

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051519\
 Data File : VF062613.D
 Acq On : 15 May 2019 17:17
 Operator : FY/SY
 Sample : K2770-04RE
 Misc : 4.40g/5mL/MSVOA_F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM

Quant Time: May 15 17:37:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	631349	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1148717	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	722105	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	235638	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	206013	43.19	ug/l	-0.02
Spiked Amount			Recovery	=	86.38%	
35) Dibromofluoromethane	4.31	113	346147	40.49	ug/l	-0.02
Spiked Amount			Recovery	=	80.98%	
50) Toluene-d8	7.71	98	678910	33.70	ug/l	-0.02
Spiked Amount			Recovery	=	67.40%	
62) 4-Bromofluorobenzene	11.50	95	206520	29.35	ug/l	-0.01
Spiked Amount			Recovery	=	58.70%	

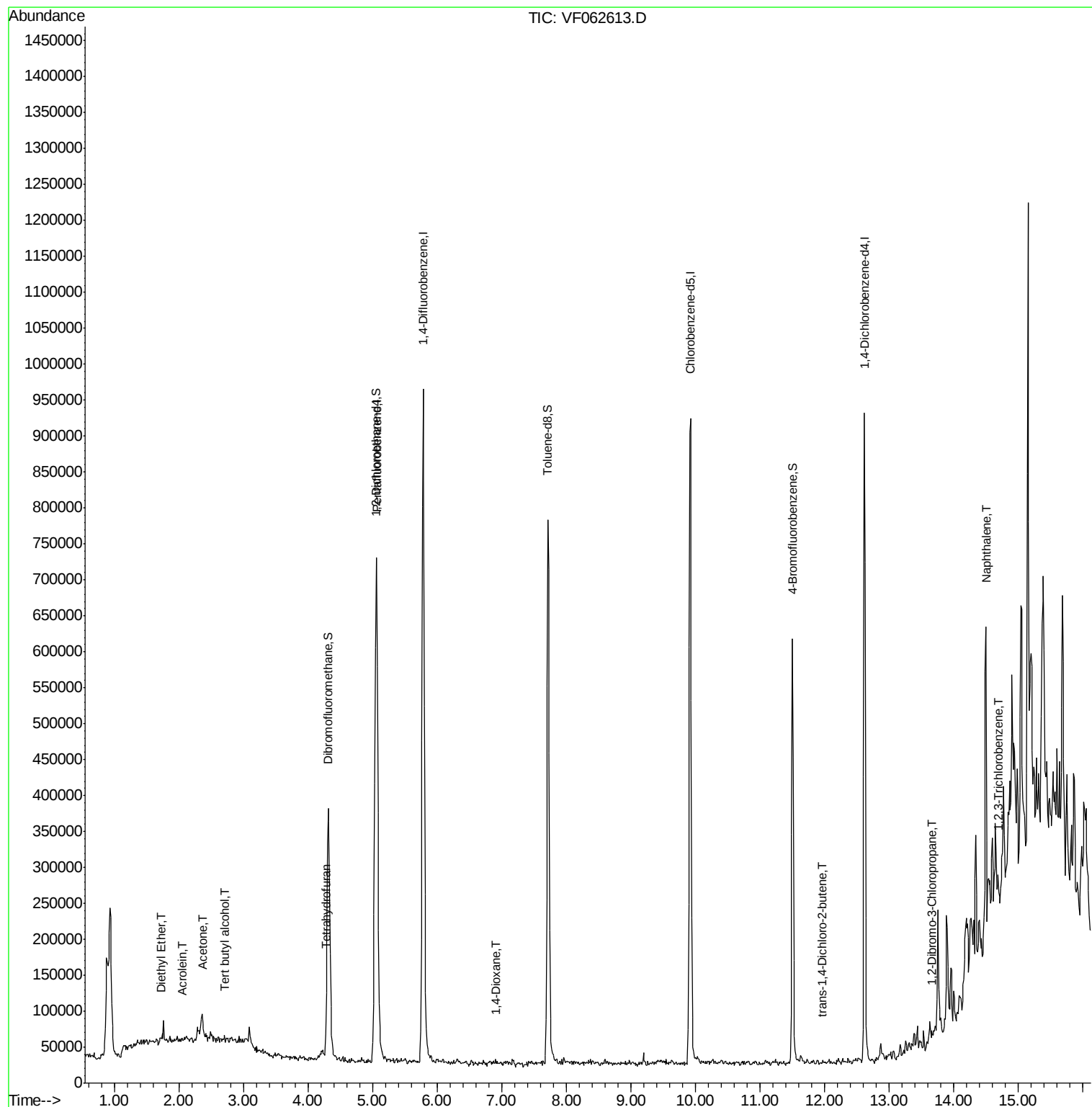
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	1171	Below Cal	#	45
8) Diethyl Ether	1.72	74	3701	1.682	ug/l	91
11) Tert butyl alcohol	2.71	59	2057	7.163	ug/l #	1
13) Acrolein	2.07	56	554	2.911	ug/l	93
16) Acetone	2.36	43	29834	30.826	ug/l #	83
17) Carbon Disulfide	1.92	76	501	Below Cal	#	1
18) Methyl Acetate	2.48	43	3676	Below Cal	#	84
20) Methylene Chloride	2.29	84	7025	Below Cal	#	81
29) Tetrahydrofuran	4.27	42	952	1.028	ug/l #	1
49) 1,4-Dioxane	6.91	88	346	9.924	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.95	75	1154	1.301	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.66	75	1162	2.915	ug/l #	1
95) Naphthalene	14.50	128	11349	1.614	ug/l #	26
96) 1,2,3-Trichlorobenzene	14.68	180	6500	1.622	ug/l #	1

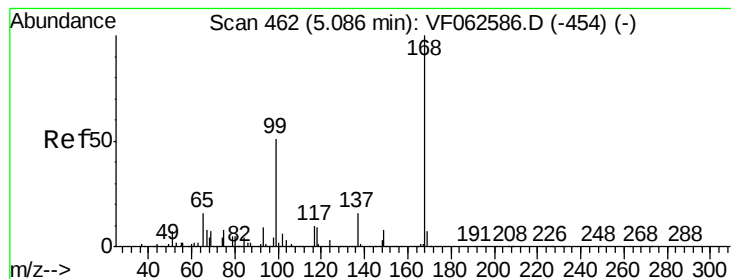
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

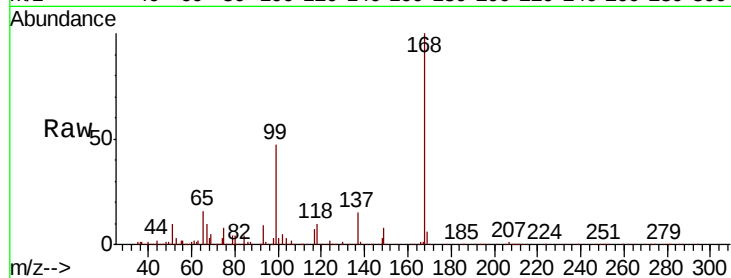
SOIL-DRUM

Tgt Ion:168 Resp: 631349

Ion Ratio Lower Upper

168 100

99 47.0 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

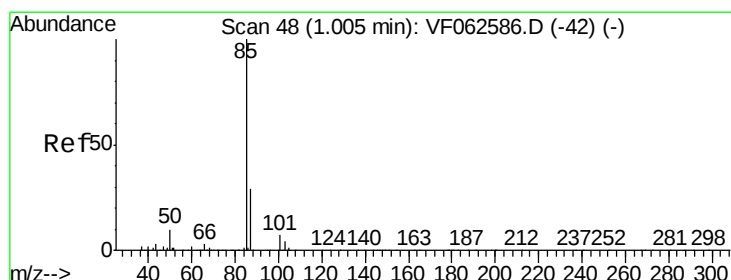
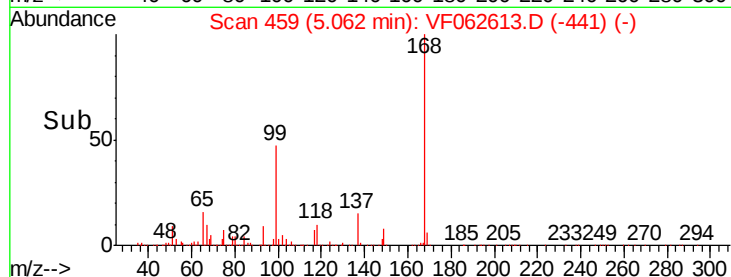
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062613.D

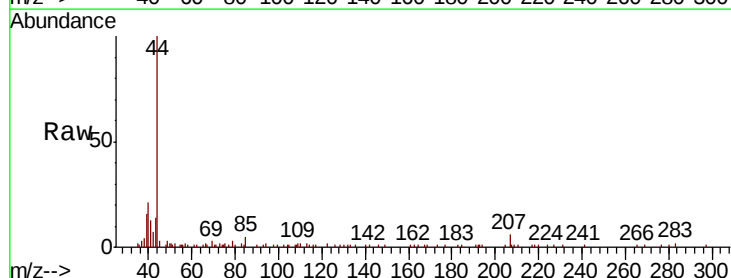
Acq: 15 May 2019 17:17

Tgt Ion: 85 Resp: 1171

Ion Ratio Lower Upper

85 100

87 0.0 14.6 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

800

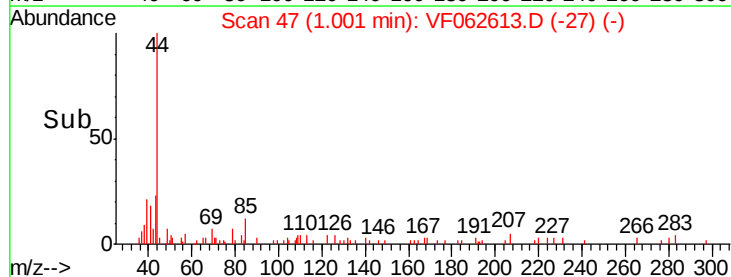
600

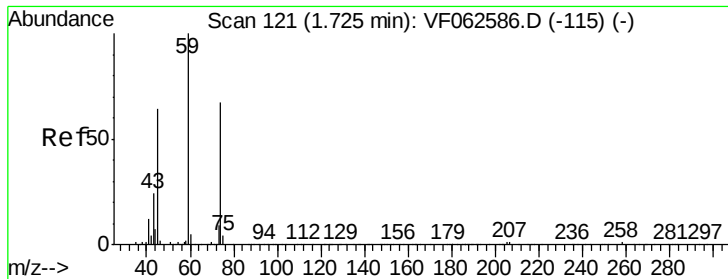
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.682 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

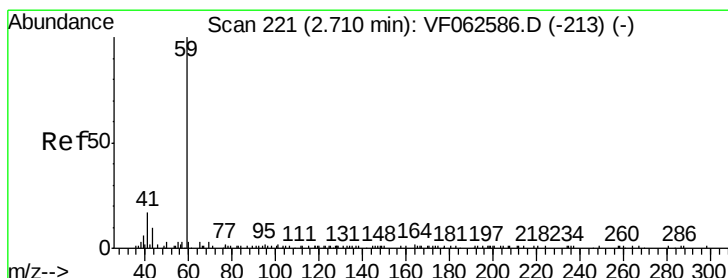
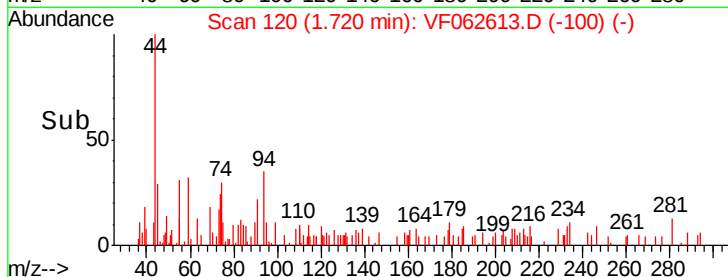
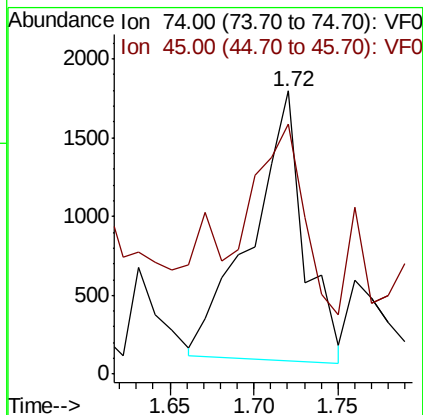
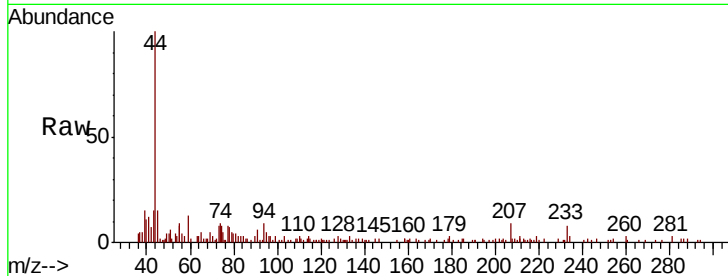
SOIL-DRUM

Tgt Ion: 74 Resp: 3701

Ion Ratio Lower Upper

74 100

45 88.3 48.6 145.8



#11

Tert butyl alcohol

Concen: 7.163 ug/l

RT: 2.71 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062613.D

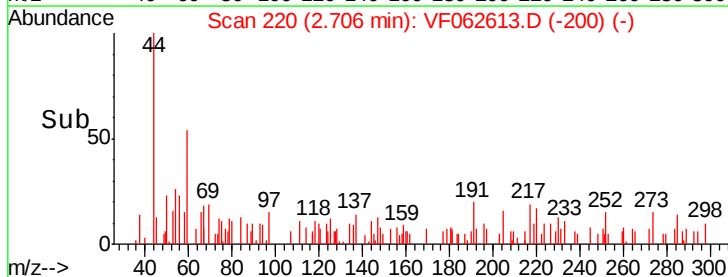
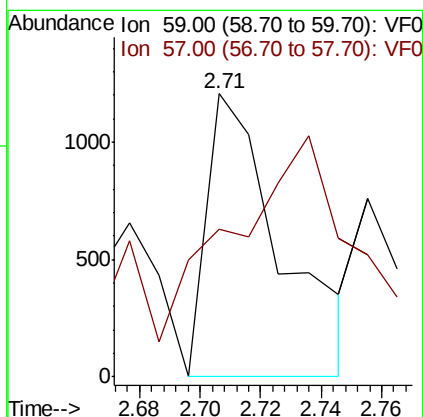
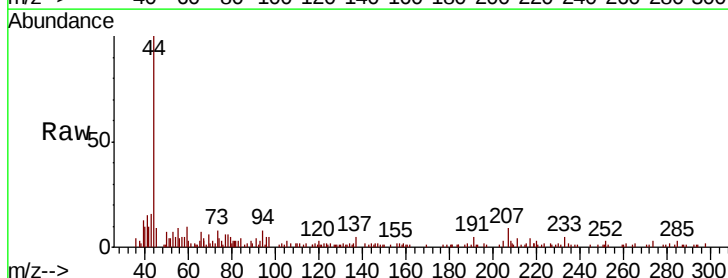
Acq: 15 May 2019 17:17

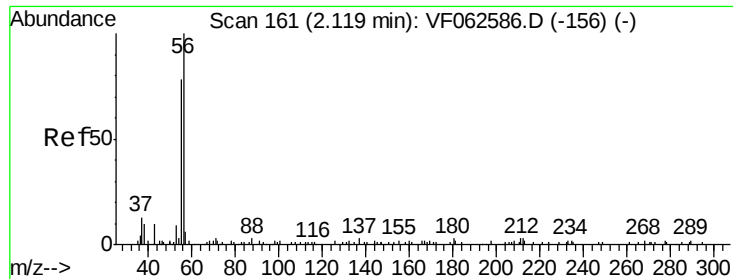
Tgt Ion: 59 Resp: 2057

Ion Ratio Lower Upper

59 100

57 52.3 8.0 12.0#

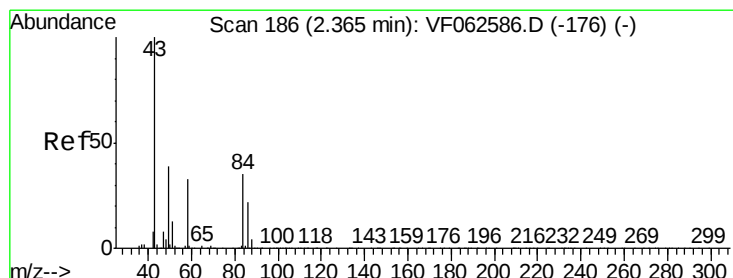
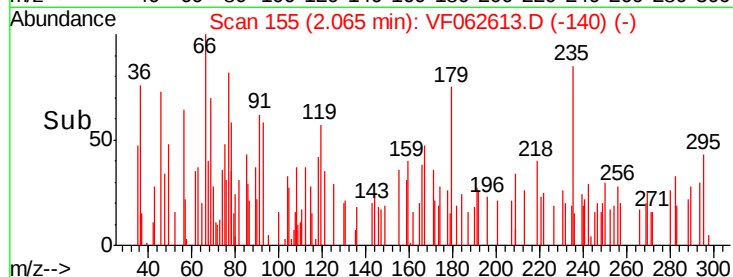
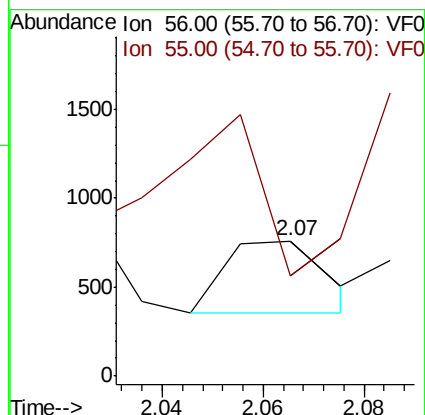
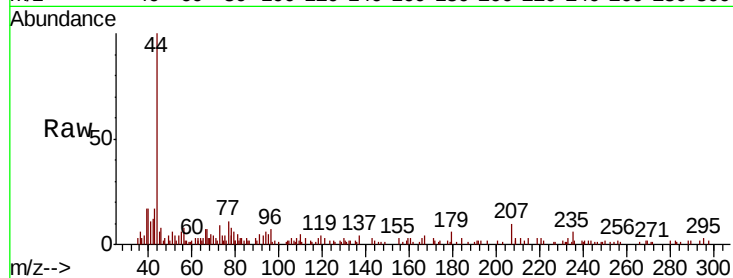




#13
Acrolein
Concen: 2.911 ug/l
RT: 2.07 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062613.D
Acq: 15 May 2019 17:17

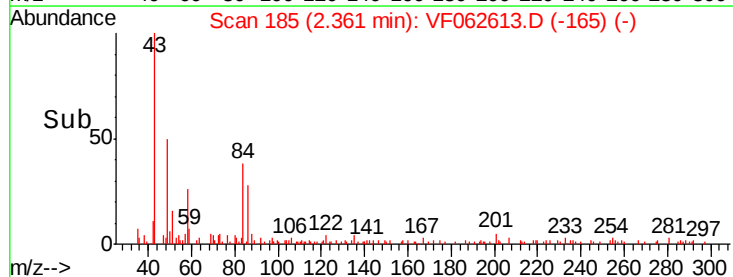
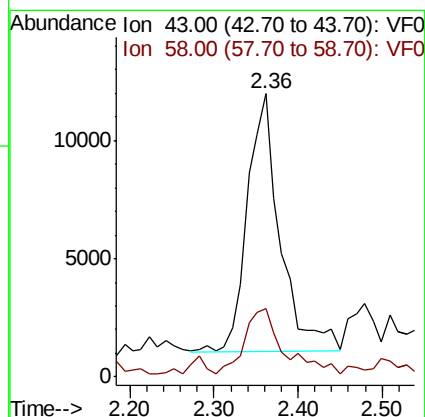
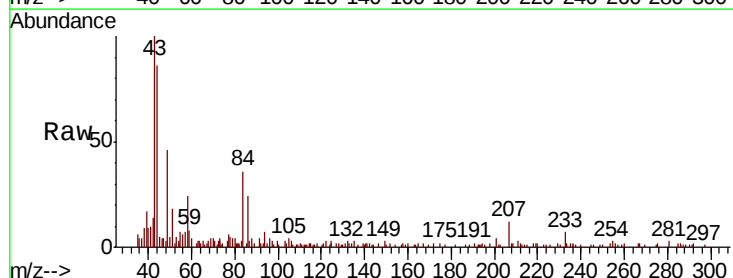
Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM

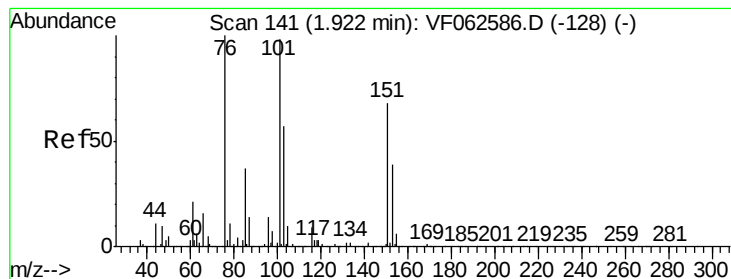
Tgt Ion: 56 Resp: 554
Ion Ratio Lower Upper
56 100
55 74.5 64.6 96.8



#16
Acetone
Concen: 30.826 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062613.D
Acq: 15 May 2019 17:17

Tgt Ion: 43 Resp: 29834
Ion Ratio Lower Upper
43 100
58 24.0 26.7 40.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

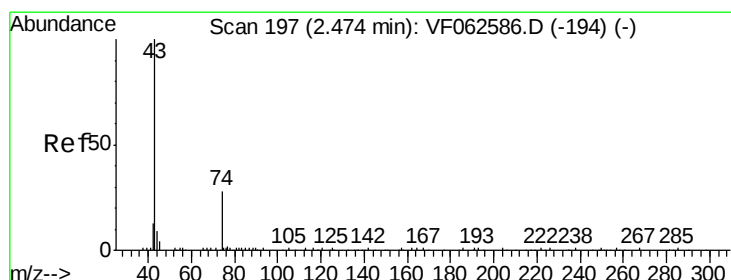
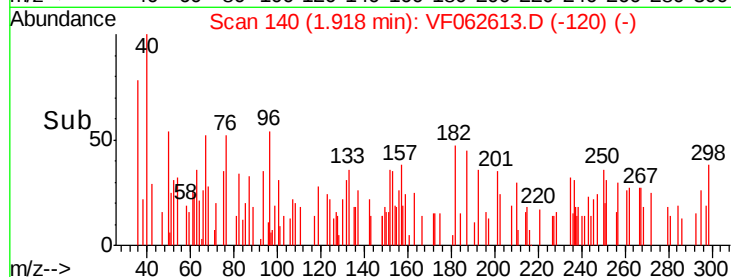
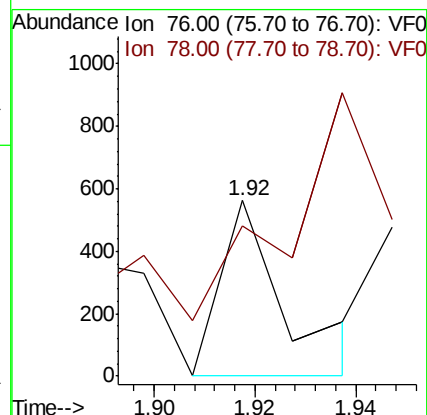
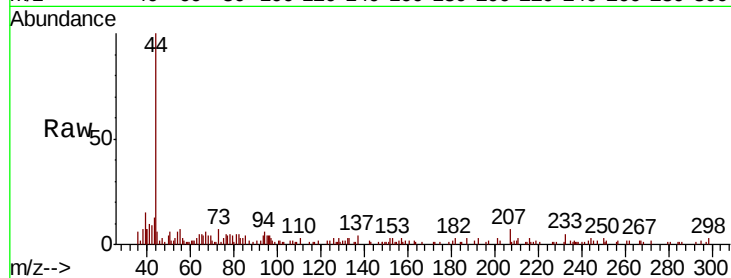
SOIL-DRUM

Tgt Ion: 76 Resp: 501

Ion Ratio Lower Upper

76 100

78 85.3 9.0 13.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062613.D

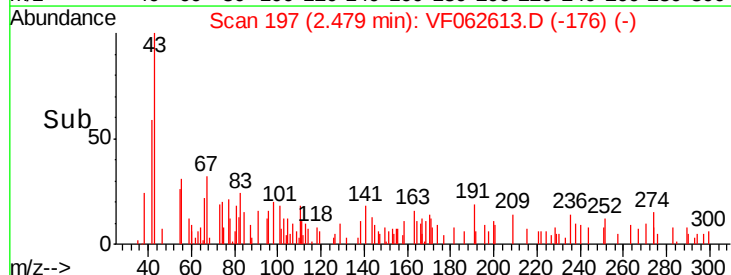
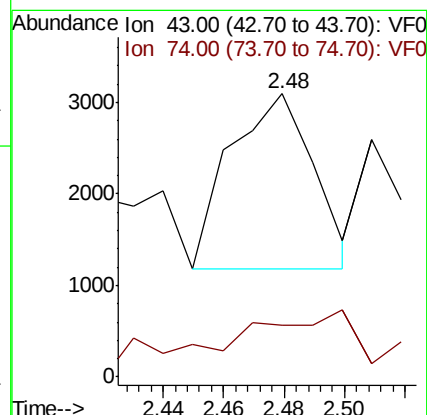
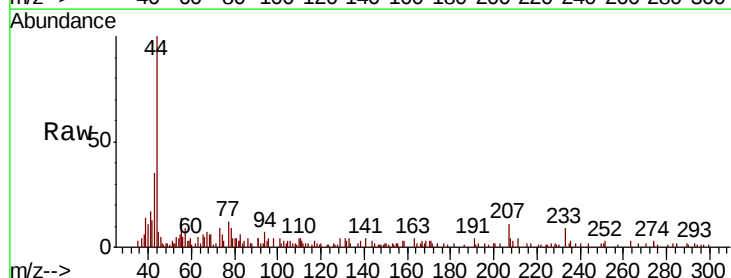
Acq: 15 May 2019 17:17

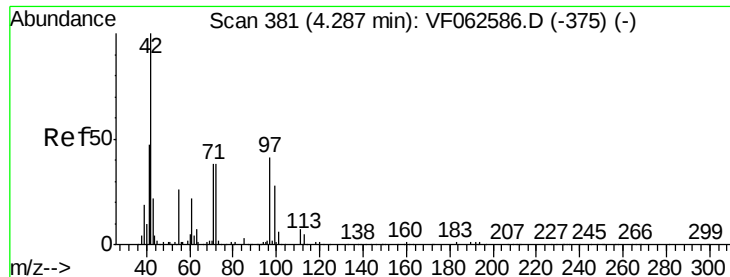
Tgt Ion: 43 Resp: 3676

Ion Ratio Lower Upper

43 100

74 18.2 21.4 32.0#





#29

Tetrahydrofuran

Concen: 1.028 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM

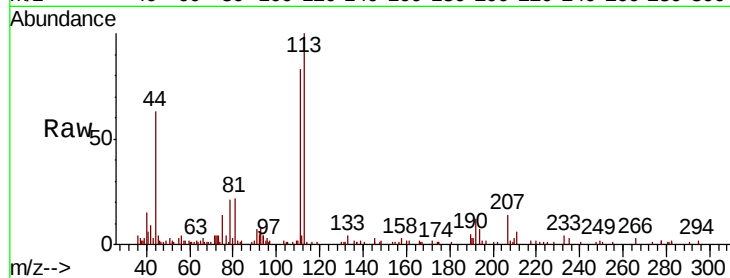
Tgt Ion: 42 Resp: 952

Ion Ratio Lower Upper

42 100

72 211.6 34.0 51.0#

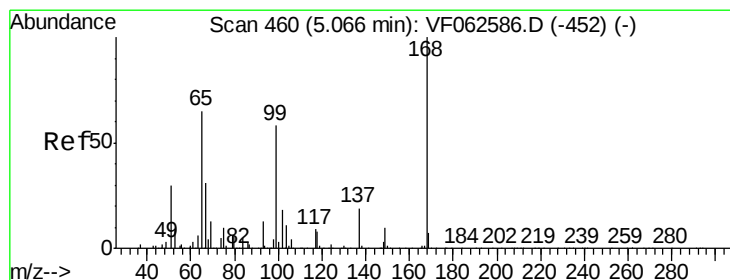
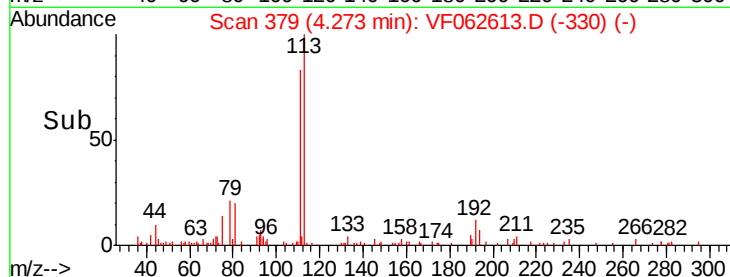
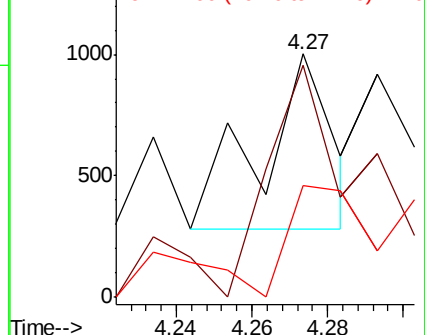
71 100.8 32.8 49.2#



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



#33

1,2-Dichloroethane-d4

Concen: 43.193 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062613.D

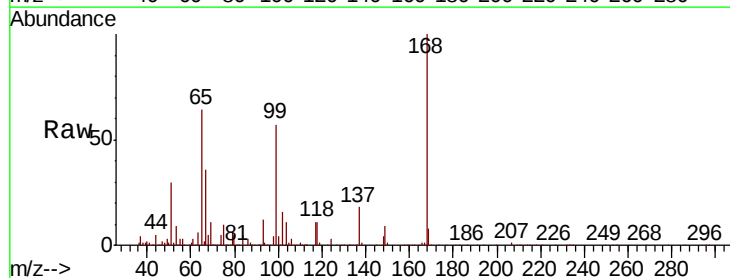
Acq: 15 May 2019 17:17

Tgt Ion: 65 Resp: 206013

Ion Ratio Lower Upper

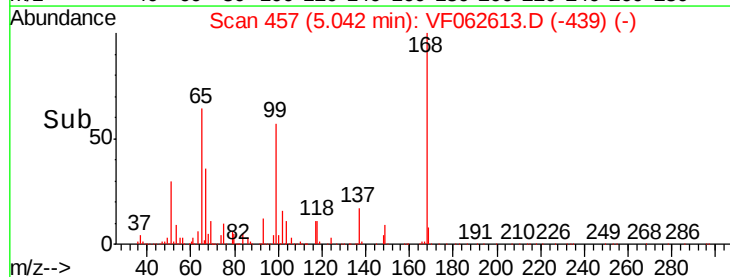
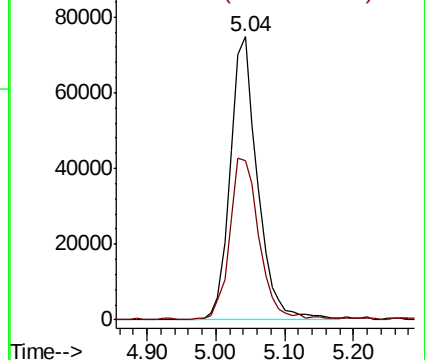
65 100

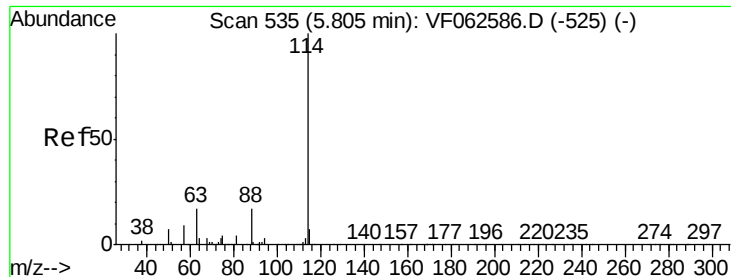
67 56.4 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.02 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM

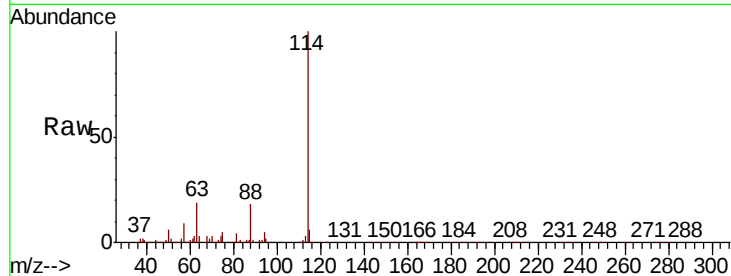
Tgt Ion:114 Resp: 1148717

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.6

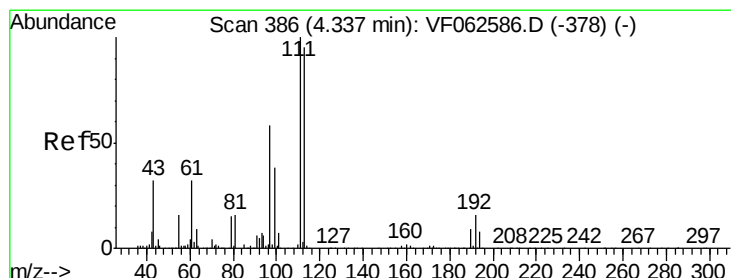
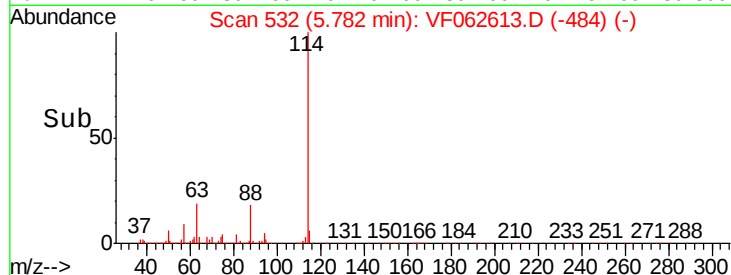
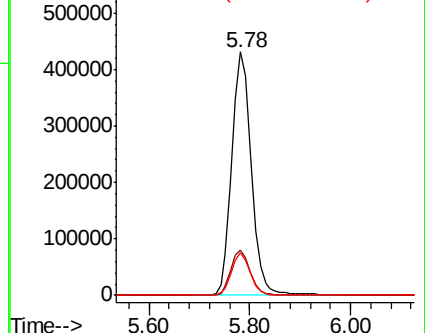
88 17.7 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 40.487 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

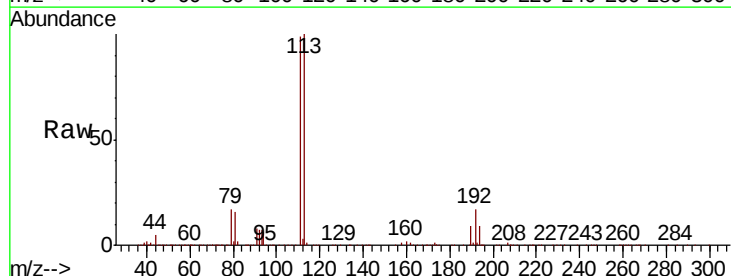
Tgt Ion:113 Resp: 346147

Ion Ratio Lower Upper

113 100

111 99.5 83.9 125.9

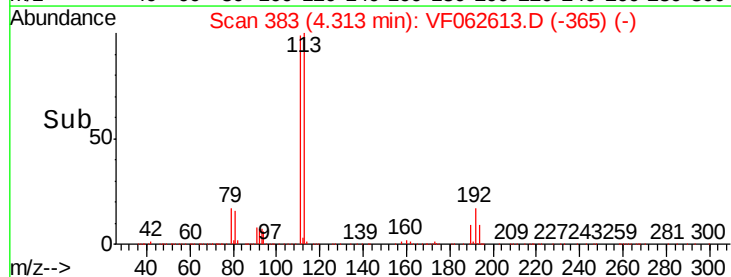
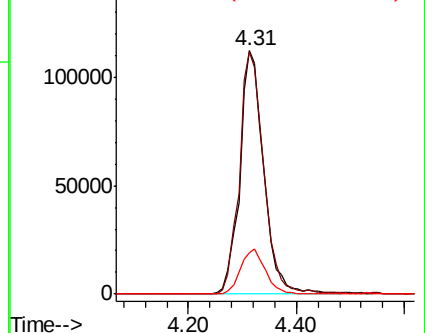
192 17.2 13.7 20.5

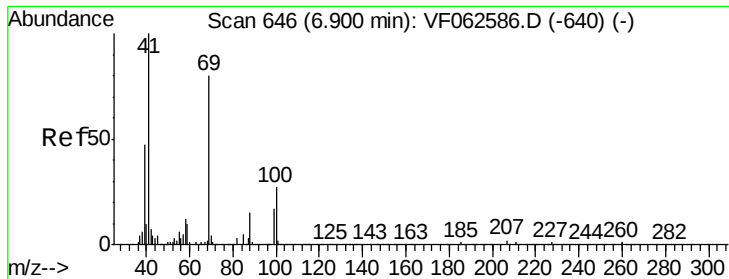


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

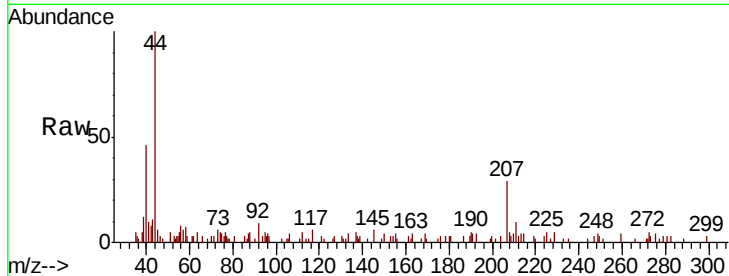




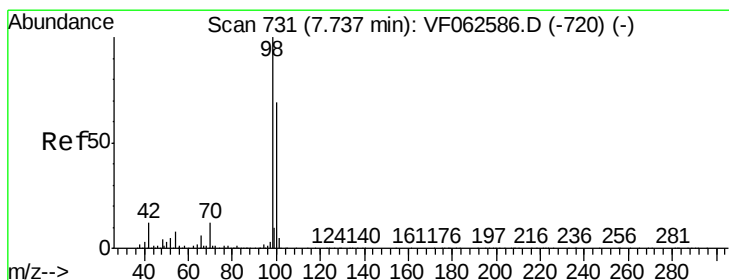
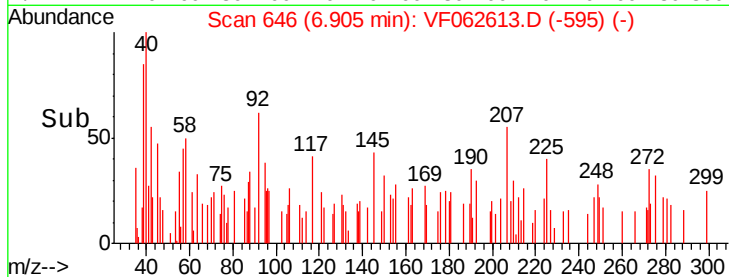
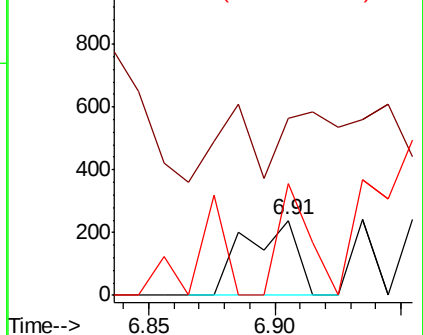
#49
1,4-Dioxane
Concen: 9.924 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF062613.D
Acq: 15 May 2019 17:17

Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM

Tgt Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 235.8 28.8 43.2#
58 148.7 60.6 90.8#

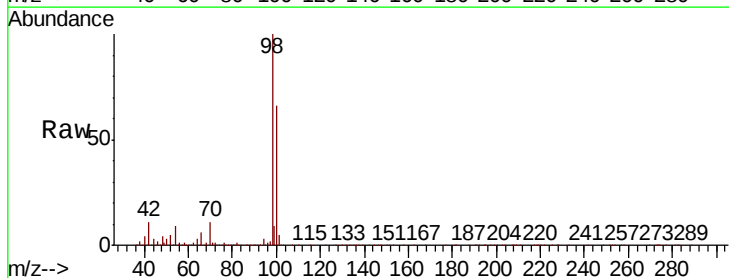


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

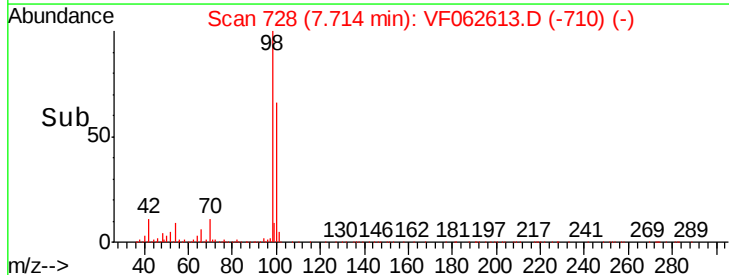
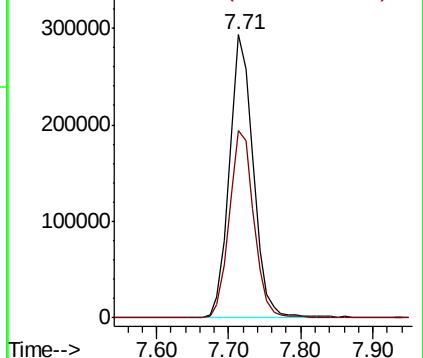


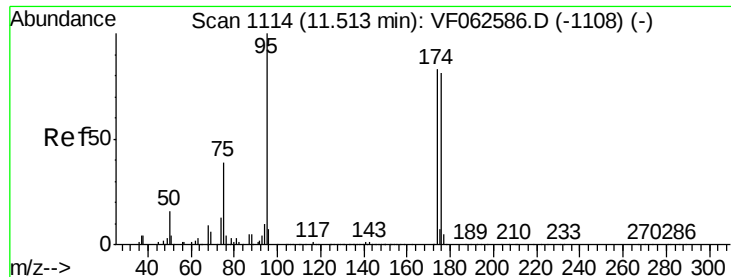
#50
Toluene-d8
Concen: 33.699 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062613.D
Acq: 15 May 2019 17:17

Tgt Ion: 98 Resp: 678910
Ion Ratio Lower Upper
98 100
100 66.2 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 29.352 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

SOIL-DRUM

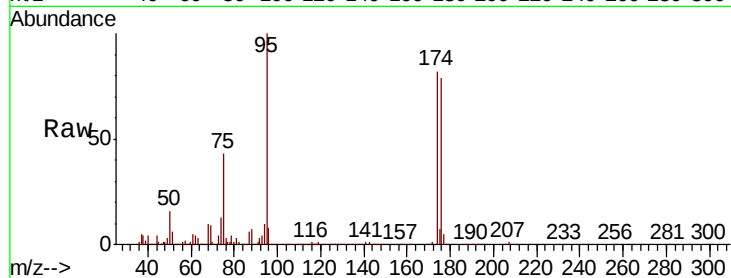
Tgt Ion: 95 Resp: 206520

Ion Ratio Lower Upper

95 100

174 82.3 0.0 166.6

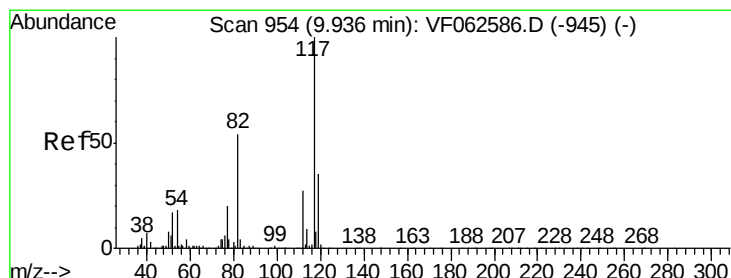
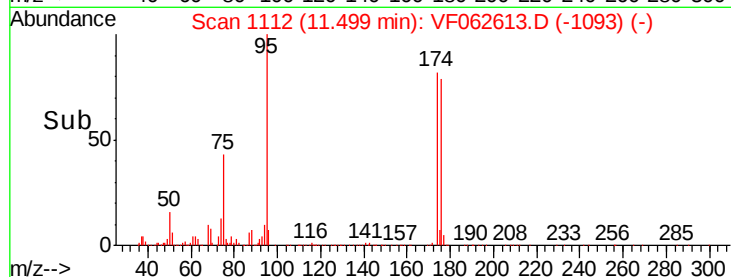
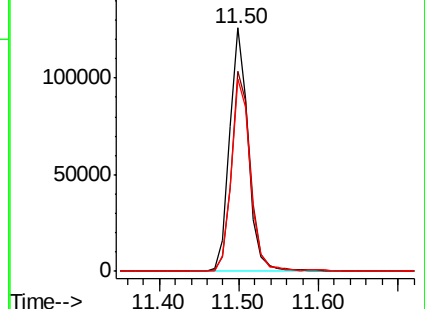
176 78.8 0.0 161.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

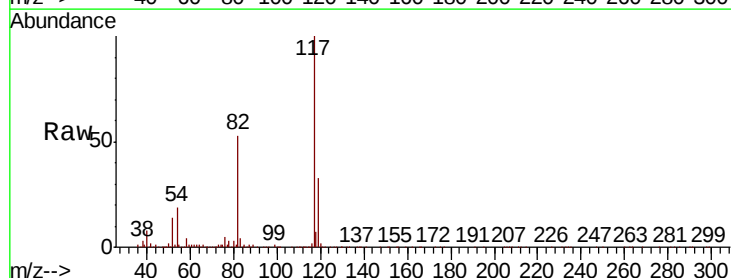
Tgt Ion: 117 Resp: 722105

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

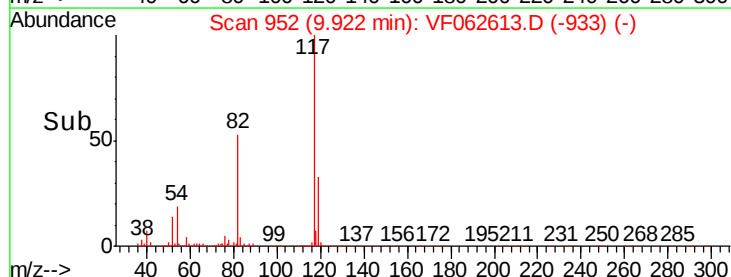
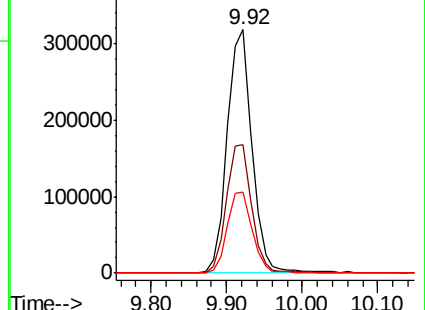
119 33.4 27.7 41.5

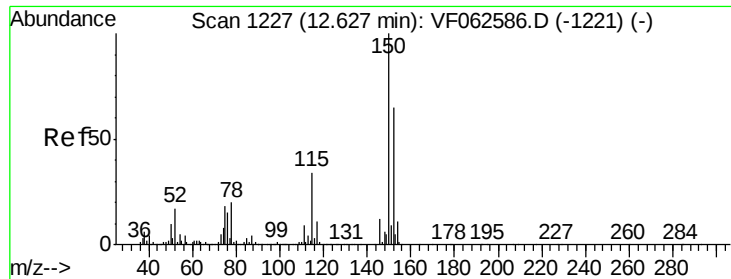


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



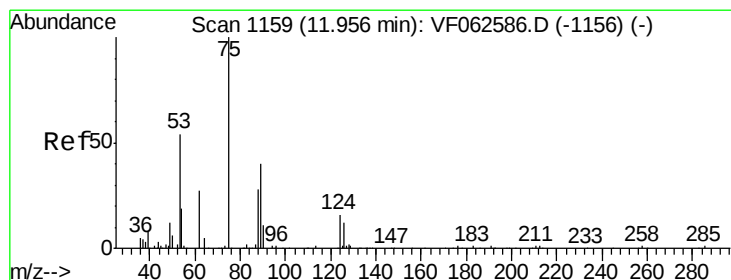
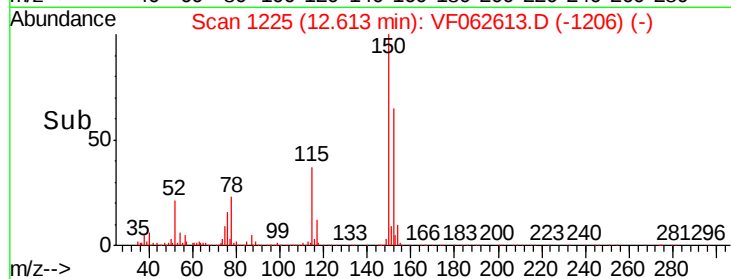
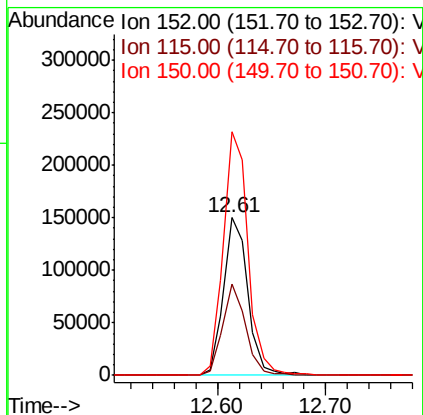
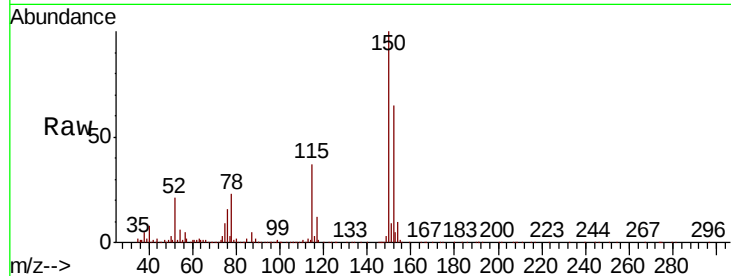


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062613.D
Acq: 15 May 2019 17:17

Instrument :
MSVOA_F
ClientSampleId :
SOIL-DRUM

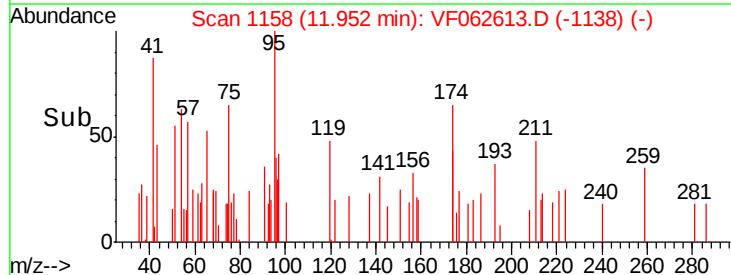
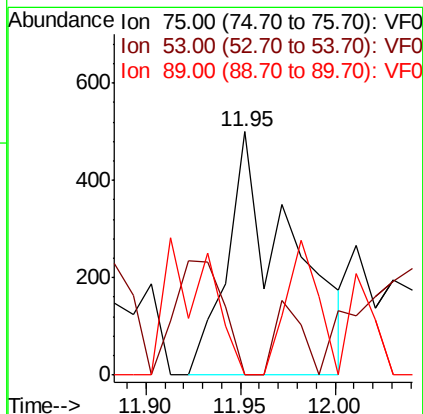
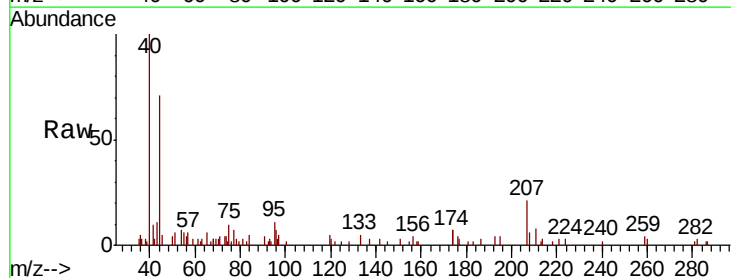
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	26.2	78.6
150	154.7	0.0	316.0

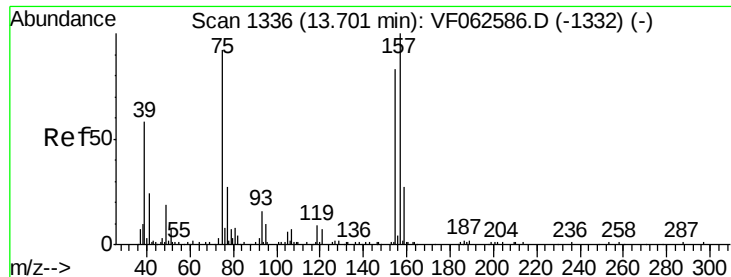


#81

trans-1,4-Dichloro-2-butene
Concen: 1.301 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062613.D
Acq: 15 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	46.6	70.0#
89	0.0	33.8	50.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.915 ug/l

RT: 13.66 min Scan# 1331

Delta R.T. -0.04 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

Instrument :

MSVOA_F

ClientSampled :

SOIL-DRUM

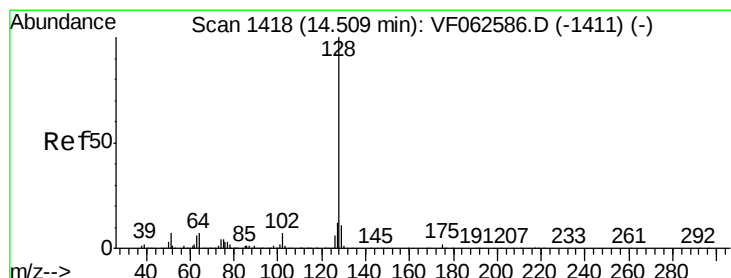
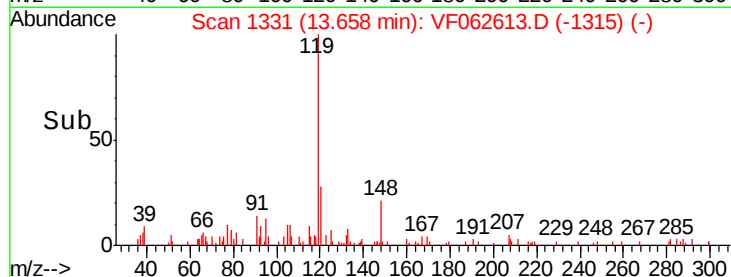
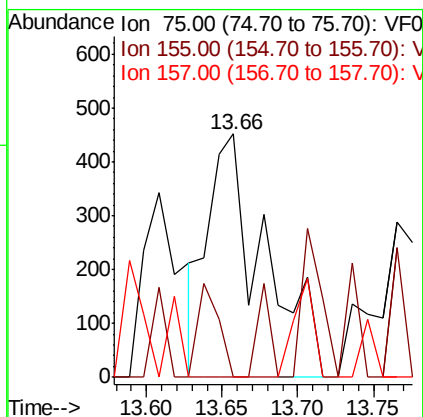
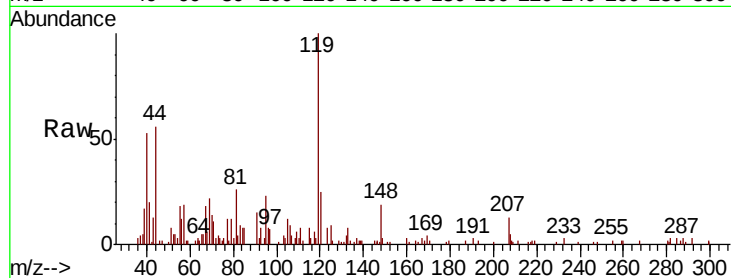
Tgt Ion: 75 Resp: 1162

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 54.1 162.3#



#95

Naphthalene

Concen: 1.614 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062613.D

Acq: 15 May 2019 17:17

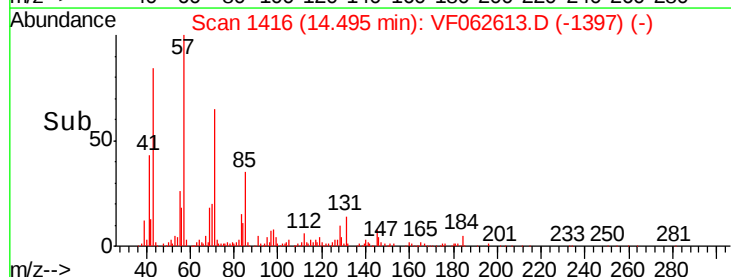
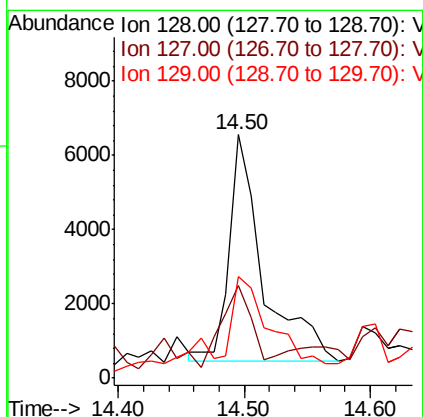
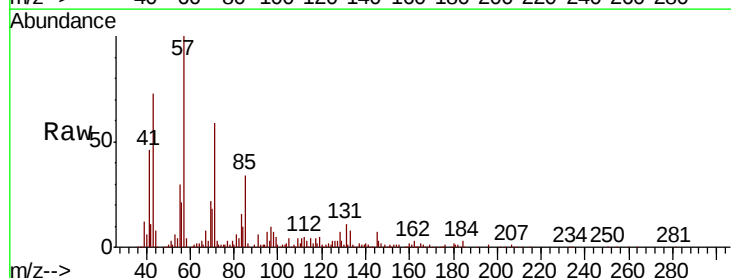
Tgt Ion: 128 Resp: 11349

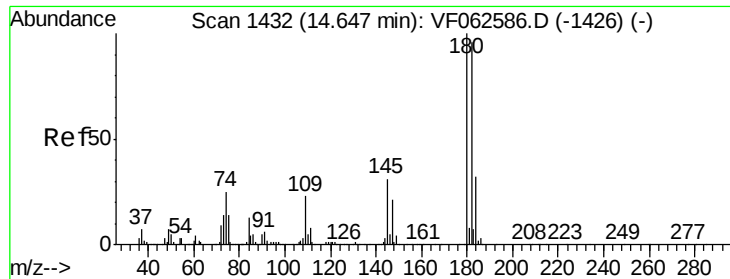
Ion Ratio Lower Upper

128 100

127 38.2 9.5 14.3#

129 41.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.622 ug/l
 RT: 14.68 min Scan# 1435
 Delta R.T. 0.04 min
 Lab File: VF062613.D
 Acq: 15 May 2019 17:17

Instrument :
 MSVOA_F
 ClientSampleId :
 SOIL-DRUM

Tgt Ion:180 Resp: 6500
 Ion Ratio Lower Upper
 180 100
 182 10.7 48.1 144.3#
 145 108.6 15.6 46.7#

