Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
Data File : VF062573.D
Acq On : 14 May 2019 7:18
Operator : FY/SY
Sample : K2757-01
Misc : 5.22g/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P021-SS008-1218-01

Quant Time: May 14 08:40:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	47795	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	56773	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	51181	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	25935	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	16062	35.56	ug/l	0.04
Spiked Amount 50.000			Recovery = 71.12%			
35) Dibromofluoromethane	4.34	113	18878	41.74	ug/l	0.04
Spiked Amount 50.000			Recovery = 83.48%			
50) Toluene-d8	7.73	98	44777	40.90	ug/l	0.03
Spiked Amount 50.000			Recovery = 81.80%			
62) 4-Bromofluorobenzene	11.51	95	18670	37.80	ug/l	0.02
Spiked Amount 50.000			Recovery = 75.60%			
Target Compounds						Qvalue
5) Bromomethane	1.42	94	329	Below Cal	#	3
6) Chloroethane	1.50	64	449	2.454	ug/l #	80
8) Diethyl Ether	1.69	74	274	2.398	ug/l	59
11) Tert butyl alcohol	2.72	59	60	2.350	ug/l #	1
13) Acrolein	2.11	56	142	Below Cal	#	1
14) Allyl chloride	2.19	41	746	2.305	ug/l #	43
15) Acrylonitrile	3.11	53	128	2.647	ug/l #	58
16) Acetone	2.37	43	1255	13.735	ug/l #	57
18) Methyl Acetate	2.49	43	341	Below Cal	#	58
21) trans-1,2-Dichloroethene	2.44	96	609	1.744	ug/l #	1
25) 2-Butanone	4.53	43	451	3.929	ug/l #	60
26) 2,2-Dichloropropane	3.77	77	422	1.236	ug/l #	58
29) Tetrahydrofuran	4.31	42	66	1.251	ug/l #	1
37) Ethyl Acetate	4.33	43	107	Below Cal	#	73
38) Carbon Tetrachloride	4.16	117	75	Below Cal	#	14
39) Methylcyclohexane	5.80	83	1287	2.631	ug/l #	36
41) Methacrylonitrile	4.98	41	450	3.848	ug/l #	18
43) Isopropyl Acetate	7.11	43	583	2.628	ug/l #	48
48) Methyl methacrylate	6.93	41	462	2.947	ug/l #	59
49) 1,4-Dioxane	6.82	88	62	25.723	ug/l #	1
51) 4-Methyl-2-Pentanone	8.46	43	326	1.939	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.51	63	78	1.169	ug/l #	42
59) 2-Hexanone	9.63	43	619	5.325	ug/l	67
74) N-amyl acetate	11.47	43	429	1.300	ug/l #	61
81) trans-1,4-Dichloro-2-buten	11.96	75	165	2.390	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.57	75	154	2.855	ug/l #	1

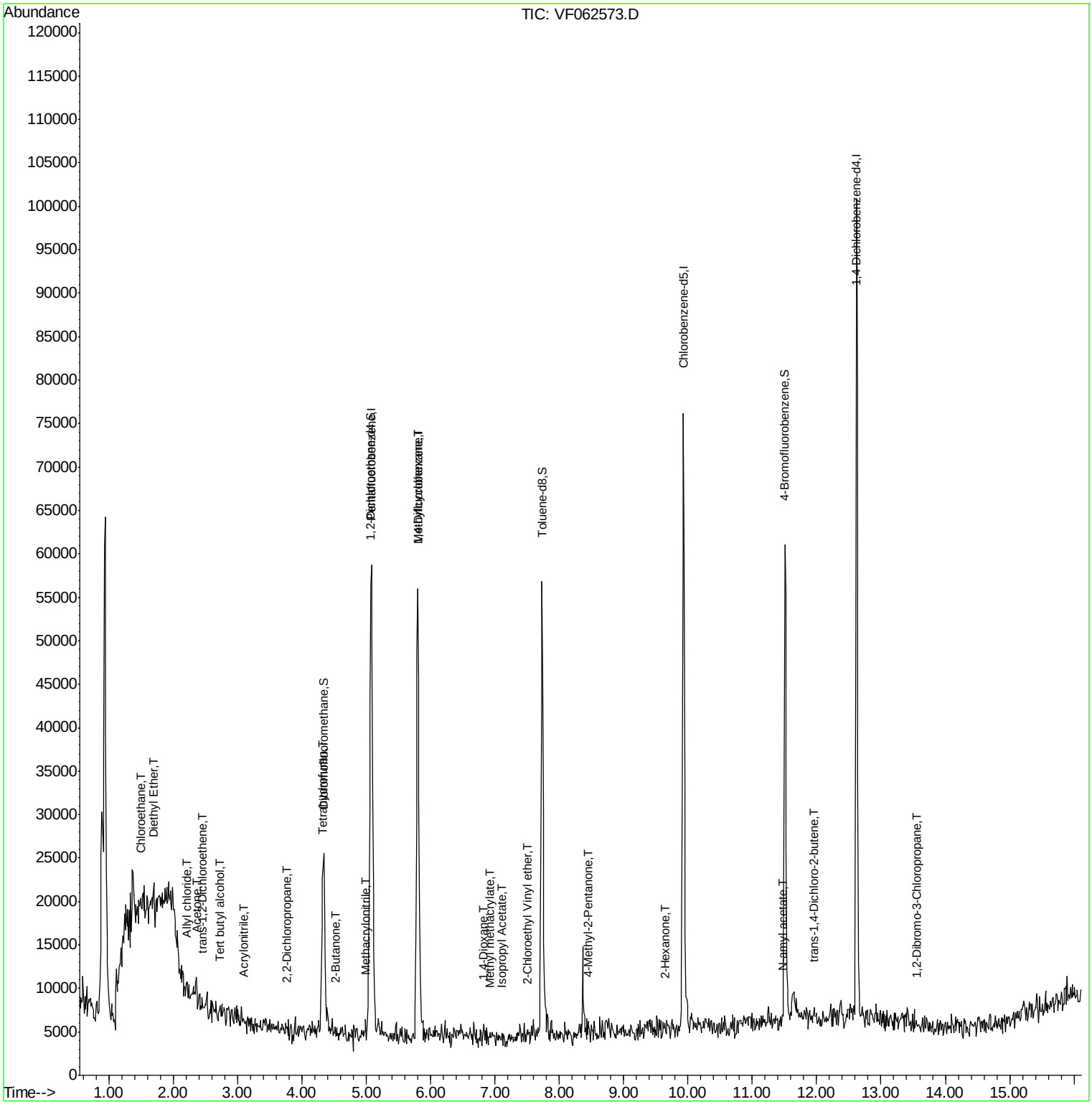
(#) = qualifier out of range (m) = manual integration (+) = signals summed

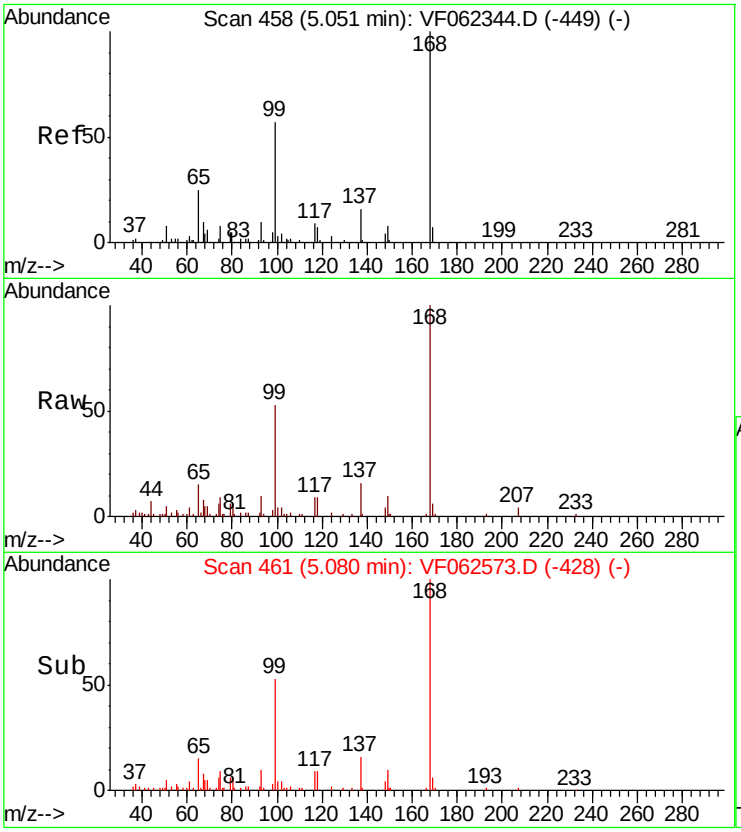
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
Data File : VF062573.D
Acq On : 14 May 2019 7:18
Operator : FY/SY
Sample : K2757-01
Misc : 5.22g/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Quant Time: May 14 08:40:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration



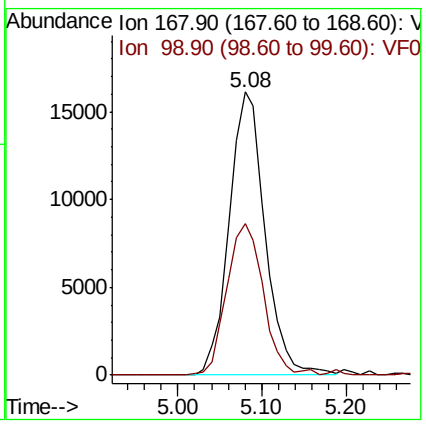


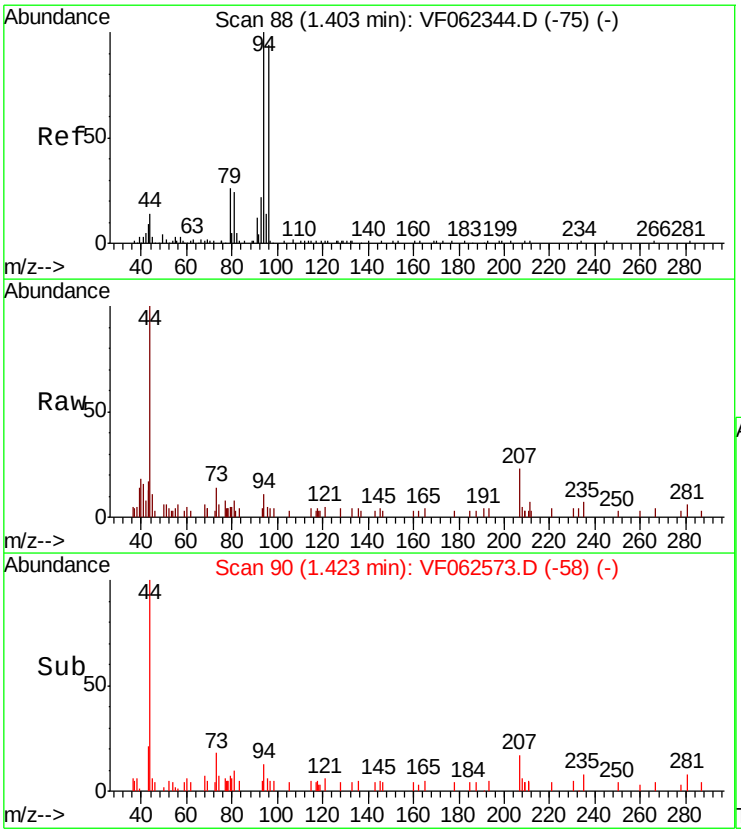
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.03 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion:168 Resp: 47795

Ion	Ratio	Lower	Upper
168	100		
99	53.5	45.9	68.9

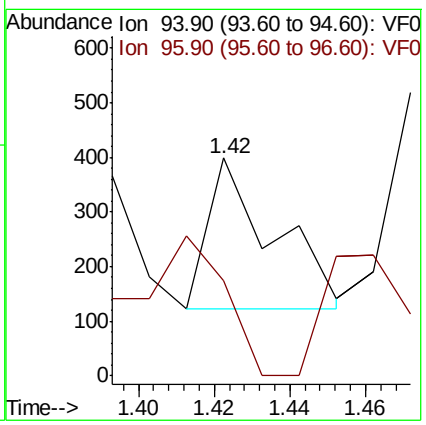


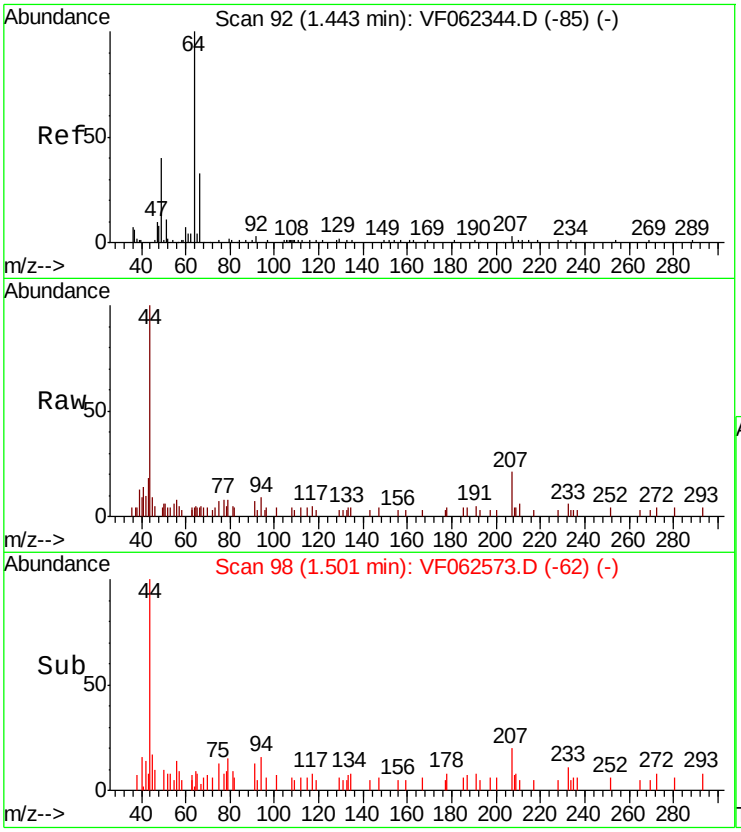


#5
Bromomethane
Concen: Below Cal
RT: 1.42 min Scan# 90
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 94 Resp: 329

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.4	113.2#



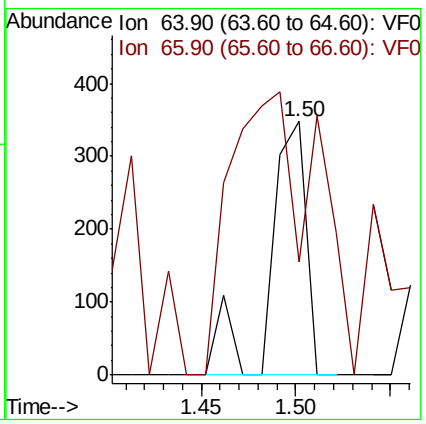


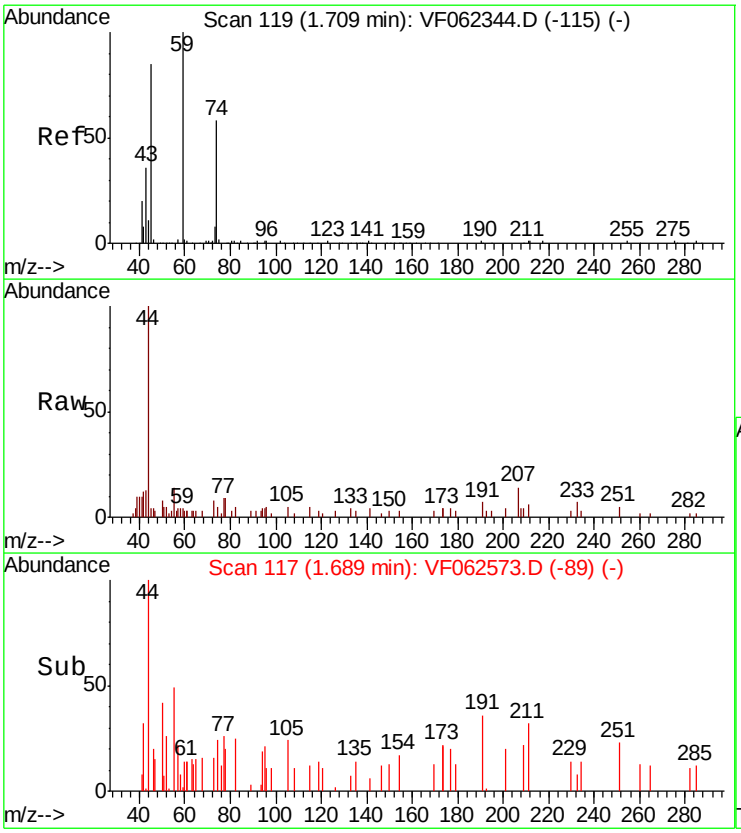
#6
Chloroethane
Concen: 2.454 ug/l
RT: 1.50 min Scan# 98
Delta R.T. 0.06 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 64 Resp: 449

Ion	Ratio	Lower	Upper
64	100		
66	44.5	26.6	39.8#

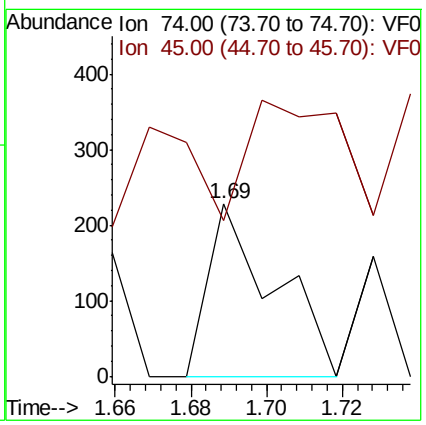


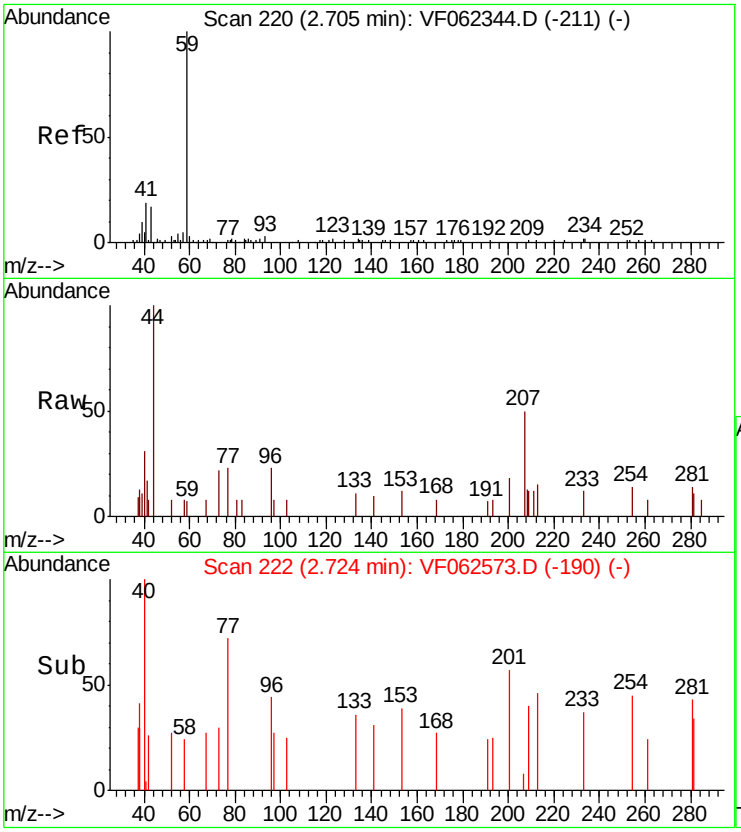


#8
Diethyl Ether
Concen: 2.398 ug/l
RT: 1.69 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 74 Resp: 274

Ion	Ratio	Lower	Upper
74	100		
45	96.0	73.9	221.6



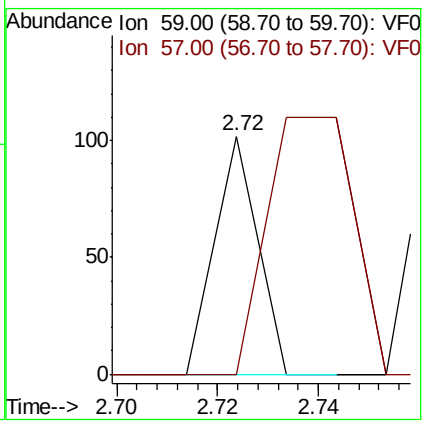


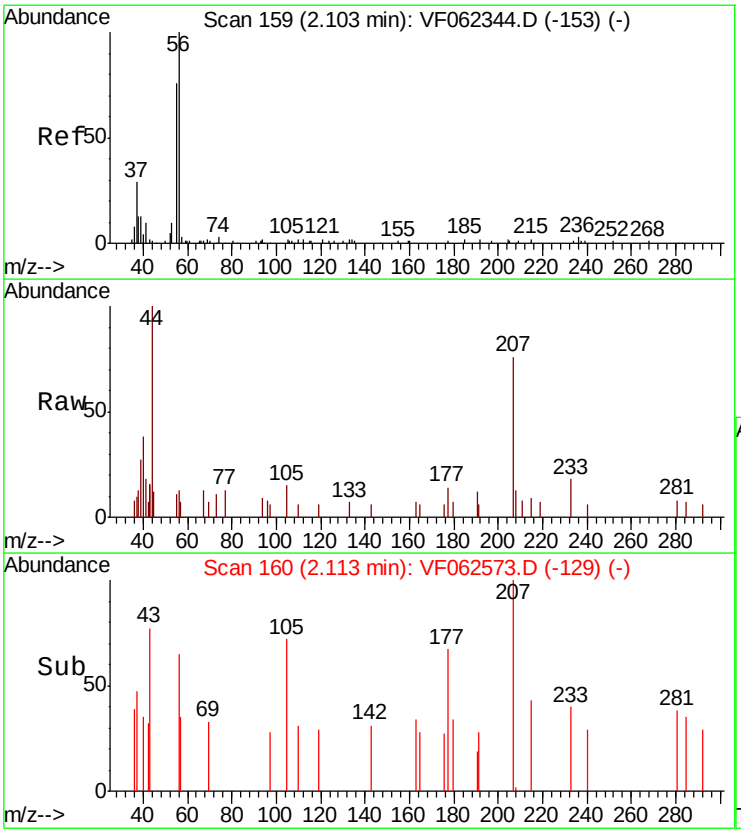
#11
Tert butyl alcohol
Concen: 2.350 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 59 Resp: 60

Ion	Ratio	Lower	Upper
59	100		
57	216.7	9.3	13.9#

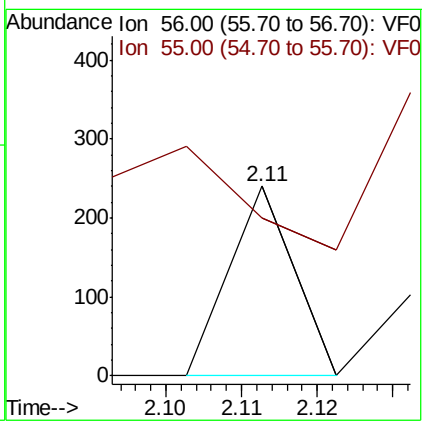


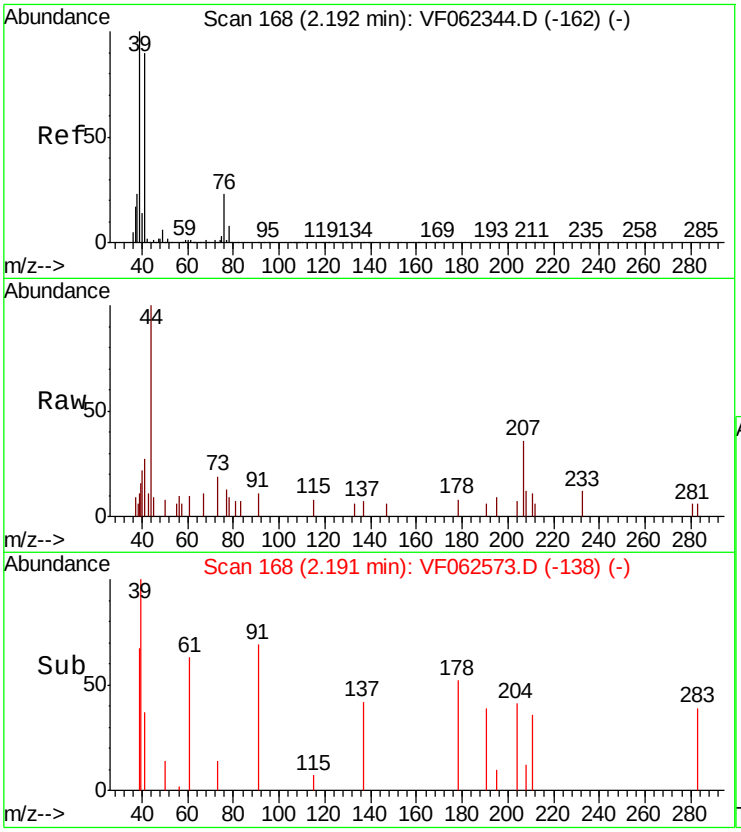


#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 56 Resp: 142

Ion	Ratio	Lower	Upper
56	100		
55	556.3	58.4	87.6#



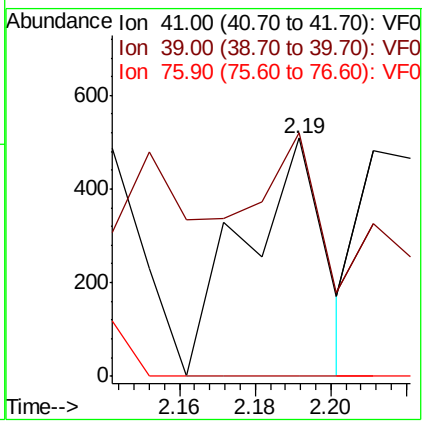


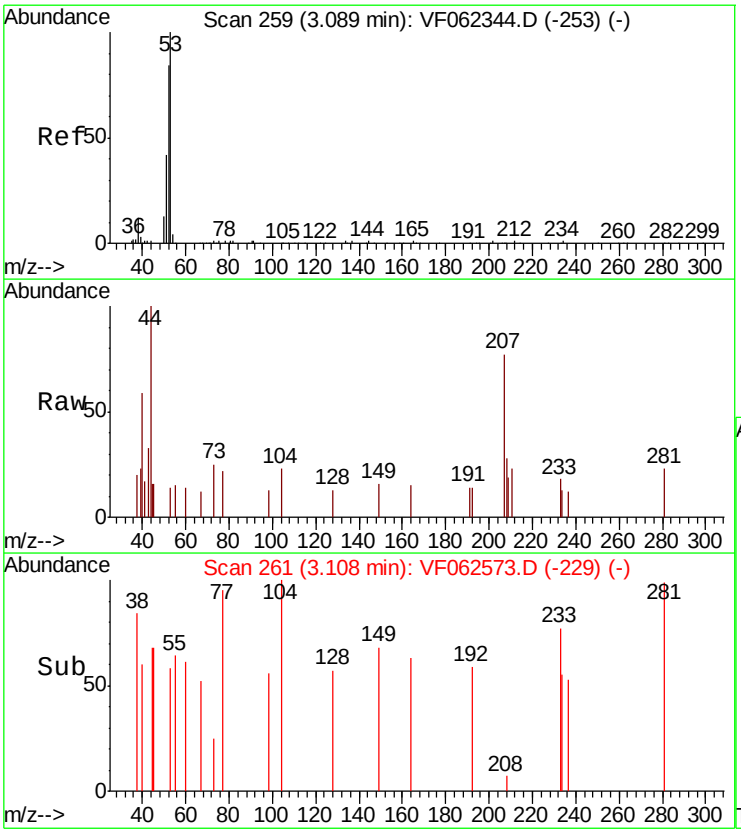
#14
Allyl chloride
Concen: 2.305 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 41 Resp: 746

Ion	Ratio	Lower	Upper
41	100		
39	51.7	90.8	136.2#
76	0.0	22.2	33.4#

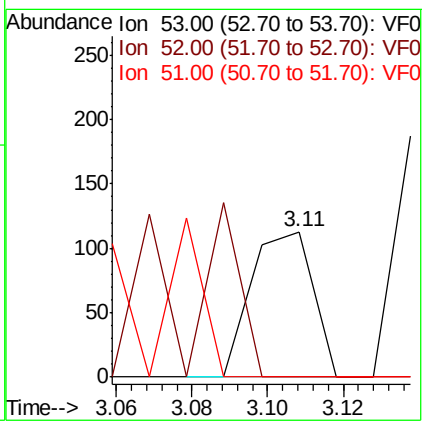


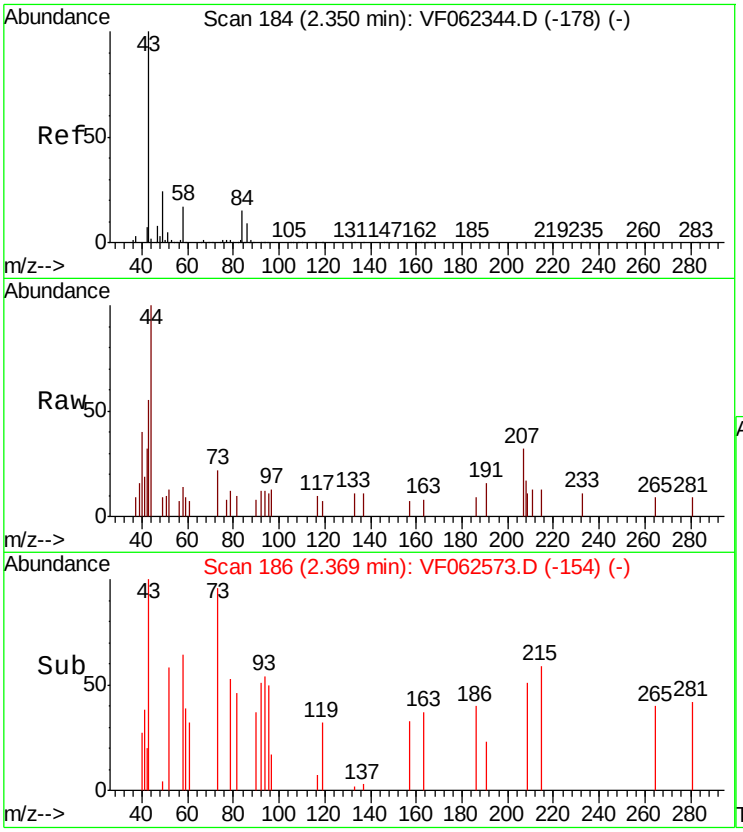


#15
Acrylonitrile
Concen: 2.647 ug/l
RT: 3.11 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 53 Resp: 128

Ion	Ratio	Lower	Upper
53	100		
52	121.9	77.2	115.8#
51	0.0	40.6	61.0#



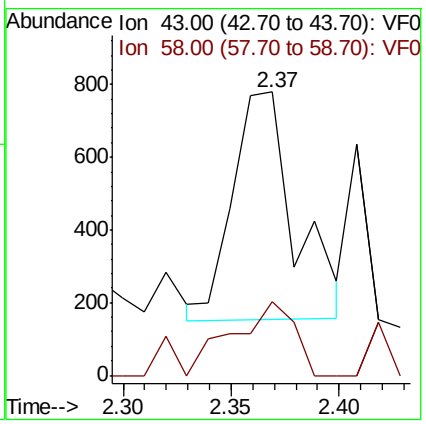


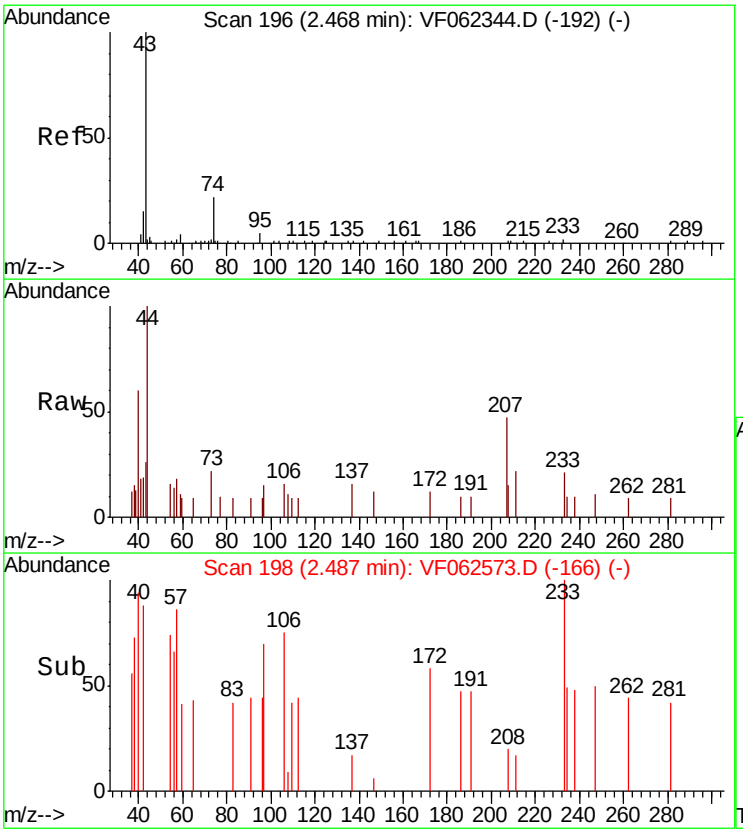
#16
Acetone
Concen: 13.735 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 43 Resp: 1255

Ion	Ratio	Lower	Upper
43	100		
58	34.9	13.1	19.7#

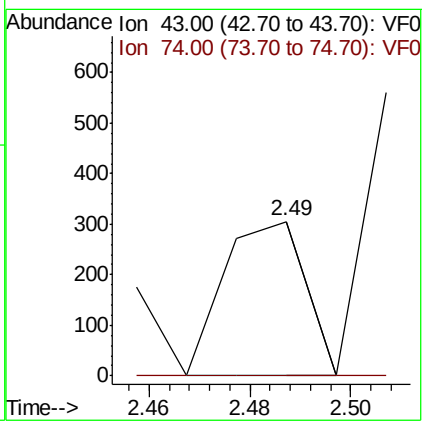


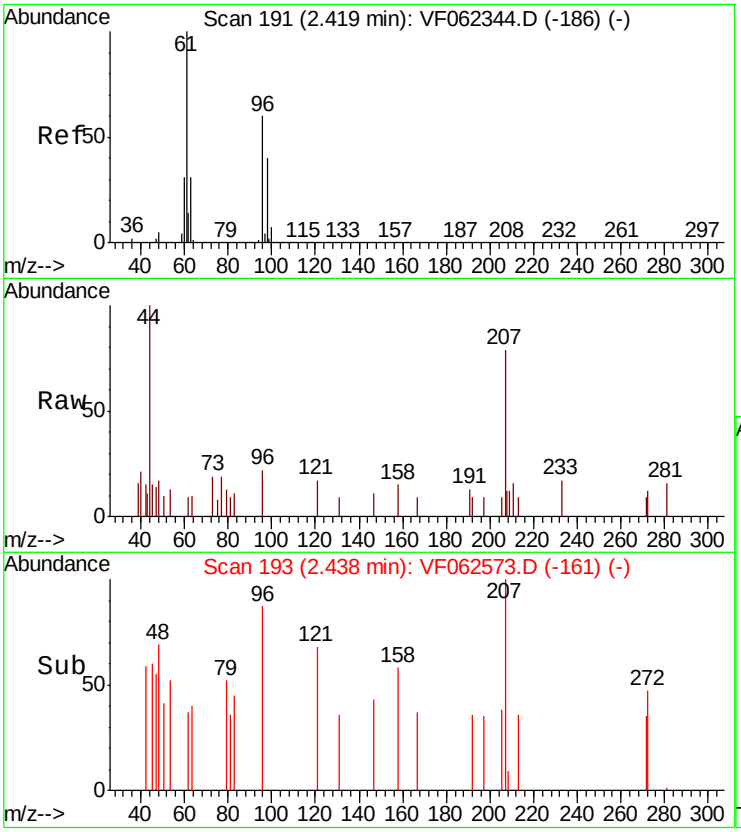


#18
Methyl Acetate
Concen: Below Cal
RT: 2.49 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 341

Ion	Ratio	Lower	Upper
43	100		
74	0.0	15.0	22.4#



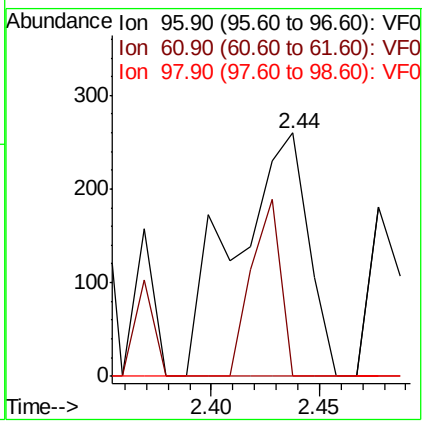


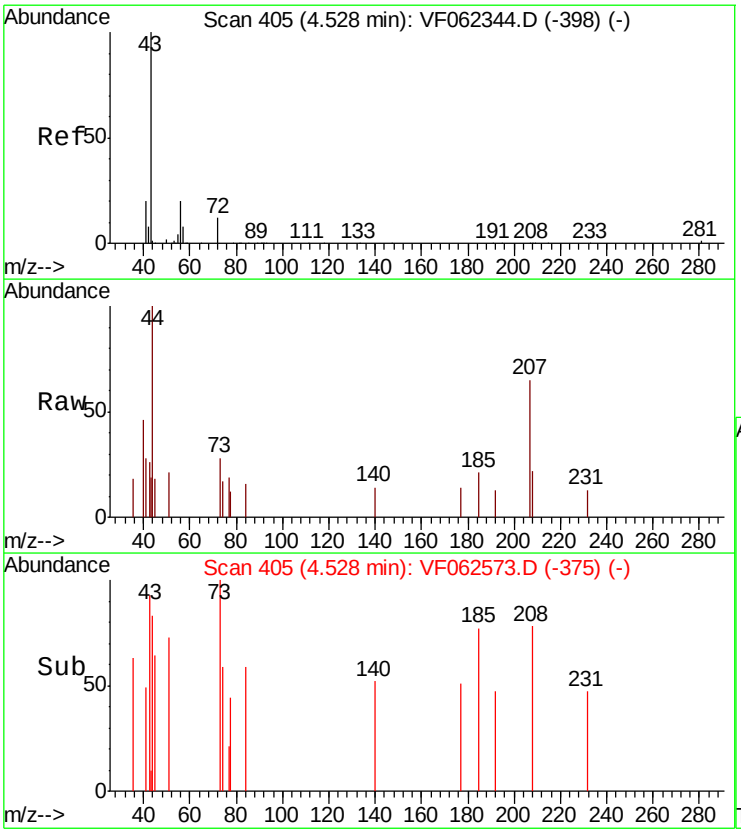
#21
trans-1,2-Dichloroethene
Concen: 1.744 ug/l
RT: 2.44 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 96 Resp: 609

Ion	Ratio	Lower	Upper
96	100		
61	0.0	133.2	199.8#
98	0.0	53.1	79.7#

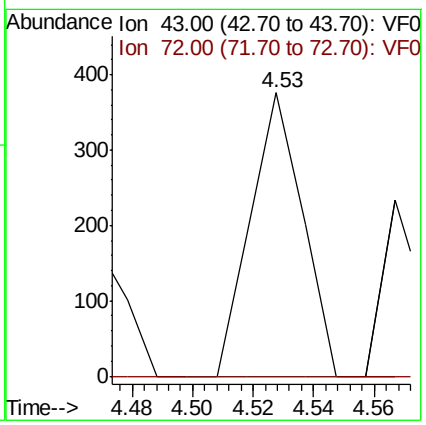


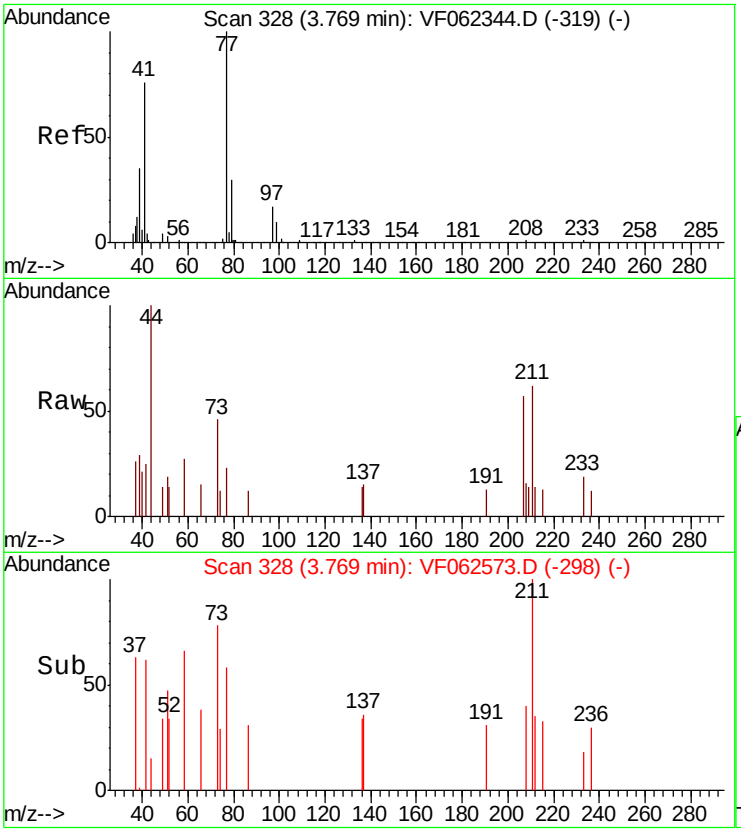


#25
2-Butanone
Concen: 3.929 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 451

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#



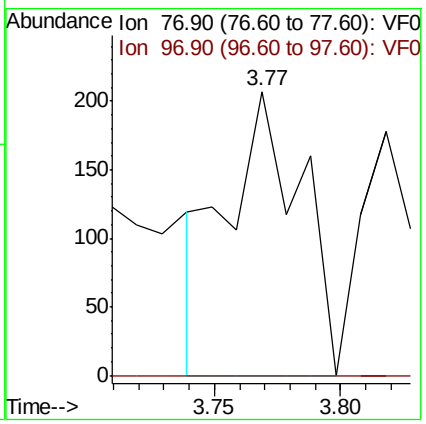


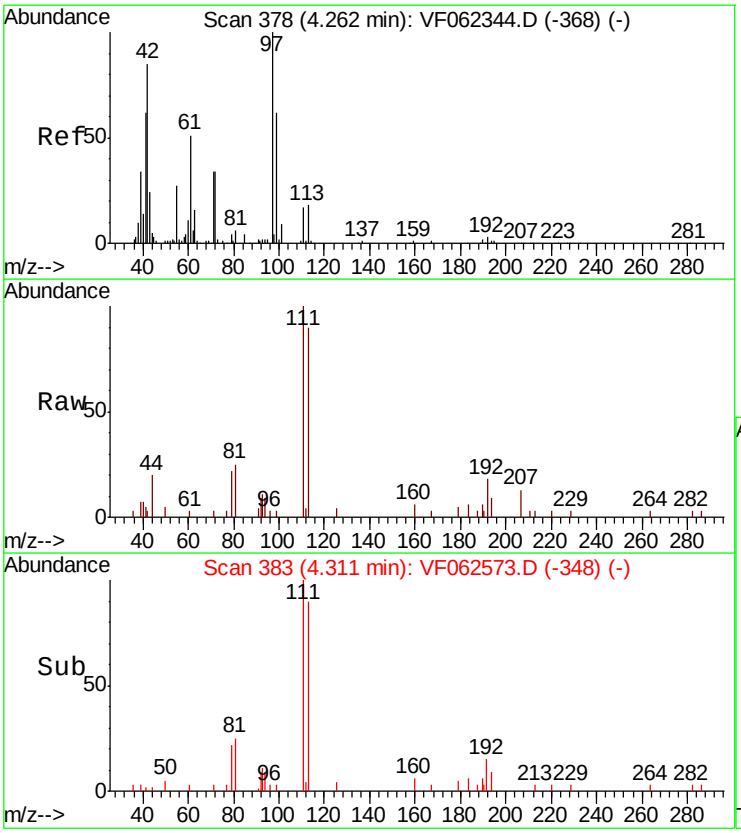
#26
2,2-Dichloropropane
Concen: 1.236 ug/l
RT: 3.77 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument : MSVOA_F
ClientSampleId : P021-SS008-1218-01

Tgt Ion: 77 Resp: 422

Ion	Ratio	Lower	Upper
77	100		
97	0.0	9.5	28.5#

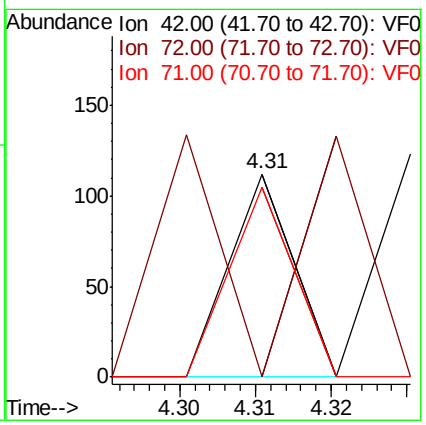


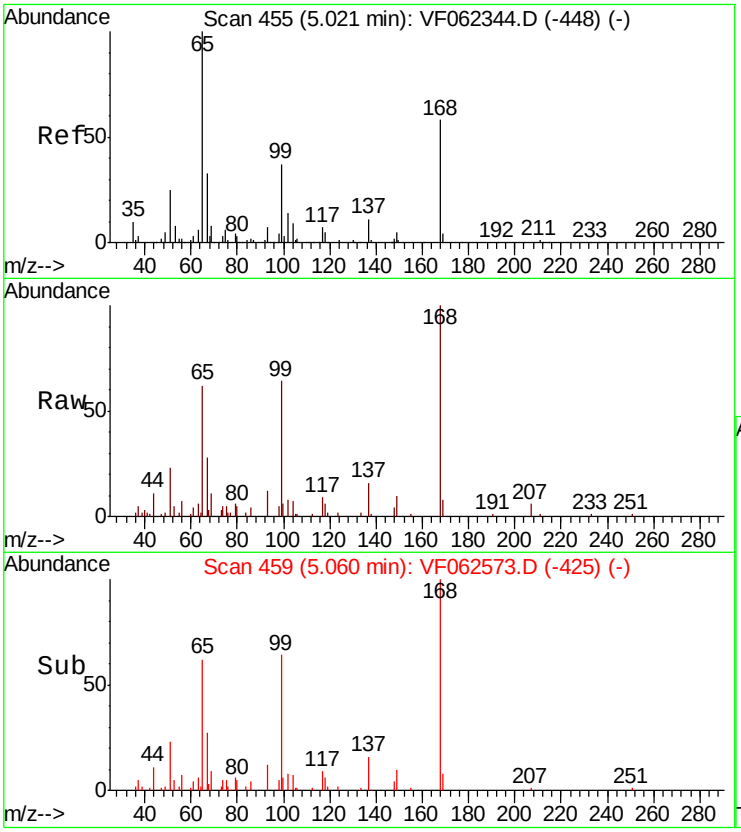


#29
Tetrahydrofuran
Concen: 1.251 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.05 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 42 Resp: 66

Ion	Ratio	Lower	Upper
42	100		
72	239.4	31.4	47.0#
71	93.9	31.7	47.5#



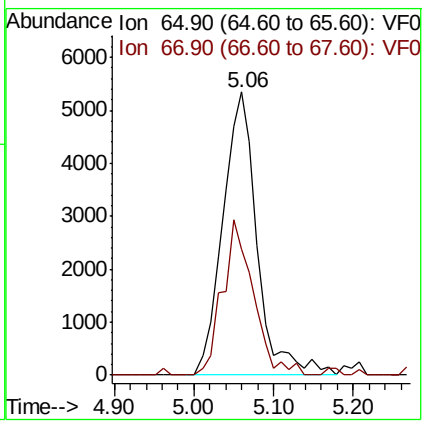


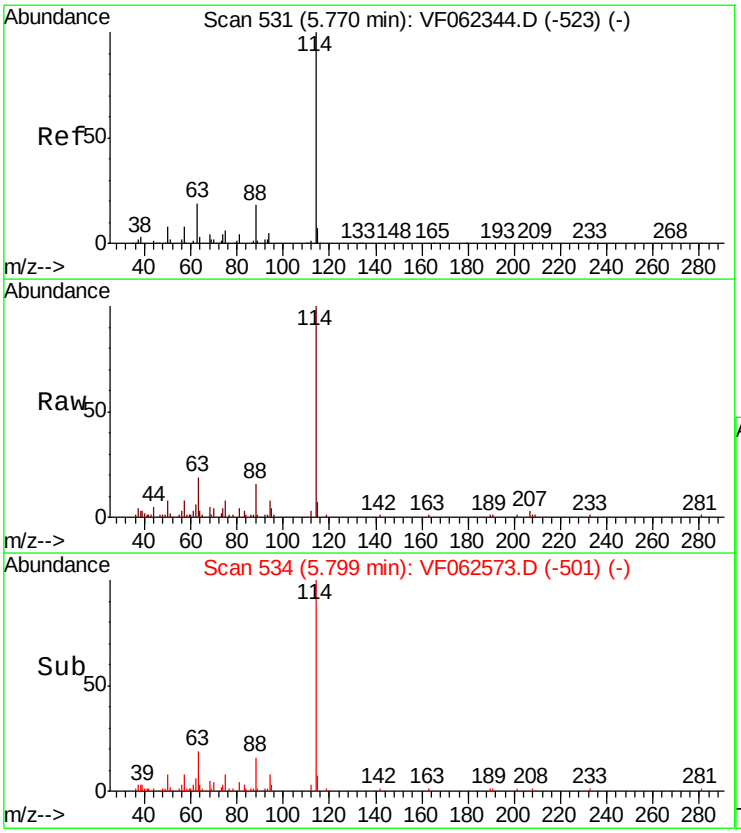
#33
1,2-Dichloroethane-d4
Concen: 35.560 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.04 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 65 Resp: 16062

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	85.8

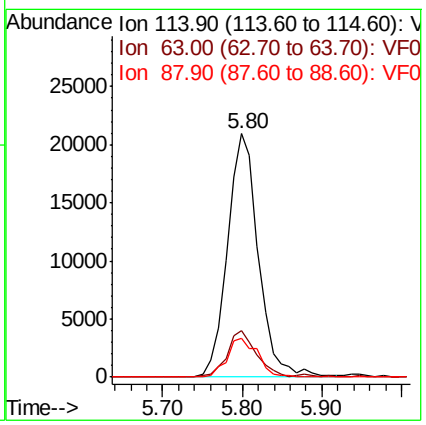


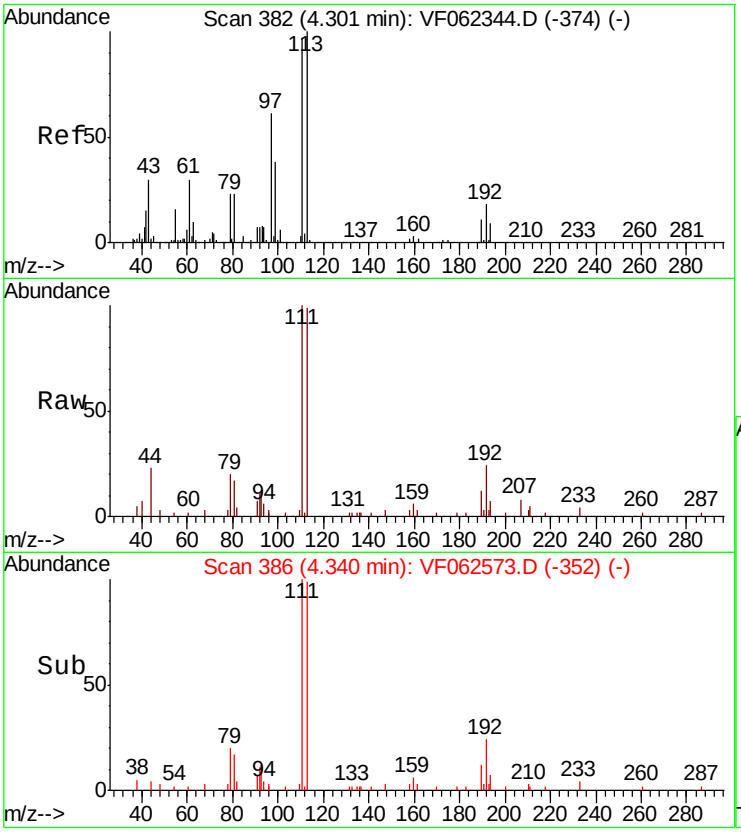


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.03 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion:114 Resp: 56773

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.4
88	16.0	0.0	36.4



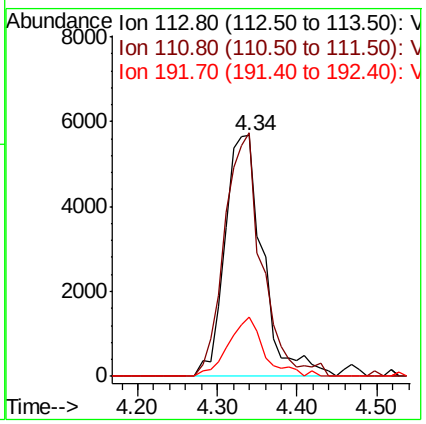


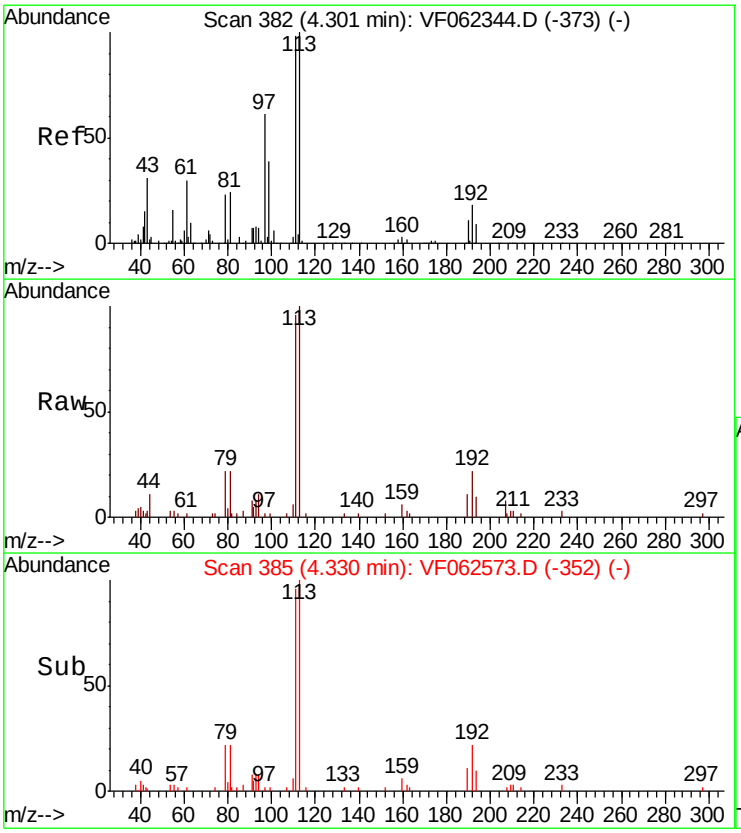
#35
Dibromofluoromethane
Concen: 41.738 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.04 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion:113 Resp: 18878

Ion	Ratio	Lower	Upper
113	100		
111	99.3	79.4	119.0
192	23.2	16.0	24.0

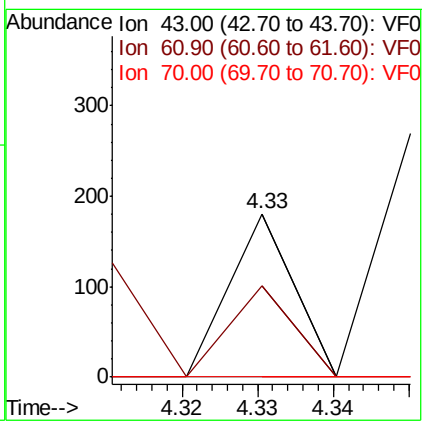


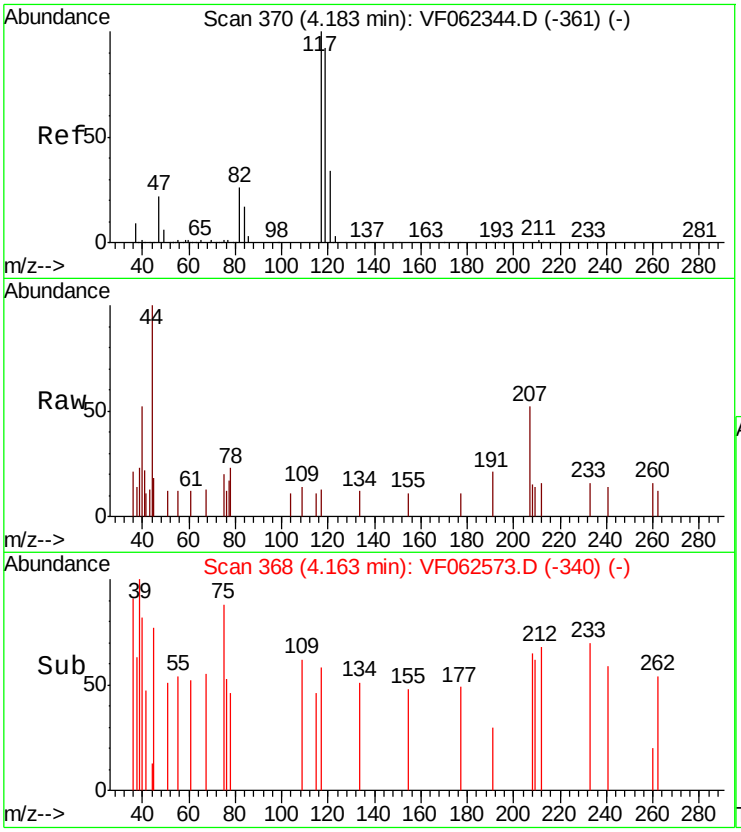


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 107

Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	0.0	8.2	12.2#



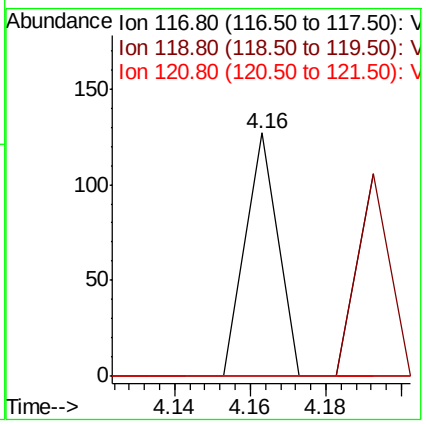


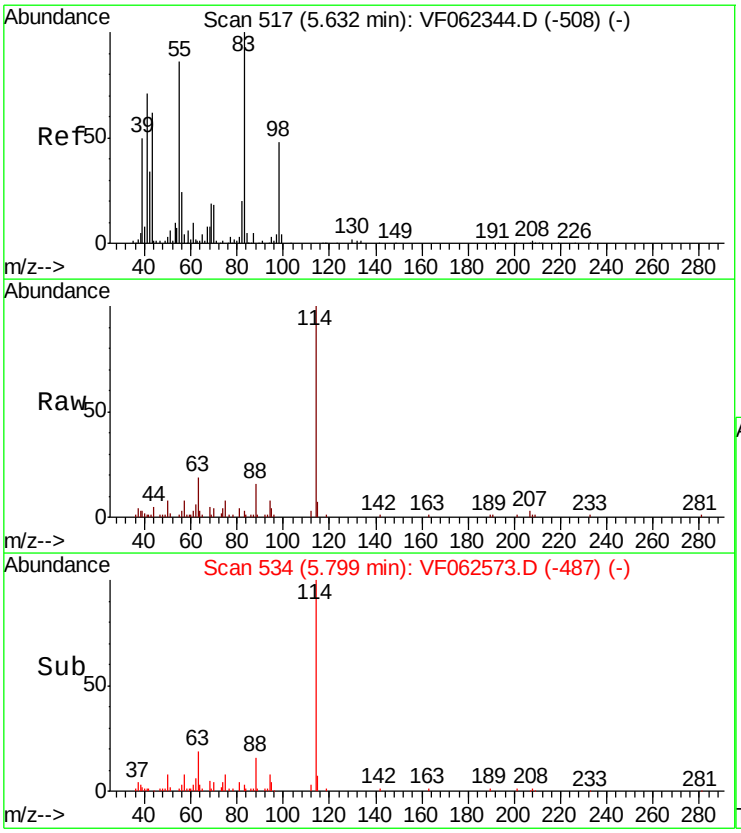
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion:117 Resp: 75

Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	27.4	41.0#

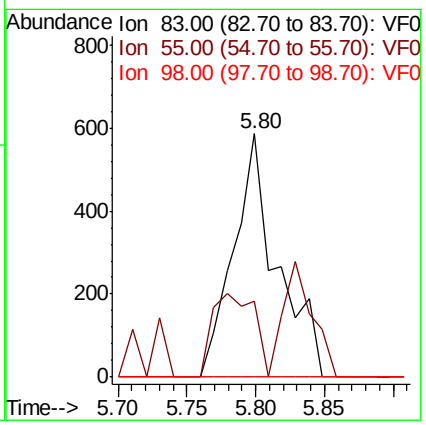


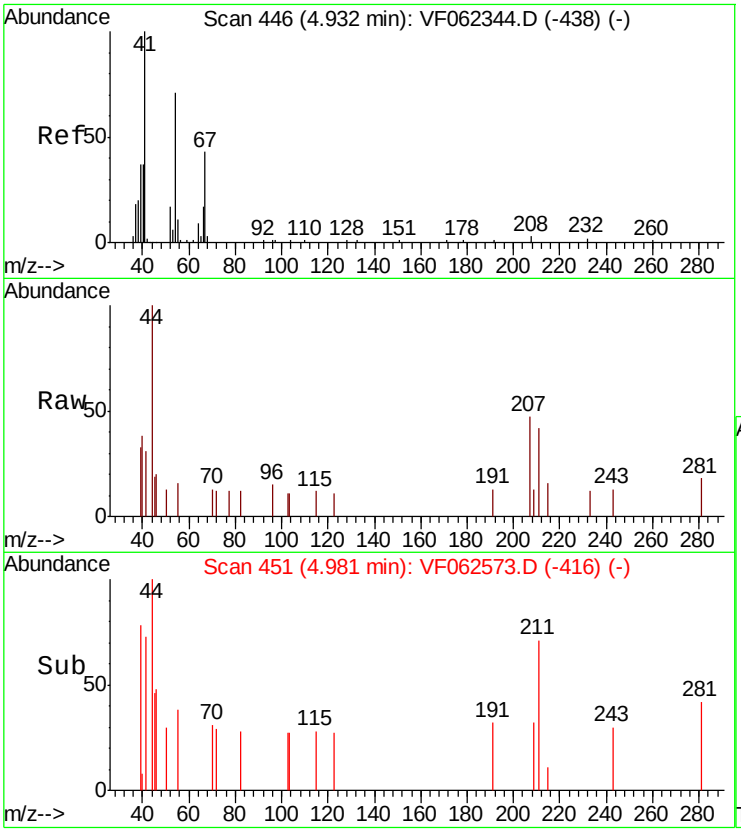


#39
Methylcyclohexane
Concen: 2.631 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.17 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 83 Resp: 1287

Ion	Ratio	Lower	Upper
83	100		
55	31.0	69.0	103.6#
98	0.0	38.6	58.0#



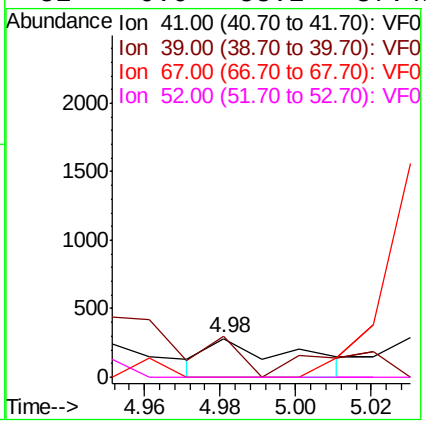


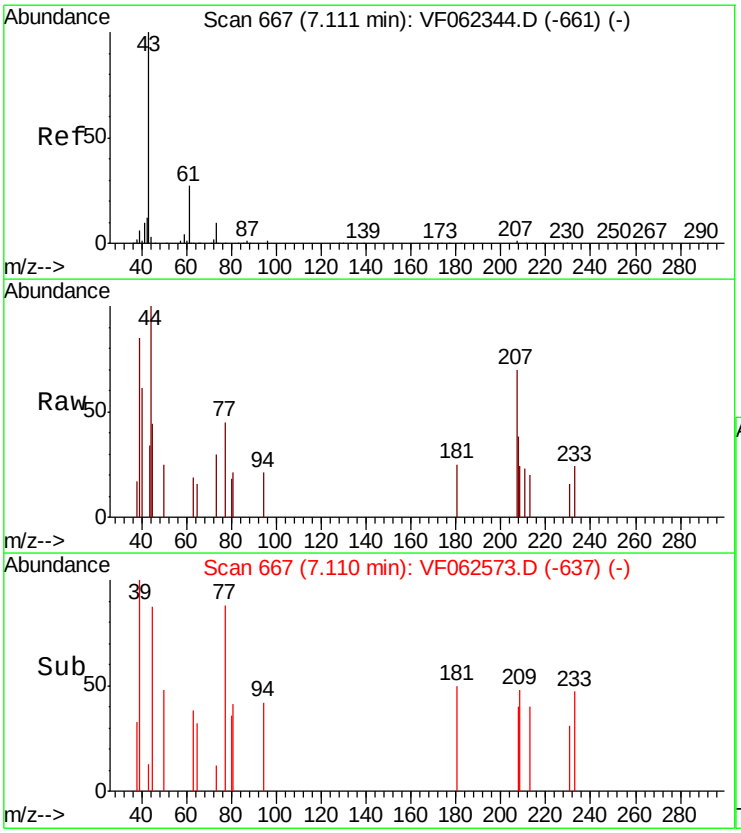
#41
Methacrylonitrile
Concen: 3.848 ug/l
RT: 4.98 min Scan# 451
Delta R.T. 0.05 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 41 Resp: 450

Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	0.0	37.8	56.8#
52	0.0	58.2	87.4#

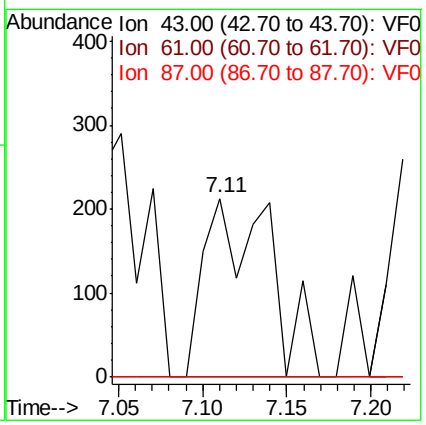


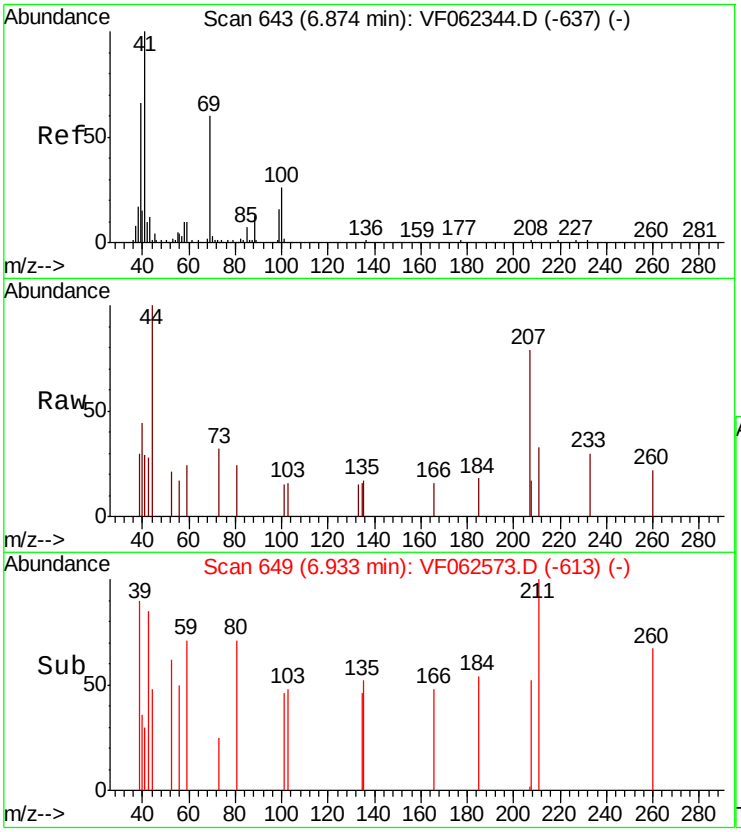


#43
Isopropyl Acetate
Concen: 2.628 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 583

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	0.0	0.6	1.0#



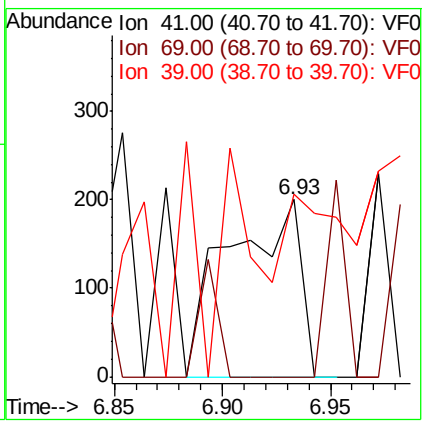


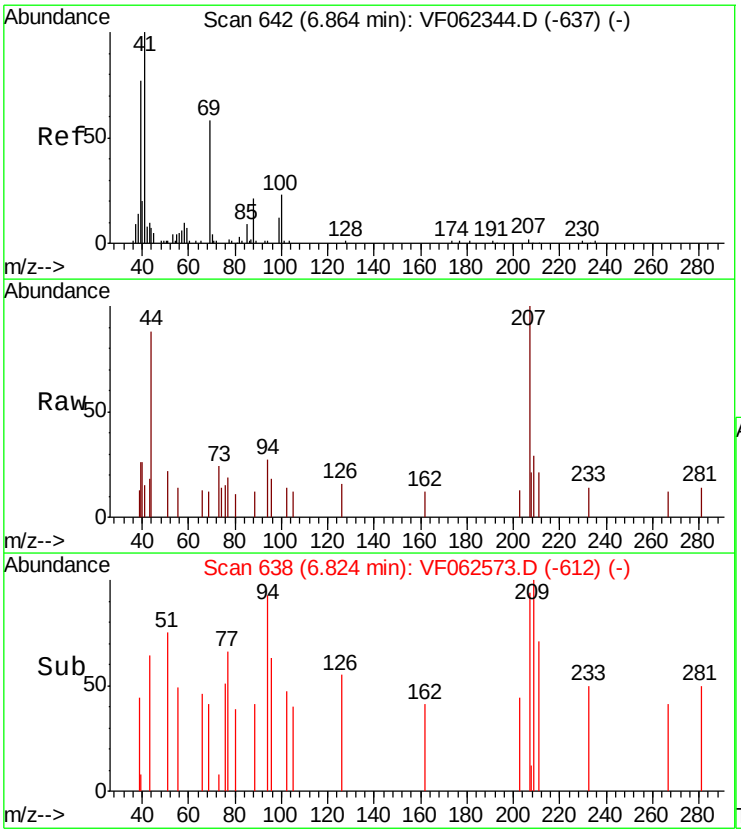
#48
Methyl methacrylate
Concen: 2.947 ug/l
RT: 6.93 min Scan# 649
Delta R.T. 0.06 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument : MSVOA_F
ClientSampleId : P021-SS008-1218-01

Tgt Ion: 41 Resp: 462

Ion	Ratio	Lower	Upper
41	100		
69	28.6	48.6	72.8#
39	37.2	56.1	84.1#

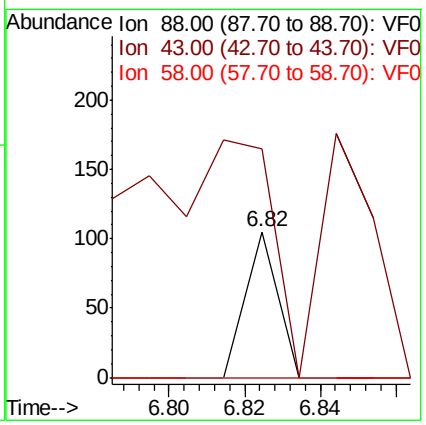


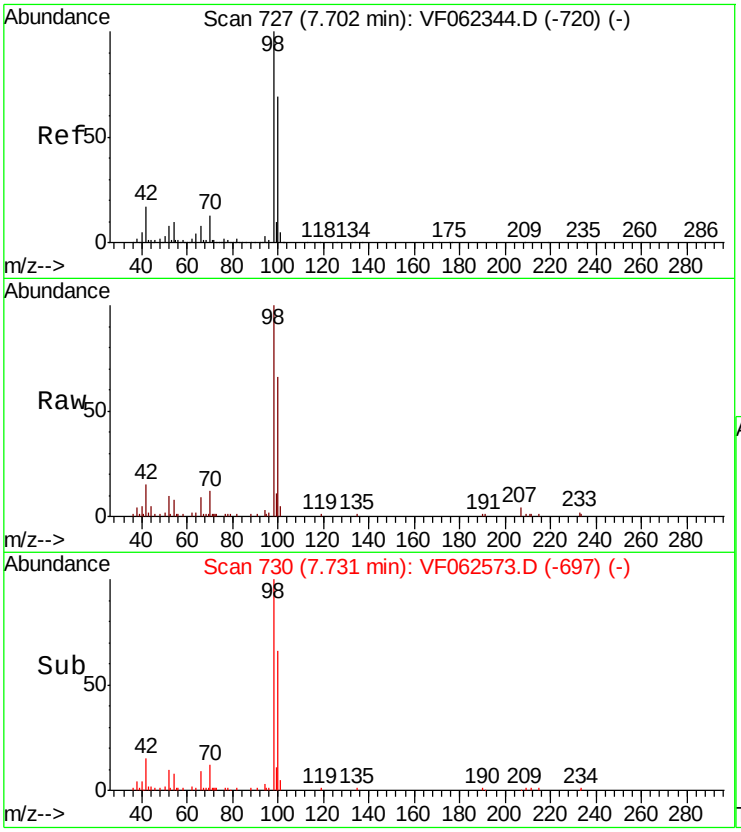


#49
1,4-Dioxane
Concen: 25.723 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.04 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	277.4	55.6	83.4#
58	0.0	52.8	79.2#



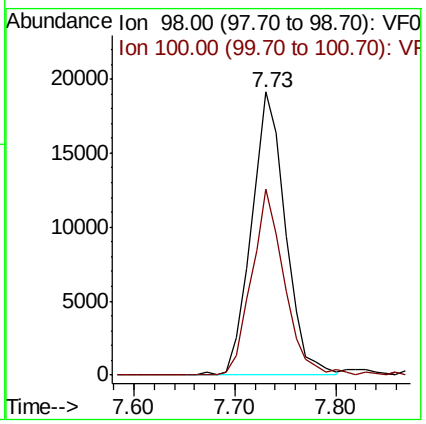


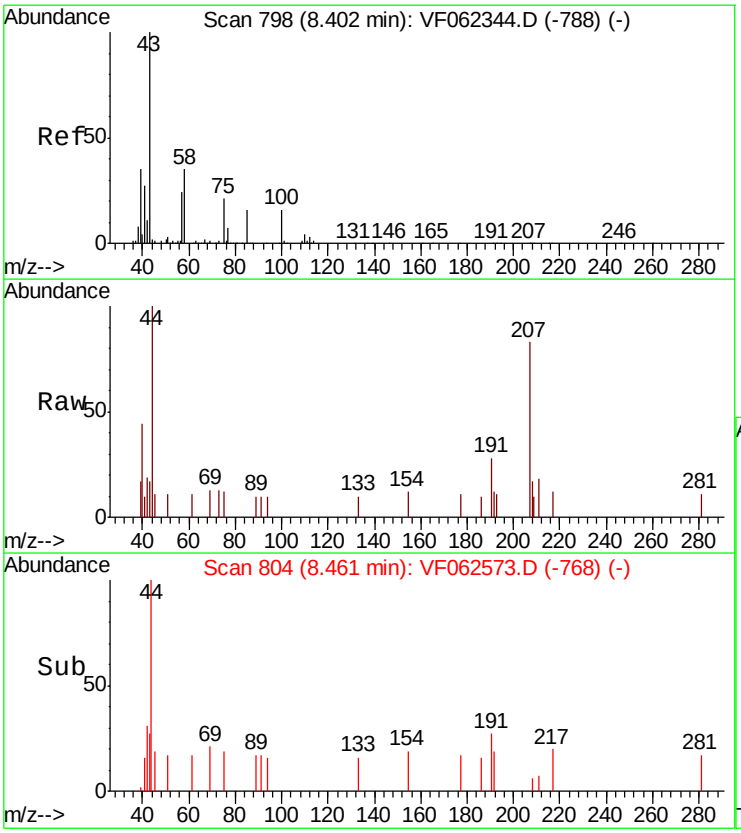
#50
Toluene-d8
Concen: 40.897 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument : MSVOA_F
ClientSampleId : P021-SS008-1218-01

Tgt Ion: 98 Resp: 44777

Ion	Ratio	Lower	Upper
98	100		
100	63.0	53.3	79.9

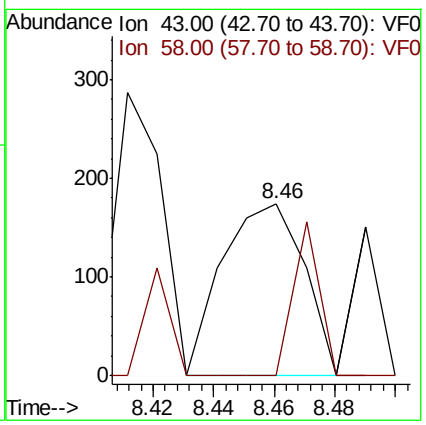


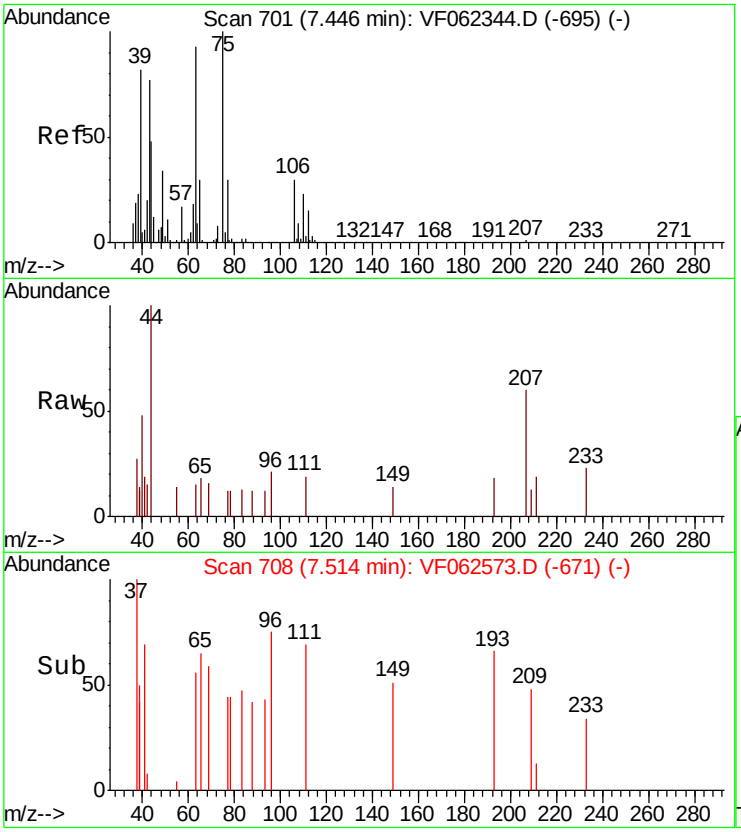


#51
4-Methyl-2-Pentanone
Concen: 1.939 ug/l
RT: 8.46 min Scan# 804
Delta R.T. 0.06 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 326

Ion	Ratio	Lower	Upper
43	100		
58	28.2	27.8	41.6



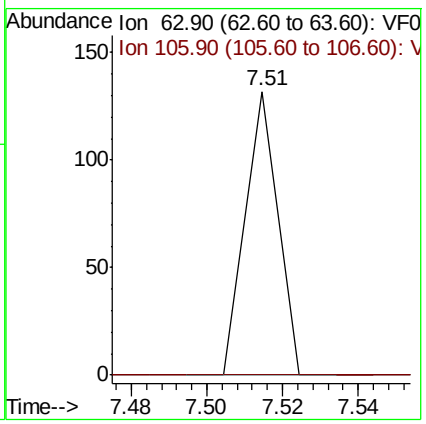


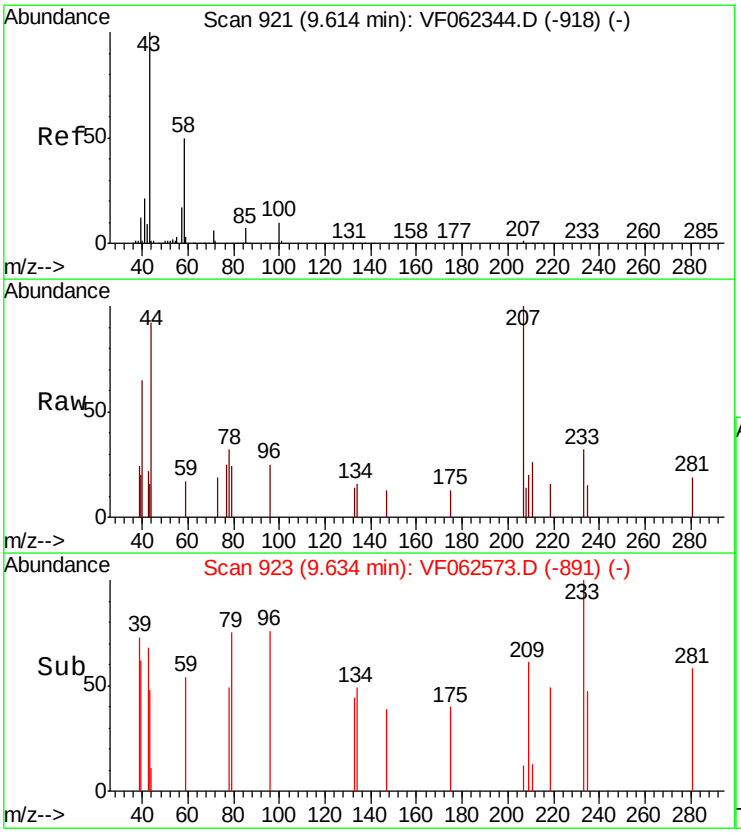
#58
2-Chloroethyl Vinyl ether
Concen: 1.169 ug/l
RT: 7.51 min Scan# 708
Delta R.T. 0.07 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 63 Resp: 78

Ion	Ratio	Lower	Upper
63	100		
106	0.0	25.8	38.8#

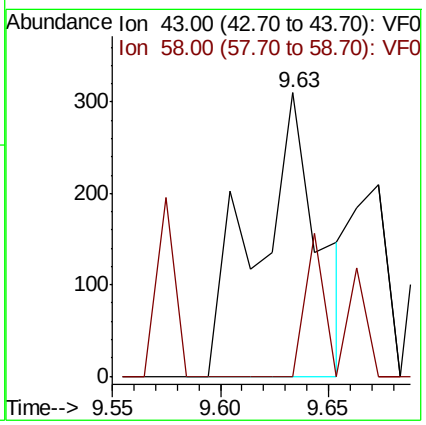


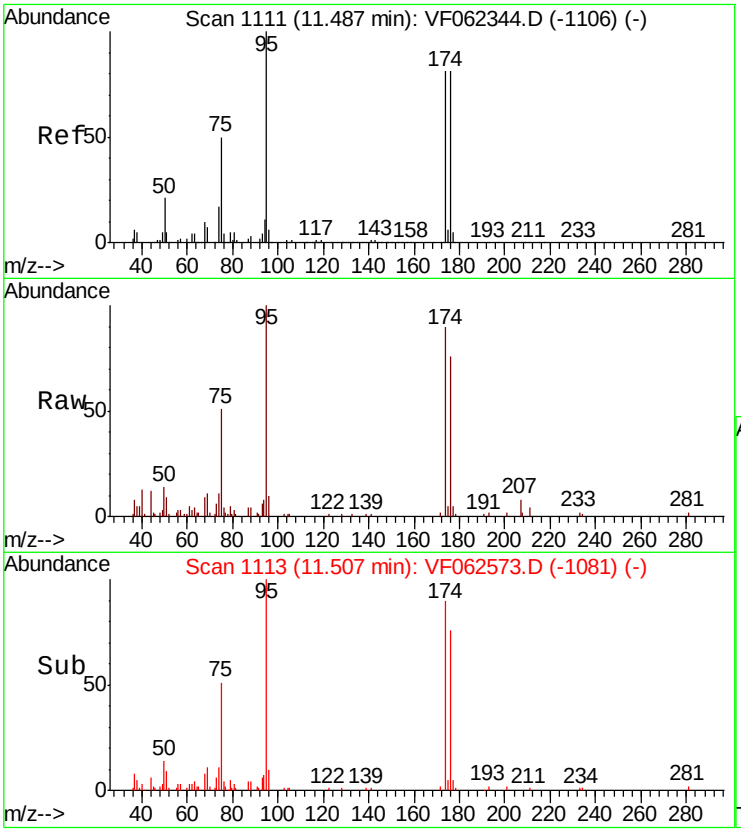


#59
2-Hexanone
Concen: 5.325 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 619

Ion	Ratio	Lower	Upper
43	100		
58	26.3	24.3	73.0



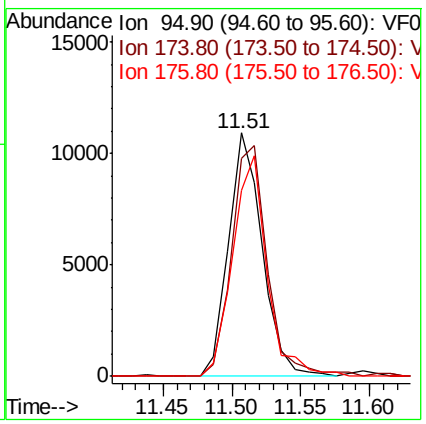


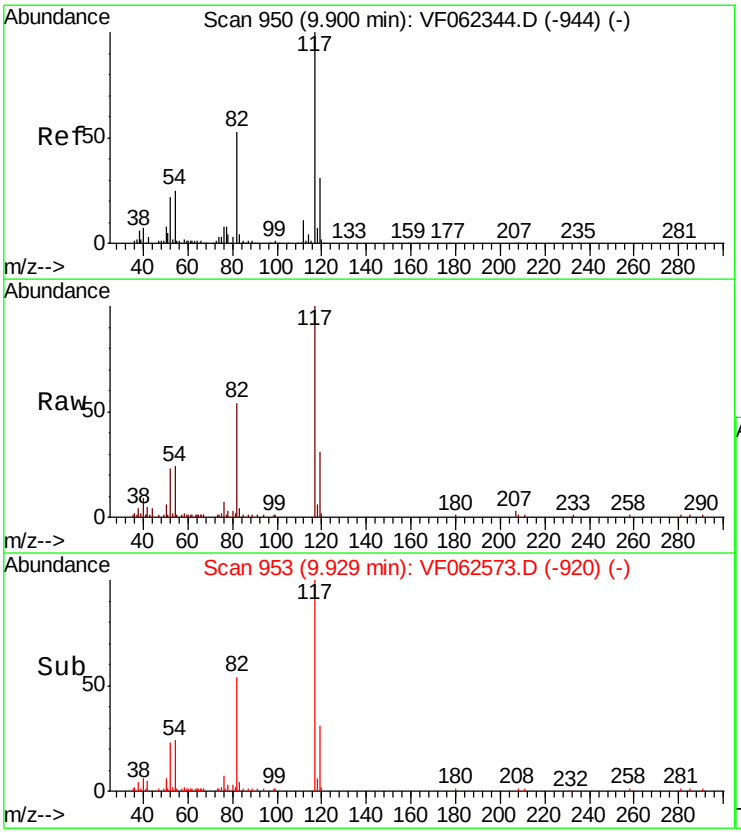
#62
4-Bromofluorobenzene
Concen: 37.796 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 95 Resp: 18670

Ion	Ratio	Lower	Upper
95	100		
174	100.8	0.0	191.8
176	92.4	0.0	193.2

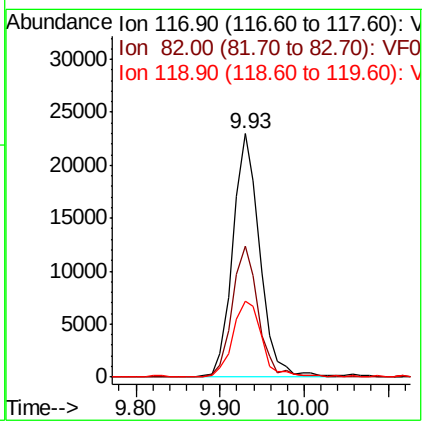


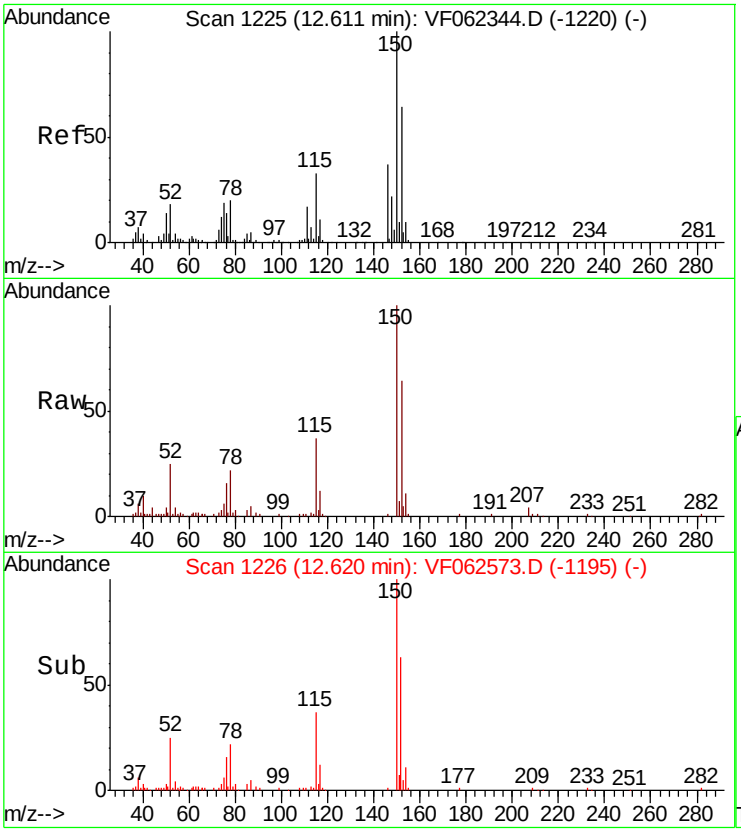


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion:117 Resp: 51181

Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.2
119	30.9	25.0	37.4



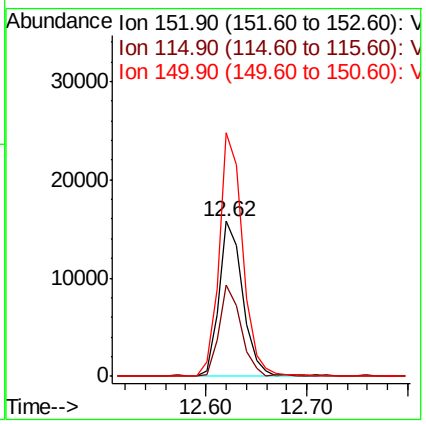


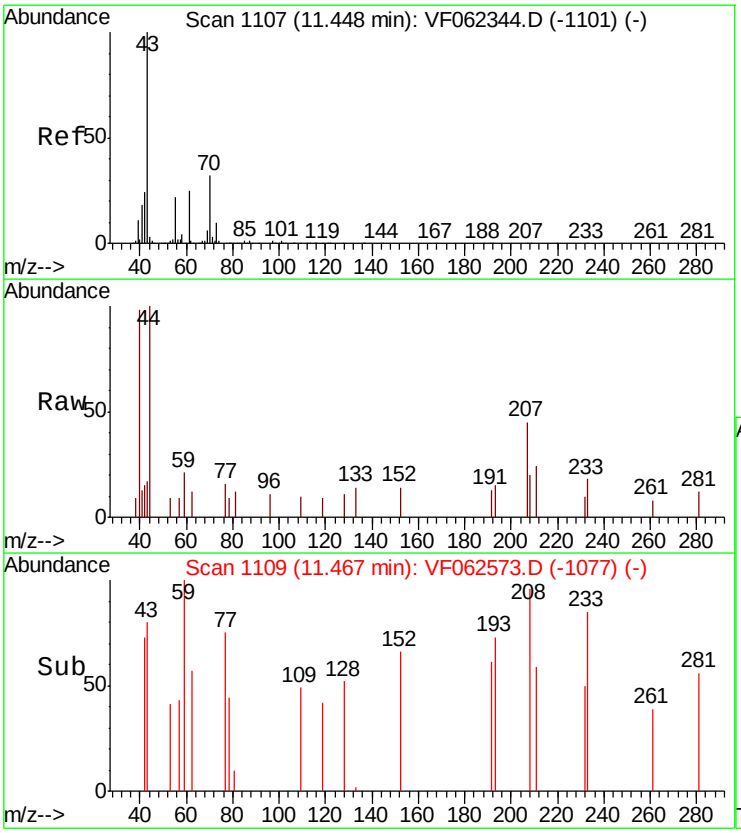
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion:152 Resp: 25935

Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.4	79.2
150	155.6	0.0	335.0

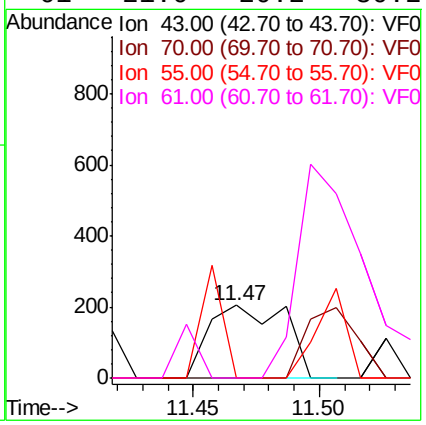


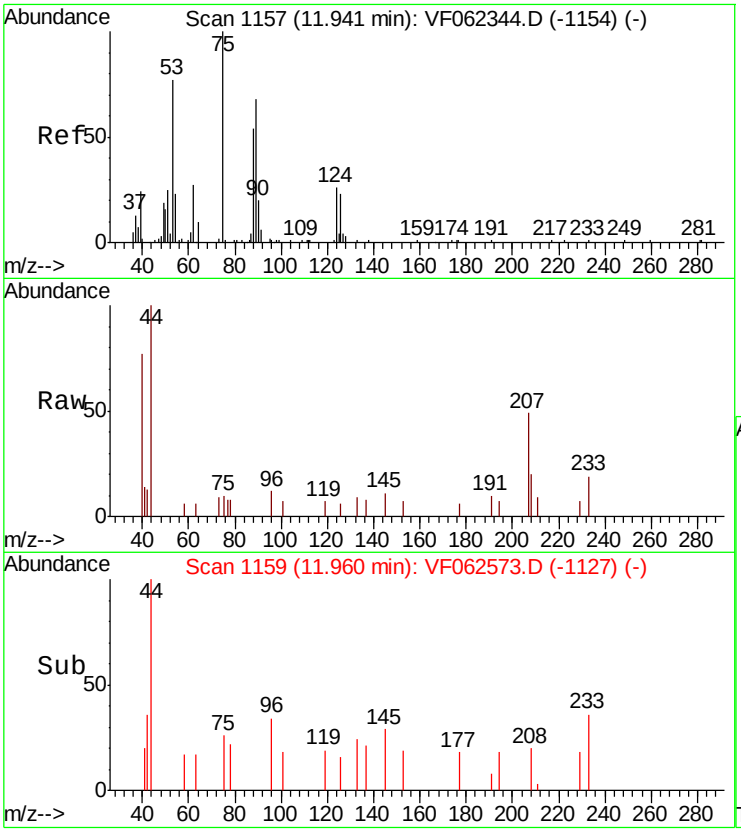


#74
N-amyl acetate
Concen: 1.300 ug/l
RT: 11.47 min Scan# 1109
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 43 Resp: 429

Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.5	39.7#
55	43.8	17.8	26.6#
61	21.0	20.2	30.2



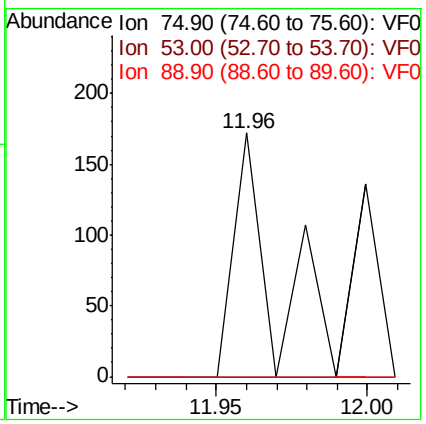


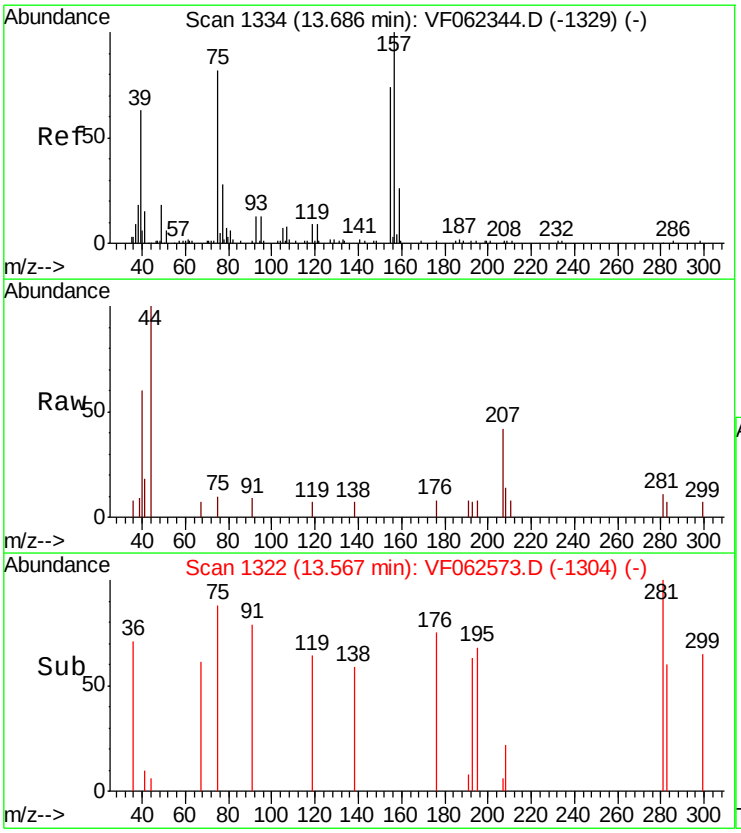
#81
trans-1,4-Dichloro-2-butene
Concen: 2.390 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Instrument :
MSVOA_F
ClientSampleId :
P021-SS008-1218-01

Tgt Ion: 75 Resp: 165

Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.9	107.9#
89	0.0	0.0	0.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 2.855 ug/l
RT: 13.57 min Scan# 1322
Delta R.T. -0.12 min
Lab File: VF062573.D
Acq: 14 May 2019 7:18

Tgt Ion: 75 Resp: 154

Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.8	155.4#
157	0.0	67.3	201.8#