

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062526.D
 Acq On : 13 May 2019 3:24
 Operator : FY/SY
 Sample : K2756-07RE
 Misc : 5.38g/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-0206-01

Quant Time: May 13 04:51:57 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	5.07	168	265494	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	366114	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	271084	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	139565	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	106363	42.39	ug/l	0.03
Spiked Amount 50.000			Recovery	=	84.78%	
35) Dibromofluoromethane	4.33	113	136177	46.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.38%	
50) Toluene-d8	7.74	98	272494	38.59	ug/l	0.03
Spiked Amount 50.000			Recovery	=	77.18%	
62) 4-Bromofluorobenzene	11.51	95	105518	33.13	ug/l	0.02
Spiked Amount 50.000			Recovery	=	66.26%	

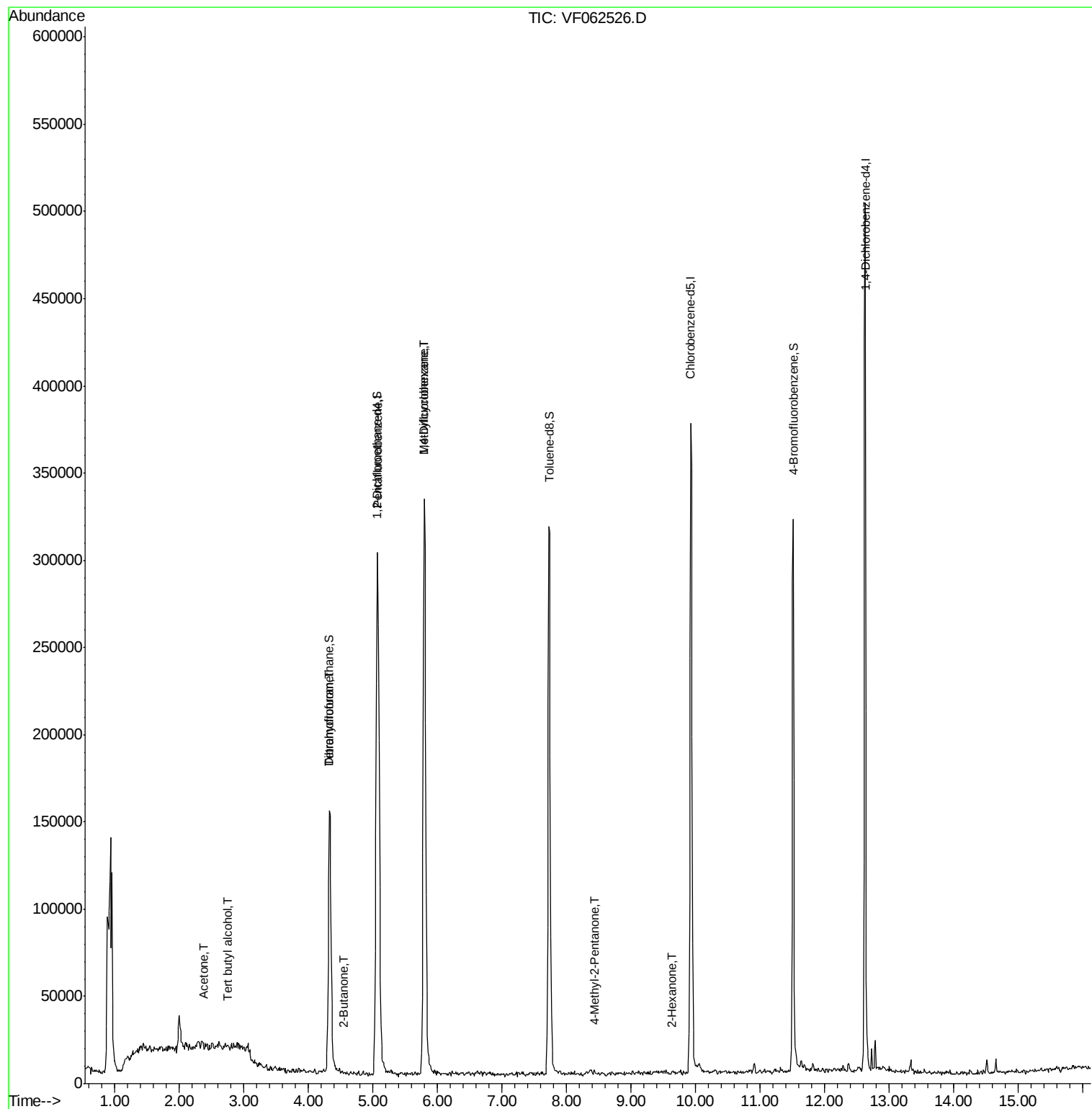
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.43	94	436	Below Cal	#	65
11) Tert butyl alcohol	2.74	59	357	2.518	ug/l #	44
13) Acrolein	2.04	56	522	Below Cal	#	56
16) Acetone	2.37	43	5265	10.373	ug/l #	62
18) Methyl Acetate	2.50	43	936	Below Cal	#	78
25) 2-Butanone	4.54	43	910	1.427	ug/l #	60
29) Tetrahydrofuran	4.32	42	486	1.658	ug/l #	81
37) Ethyl Acetate	4.27	43	143	Below Cal	#	73
38) Carbon Tetrachloride	4.20	117	89	Below Cal	#	14
39) Methylcyclohexane	5.80	83	6664	2.113	ug/l #	27
49) 1,4-Dioxane	6.83	88	66	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.44	43	1411	1.302	ug/l	89
59) 2-Hexanone	9.63	43	772	1.030	ug/l	74

(#) = 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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

Instrument :

MSVOA_F

ClientSampleId :

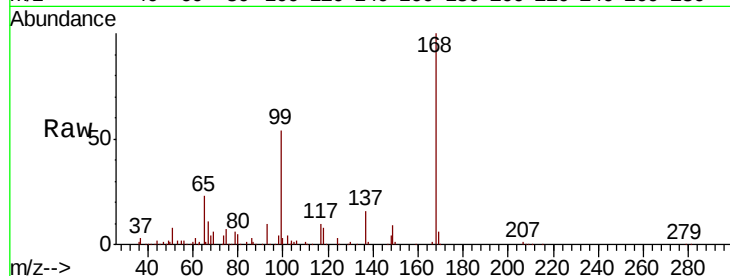
P021-SS006-0206-01

Tot Ion:168 Resp: 265494

Ion Ratio Lower Upper

168 100

99 53.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

80000

60000

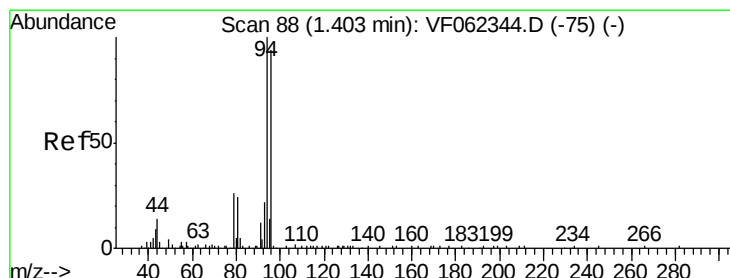
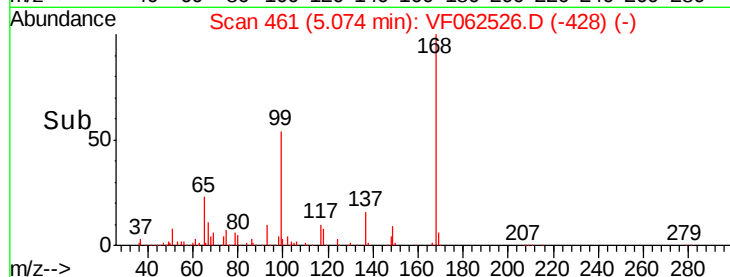
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#5

Bromomethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. 0.02 min

Lab File: VF062526.D

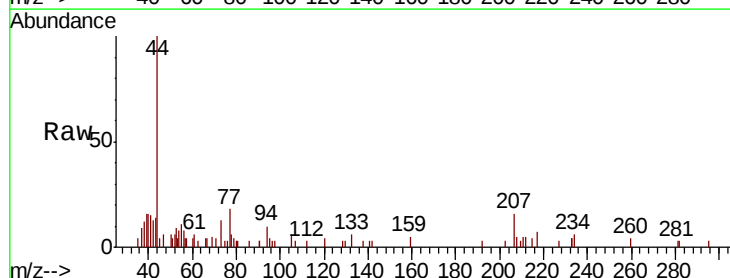
Acq: 13 May 2019 3:24

Tgt Ion: 94 Resp: 436

Ion Ratio Lower Upper

94 100

96 60.7 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

500

400

300

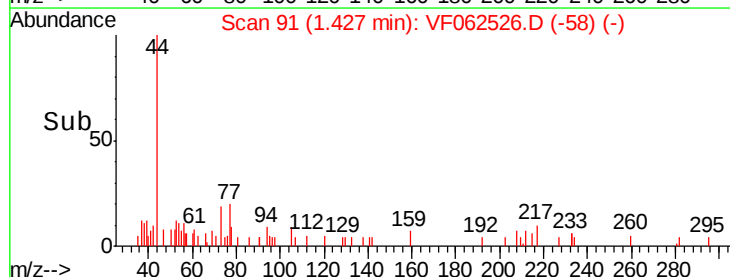
200

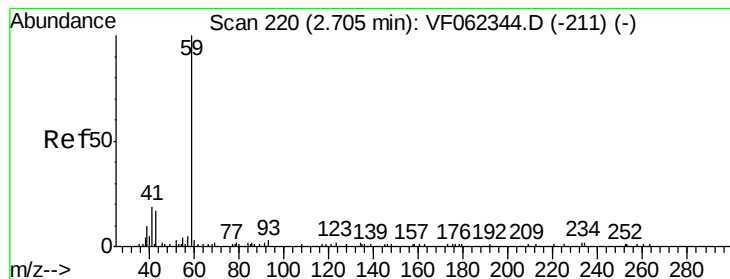
100

0

Time-->

1.38 1.40 1.42 1.44



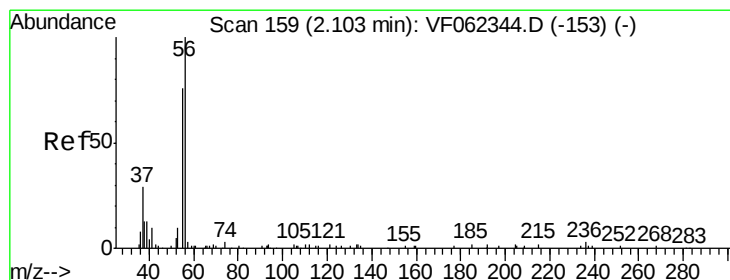
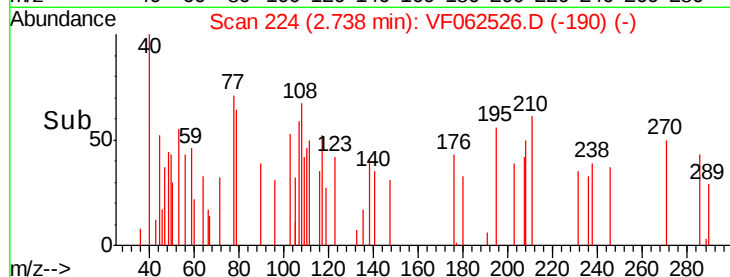
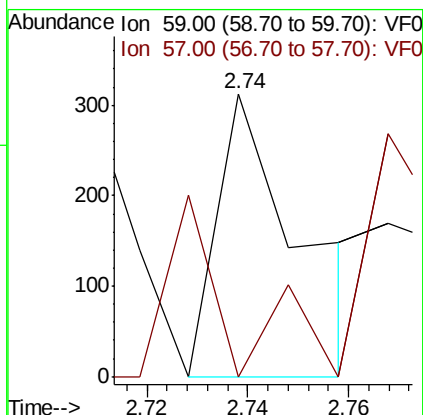
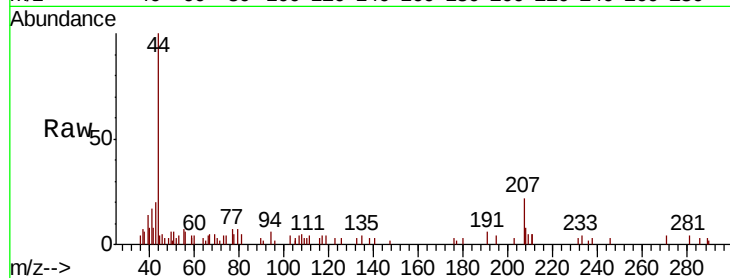


#11

Tert butyl alcohol
 Concen: 2.518 ug/l
 RT: 2.74 min Scan# 224
 Delta R.T. 0.03 min
 Lab File: VF062526.D
 Acq: 13 May 2019 3:24

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS006-0206-01

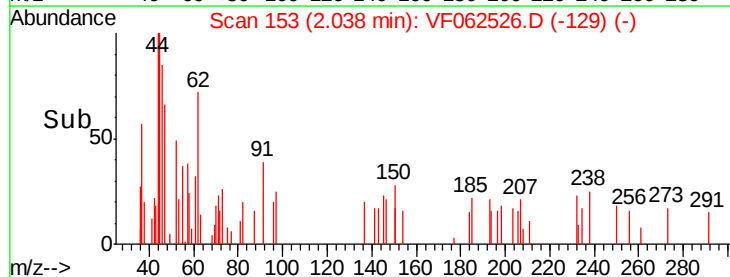
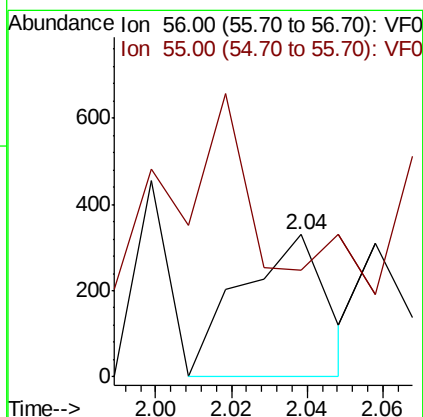
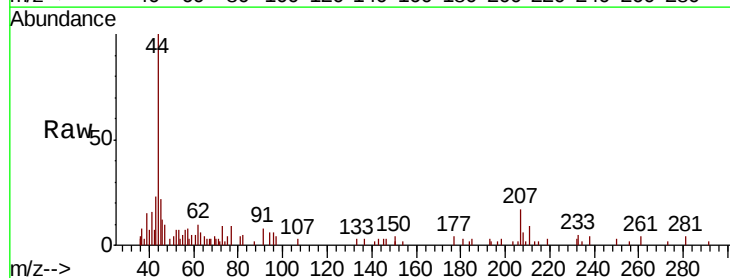
Tot Ion: 59 Resp: 357
 Ion Ratio Lower Upper
 59 100
 57 33.1 9.3 13.9#

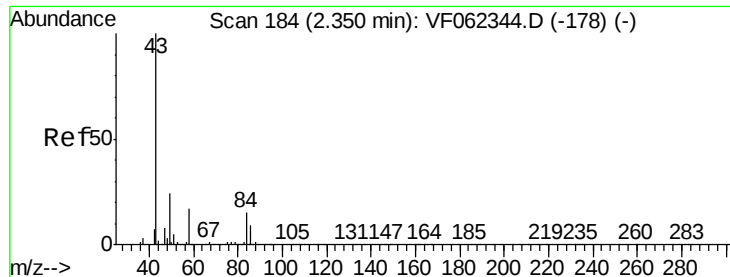


#13

Acrolein
 Concen: Below Cal
 RT: 2.04 min Scan# 153
 Delta R.T. -0.06 min
 Lab File: VF062526.D
 Acq: 13 May 2019 3:24

Tgt Ion: 56 Resp: 522
 Ion Ratio Lower Upper
 56 100
 55 110.3 58.4 87.6#

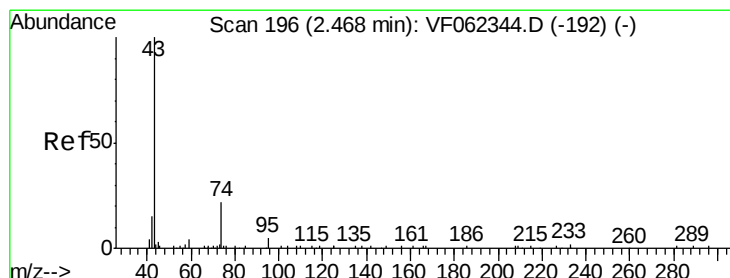
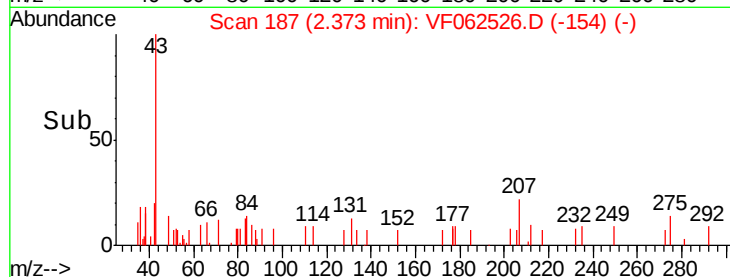
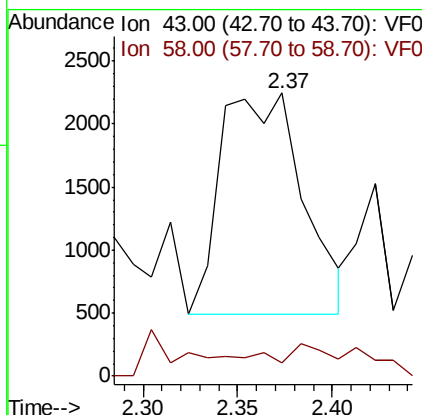
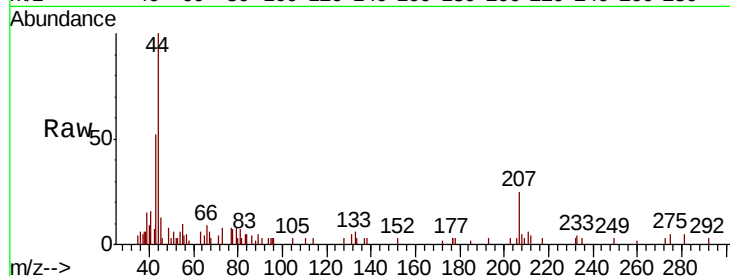




#16
Acetone
Concen: 10.373 ug/l
RT: 2.37 min Scan# 187
Delta R.T. 0.02 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

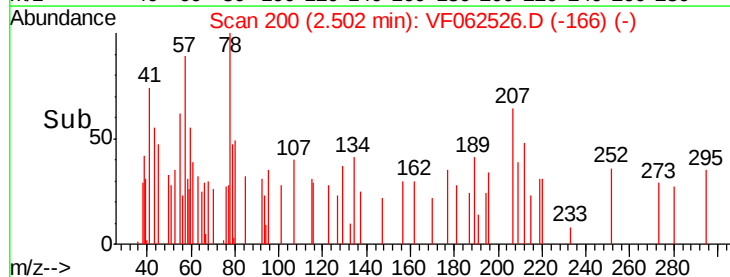
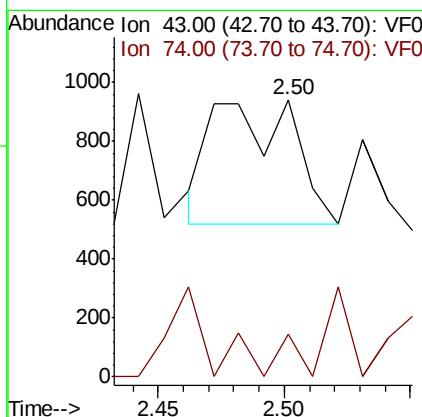
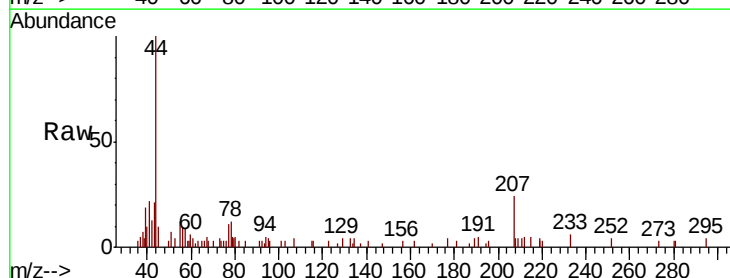
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-0206-01

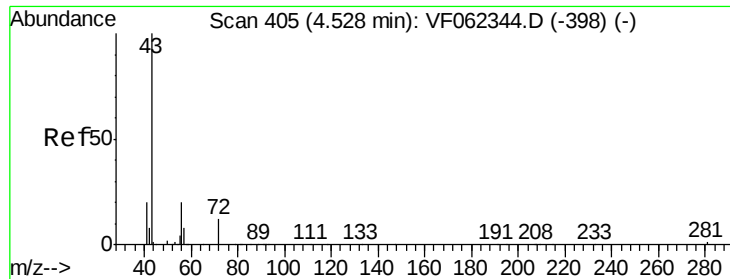
Tot Ion: 43 Resp: 5265
Ion Ratio Lower Upper
43 100
58 0.0 13.1 19.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 200
Delta R.T. 0.03 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
74 28.5 15.0 22.4#

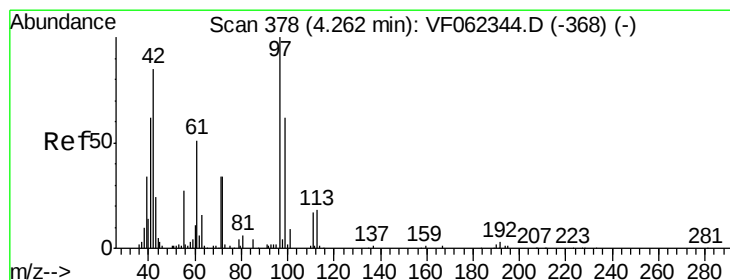
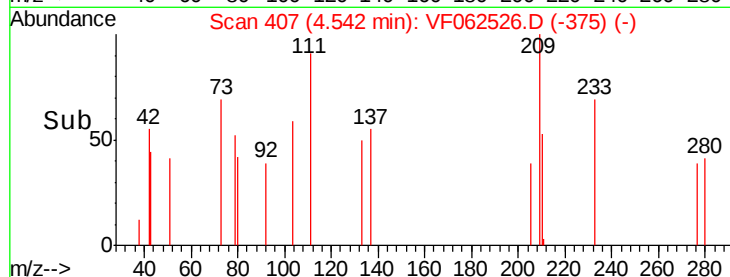
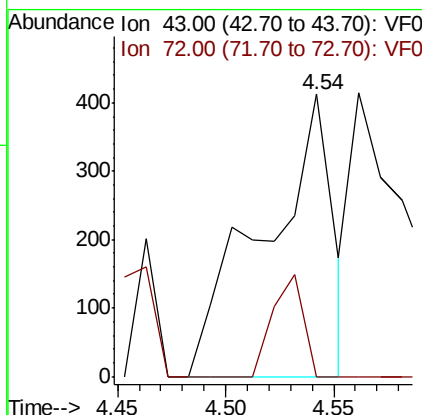
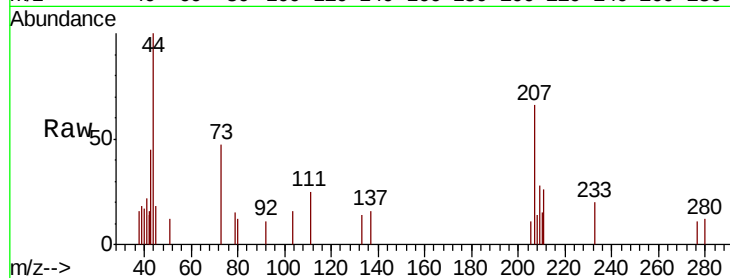




#25
2-Butanone
Concen: 1.427 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

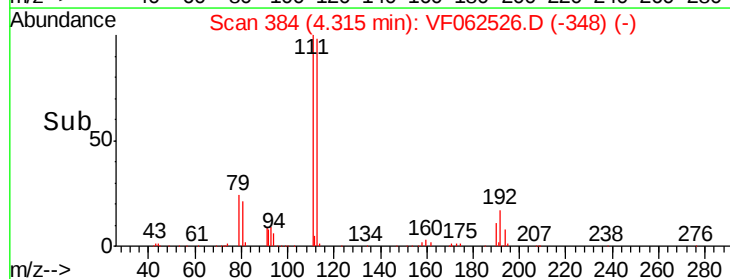
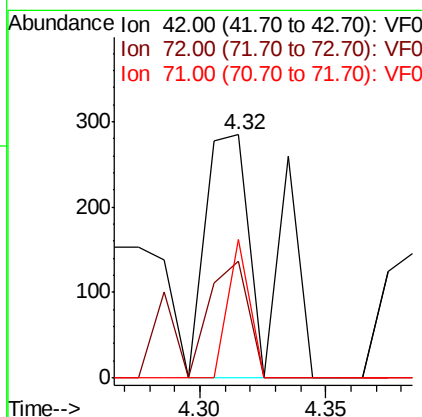
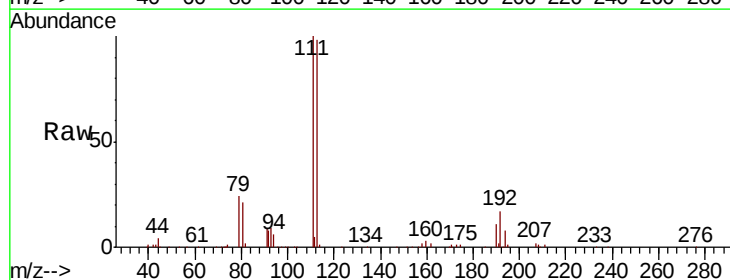
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-0206-01

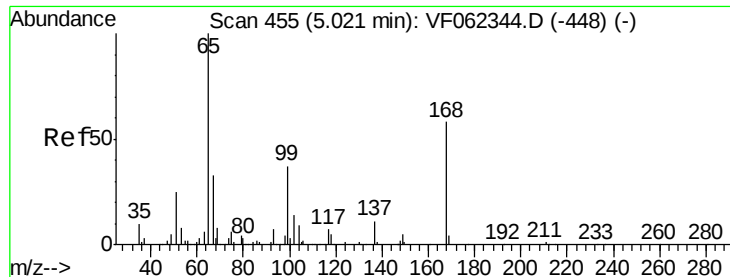
Tot Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#



#29
Tetrahydrofuran
Concen: 1.658 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.05 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

Tgt Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 42.4 31.4 47.0
71 19.8 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 42.392 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

Instrument :

MSVOA_F

ClientSampleId :

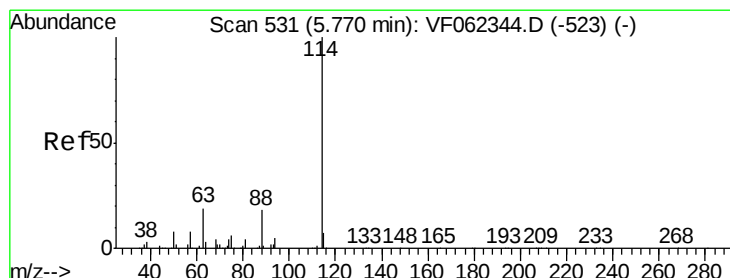
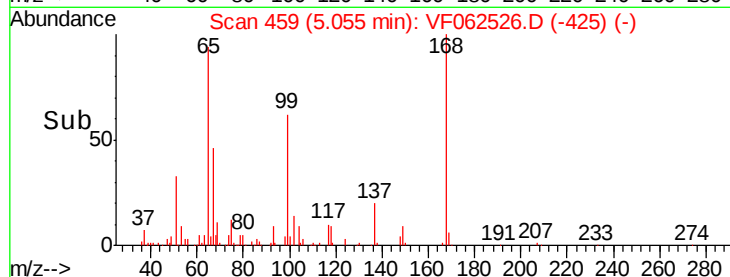
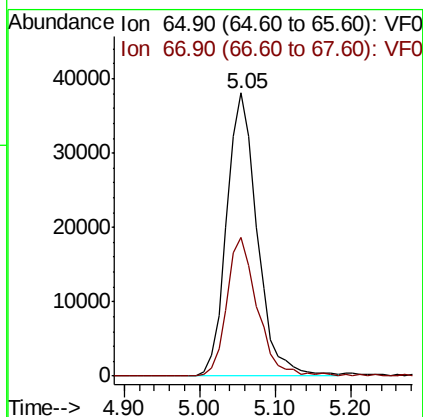
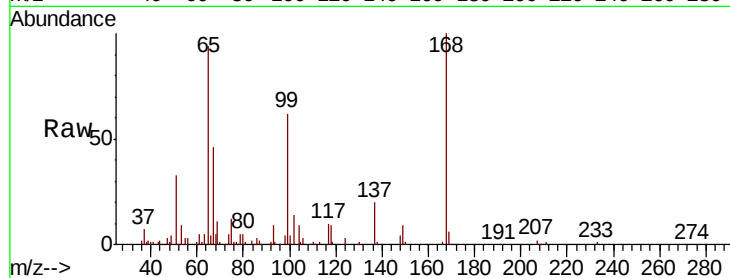
P021-SS006-0206-01

Tot Ion: 65 Resp: 106363

Ion Ratio Lower Upper

65 100

67 49.3 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

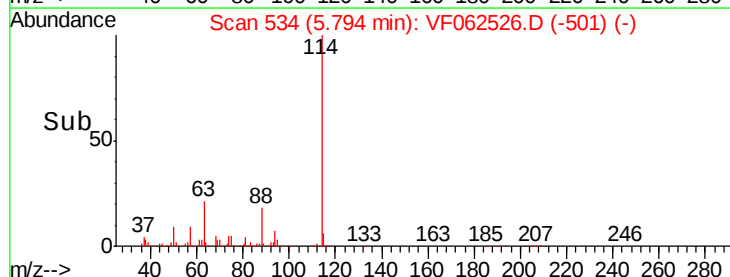
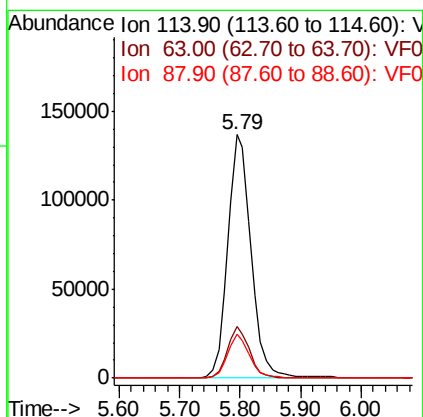
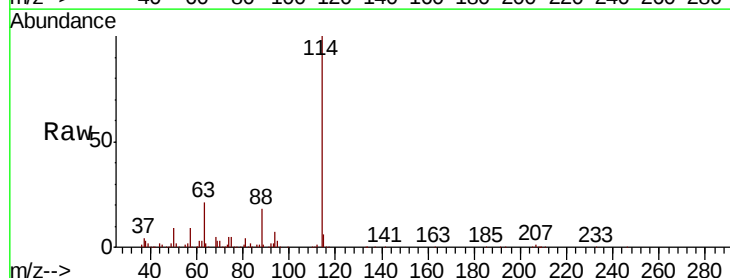
Tgt Ion: 114 Resp: 366114

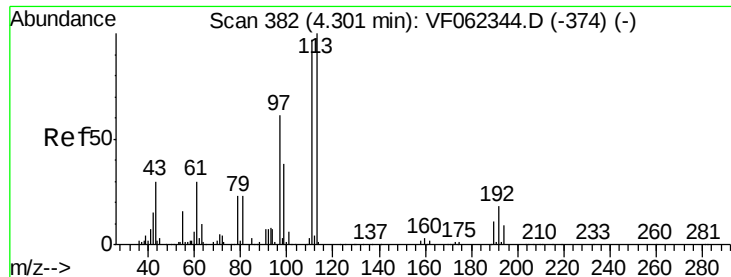
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.4

88 18.1 0.0 36.4

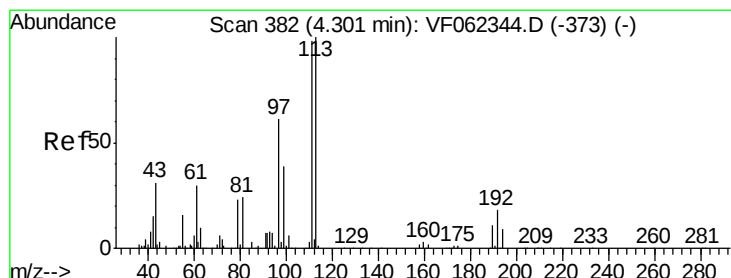
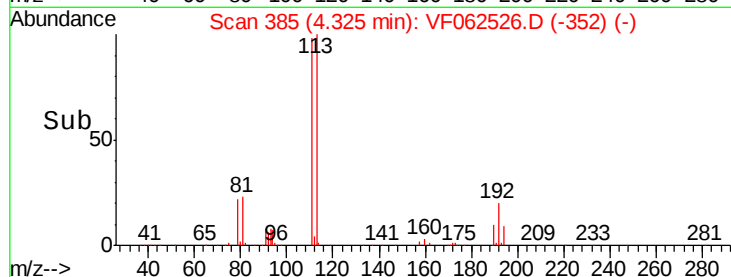
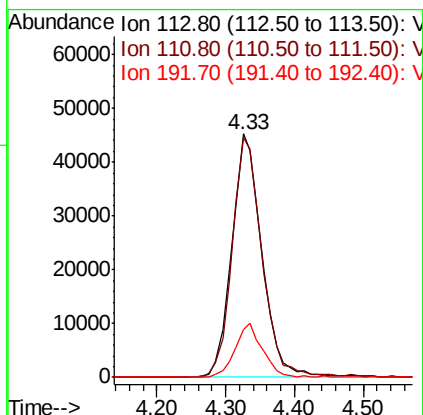
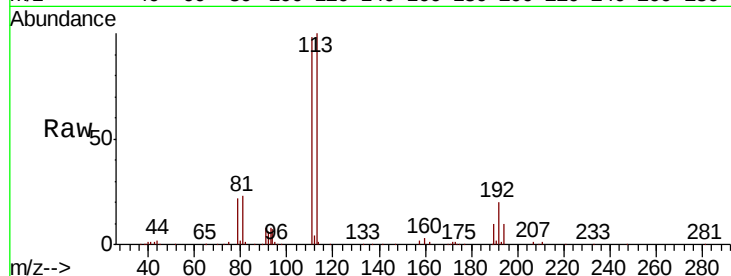




#35
Dibromofluoromethane
Concen: 46.688 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

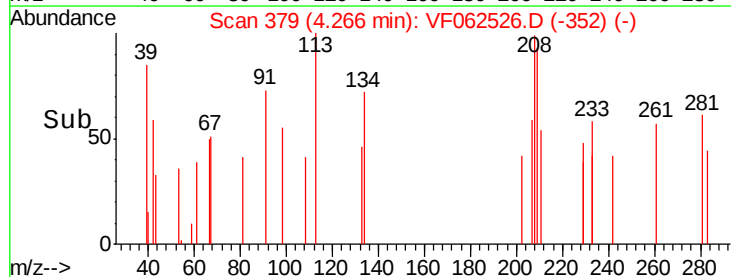
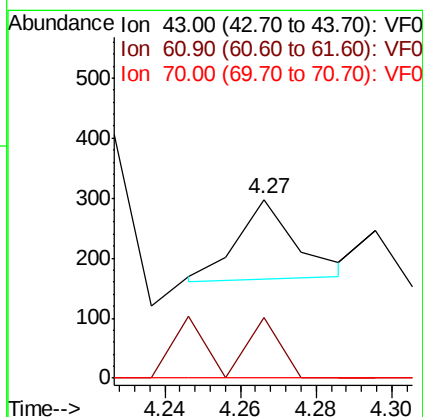
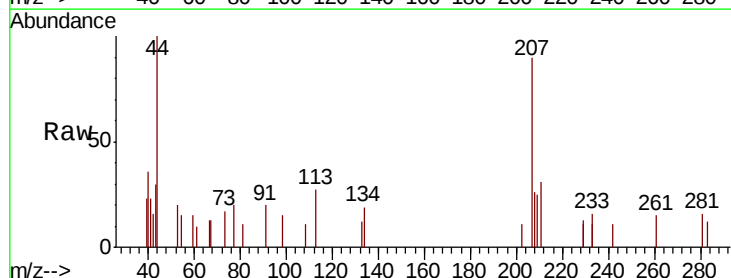
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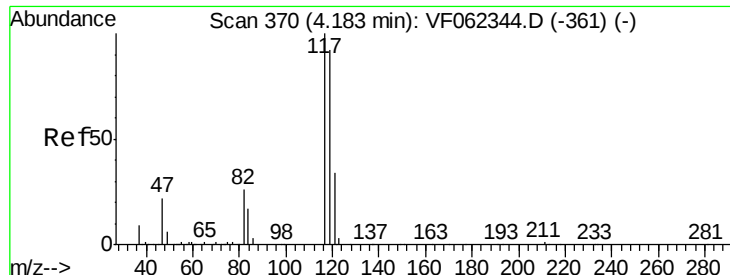
Tot Ion:113 Resp: 136177
Ion Ratio Lower Upper
113 100
111 99.0 79.4 119.0
192 20.8 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
61 84.6 0.0 0.0#
70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.20 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-0206-01

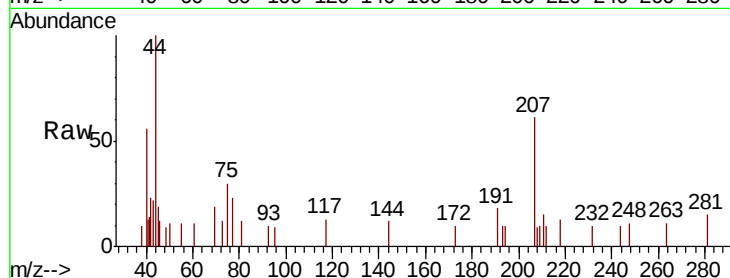
Tot Ion:117 Resp: 89

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

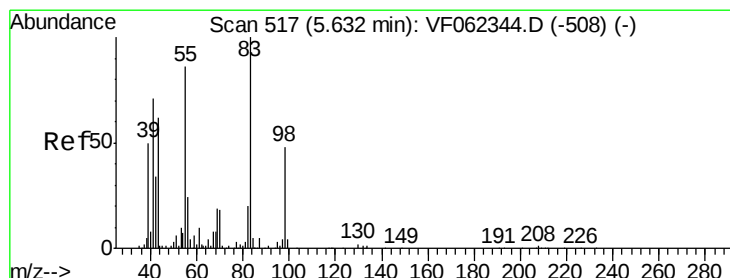
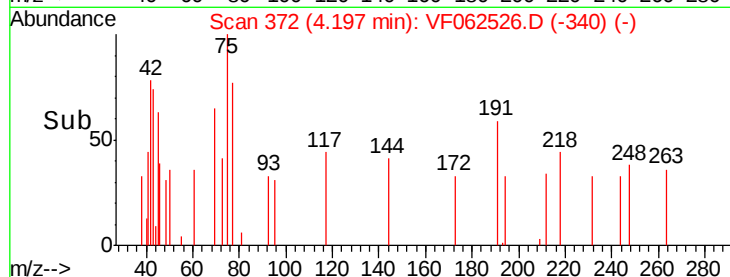
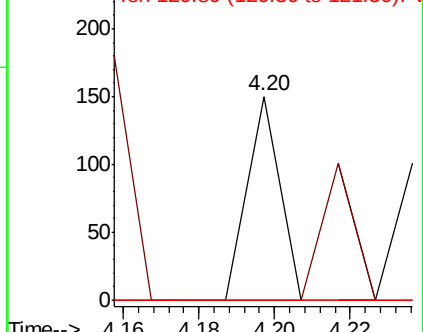
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.113 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.17 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

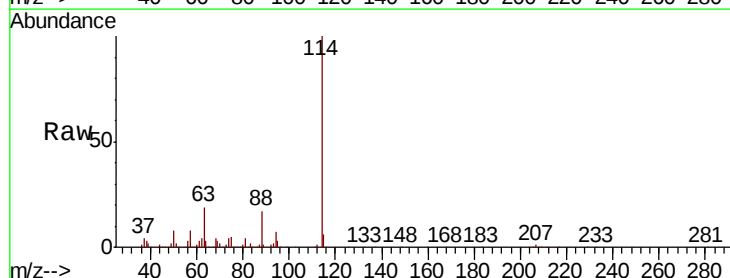
Tgt Ion: 83 Resp: 6664

Ion Ratio Lower Upper

83 100

55 17.7 69.0 103.6#

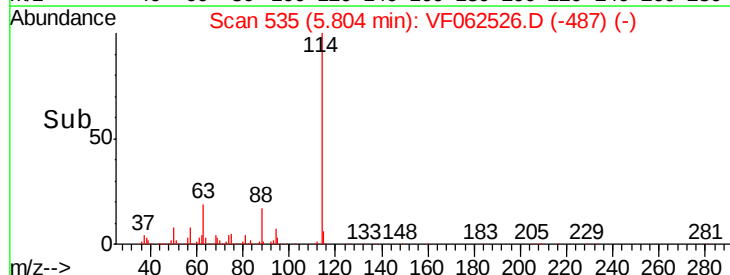
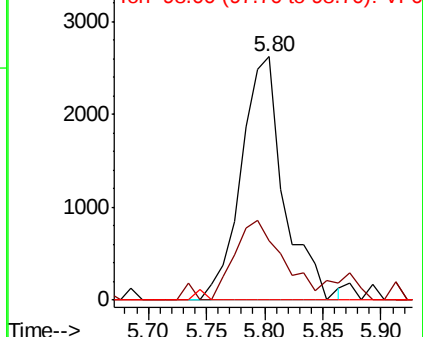
98 0.0 38.6 58.0#

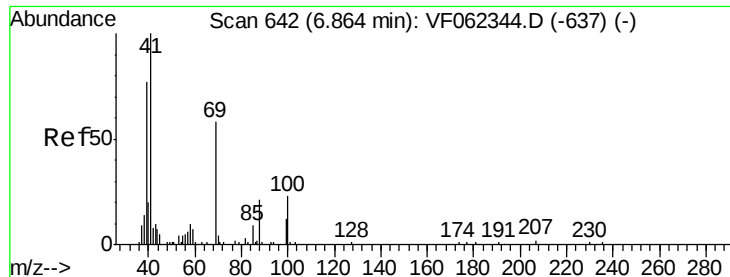


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

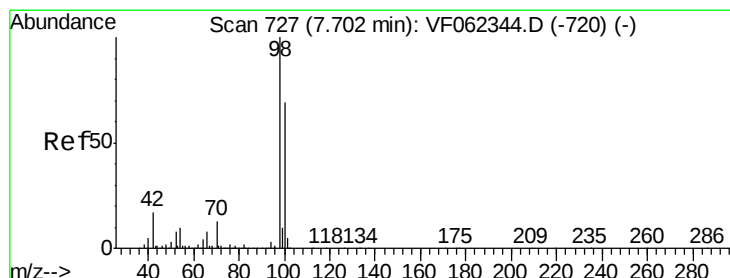
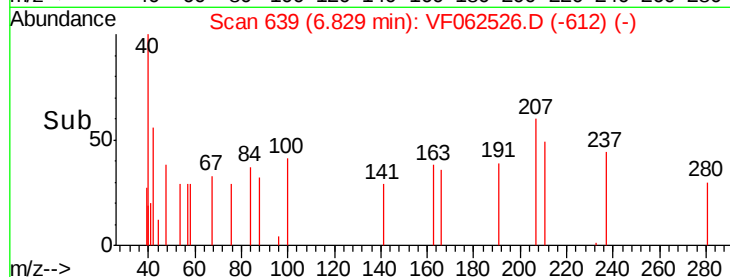
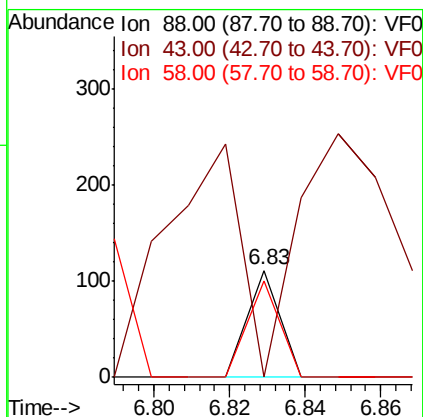
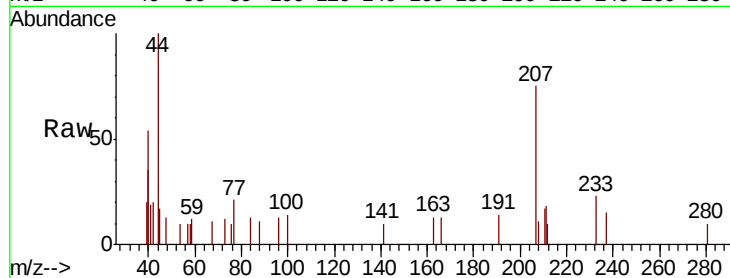




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.83 min Scan# 639
Delta R.T. -0.04 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

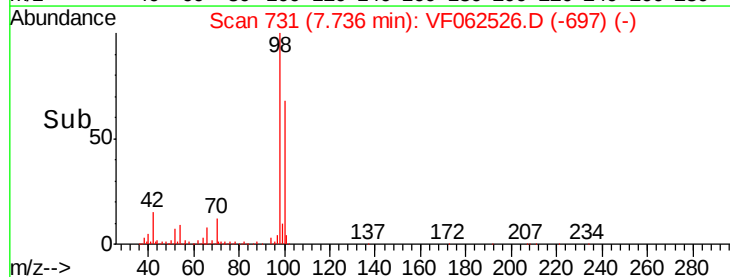
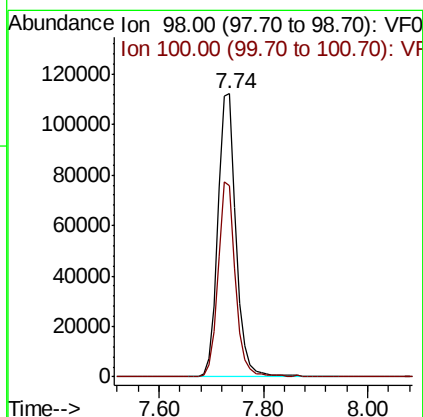
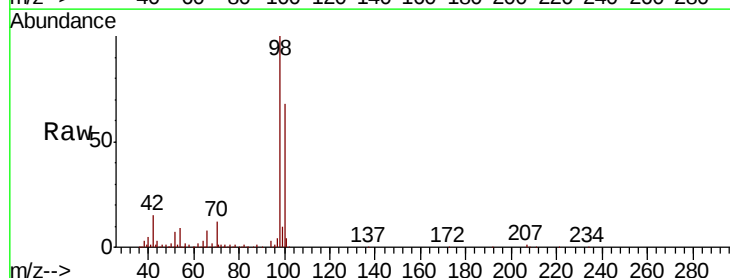
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-0206-01

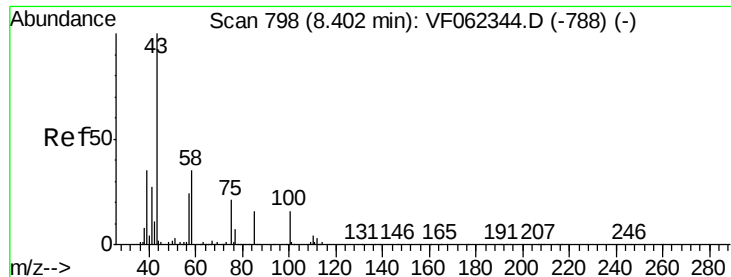
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 503.0 55.6 83.4#
58 89.4 52.8 79.2#



#50
Toluene-d8
Concen: 38.594 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.03 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

Tgt Ion: 98 Resp: 272494
Ion Ratio Lower Upper
98 100
100 65.5 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 1.302 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

Instrument :

MSVOA_F

ClientSampleId :

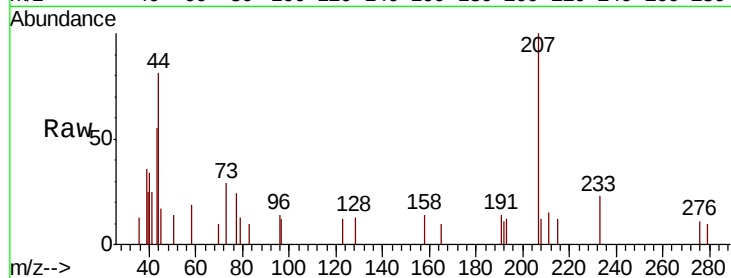
P021-SS006-0206-01

Tot Ion: 43 Resp: 1411

Ion Ratio Lower Upper

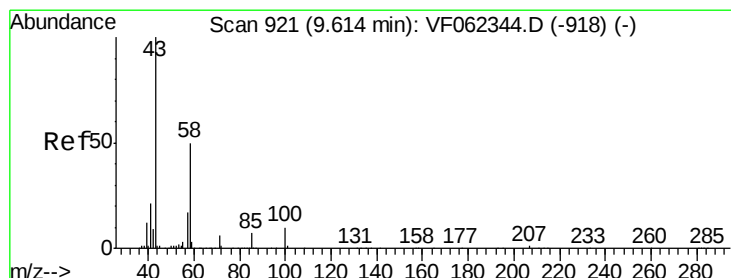
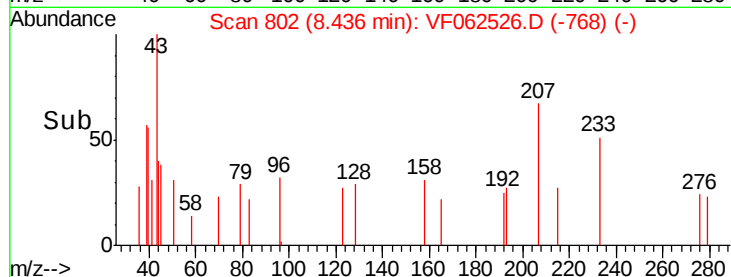
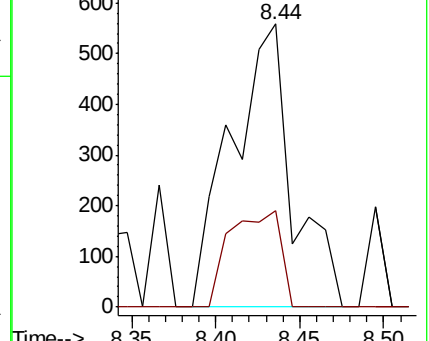
43 100

58 28.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.030 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF062526.D

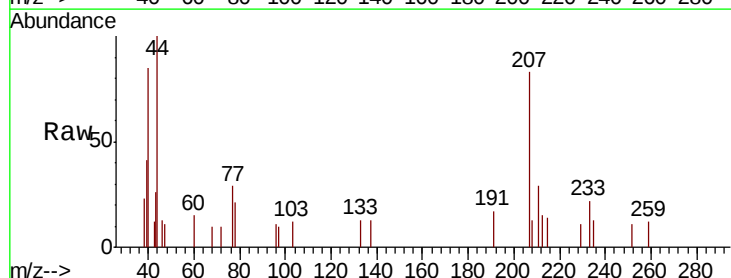
Acq: 13 May 2019 3:24

Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

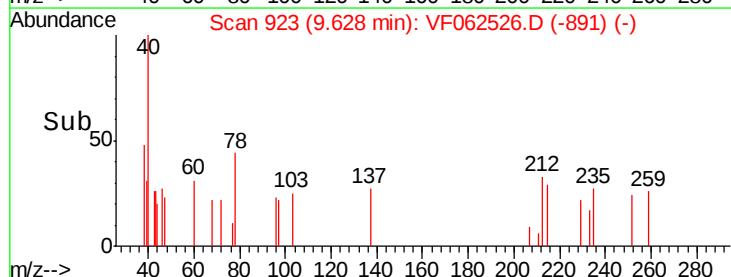
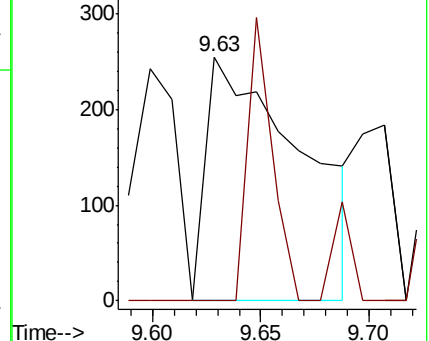
43 100

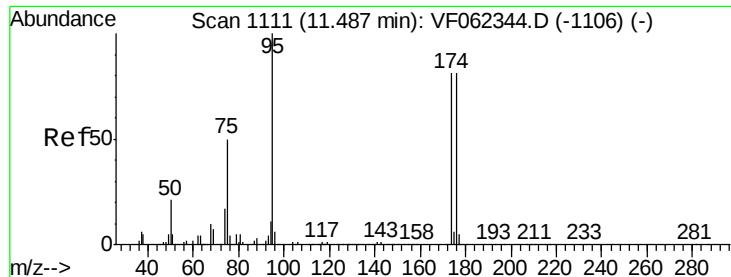
58 30.7 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

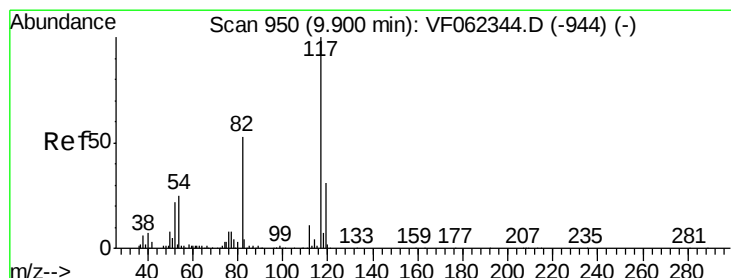
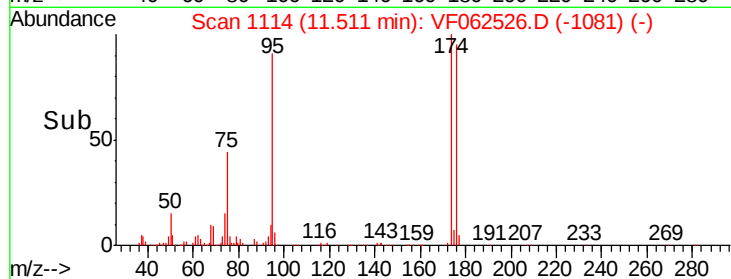
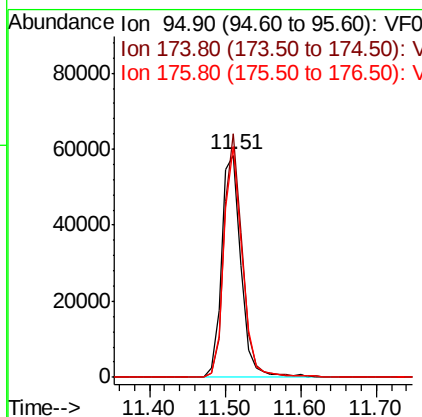
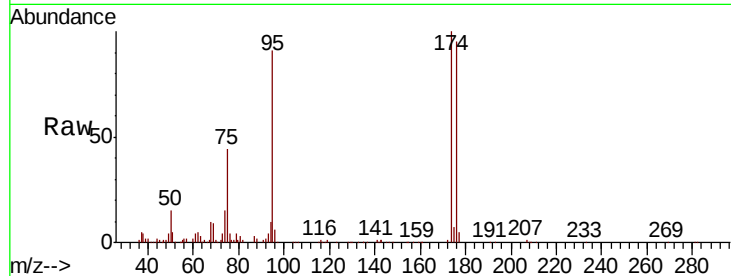




#62
4-Bromofluorobenzene
Concen: 33.125 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

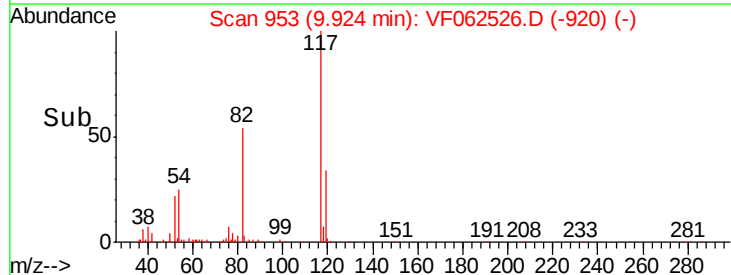
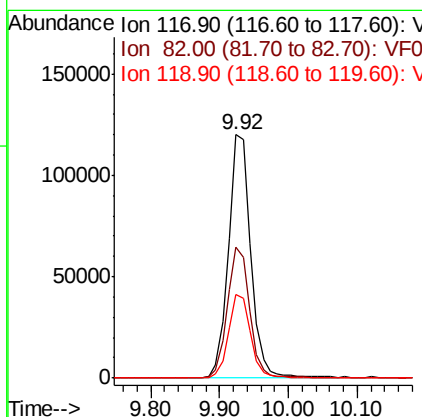
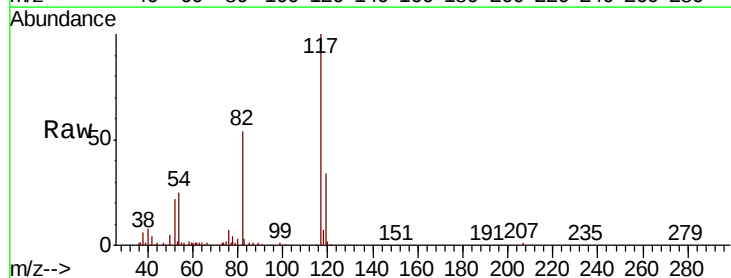
Instrument :
MSVOA_F
ClientSampleId :
P021-SS006-0206-01

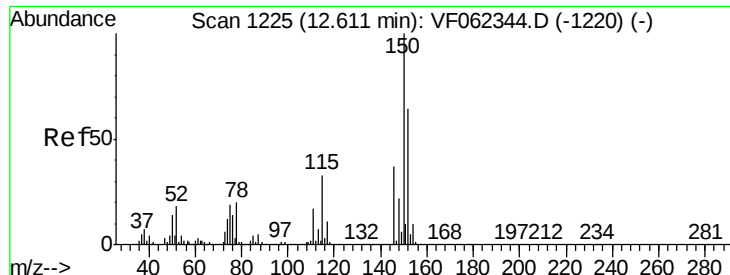
Tot Ion	95	Resp	105518
Ion Ratio	Lower	Upper	
95	100		
174	101.3	0.0	191.8
176	97.3	0.0	193.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062526.D
Acq: 13 May 2019 3:24

Tgt Ion	117	Resp	271084
Ion Ratio	Lower	Upper	
117	100		
82	53.8	42.2	63.2
119	34.4	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062526.D

Acq: 13 May 2019 3:24

Instrument :

MSVOA_F

ClientSampleId :

P021-SS006-0206-01

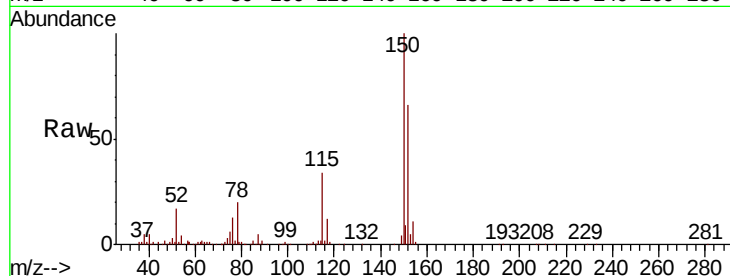
Tot Ion:152 Resp: 139565

Ion Ratio Lower Upper

152 100

115 52.1 26.4 79.2

150 152.7 0.0 335.0



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

