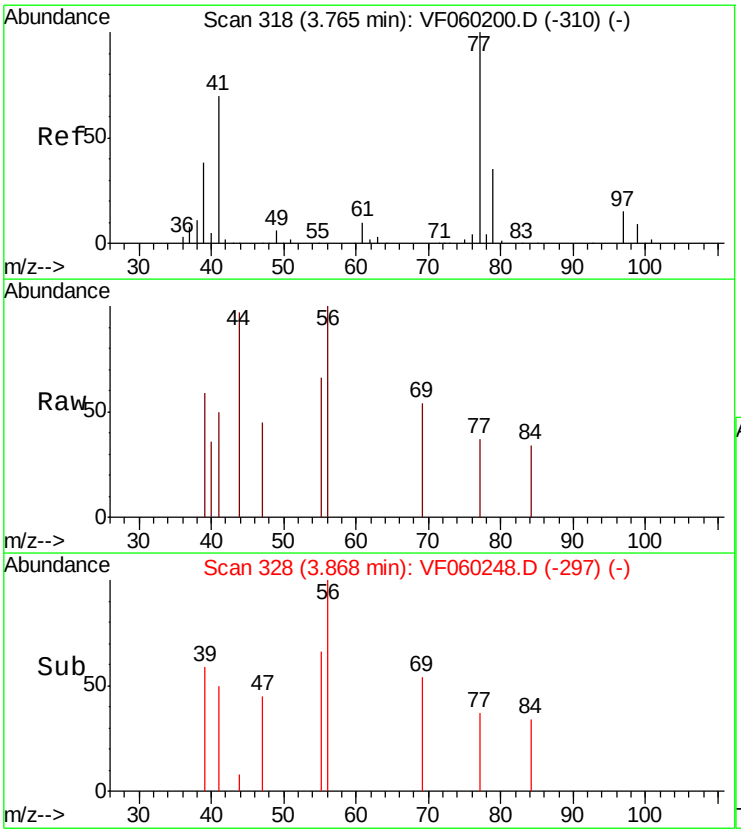
#25
2-Butanone
Concen: 1.63 ug/l
RT: 4.51 min Scan# 393
Delta R.T. -0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 43 Resp: 723

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.8	22.2#

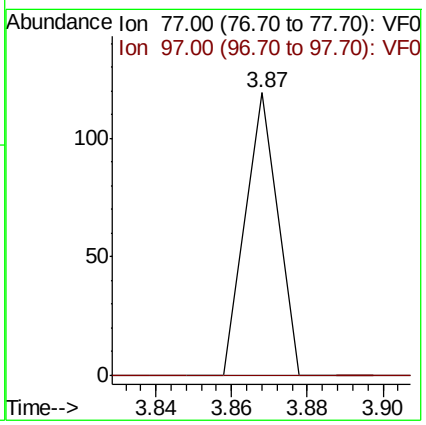


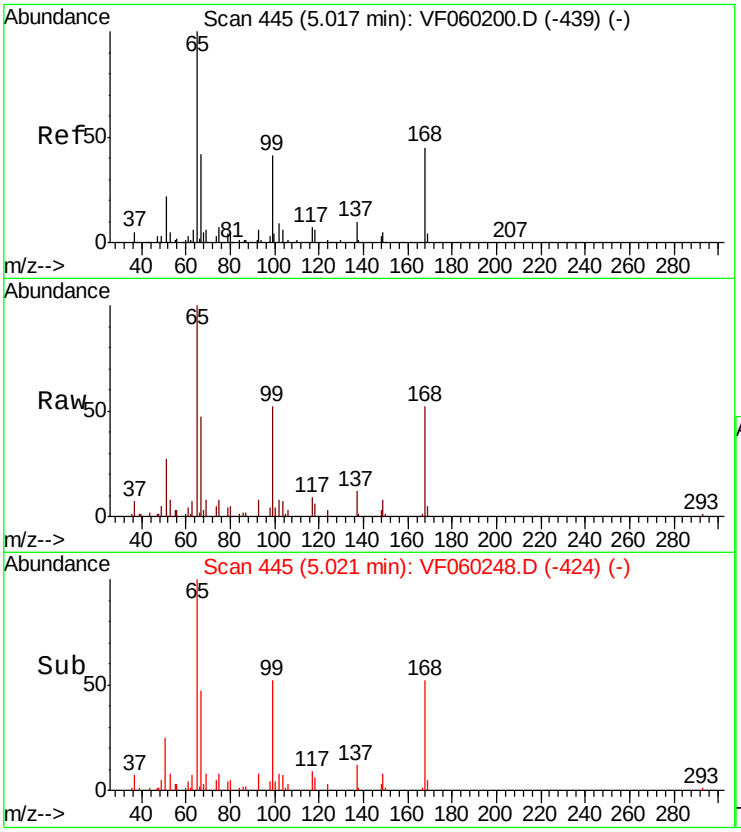


#26
2,2-Dichloropropane
Concen: 2.06 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.10 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 77 Resp: 70

Ion	Ratio	Lower	Upper
77	100		
97	0.0	7.5	22.5#



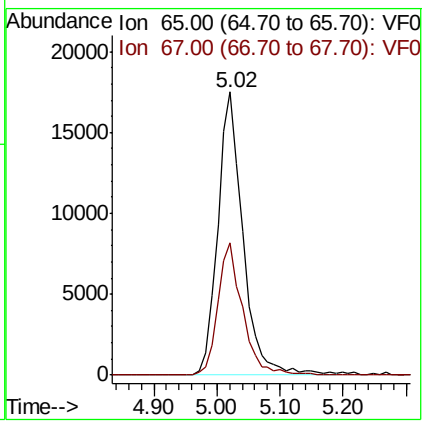


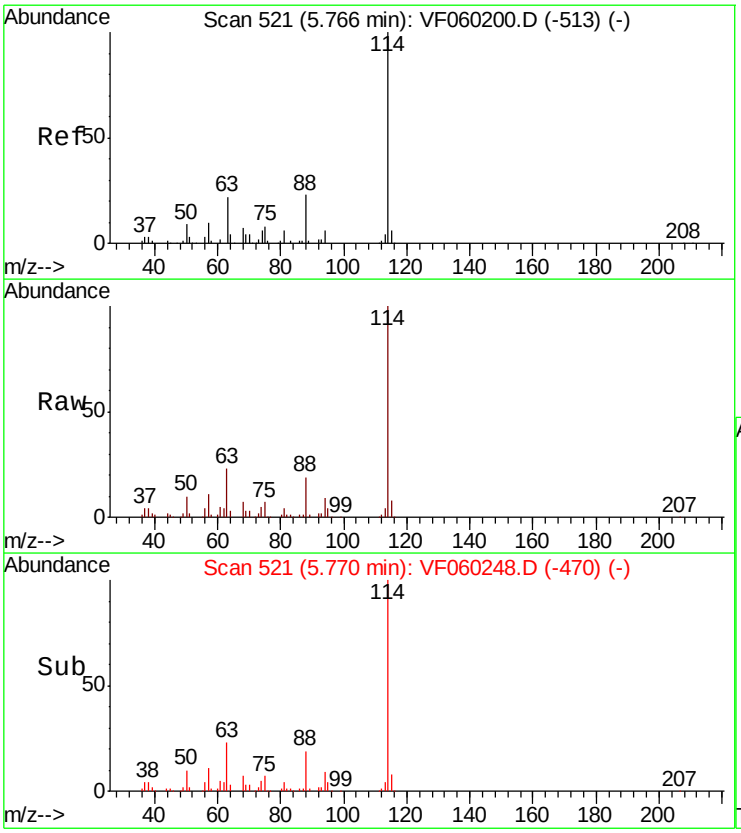
#33
1,2-Dichloroethane-d4
Concen: 30.79 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 65 Resp: 48700

Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	87.2

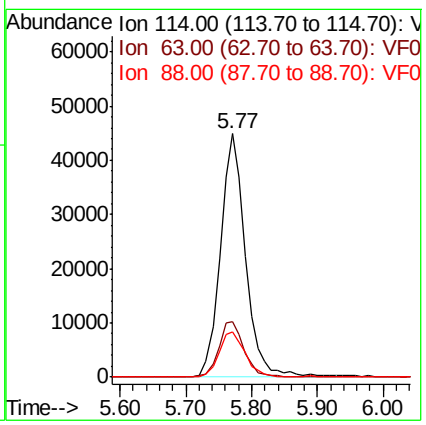


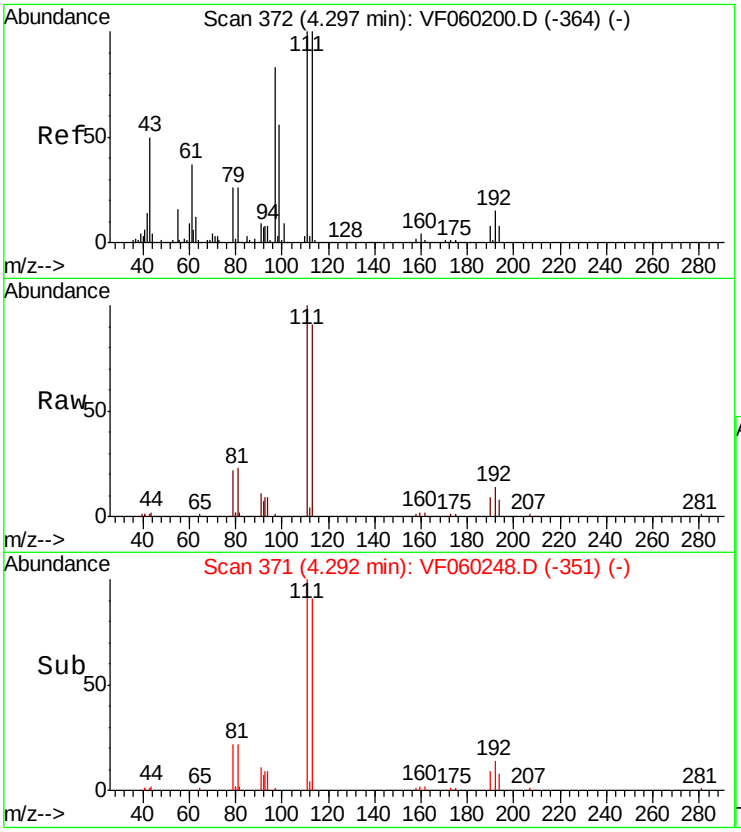


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion:114 Resp: 119236

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	18.7	0.0	46.4



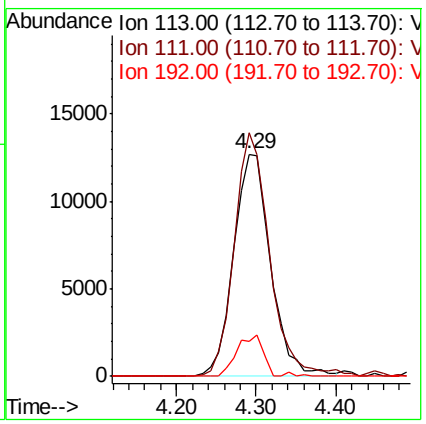


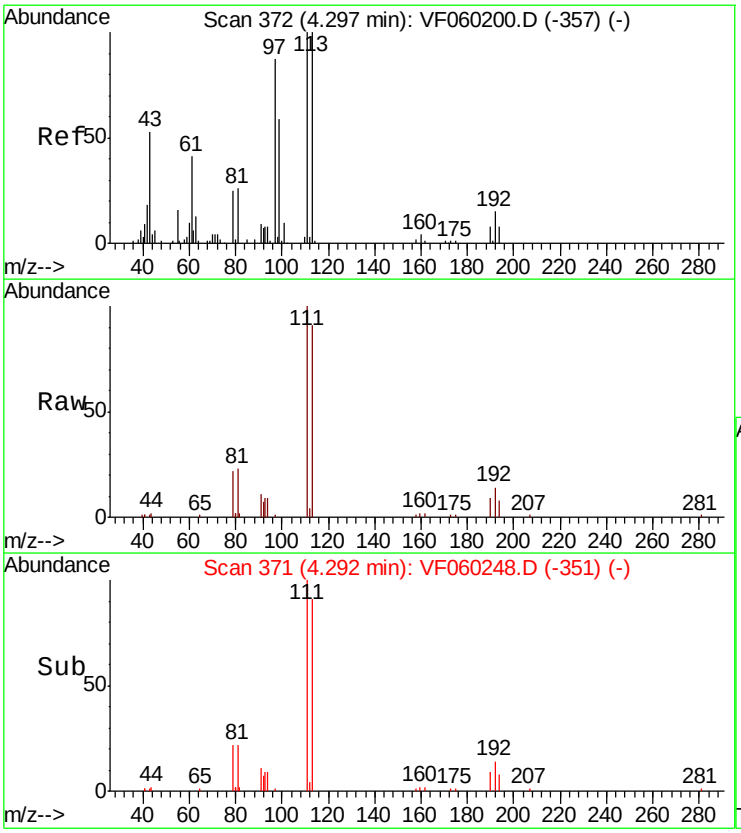
#35
Dibromofluoromethane
Concen: 34.94 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion:113 Resp: 40812

Ion	Ratio	Lower	Upper
113	100		
111	109.6	80.2	120.2
192	15.7	11.8	17.8

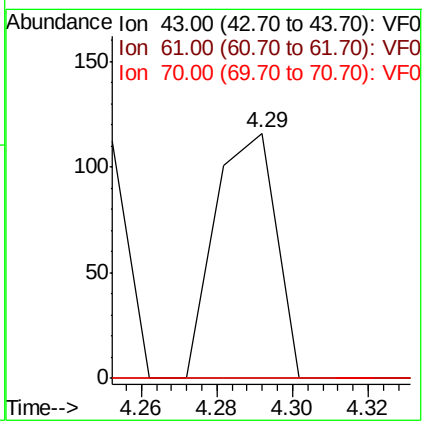


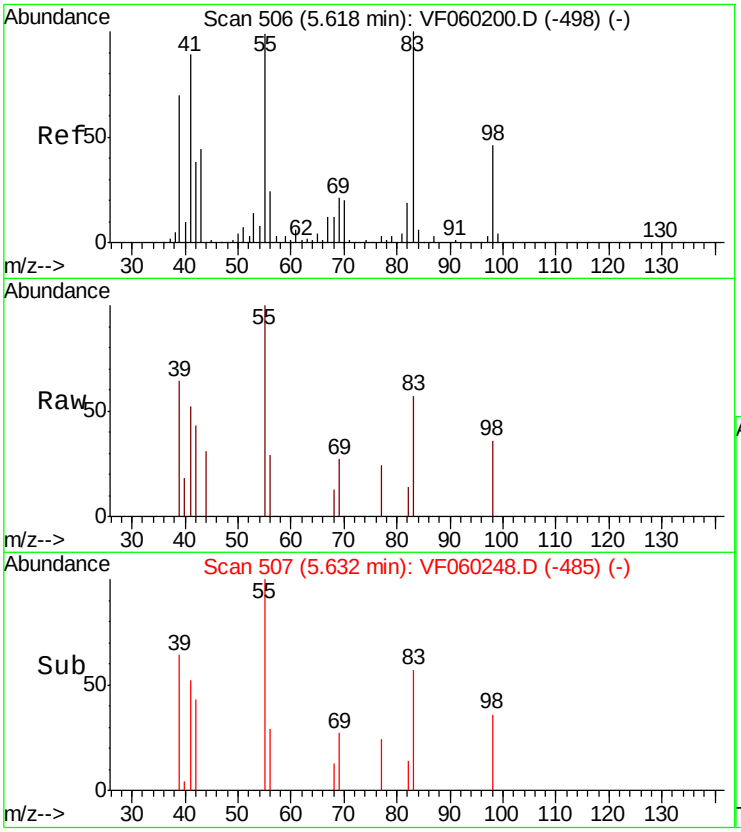


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 43 Resp: 128

Ion	Ratio	Lower	Upper
43	100		
61	0.0	61.6	92.4#
70	0.0	6.9	10.3#



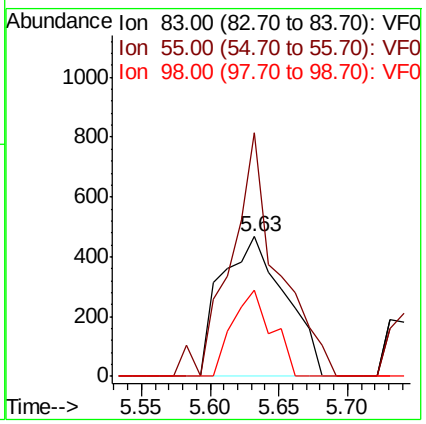


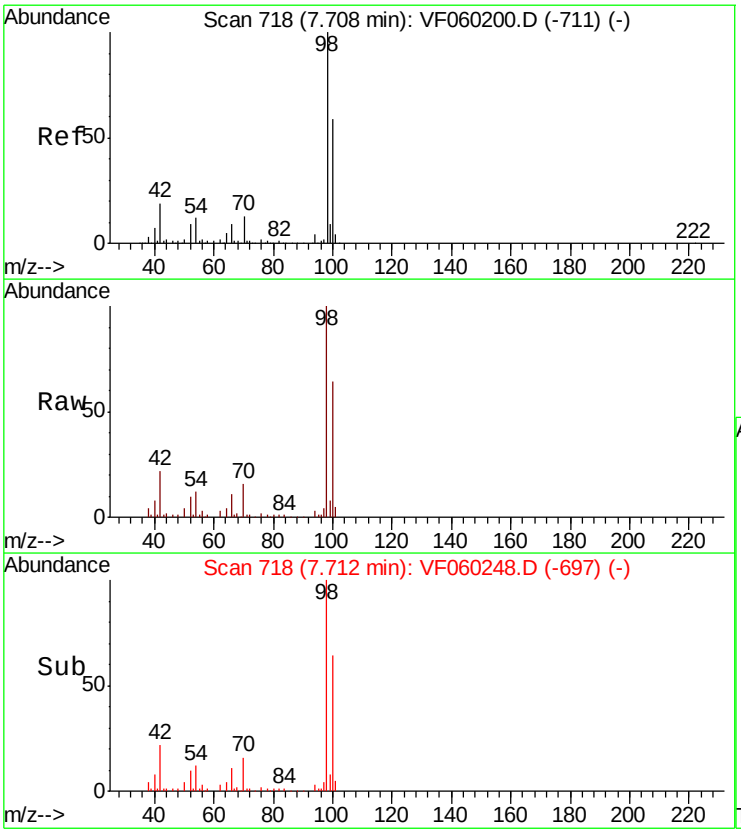
#39
Methylcyclohexane
Concen: 1.28 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Tgt Ion: 83 Resp: 1510

Ion	Ratio	Lower	Upper
83	100		
55	174.3	79.0	118.4#
98	61.9	36.7	55.1#

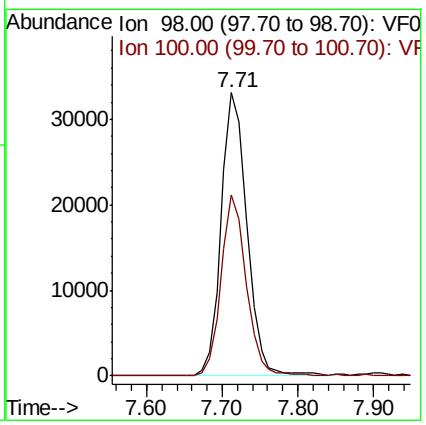


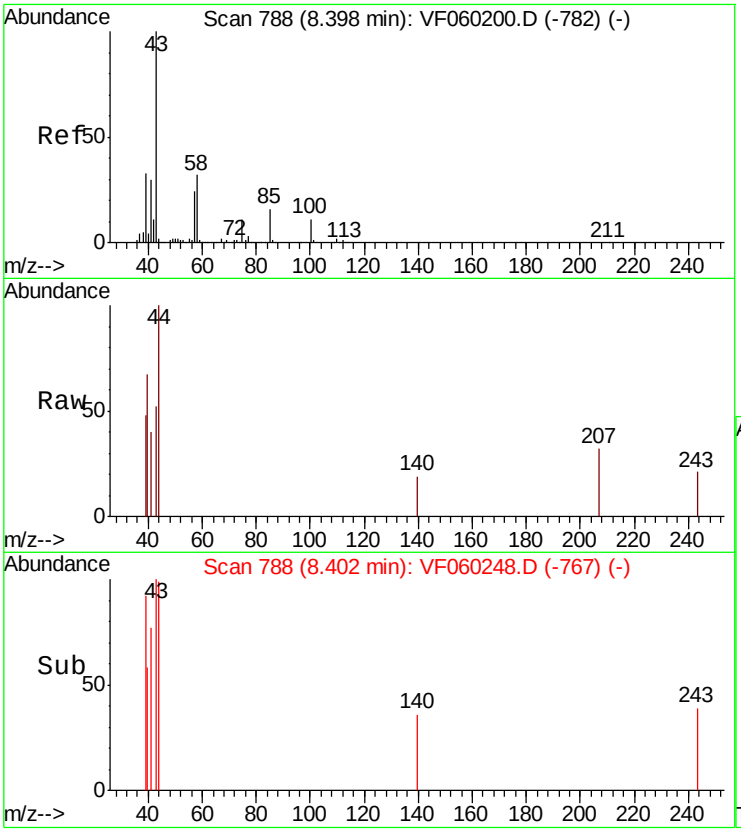


#50
Toluene-d8
Concen: 26.95 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 98 Resp: 78559

Ion	Ratio	Lower	Upper
98	100		
100	64.0	47.4	71.0



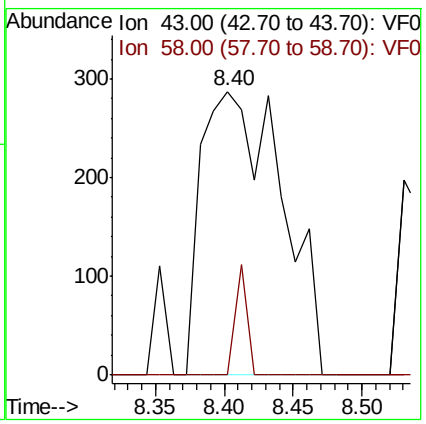


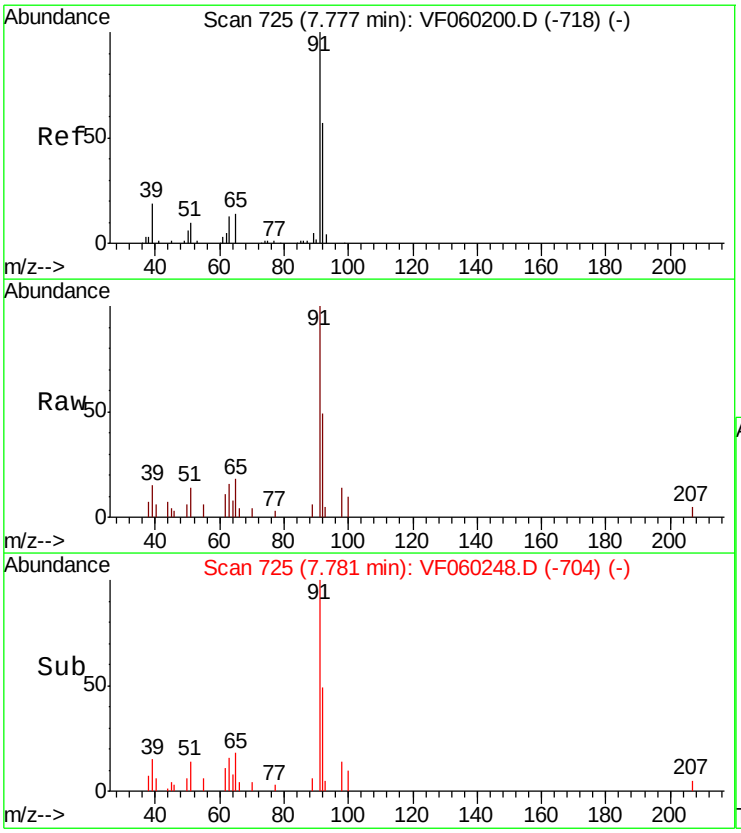
#51
4-Methyl-2-Pentanone
Concen: 1.62 ug/l
RT: 8.40 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Tgt Ion: 43 Resp: 1172

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.8	38.6#

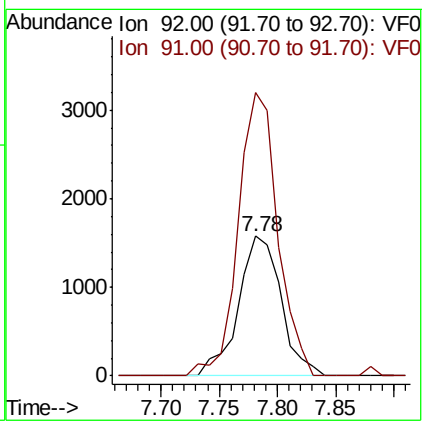


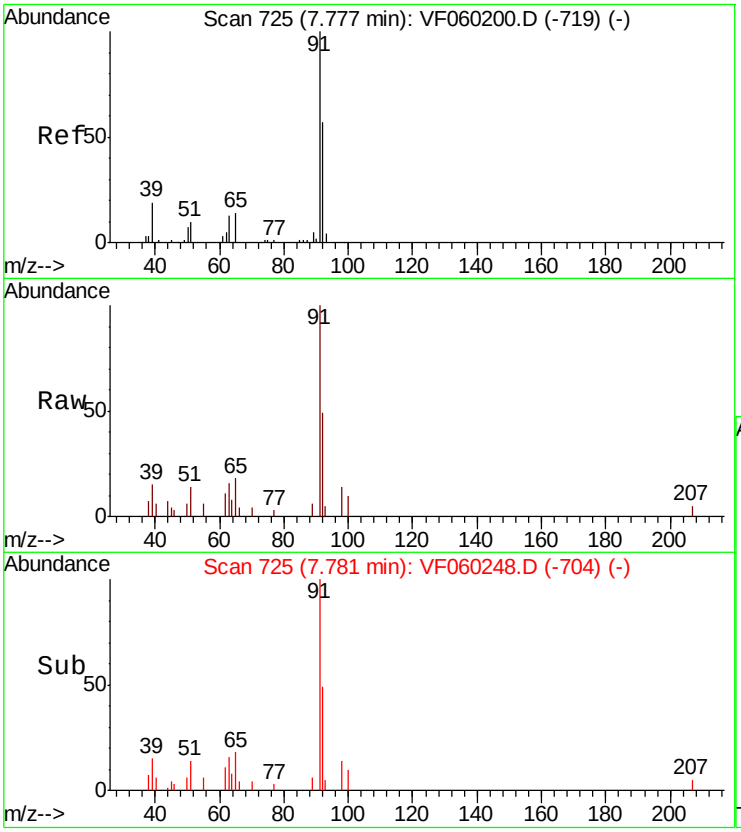


#52
Toluene
Concen: 2.07 ug/l
RT: 7.78 min Scan# 725
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 92 Resp: 4001

Ion	Ratio	Lower	Upper
92	100		
91	202.3	140.0	210.0



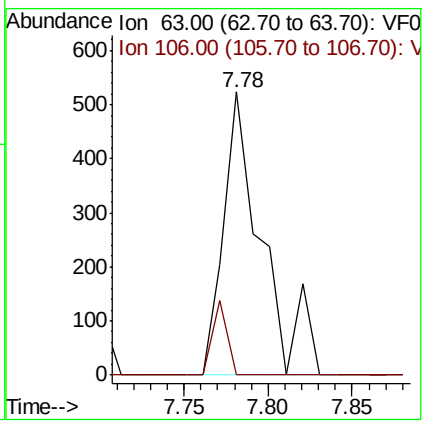


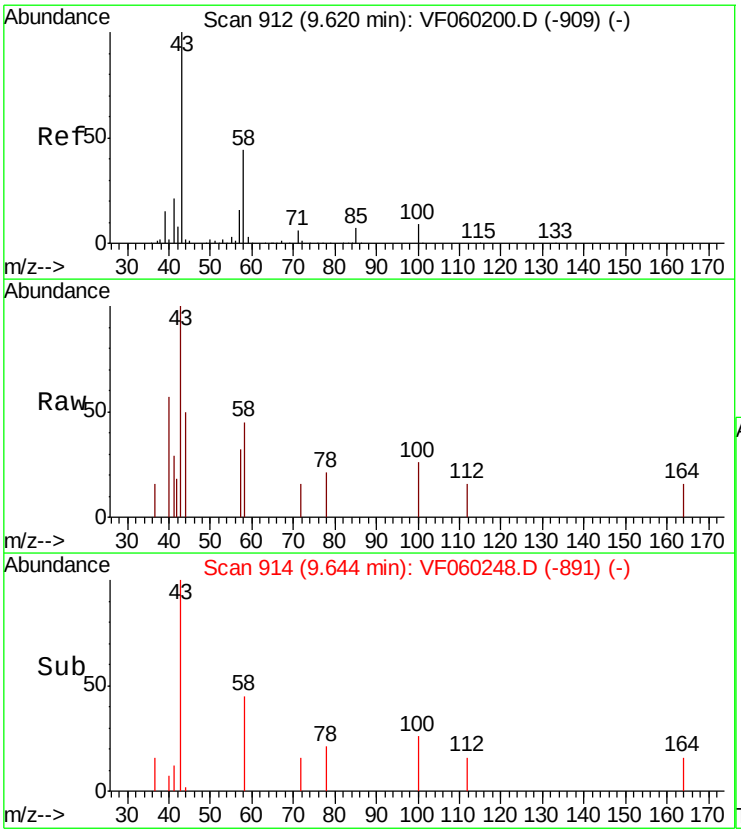
#58
2-Chloroethyl Vinyl ether
Concen: 9.42 ug/l
RT: 7.78 min Scan# 725
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 63 Resp: 825

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

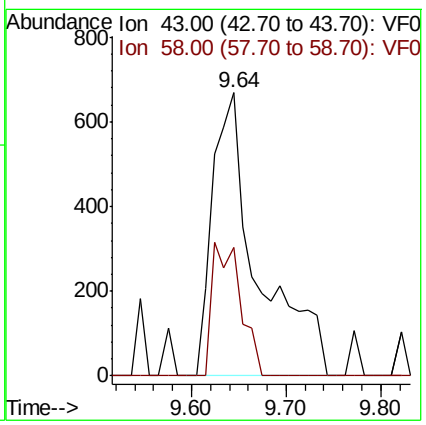


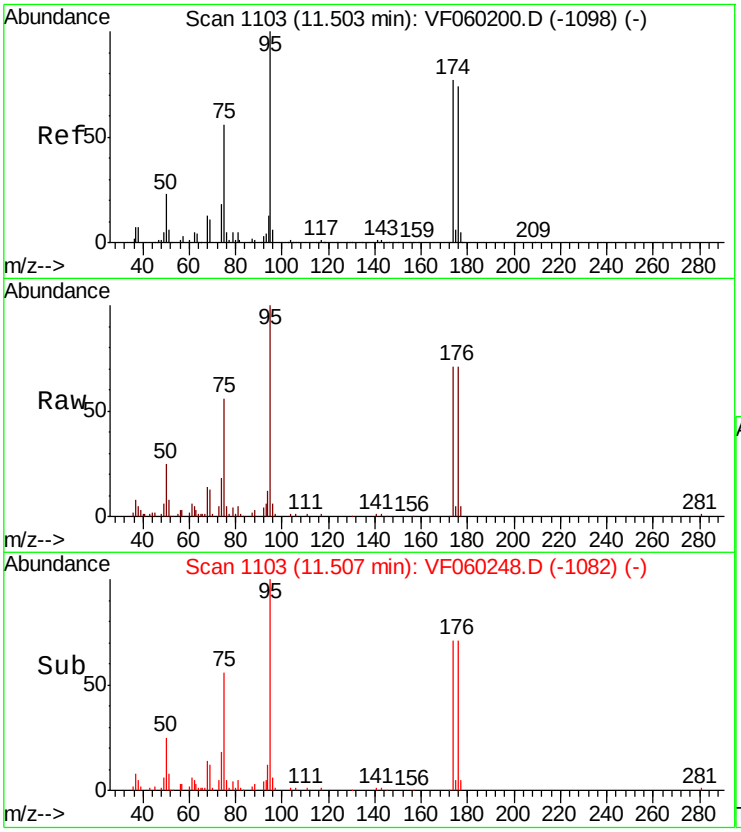


#59
2-Hexanone
Concen: 2.95 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.03 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 43 Resp: 2228

Ion	Ratio	Lower	Upper
43	100		
58	45.2	20.8	62.5



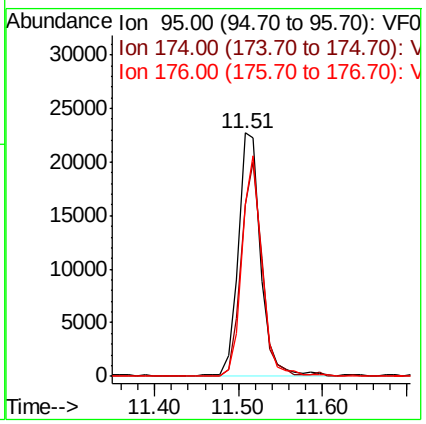


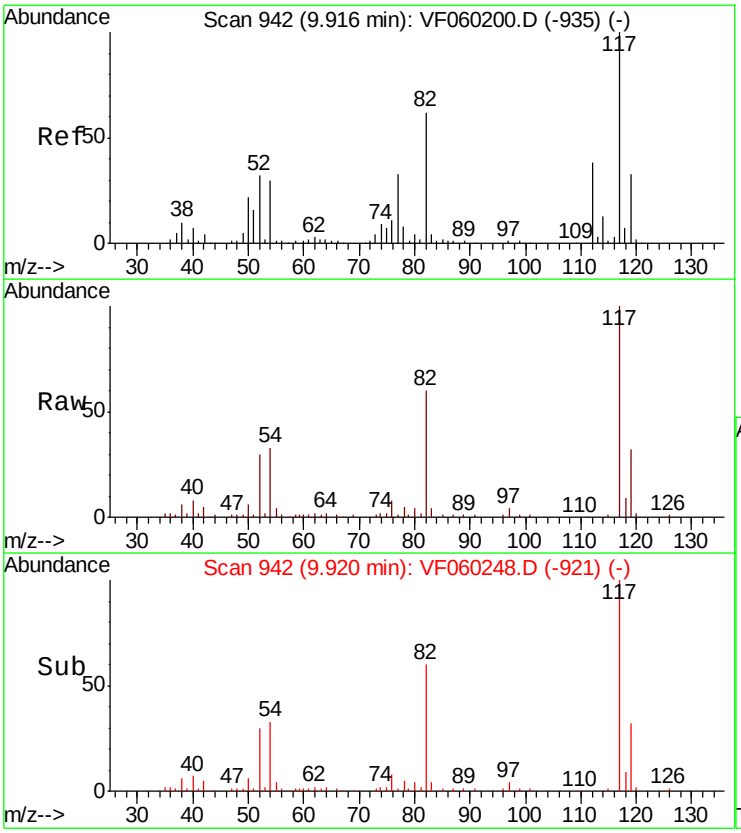
#62
4-Bromofluorobenzene
Concen: 25.70 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 95 Resp: 42265

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	153.2
176	70.8	0.0	147.2

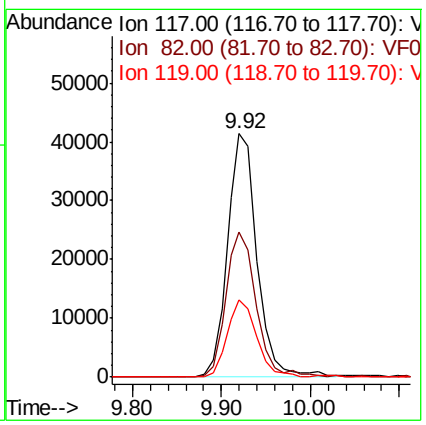


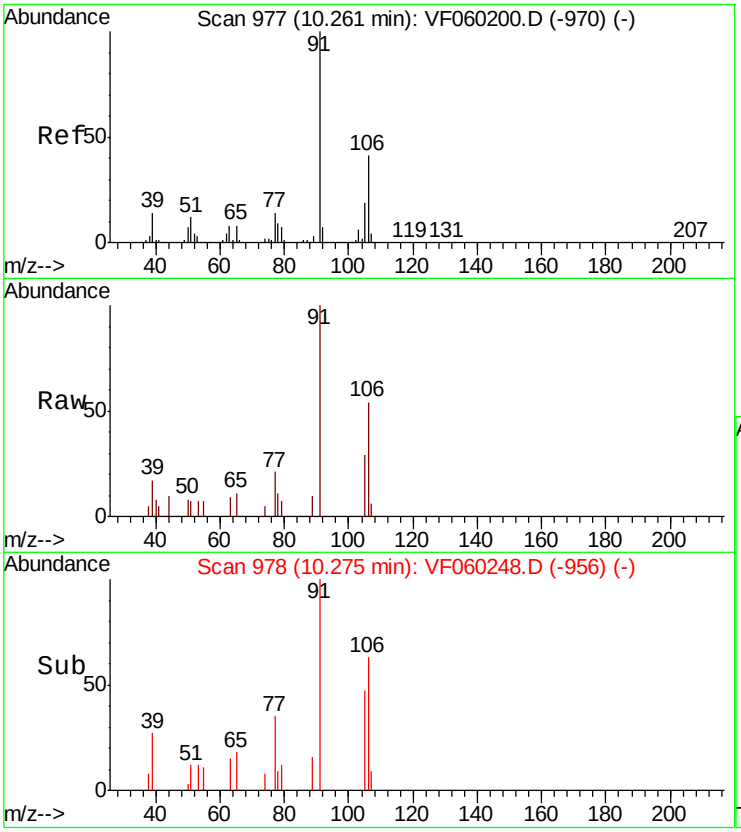


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion:117 Resp: 96102

Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.3	73.9
119	31.8	26.5	39.7



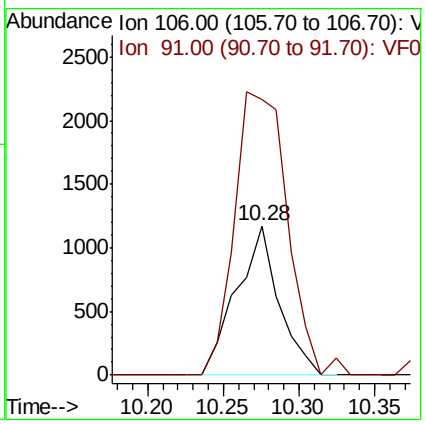


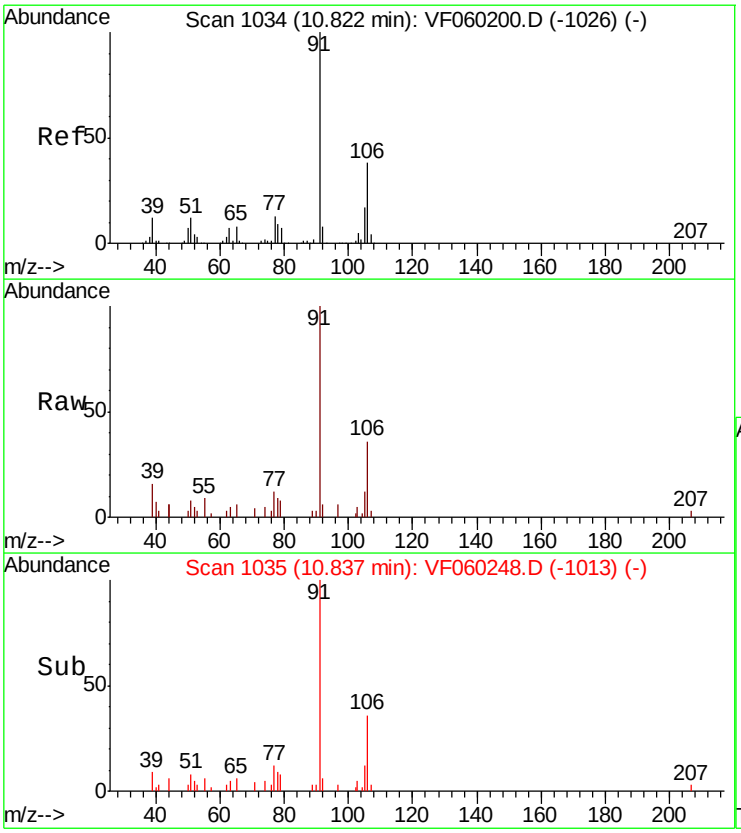
#68
m/p-Xylenes
Concen: 1.85 ug/l
RT: 10.28 min Scan# 978
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion:106 Resp: 2305

Ion	Ratio	Lower	Upper
106	100		
91	185.2	194.6	291.8#

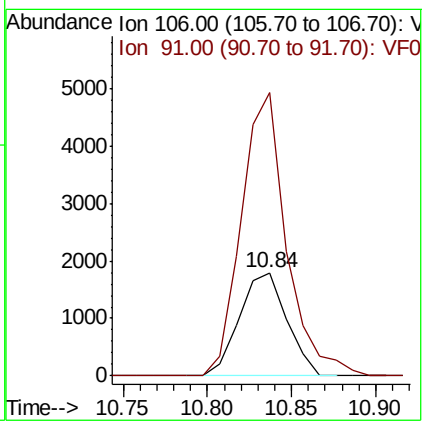


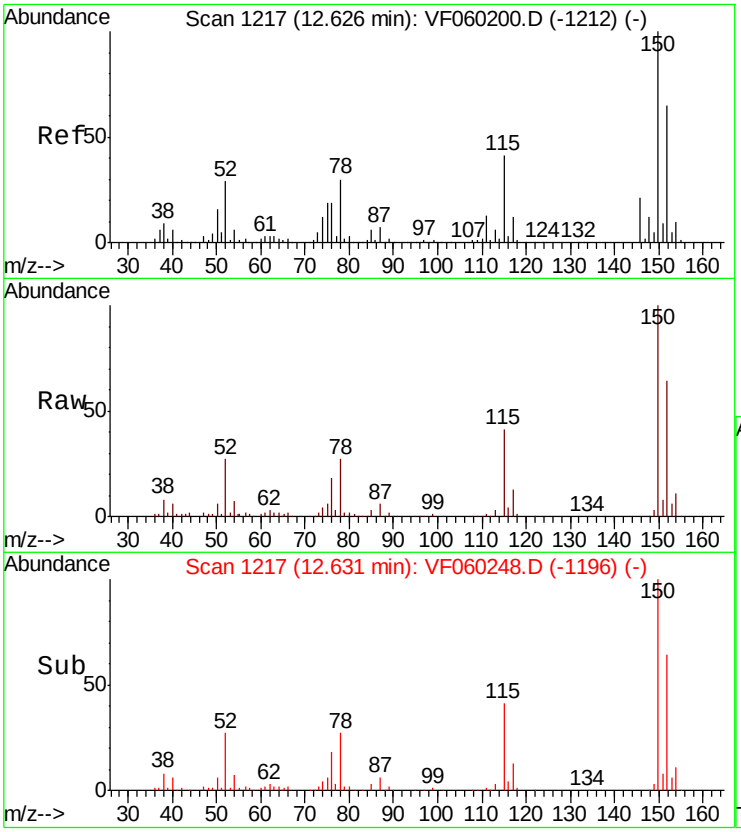


#69
o-Xylene
Concen: 2.63 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion:106 Resp: 3494

Ion	Ratio	Lower	Upper
106	100		
91	274.1	130.5	391.5



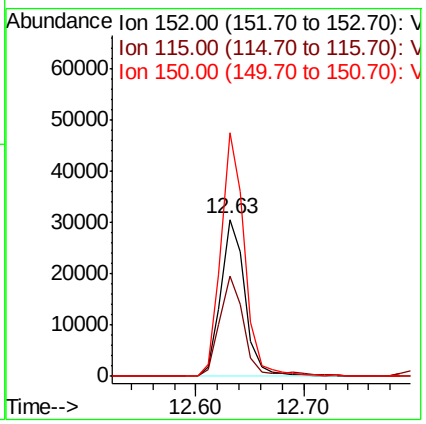


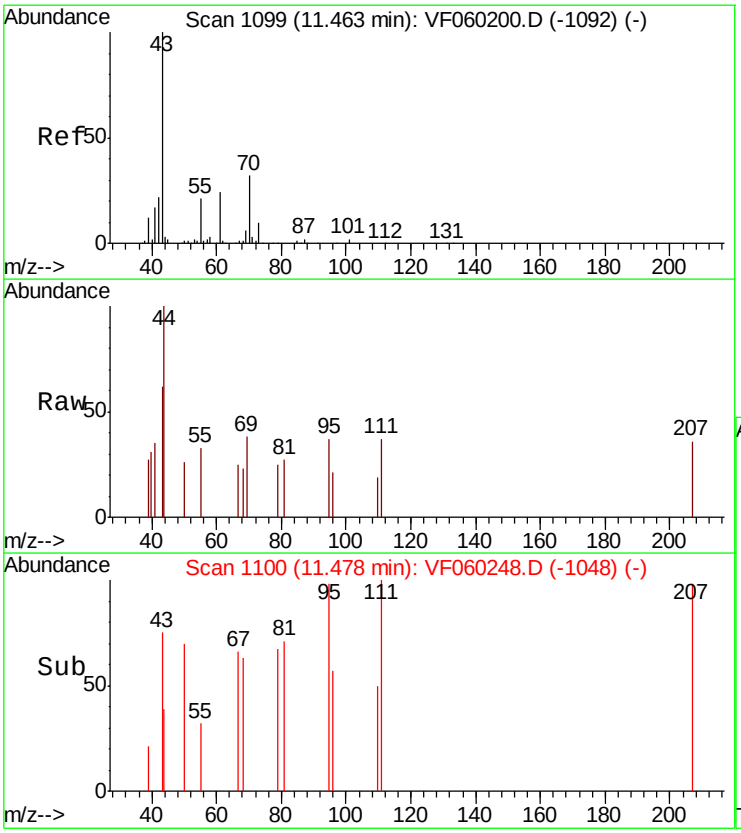
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument : MSVOA_F
ClientSampleId : OR-02-090618-BRE

Tgt Ion:152 Resp: 47521

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.5	94.5
150	155.5	0.0	310.4

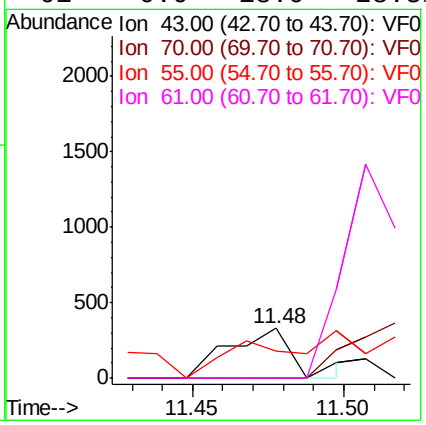


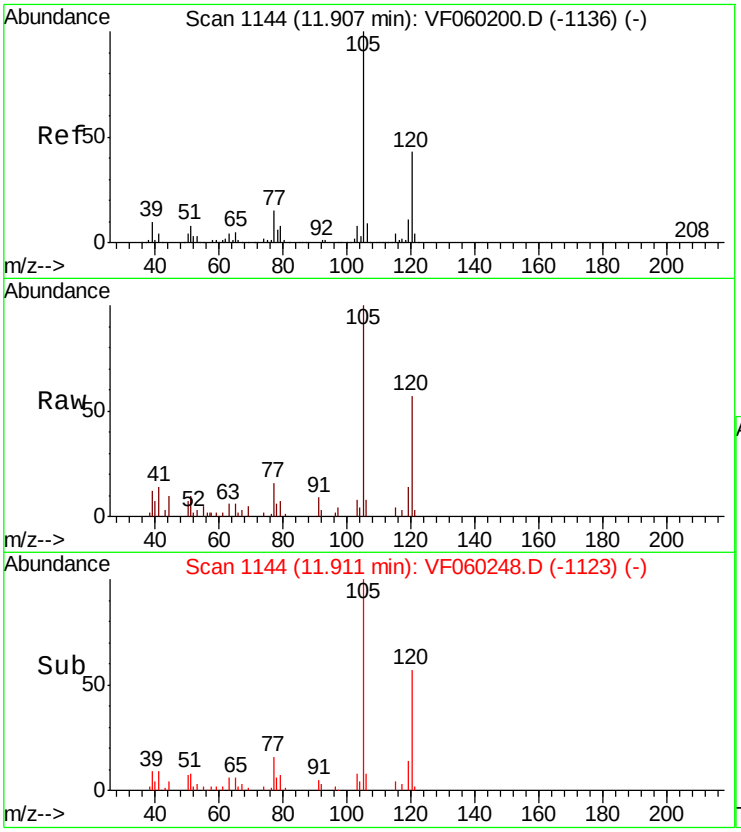


#74
N-amyl acetate
Concen: 5.50 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 43 Resp: 507

Ion	Ratio	Lower	Upper
43	100		
70	0.0	25.8	38.6#
55	53.2	16.8	25.2#
61	0.0	18.9	28.3#



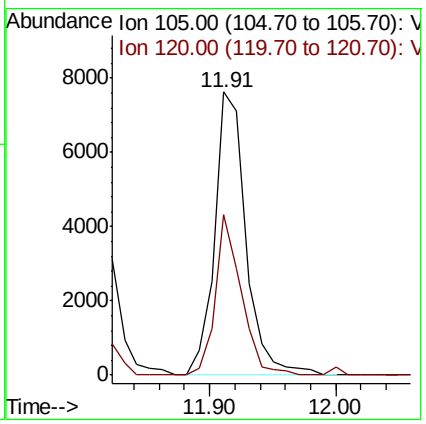


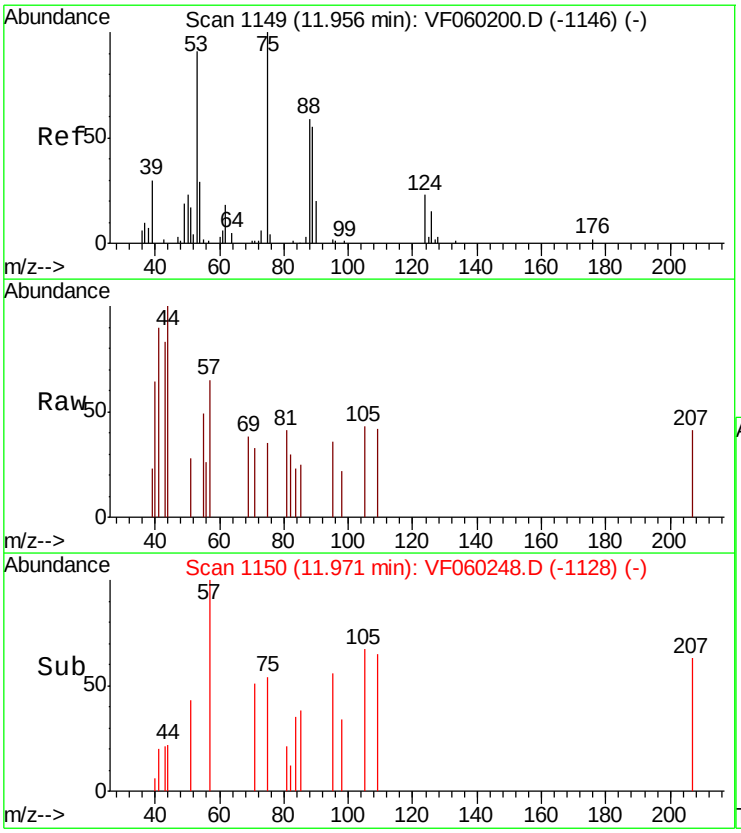
#80
1,3,5-Trimethylbenzene
Concen: 4.54 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion:105 Resp: 13145

Ion	Ratio	Lower	Upper
105	100		
120	56.5	21.6	64.8

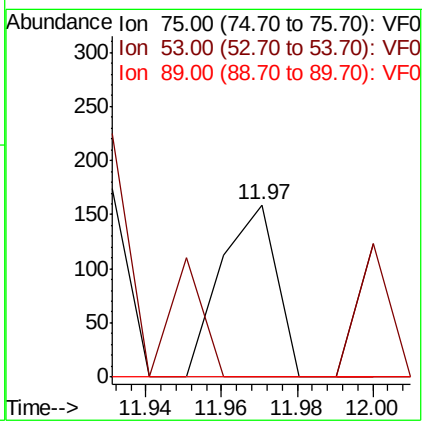


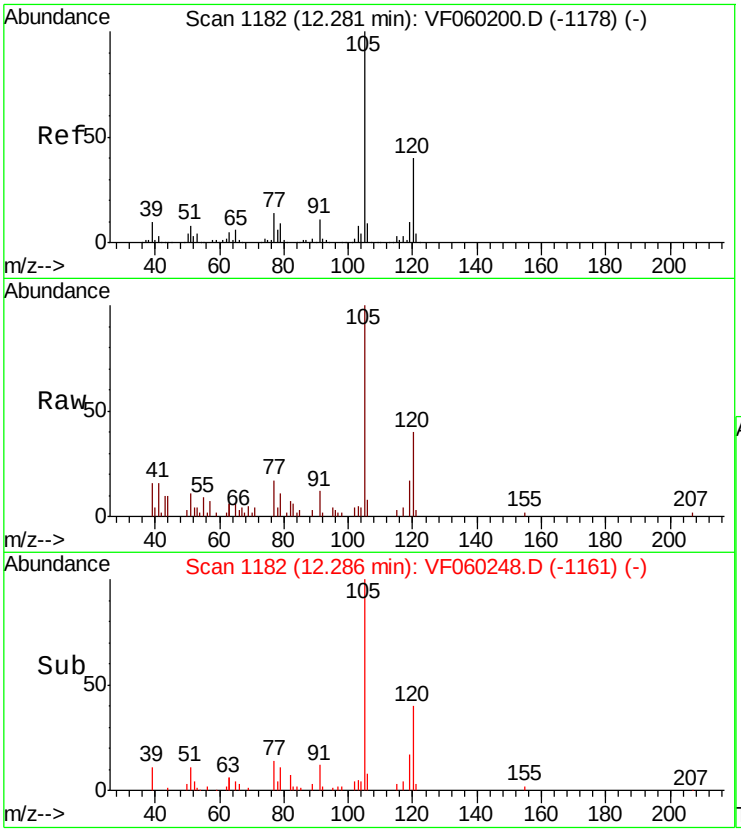


#81
trans-1,4-Dichloro-2-butene
Concen: 3.80 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion: 75 Resp: 161

Ion	Ratio	Lower	Upper
75	100		
53	0.0	76.5	114.7#
89	0.0	46.5	69.7#



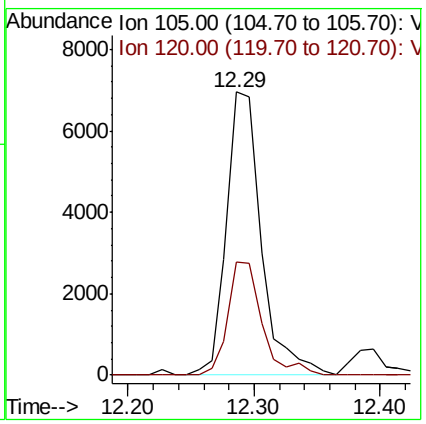


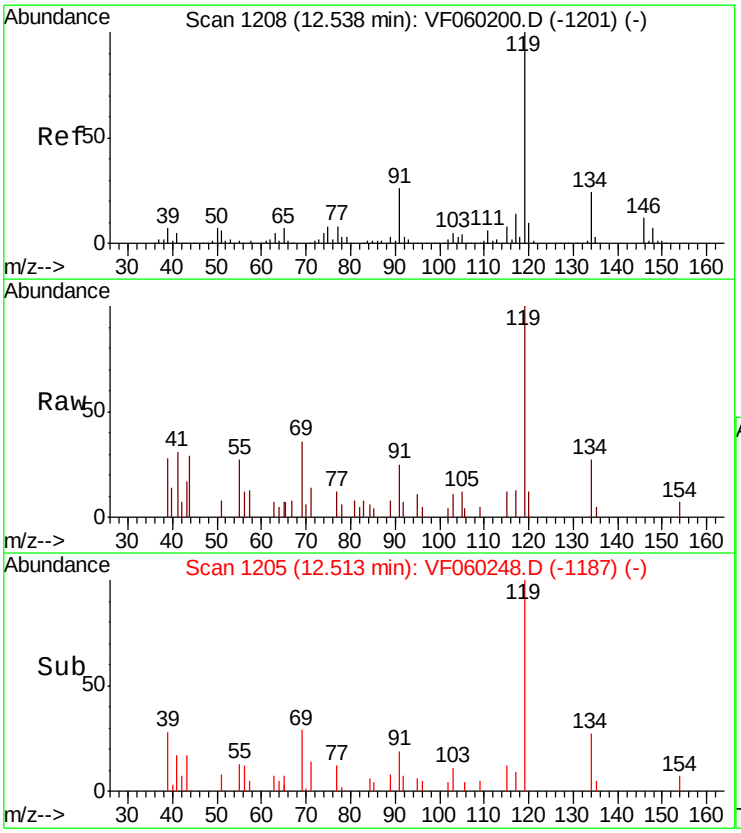
#84
1,2,4-Trimethylbenzene
Concen: 4.53 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion:105 Resp: 13310

Ion	Ratio	Lower	Upper
105	100		
120	39.8	20.2	60.5

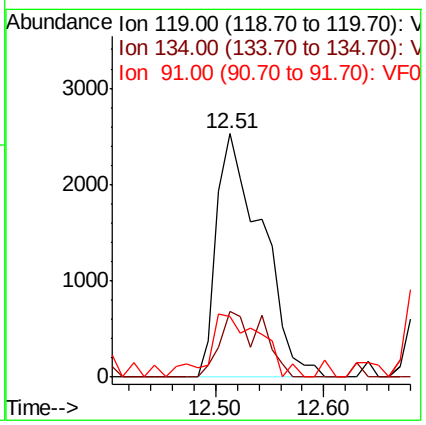


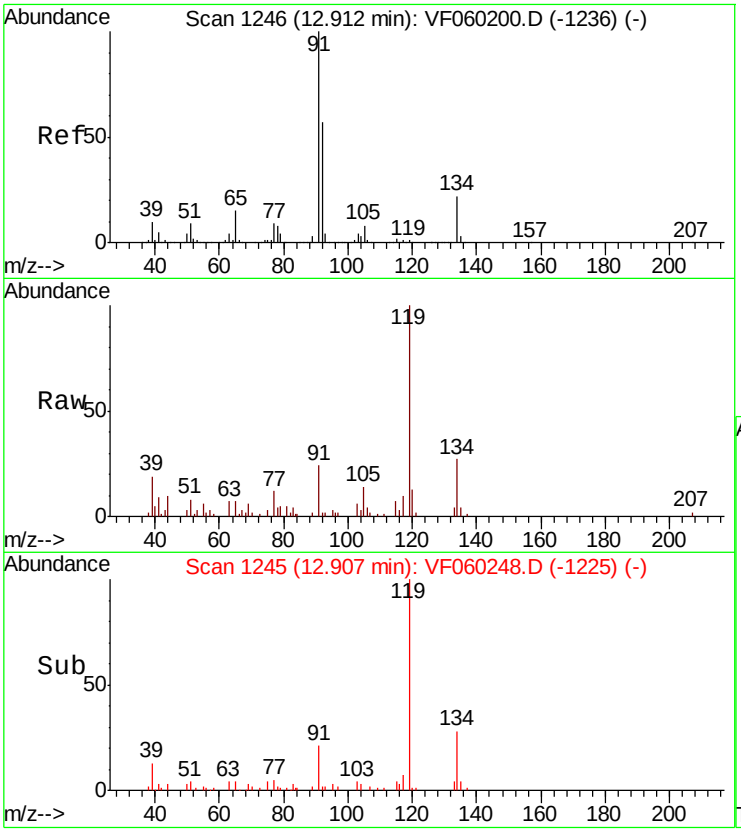


#86
p-Isopropyltoluene
Concen: 2.29 ug/l
RT: 12.51 min Scan# 1205
Delta R.T. -0.02 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion:119 Resp: 7385

Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.0	36.0
91	24.8	12.9	38.7



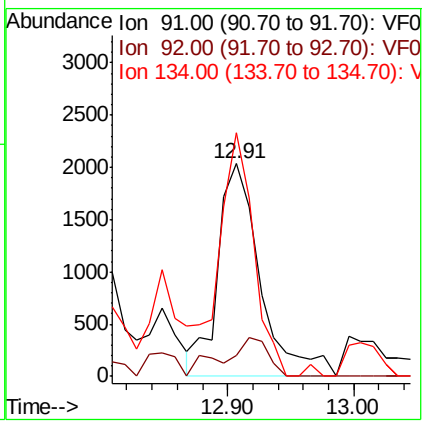


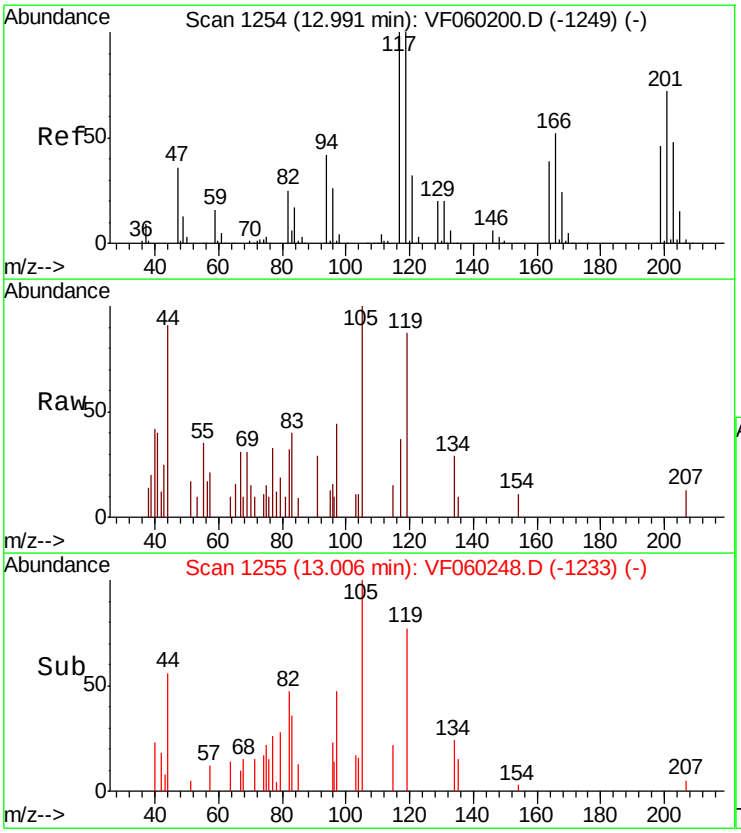
#89
n-Butylbenzene
Concen: 1.52 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion: 91 Resp: 4741

Ion	Ratio	Lower	Upper
91	100		
92	10.0	28.4	85.3#
134	114.6	11.1	33.3#

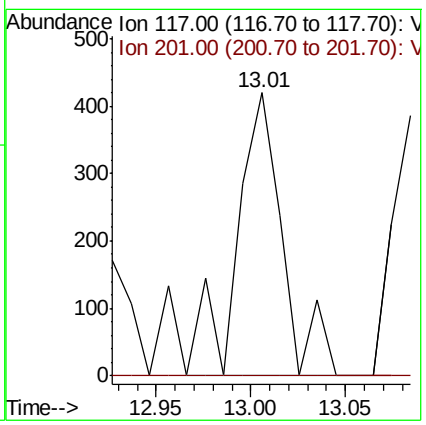


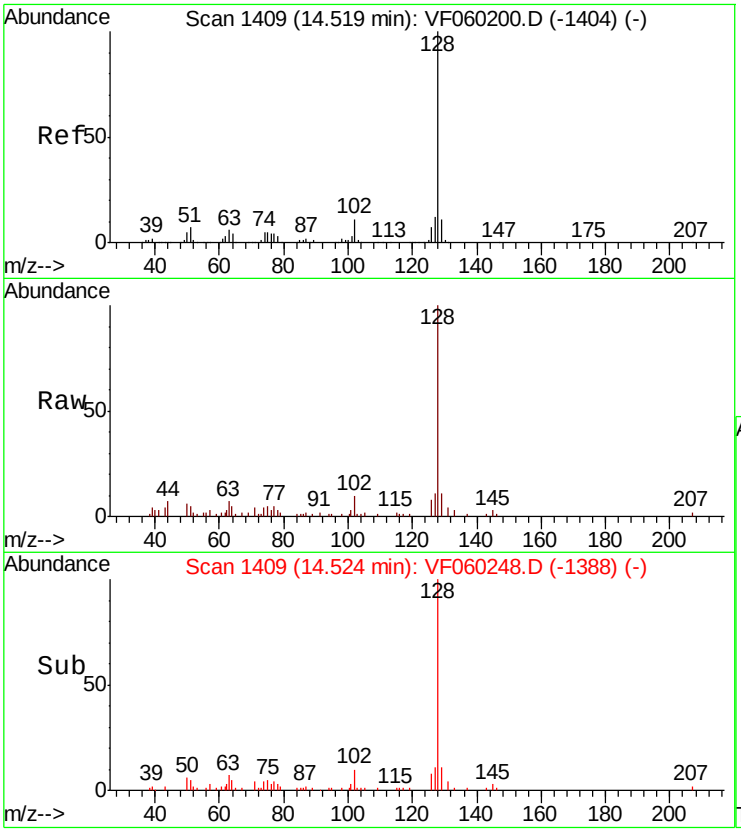


#90
Hexachloroethane
Concen: 1.08 ug/l
RT: 13.01 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Tgt Ion:117 Resp: 710

Ion	Ratio	Lower	Upper
117	100		
201	0.0	35.7	107.1#





#95
Naphthalene
Concen: 11.76 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060248.D
Acq: 10 Sep 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :
OR-02-090618-BRE

Tgt Ion:128 Resp: 17355

Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.9	14.9
129	11.2	8.9	13.3