Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
Data File : VF061485.D
Acq On : 23 Jan 2019 16:17
Operator : VA/AP
Sample : K1223-03
Misc : 5.46g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : TS-O

Quant Time: Jan 24 02:55:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	27065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	38797	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	22162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	4994	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	9369	28.04	ug/l	0.02
Spiked Amount 50.000			Recovery = 56.08%			
35) Dibromofluoromethane	4.10	113	12541	40.96	ug/l	0.00
Spiked Amount 50.000			Recovery = 81.92%			
50) Toluene-d8	7.55	98	33401	39.82	ug/l	0.00
Spiked Amount 50.000			Recovery = 79.64%			
62) 4-Bromofluorobenzene	11.41	95	8219	20.97	ug/l	0.00
Spiked Amount 50.000			Recovery = 41.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	533	1.002	ug/l #	38
5) Bromomethane	1.32	94	368	1.627	ug/l #	2
8) Diethyl Ether	1.68	74	87	1.007	ug/l	67
11) Tert butyl alcohol	2.58	59	77	5.444	ug/l #	64
13) Acrolein	1.86	56	353	38.114	ug/l	88
14) Allyl chloride	2.10	41	508	Below Cal #		44
15) Acrylonitrile	2.93	53	231	6.376	ug/l #	14
16) Acetone	2.24	43	3627	54.106	ug/l #	86
18) Methyl Acetate	2.32	43	327	2.460	ug/l #	61
20) Methylene Chloride	2.20	84	977	2.629	ug/l #	41
23) Vinyl Acetate	3.20	43	107	3.474	ug/l #	78
25) 2-Butanone	4.35	43	8053	72.240	ug/l	96
29) Tetrahydrofuran	4.06	42	145	3.021	ug/l #	38
37) Ethyl Acetate	4.07	43	273	1.518	ug/l #	5
41) Methacrylonitrile	4.69	41	389	4.066	ug/l #	1
43) Isopropyl Acetate	6.96	43	412	1.826	ug/l #	51
49) 1,4-Dioxane	6.61	88	62	Below Cal #		13
51) 4-Methyl-2-Pentanone	8.26	43	372	2.242	ug/l #	39
58) 2-Chloroethyl Vinyl ether	7.31	63	66	30.090	ug/l #	47
59) 2-Hexanone	9.44	43	269	2.325	ug/l	78
74) N-amyl acetate	11.39	43	325	3.384	ug/l #	54
76) 1,2,3-Trichloropropane	11.75	75	63	1.212	ug/l #	42
78) n-propylbenzene	11.60	91	477	1.080	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.81	105	355	1.083	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.75	75	63	2.787	ug/l #	19
84) 1,2,4-Trimethylbenzene	12.21	105	485	1.436	ug/l	77
86) p-Isopropyltoluene	12.45	119	1617	4.275	ug/l	83
87) 1,3-Dichlorobenzene	12.55	146	159	1.235	ug/l #	36
91) 1,2-Dichlorobenzene	12.94	146	175	1.091	ug/l #	40

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
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Sample : K1223-03
Misc : 5.46g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Quant Time: Jan 24 02:55:33 2019
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
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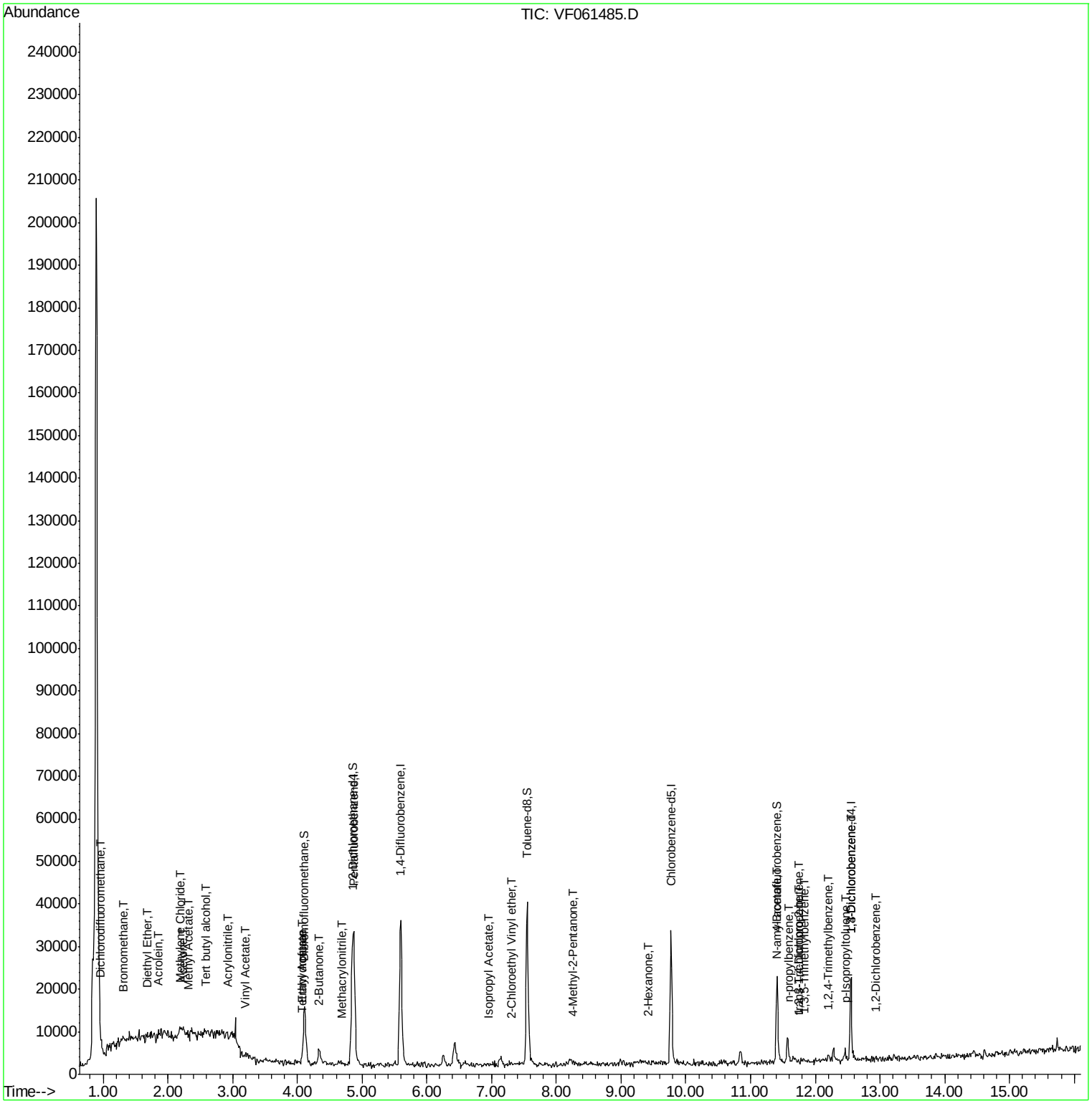
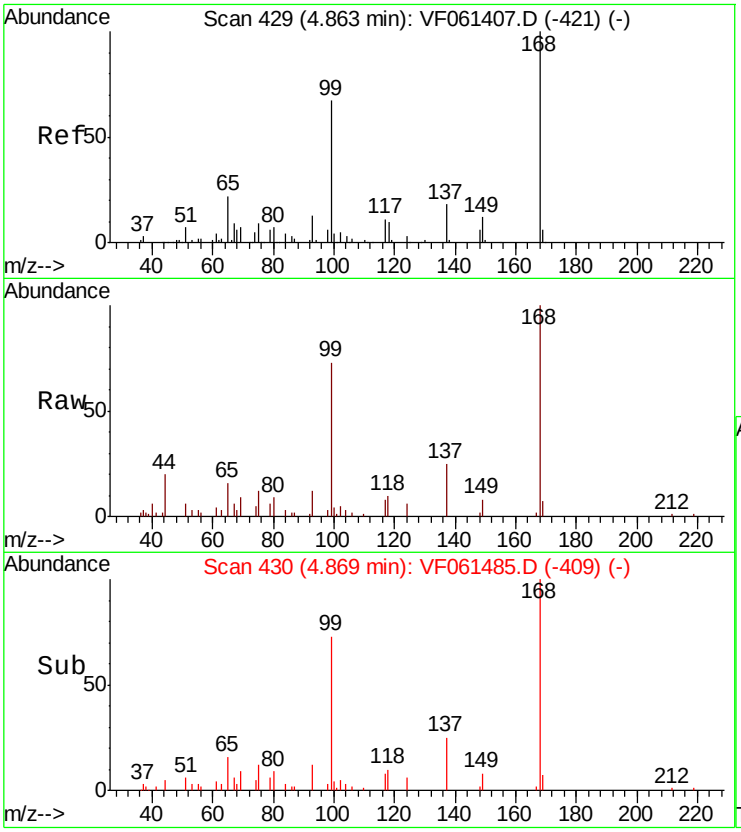


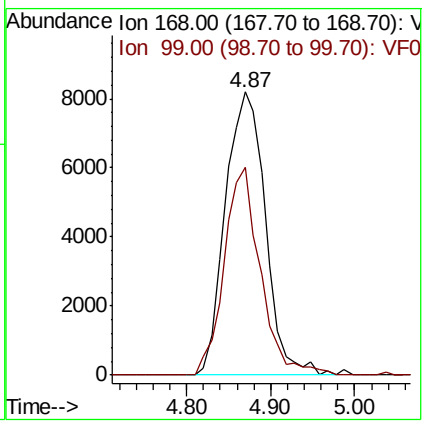


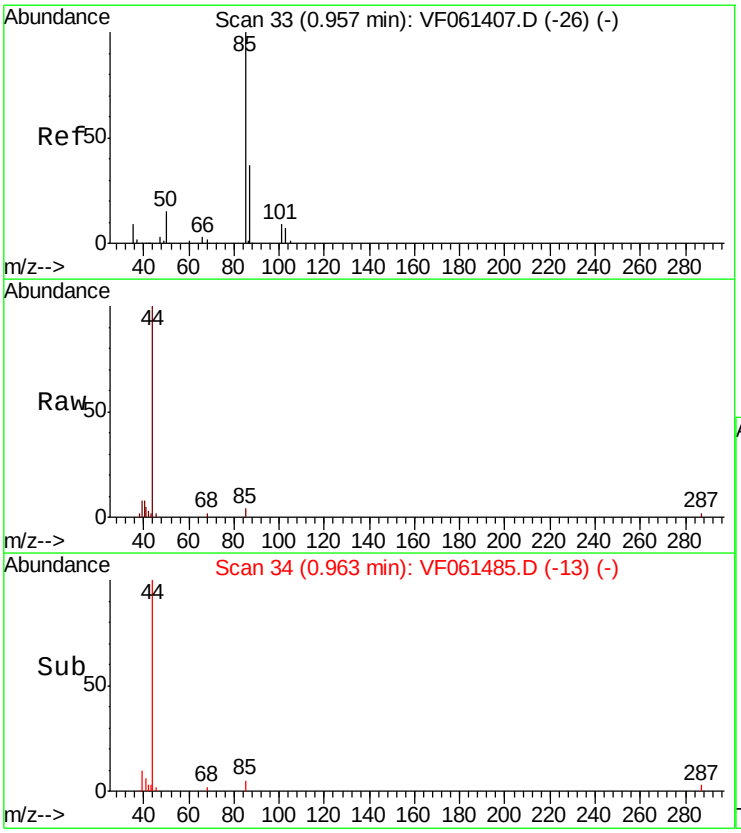
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion:168 Resp: 27065

Ion	Ratio	Lower	Upper
168	100		
99	73.3	53.5	80.3

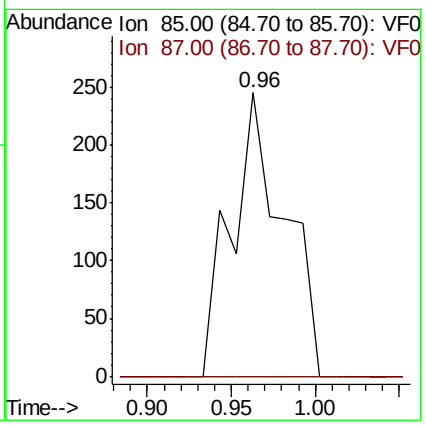


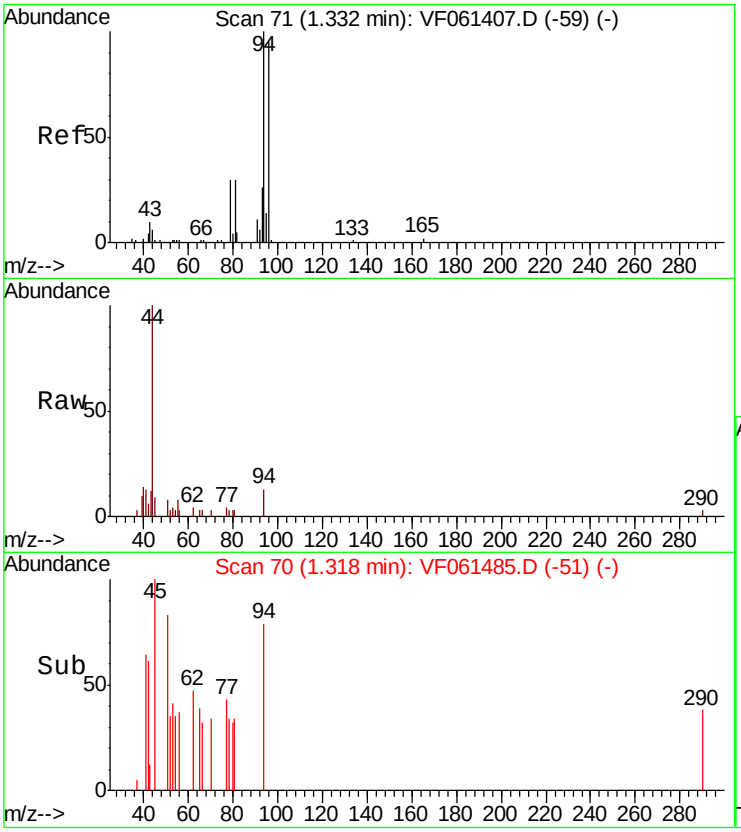


#2
Dichlorodifluoromethane
Concen: 1.002 ug/l
RT: 0.96 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 85 Resp: 533

Ion	Ratio	Lower	Upper
85	100		
87	0.0	18.4	55.0#



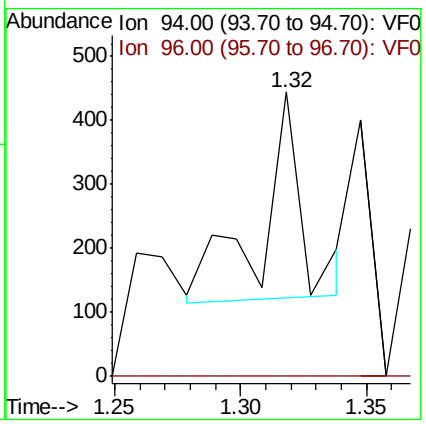


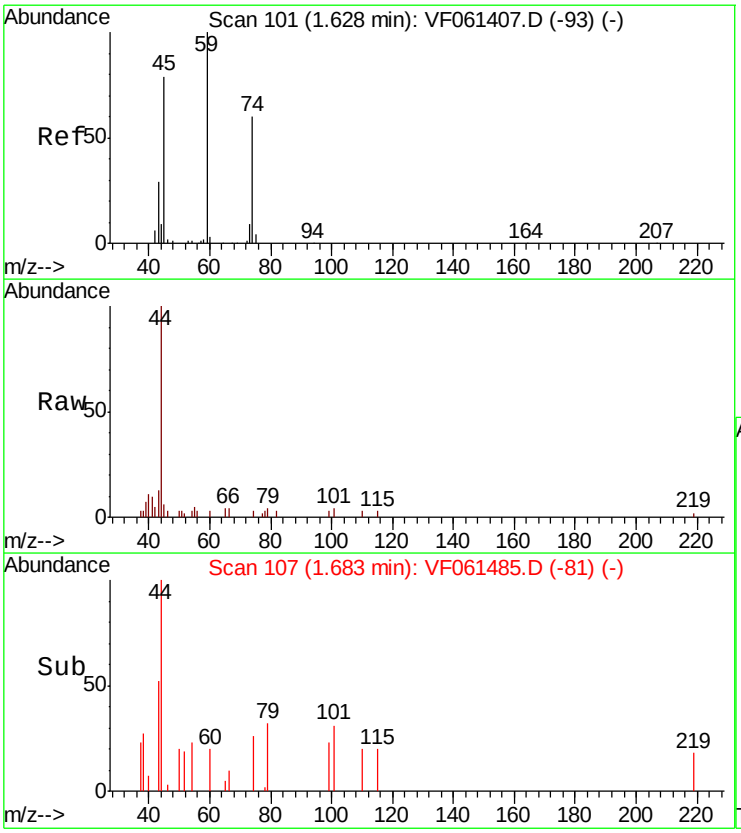
#5
Bromomethane
Concen: 1.627 ug/l
RT: 1.32 min Scan# 70
Delta R.T. -0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion: 94 Resp: 368

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.0	114.0#

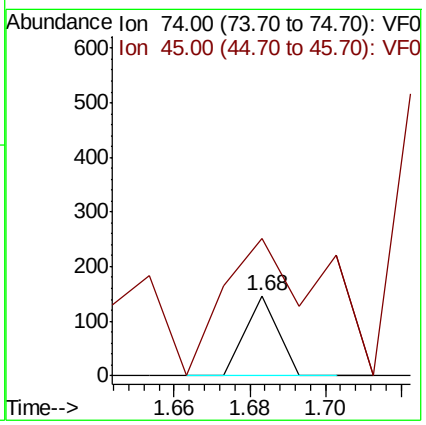


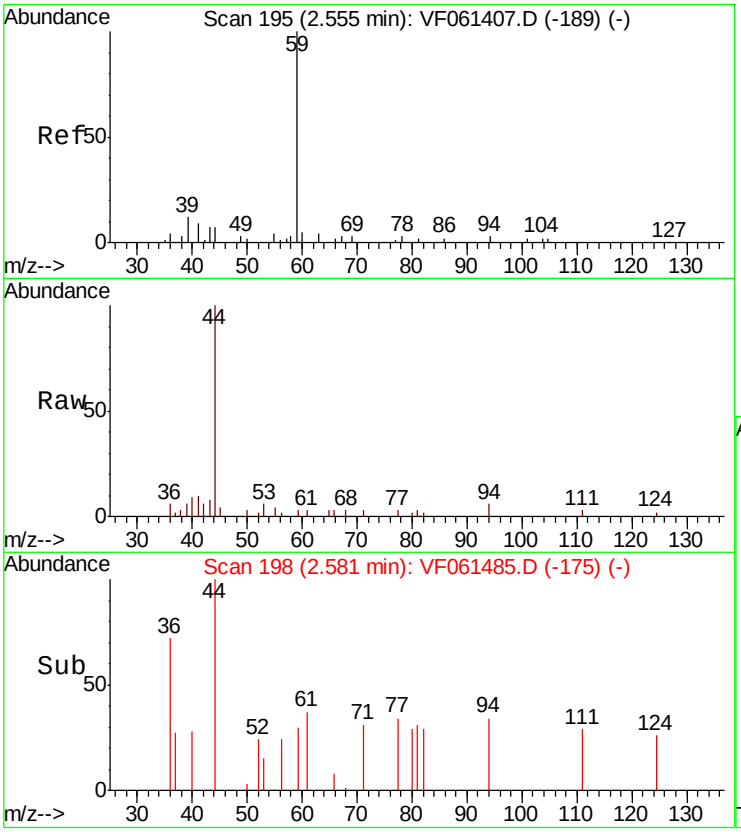


#8
Diethyl Ether
Concen: 1.007 ug/l
RT: 1.68 min Scan# 107
Delta R.T. 0.06 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 74 Resp: 87

Ion	Ratio	Lower	Upper
74	100		
45	170.7	65.8	197.5



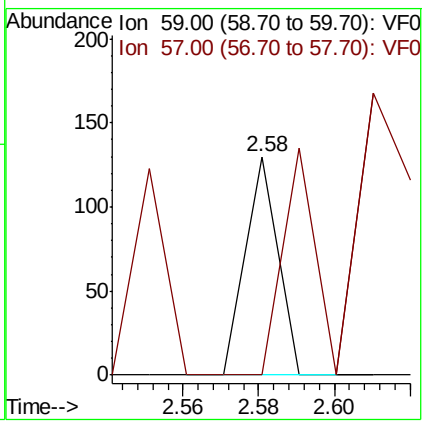


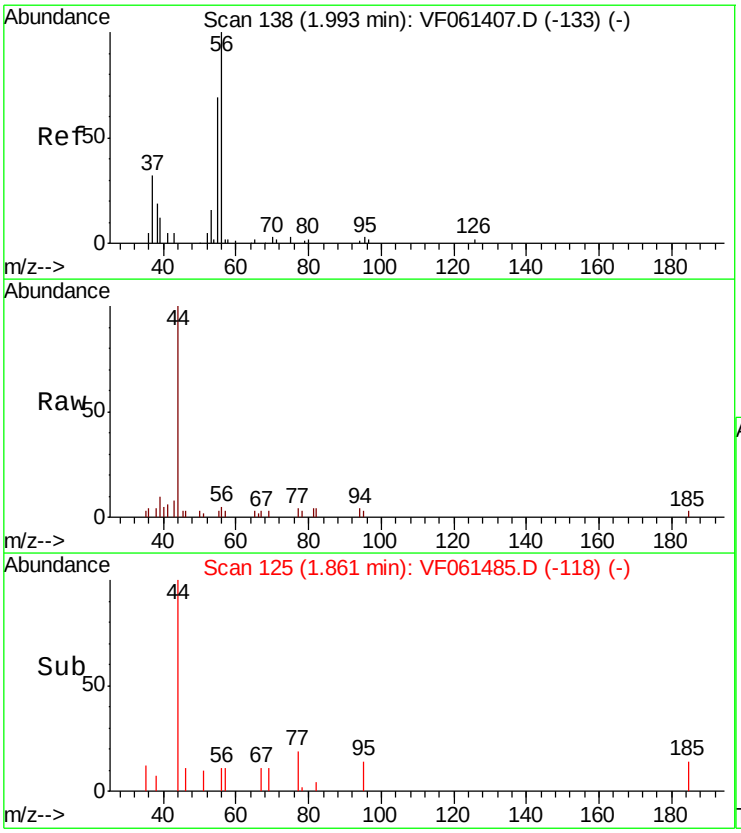
#11
Tert butyl alcohol
Concen: 5.444 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 59 Resp: 77

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.9	17.9#

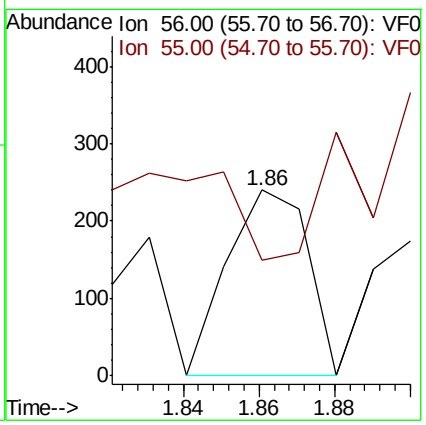


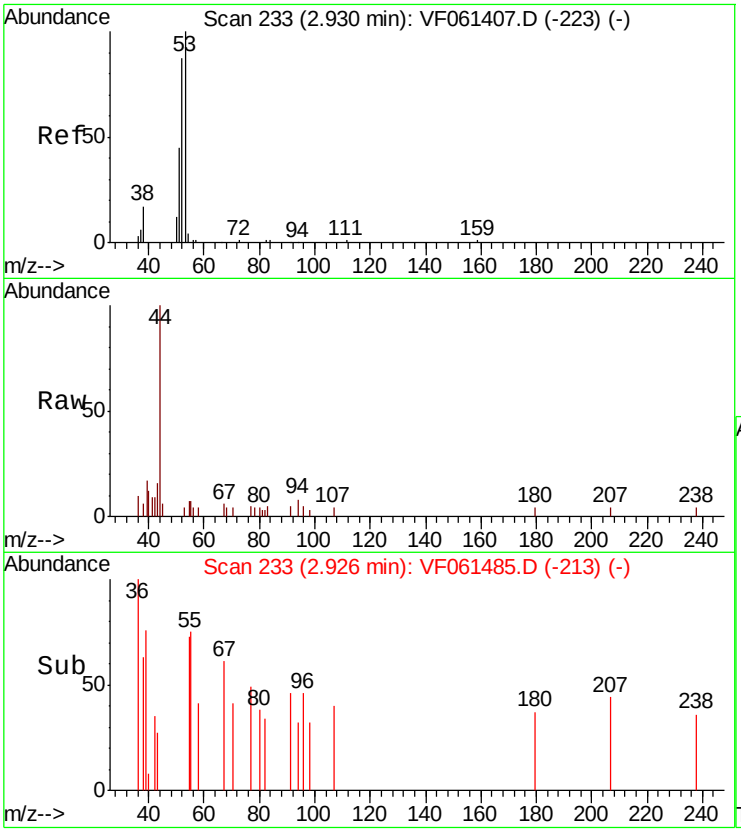


#13
Acrolein
Concen: 38.114 ug/l
RT: 1.86 min Scan# 125
Delta R.T. -0.13 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 56 Resp: 353

Ion	Ratio	Lower	Upper
56	100		
55	62.1	57.5	86.3



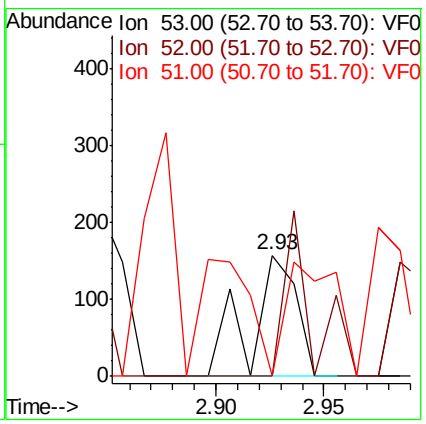


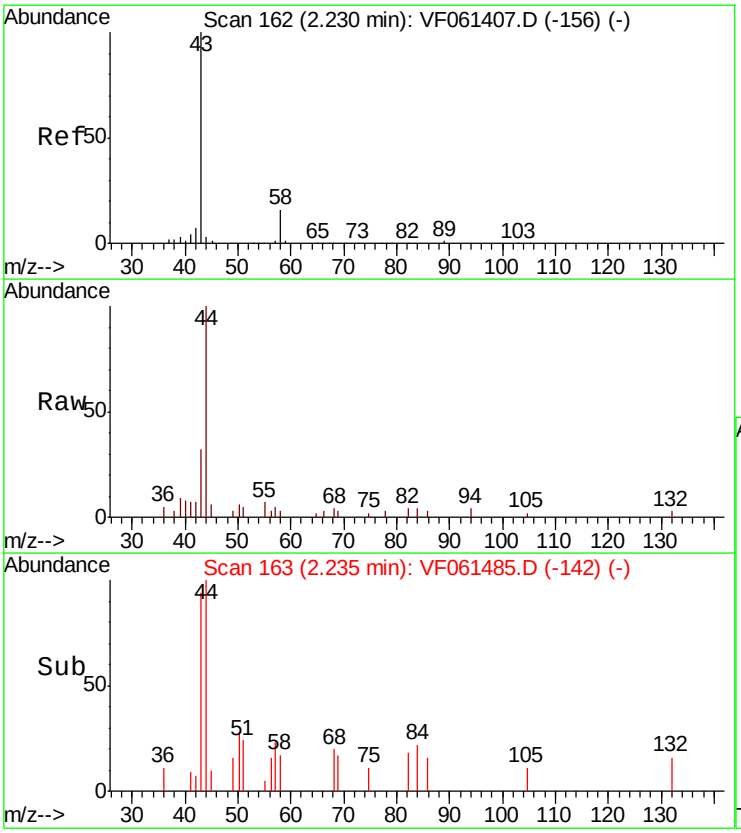
#15
Acrylonitrile
Concen: 6.376 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.00 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 53 Resp: 231

Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.6	104.4#
51	0.0	36.8	55.2#

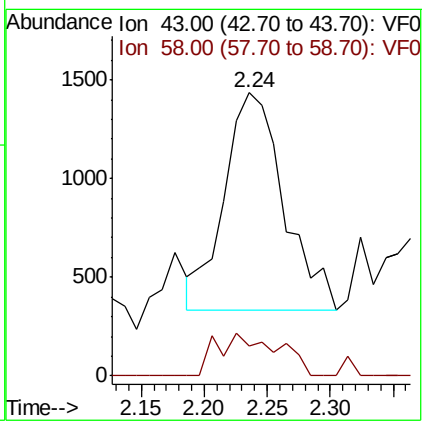


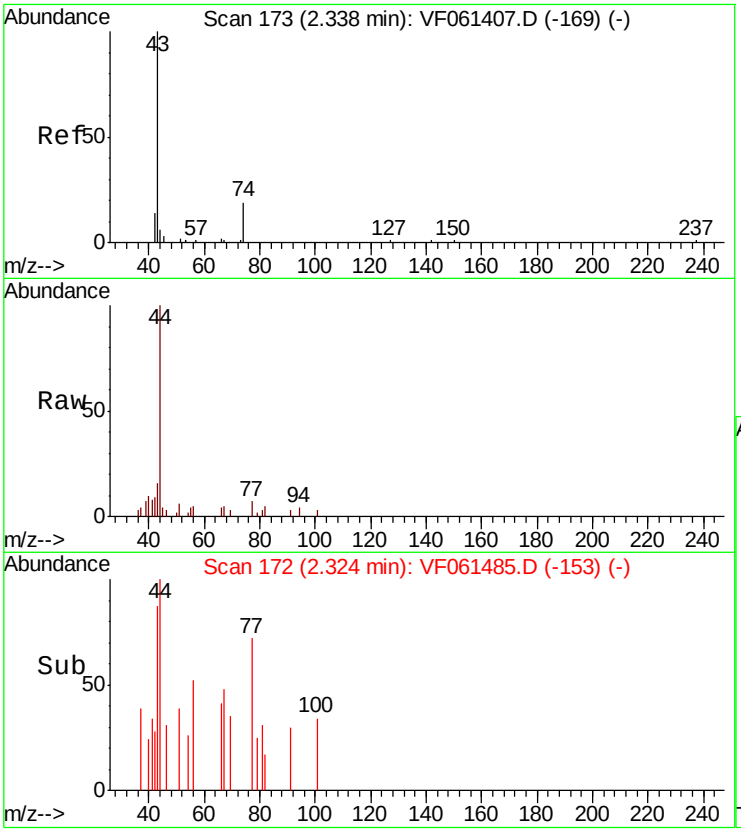


#16
Acetone
Concen: 54.106 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 43 Resp: 3627

Ion	Ratio	Lower	Upper
43	100		
58	10.7	13.3	19.9#



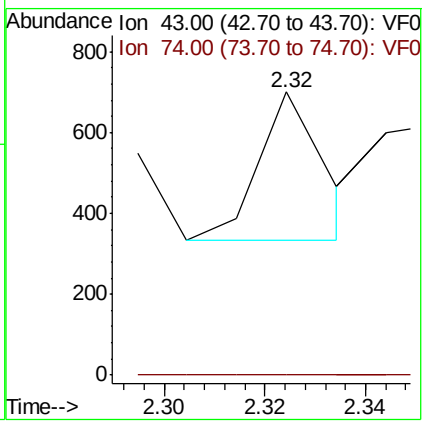


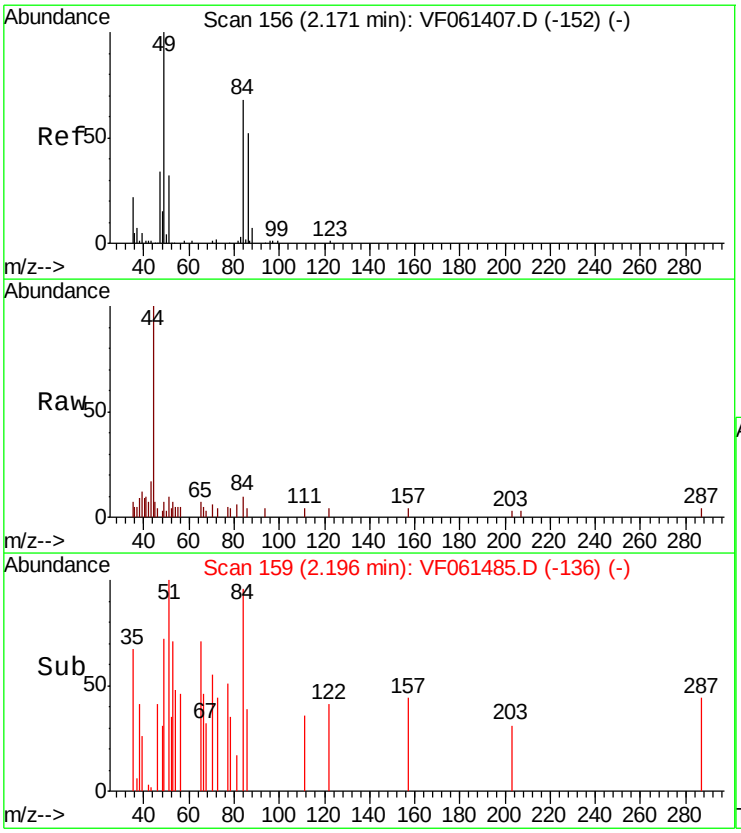
#18
Methyl Acetate
Concen: 2.460 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 43 Resp: 327

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.4	20.0#

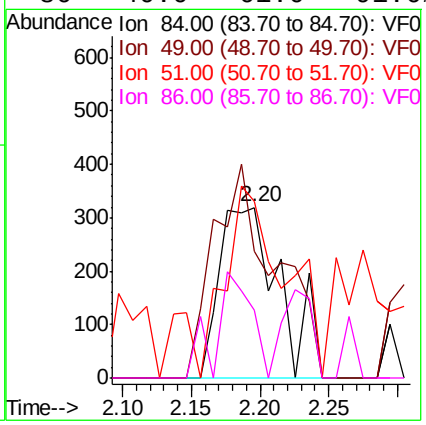


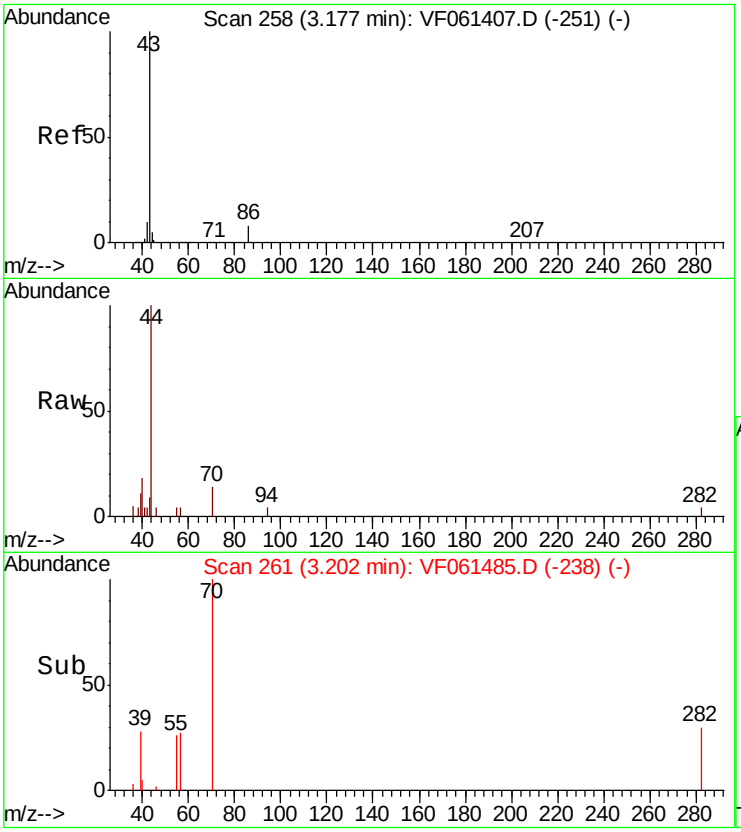


#20
Methylene Chloride
Concen: 2.629 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.03 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 84 Resp: 977

Ion	Ratio	Lower	Upper
84	100		
49	74.4	120.0	180.0#
51	103.8	38.6	58.0#
86	40.0	61.0	91.6#



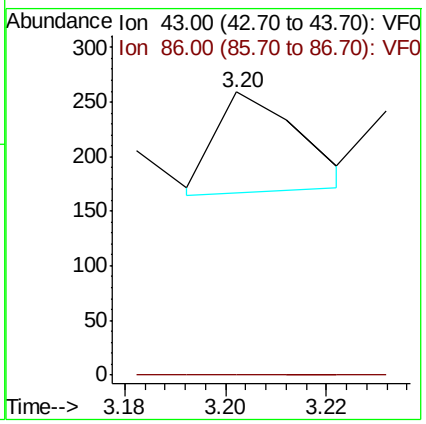


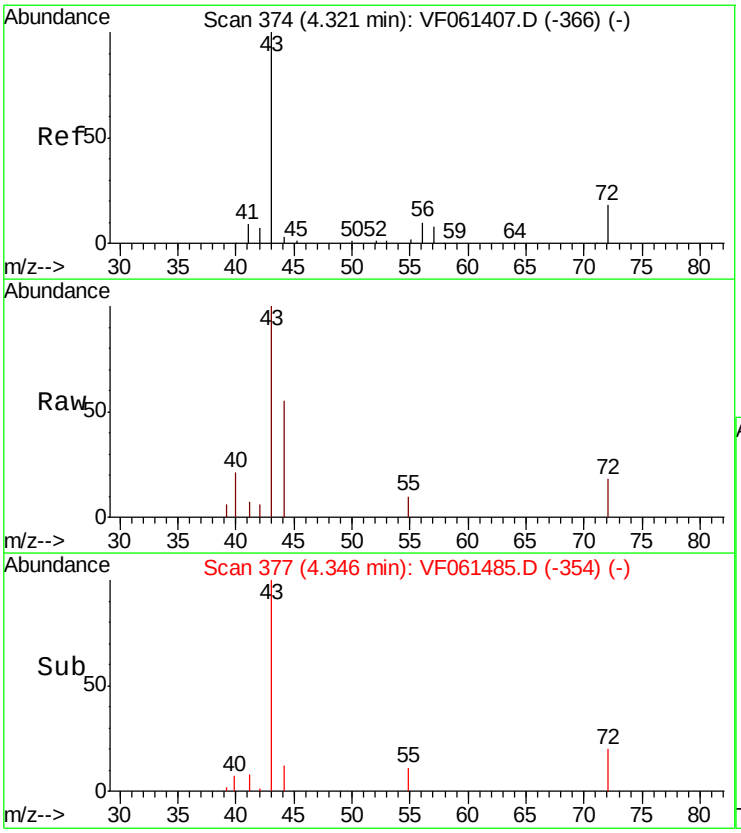
#23
Vinyl Acetate
Concen: 3.474 ug/l
RT: 3.20 min Scan# 261
Delta R.T. 0.03 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 43 Resp: 107

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#

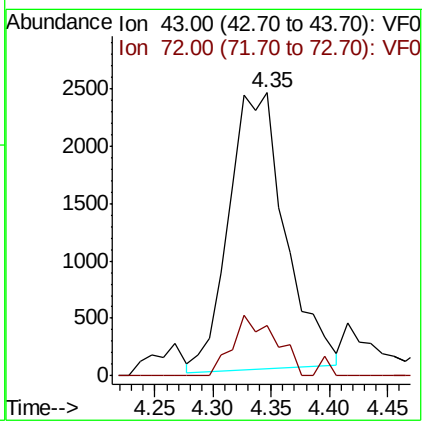


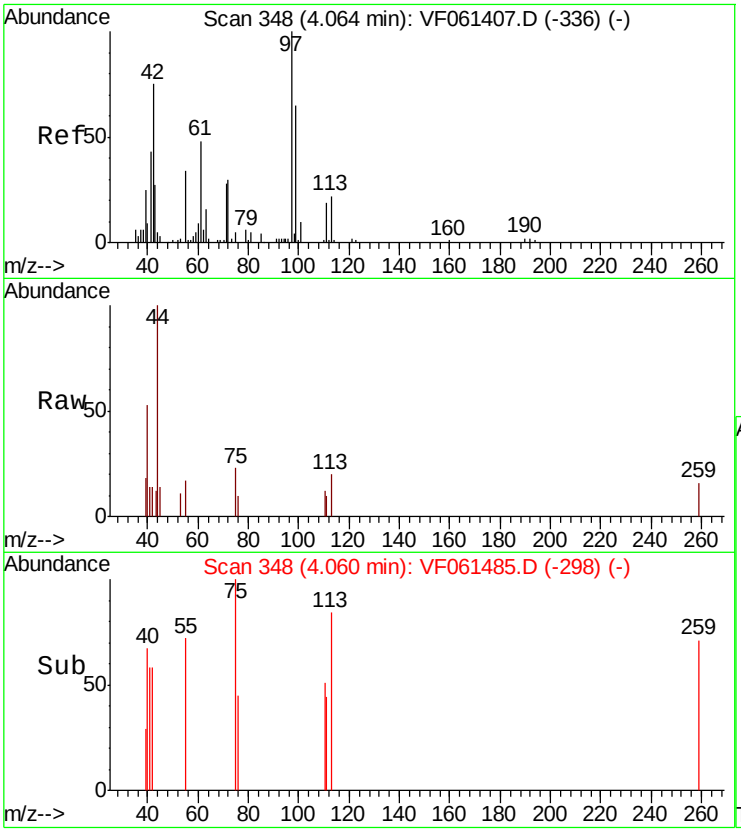


#25
2-Butanone
Concen: 72.240 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.03 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 43 Resp: 8053

Ion	Ratio	Lower	Upper
43	100		
72	17.7	15.8	23.6



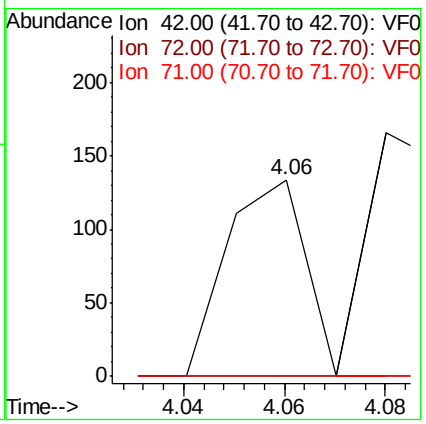


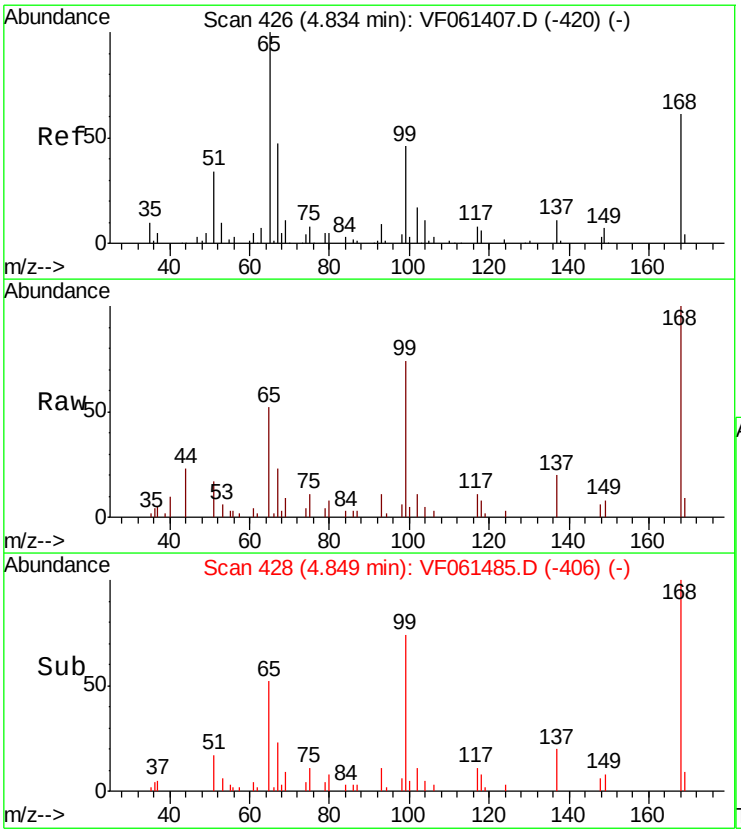
#29
Tetrahydrofuran
Concen: 3.021 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.00 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion: 42 Resp: 145

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#

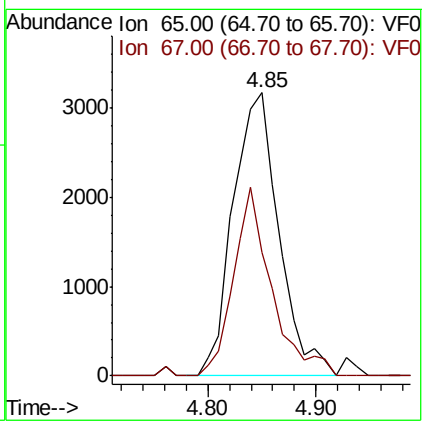


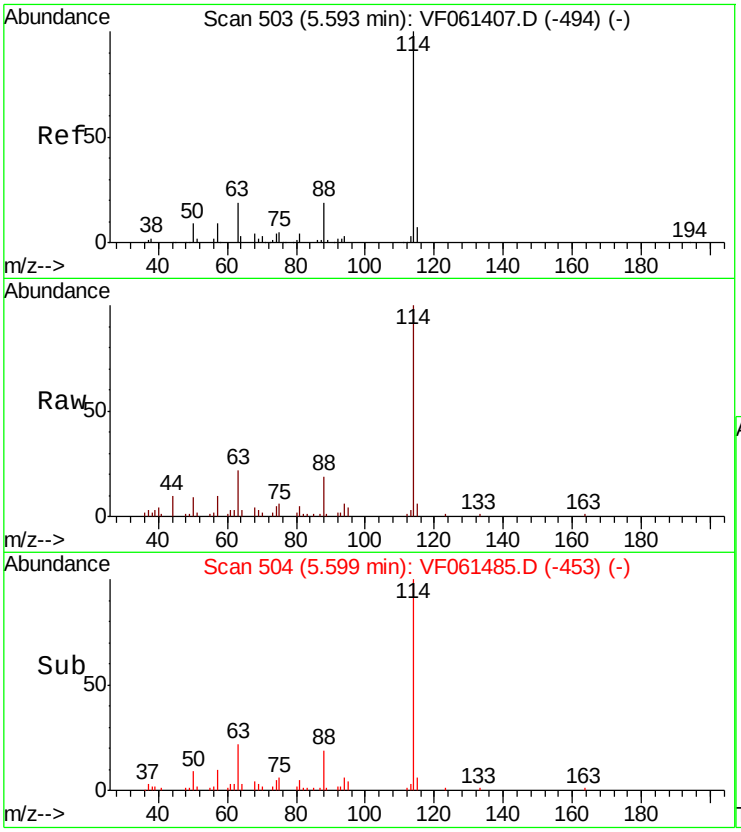


#33
1,2-Dichloroethane-d4
Concen: 28.038 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.02 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 65 Resp: 9369

Ion	Ratio	Lower	Upper
65	100		
67	43.8	0.0	99.8



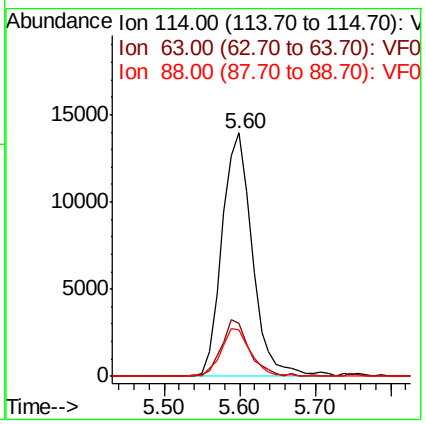


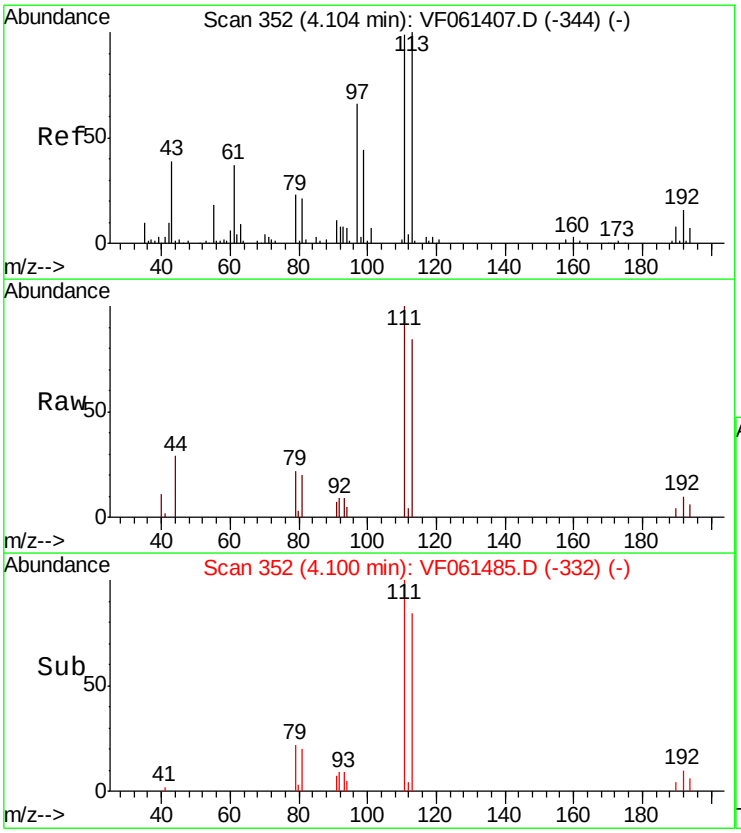
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion:114 Resp: 38797

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.0
88	19.2	0.0	37.4

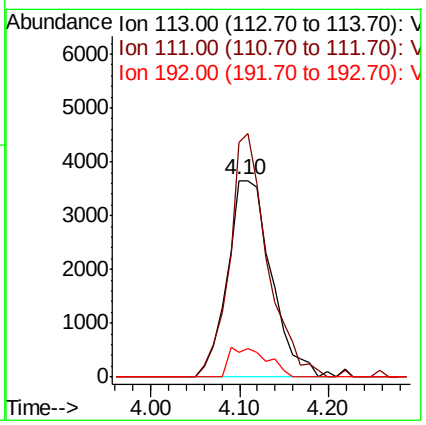


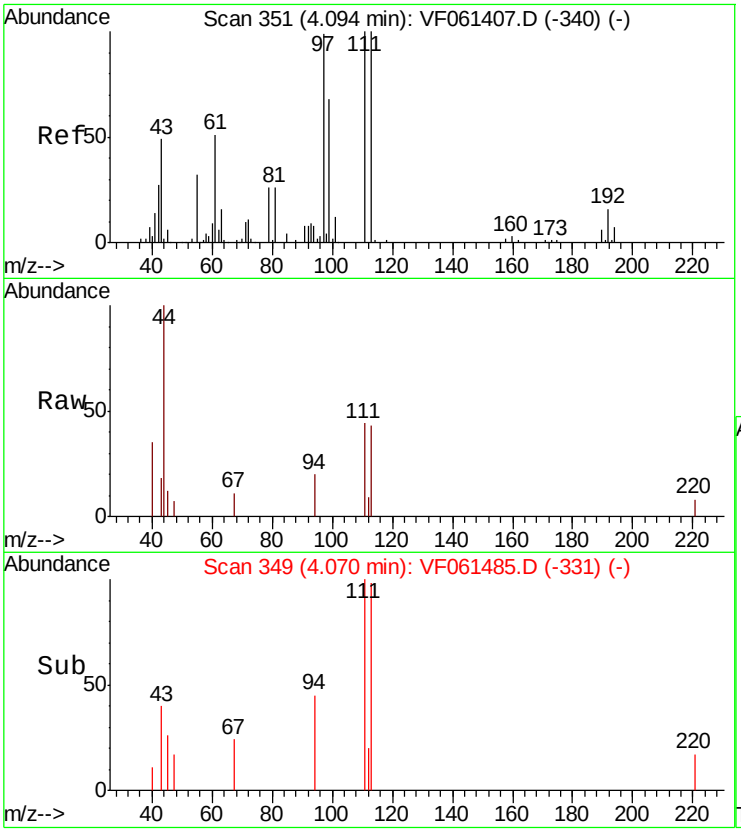


#35
Dibromofluoromethane
Concen: 40.965 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion:113 Resp: 12541

Ion	Ratio	Lower	Upper
113	100		
111	119.5	79.4	119.0#
192	12.4	12.4	18.6#



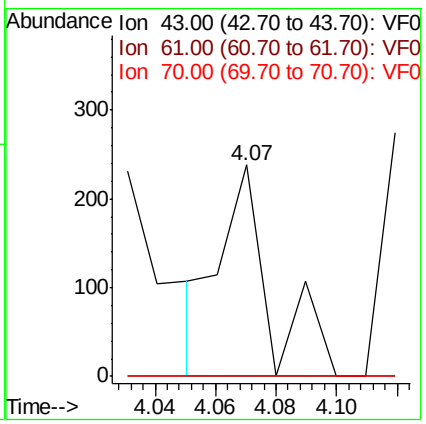


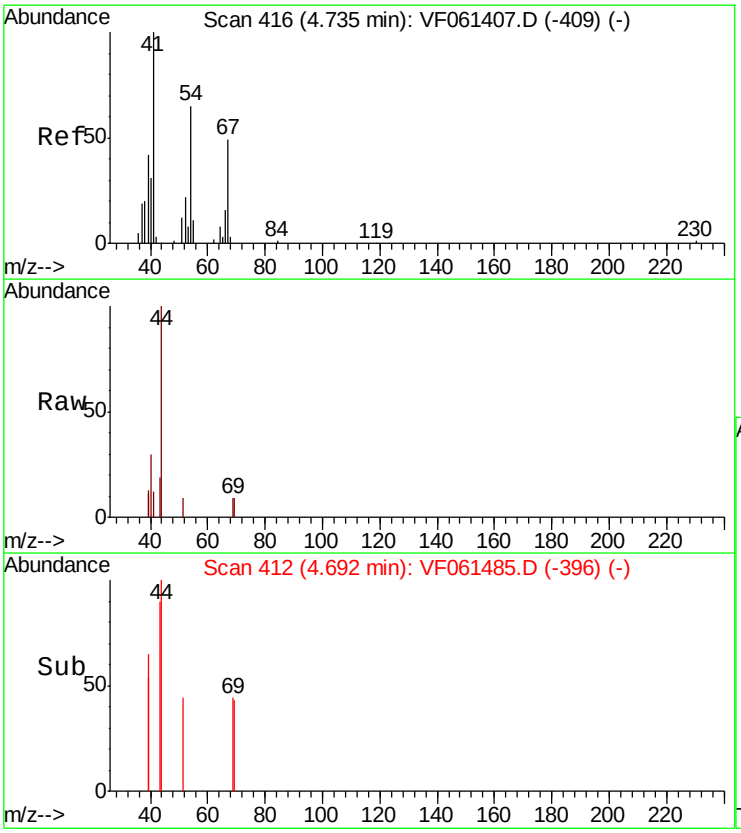
#37
Ethyl Acetate
Concen: 1.518 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 43 Resp: 273

Ion	Ratio	Lower	Upper
43	100		
61	0.0	81.7	122.5#
70	0.0	6.2	9.2#

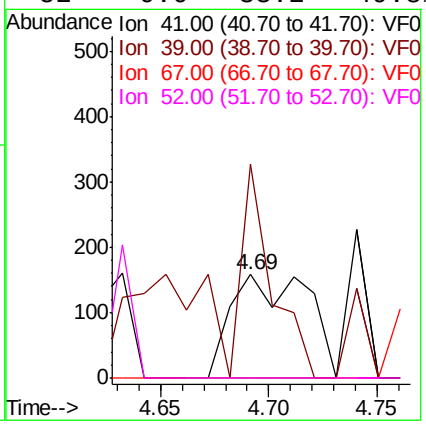


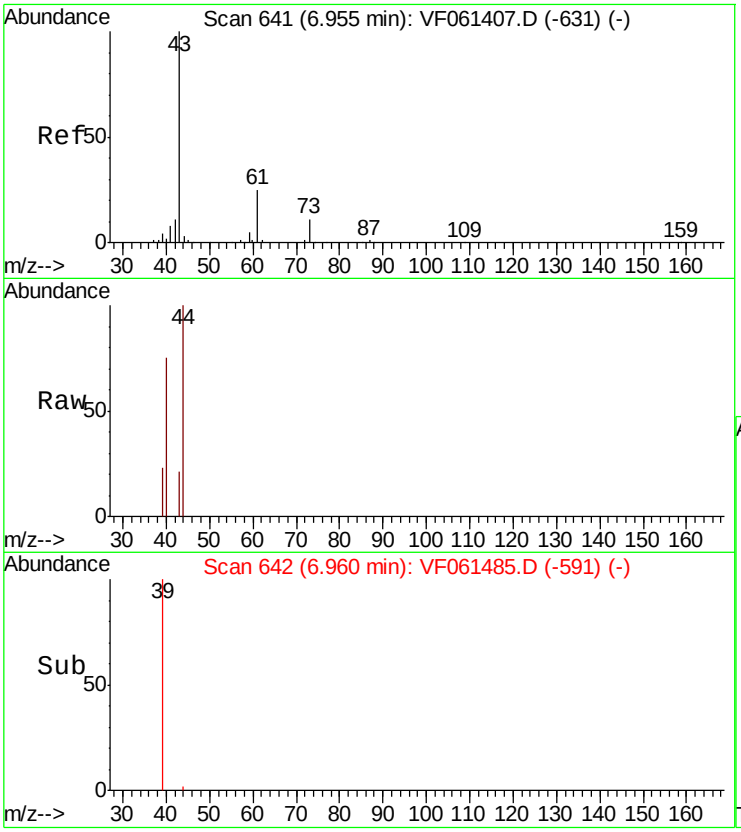


#41
Methacrylonitrile
Concen: 4.066 ug/l
RT: 4.69 min Scan# 412
Delta R.T. -0.04 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 41 Resp: 389

Ion	Ratio	Lower	Upper
41	100		
39	207.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



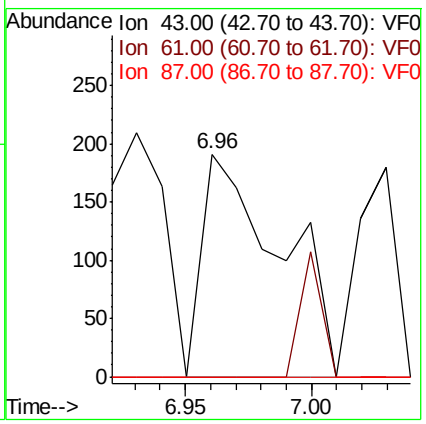


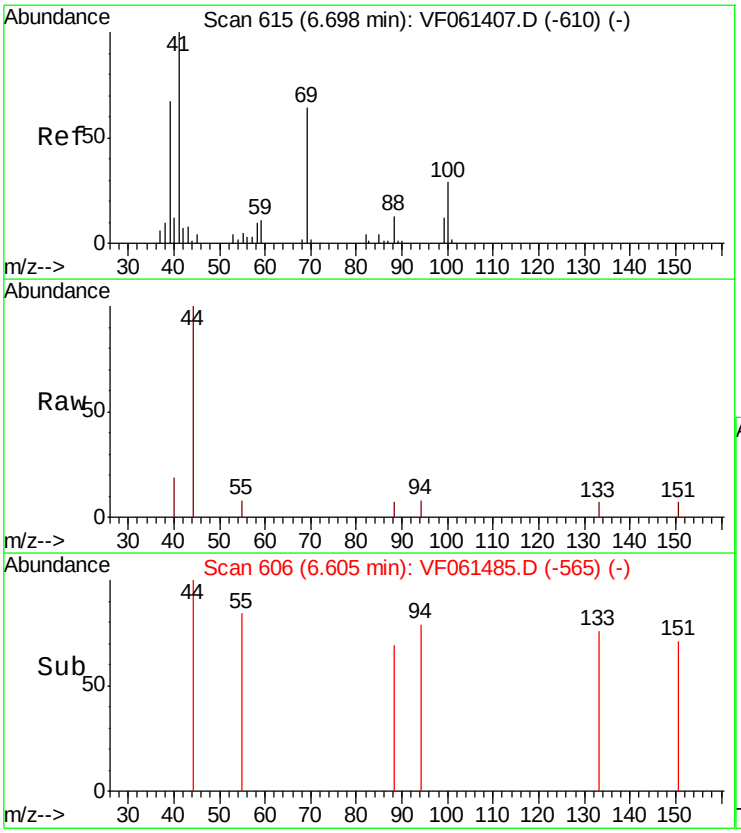
#43
Isopropyl Acetate
Concen: 1.826 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 43 Resp: 412

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#

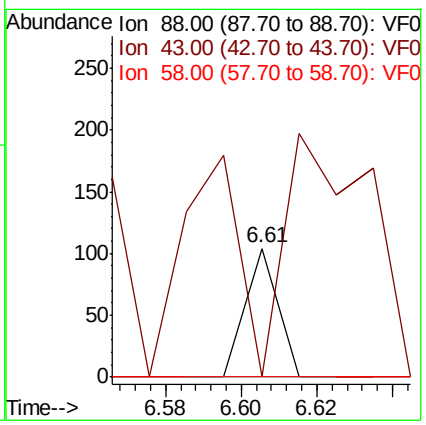


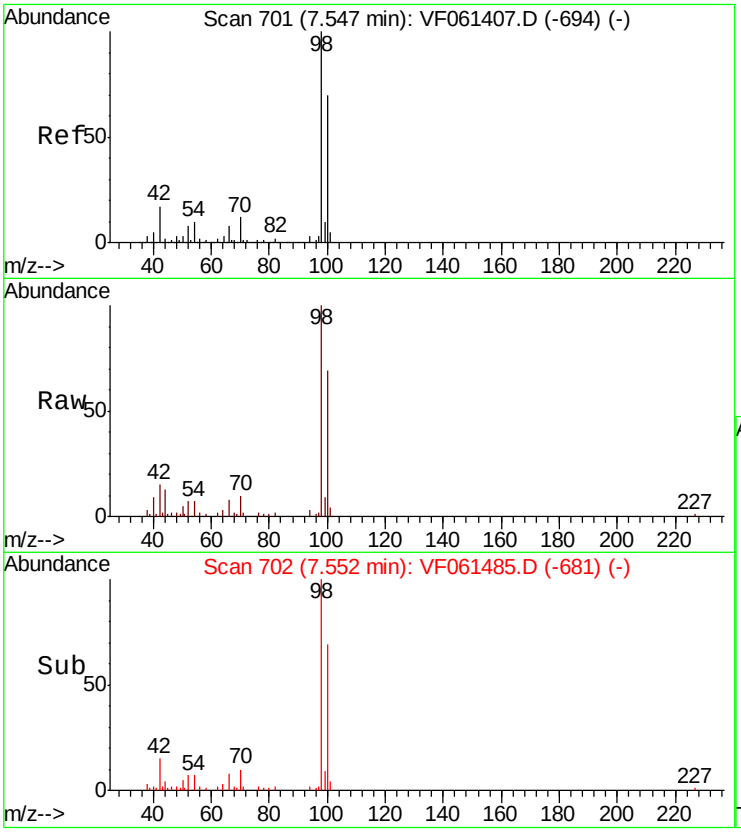


#49
1,4-Dioxane
Concen: Below Cal
RT: 6.61 min Scan# 606
Delta R.T. -0.09 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	0.0	55.5	83.3#
58	0.0	59.9	89.9#



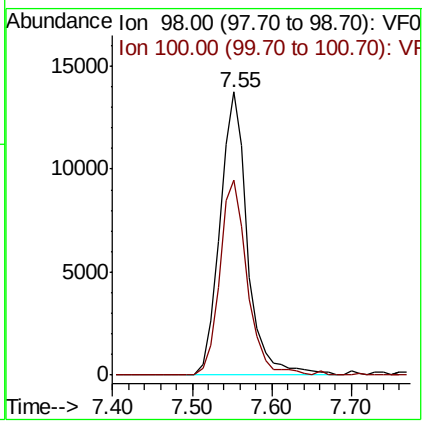


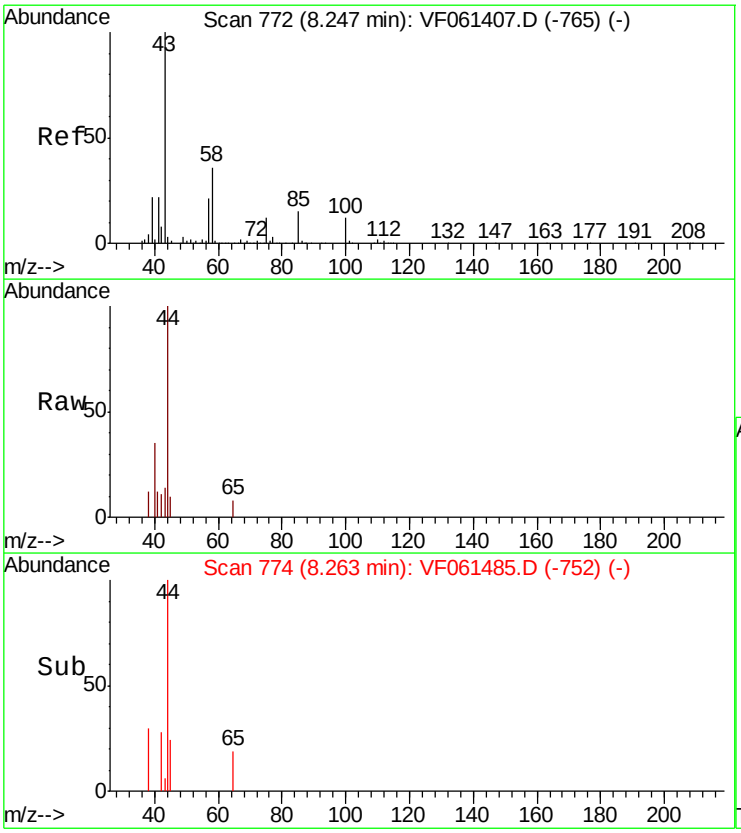
#50
Toluene-d8
Concen: 39.821 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 98 Resp: 33401

Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.6	83.4

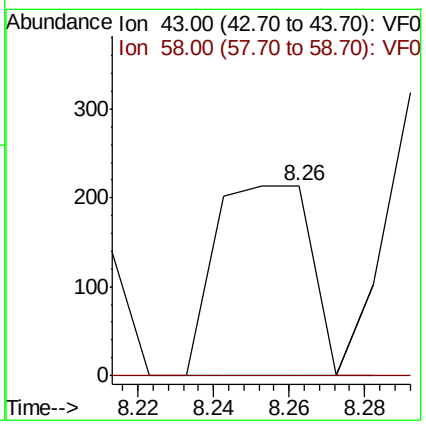


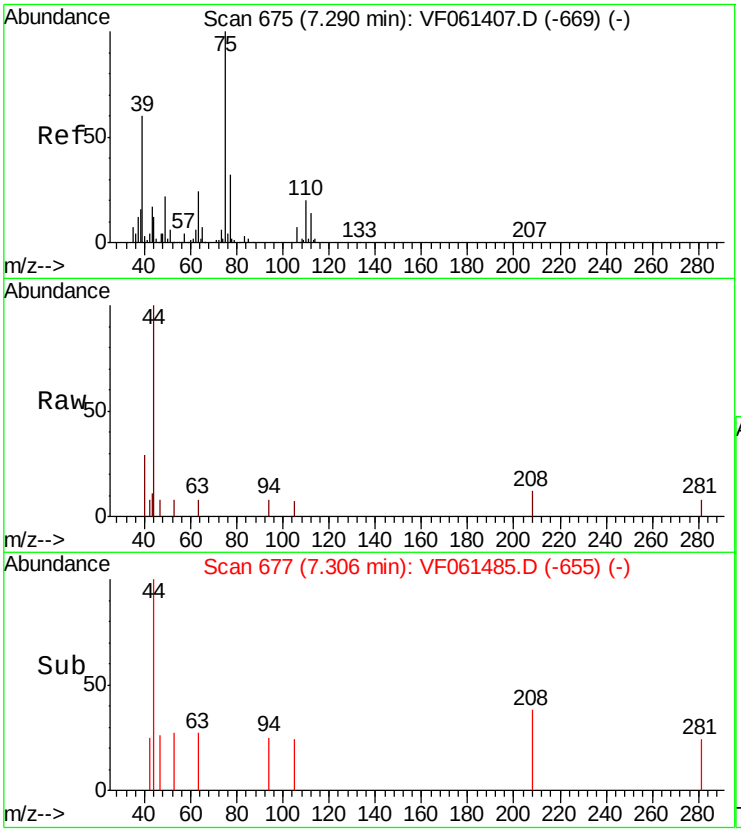


#51
4-Methyl-2-Pentanone
Concen: 2.242 ug/l
RT: 8.26 min Scan# 774
Delta R.T. 0.02 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 43 Resp: 372

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.8	43.2#



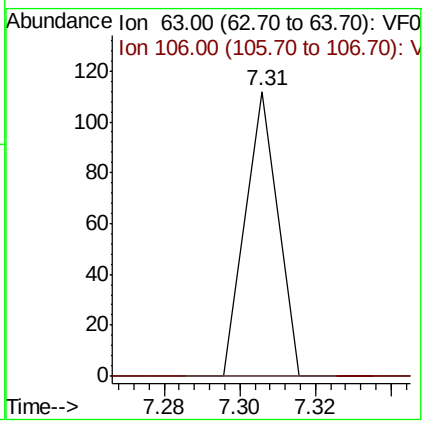


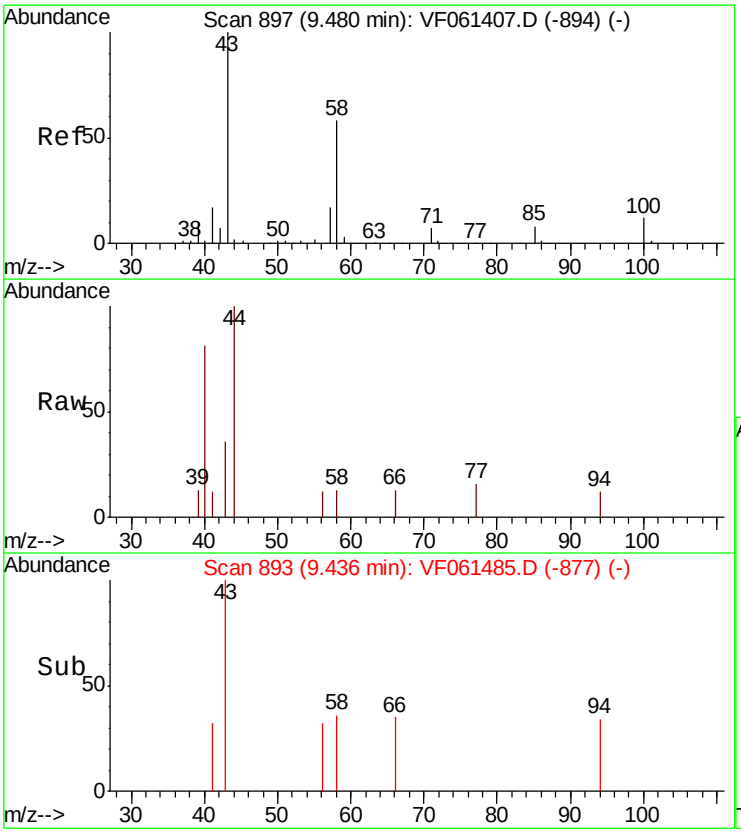
#58
2-Chloroethyl Vinyl ether
Concen: 30.090 ug/l
RT: 7.31 min Scan# 677
Delta R.T. 0.02 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion: 63 Resp: 66

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#

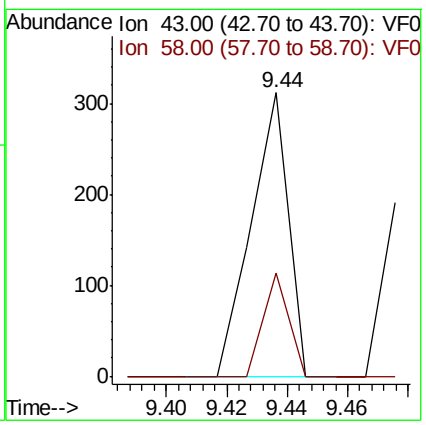


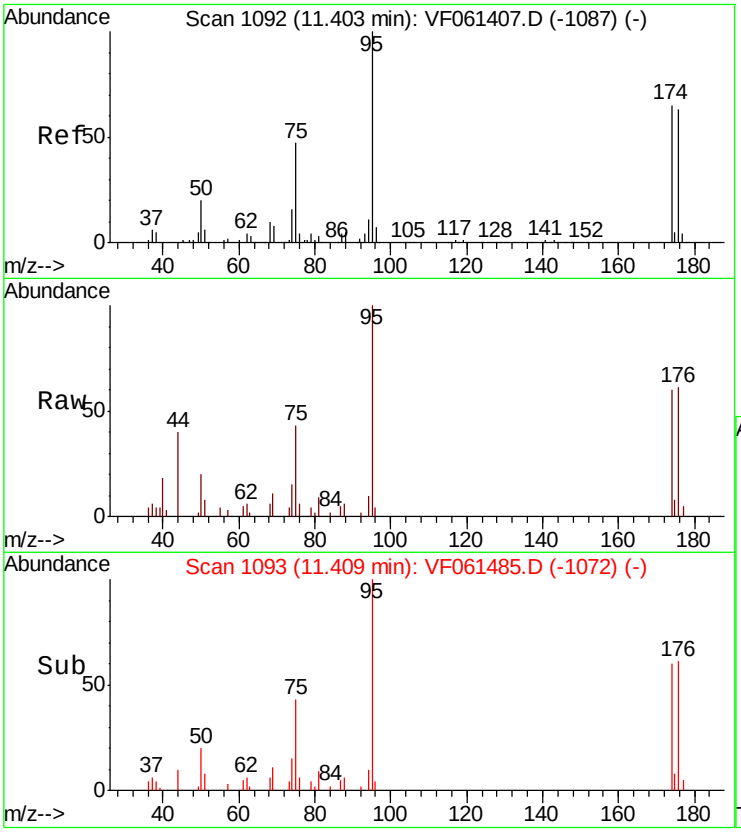


#59
2-Hexanone
Concen: 2.325 ug/l
RT: 9.44 min Scan# 893
Delta R.T. -0.04 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 43 Resp: 269

Ion	Ratio	Lower	Upper
43	100		
58	36.2	25.9	77.6



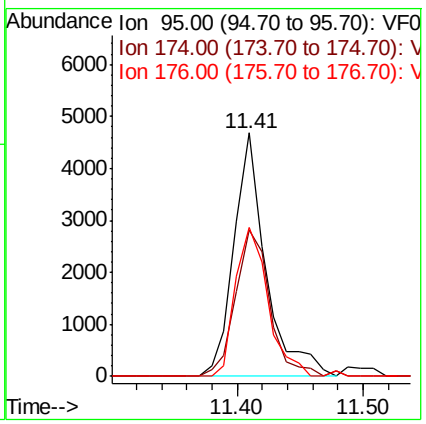


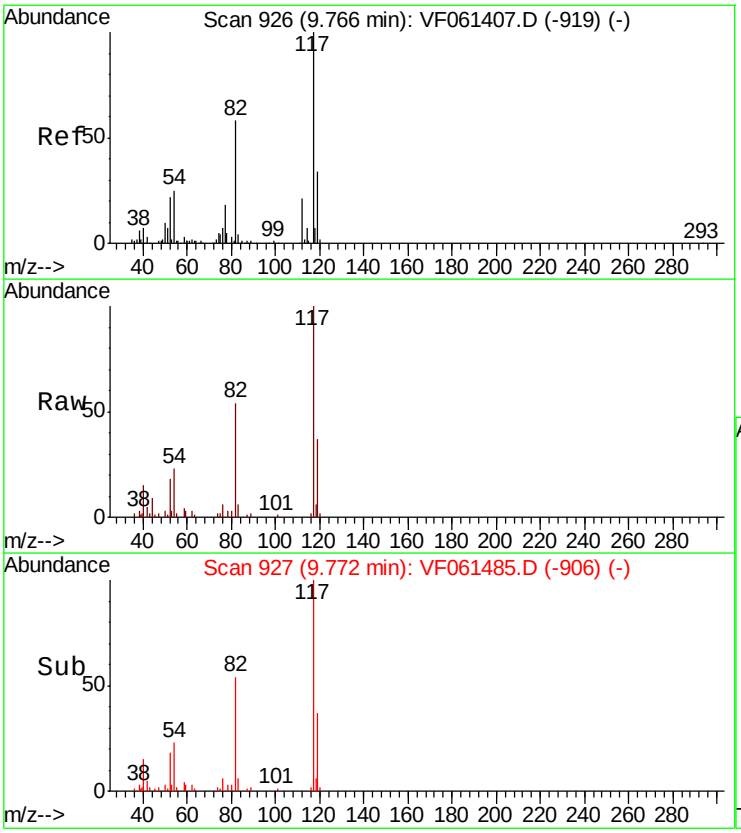
#62
4-Bromofluorobenzene
Concen: 20.972 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion: 95 Resp: 8219

Ion	Ratio	Lower	Upper
95	100		
174	60.1	0.0	130.4
176	61.1	0.0	126.2

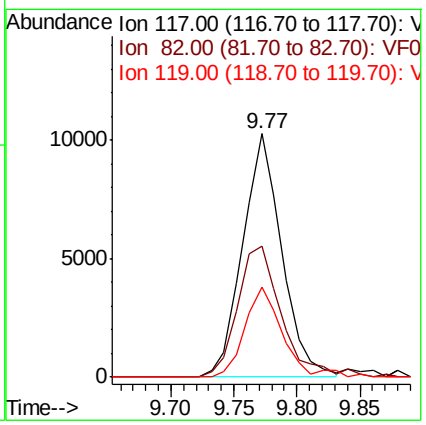


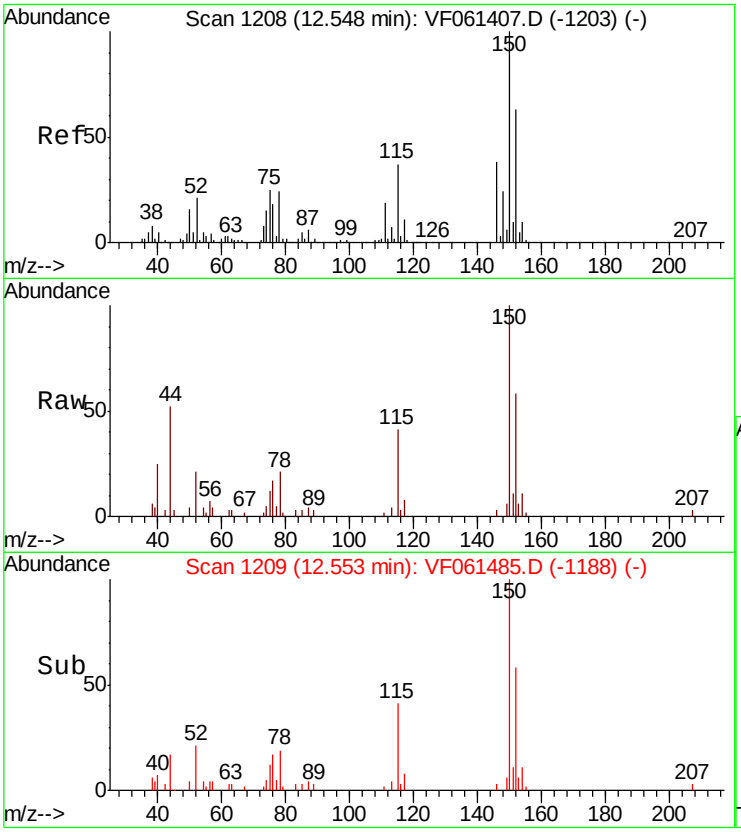


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion:117 Resp: 22162

Ion	Ratio	Lower	Upper
117	100		
82	53.7	46.4	69.6
119	36.8	27.2	40.8



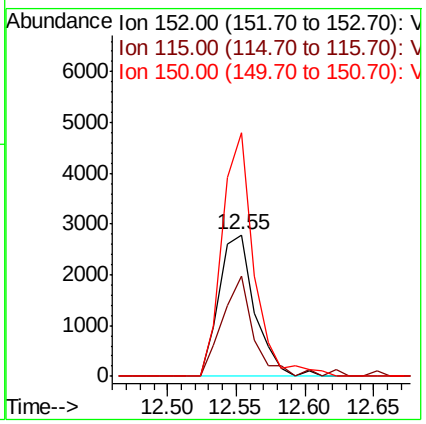


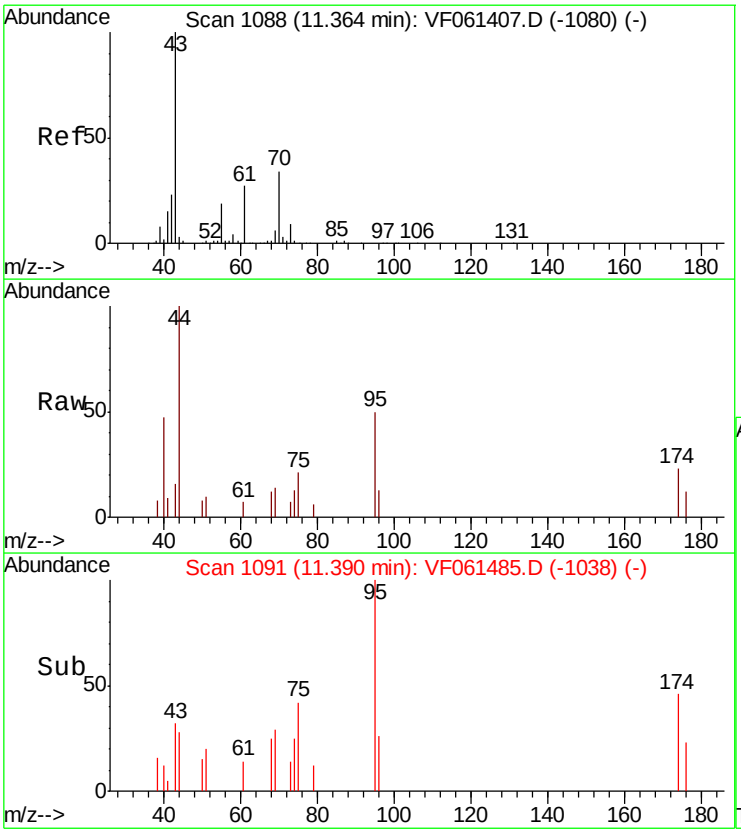
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion:152 Resp: 4994

Ion	Ratio	Lower	Upper
152	100		
115	70.4	30.0	90.0
150	171.7	0.0	321.4

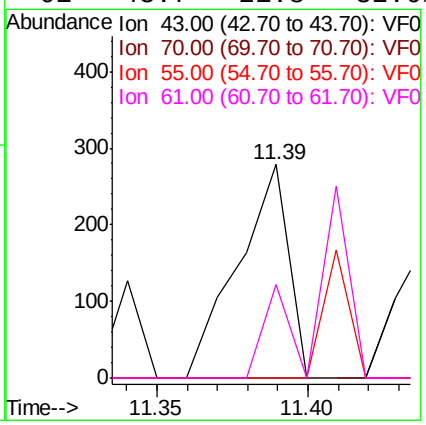


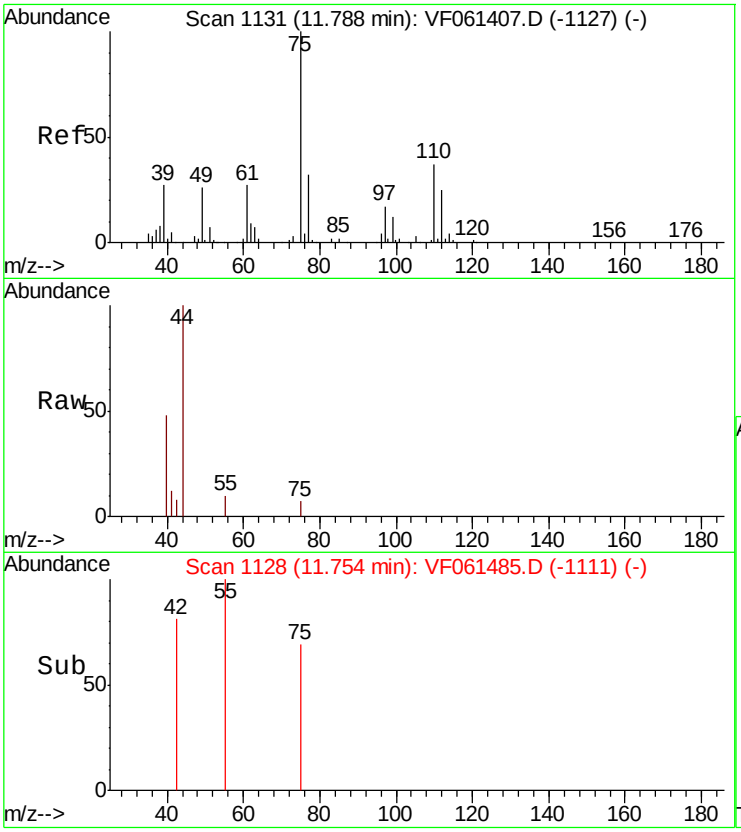


#74
N-amyl acetate
Concen: 3.384 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. 0.03 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 43 Resp: 325

Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.6	41.4#
55	0.0	15.4	23.2#
61	43.7	21.8	32.6#



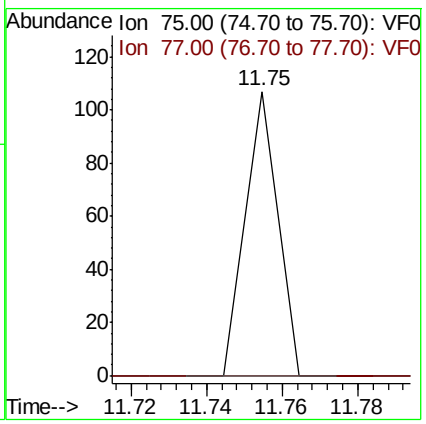


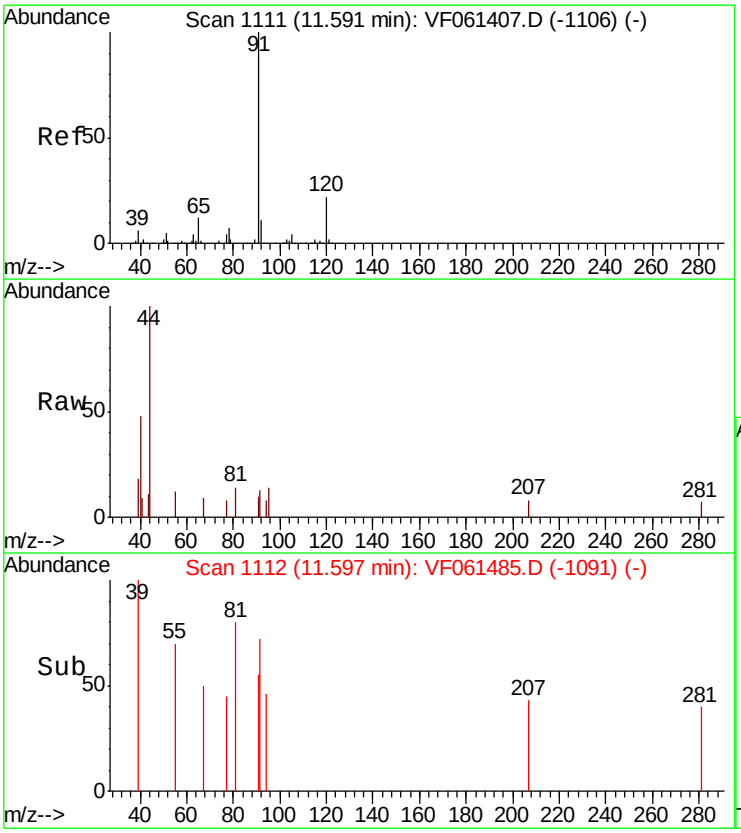
#76
1,2,3-Trichloropropane
Concen: 1.212 ug/l
RT: 11.75 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion: 75 Resp: 63

Ion	Ratio	Lower	Upper
75	100		
77	0.0	16.1	48.3#

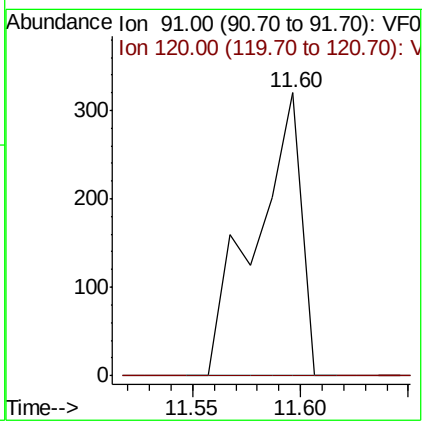


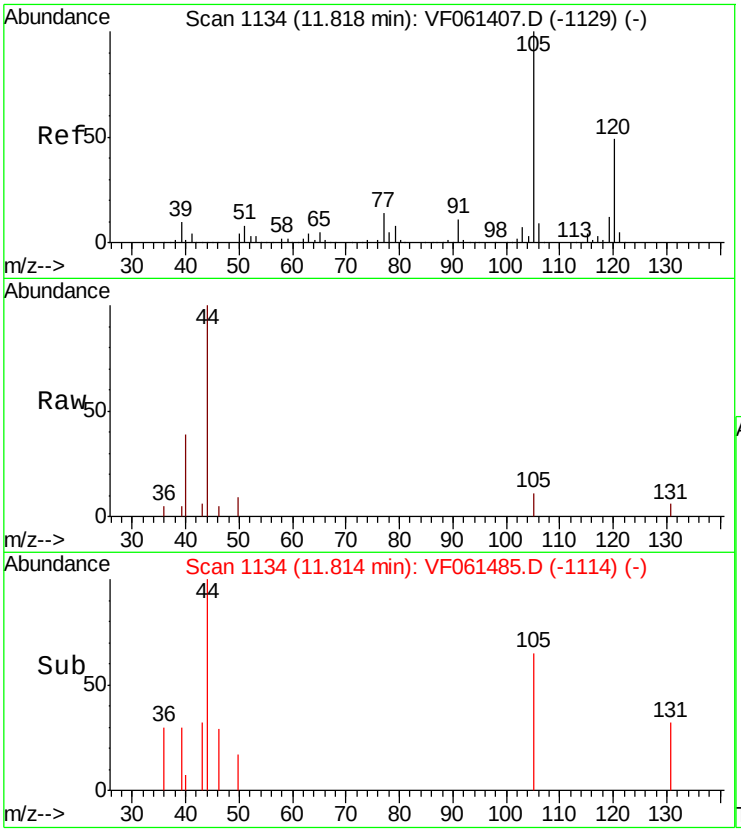


#78
n-propylbenzene
Concen: 1.080 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 91 Resp: 477

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.9	32.6#



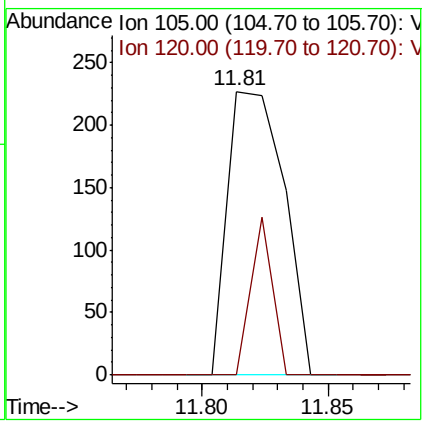


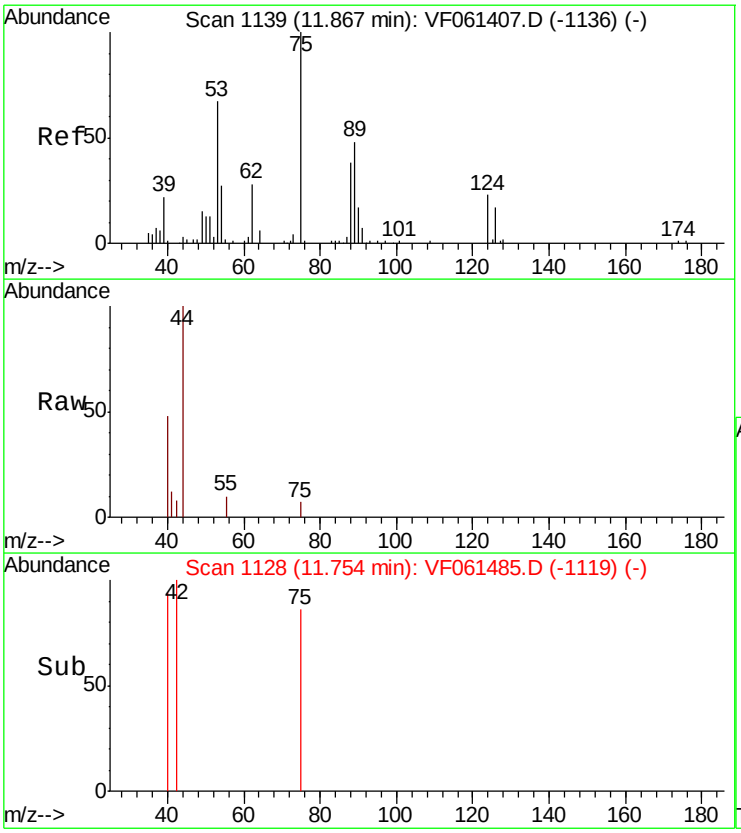
#80
1,3,5-Trimethylbenzene
Concen: 1.083 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion:105 Resp: 355

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.7	74.1#

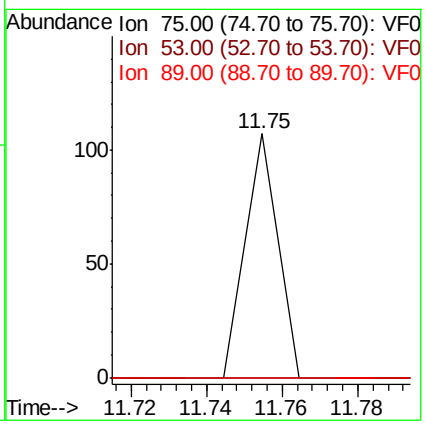


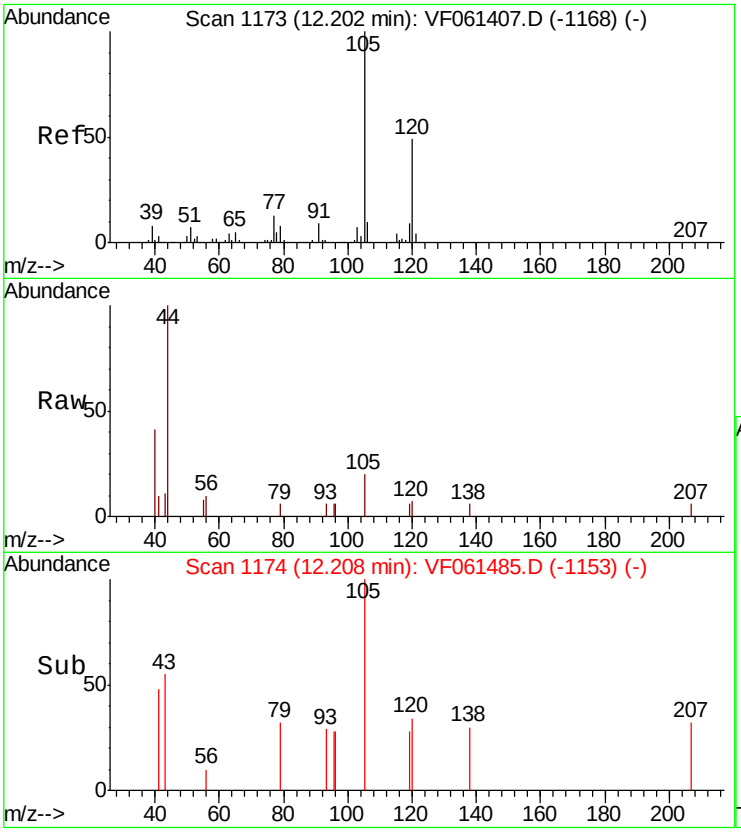


#81
trans-1,4-Dichloro-2-butene
Concen: 2.787 ug/l
RT: 11.75 min Scan# 1128
Delta R.T. -0.11 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion: 75 Resp: 63

Ion	Ratio	Lower	Upper
75	100		
53	0.0	57.8	86.6#
89	0.0	40.7	61.1#



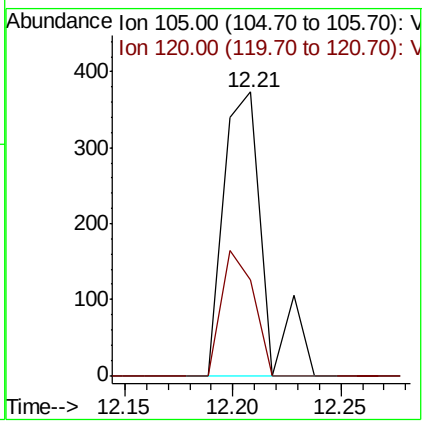


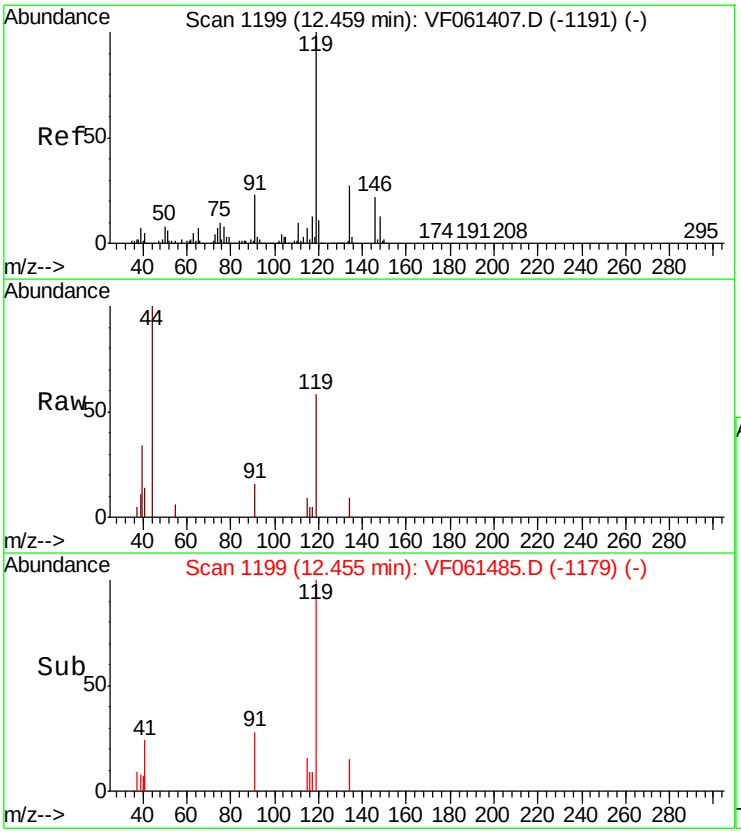
#84
1,2,4-Trimethylbenzene
Concen: 1.436 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument :
MSVOA_F
ClientSampleId :
TS-O

Tgt Ion:105 Resp: 485

Ion	Ratio	Lower	Upper
105	100		
120	33.8	24.9	74.6

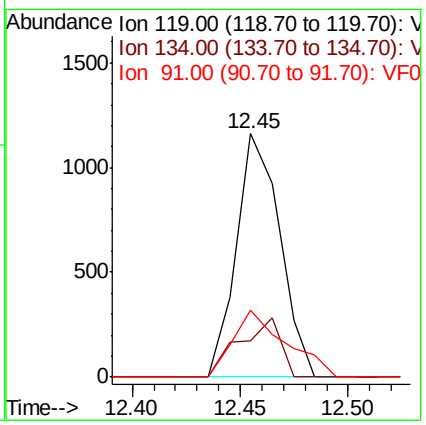


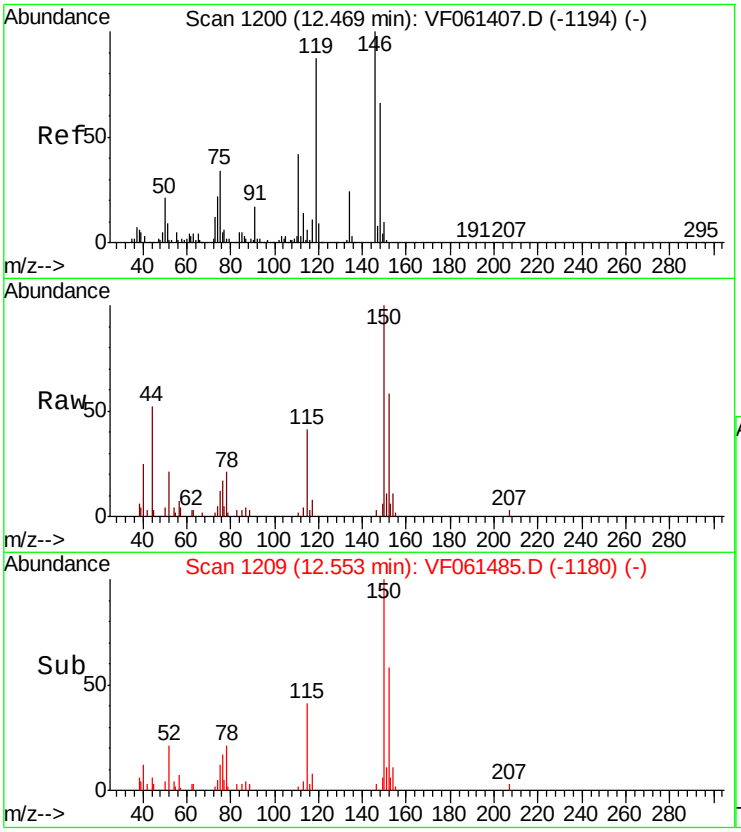


#86
p-Isopropyltoluene
Concen: 4.275 ug/l
RT: 12.45 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion:119 Resp: 1617

Ion	Ratio	Lower	Upper
119	100		
134	15.1	13.4	40.2
91	27.7	11.4	34.2



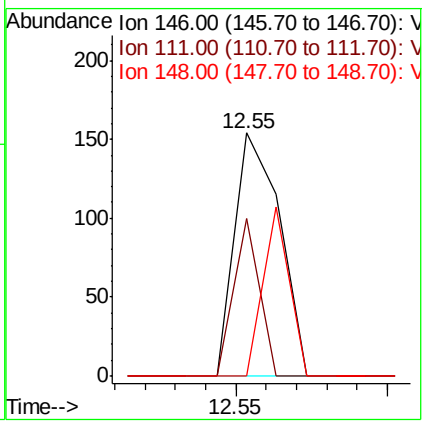


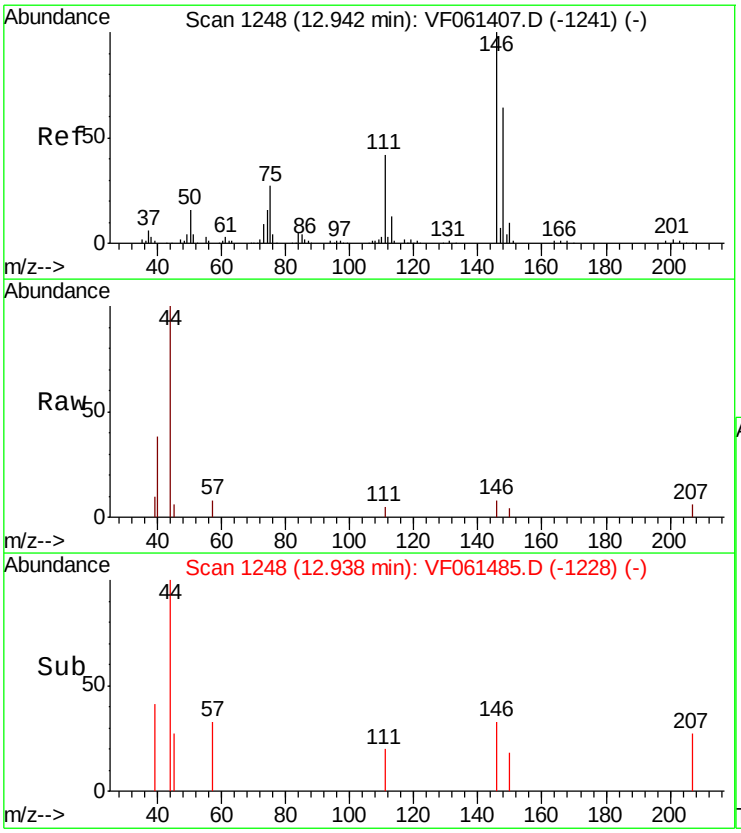
#87
1,3-Dichlorobenzene
Concen: 1.235 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.09 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Instrument : MSVOA_F
ClientSampleId : TS-O

Tgt Ion:146 Resp: 159

Ion	Ratio	Lower	Upper
146	100		
111	64.9	21.1	63.4#
148	0.0	32.9	98.6#





#91
1,2-Dichlorobenzene
Concen: 1.091 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF061485.D
Acq: 23 Jan 2019 16:17

Tgt Ion:146 Resp: 175

Ion	Ratio	Lower	Upper
146	100		
111	60.0	21.1	63.3
148	0.0	31.9	95.7#