

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062546.D
 Acq On : 13 May 2019 17:19
 Operator : FY/SY
 Sample : K2759-02
 Misc : 2.55µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-0D015-03-004

Quant Time: May 14 07:03:25 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	82425	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	84839	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	54199	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	20243	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	12395	15.91	ug/l	0.03
Spiked Amount			Recovery	=	31.82%	
35) Dibromofluoromethane	4.32	113	1834	2.71	ug/l	0.02
Spiked Amount			Recovery	=	5.42%	
50) Toluene-d8	7.73	98	61730	37.73	ug/l	0.03
Spiked Amount			Recovery	=	75.46%	
62) 4-Bromofluorobenzene	11.51	95	16664	22.58	ug/l	0.02
Spiked Amount			Recovery	=	45.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.37	94	803	Below Cal	#	3
8) Diethyl Ether	1.58	74	225	1.142	ug/l	59
11) Tert butyl alcohol	2.73	59	88	1.999	ug/l #	1
13) Acrolein	2.10	56	143	Below Cal	#	82
15) Acrylonitrile	3.09	53	244	2.926	ug/l #	32
16) Acetone	2.36	43	2381	15.110	ug/l	100
17) Carbon Disulfide	1.88	76	8364	6.070	ug/l #	94
18) Methyl Acetate	2.50	43	1477	2.142	ug/l #	79
20) Methylene Chloride	2.31	84	1147	2.012	ug/l #	81
25) 2-Butanone	4.57	43	1576	7.961	ug/l #	60
29) Tetrahydrofuran	4.28	42	568	6.243	ug/l #	36
37) Ethyl Acetate	4.33	43	442	Below Cal	#	73
38) Carbon Tetrachloride	4.24	117	63	Below Cal	#	14
39) Methylcyclohexane	5.80	83	1731	2.368	ug/l #	42
43) Isopropyl Acetate	7.12	43	1697	5.119	ug/l #	89
48) Methyl methacrylate	6.89	41	446	1.904	ug/l #	81
49) 1,4-Dioxane	6.86	88	73	17.460	ug/l #	35
51) 4-Methyl-2-Pentanone	8.42	43	3658	14.563	ug/l	94
52) Toluene	7.80	92	1150	1.162	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.33	63	134	1.343	ug/l #	42
59) 2-Hexanone	9.64	43	3441	19.808	ug/l	99
67) Ethyl Benzene	10.05	91	1774	1.130	ug/l	96
68) m/p-Xylenes	10.26	106	1199	2.069	ug/l	97
70) Styrene	10.90	104	1308	1.394	ug/l #	83
73) Isopropylbenzene	11.24	105	1224	1.020	ug/l	84
74) N-amyl acetate	11.47	43	1644	6.381	ug/l #	75
76) 1,2,3-Trichloropropane	11.88	75	179	1.249	ug/l #	100
77) Bromobenzene	11.59	156	387	1.229	ug/l #	1
78) n-propylbenzene	11.68	91	1819	1.424	ug/l	82
79) 2-Chlorotoluene	11.81	91	852	1.072	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	79	1.466	ug/l #	5
82) 4-Chlorotoluene	11.99	91	1136	1.448	ug/l	81
87) 1,3-Dichlorobenzene	12.64	146	714	1.241	ug/l	92
88) 1,4-Dichlorobenzene	12.64	146	714	1.286	ug/l	91

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

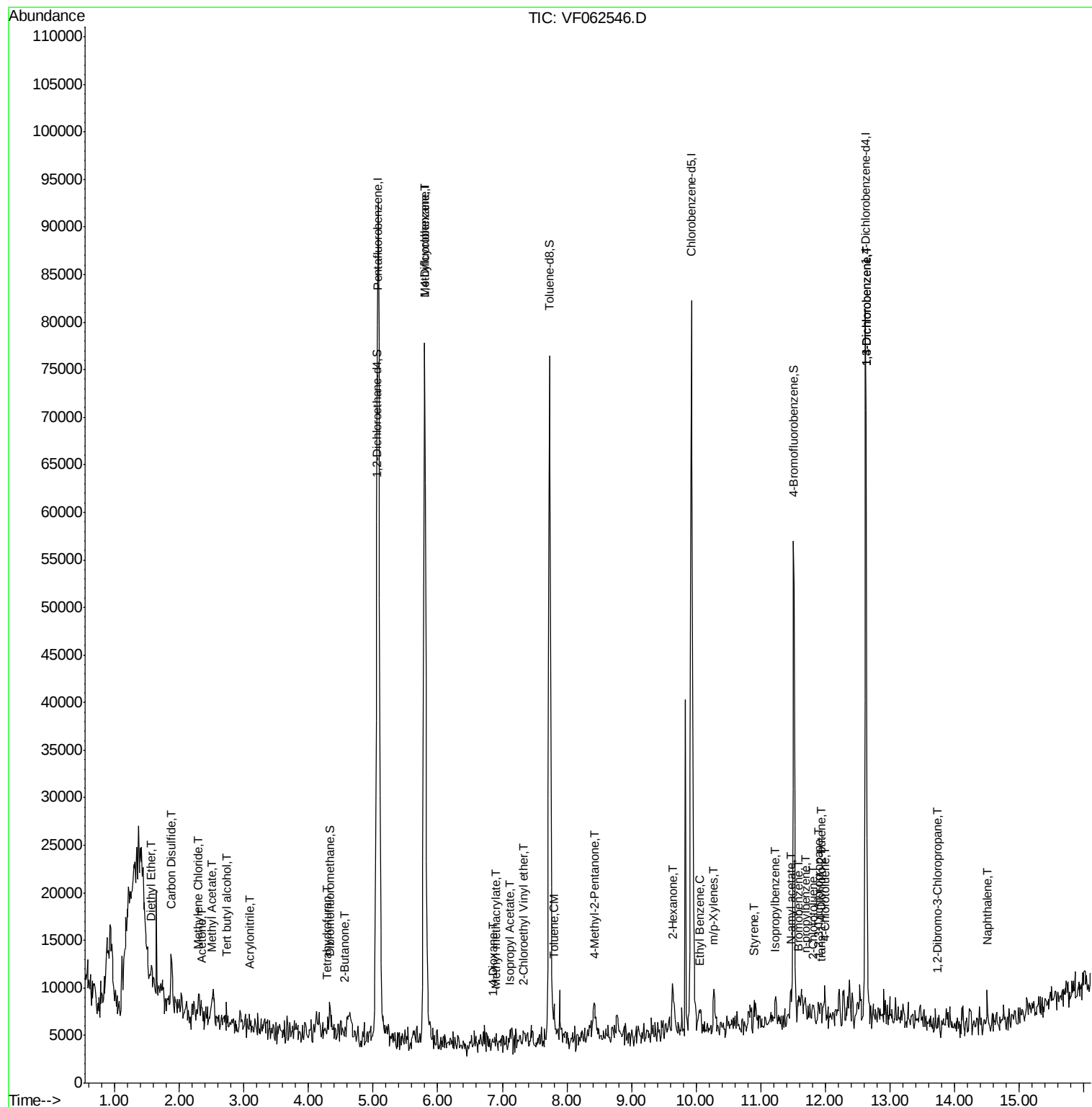
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.72	75	64	1.520	ug/l #	1
95) Naphthalene	14.50	128	1520	2.025	ug/l #	78

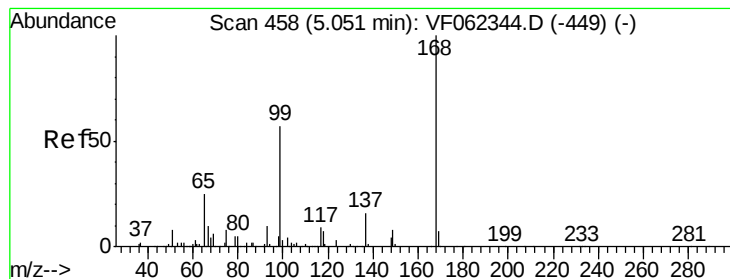
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

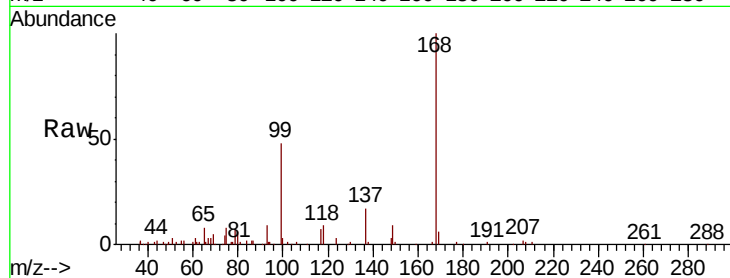
FK-0D015-03-004

Tot Ion:168 Resp: 82425

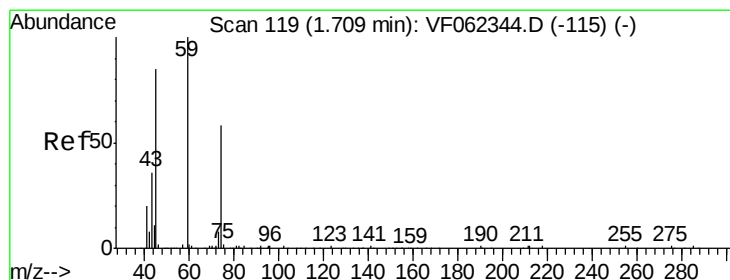
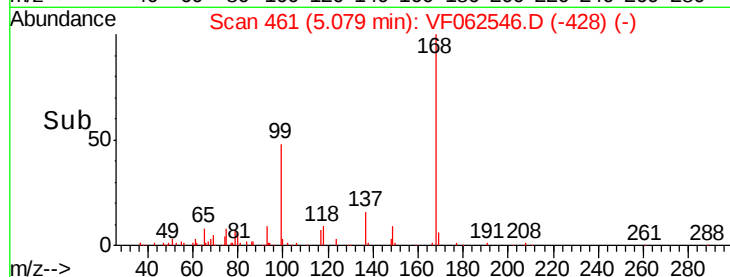
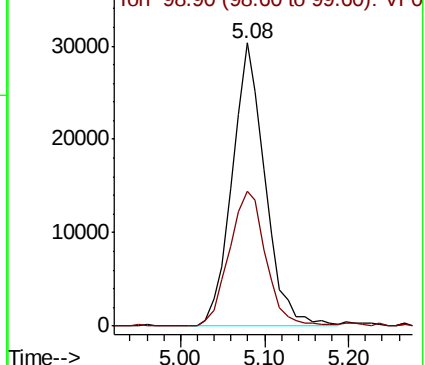
Ion Ratio Lower Upper

168 100

99 47.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#8

Diethyl Ether

Concen: 1.142 ug/l

RT: 1.58 min Scan# 106

Delta R.T. -0.13 min

Lab File: VF062546.D

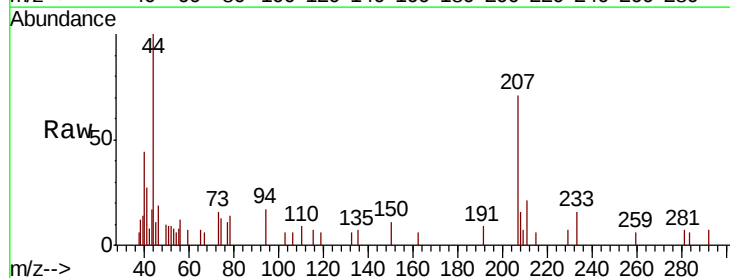
Acq: 13 May 2019 17:19

Tgt Ion: 74 Resp: 225

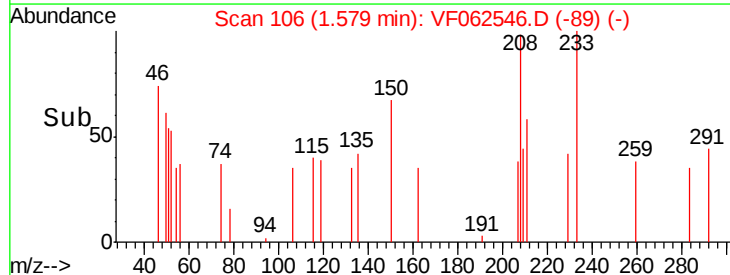
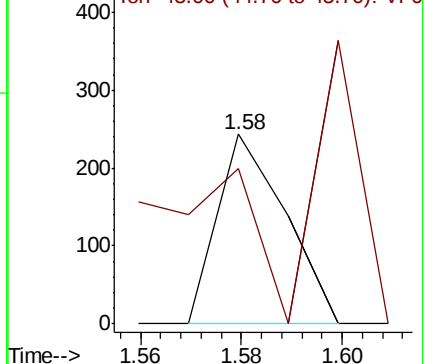
Ion Ratio Lower Upper

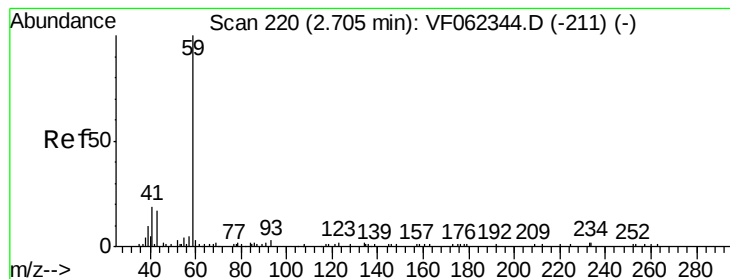
74 100

45 95.6 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0



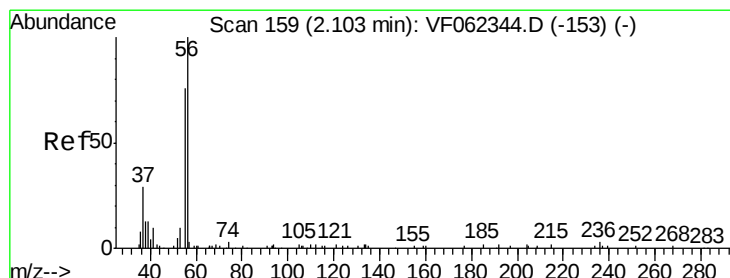
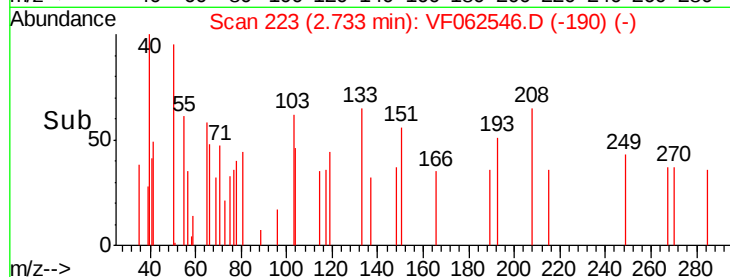
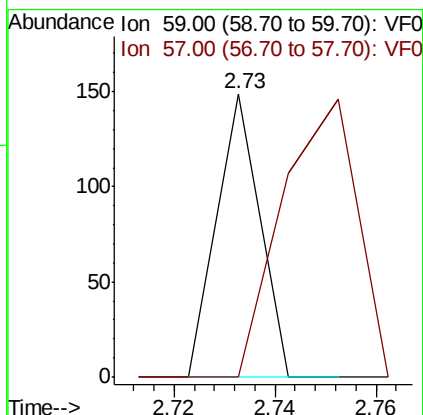
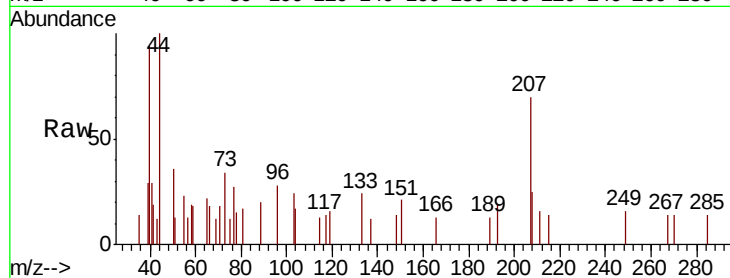


#11

Tert butyl alcohol
 Concen: 1.999 ug/l
 RT: 2.73 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VF062546.D
 Acq: 13 May 2019 17:19

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-0D015-03-004

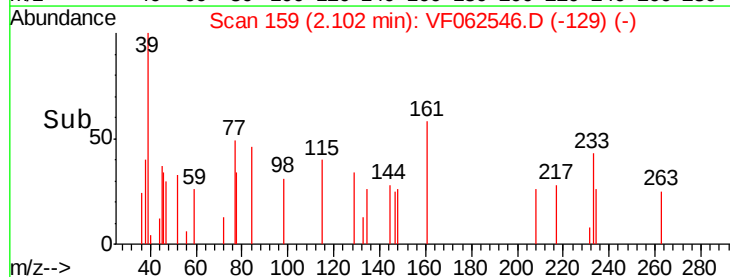
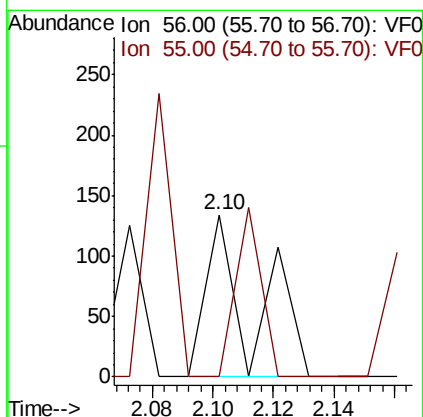
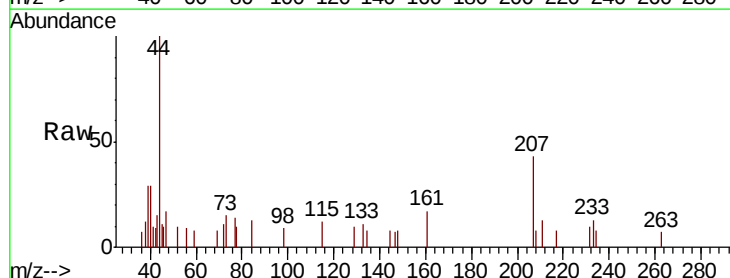
Tot Ion: 59 Resp: 88
 Ion Ratio Lower Upper
 59 100
 57 170.5 9.3 13.9#

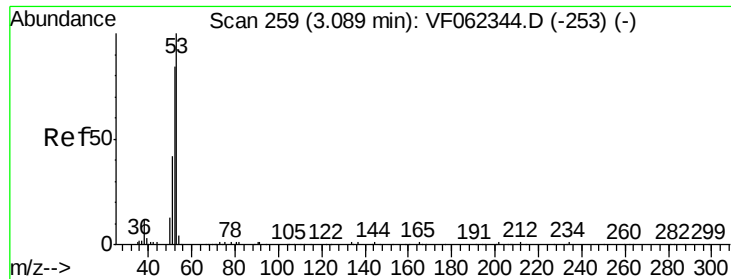


#13

Acrolein
 Concen: Below Cal
 RT: 2.10 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VF062546.D
 Acq: 13 May 2019 17:19

Tgt Ion: 56 Resp: 143
 Ion Ratio Lower Upper
 56 100
 55 58.0 58.4 87.6#





#15

Acrylonitrile

Concen: 2.926 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-004

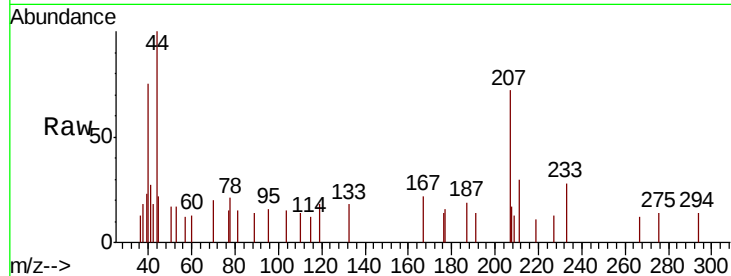
Tot Ion: 53 Resp: 244

Ion Ratio Lower Upper

53 100

52 32.4 77.2 115.8#

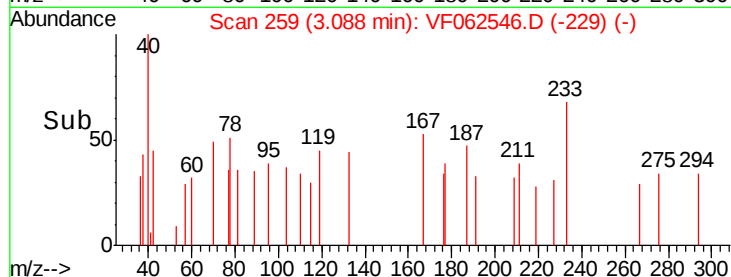
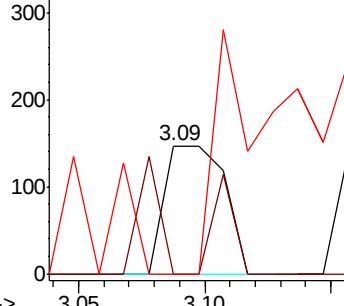
51 0.0 40.6 61.0#



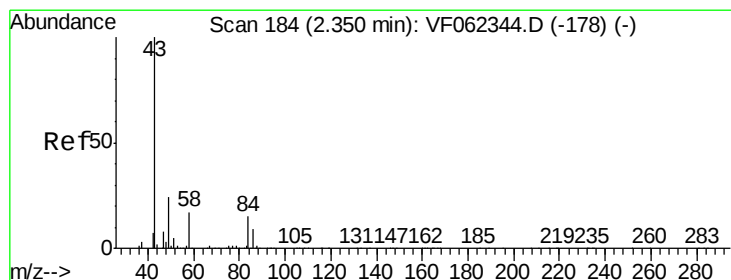
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 15.110 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062546.D

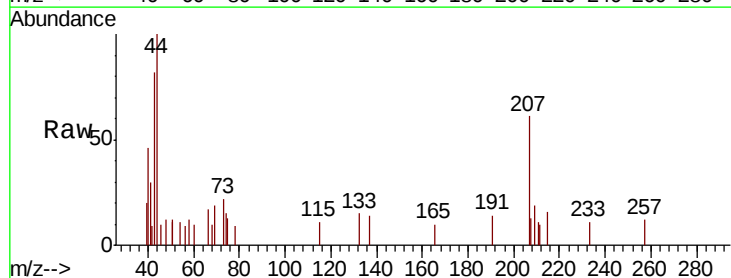
Acq: 13 May 2019 17:19

Tgt Ion: 43 Resp: 2381

Ion Ratio Lower Upper

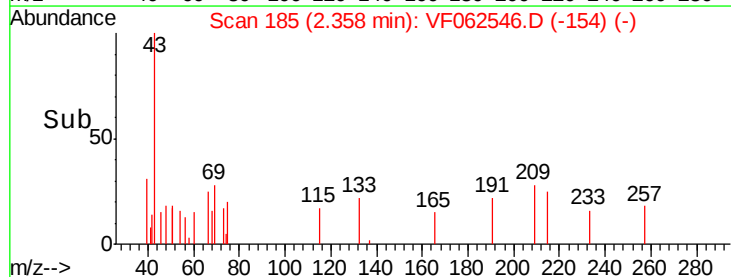
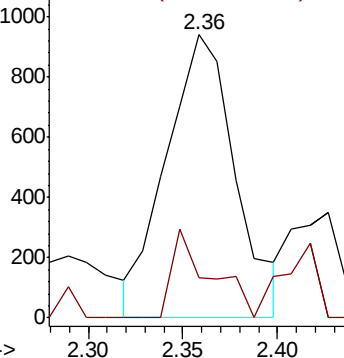
43 100

58 16.3 13.1 19.7

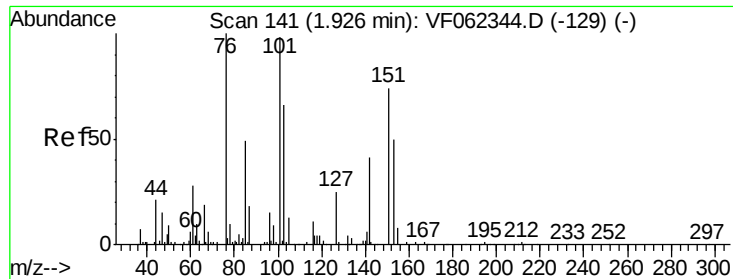


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#17

Carbon Disulfide

Concen: 6.070 ug/l

RT: 1.88 min Scan# 136

Delta R.T. -0.05 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

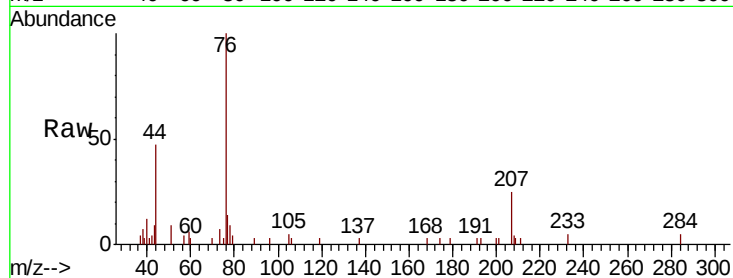
FK-0D015-03-004

Tot Ion: 76 Resp: 8364

Ion Ratio Lower Upper

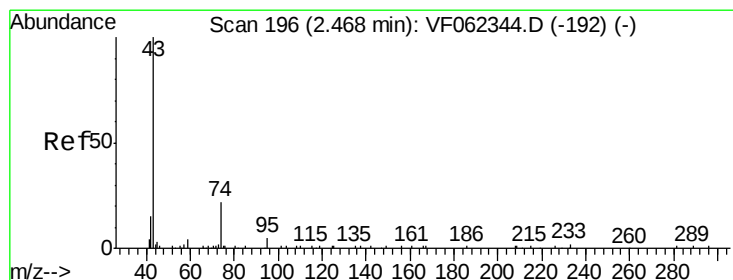
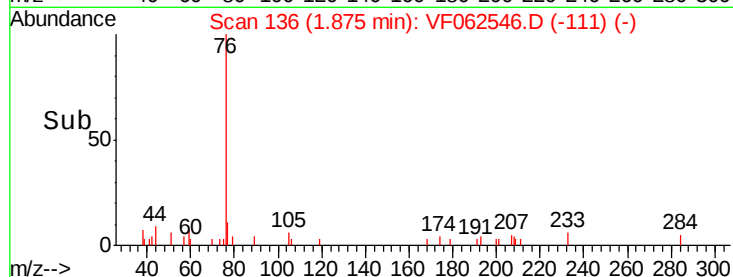
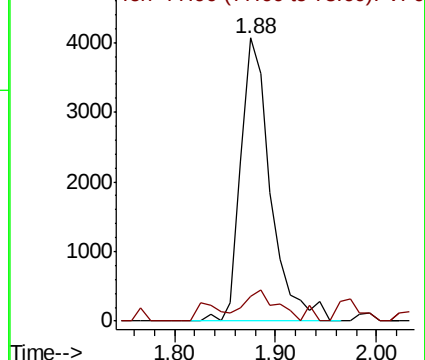
76 100

78 8.8 9.0 13.4#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 2.142 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.03 min

Lab File: VF062546.D

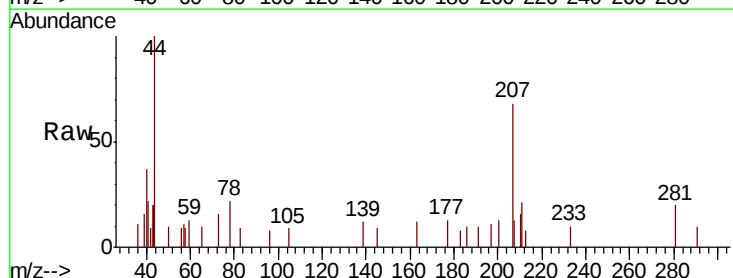
Acq: 13 May 2019 17:19

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

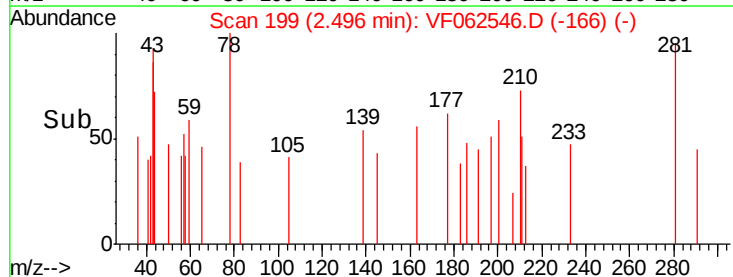
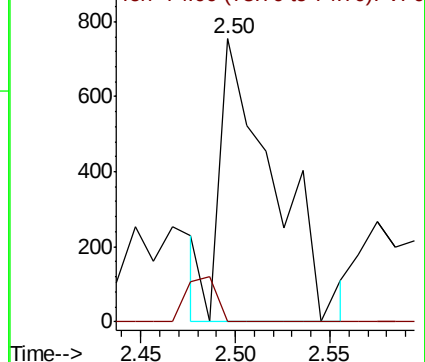
43 100

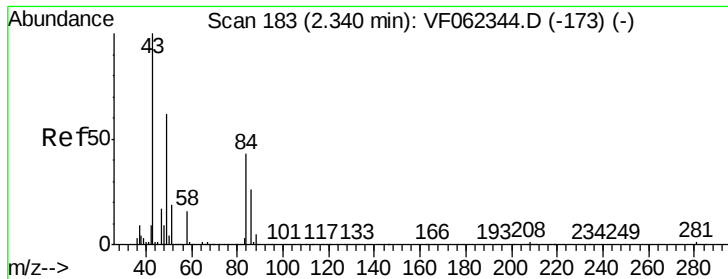
74 9.1 15.0 22.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

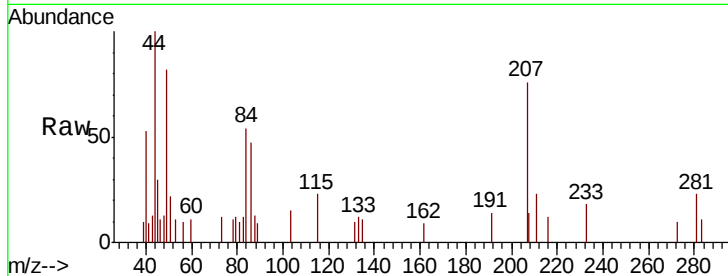




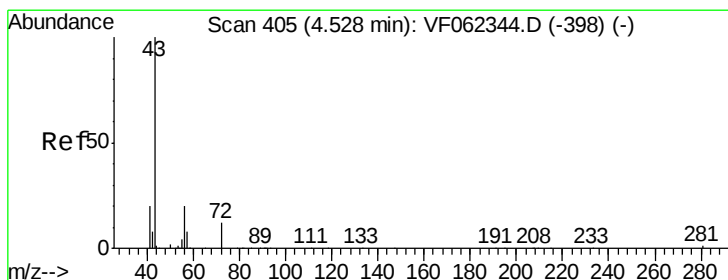
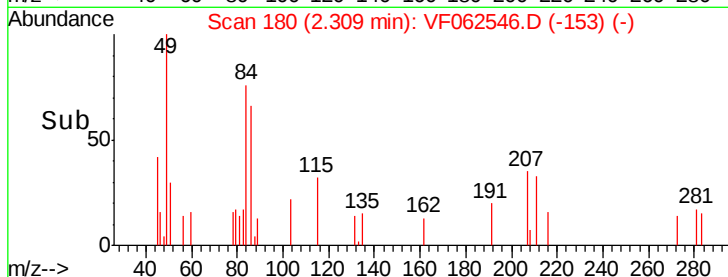
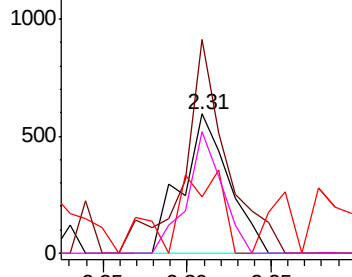
#20
Methvlene Chloride
Concen: 2.012 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

Tot Ion: 84 Resp: 1147
Ion Ratio Lower Upper
84 100
49 153.1 117.5 176.3
51 15.0 37.0 55.4#
86 87.2 49.3 73.9#

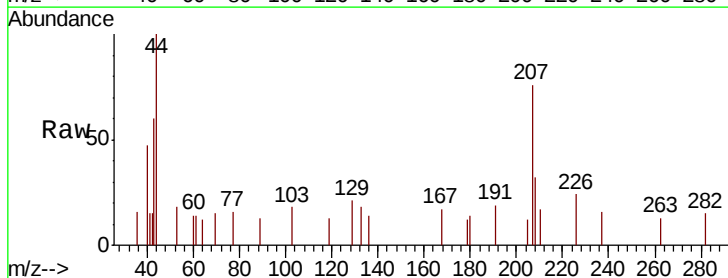


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

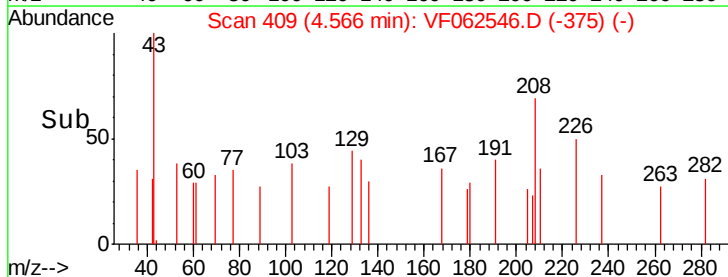
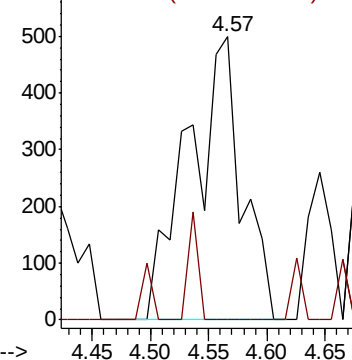


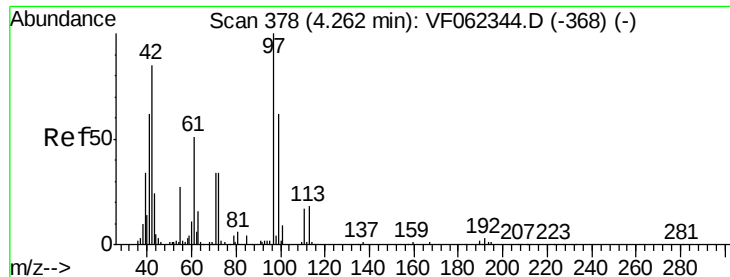
#25
2-Butanone
Concen: 7.961 ug/l
RT: 4.57 min Scan# 409
Delta R.T. 0.04 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 6.243 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-004

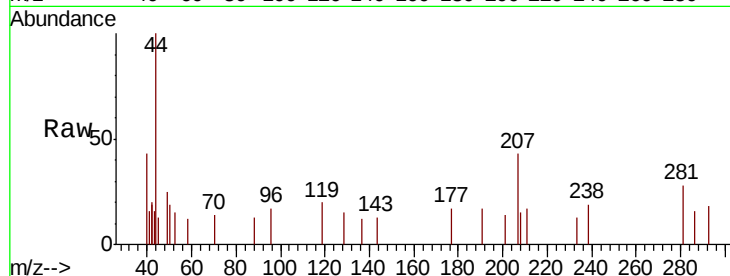
Tot Ion: 42 Resp: 568

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.28

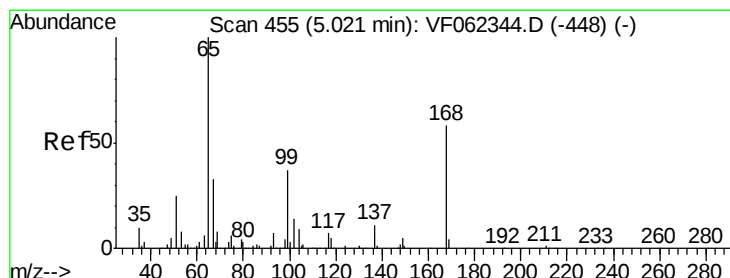
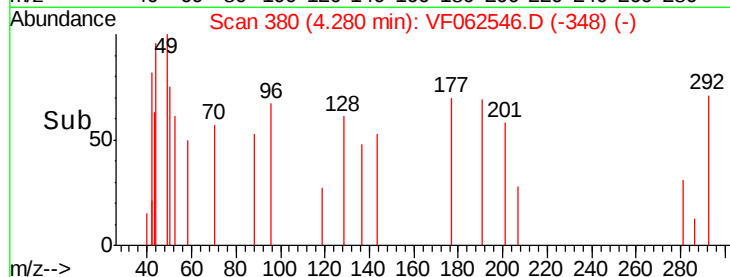
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 15.912 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062546.D

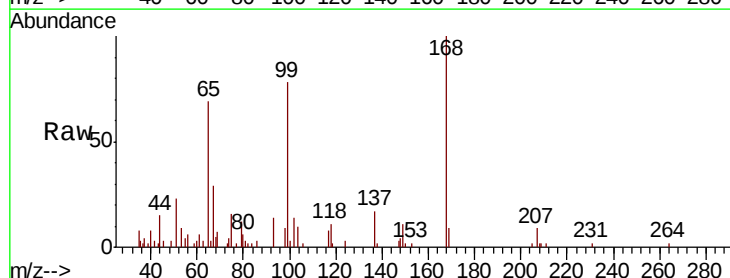
Acq: 13 May 2019 17:19

Tgt Ion: 65 Resp: 12395

Ion Ratio Lower Upper

65 100

67 47.9 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5000

4000

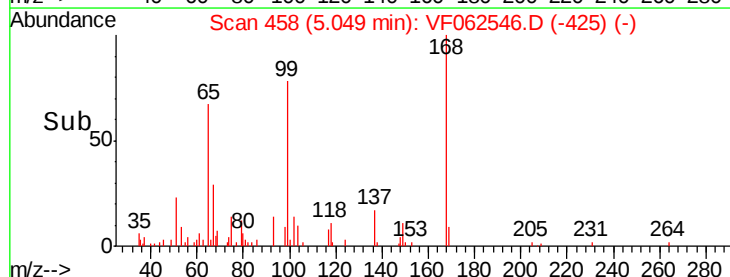
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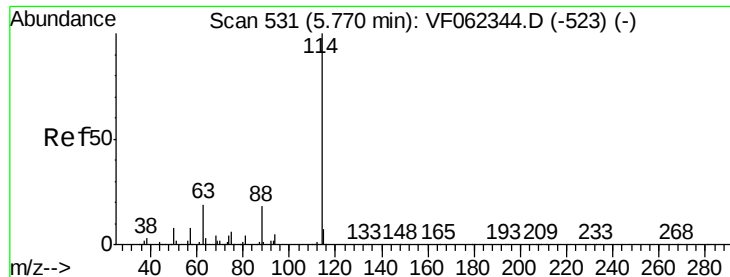
2000

1000

0

Time-->

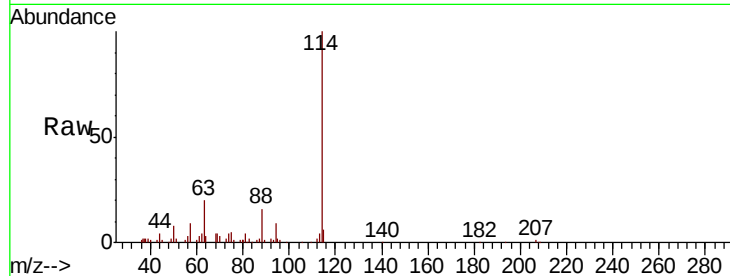




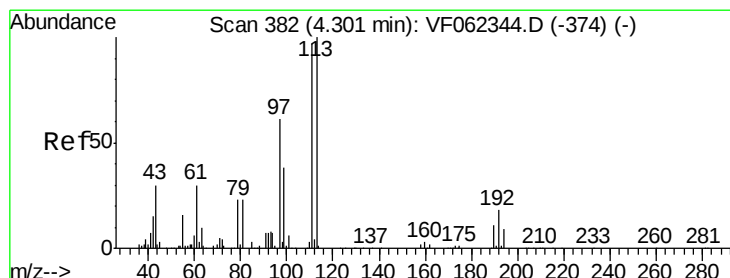
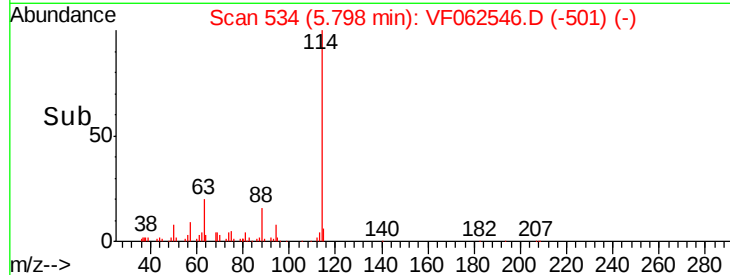
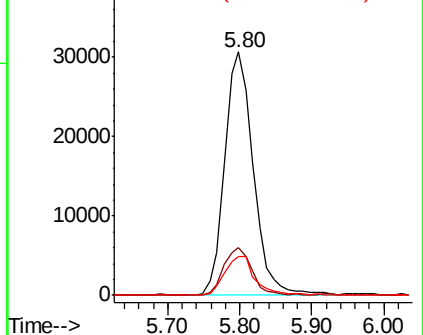
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.03 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

Tot Ion:114 Resp: 84839
Ion Ratio Lower Upper
114 100
63 19.8 0.0 37.4
88 15.8 0.0 36.4

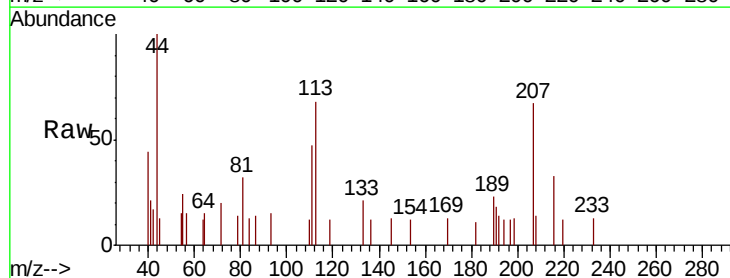


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

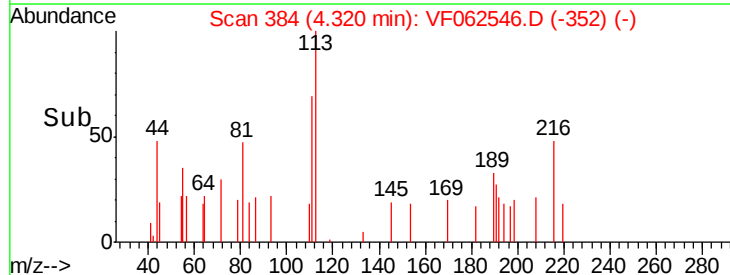
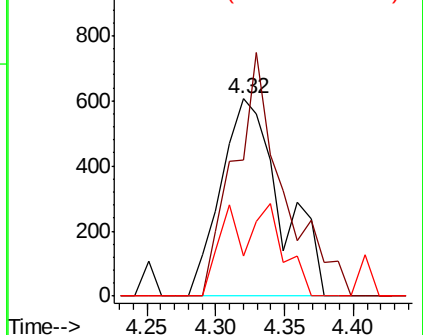


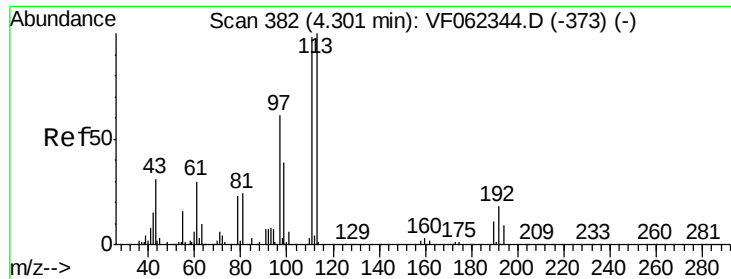
#35
Dibromofluoromethane
Concen: 2.713 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion:113 Resp: 1834
Ion Ratio Lower Upper
113 100
111 101.7 79.4 119.0
192 17.4 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-004

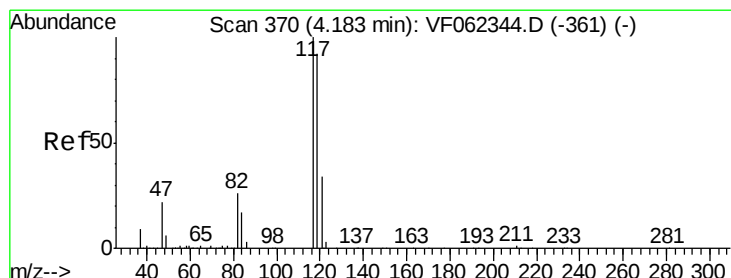
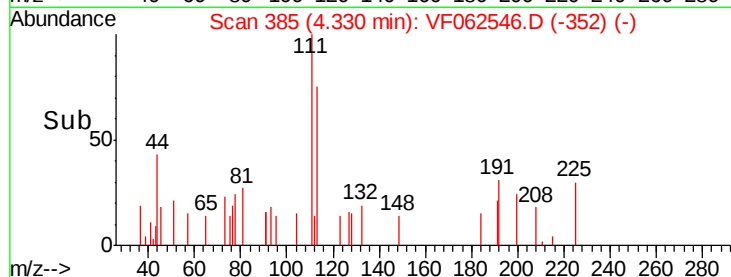
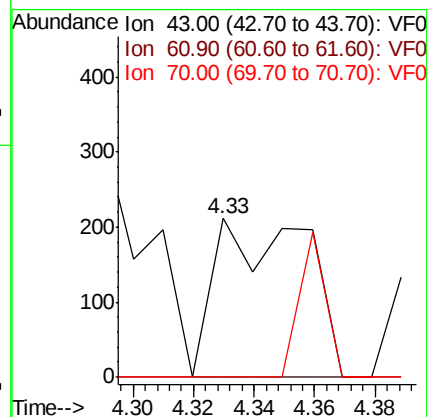
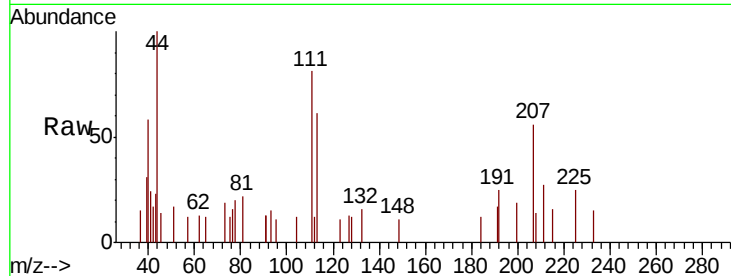
Tot Ion: 43 Resp: 442

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: 4.24 min Scan# 376

Delta R.T. 0.06 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

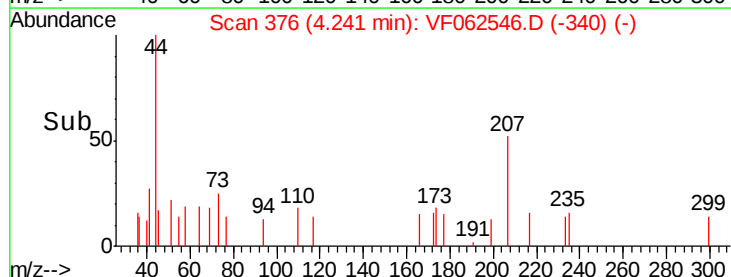
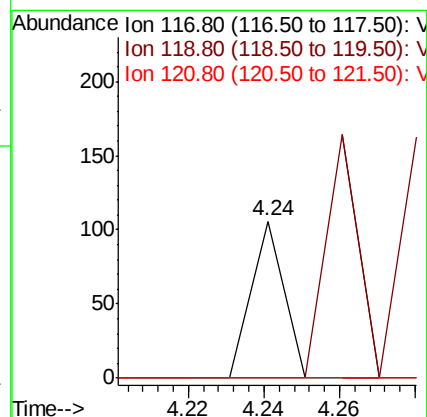
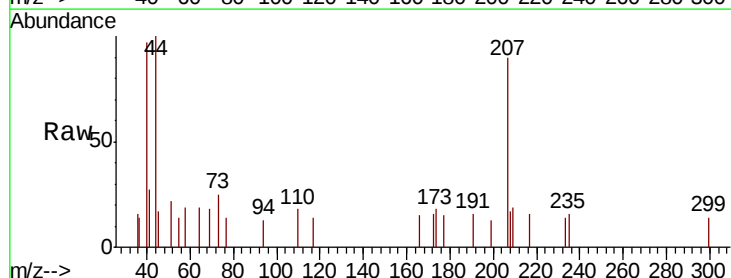
Tgt Ion: 117 Resp: 63

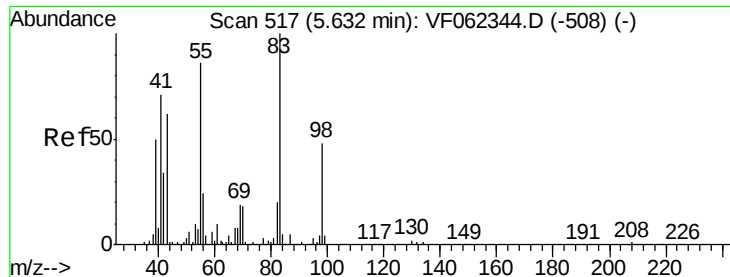
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 27.4 41.0#

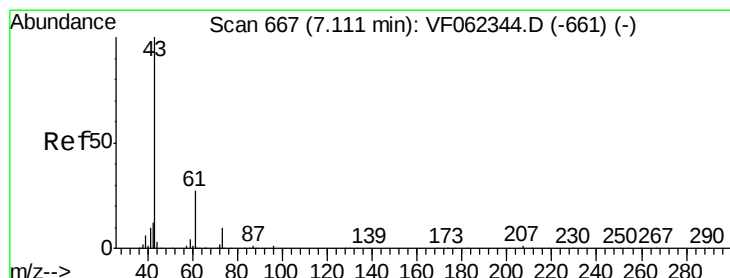
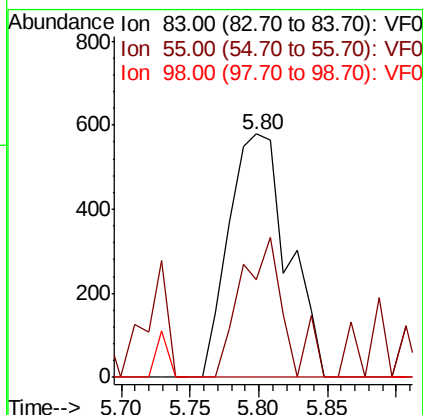
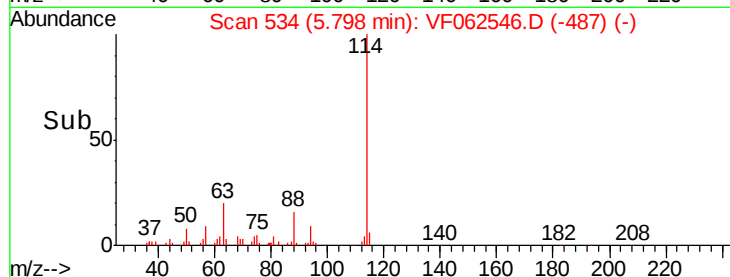
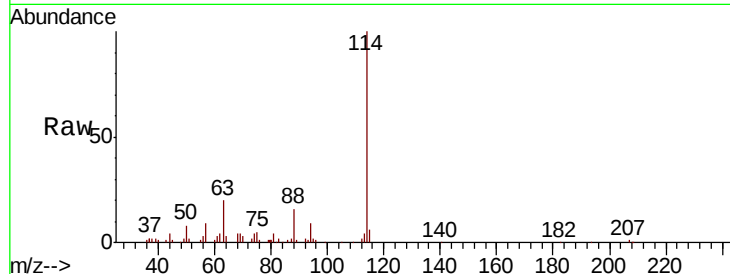




#39
Methylcyclohexane
Concen: 2.368 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.17 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

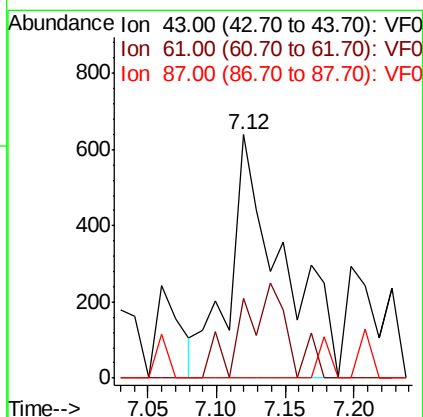
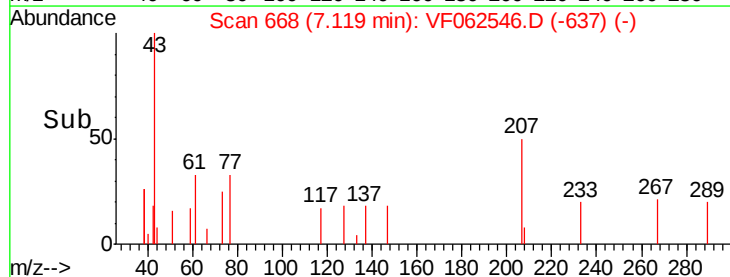
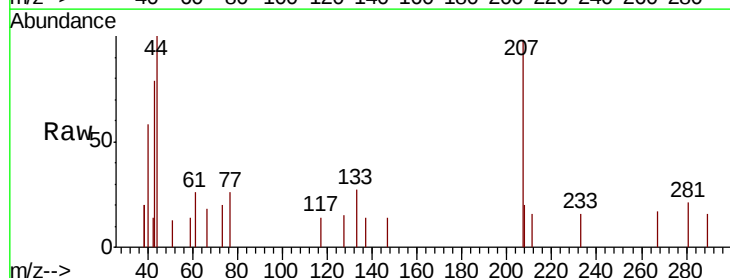
Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

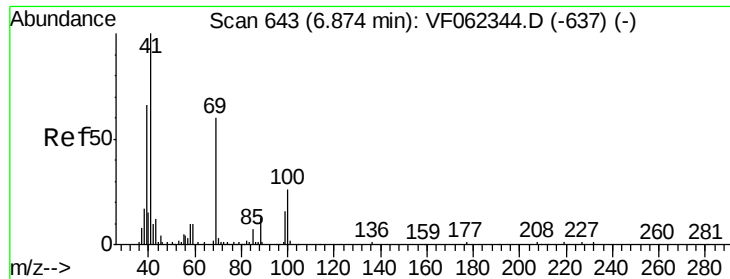
Tot Ion: 83 Resp: 1731
Ion Ratio Lower Upper
83 100
55 40.2 69.0 103.6#
98 0.0 38.6 58.0#



#43
Isopropyl Acetate
Concen: 5.119 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
61 34.6 22.8 34.2#
87 0.0 0.6 1.0#

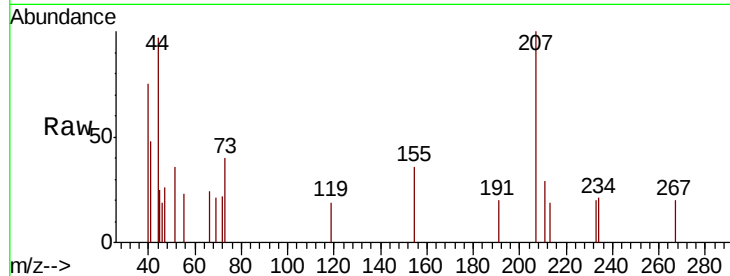




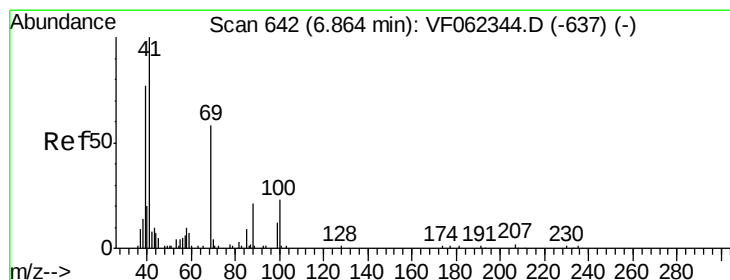
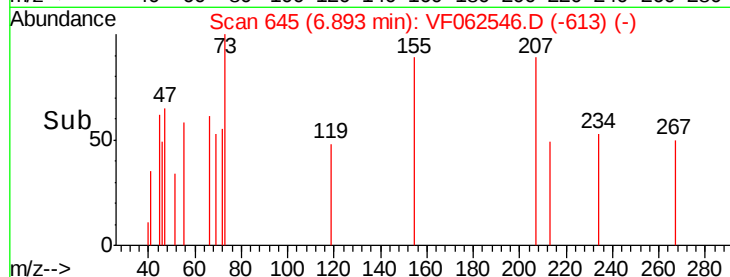
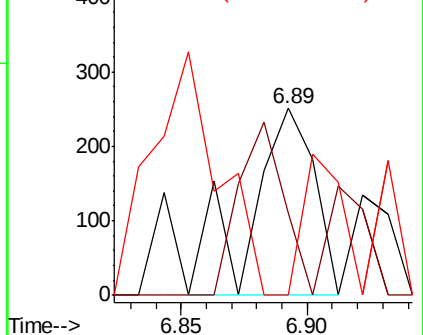
#48
Methvl methacrvlate
Concen: 1.904 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

Tot Ion: 41 Resp: 446
Ion Ratio Lower Upper
41 100
69 65.5 48.6 72.8
39 45.3 56.1 84.1#

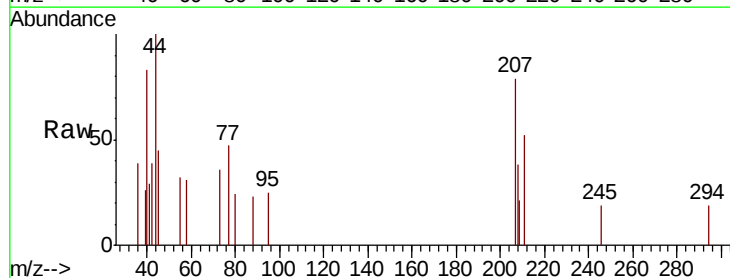


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

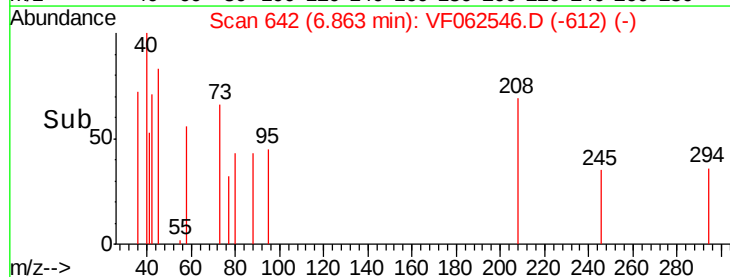
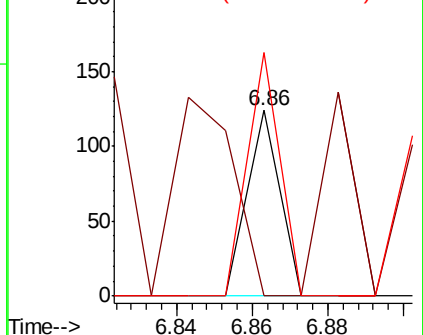


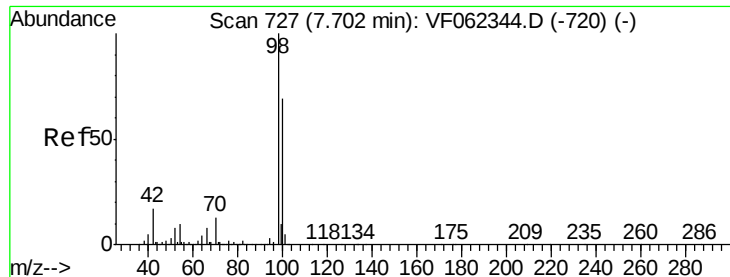
#49
1,4-Dioxane
Concen: 17.460 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 109.6 55.6 83.4#
58 131.5 52.8 79.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 37.730 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

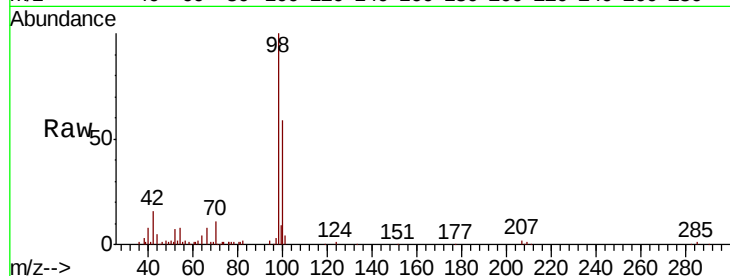
FK-0D015-03-004

Tot Ion: 98 Resp: 61730

Ion Ratio Lower Upper

98 100

100 67.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.73

30000

25000

20000

15000

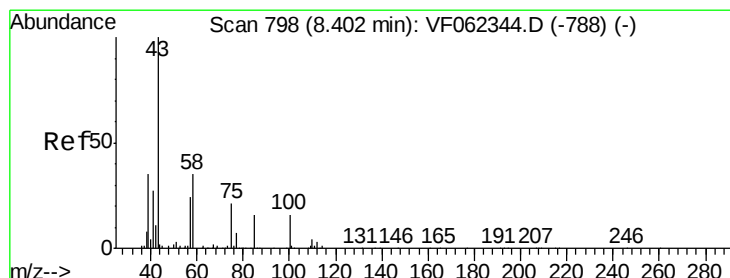
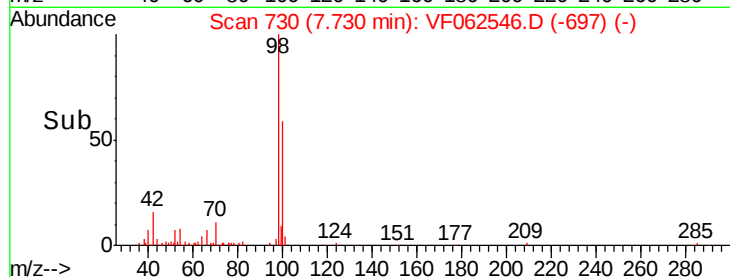
10000

5000

0

Time-->

7.60 7.70 7.80 7.90



#51

4-Methyl-2-Pentanone

Concen: 14.563 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062546.D

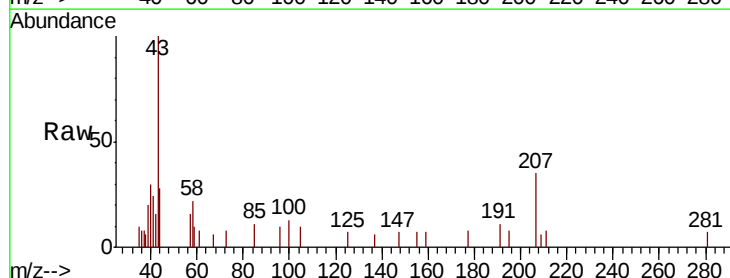
Acq: 13 May 2019 17:19

Tgt Ion: 43 Resp: 3658

Ion Ratio Lower Upper

43 100

58 31.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

2000

1500

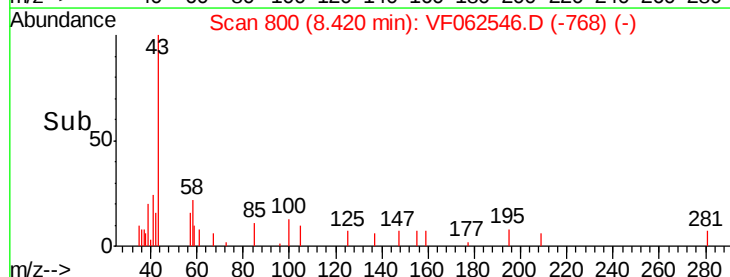
1000

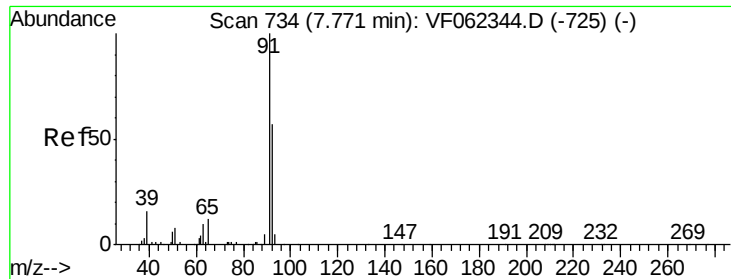
500

0

Time-->

8.30 8.35 8.40 8.45





#52

Toluene

Concen: 1.162 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

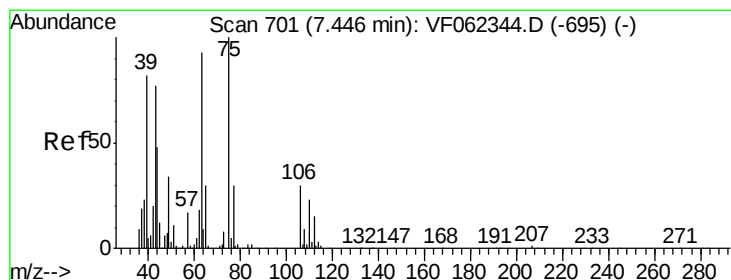
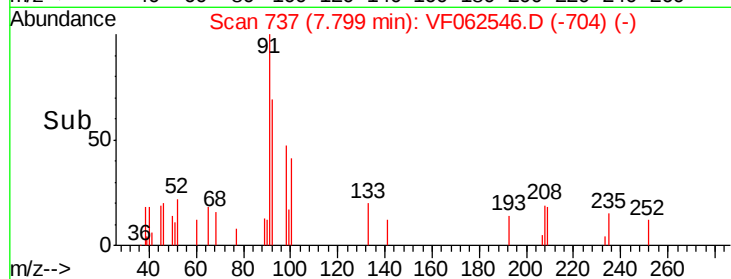
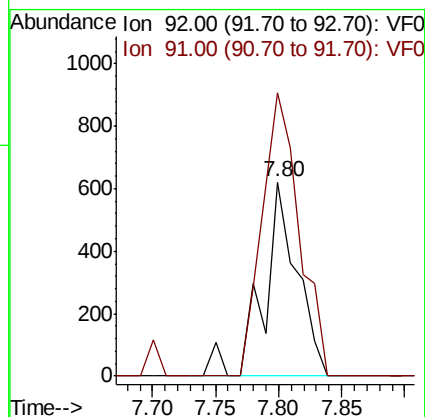
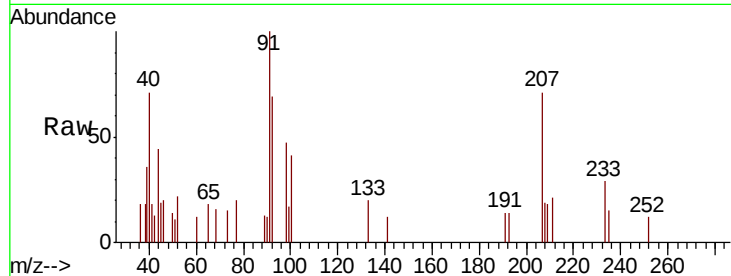
FK-0D015-03-004

Tot Ion: 92 Resp: 1150

Ion Ratio Lower Upper

92 100

91 162.2 138.7 208.1



#58

2-Chloroethyl Vinyl ether

Concen: 1.343 ug/l

RT: 7.33 min Scan# 689

Delta R.T. -0.12 min

Lab File: VF062546.D

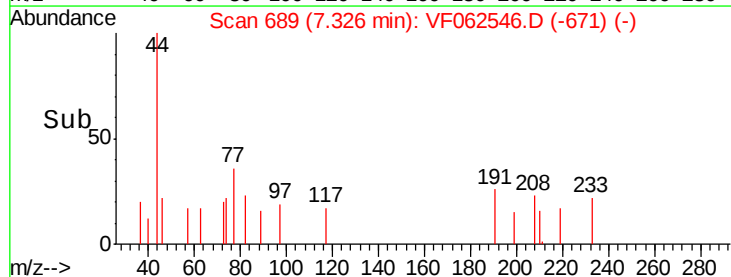
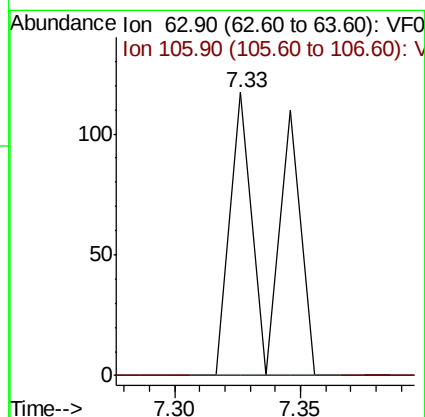
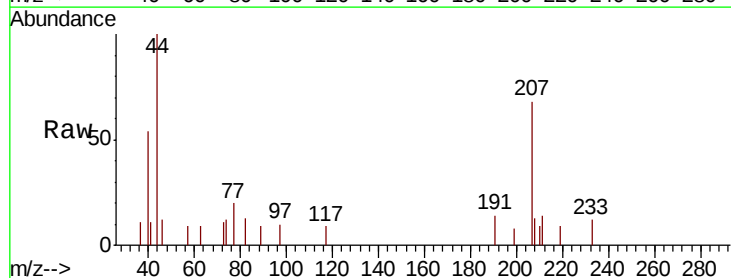
Acq: 13 May 2019 17:19

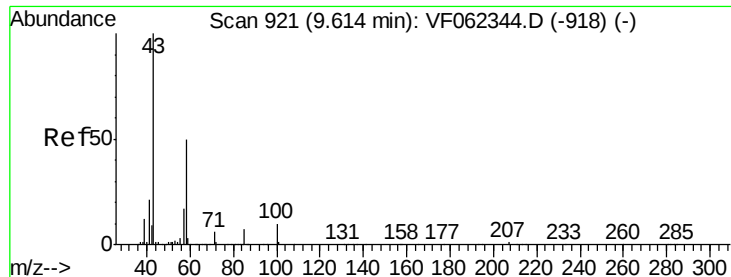
Tgt Ion: 63 Resp: 134

Ion Ratio Lower Upper

63 100

106 0.0 25.8 38.8#

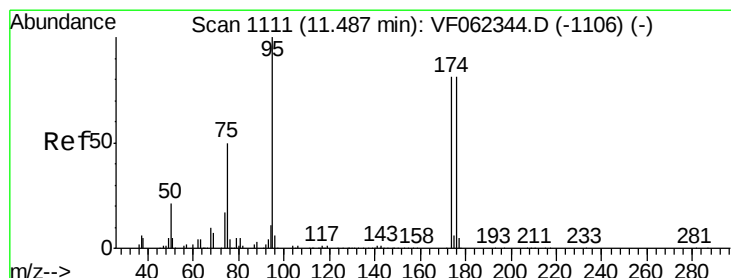
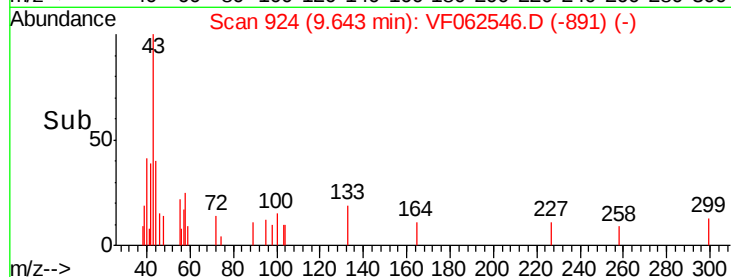
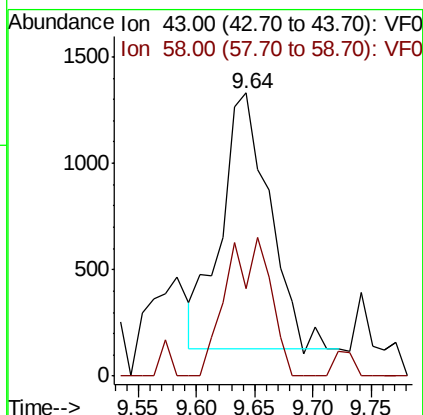
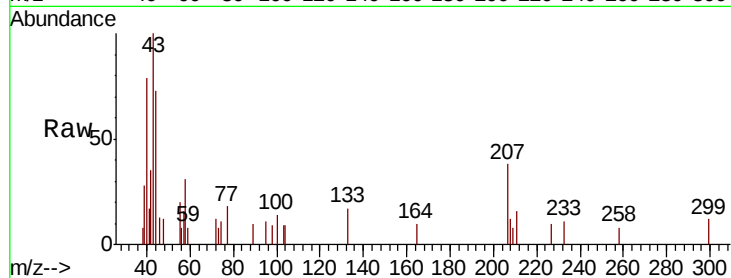




#59
2-Hexanone
Concen: 19.808 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.03 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

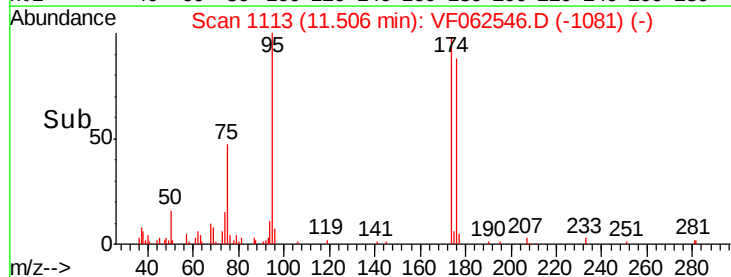
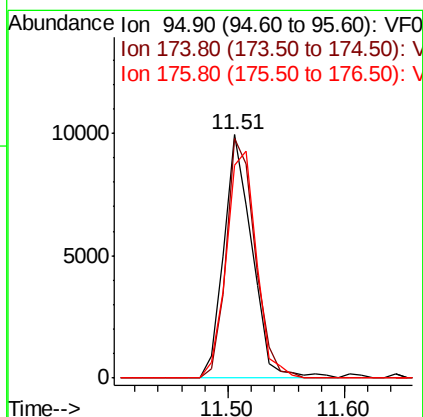
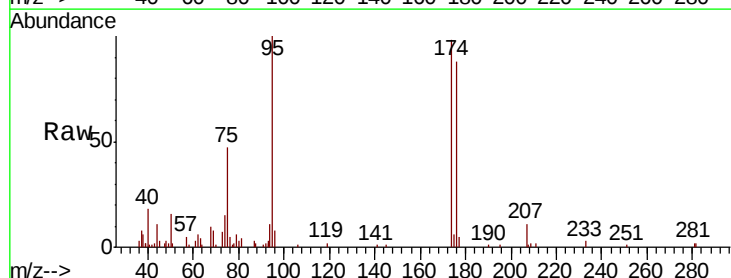
Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

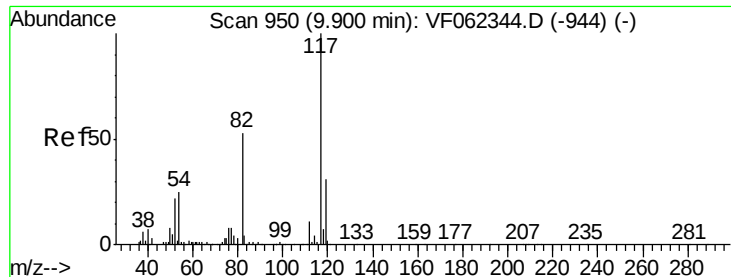
Tot Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
58 49.2 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 22.575 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion: 95 Resp: 16664
Ion Ratio Lower Upper
95 100
174 100.2 0.0 191.8
176 99.7 0.0 193.2

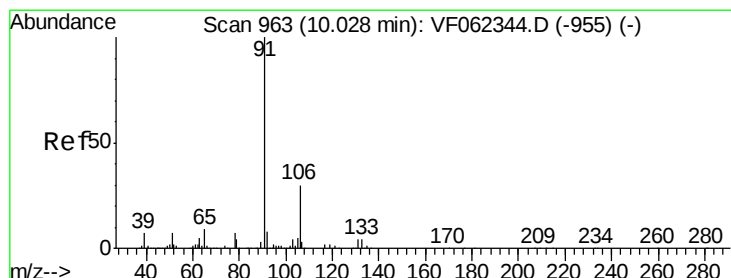
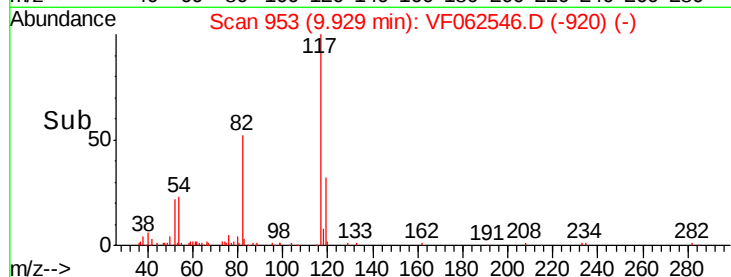
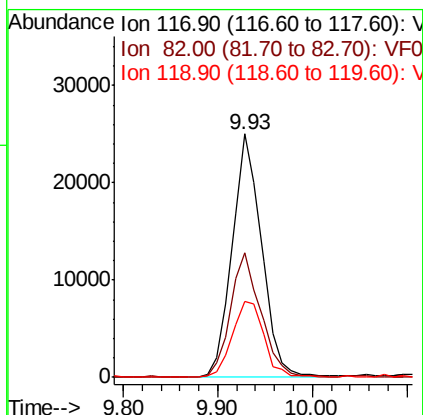
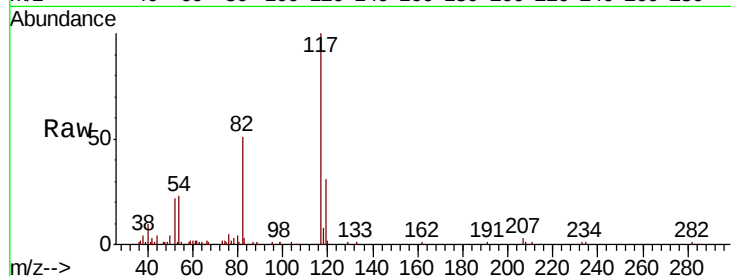




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

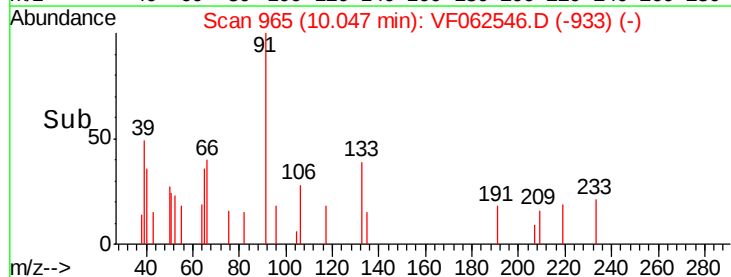
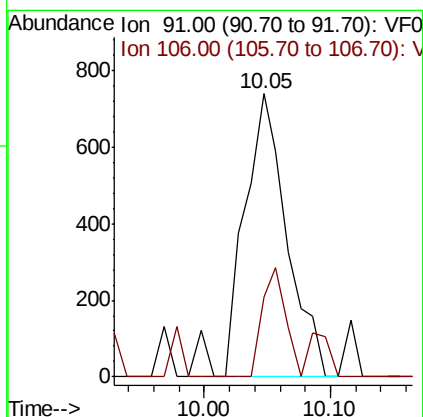
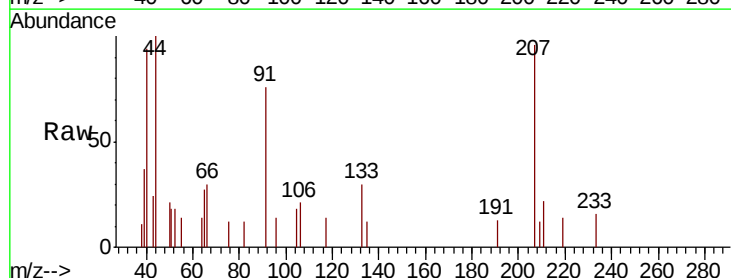
Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

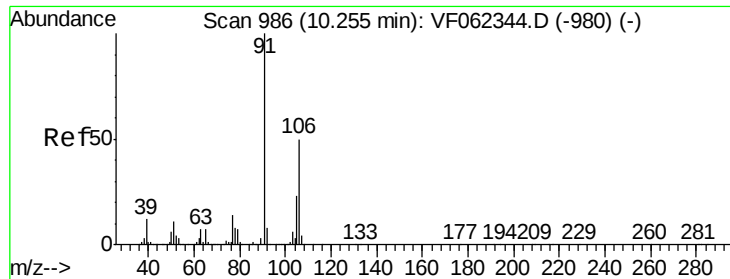
Tot Ion:117 Resp: 54199
Ion Ratio Lower Upper
117 100
82 51.3 42.2 63.2
119 31.4 25.0 37.4



#67
Ethyl Benzene
Concen: 1.130 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion: 91 Resp: 1774
Ion Ratio Lower Upper
91 100
106 28.0 24.1 36.1

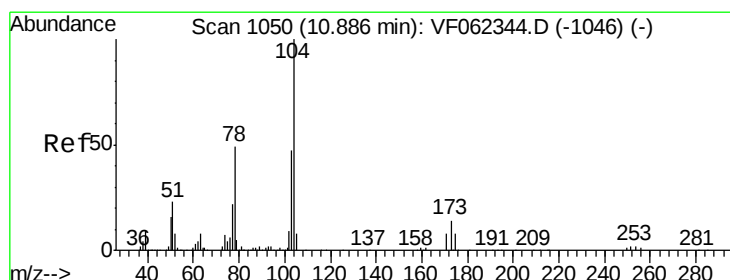
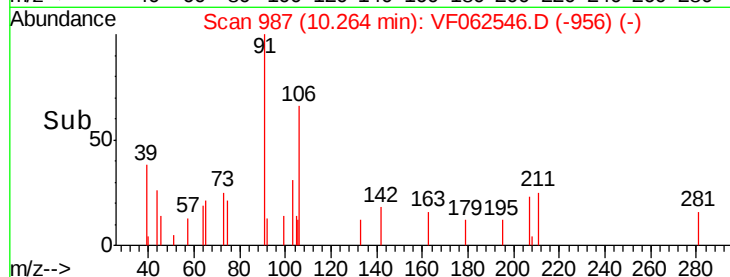
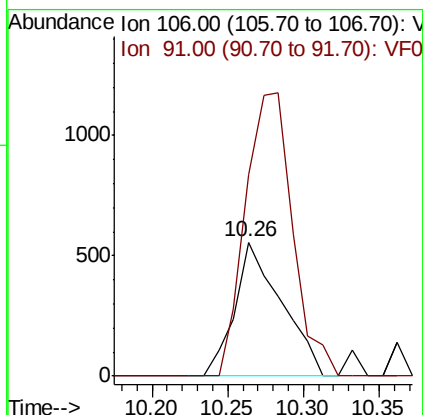
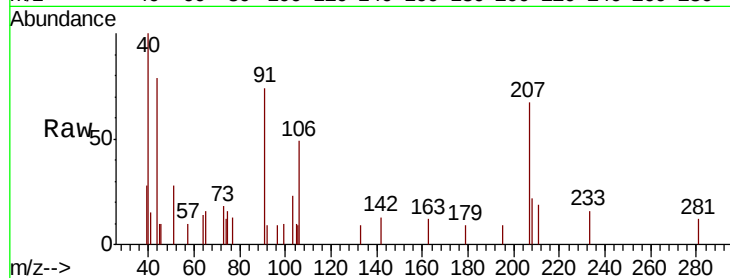




#68
m/p-Xvlenes
Concen: 2.069 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

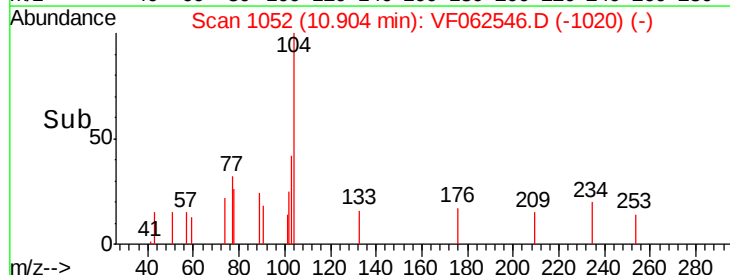
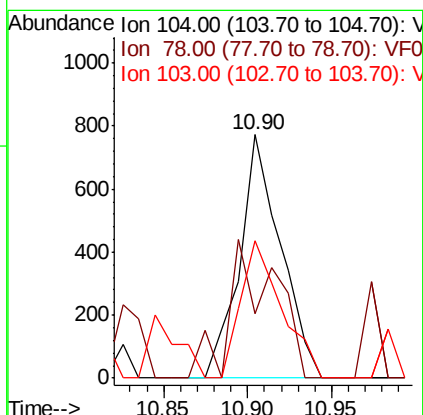
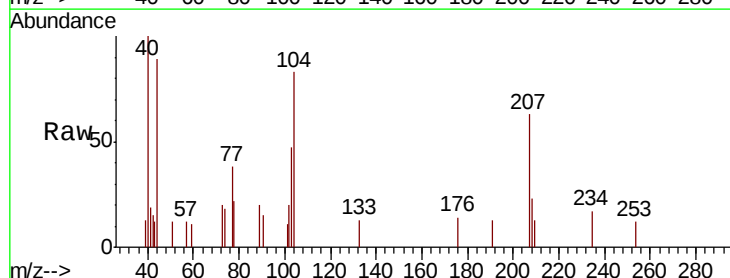
Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

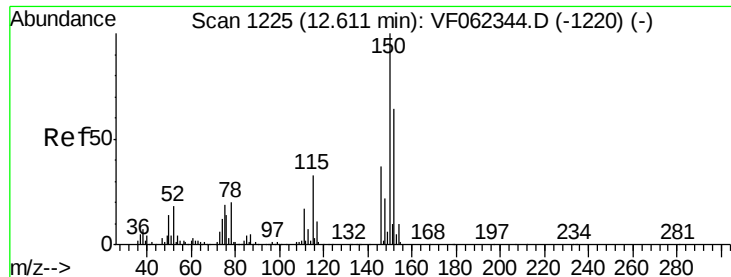
Tot Ion:106 Resp: 1199
Ion Ratio Lower Upper
106 100
91 214.1 167.4 251.2



#70
Styrene
Concen: 1.394 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion:104 Resp: 1308
Ion Ratio Lower Upper
104 100
78 63.9 39.5 59.3#
103 56.3 38.4 57.6



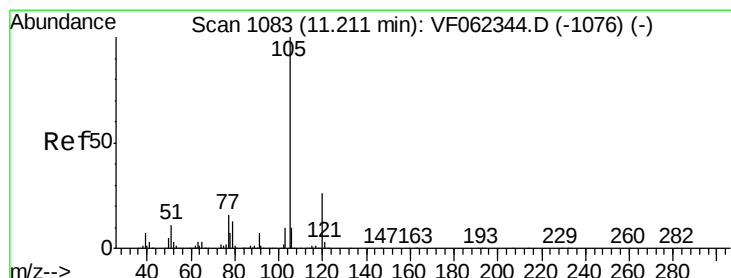
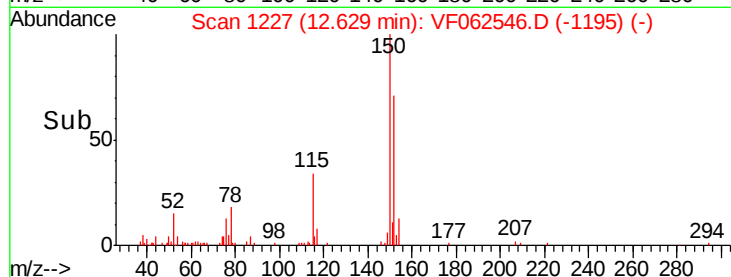
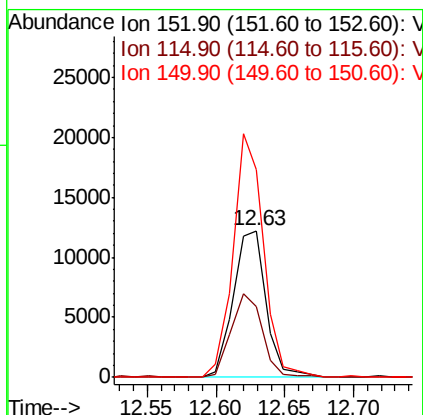
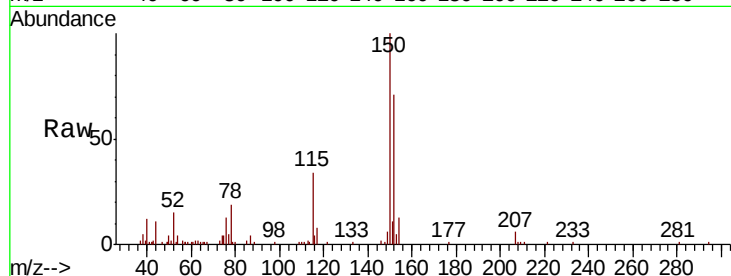


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

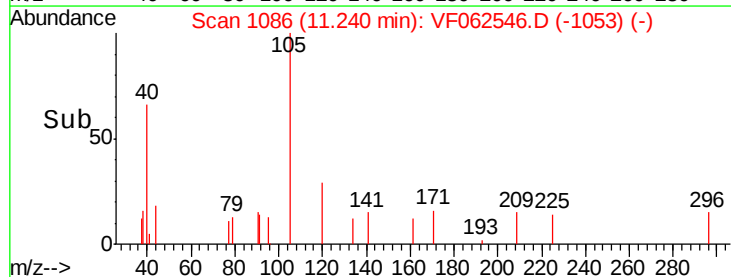
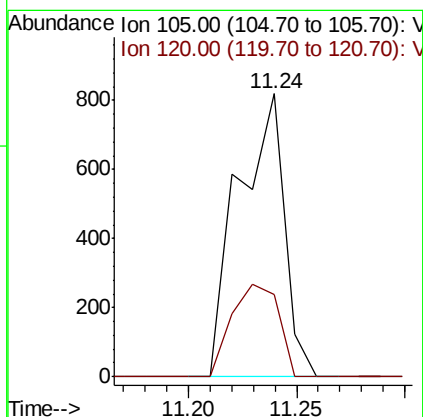
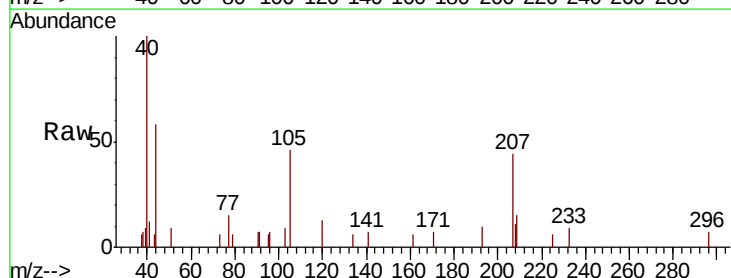
Tot Ion:152 Resp: 20243
Ion Ratio Lower Upper
152 100
115 54.6 26.4 79.2
150 153.9 0.0 335.0

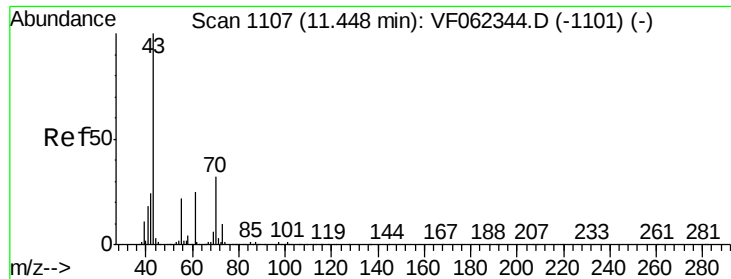


#73

Isopropylbenzene
Concen: 1.020 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. 0.03 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion:105 Resp: 1224
Ion Ratio Lower Upper
105 100
120 33.3 12.7 38.0





#74

N-amvl acetate

Concen: 6.381 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-004

Tot Ion: 43 Resp: 1644

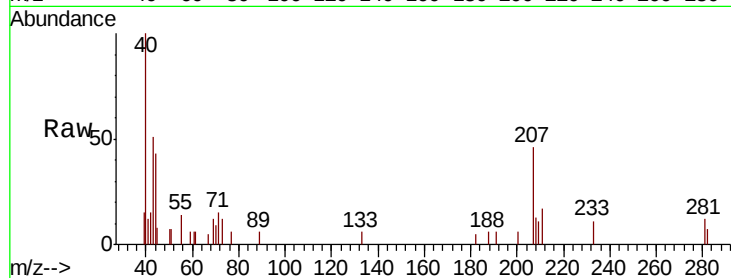
Ion Ratio Lower Upper

43 100

70 19.5 26.5 39.7#

55 43.6 17.8 26.6#

61 20.9 20.2 30.2



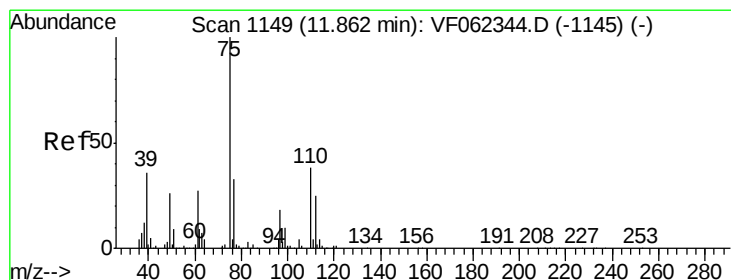
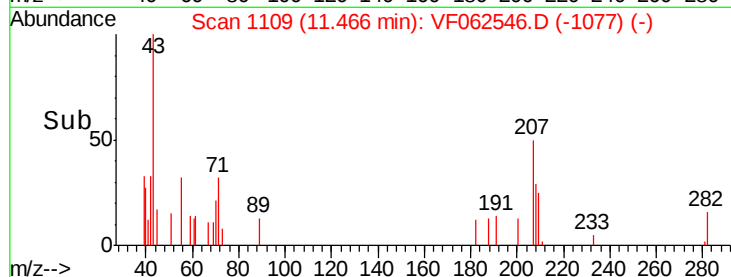
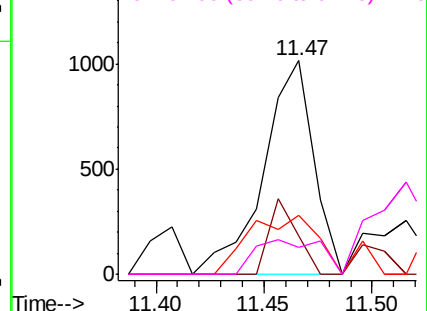
Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 1.249 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062546.D

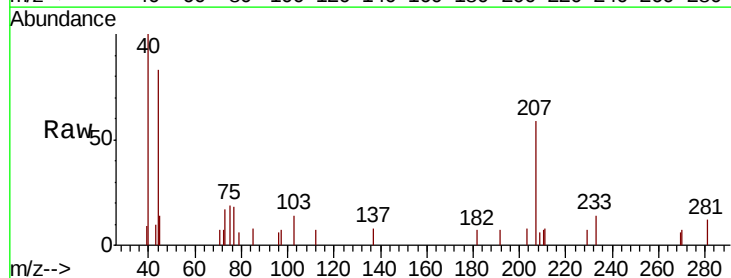
Acq: 13 May 2019 17:19

Tgt Ion: 75 Resp: 179

Ion Ratio Lower Upper

75 100

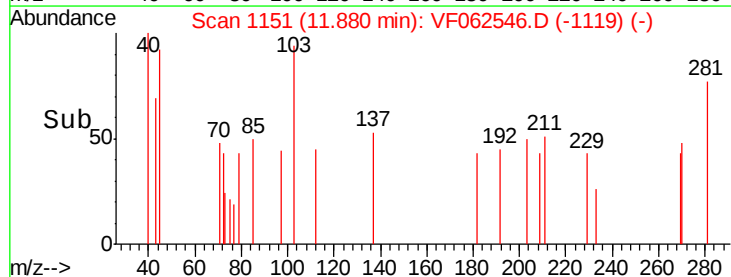
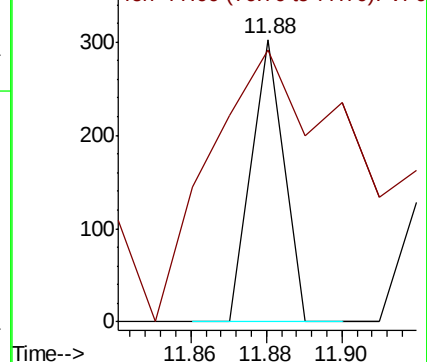
77 505.0 0.0 0.0#

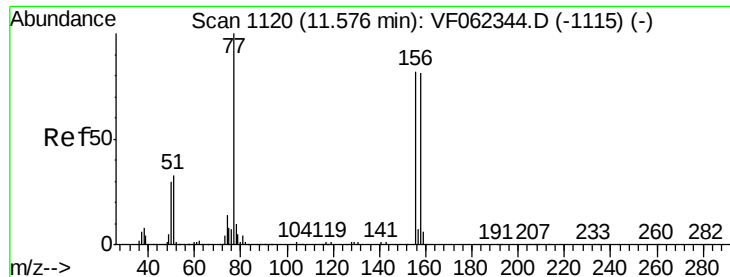


Abundance

Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 1.229 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-004

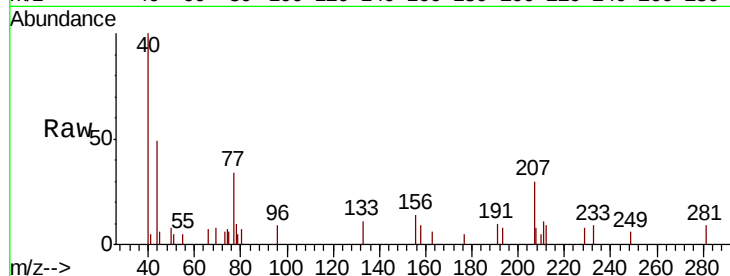
Tot Ion:156 Resp: 387

Ion Ratio Lower Upper

156 100

77 370.3 64.8 194.3#

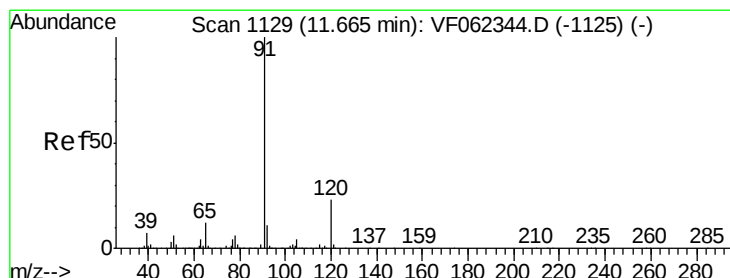
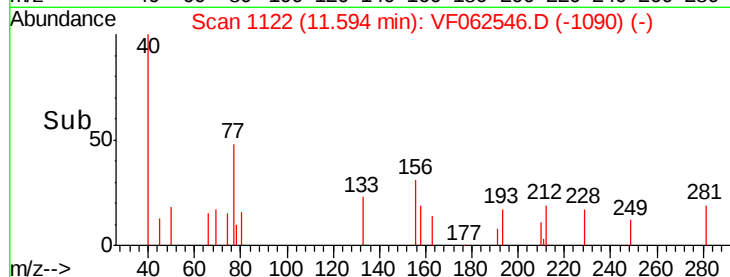
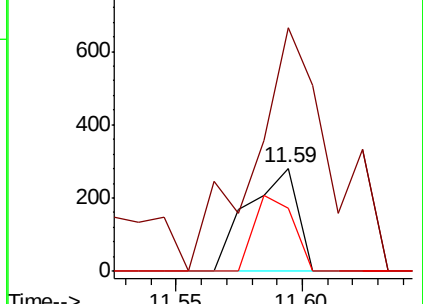
158 57.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.424 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062546.D

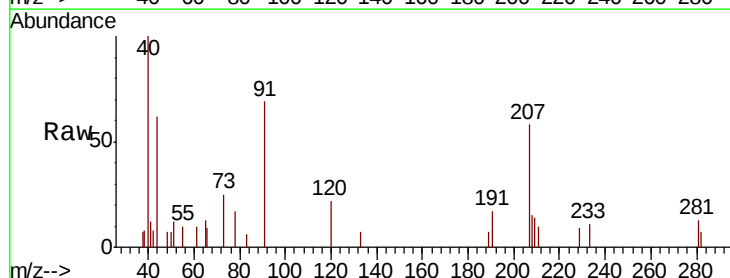
Acq: 13 May 2019 17:19

Tgt Ion: 91 Resp: 1819

Ion Ratio Lower Upper

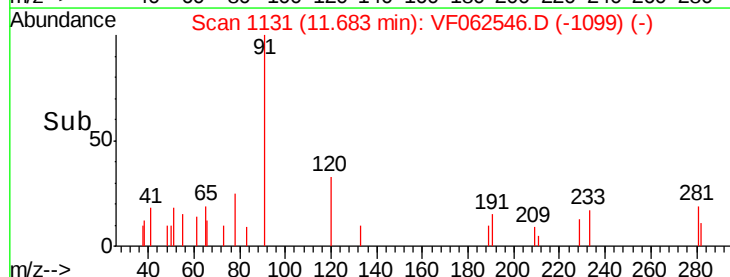
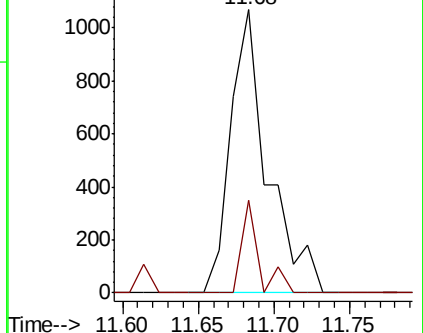
91 100

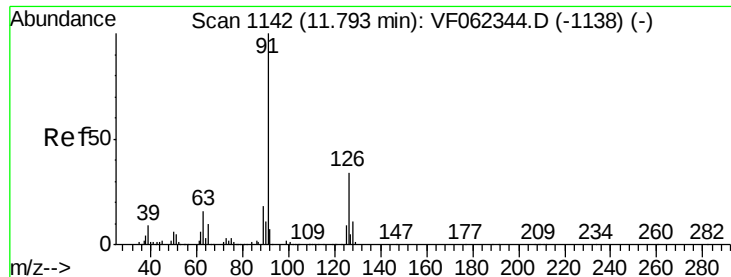
120 14.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

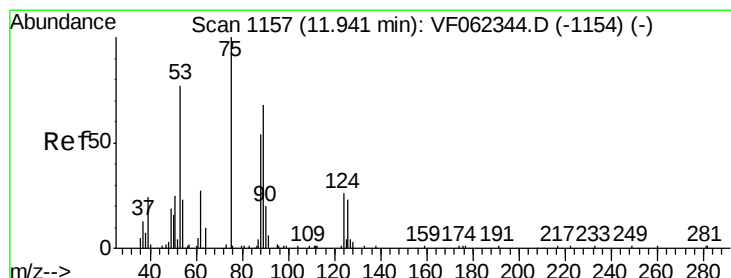
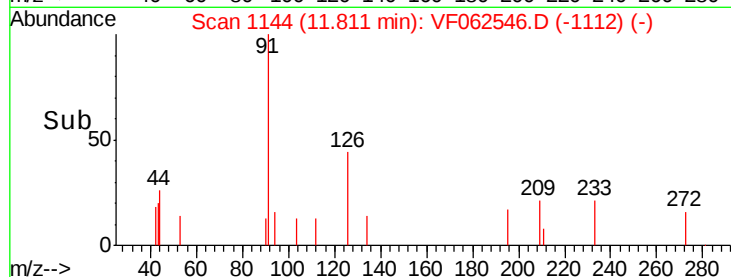
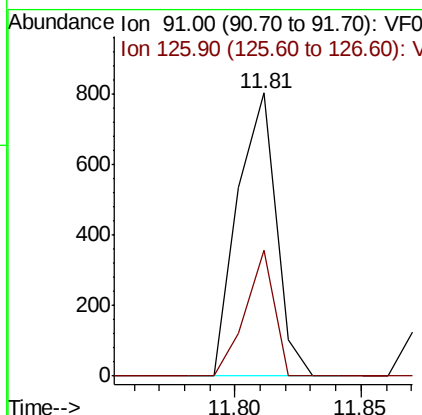
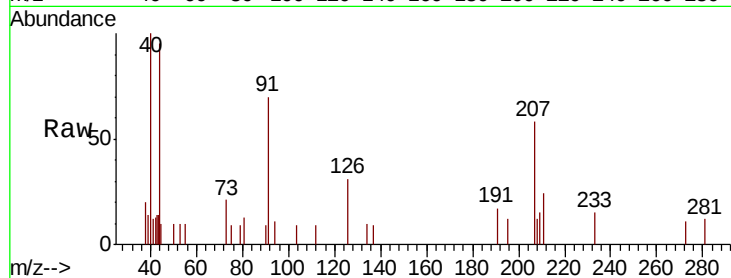




#79
2-Chlorotoluene
Concen: 1.072 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

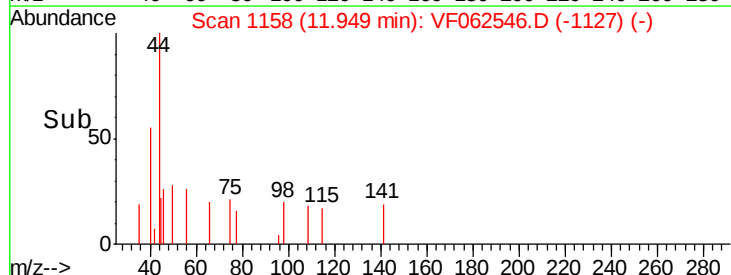
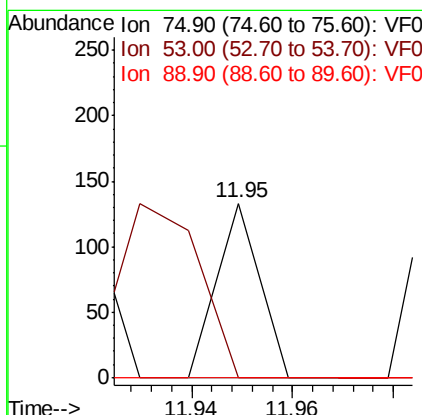
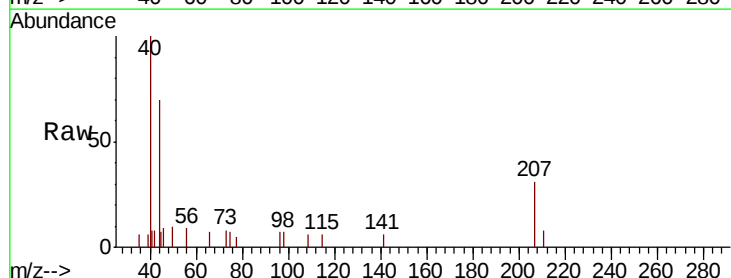
Instrument :
MSVOA_F
ClientSampleId :
FK-0D015-03-004

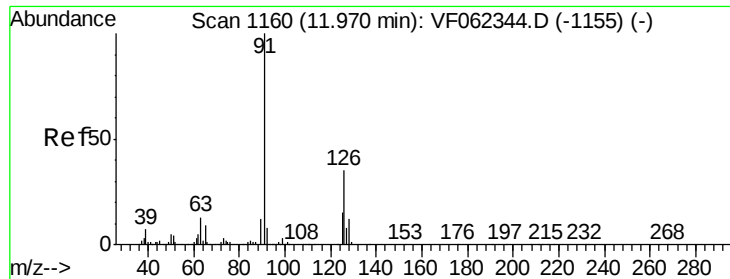
Tot Ion: 91 Resp: 852
Ion Ratio Lower Upper
91 100
126 33.1 17.8 53.4



#81
trans-1,4-Dichloro-2-butene
Concen: 1.466 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VF062546.D
Acq: 13 May 2019 17:19

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
53 0.0 71.9 107.9#
89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 1.448 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

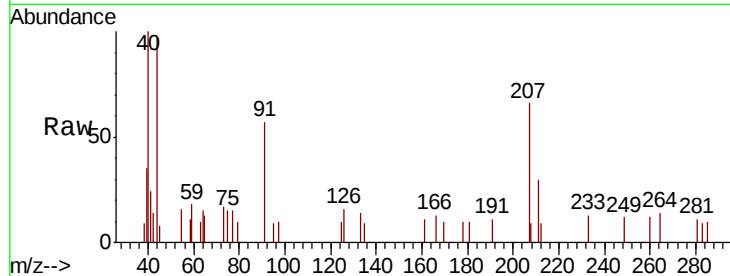
FK-0D015-03-004

Tot Ion: 91 Resp: 1136

Ion Ratio Lower Upper

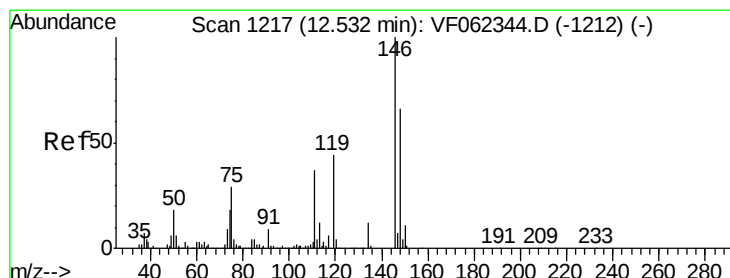
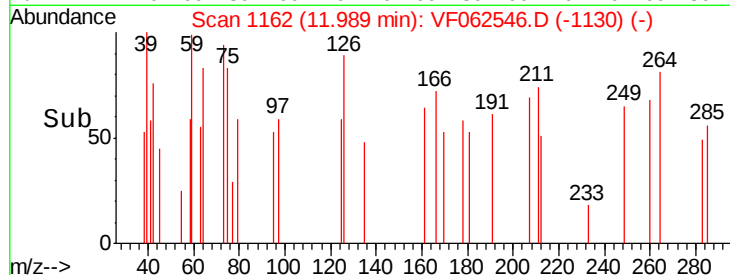
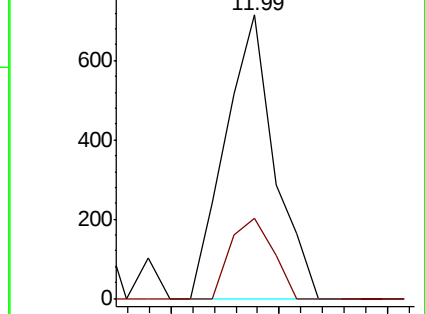
91 100

126 24.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#87

1,3-Dichlorobenzene

Concen: 1.241 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.11 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

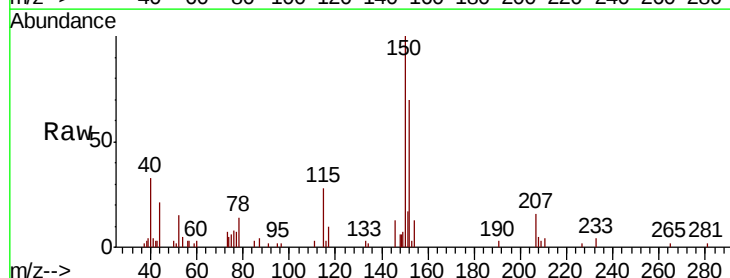
Tgt Ion: 146 Resp: 714

Ion Ratio Lower Upper

146 100

111 35.0 18.3 54.8

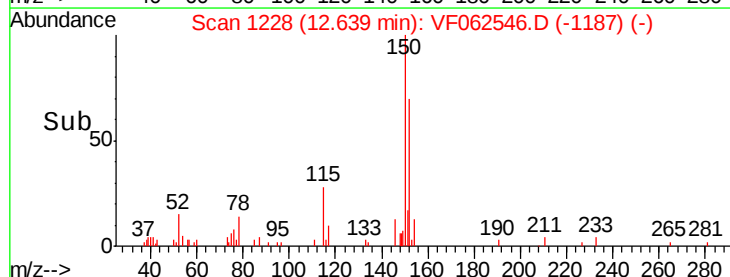
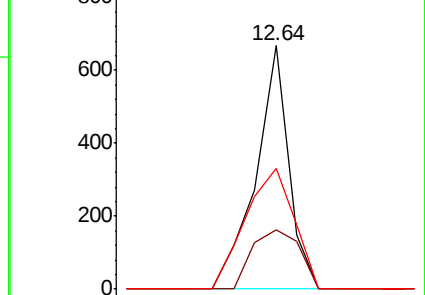
148 73.1 32.3 96.9

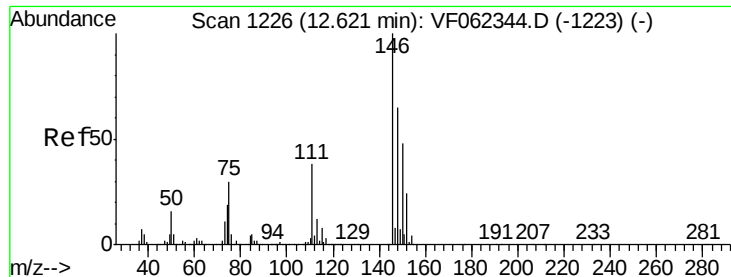


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

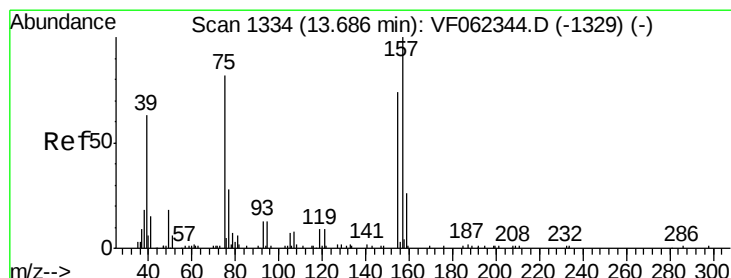
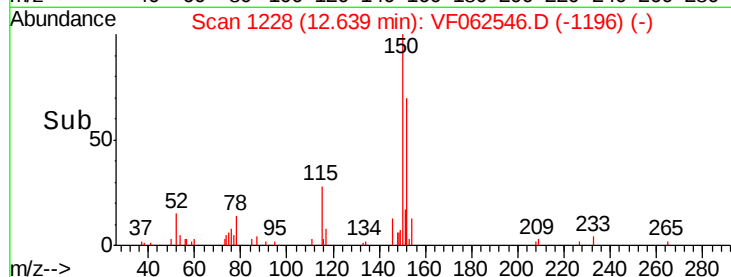
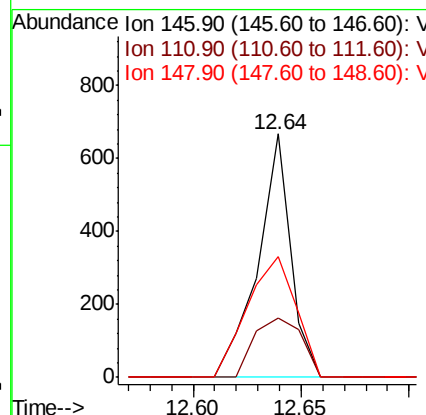
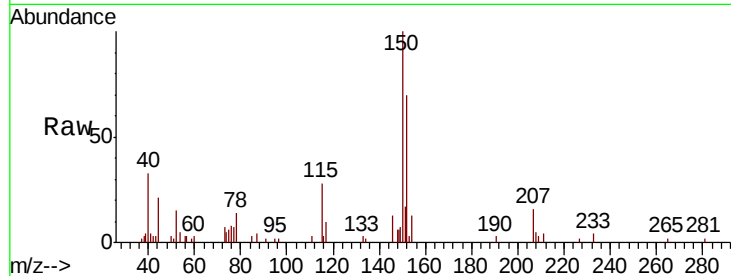




#88
 1,4-Dichlorobenzene
 Concen: 1.286 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062546.D
 Acq: 13 May 2019 17:19

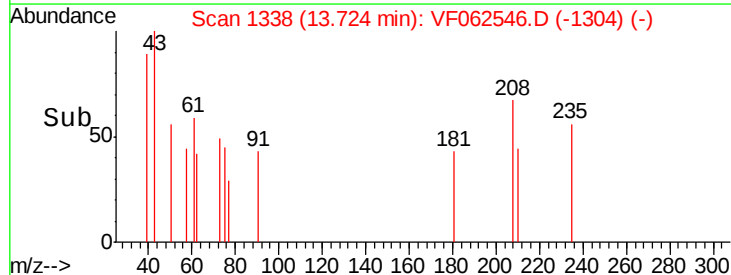
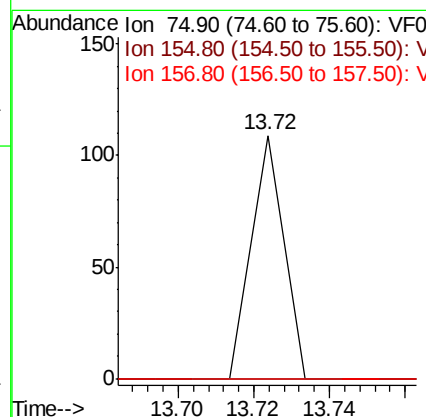
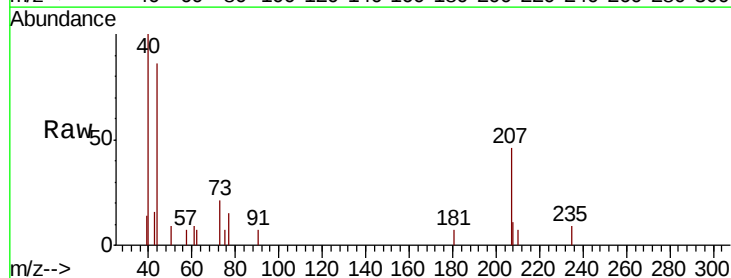
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-0D015-03-004

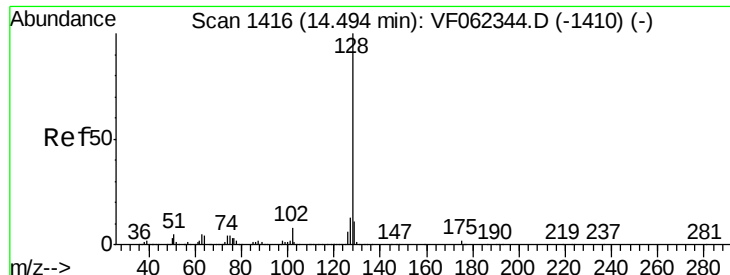
Tot Ion:146 Resp: 714
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.8 56.3
 148 73.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.520 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.04 min
 Lab File: VF062546.D
 Acq: 13 May 2019 17:19

Tgt Ion: 75 Resp: 64
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.8 155.4#
 157 0.0 67.3 201.8#





#95

Naphthalene

Concen: 2.025 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062546.D

Acq: 13 May 2019 17:19

Instrument :

MSVOA_F

ClientSampleId :

FK-0D015-03-004

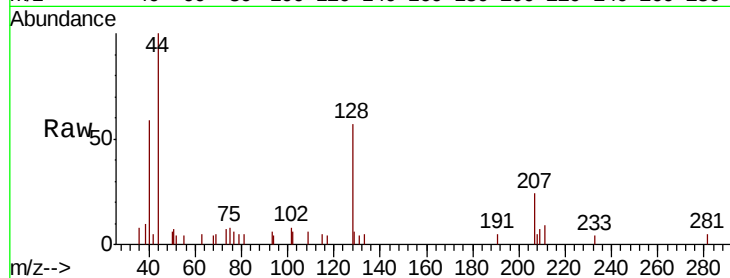
Tot Ion:128 Resp: 1520

Ion Ratio Lower Upper

128 100

127 5.3 10.5 15.7#

129 19.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

