Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
Data File : VF060528.D
Acq On : 26 Oct 2018 20:49
Operator : VA/AP
Sample : J5204-13RE
Misc : 7.04/5mL/MSVOA F/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SU-01-102518-A

Quant Time: Oct 27 01:53:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	301015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	520763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	355894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	135649	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	259860	43.43	ug/l	0.00
Spiked Amount 50.000			Recovery = 86.86%			
35) Dibromofluoromethane	4.29	113	261157	41.84	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.68%			
50) Toluene-d8	7.71	98	505933	40.39	ug/l	0.00
Spiked Amount 50.000			Recovery = 80.78%			
62) 4-Bromofluorobenzene	11.51	95	176851	25.35	ug/l	0.00
Spiked Amount 50.000			Recovery = 50.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	151	Below Cal	#	1
8) Diethyl Ether	1.71	74	3426	2.614	ug/l	55
11) Tert butyl alcohol	2.69	59	570	Below Cal		92
13) Acrolein	2.24	56	901	3.386	ug/l	88
15) Acrylonitrile	3.07	53	1400	2.907	ug/l #	61
16) Acetone	2.34	43	24969	Below Cal	#	93
20) Methylene Chloride	2.28	84	9807	Below Cal	#	77
25) 2-Butanone	4.53	43	3506	3.300	ug/l #	62
29) Tetrahydrofuran	4.26	42	939	Below Cal	#	72
37) Ethyl Acetate	4.30	43	751	Below Cal	#	1
39) Methylcyclohexane	5.63	83	6550	1.041	ug/l #	77
49) 1,4-Dioxane	6.87	88	72	4.173	ug/l #	21
51) 4-Methyl-2-Pentanone	8.41	43	4952	2.386	ug/l	89
52) Toluene	7.78	92	24685	2.960	ug/l	90
56) Ethyl methacrylate	8.77	69	9777	3.472	ug/l #	75
58) 2-Chloroethyl Vinyl ether	7.77	63	3794	9.745	ug/l	100
59) 2-Hexanone	9.65	43	3166	Below Cal		98
68) m/p-Xylenes	10.28	106	9268	1.932	ug/l	94
69) o-Xylene	10.83	106	9082	1.688	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	15018	1.587	ug/l	82
84) 1,2,4-Trimethylbenzene	12.29	105	63225	6.740	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.73	75	665	1.680	ug/l #	1
95) Naphthalene	14.52	128	612066	108.823	ug/l	100

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

Quantitation Report (Not Reviewed)

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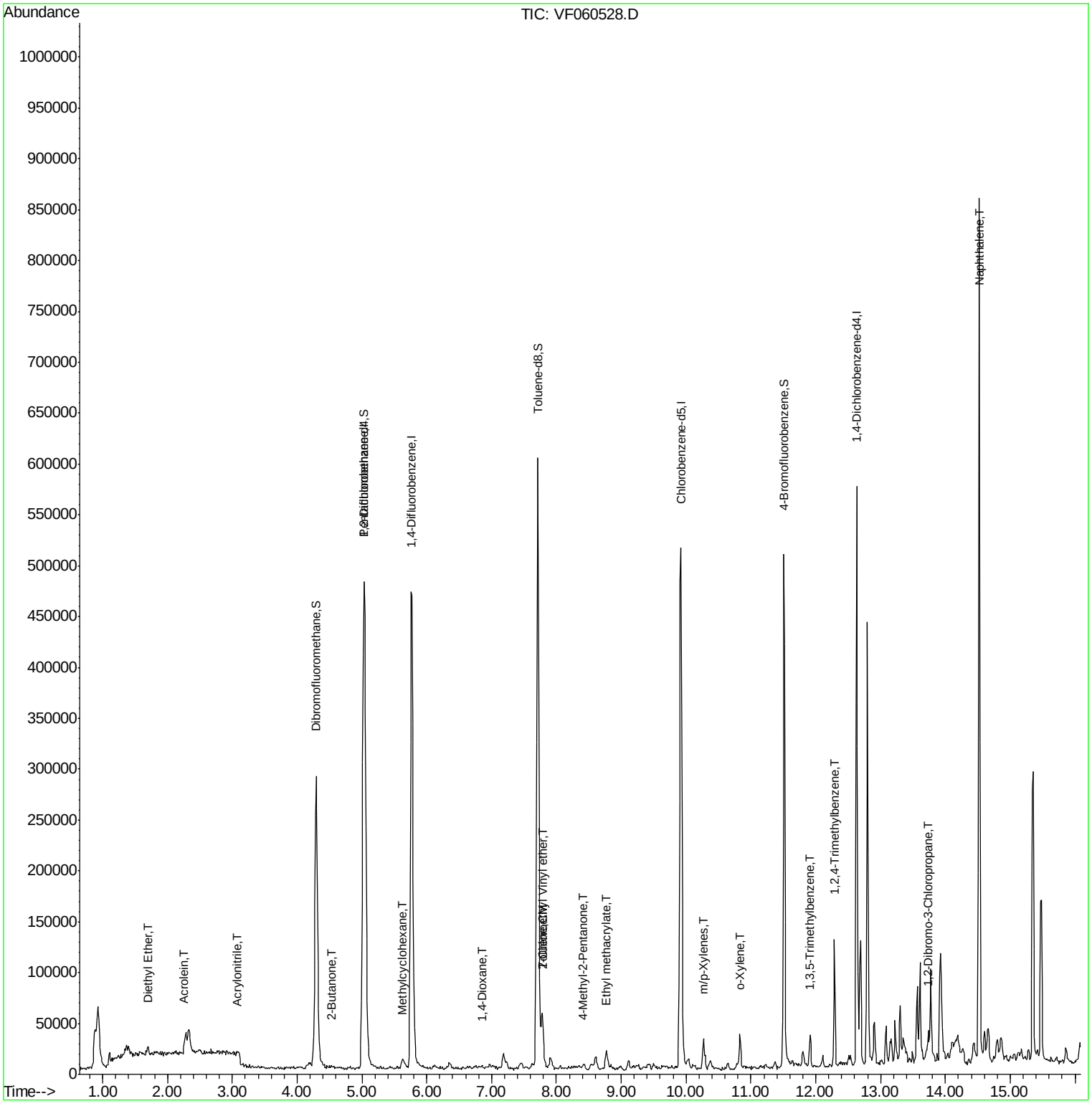
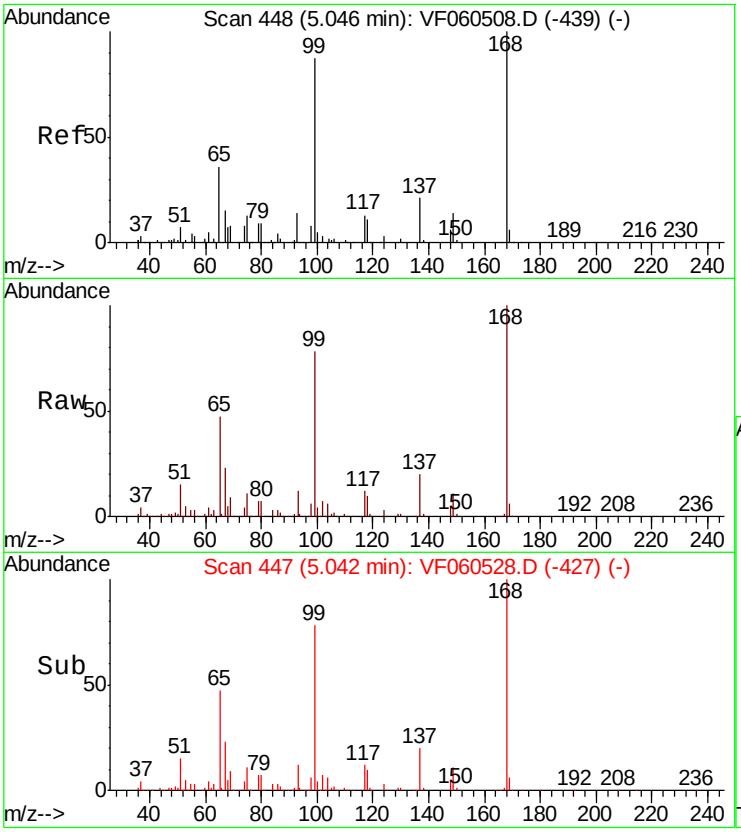
Data File : VF060528.D
Acq On : 26 Oct 2018 20:49
Operator : VA/AP
Sample : J5204-13RE
Misc : 7.04/5mL/MSVOA F/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Quant Time: Oct 27 01:53:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration



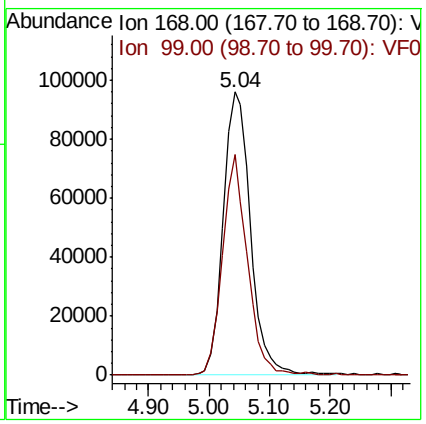


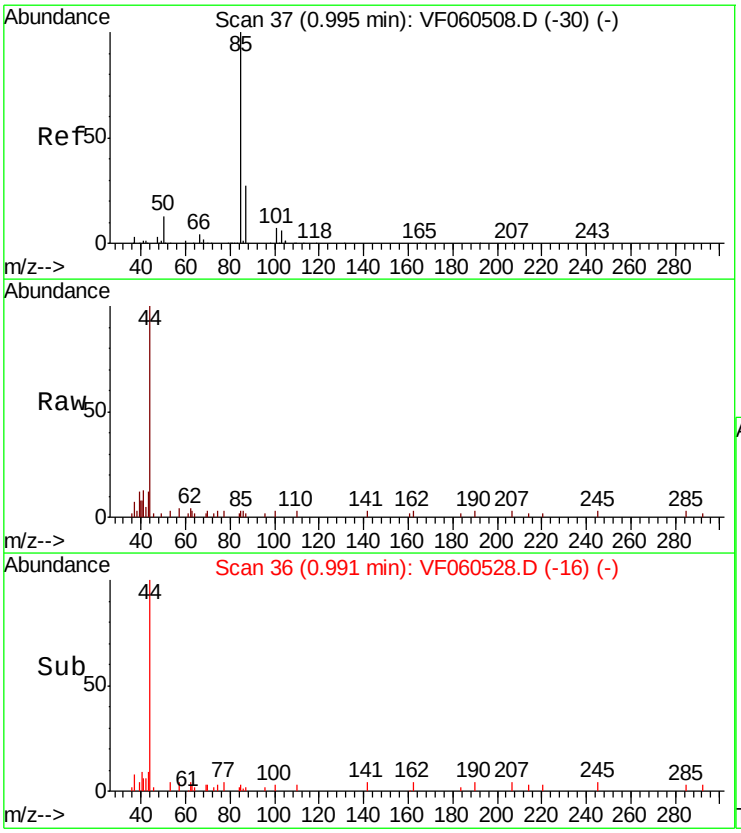
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 447
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion:168 Resp: 301015

Ion	Ratio	Lower	Upper
168	100		
99	77.9	69.9	104.9

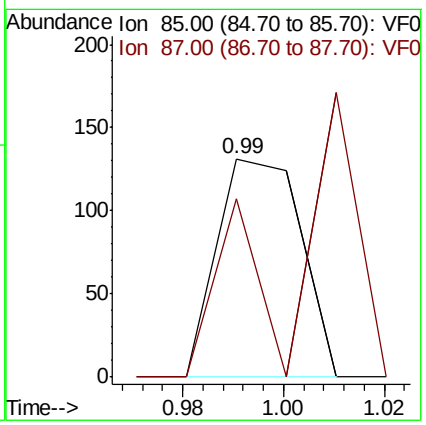


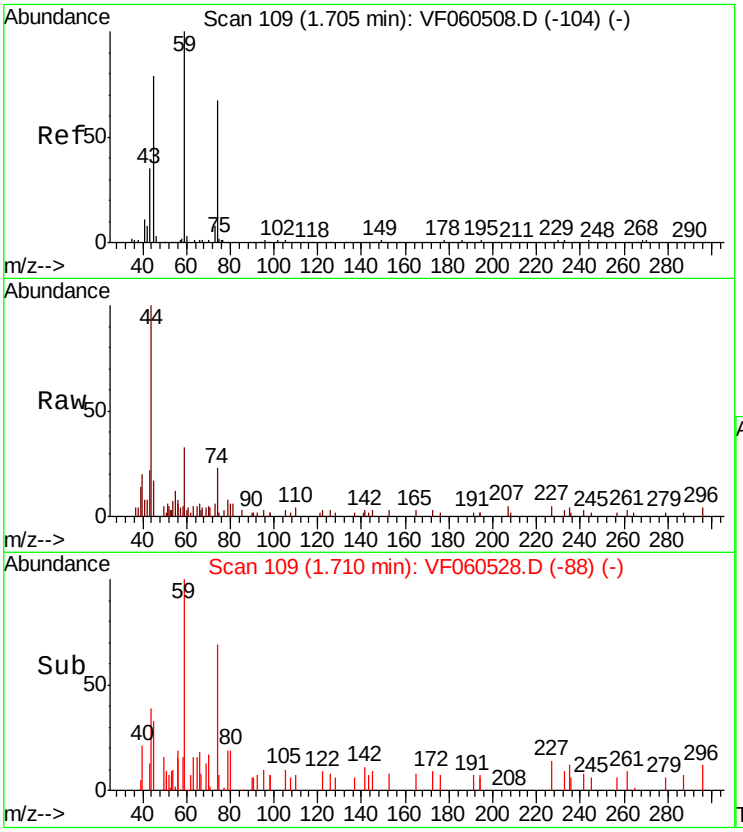


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.99 min Scan# 36
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 85 Resp: 151

Ion	Ratio	Lower	Upper
85	100		
87	81.7	13.5	40.4#



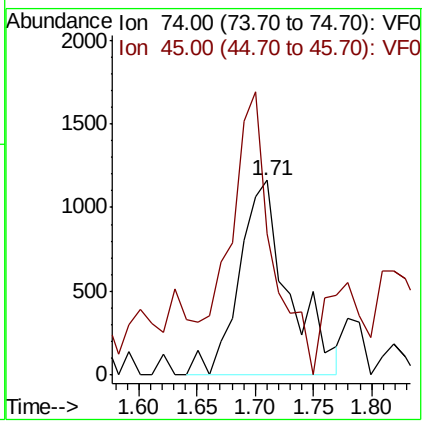


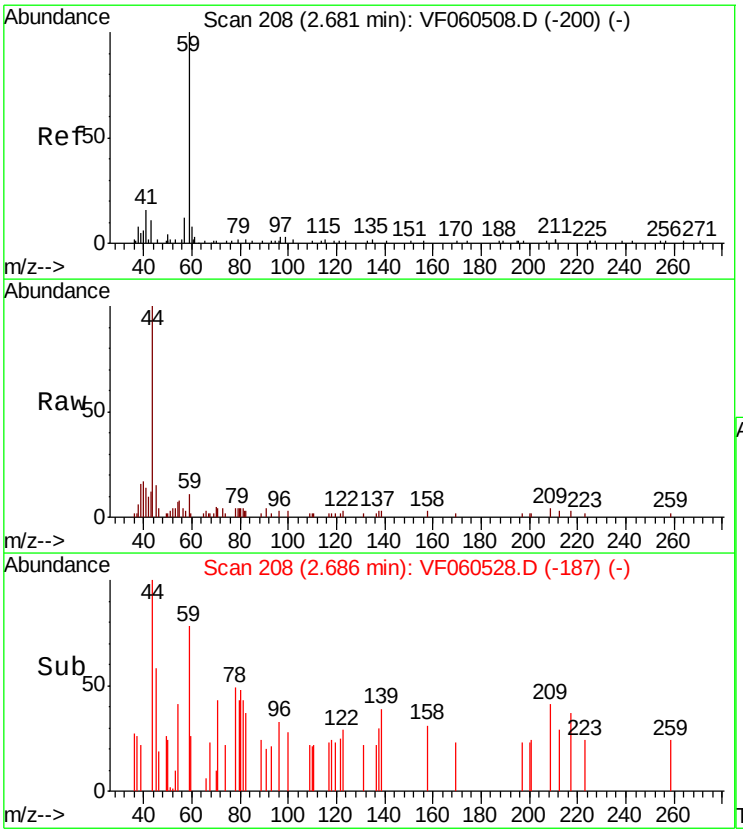
#8
Diethyl Ether
Concen: 2.614 ug/l
RT: 1.71 min Scan# 109
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 74 Resp: 3426

Ion	Ratio	Lower	Upper
74	100		
45	72.7	62.1	186.3

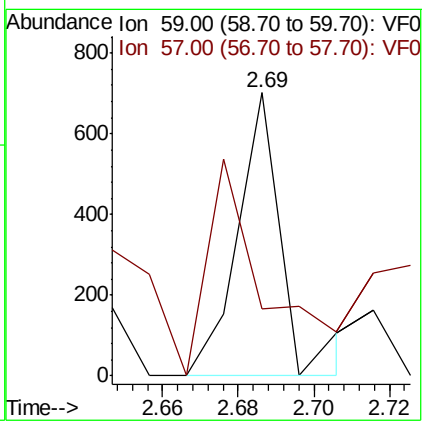


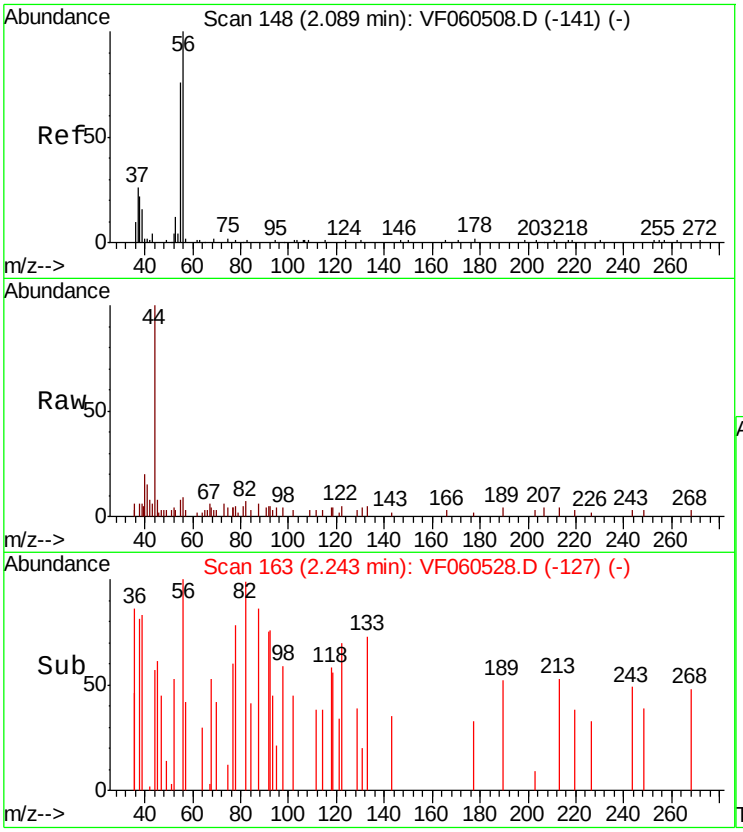


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.69 min Scan# 208
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 59 Resp: 570

Ion	Ratio	Lower	Upper
59	100		
57	23.5	15.8	23.8



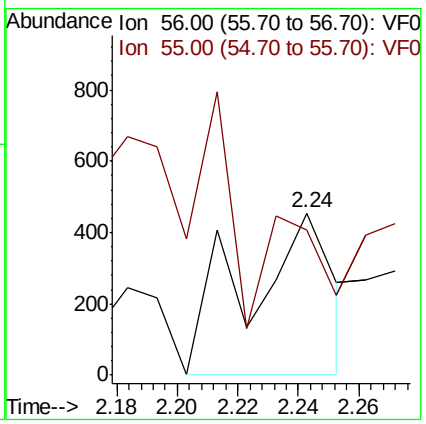


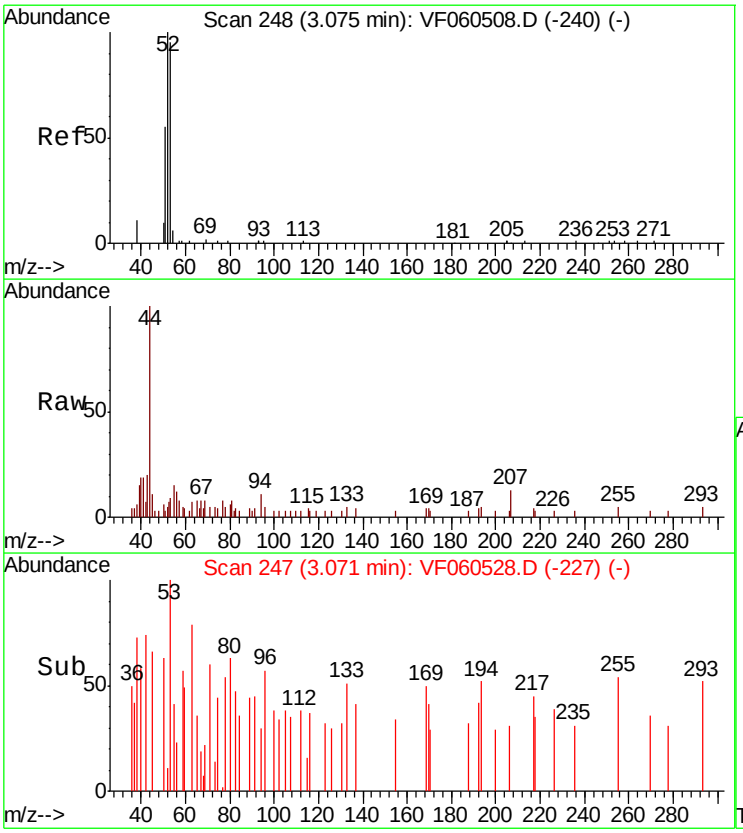
#13
Acrolein
Concen: 3.386 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.15 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 56 Resp: 901

Ion	Ratio	Lower	Upper
56	100		
55	89.2	63.0	94.4

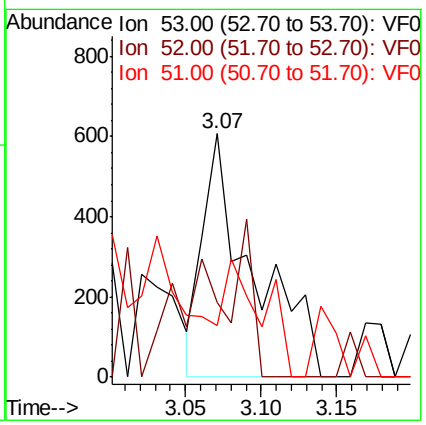


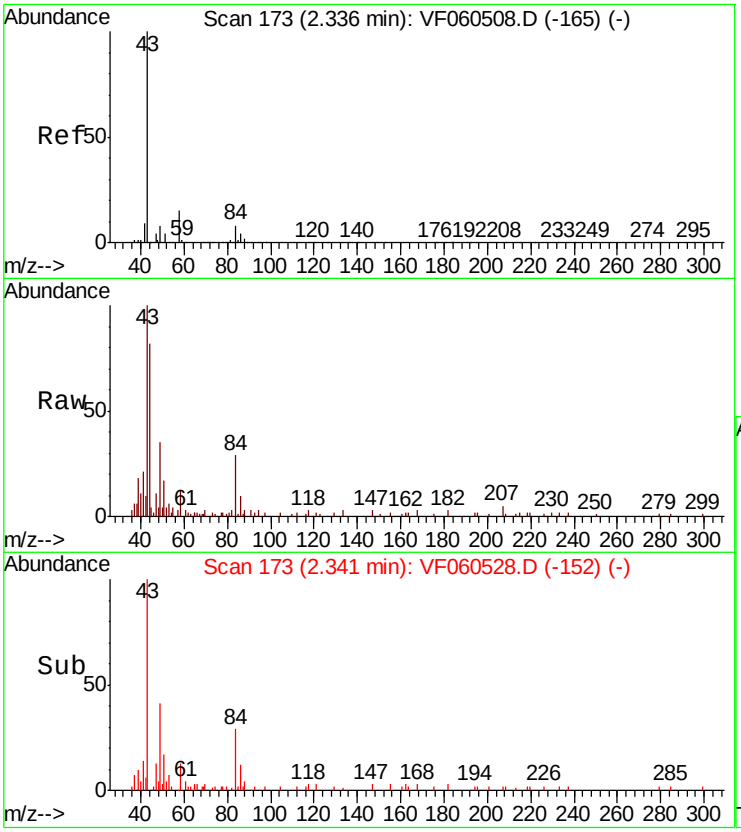


#15
Acrylonitrile
Concen: 2.907 ug/l
RT: 3.07 min Scan# 247
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 53 Resp: 1400

Ion	Ratio	Lower	Upper
53	100		
52	73.1	84.0	126.0#
51	21.4	48.6	73.0#



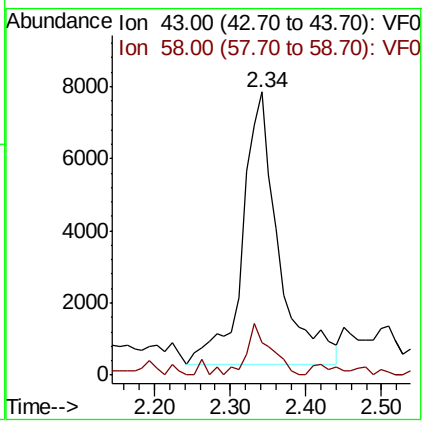


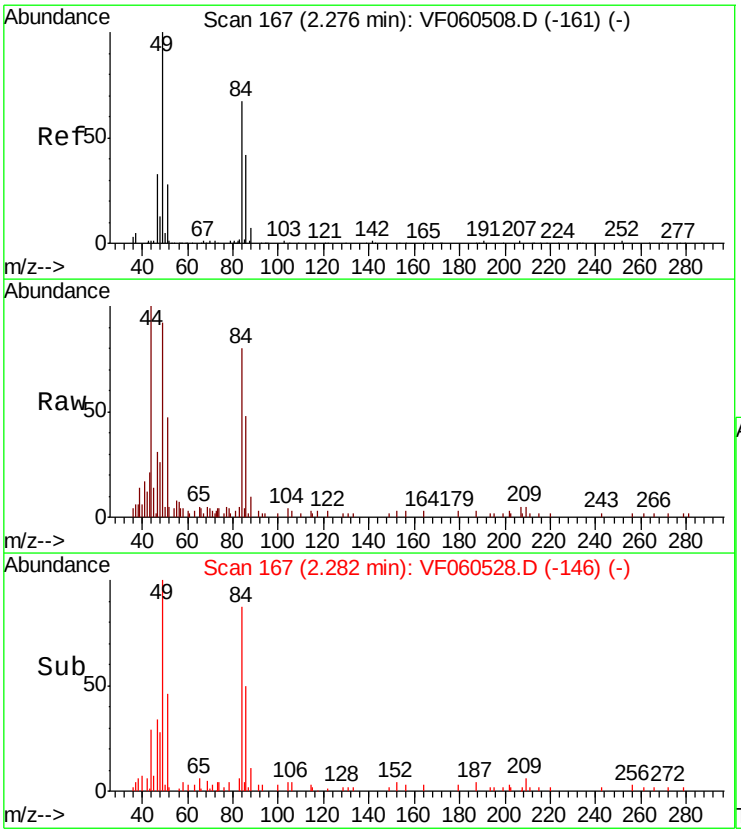
#16
Acetone
Concen: Below Cal
RT: 2.34 min Scan# 173
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 43 Resp: 24969

Ion	Ratio	Lower	Upper
43	100		
58	11.6	11.7	17.5#

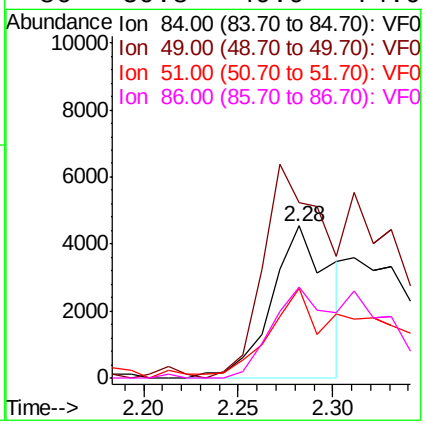


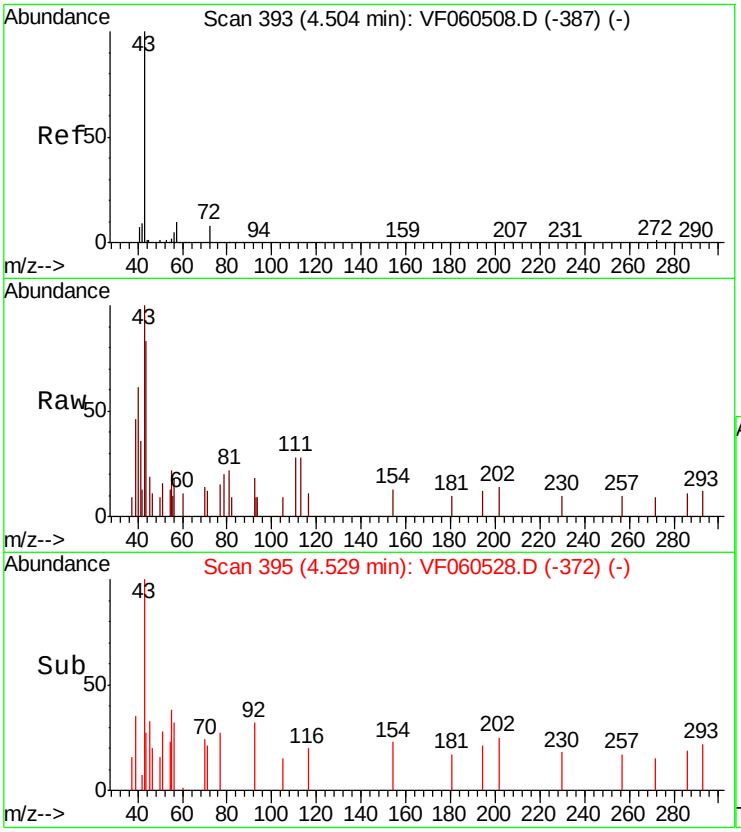


#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 84 Resp: 9807

Ion	Ratio	Lower	Upper
84	100		
49	115.0	123.1	184.7#
51	58.9	35.3	52.9#
86	59.8	49.9	74.9



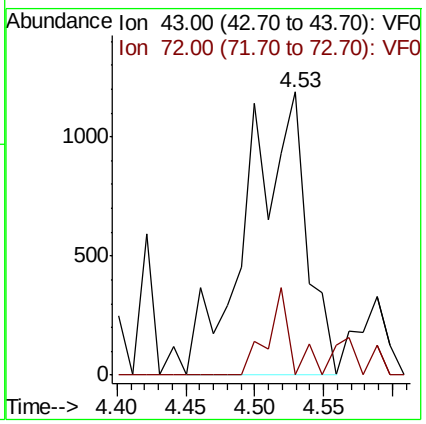


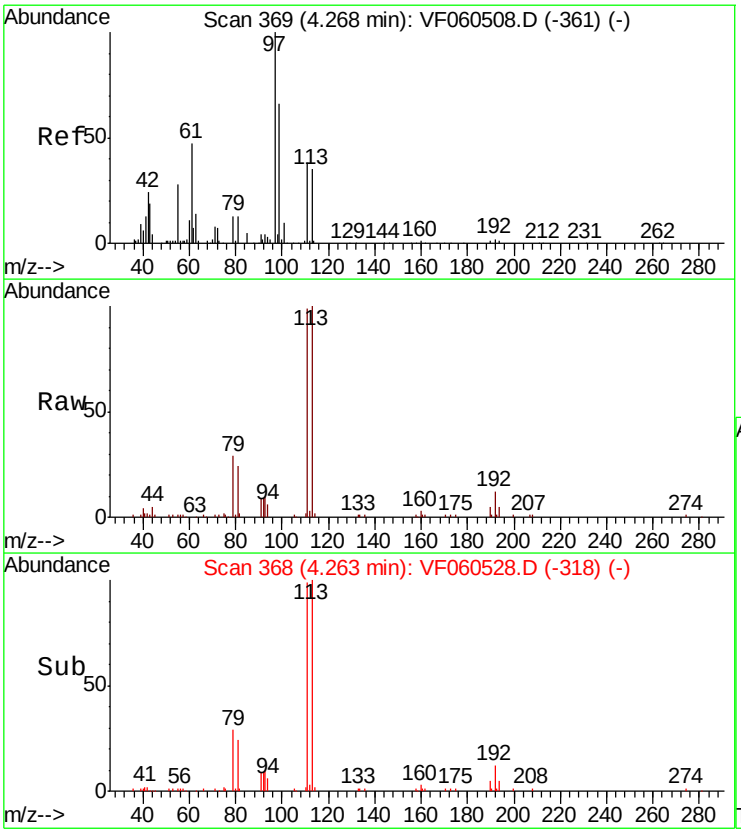
#25
2-Butanone
Concen: 3.300 ug/l
RT: 4.53 min Scan# 395
Delta R.T. 0.03 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 43 Resp: 3506

Ion	Ratio	Lower	Upper
43	100		
72	0.0	13.0	19.6#

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

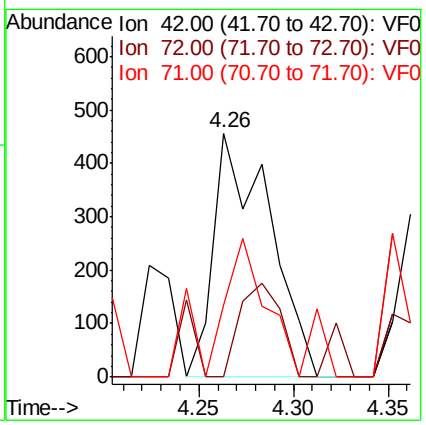


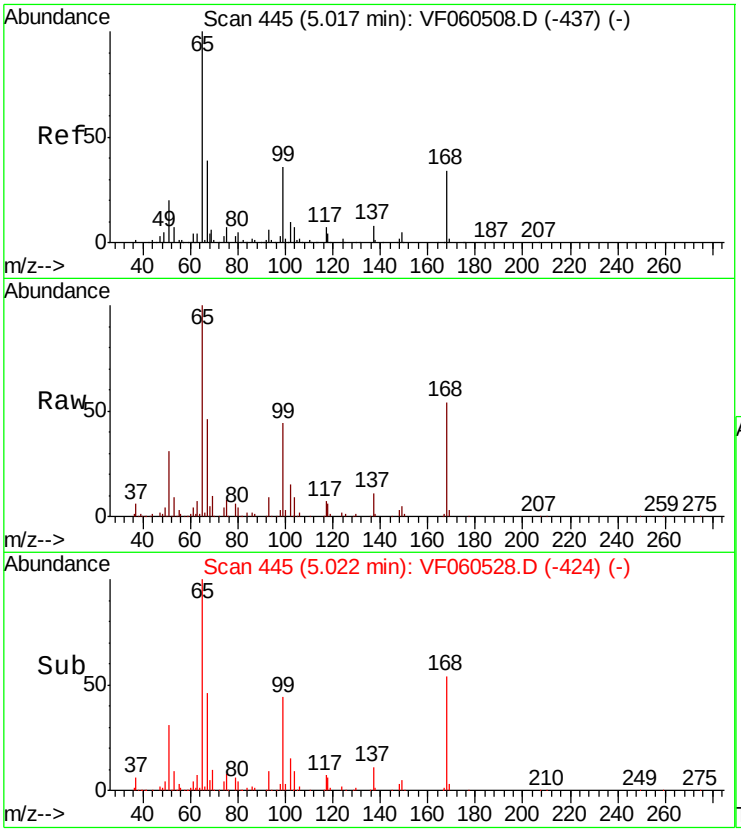


#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 42 Resp: 939

Ion	Ratio	Lower	Upper
42	100		
72	28.1	32.1	48.1#
71	59.0	29.7	44.5#



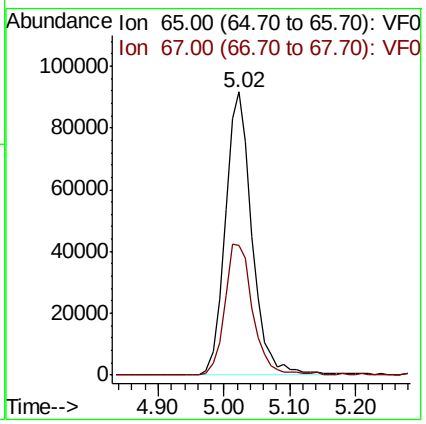


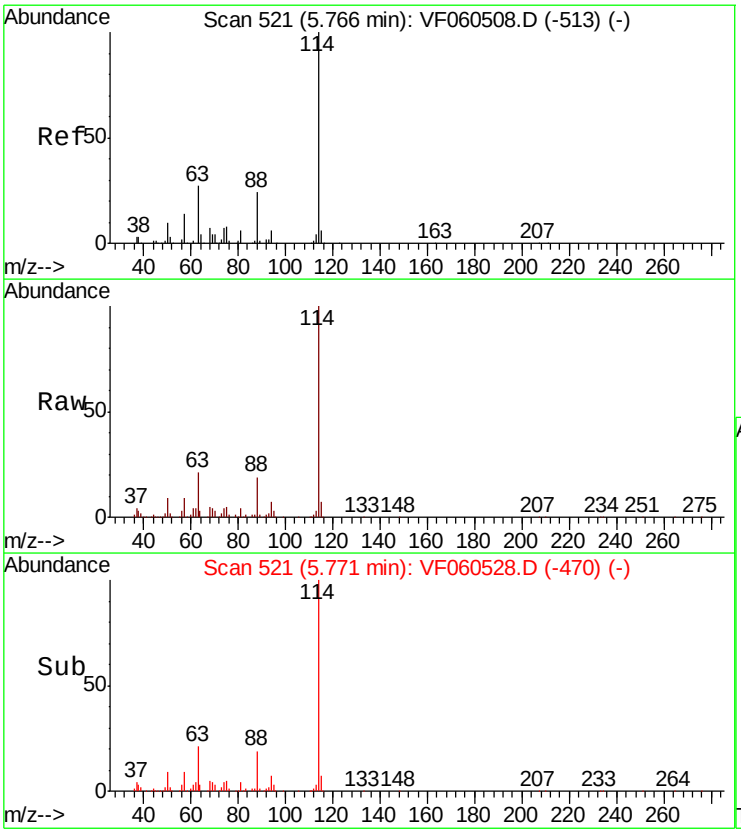
#33
1,2-Dichloroethane-d4
Concen: 43.434 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 65 Resp: 259860

Ion	Ratio	Lower	Upper
65	100		
67	46.1	0.0	85.8

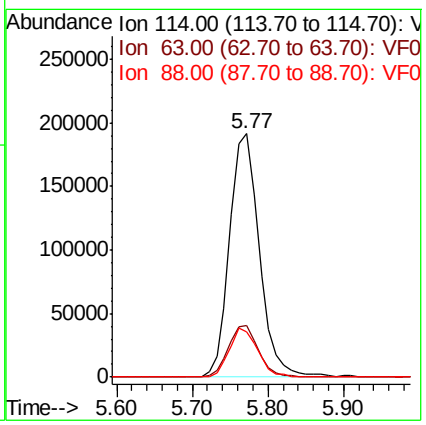


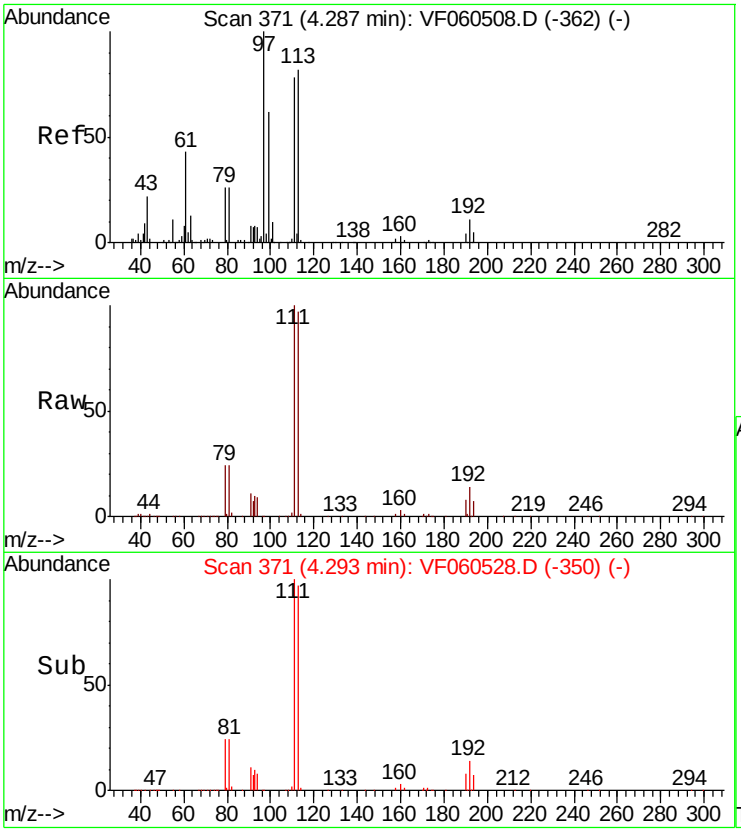


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 521
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion:114 Resp: 520763

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	54.4
88	18.7	0.0	47.2



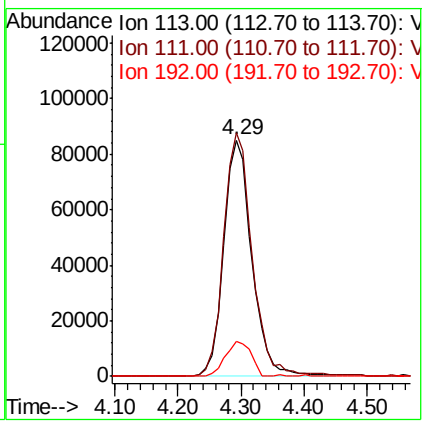


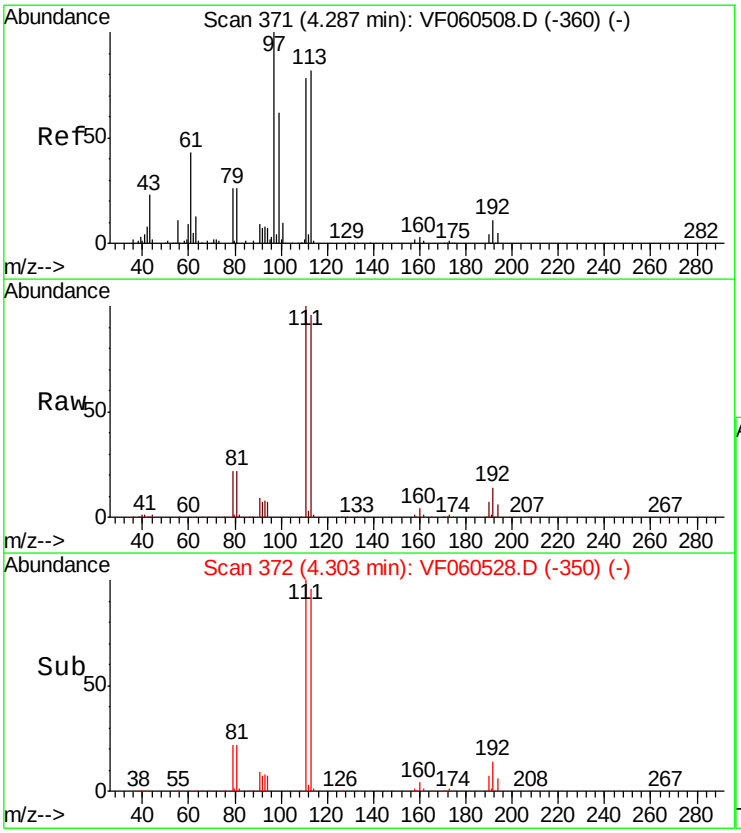
#35
Dibromofluoromethane
Concen: 41.837 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion:113 Resp: 261157

Ion	Ratio	Lower	Upper
113	100		
111	103.1	75.9	113.9
192	14.8	10.6	15.8

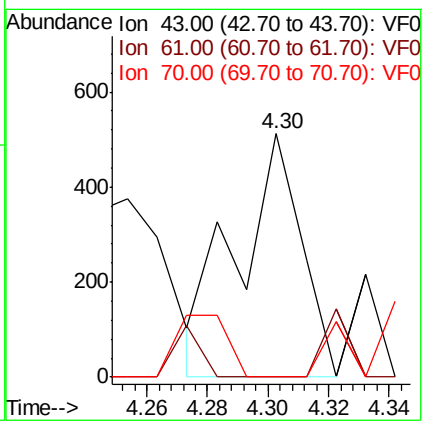


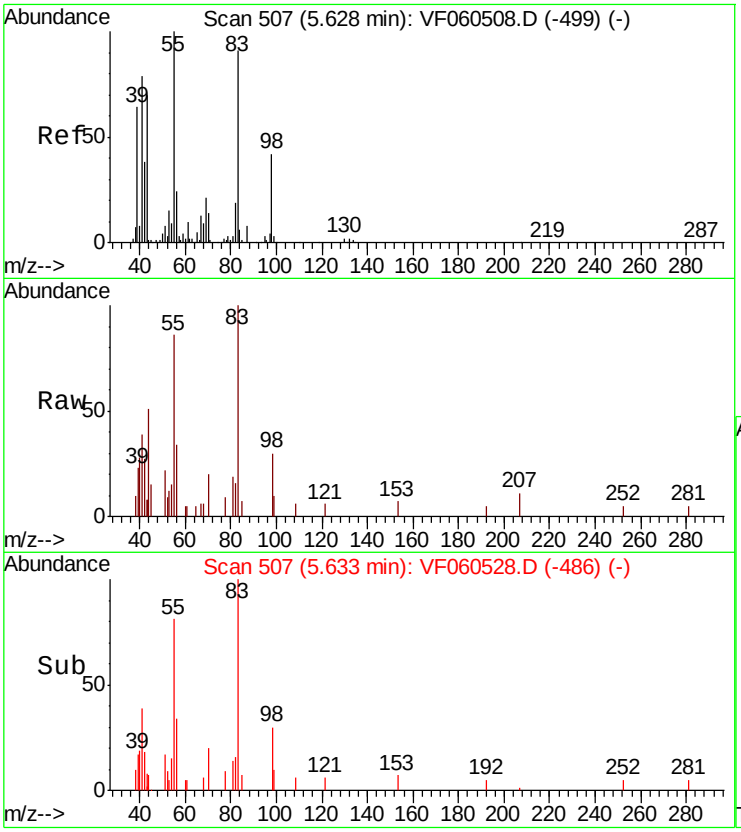


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 43 Resp: 751

Ion	Ratio	Lower	Upper
43	100		
61	0.0	148.5	222.7#
70	0.0	4.7	7.1#



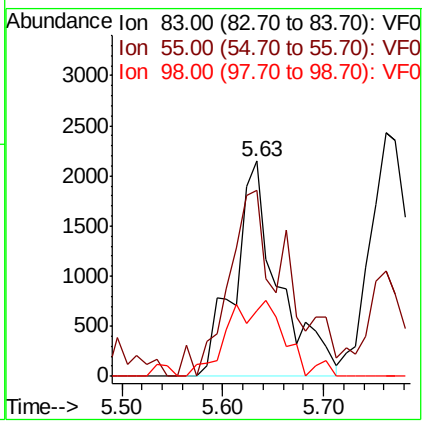


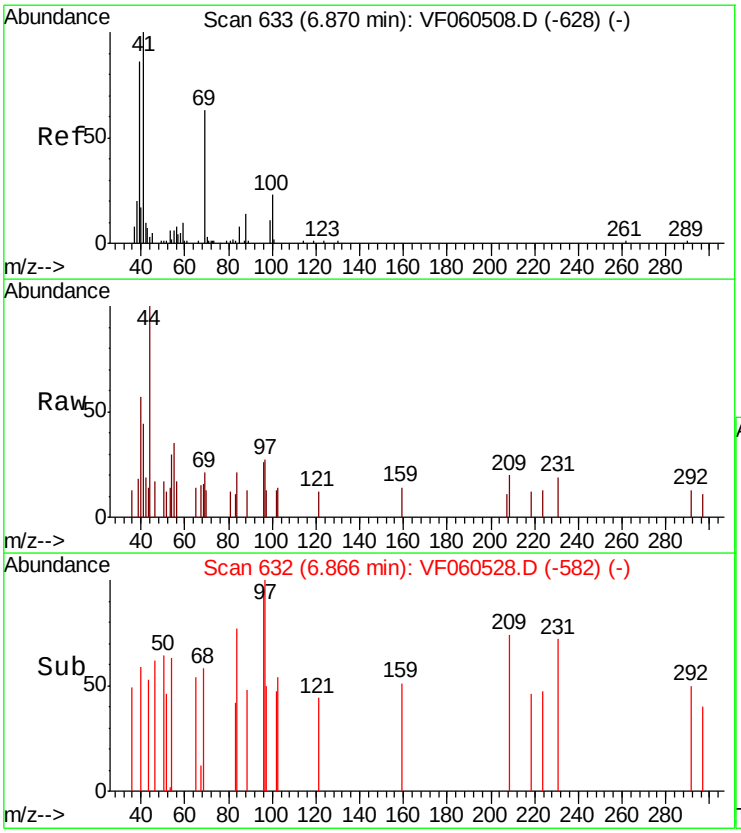
#39
Methylcyclohexane
Concen: 1.041 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 83 Resp: 6550

Ion	Ratio	Lower	Upper
83	100		
55	86.2	87.9	131.9#
98	30.2	37.0	55.6#

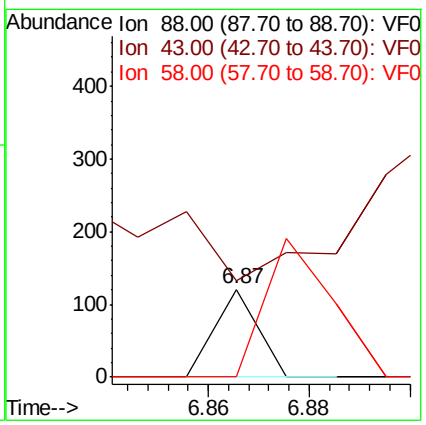


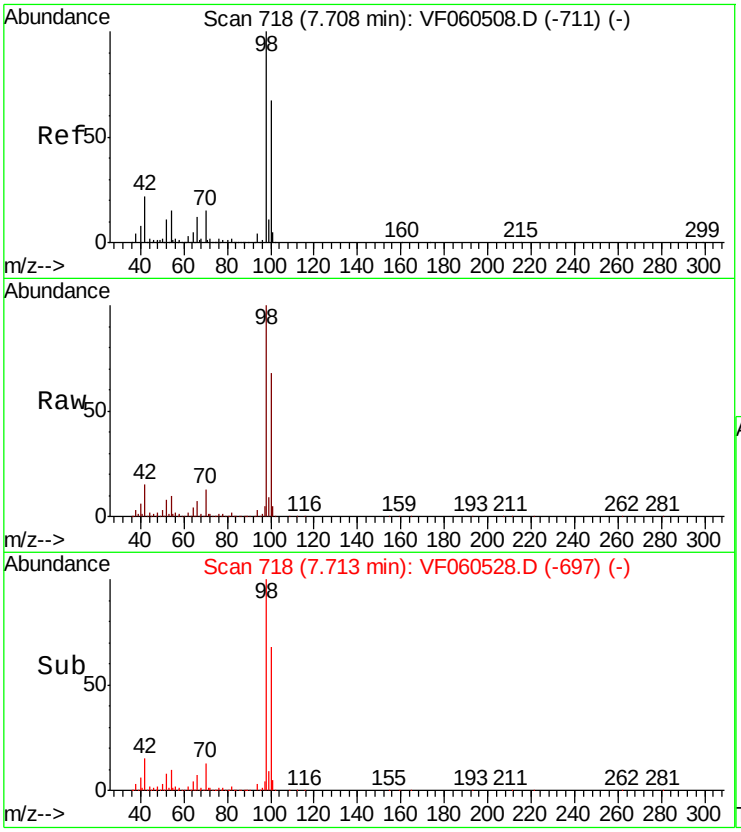


#49
1,4-Dioxane
Concen: 4.173 ug/l
RT: 6.87 min Scan# 632
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 88 Resp: 72

Ion	Ratio	Lower	Upper
88	100		
43	109.9	39.3	58.9#
58	0.0	35.0	52.6#



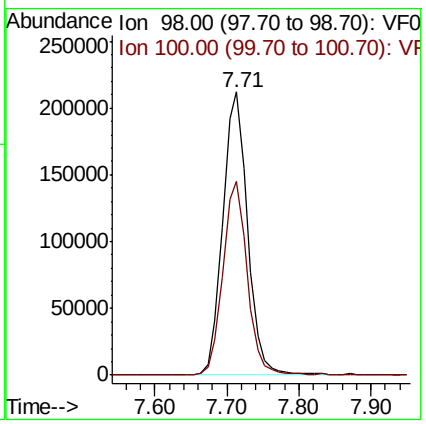


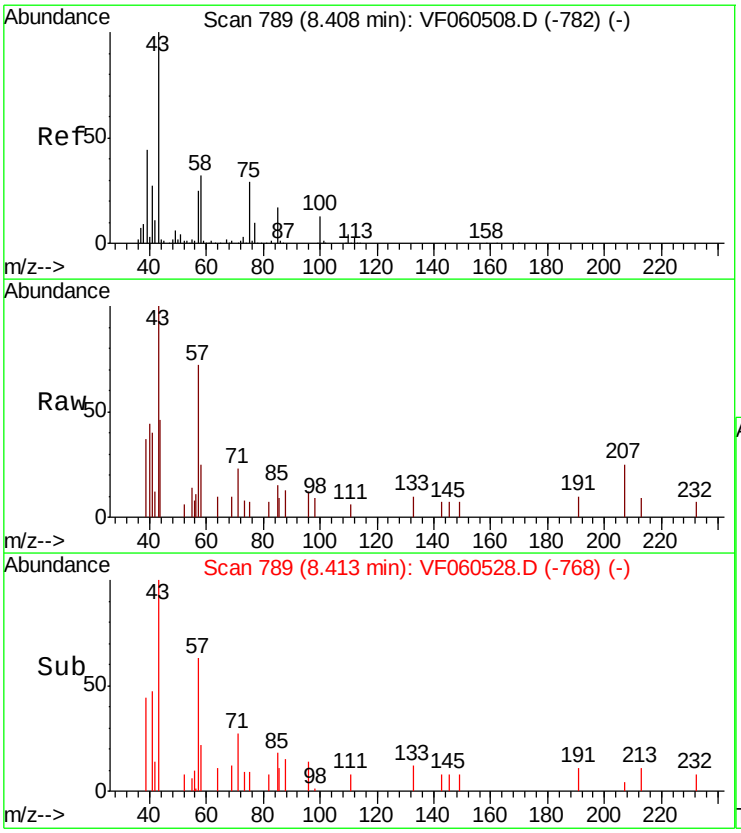
#50
Toluene-d8
Concen: 40.387 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 98 Resp: 505933

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.0

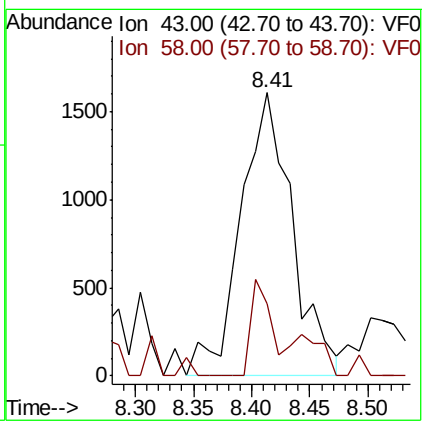


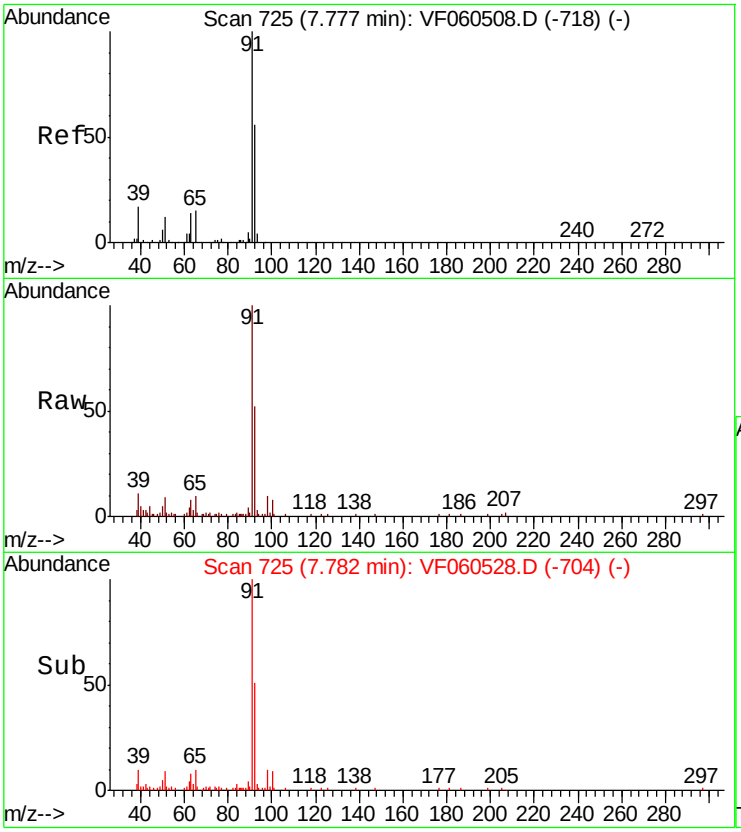


#51
4-Methyl-2-Pentanone
Concen: 2.386 ug/l
RT: 8.41 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 43 Resp: 4952

Ion	Ratio	Lower	Upper
43	100		
58	25.5	25.4	38.2



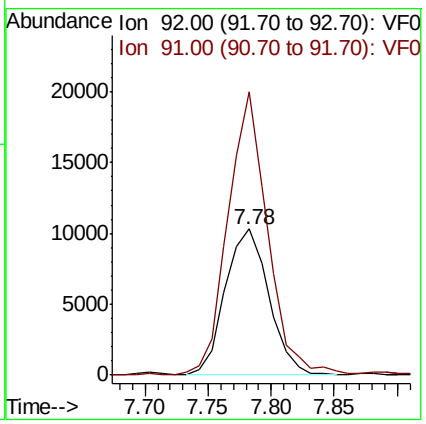


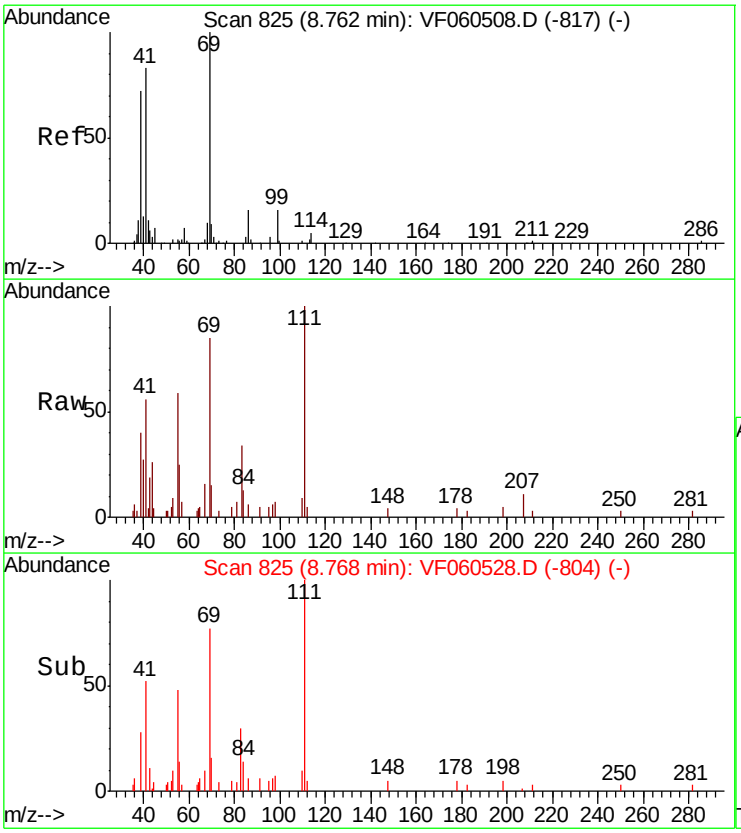
#52
Toluene
Concen: 2.960 ug/l
RT: 7.78 min Scan# 725
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 92 Resp: 24685

Ion	Ratio	Lower	Upper
92	100		
91	193.9	143.8	215.8

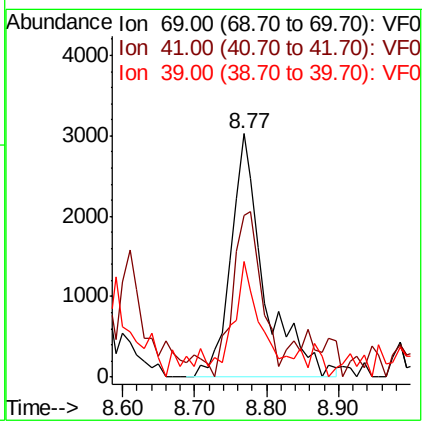


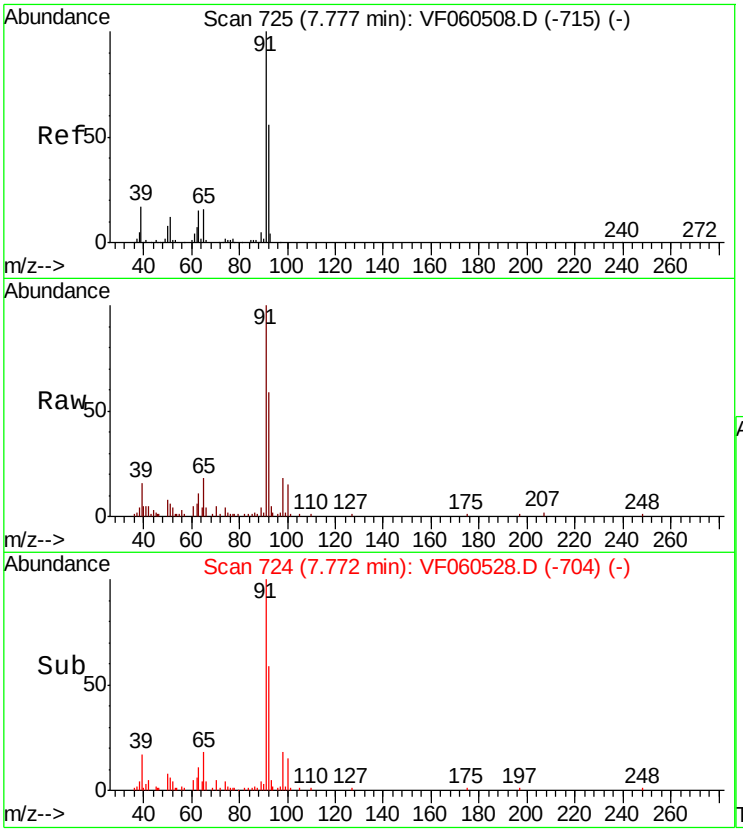


#56
Ethyl methacrylate
Concen: 3.472 ug/l
RT: 8.77 min Scan# 825
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 69 Resp: 9777

Ion	Ratio	Lower	Upper
69	100		
41	66.5	67.2	100.8#
39	47.2	58.4	87.6#



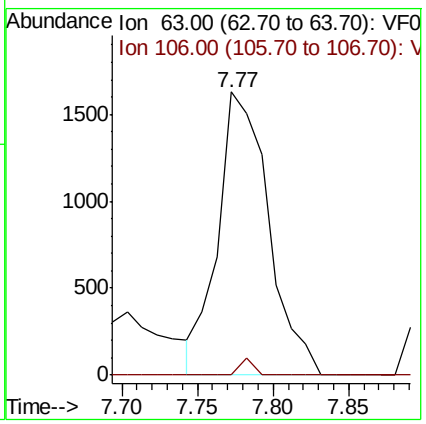


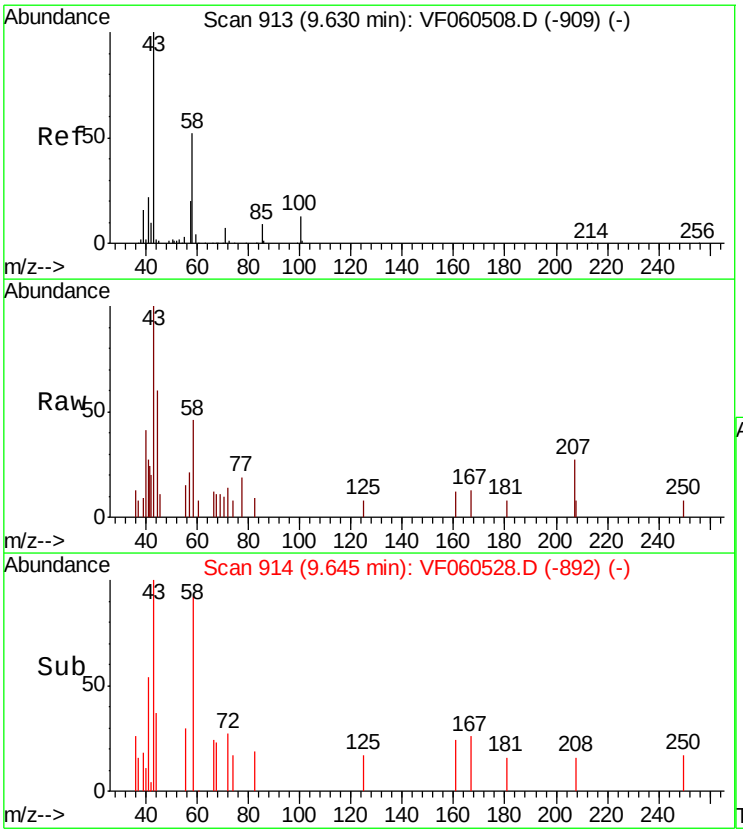
#58
2-Chloroethyl Vinyl ether
Concen: 9.745 ug/l
RT: 7.77 min Scan# 724
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 63 Resp: 3794

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

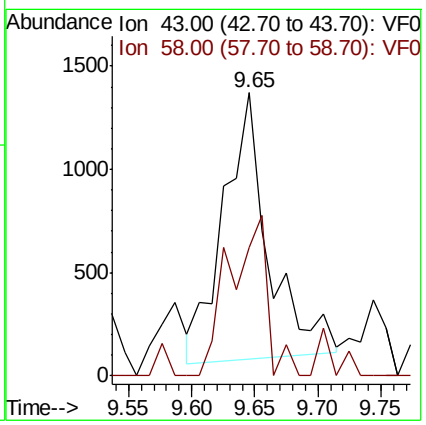


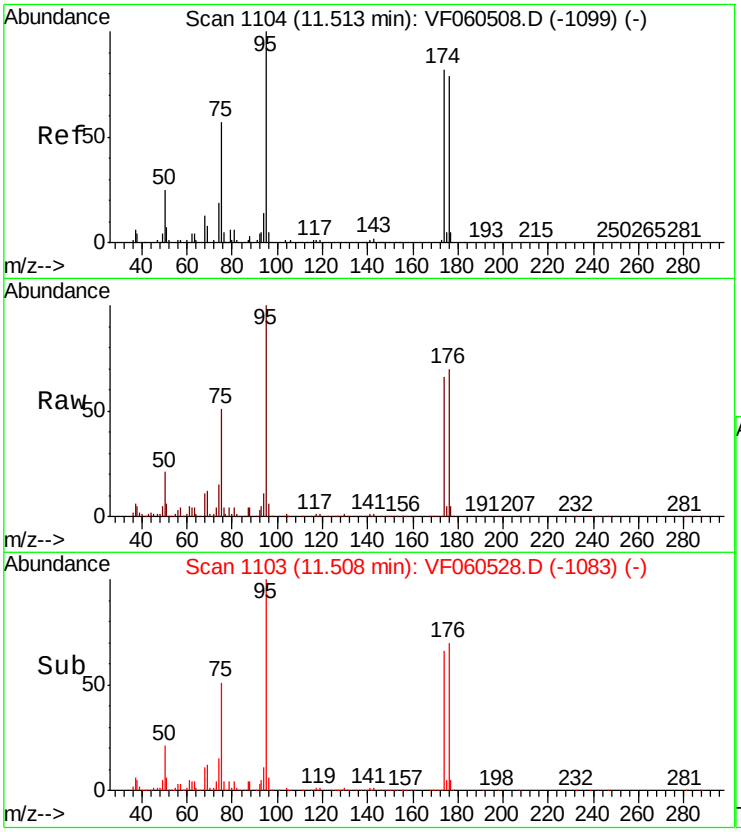


#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 914
Delta R.T. 0.02 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 43 Resp: 3166

Ion	Ratio	Lower	Upper
43	100		
58	45.6	23.5	70.5



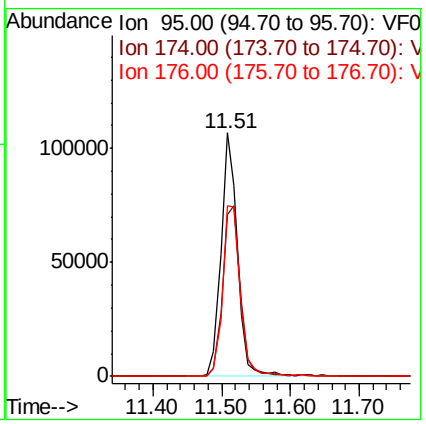


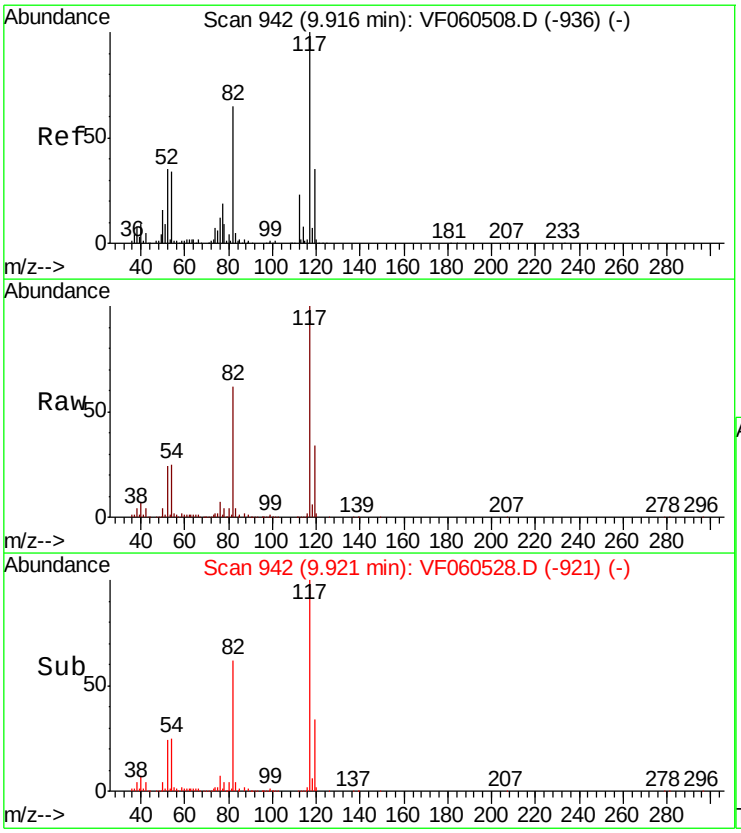
#62
4-Bromofluorobenzene
Concen: 25.347 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion: 95 Resp: 176851

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	164.2
176	70.1	0.0	158.4

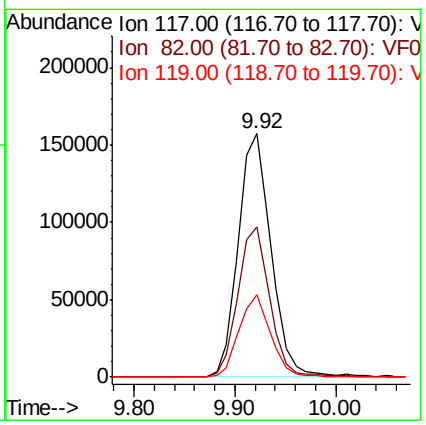


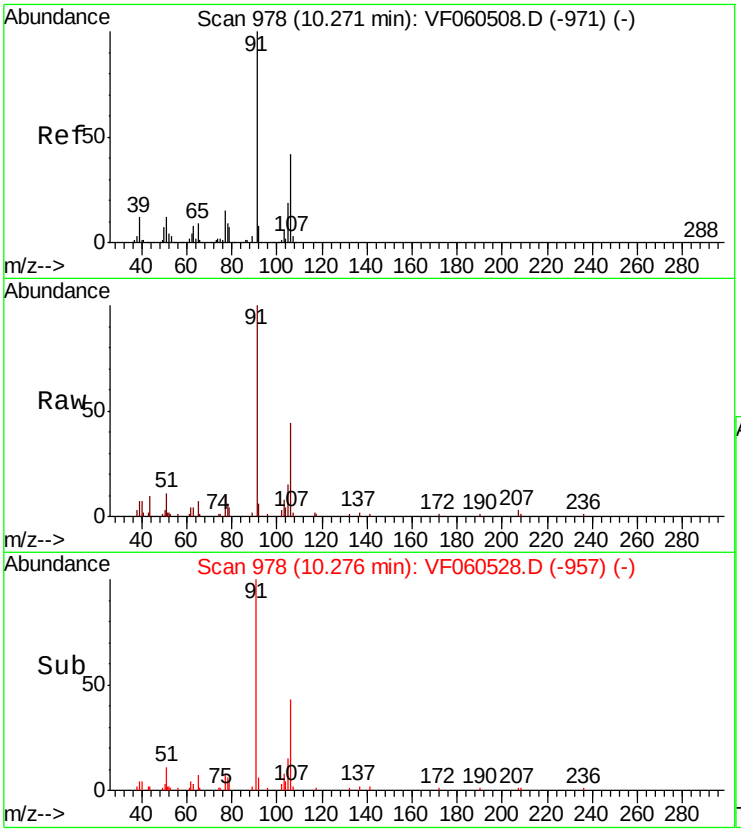


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion:117 Resp: 355894

Ion	Ratio	Lower	Upper
117	100		
82	61.8	51.7	77.5
119	33.9	28.3	42.5



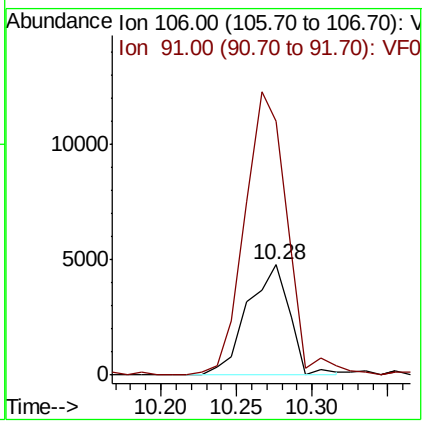


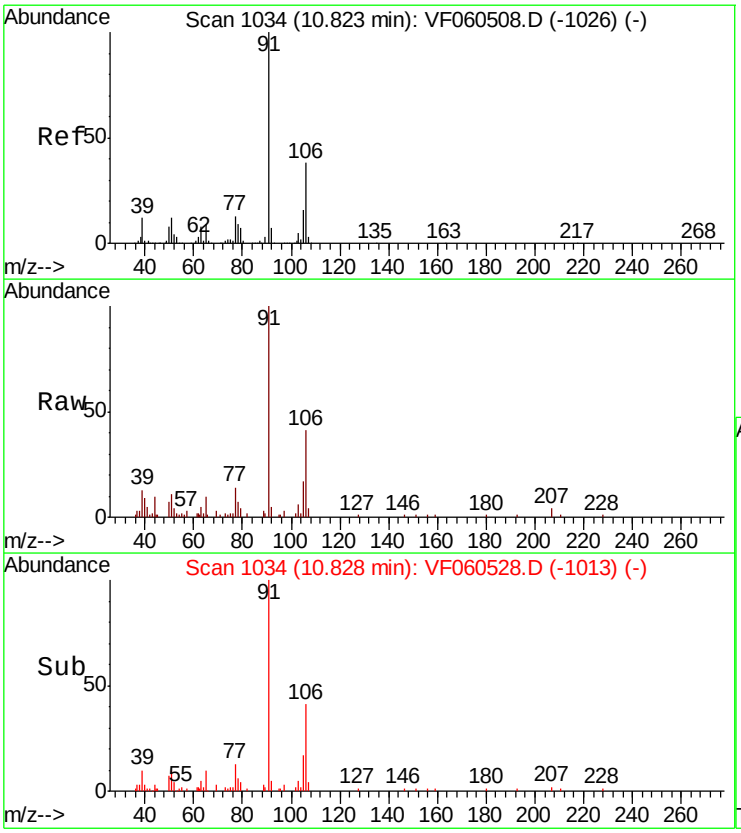
#68
m/p-Xylenes
Concen: 1.932 ug/l
RT: 10.28 min Scan# 978
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion:106 Resp: 9268

Ion	Ratio	Lower	Upper
106	100		
91	229.9	192.5	288.7

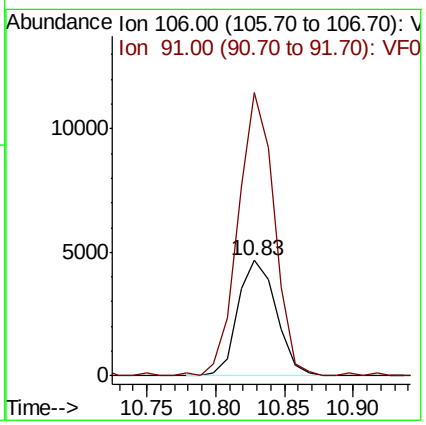


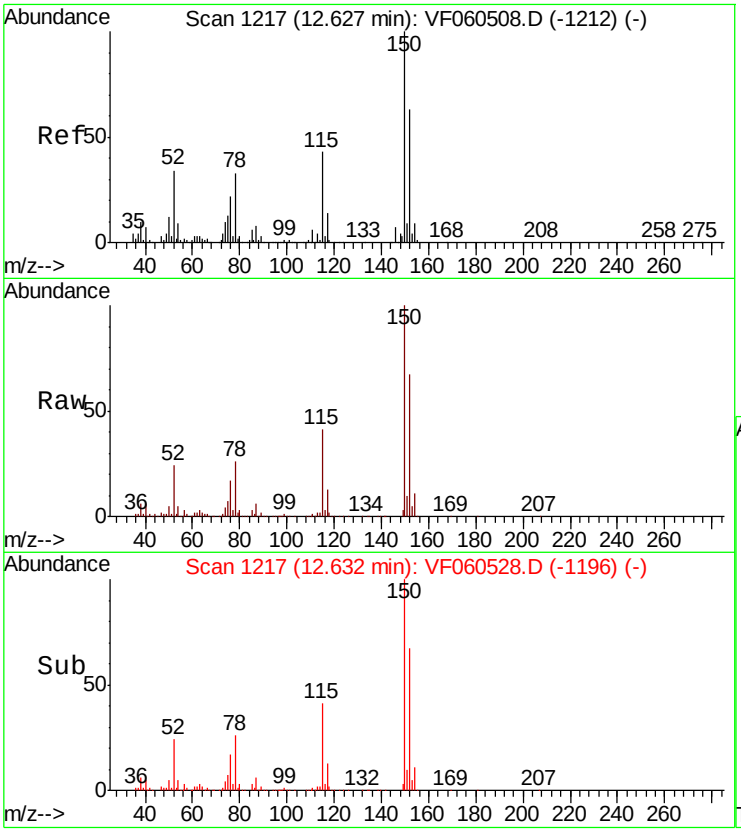


#69
o-Xylene
Concen: 1.688 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion:106 Resp: 9082

Ion	Ratio	Lower	Upper
106	100		
91	245.0	130.9	392.7



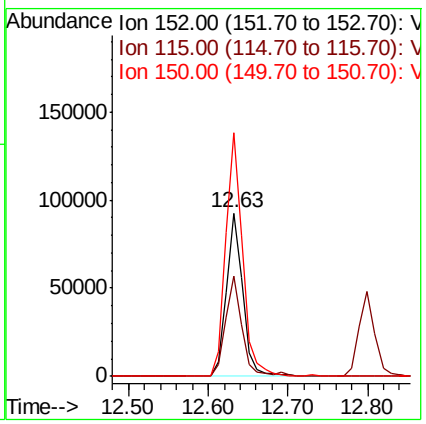


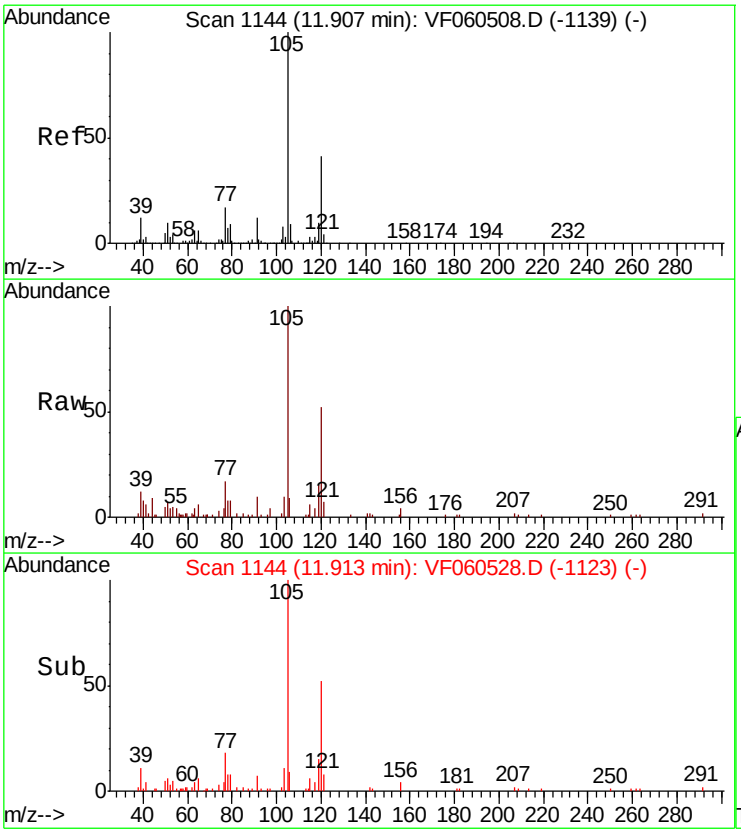
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion:152 Resp: 135649

Ion	Ratio	Lower	Upper
152	100		
115	61.3	34.6	103.9
150	148.9	0.0	319.8

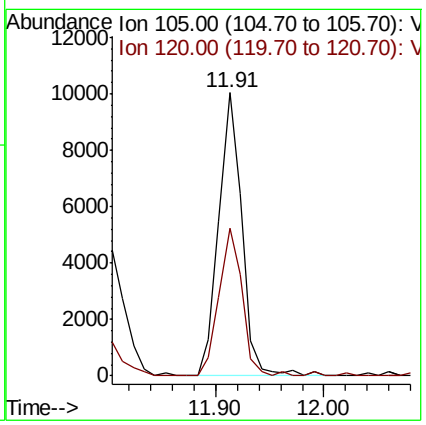


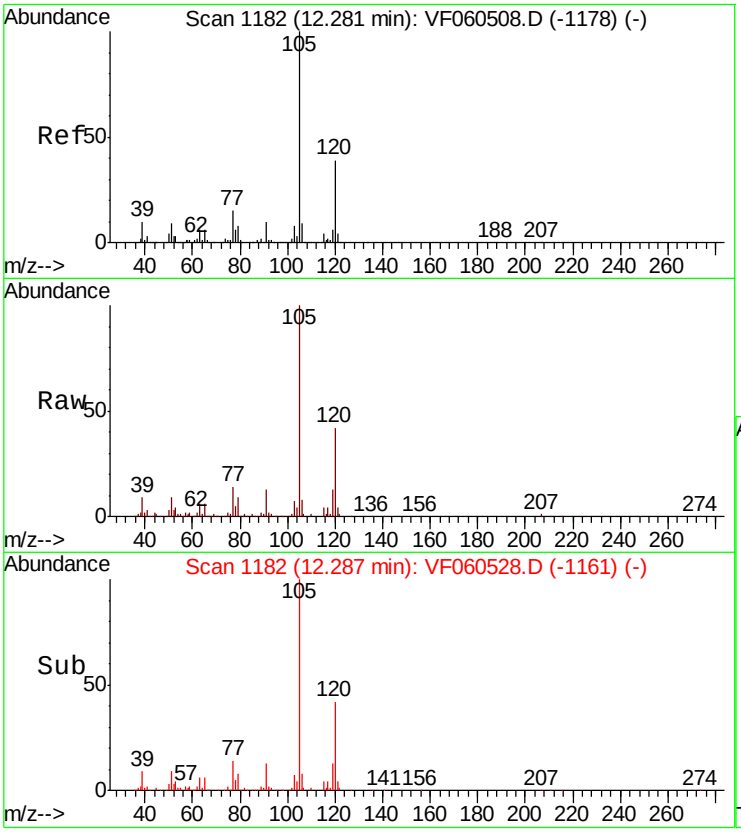


#80
1,3,5-Trimethylbenzene
Concen: 1.587 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion:105 Resp: 15018

Ion	Ratio	Lower	Upper
105	100		
120	52.4	20.6	61.9



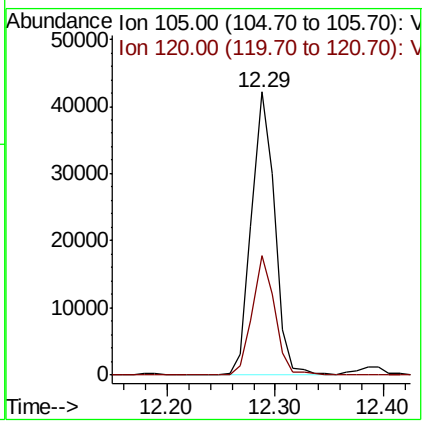


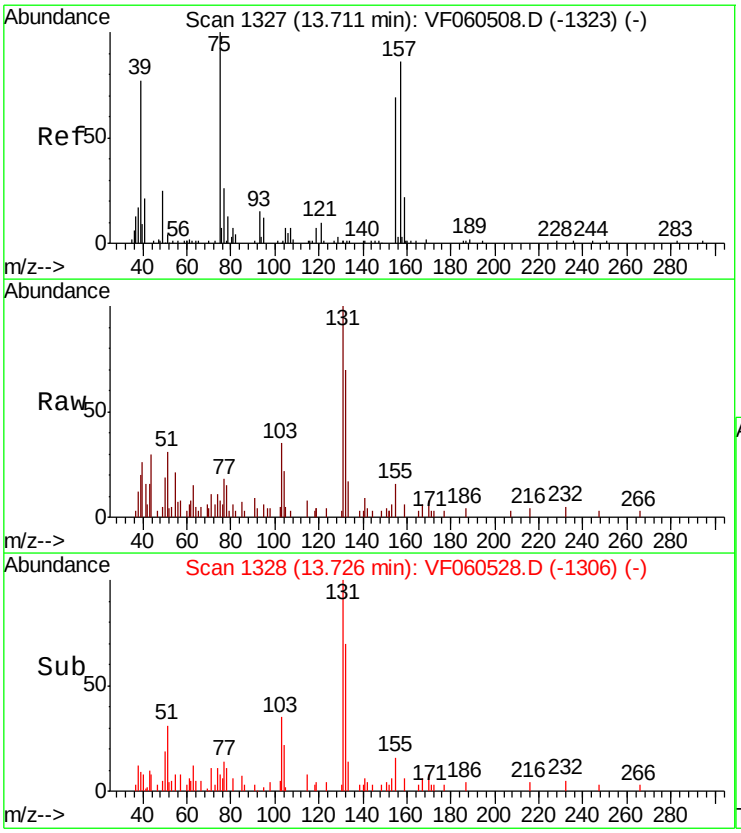
#84
1,2,4-Trimethylbenzene
Concen: 6.740 ug/l
RT: 12.29 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion:105 Resp: 63225

Ion	Ratio	Lower	Upper
105	100		
120	42.2	19.4	58.1

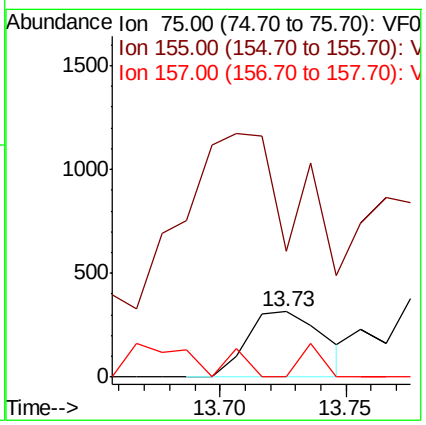


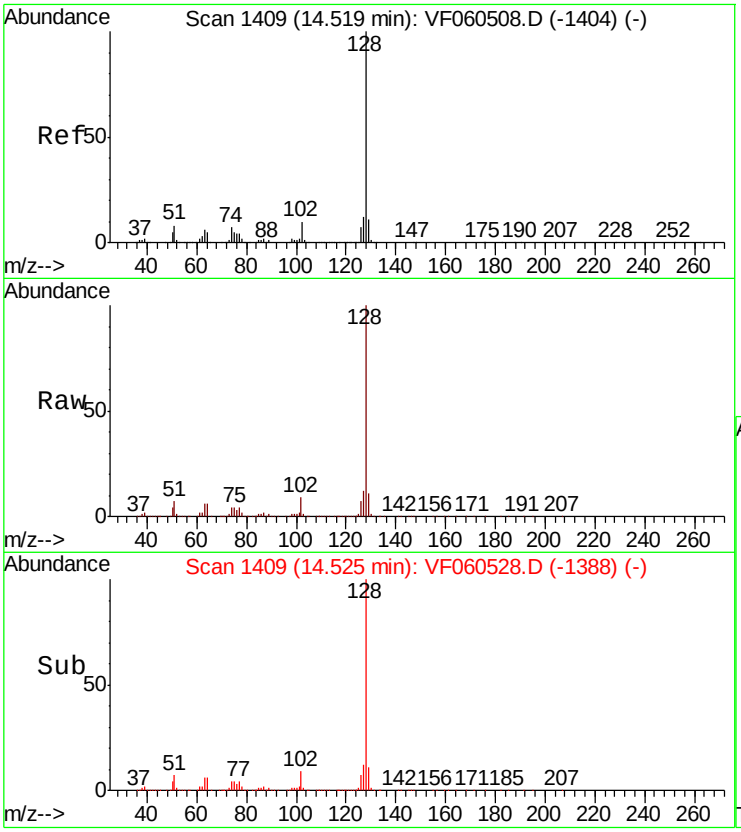


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.680 ug/l
RT: 13.73 min Scan# 1328
Delta R.T. 0.02 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Tgt Ion: 75 Resp: 665

Ion	Ratio	Lower	Upper
75	100		
155	191.4	34.7	104.1#
157	0.0	42.9	128.5#





#95
Naphthalene
Concen: 108.823 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.01 min
Lab File: VF060528.D
Acq: 26 Oct 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-A

Tgt Ion:128 Resp: 612066

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	11.0	8.9	13.3