Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051219\
Data File : VF062534.D
Acq On : 13 May 2019 7:07
Operator : FY/SY
Sample : K2734-15RE
Misc : 5.20g/5mL/MSVOA_F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : P026-SS013-1824-01RE

Quant Time: May 13 07:33:43 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	74348	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	89131	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	72457	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	32746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	26494	37.71	ug/l	0.03
Spiked Amount 50.000			Recovery = 75.42%			
35) Dibromofluoromethane	4.33	113	34166	48.11	ug/l	0.03
Spiked Amount 50.000			Recovery = 96.22%			
50) Toluene-d8	7.73	98	67396	39.21	ug/l	0.03
Spiked Amount 50.000			Recovery = 78.42%			
62) 4-Bromofluorobenzene	11.51	95	25091	32.35	ug/l	0.02
Spiked Amount 50.000			Recovery = 64.70%			
Target Compounds						Qvalue
5) Bromomethane	1.42	94	470	Below Cal	#	3
8) Diethyl Ether	1.59	74	399	2.245	ug/l	68
11) Tert butyl alcohol	2.70	59	1040	26.190	ug/l #	1
13) Acrolein	2.11	56	323	Below Cal	#	1
14) Allyl chloride	2.21	41	708	1.406	ug/l #	80
15) Acrylonitrile	3.12	53	568	7.551	ug/l #	51
16) Acetone	2.35	43	764	5.375	ug/l	93
18) Methyl Acetate	2.49	43	578	Below Cal	#	58
20) Methylene Chloride	2.31	84	1801	3.502	ug/l #	81
21) trans-1,2-Dichloroethene	2.39	96	547	1.007	ug/l #	45
25) 2-Butanone	4.55	43	740	4.144	ug/l #	60
29) Tetrahydrofuran	4.30	42	502	6.117	ug/l #	63
37) Ethyl Acetate	4.28	43	736	Below Cal	#	76
38) Carbon Tetrachloride	4.21	117	62	Below Cal	#	14
39) Methylcyclohexane	5.80	83	2151	2.801	ug/l #	23
41) Methacrylonitrile	4.97	41	438	2.386	ug/l #	26
43) Isopropyl Acetate	7.18	43	511	1.467	ug/l #	72
48) Methyl methacrylate	6.91	41	496	2.015	ug/l #	48
49) 1,4-Dioxane	6.94	88	65	12.779	ug/l #	16
59) 2-Hexanone	9.50	43	509	2.789	ug/l	69
81) trans-1,4-Dichloro-2-buten	11.96	75	93	1.067	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.68	75	69	1.013	ug/l #	1

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

Quantitation Report (Not Reviewed)

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Instrument :
MSVOA_F
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P026-SS013-1824-01RE

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
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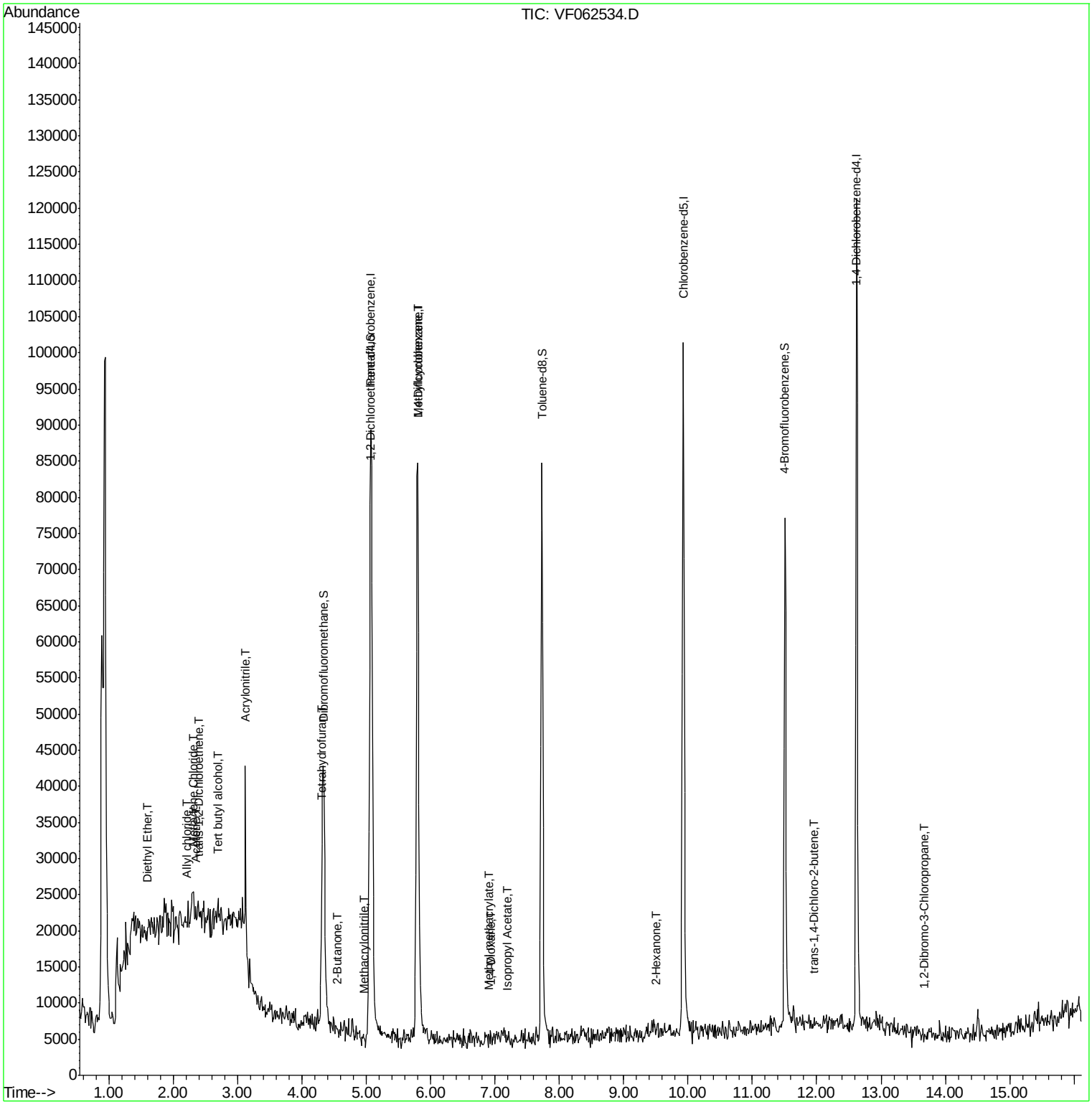
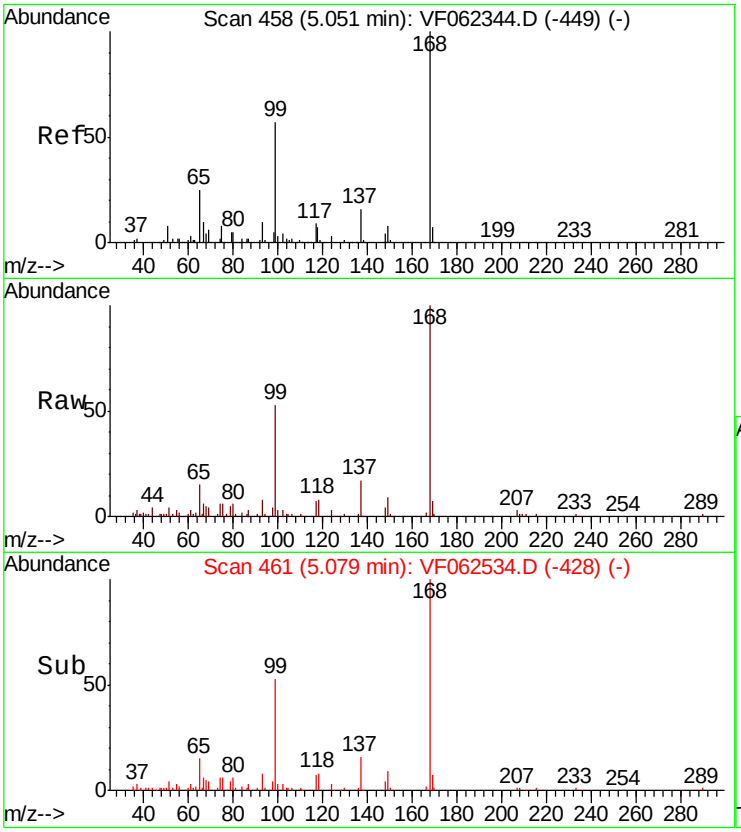


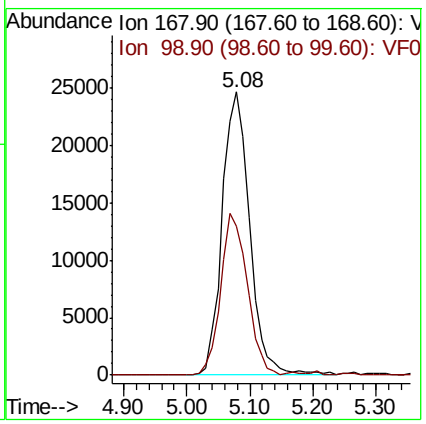


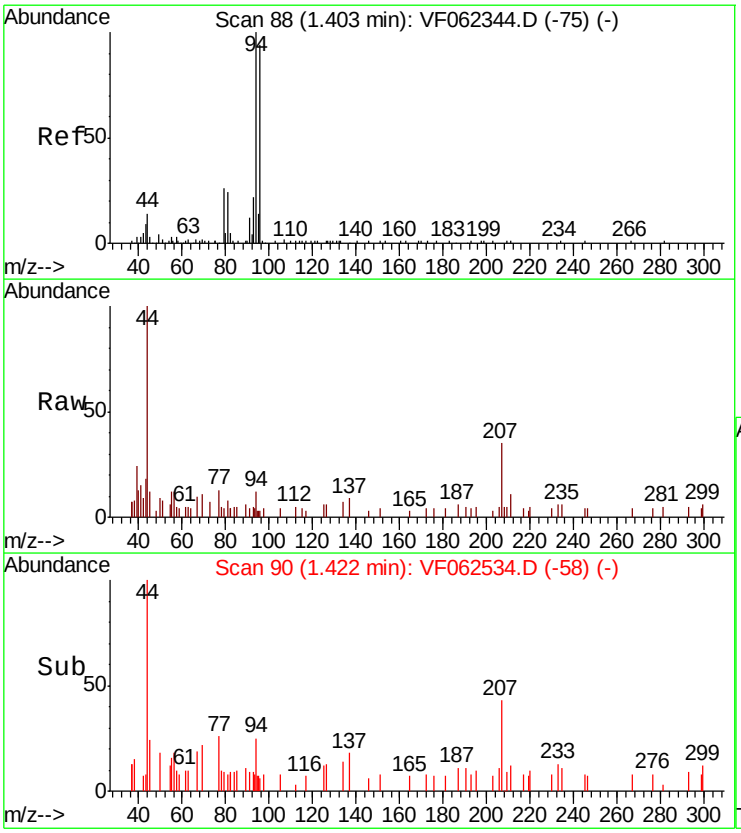
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion:168 Resp: 74348

Ion	Ratio	Lower	Upper
168	100		
99	52.8	45.9	68.9

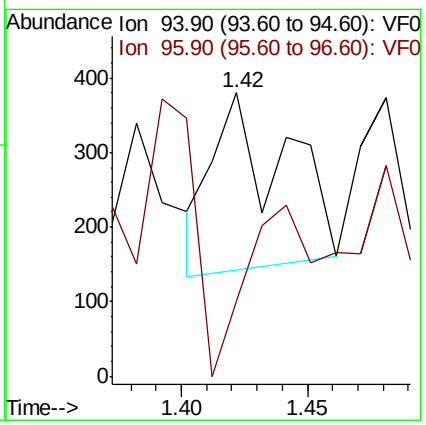


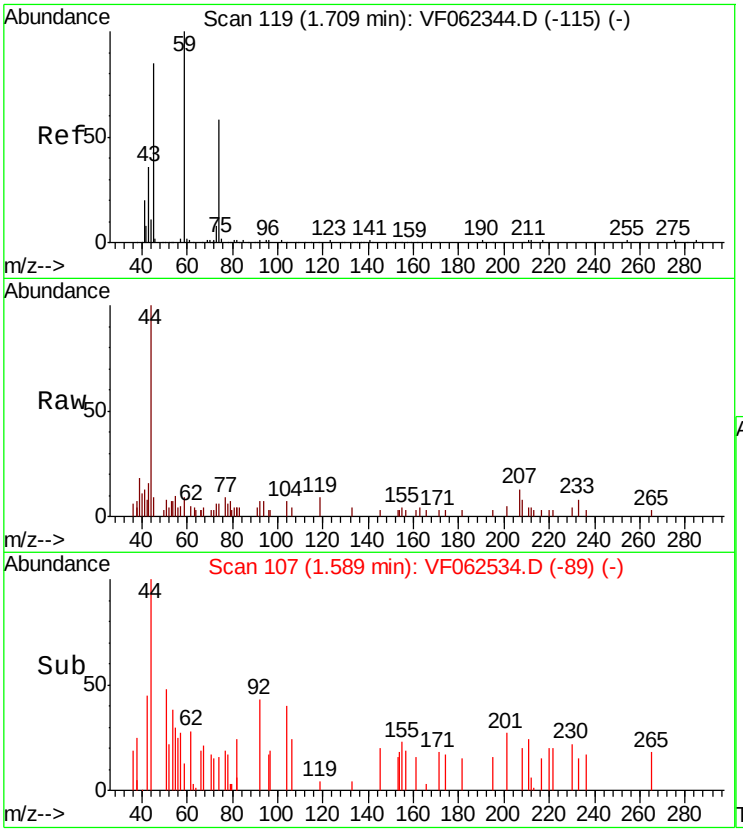


#5
Bromomethane
Concen: Below Cal
RT: 1.42 min Scan# 90
Delta R.T. 0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 94 Resp: 470

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.4	113.2#



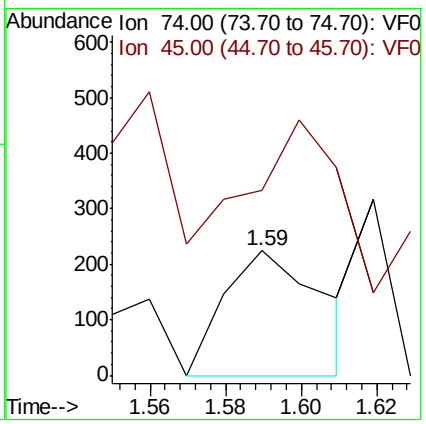


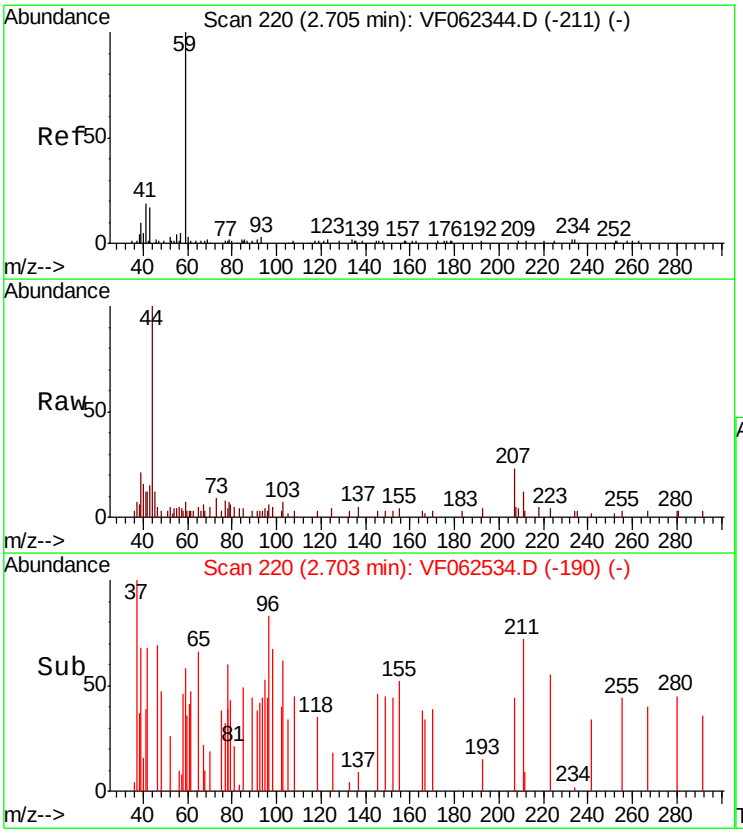
#8
Diethyl Ether
Concen: 2.245 ug/l
RT: 1.59 min Scan# 107
Delta R.T. -0.12 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 74 Resp: 399

Ion	Ratio	Lower	Upper
74	100		
45	107.3	73.9	221.6

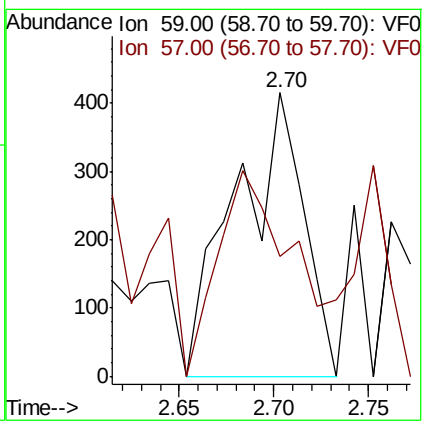


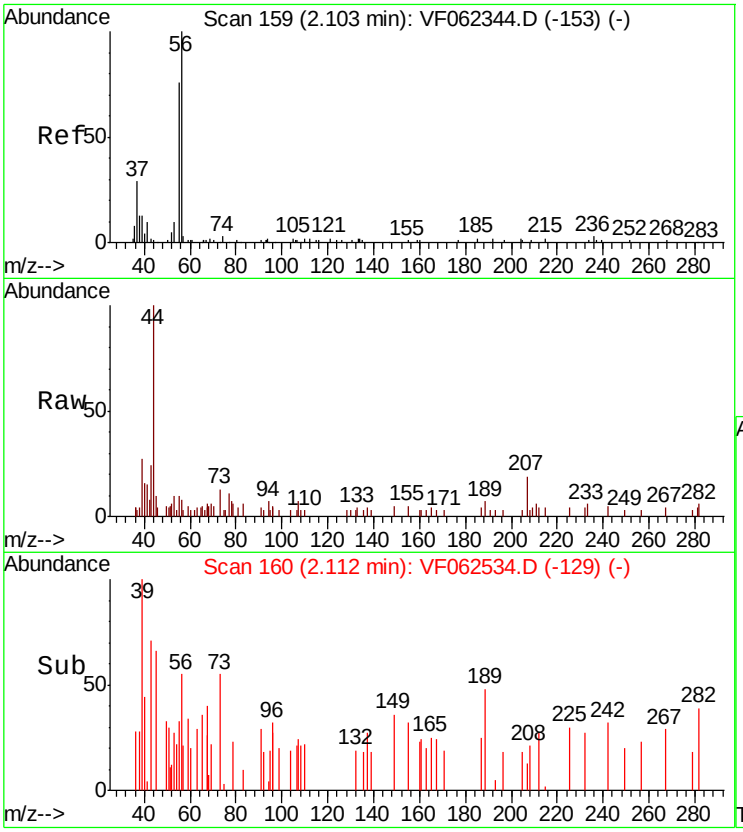


#11
Tert butyl alcohol
Concen: 26.190 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 59 Resp: 1040

Ion	Ratio	Lower	Upper
59	100		
57	76.6	9.3	13.9#



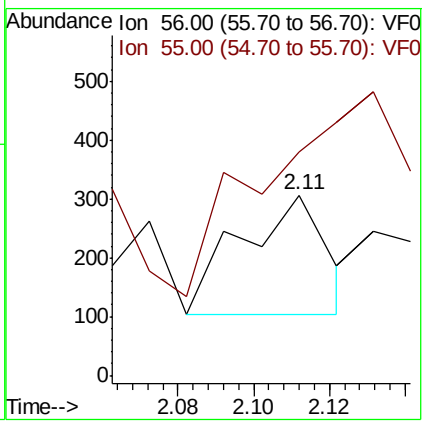


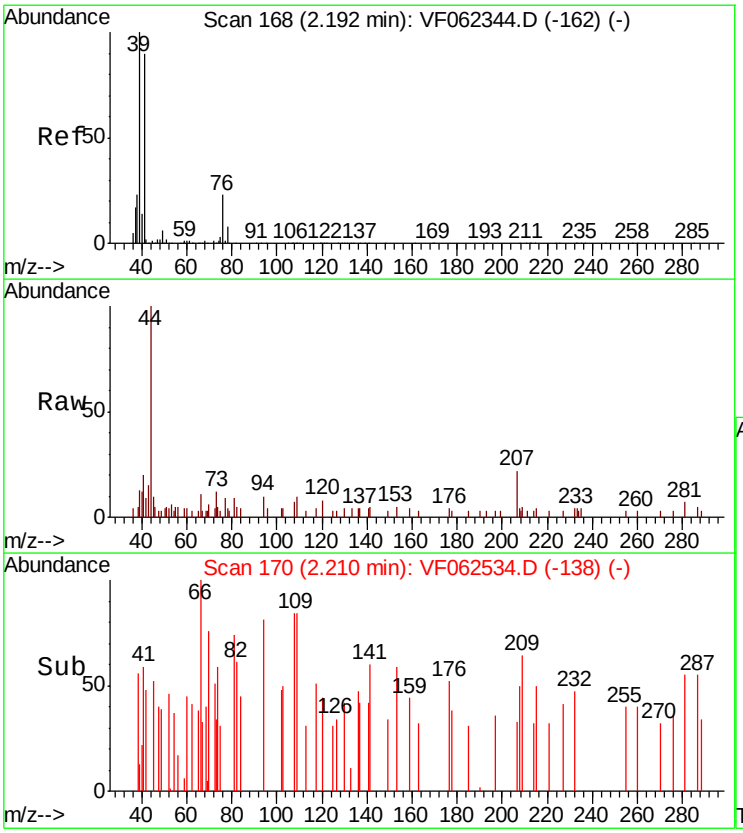
#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 56 Resp: 323

Ion	Ratio	Lower	Upper
56	100		
55	444.0	58.4	87.6#

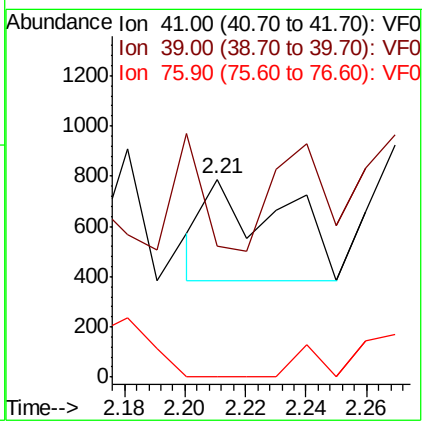


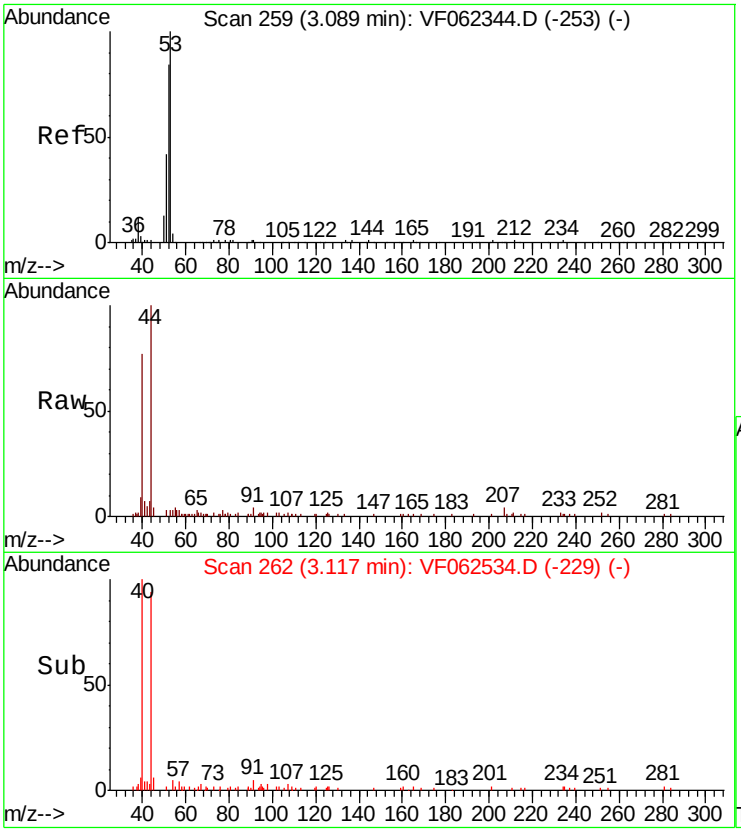


#14
Allyl chloride
Concen: 1.406 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 41 Resp: 708

Ion	Ratio	Lower	Upper
41	100		
39	100.1	90.8	136.2
76	0.0	22.2	33.4#



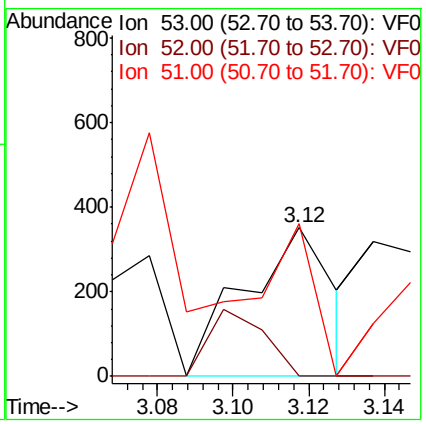


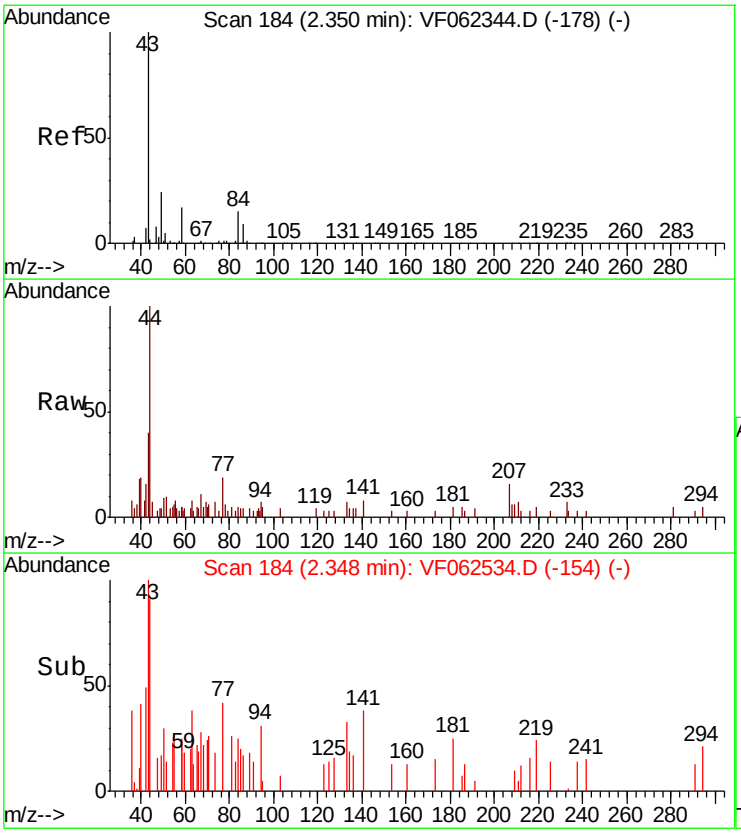
#15
Acrylonitrile
Concen: 7.551 ug/l
RT: 3.12 min Scan# 262
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 53 Resp: 568

Ion	Ratio	Lower	Upper
53	100		
52	28.0	77.2	115.8#
51	57.0	40.6	61.0

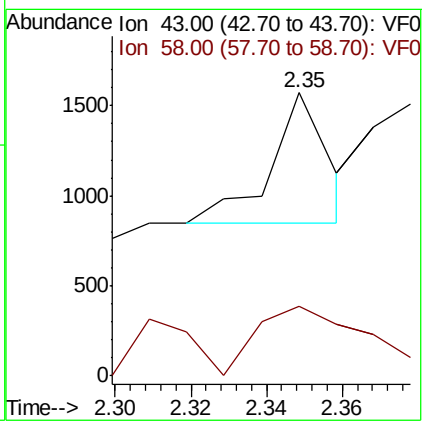


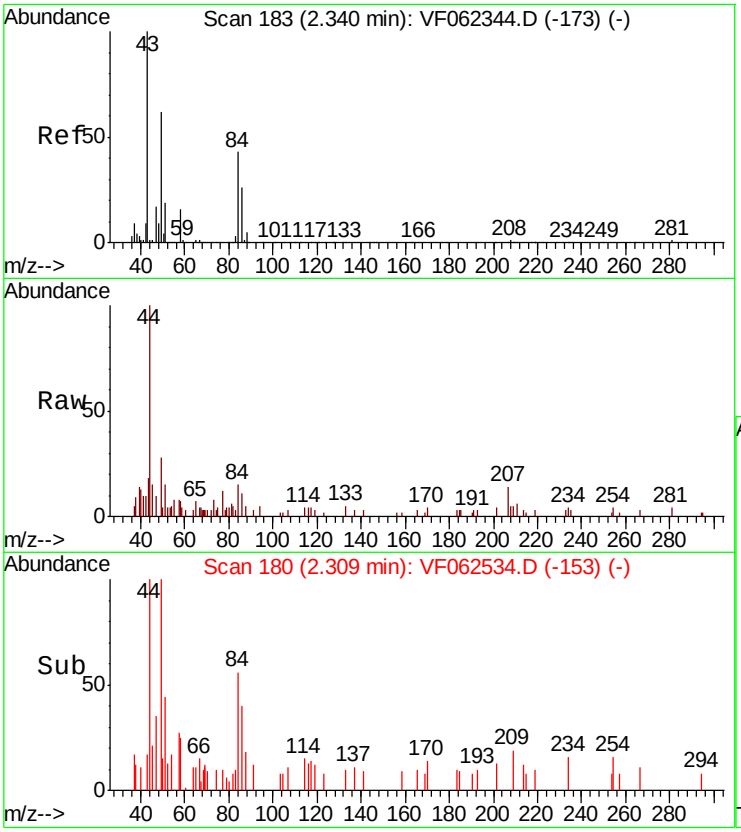


#16
Acetone
Concen: 5.375 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 43 Resp: 764

Ion	Ratio	Lower	Upper
43	100		
58	19.3	13.1	19.7



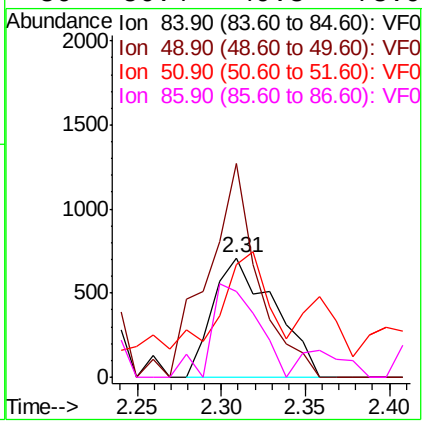


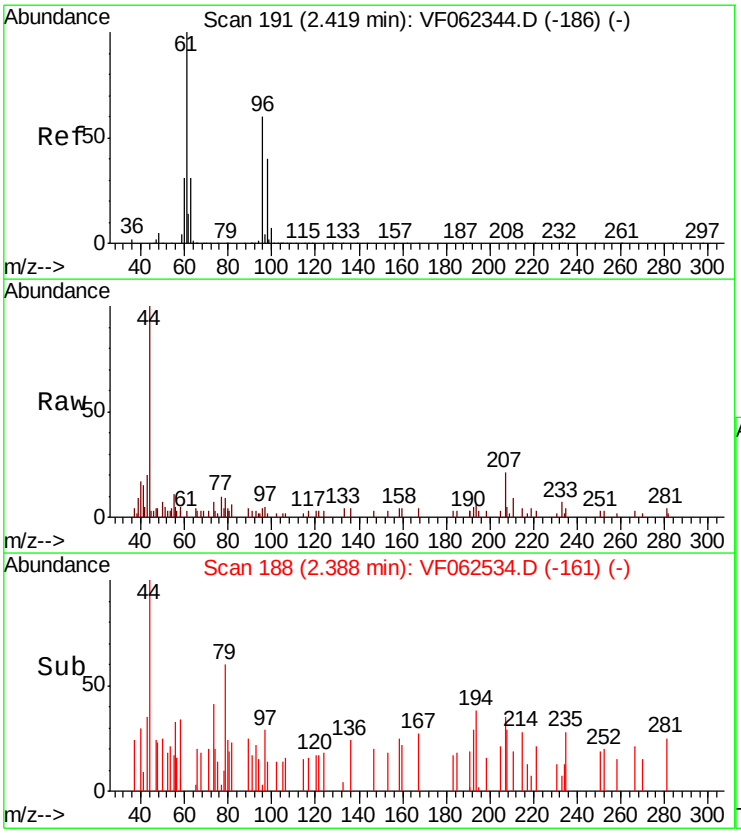
#20
Methylene Chloride
Concen: 3.502 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument : MSVOA_F
ClientSampleId : P026-SS013-1824-01RE

Tgt Ion: 84 Resp: 1801

Ion	Ratio	Lower	Upper
84	100		
49	179.1	117.5	176.3#
51	54.0	37.0	55.4
86	56.4	49.3	73.9

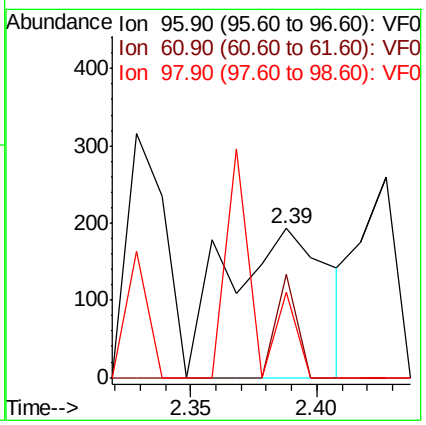


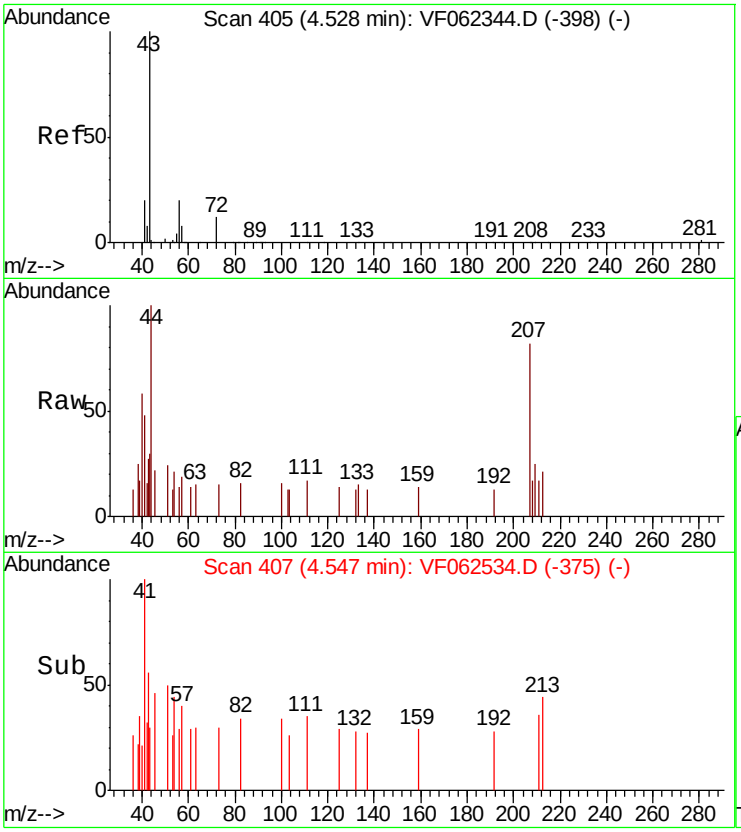


#21
trans-1,2-Dichloroethene
Concen: 1.007 ug/l
RT: 2.39 min Scan# 188
Delta R.T. -0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 96 Resp: 547

Ion	Ratio	Lower	Upper
96	100		
61	68.9	133.2	199.8#
98	57.0	53.1	79.7



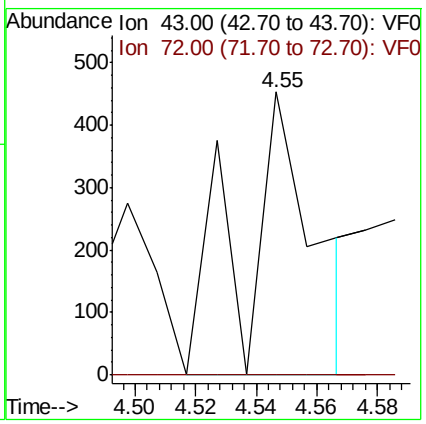


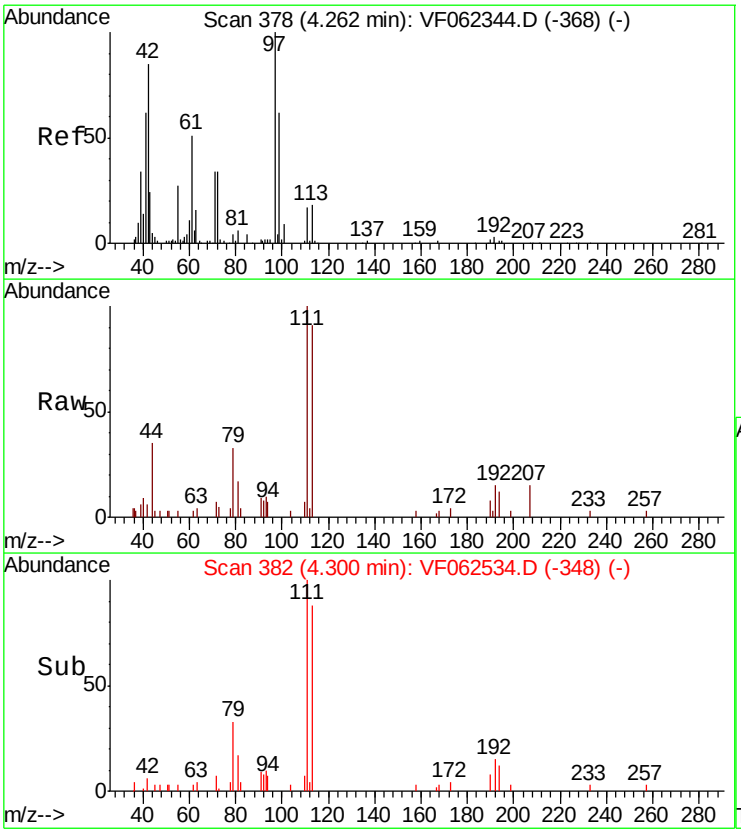
#25
2-Butanone
Concen: 4.144 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 43 Resp: 740

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#

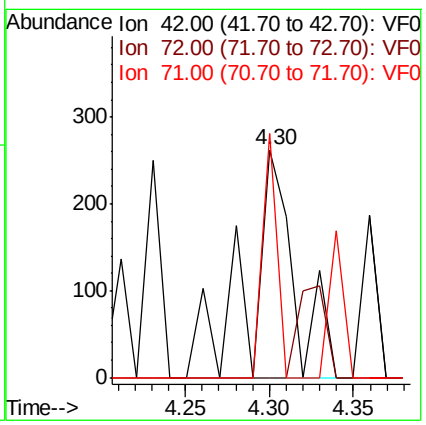


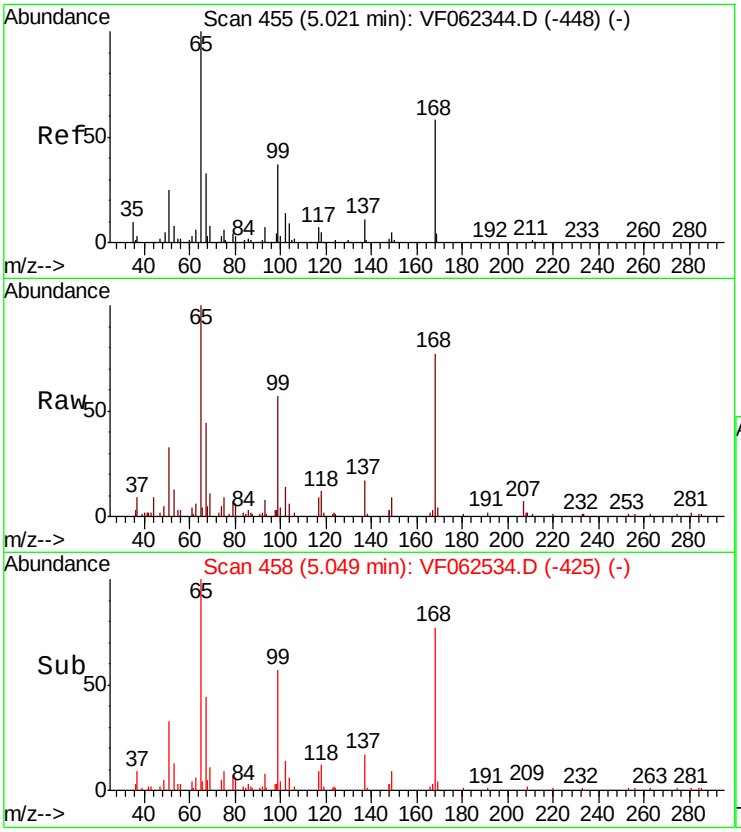


#29
Tetrahydrofuran
Concen: 6.117 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.04 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 42 Resp: 502

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	33.1	31.7	47.5



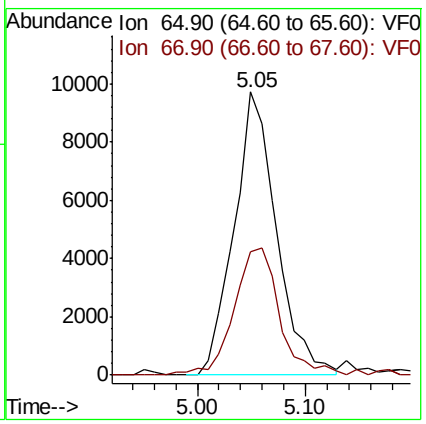


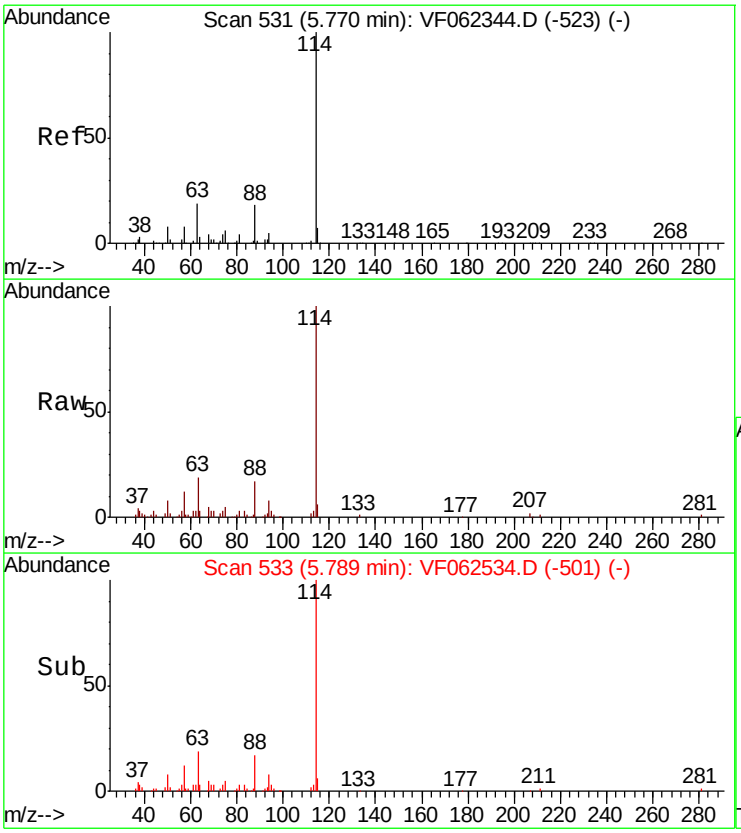
#33
1,2-Dichloroethane-d4
Concen: 37.707 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 65 Resp: 26494

Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	85.8

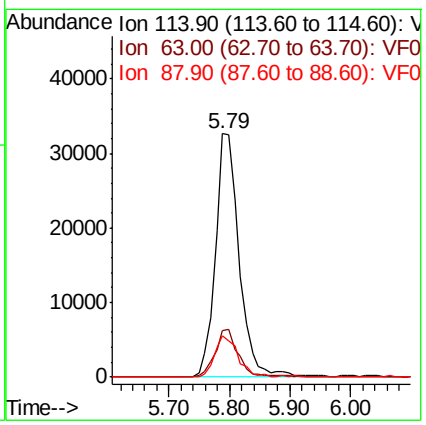


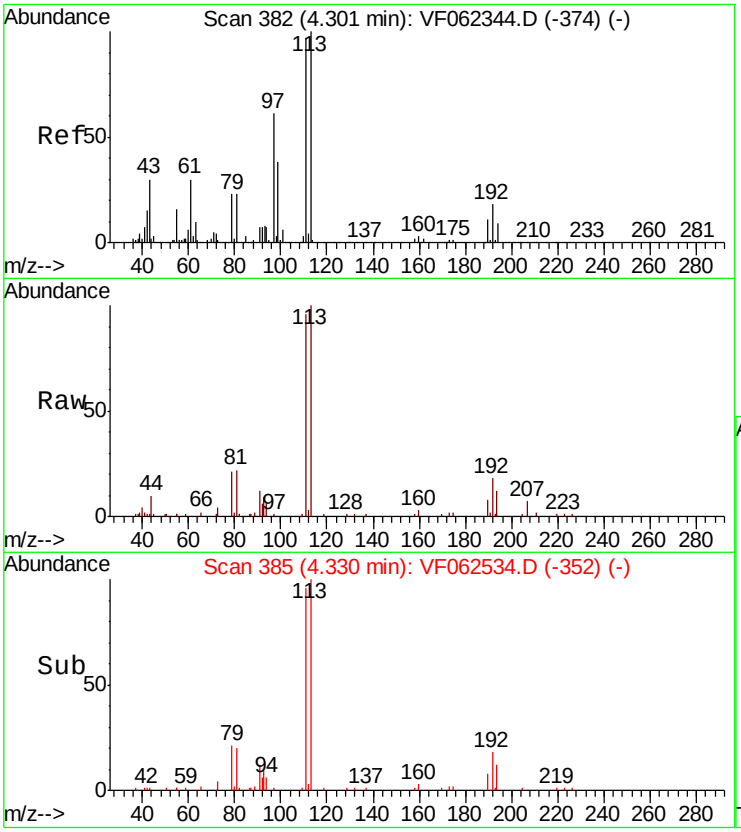


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.79 min Scan# 533
Delta R.T. 0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion:114 Resp: 89131

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.4
88	17.0	0.0	36.4



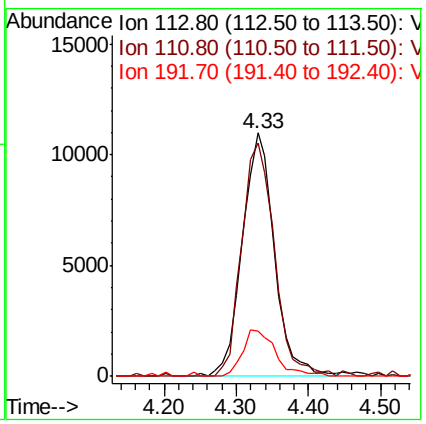


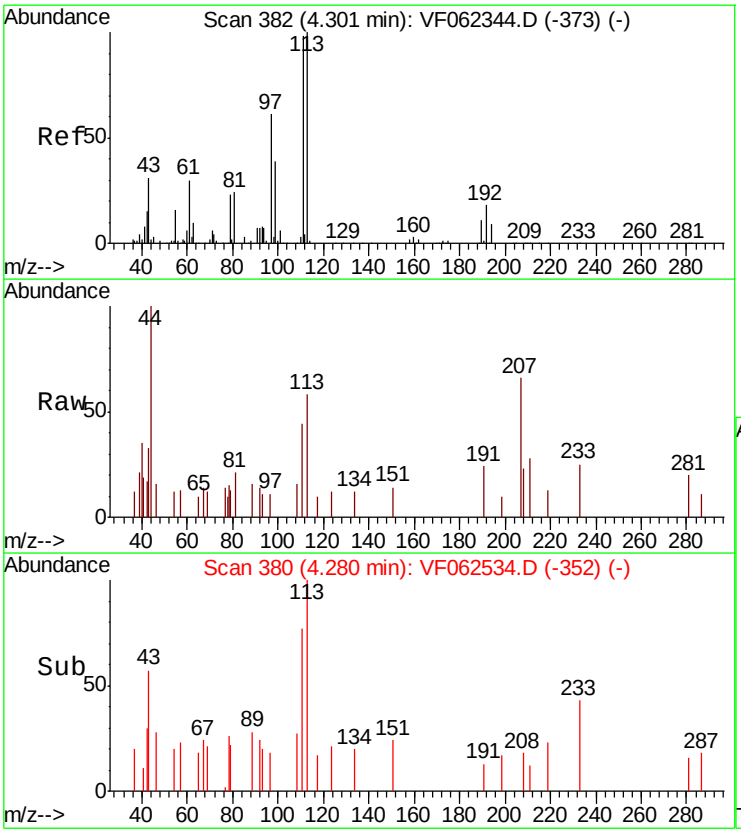
#35
Dibromofluoromethane
Concen: 48.115 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion:113 Resp: 34166

Ion	Ratio	Lower	Upper
113	100		
111	98.3	79.4	119.0
192	19.7	16.0	24.0

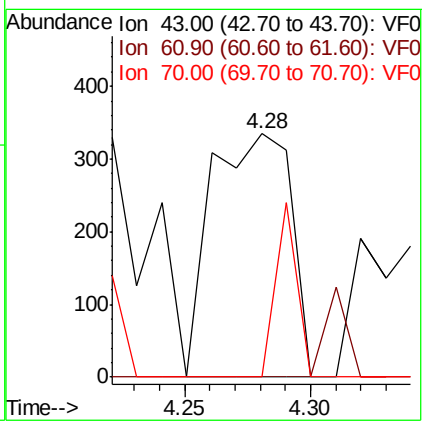


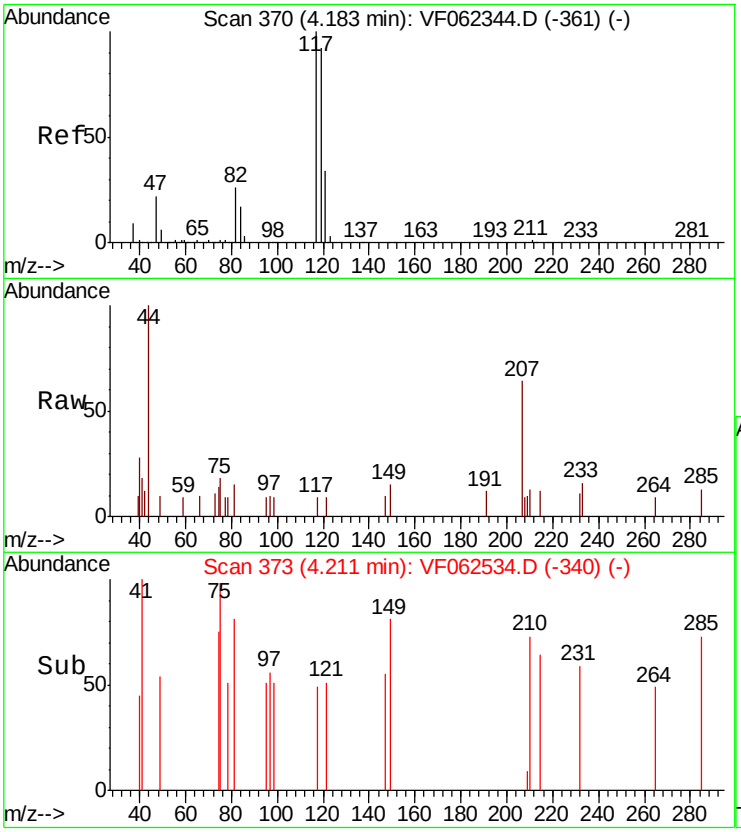


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 43 Resp: 736

Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	19.3	8.2	12.2#



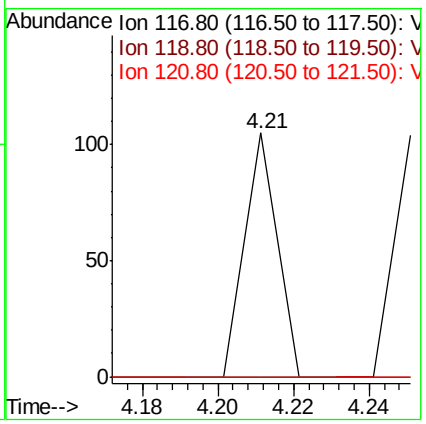


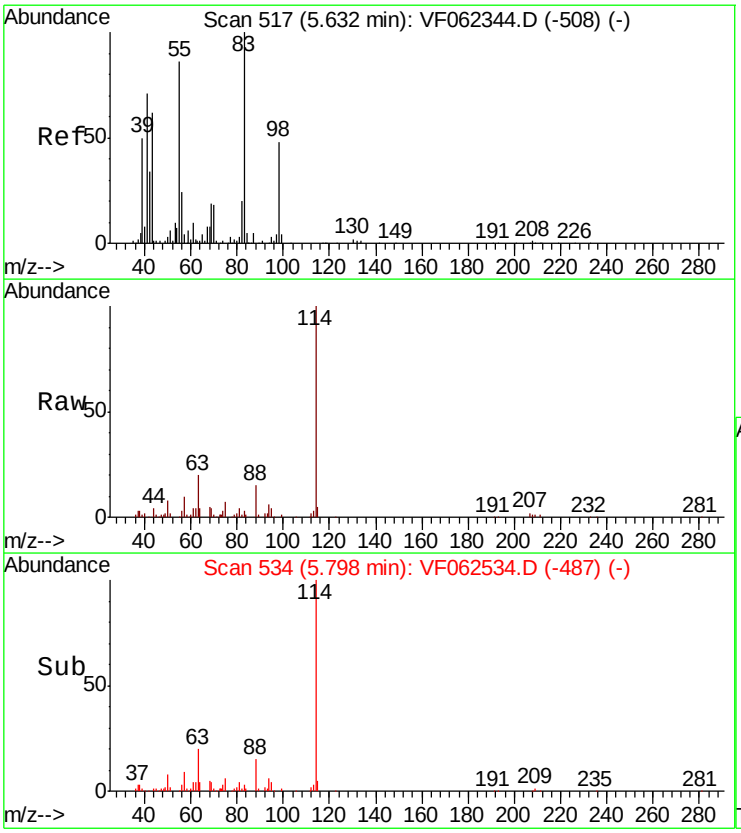
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument : MSVOA_F
ClientSampleId : P026-SS013-1824-01RE

Tgt Ion:117 Resp: 62

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

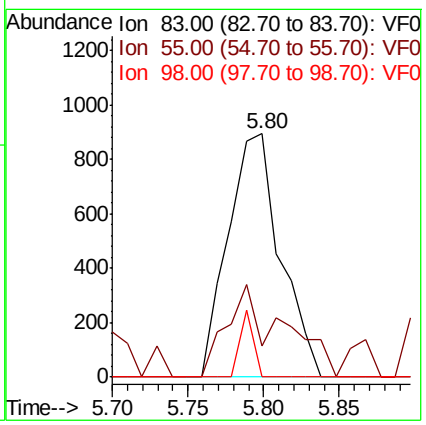


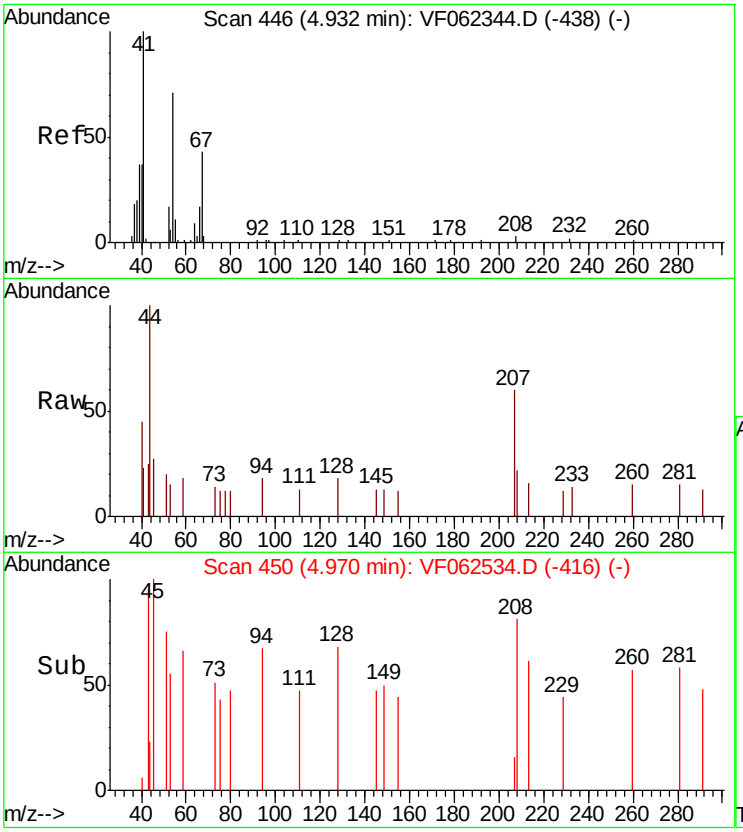


#39
Methylcyclohexane
Concen: 2.801 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.17 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 83 Resp: 2151

Ion	Ratio	Lower	Upper
83	100		
55	12.9	69.0	103.6#
98	0.0	38.6	58.0#



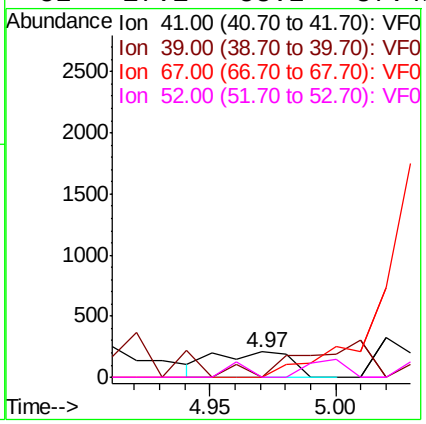


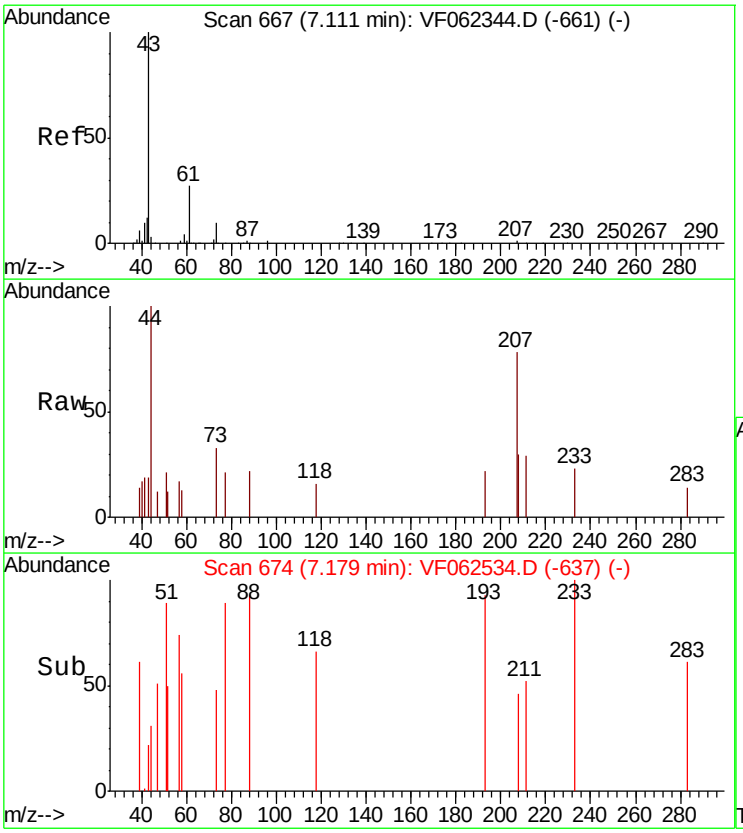
#41
Methacrylonitrile
Concen: 2.386 ug/l
RT: 4.97 min Scan# 450
Delta R.T. 0.04 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 41 Resp: 438

Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	0.0	37.8	56.8#
52	17.1	58.2	87.4#

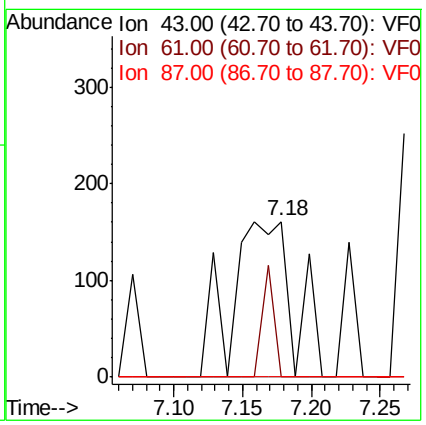


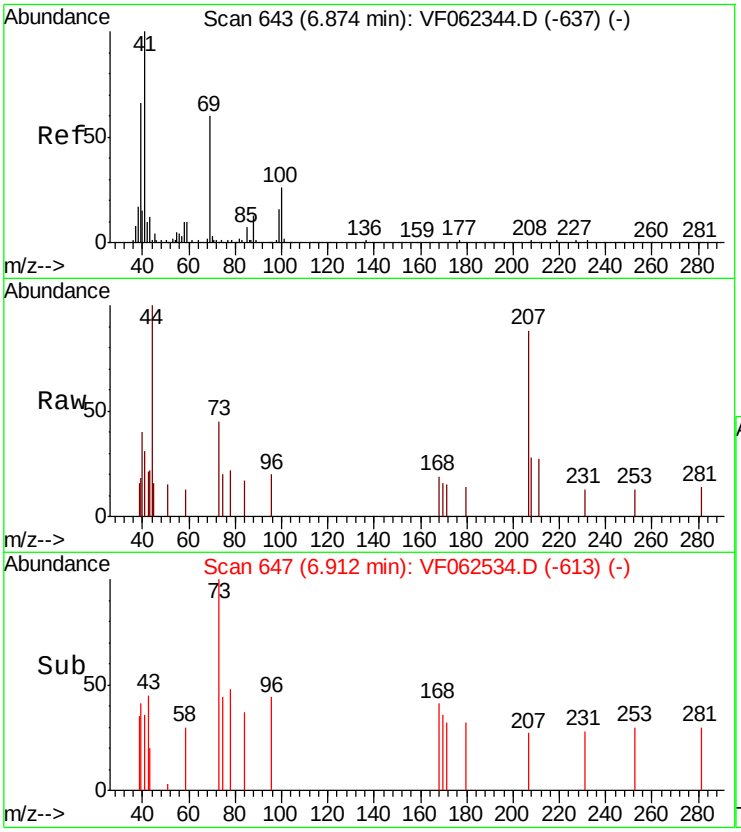


#43
Isopropyl Acetate
Concen: 1.467 ug/l
RT: 7.18 min Scan# 674
Delta R.T. 0.07 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 43 Resp: 511

Ion	Ratio	Lower	Upper
43	100		
61	13.3	22.8	34.2#
87	0.0	0.6	1.0#



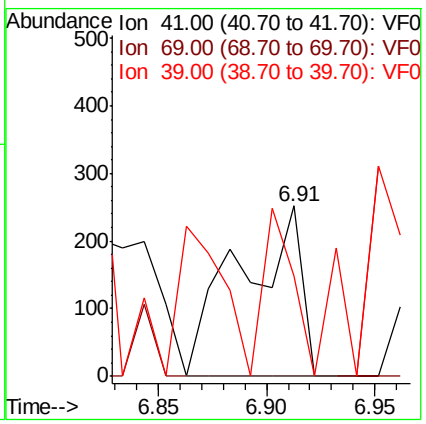


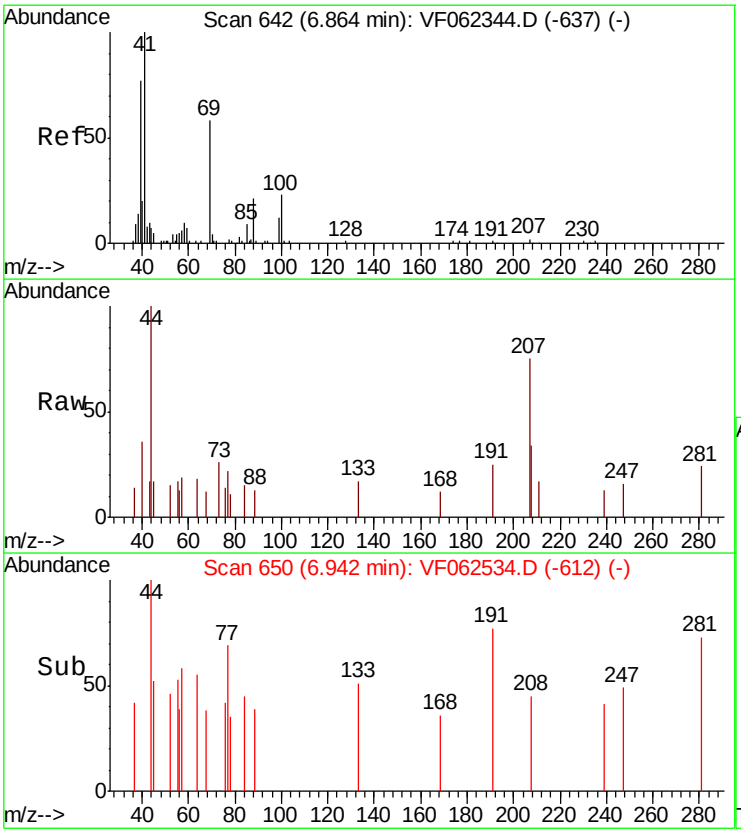
#48
Methyl methacrylate
Concen: 2.015 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.04 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument : MSVOA_F
ClientSampleId : P026-SS013-1824-01RE

Tgt Ion: 41 Resp: 496

Ion	Ratio	Lower	Upper
41	100		
69	0.0	48.6	72.8#
39	47.4	56.1	84.1#

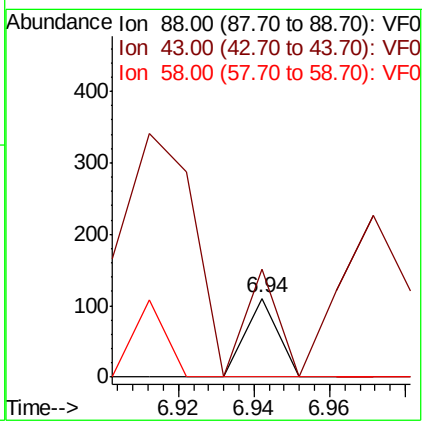


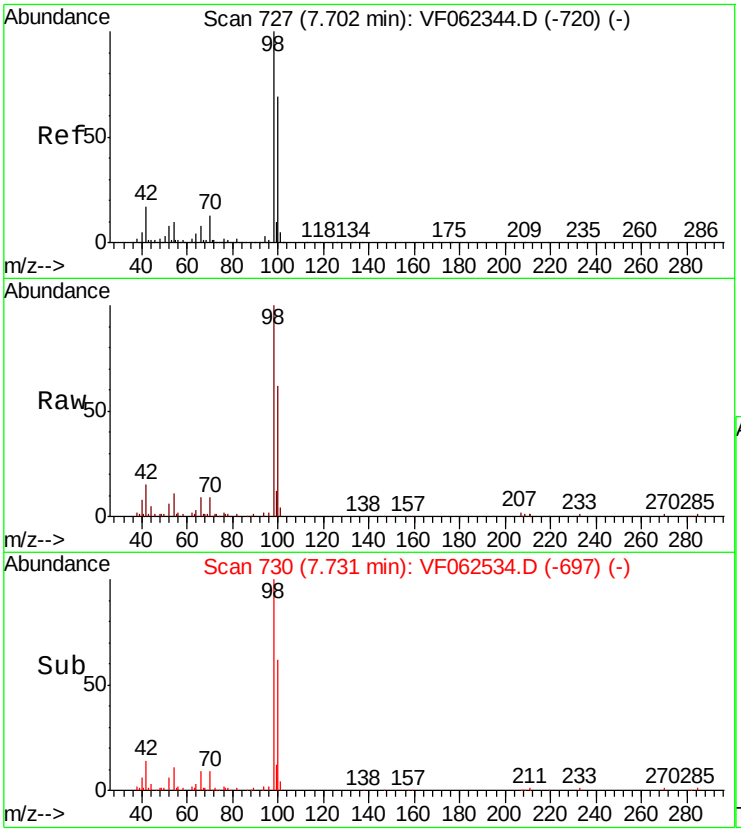


#49
1,4-Dioxane
Concen: 12.779 ug/l
RT: 6.94 min Scan# 650
Delta R.T. 0.08 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 88 Resp: 65

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



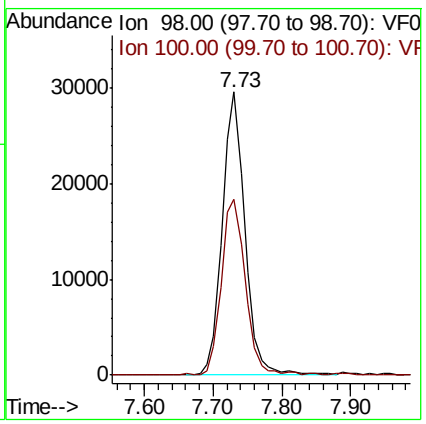


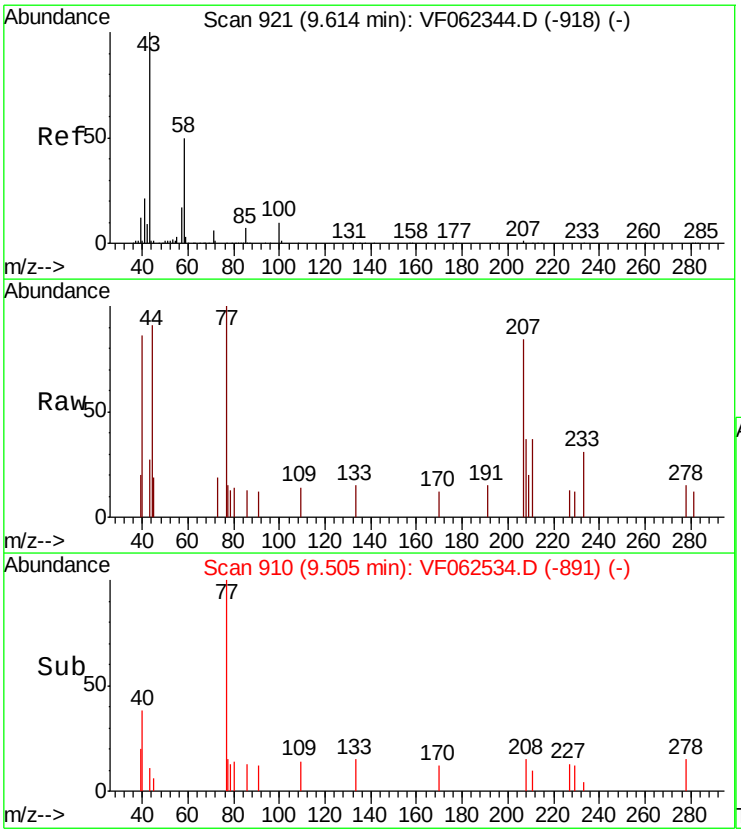
#50
Toluene-d8
Concen: 39.209 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 98 Resp: 67396

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.3	79.9

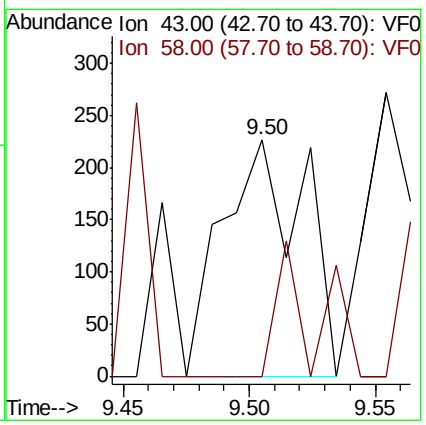


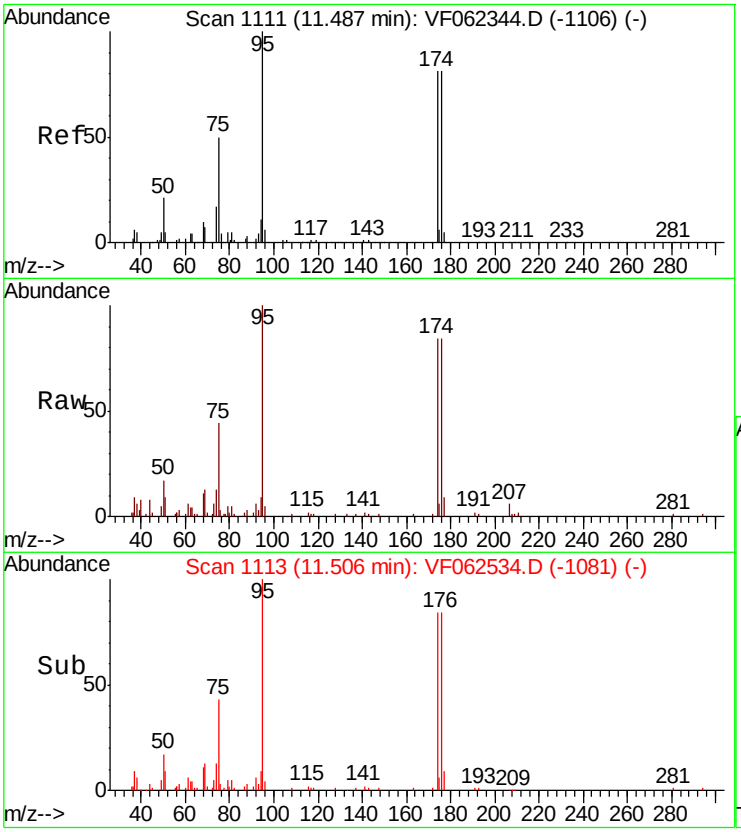


#59
2-Hexanone
Concen: 2.789 ug/l
RT: 9.50 min Scan# 910
Delta R.T. -0.11 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 43 Resp: 509

Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.3	73.0



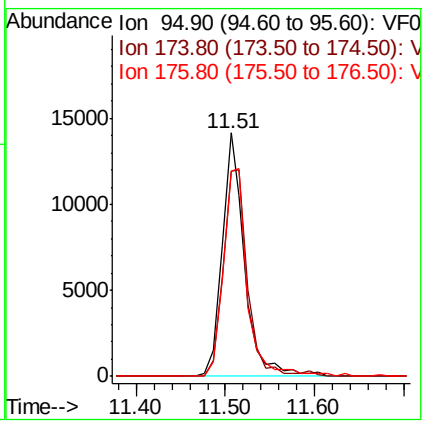


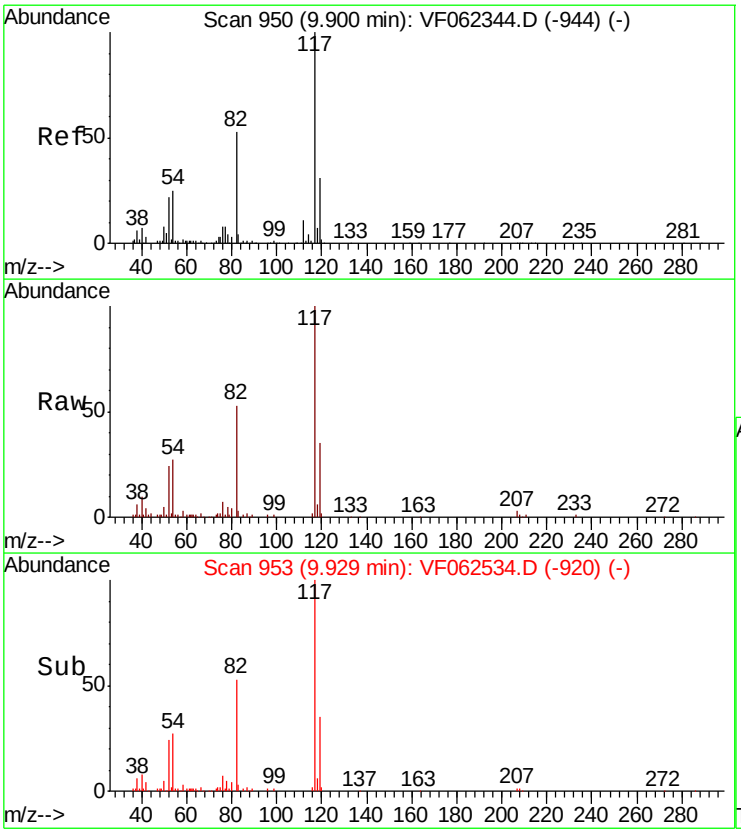
#62
4-Bromofluorobenzene
Concen: 32.355 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 95 Resp: 25091

Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	191.8
176	91.1	0.0	193.2

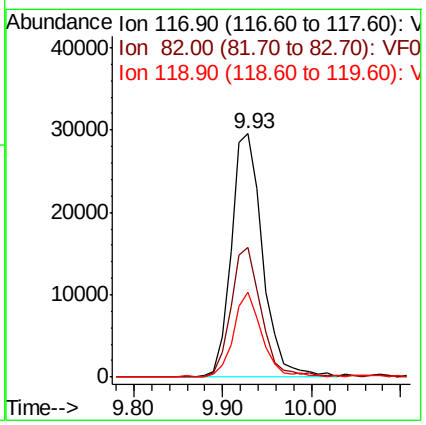


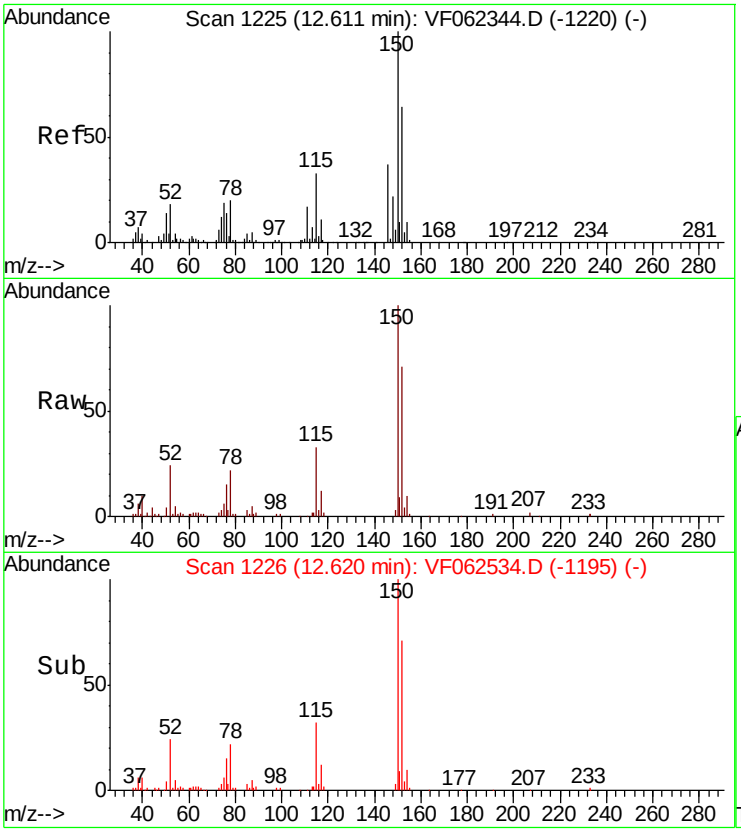


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion:117 Resp: 72457

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.2
119	34.3	25.0	37.4



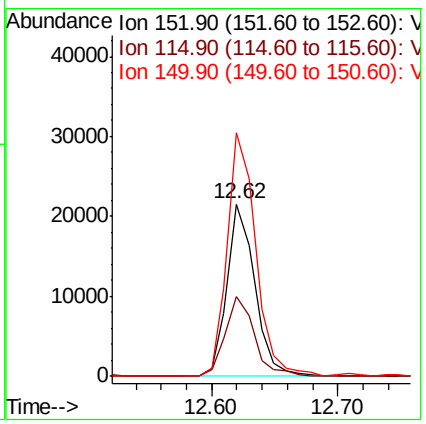


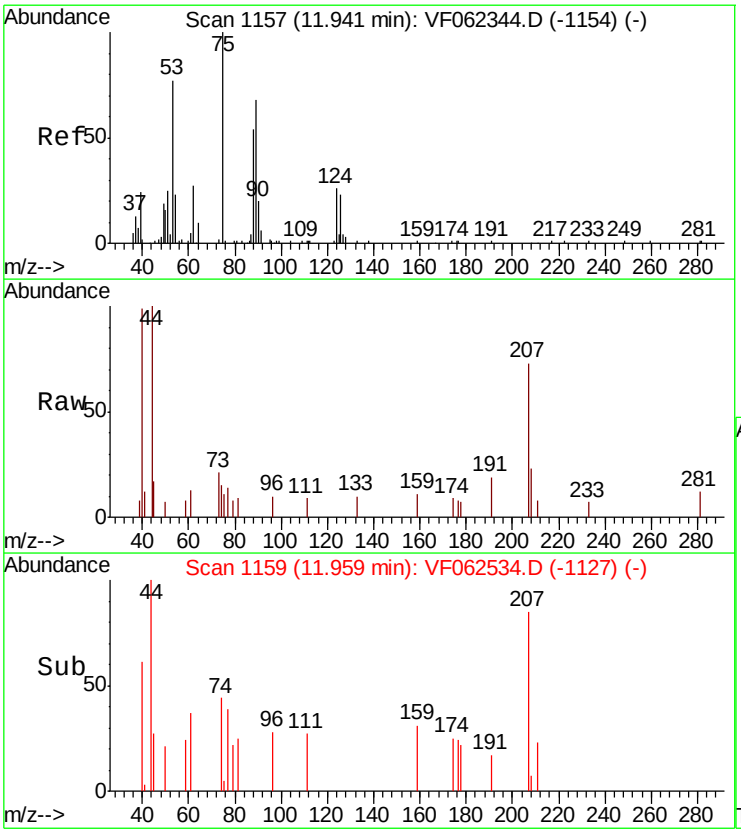
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion:152 Resp: 32746

Ion	Ratio	Lower	Upper
152	100		
115	48.9	26.4	79.2
150	146.0	0.0	335.0

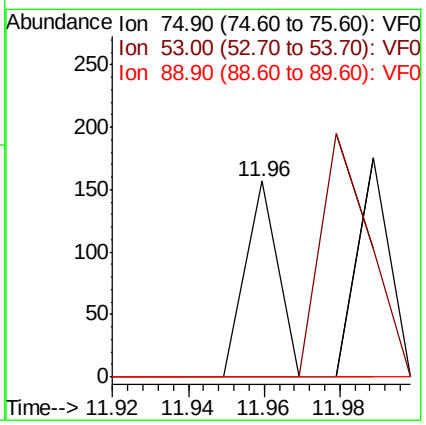


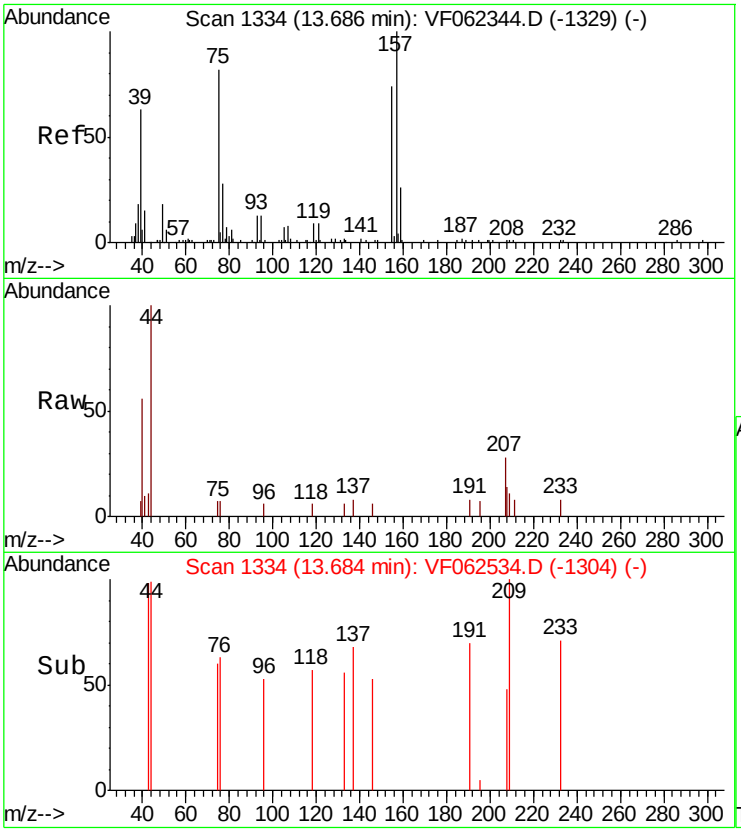


#81
trans-1,4-Dichloro-2-butene
Concen: 1.067 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Tgt Ion: 75 Resp: 93

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: 1.013 ug/l
RT: 13.68 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VF062534.D
Acq: 13 May 2019 7:07

Instrument :
MSVOA_F
ClientSampleId :
P026-SS013-1824-01RE

Tgt Ion: 75 Resp: 69

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