Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060587.D
Acq On : 5 Nov 2018 22:35
Operator : VA/AP
Sample : J5741-55RE
Misc : 6.94/5mL/MSVOA-F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Nov 06 06:58:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	100474	50.00 ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	135139	50.00 ug/l	0.00
63) Chlorobenzene-d5	9.78	117	88501	50.00 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	27549	50.00 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	4.84	65	17537	17.28 ug/l	0.00
Spiked Amount 50.000			Recovery =	34.56%	
35) Dibromofluoromethane	4.11	113	25667	24.58 ug/l	0.00
Spiked Amount 50.000			Recovery =	49.16%	
50) Toluene-d8	7.56	98	109597	35.44 ug/l	0.00
Spiked Amount 50.000			Recovery =	70.88%	
62) 4-Bromofluorobenzene	11.41	95	29958	22.14 ug/l	0.00
Spiked Amount 50.000			Recovery =	44.28%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.98	85	240	Below Cal #	60
3) Chloromethane	1.11	50	991	1.127 ug/l #	45
6) Chloroethane	1.40	64	105	Below Cal #	40
11) Tert butyl alcohol	2.56	59	102	Below Cal #	1
12) 1,1-Dichloroethene	1.75	96	1187	1.626 ug/l #	1
13) Acrolein	1.99	56	785	Below Cal #	79
15) Acrylonitrile	2.98	53	431	3.562 ug/l #	17
16) Acetone	2.23	43	3334	13.937 ug/l #	90
18) Methyl Acetate	2.18	43	536	1.908 ug/l	95
20) Methylene Chloride	2.19	84	5721	2.921 ug/l #	72
25) 2-Butanone	4.34	43	2388	Below Cal #	56
26) 2,2-Dichloropropane	3.64	77	1379	1.261 ug/l #	62
29) Tetrahydrofuran	4.06	42	308	Below Cal #	12
37) Ethyl Acetate	4.14	43	992	1.389 ug/l #	17
41) Methacrylonitrile	4.78	41	1112	2.749 ug/l #	62
48) Methyl methacrylate	6.71	41	992	1.747 ug/l #	63
49) 1,4-Dioxane	6.81	88	63	10.606 ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	2150	3.539 ug/l #	55
56) Ethyl methacrylate	8.62	69	1154	1.310 ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.62	63	59	Below Cal	100
59) 2-Hexanone	9.50	43	2141	Below Cal	80
74) N-amyl acetate	11.37	43	775	Below Cal #	45
92) 1,2-Dibromo-3-Chloropropan	13.62	75	190	2.789 ug/l #	1

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

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MSVOA_F
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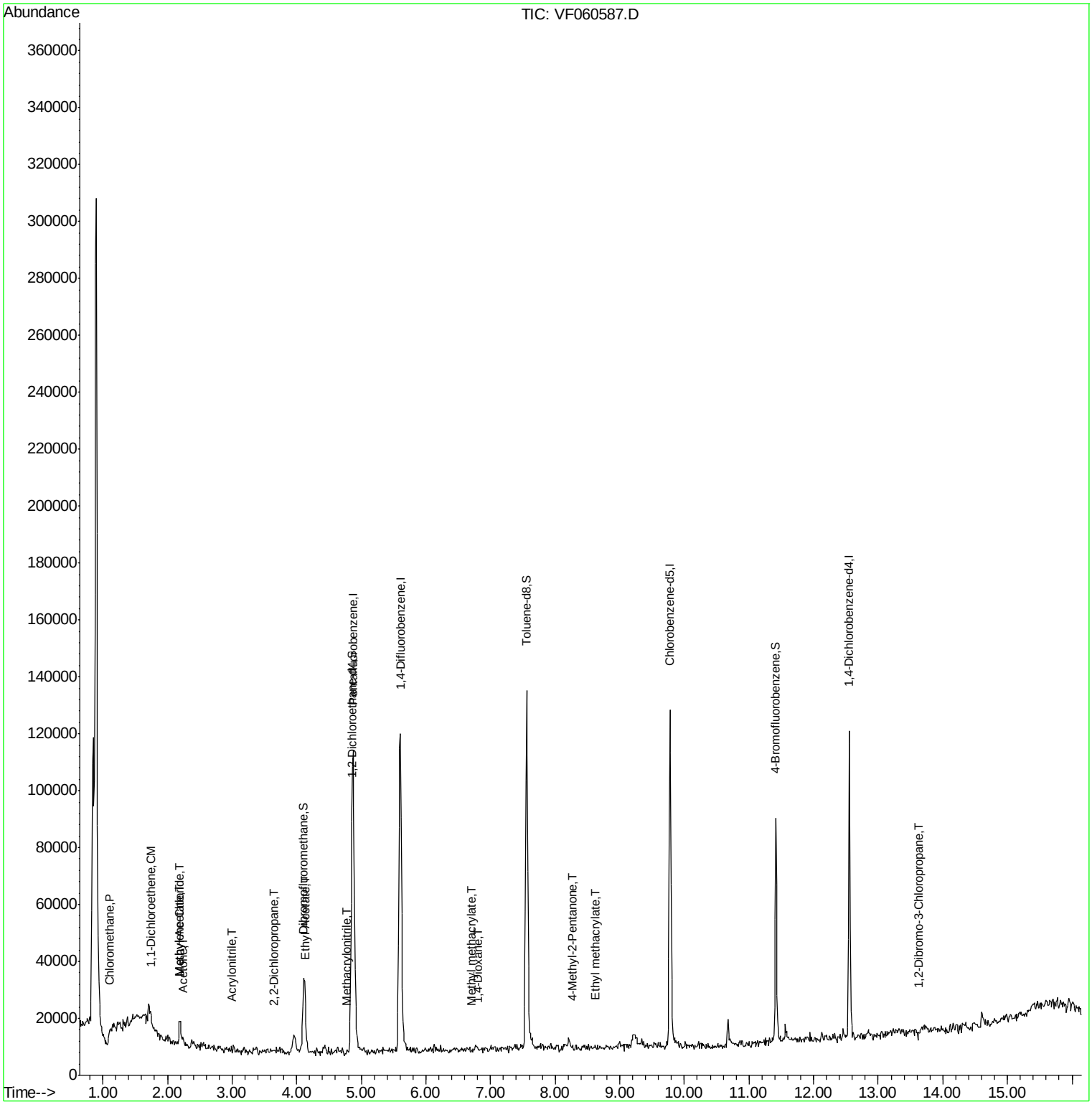
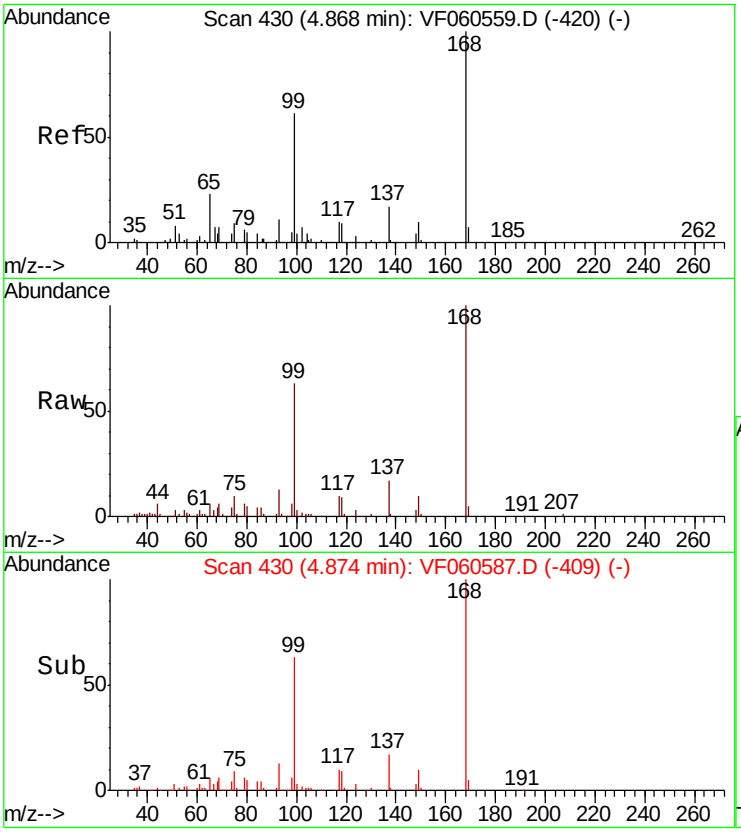


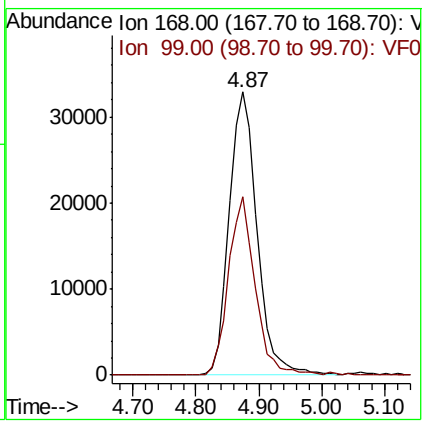


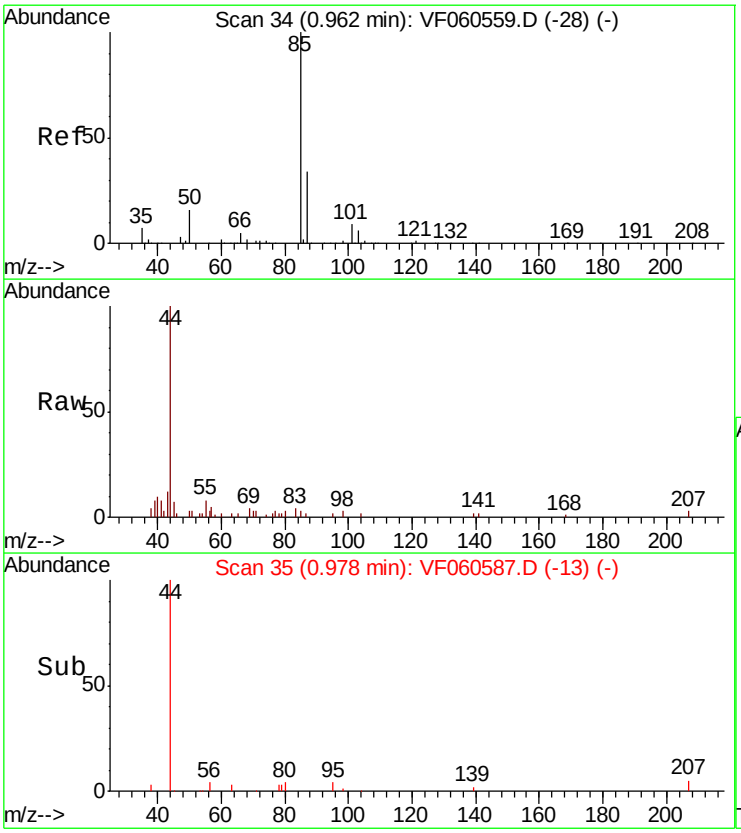
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 100474

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.6	72.8

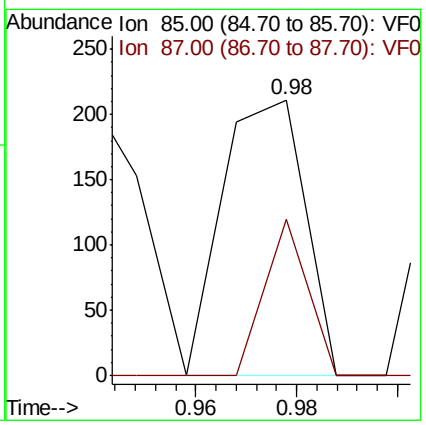


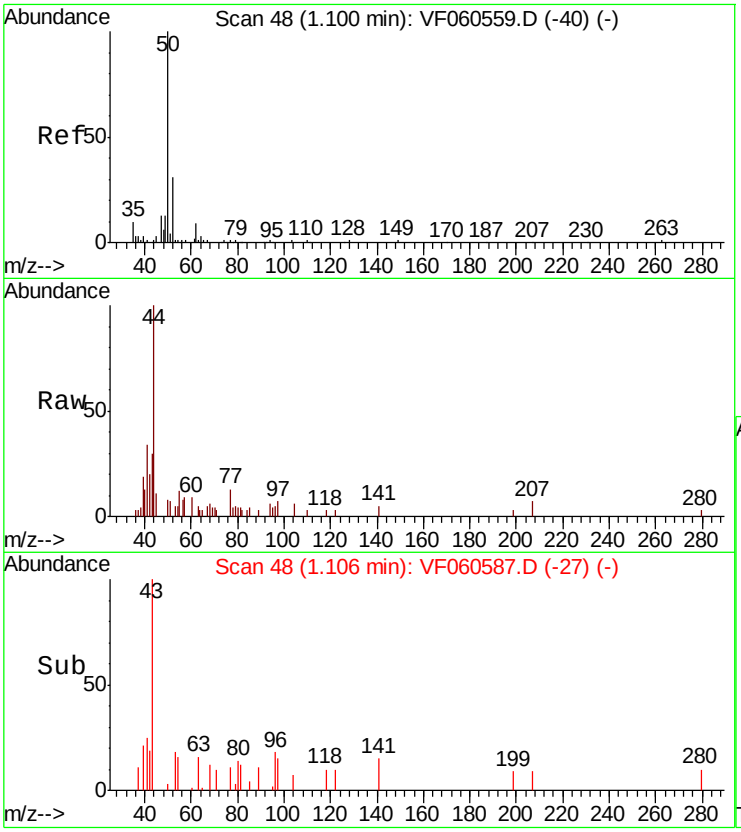


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.98 min Scan# 35
Delta R.T. 0.02 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 85 Resp: 240

Ion	Ratio	Lower	Upper
85	100		
87	56.9	16.9	50.7#



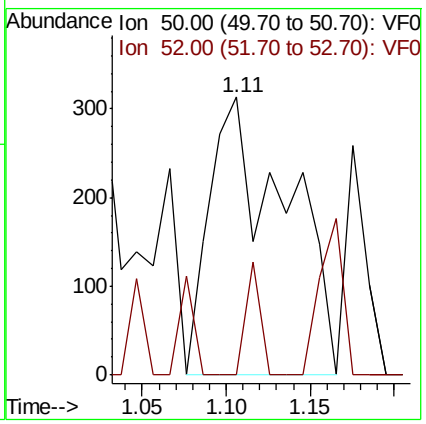


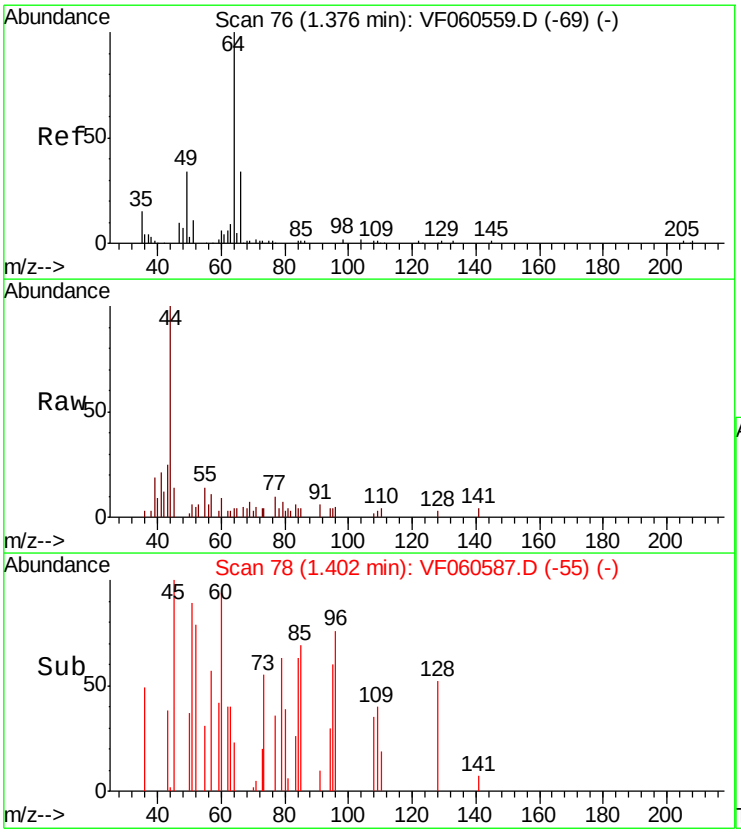
#3
Chloromethane
Concen: 1.127 ug/l
RT: 1.11 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 50 Resp: 991

Ion	Ratio	Lower	Upper
50	100		
52	0.0	24.0	36.0#

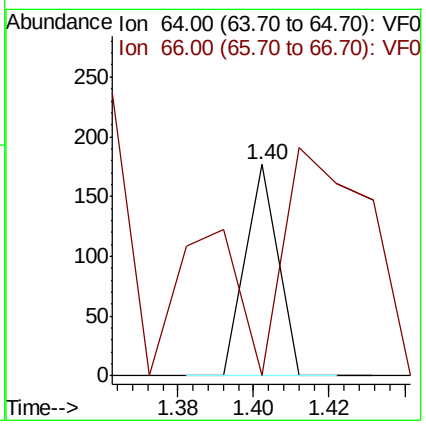


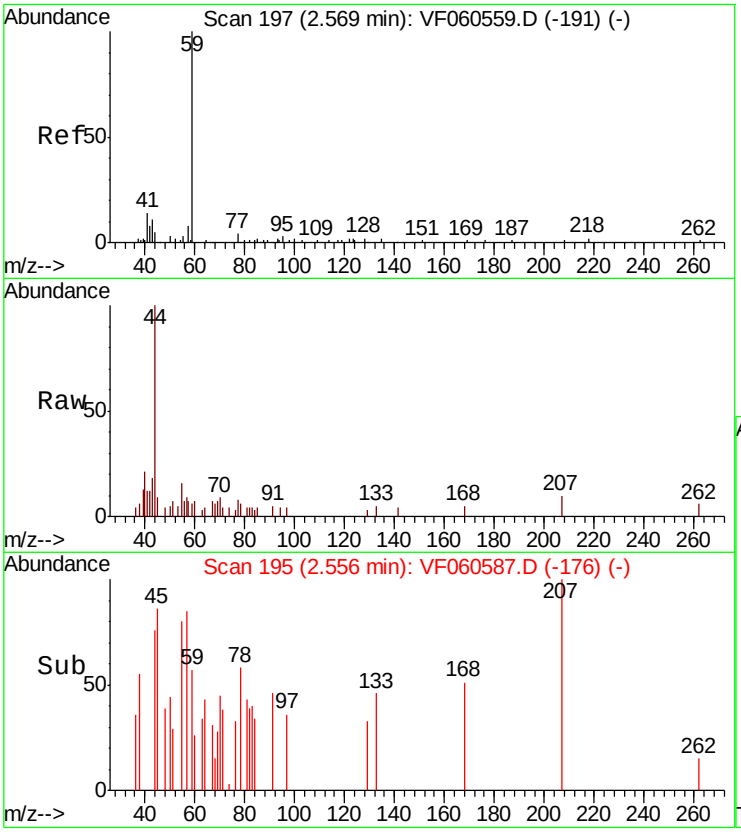


#6
Chloroethane
Concen: Below Cal
RT: 1.40 min Scan# 78
Delta R.T. 0.03 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 64 Resp: 105

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.8	41.8#



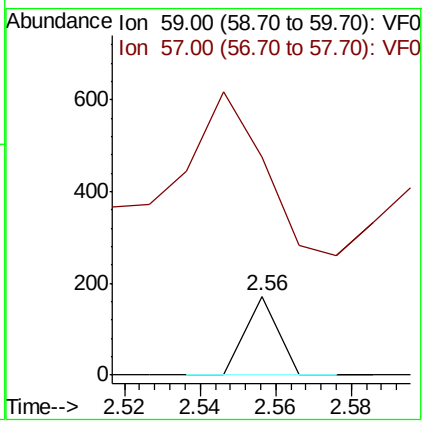


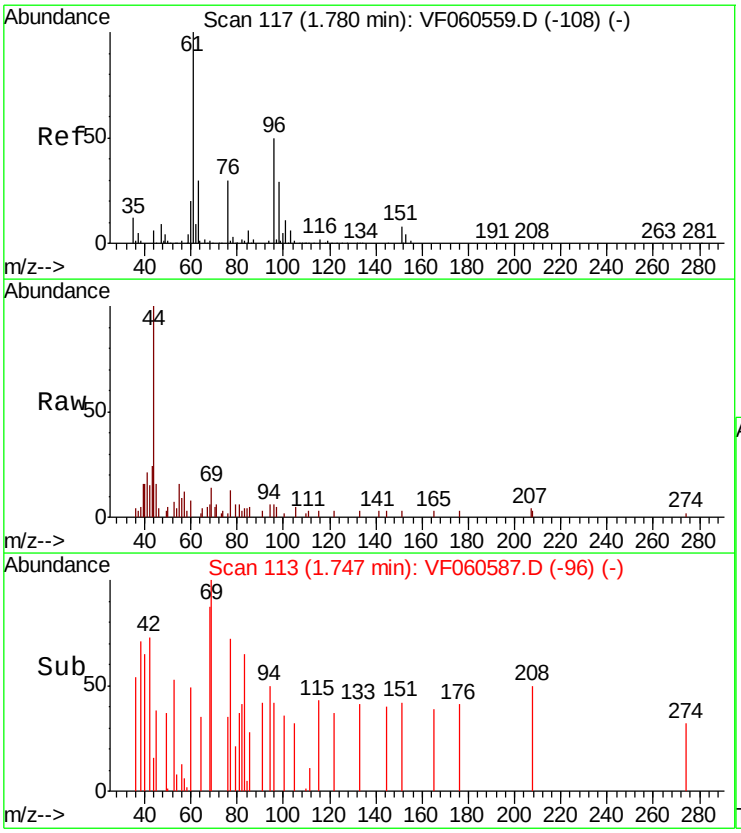
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.56 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 102

Ion	Ratio	Lower	Upper
59	100		
57	276.2	19.0	28.4#

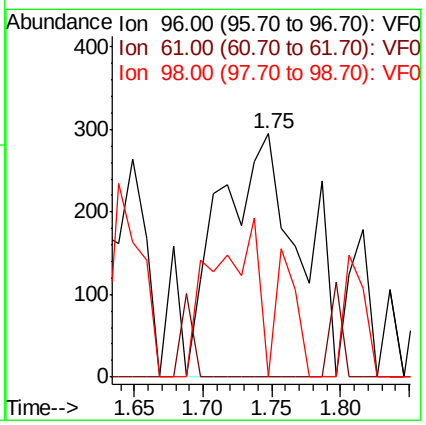


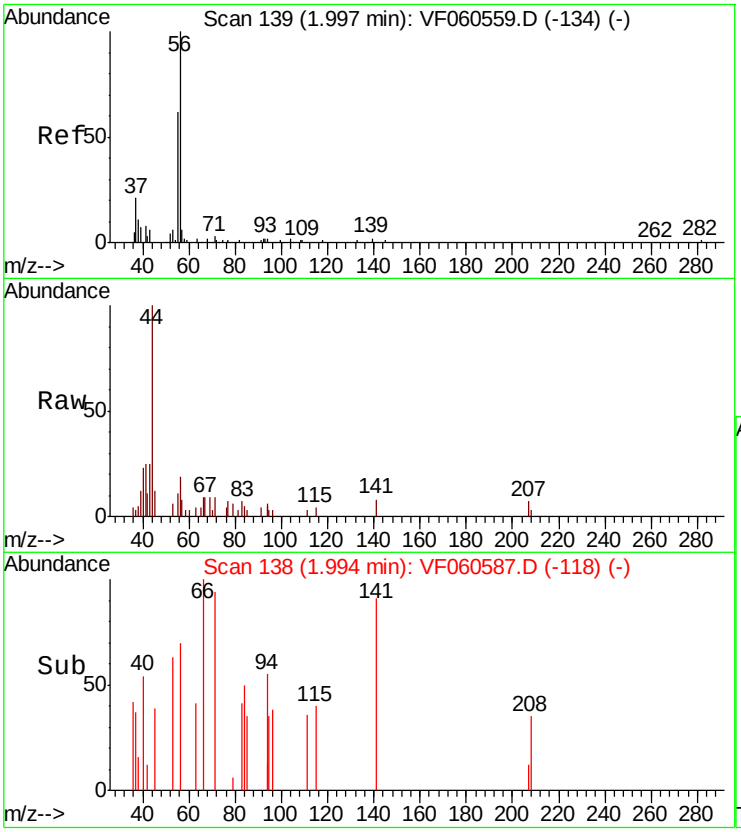


#12
1,1-Dichloroethene
Concen: 1.626 ug/l
RT: 1.75 min Scan# 113
Delta R.T. -0.03 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 96 Resp: 1187

Ion	Ratio	Lower	Upper
96	100		
61	0.0	158.1	237.1#
98	0.0	47.0	70.6#



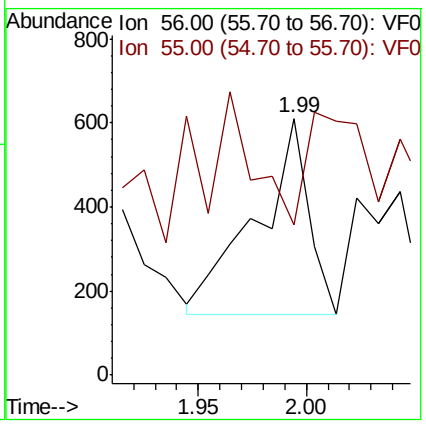


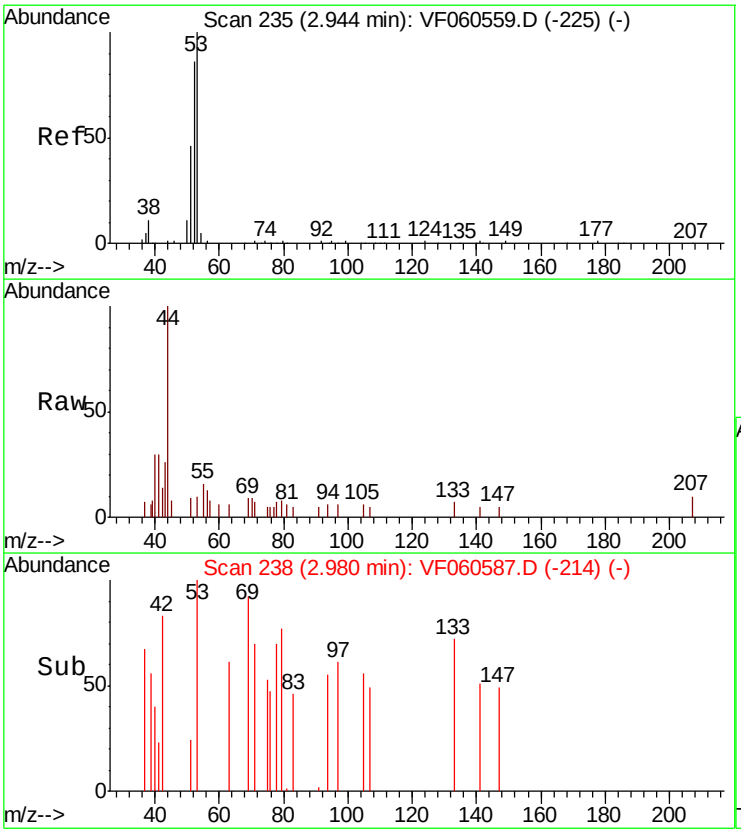
#13
Acrolein
Concen: Below Cal
RT: 1.99 min Scan# 138
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 785

Ion	Ratio	Lower	Upper
56	100		
55	58.8	61.8	92.6#

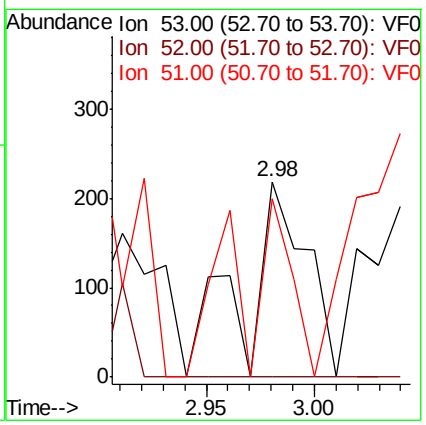


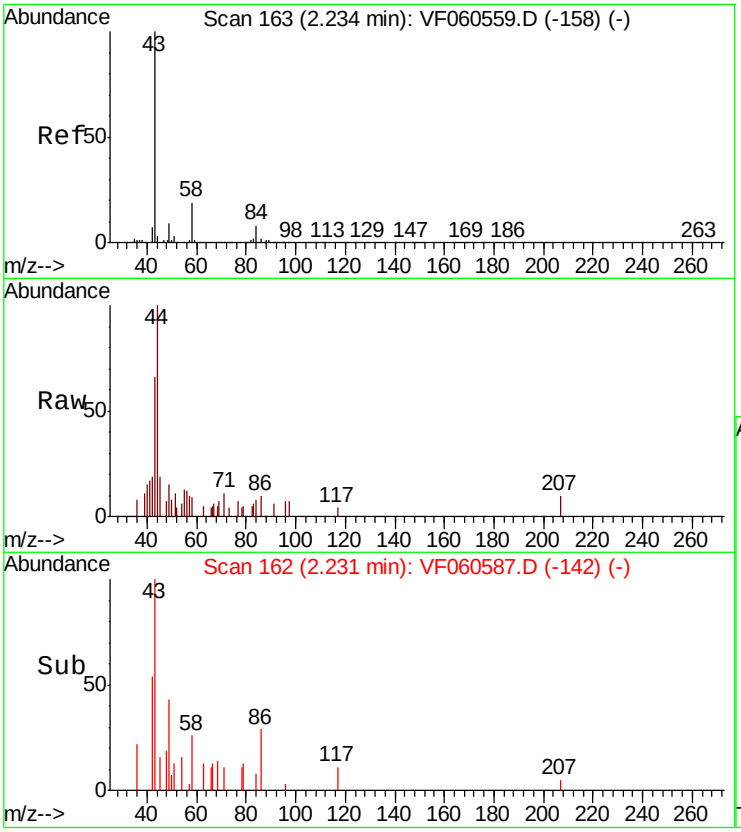


#15
Acrylonitrile
Concen: 3.562 ug/l
RT: 2.98 min Scan# 238
Delta R.T. 0.04 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 53 Resp: 431

Ion	Ratio	Lower	Upper
53	100		
52	0.0	68.5	102.7#
51	91.3	38.2	57.2#



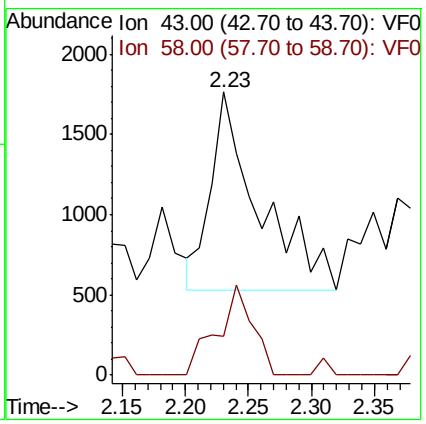


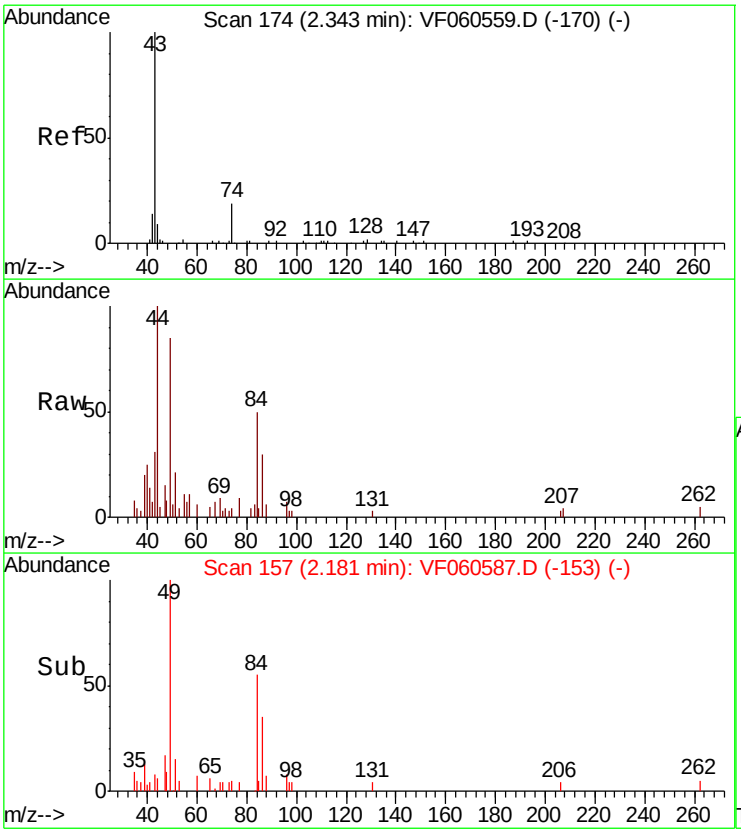
#16
Acetone
Concen: 13.937 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 3334

Ion	Ratio	Lower	Upper
43	100		
58	13.8	14.6	22.0#

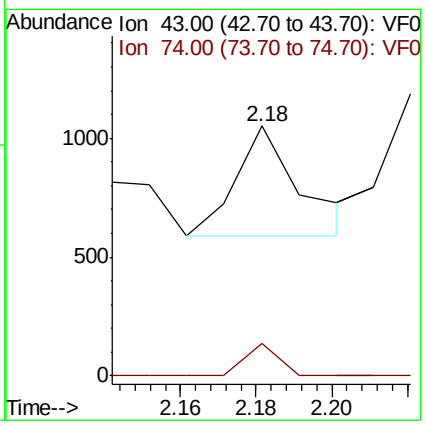


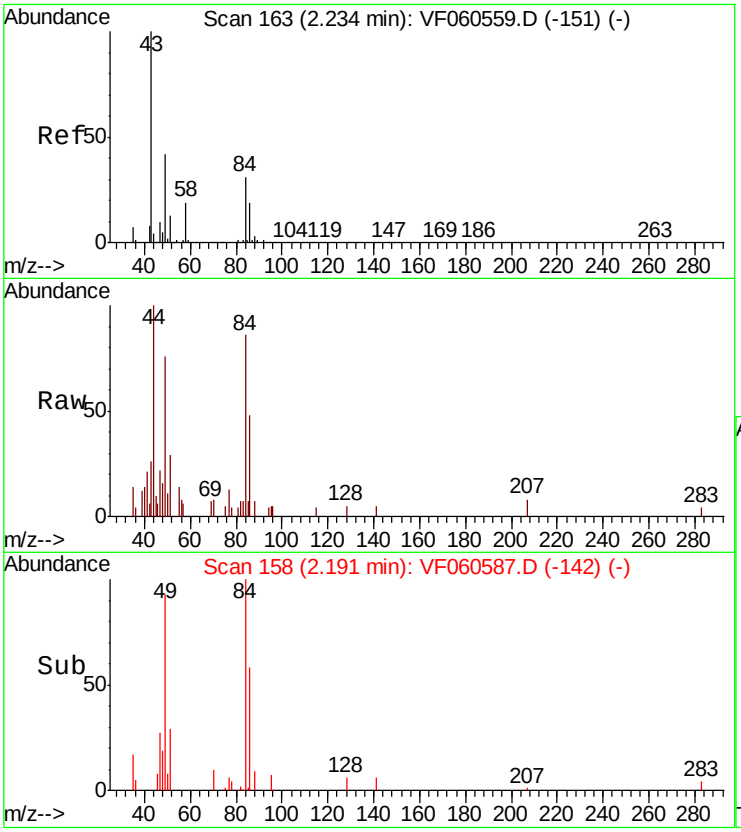


#18
Methyl Acetate
Concen: 1.908 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.16 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 43 Resp: 536

Ion	Ratio	Lower	Upper
43	100		
74	13.1	12.1	18.1



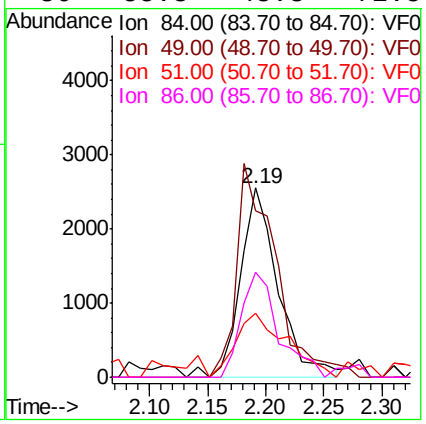


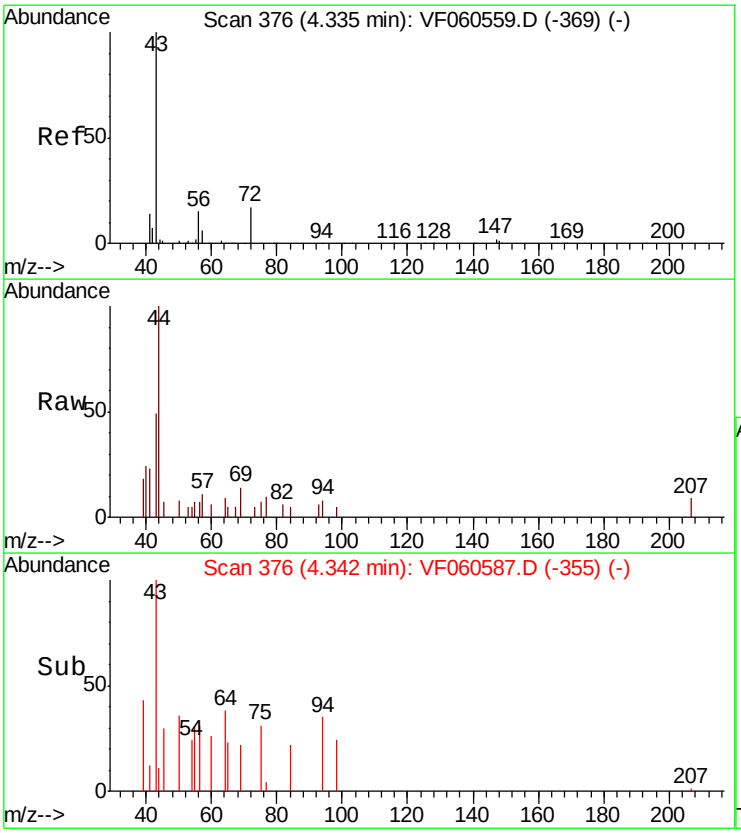
#20
Methylene Chloride
Concen: 2.921 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.04 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 5721

Ion	Ratio	Lower	Upper
84	100		
49	87.8	109.9	164.9#
51	33.8	35.8	53.8#
86	55.3	48.3	72.5

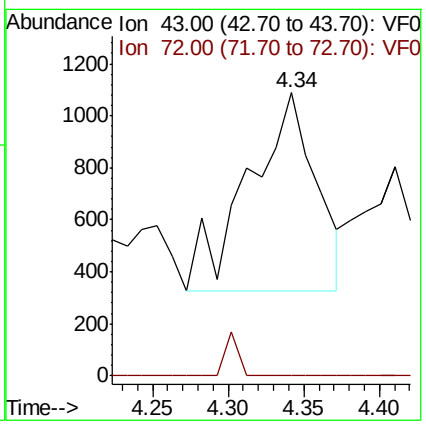


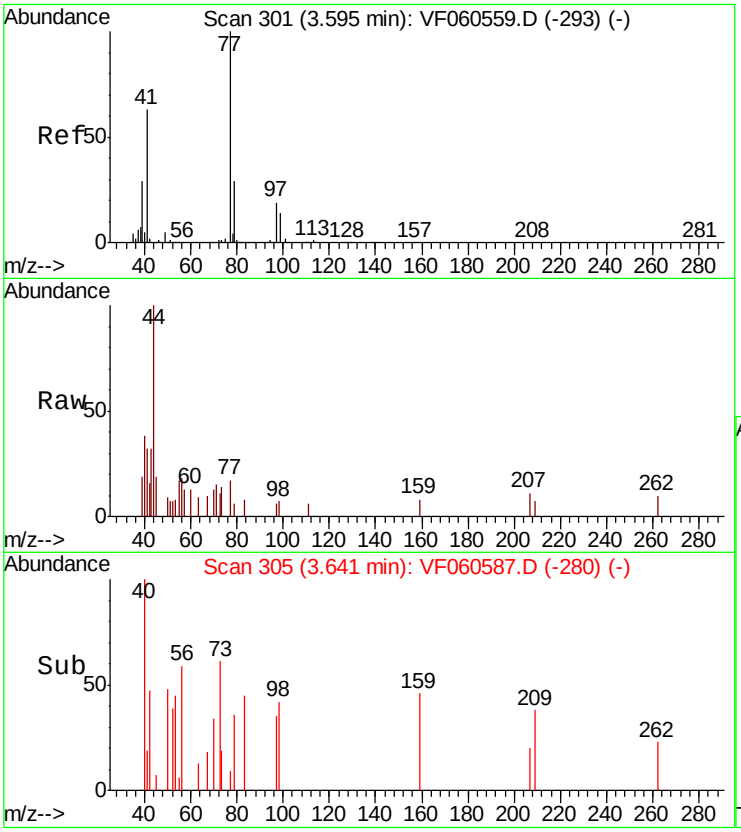


#25
2-Butanone
Concen: Below Cal
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 43 Resp: 2388

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#



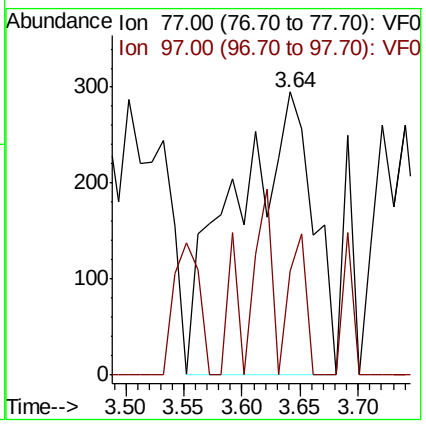


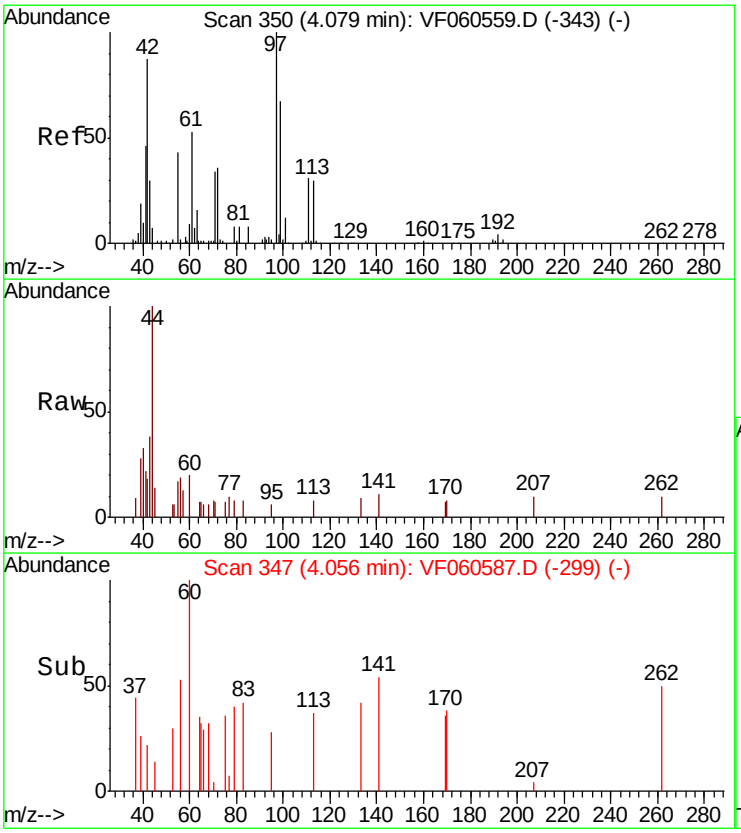
#26
2,2-Dichloropropane
Concen: 1.261 ug/l
RT: 3.64 min Scan# 305
Delta R.T. 0.05 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 77 Resp: 1379

Ion	Ratio	Lower	Upper
77	100		
97	36.9	9.8	29.3#

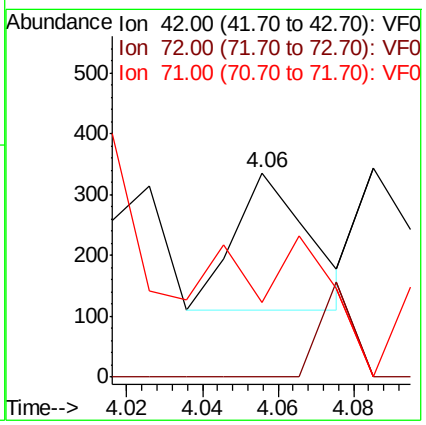


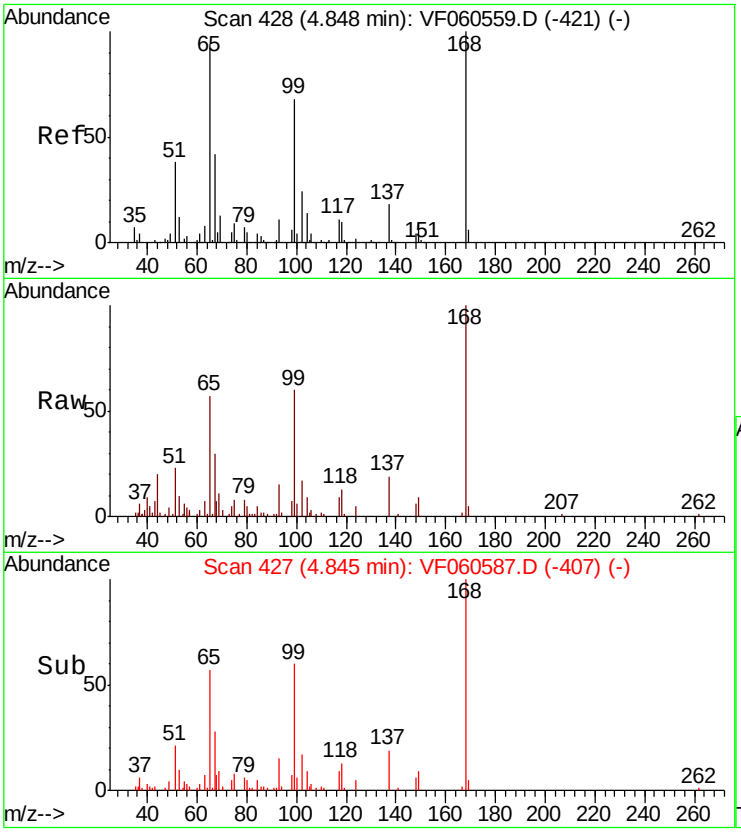


#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.06 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 42 Resp: 308

Ion	Ratio	Lower	Upper
42	100		
72	29.9	31.4	47.0#
71	137.7	31.8	47.6#



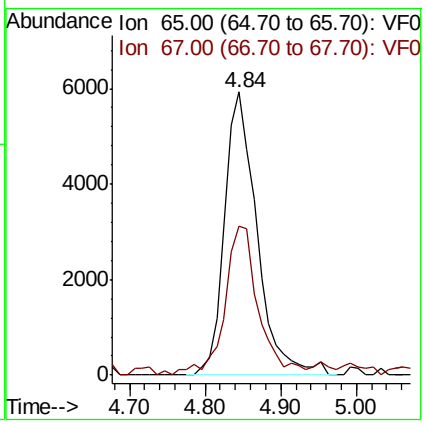


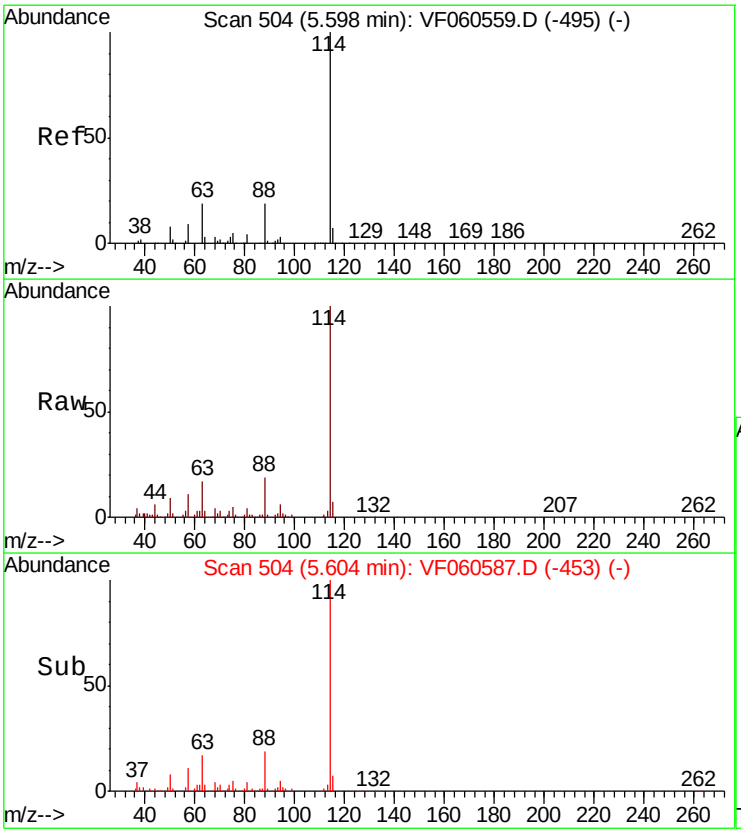
#33
1,2-Dichloroethane-d4
Concen: 17.275 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 17537

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	101.8

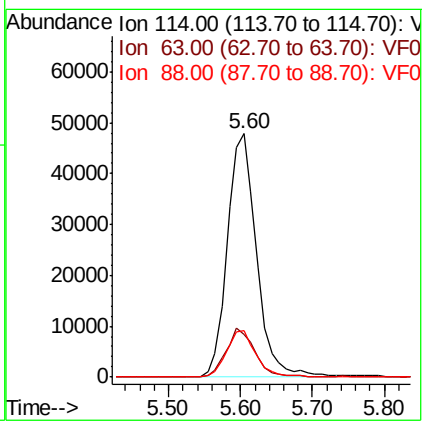


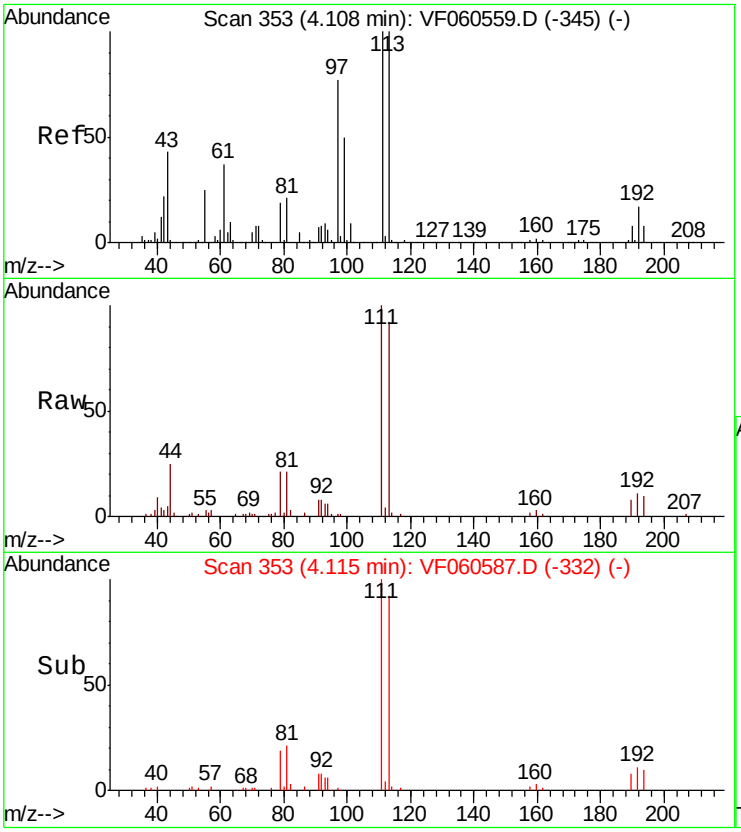


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion:114 Resp: 135139

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	39.0
88	18.9	0.0	38.2



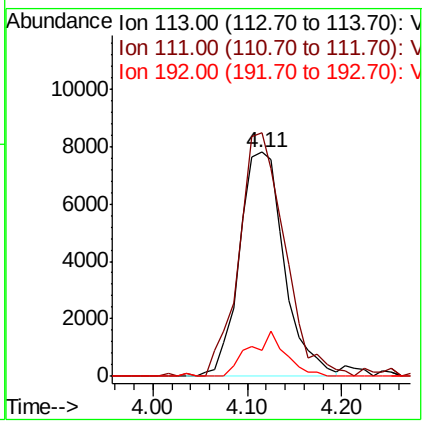


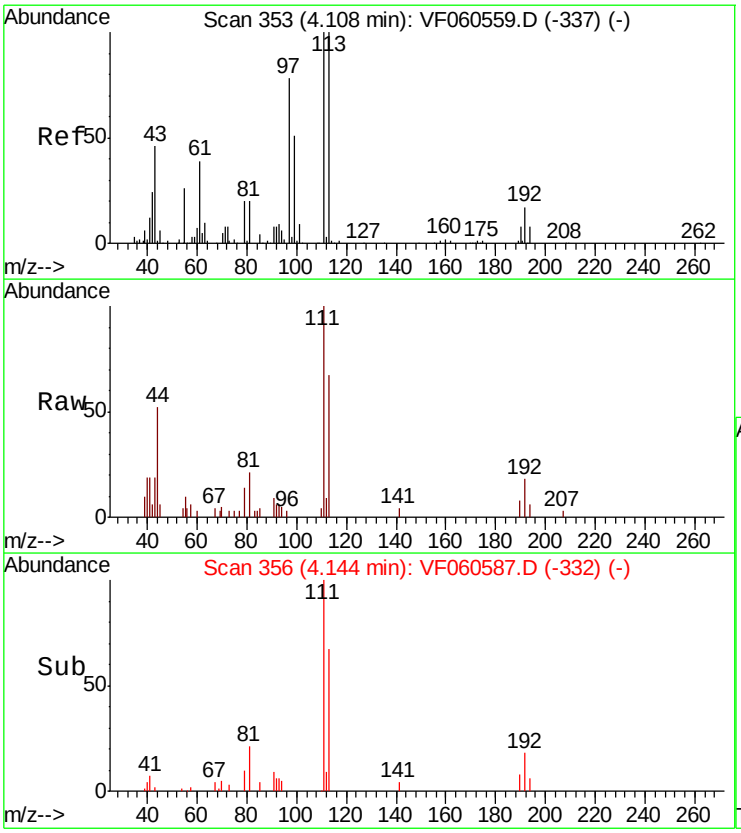
#35
Dibromofluoromethane
Concen: 24.583 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 25667

Ion	Ratio	Lower	Upper
113	100		
111	108.6	79.9	119.9
192	11.9	13.3	19.9#

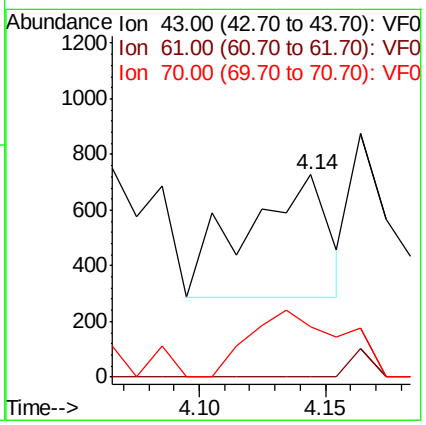


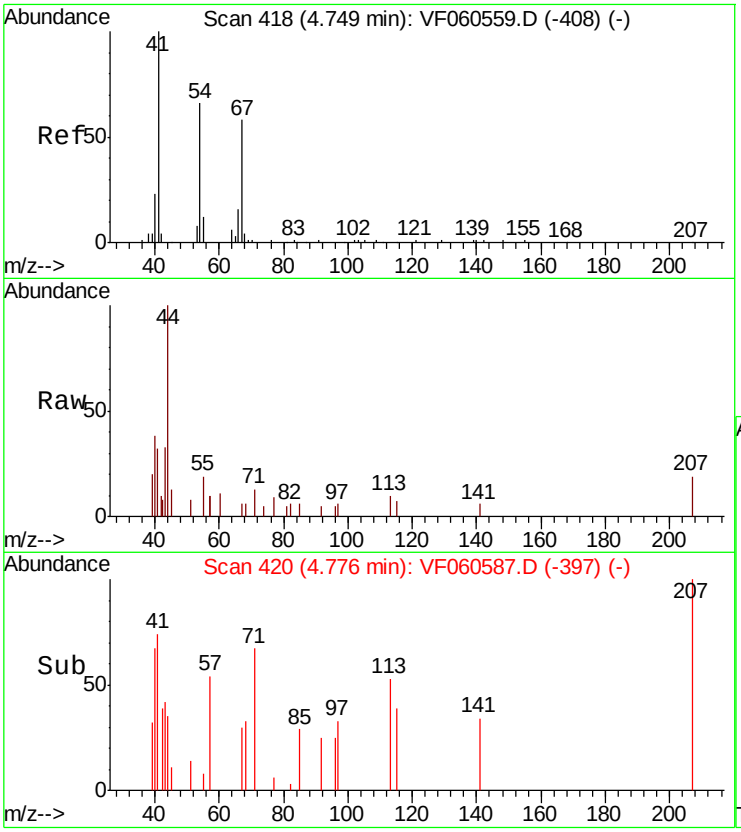


#37
Ethyl Acetate
Concen: 1.389 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.04 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 43 Resp: 992

Ion	Ratio	Lower	Upper
43	100		
61	0.0	63.4	95.2#
70	25.2	9.3	13.9#



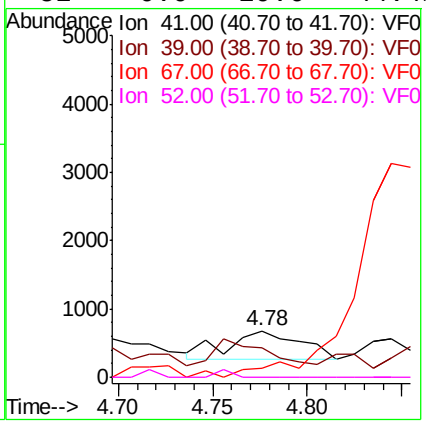


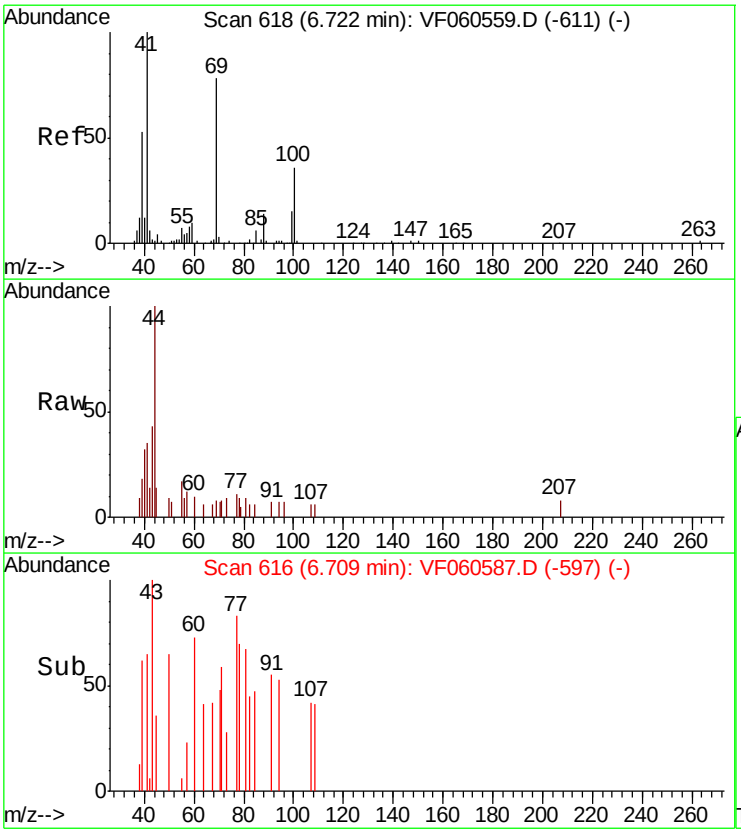
#41
Methacrylonitrile
Concen: 2.749 ug/l
RT: 4.78 min Scan# 420
Delta R.T. 0.03 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 41 Resp: 1112

Ion	Ratio	Lower	Upper
41	100		
39	63.8	45.6	68.4
67	18.2	45.3	67.9#
52	0.0	29.6	44.4#

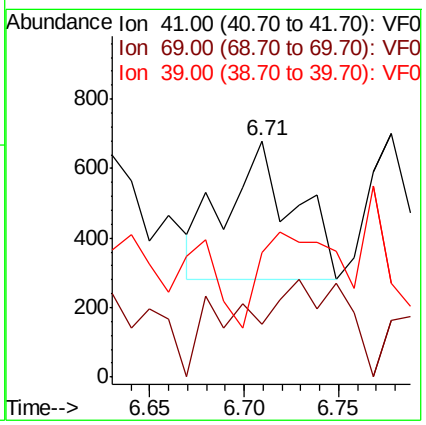


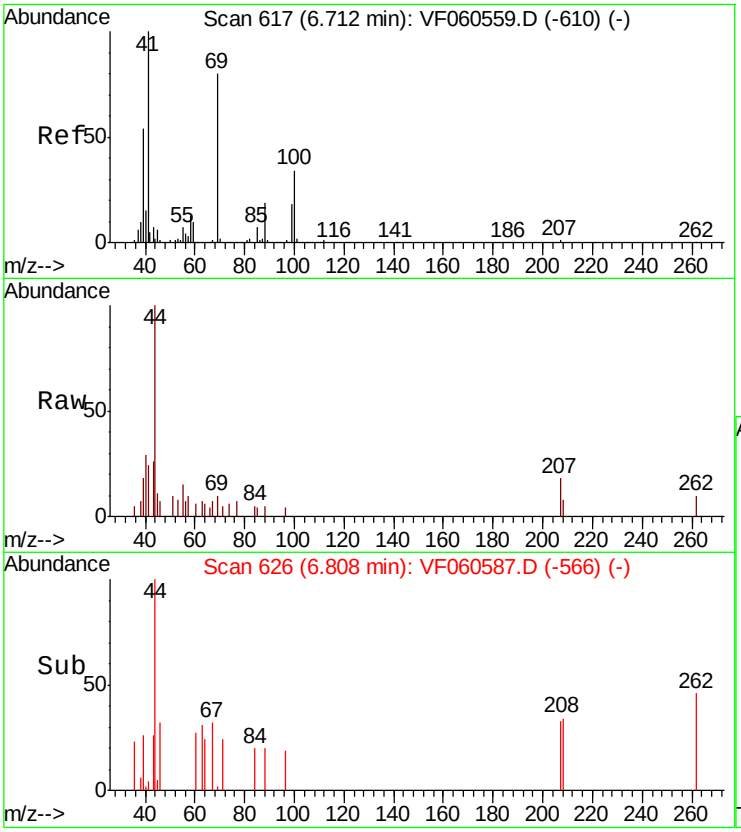


#48
Methyl methacrylate
Concen: 1.747 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 41 Resp: 992

Ion	Ratio	Lower	Upper
41	100		
69	22.5	61.1	91.7#
39	52.9	43.0	64.6



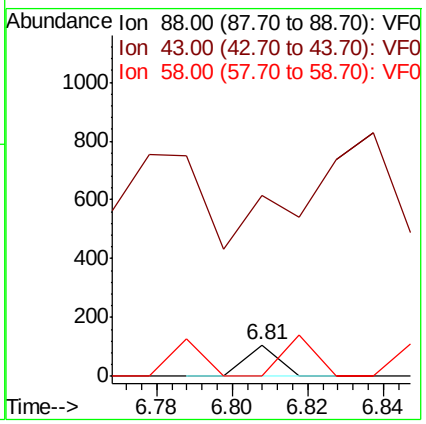


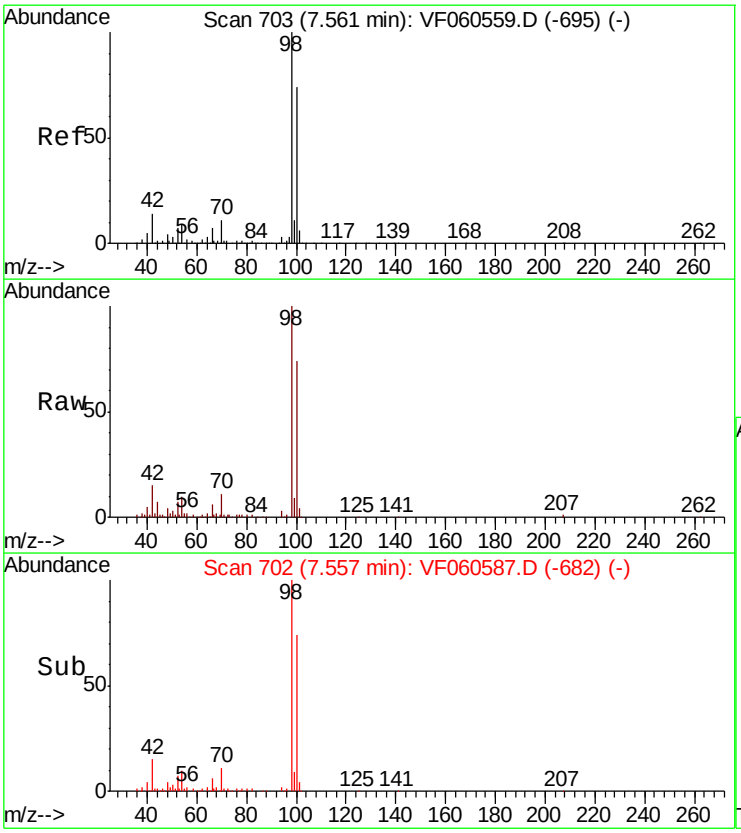
#49
1,4-Dioxane
Concen: 10.606 ug/l
RT: 6.81 min Scan# 626
Delta R.T. 0.10 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	574.8	61.2	91.8#
58	0.0	56.9	85.3#

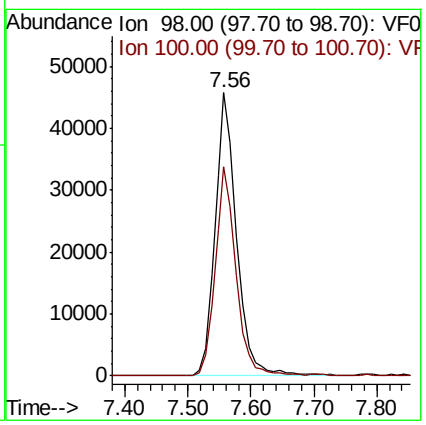


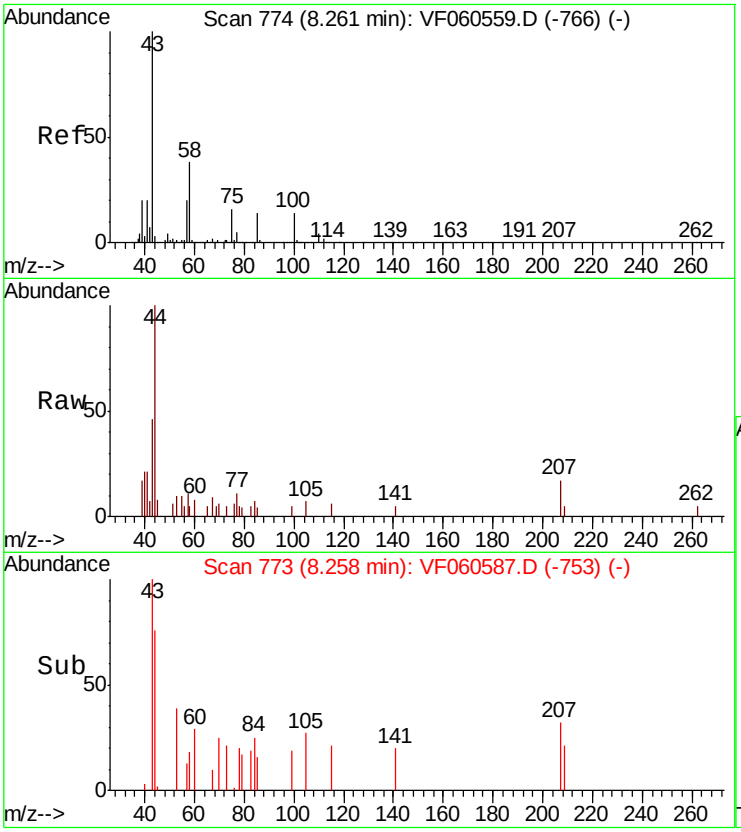


#50
Toluene-d8
Concen: 35.435 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 98 Resp: 109597

Ion	Ratio	Lower	Upper
98	100		
100	73.7	59.4	89.2



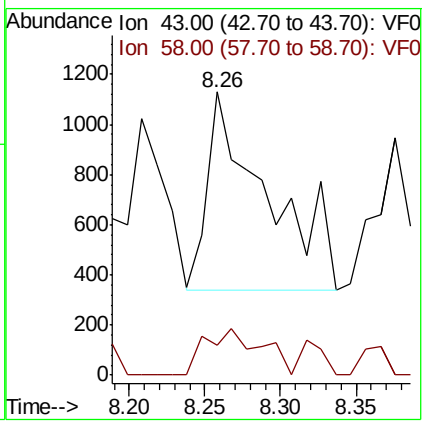


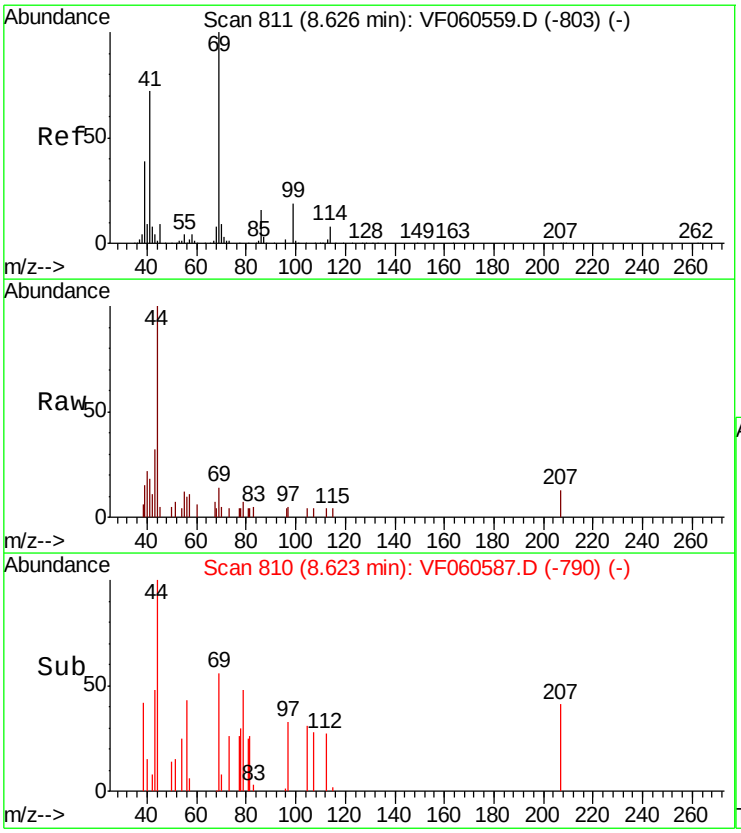
#51
4-Methyl-2-Pentanone
Concen: 3.539 ug/l
RT: 8.26 min Scan# 773
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2150

Ion	Ratio	Lower	Upper
43	100		
58	10.4	30.1	45.1#

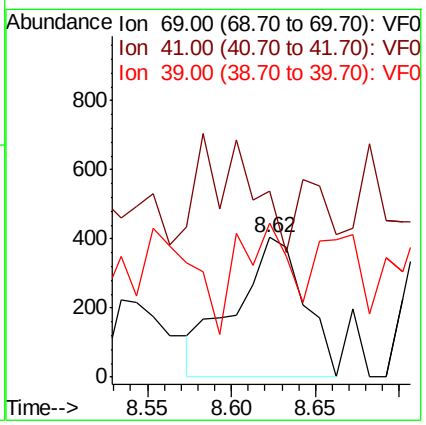


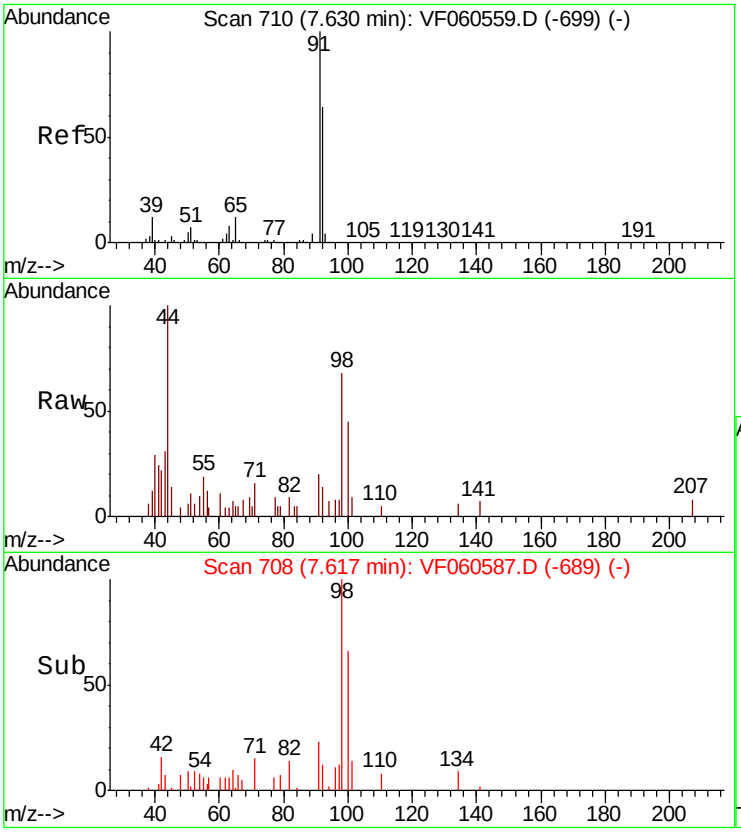


#56
Ethyl methacrylate
Concen: 1.310 ug/l
RT: 8.62 min Scan# 810
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 69 Resp: 1154

Ion	Ratio	Lower	Upper
69	100		
41	132.9	59.2	88.8#
39	110.4	32.3	48.5#



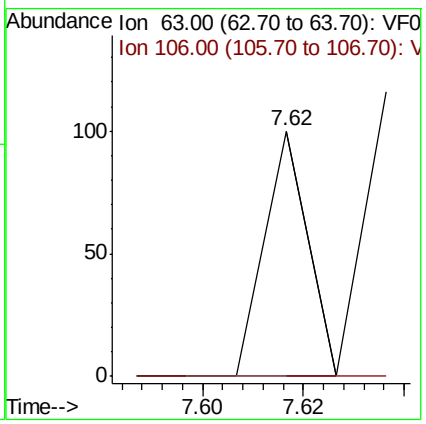


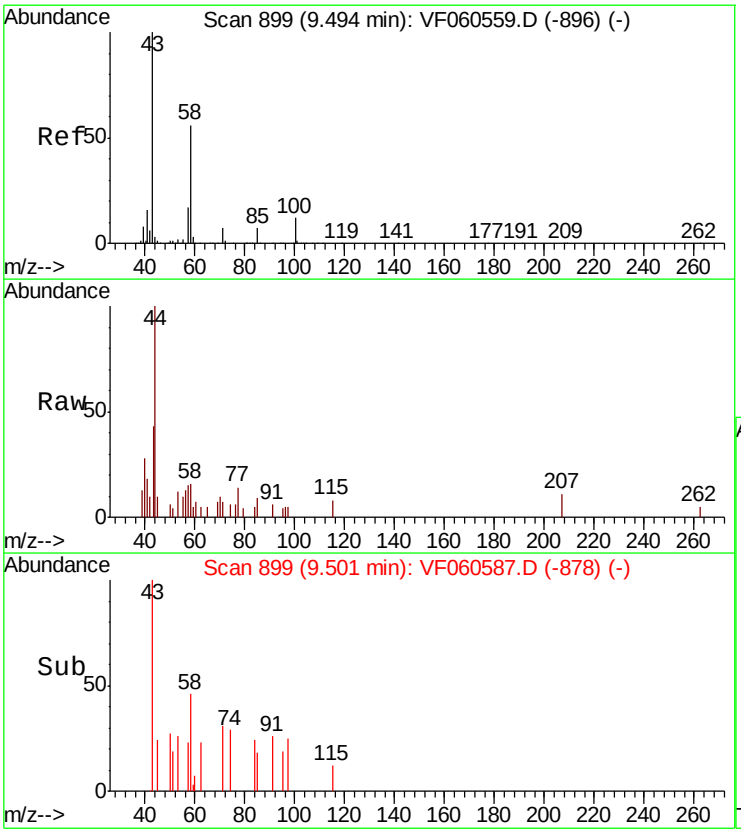
#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 7.62 min Scan# 708
Delta R.T. -0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 63 Resp: 59

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

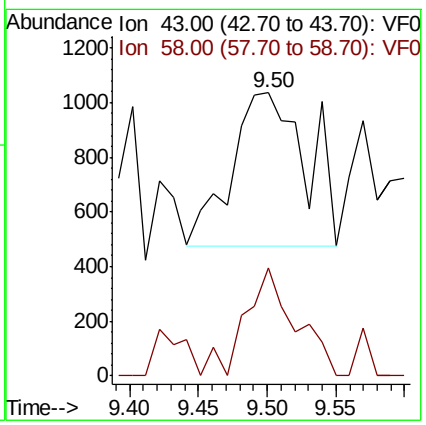


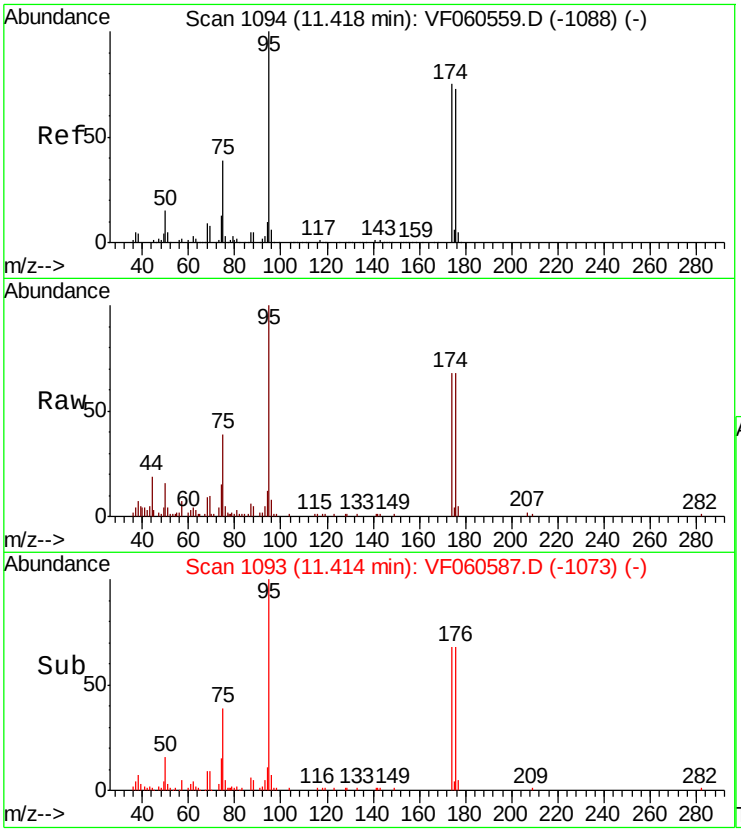


#59
2-Hexanone
Concen: Below Cal
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 43 Resp: 2141

Ion	Ratio	Lower	Upper
43	100		
58	38.1	26.1	78.3



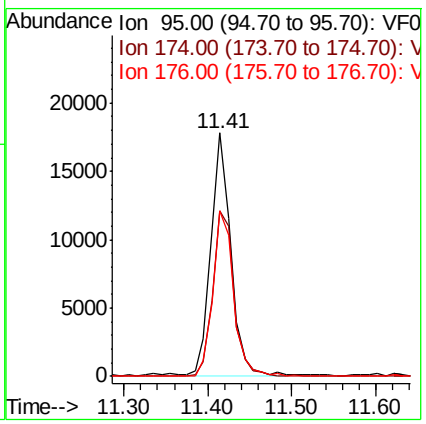


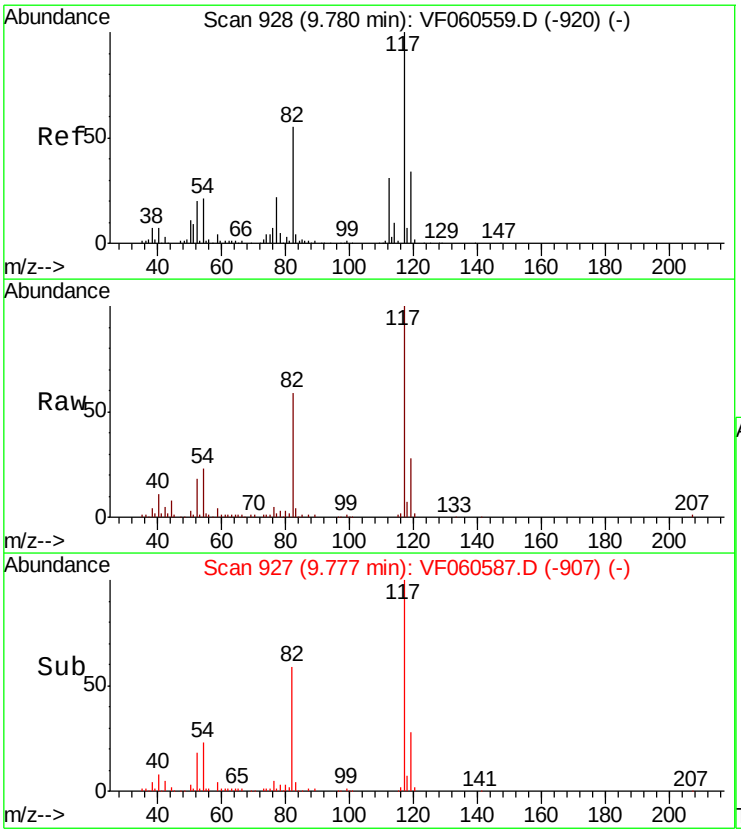
#62
4-Bromofluorobenzene
Concen: 22.144 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 29958

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	149.0
176	68.1	0.0	145.6

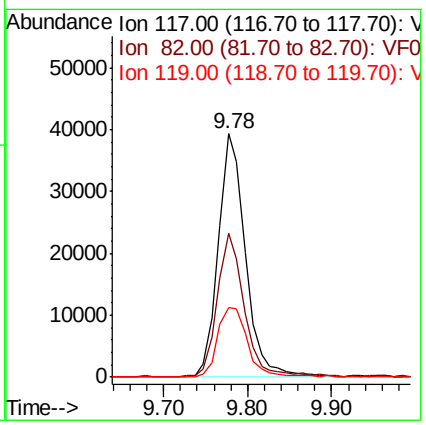


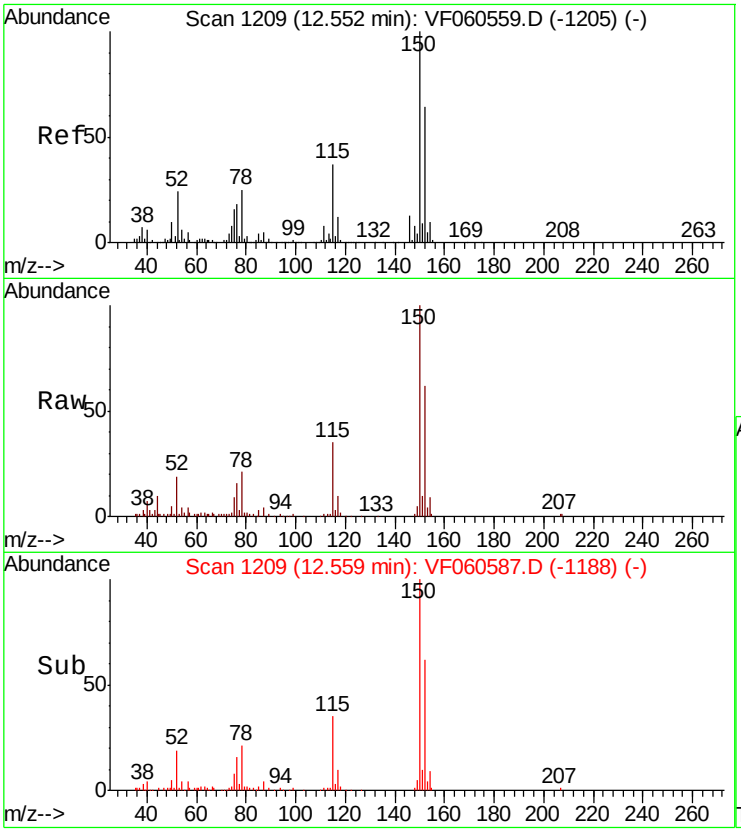


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion:117 Resp: 88501

Ion	Ratio	Lower	Upper
117	100		
82	59.0	43.9	65.9
119	28.4	27.4	41.0



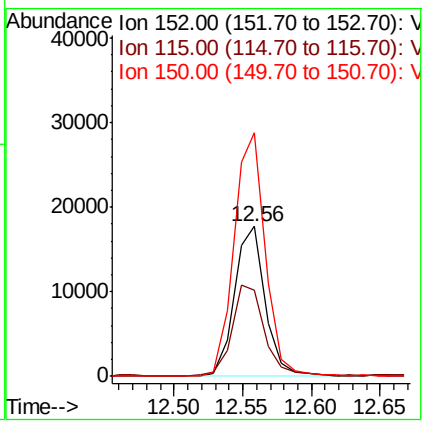


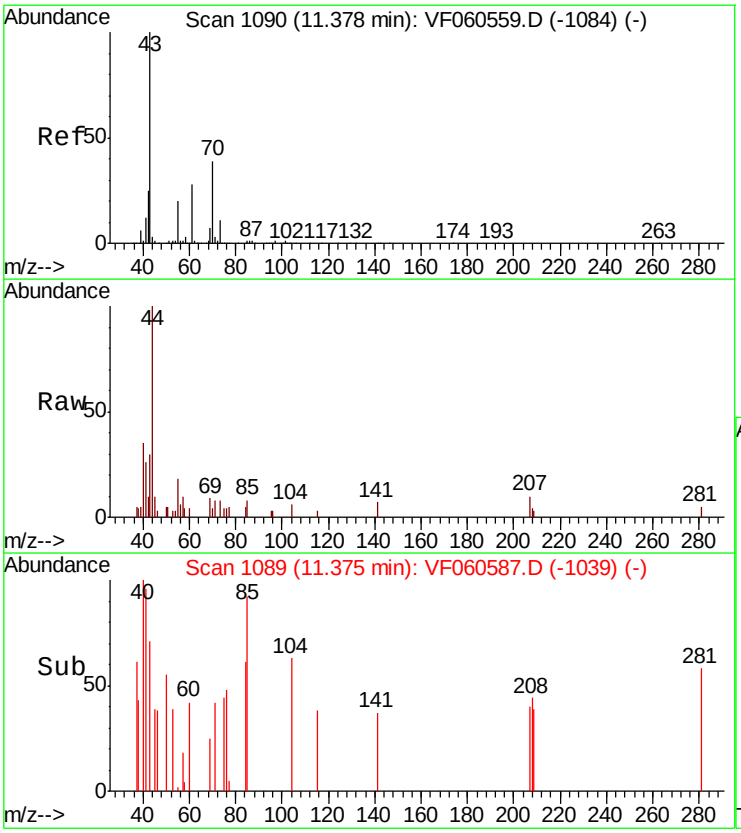
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 27549

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.6	88.8
150	162.2	0.0	315.6

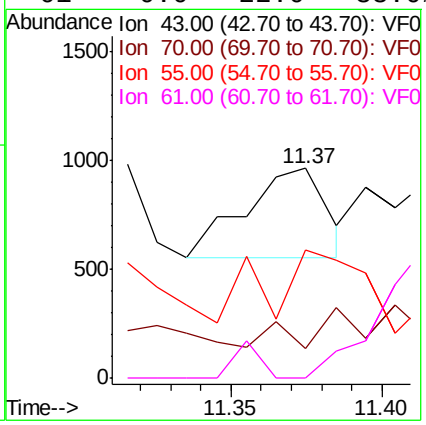


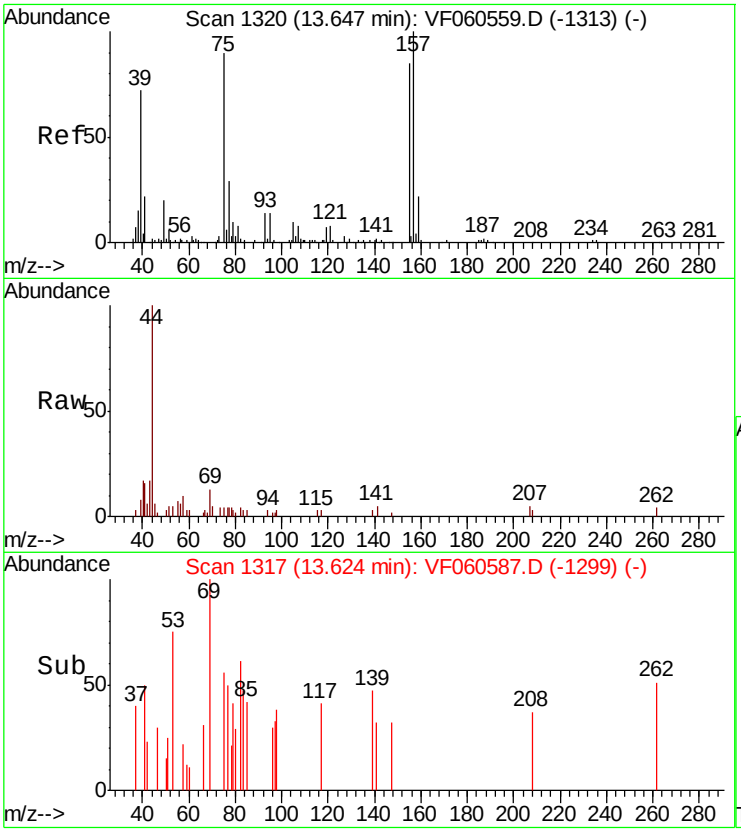


#74
N-amyl acetate
Concen: Below Cal
RT: 11.37 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Tgt Ion: 43 Resp: 775

Ion	Ratio	Lower	Upper
43	100		
70	13.9	30.9	46.3#
55	60.9	16.6	24.8#
61	0.0	22.0	33.0#





#92
1,2-Dibromo-3-Chloropropane
Concen: 2.789 ug/l
RT: 13.62 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VF060587.D
Acq: 5 Nov 2018 22:35

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 190

Ion	Ratio	Lower	Upper
75	100		
155	0.0	47.3	141.8#
157	0.0	55.3	165.9#