

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061449.D
 Acq On : 17 Jan 2019 17:22
 Operator : VA/AP
 Sample : K1188-03
 Misc : 6.50q/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S3-FRONT-HOUSE-7

Quant Time: Jan 18 03:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	189806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	322542	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	283699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	124942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	144737	61.76	ug/l	0.00
Spiked Amount			Recovery	=	123.52%	
35) Dibromofluoromethane	4.10	113	159440	62.65	ug/l	0.00
Spiked Amount			Recovery	=	125.30%	
50) Toluene-d8	7.54	98	382094	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
62) 4-Bromofluorobenzene	11.40	95	171943	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	

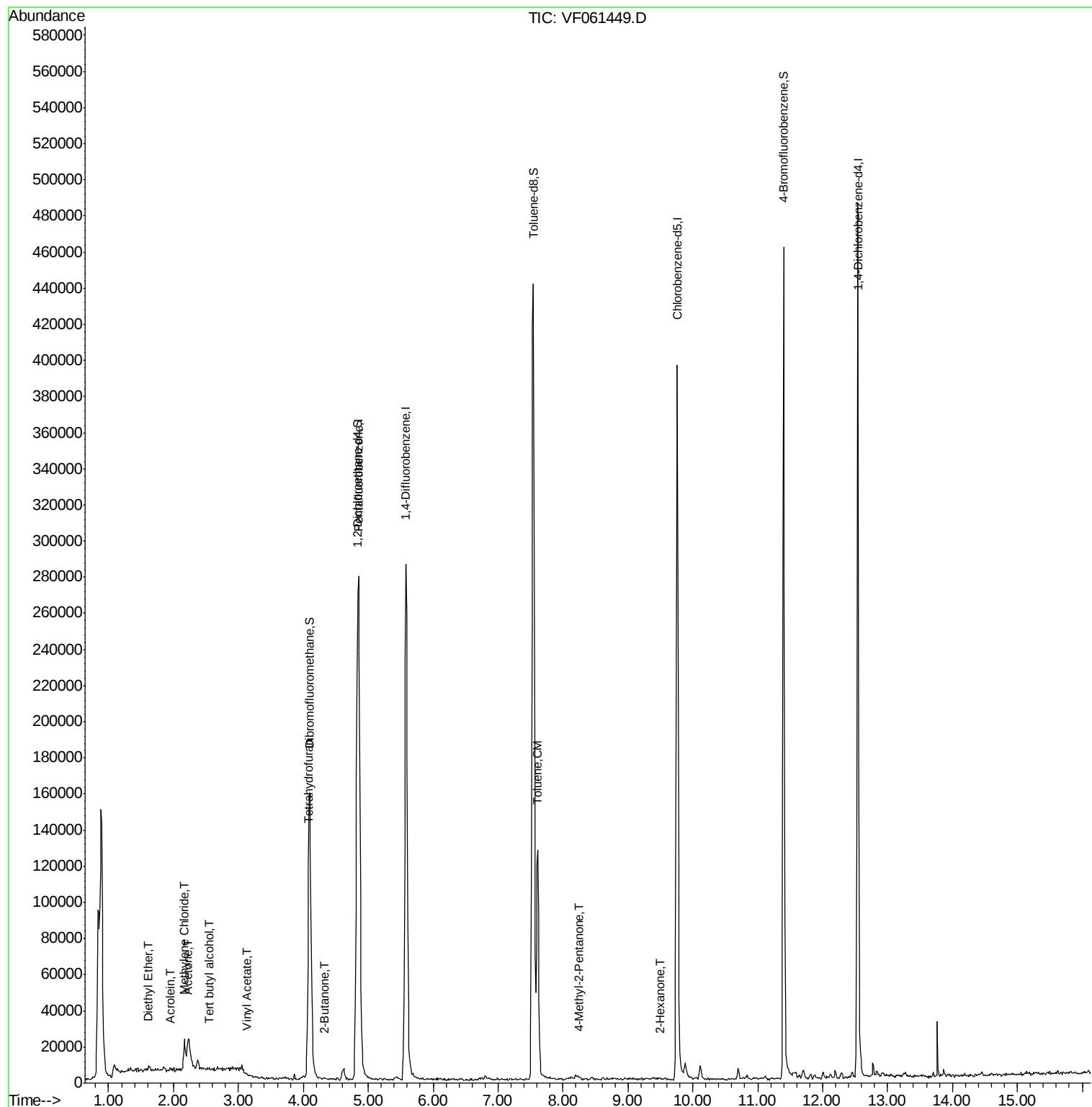
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.61	74	907	1.497	ug/l	97
11) Tert butyl alcohol	2.55	59	273	2.752	ug/l #	64
13) Acrolein	1.95	56	225	12.862	ug/l #	1
14) Allyl chloride	2.17	41	3979	Below Cal	#	40
16) Acetone	2.24	43	10620	22.590	ug/l	94
20) Methylene Chloride	2.18	84	5017	1.437	ug/l #	77
23) Vinyl Acetate	3.14	43	299	3.305	ug/l #	78
25) 2-Butanone	4.32	43	1448	1.852	ug/l #	57
29) Tetrahydrofuran	4.07	42	472	1.402	ug/l #	68
49) 1,4-Dioxane	6.98	88	69	Below Cal	#	13
51) 4-Methyl-2-Pentanone	8.24	43	1668	1.209	ug/l	89
52) Toluene	7.61	92	69838	12.744	ug/l	99
59) 2-Hexanone	9.51	43	1493	1.552	ug/l	77

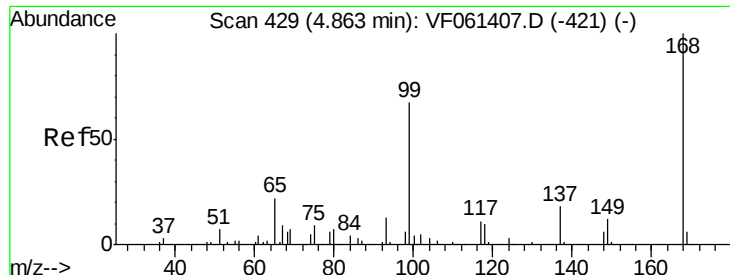
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

Instrument :

MSVOA_F

ClientSampleId :

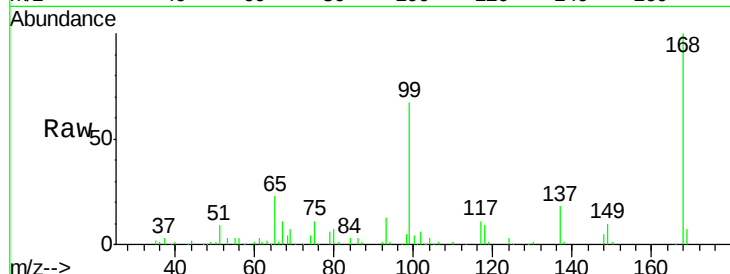
S3-FRONT-HOUSE-7

Tot Ion:168 Resp: 189806

Ion Ratio Lower Upper

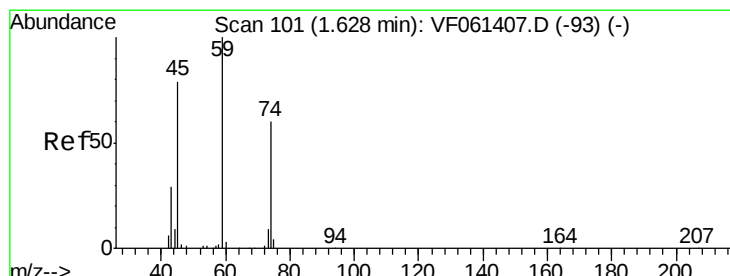
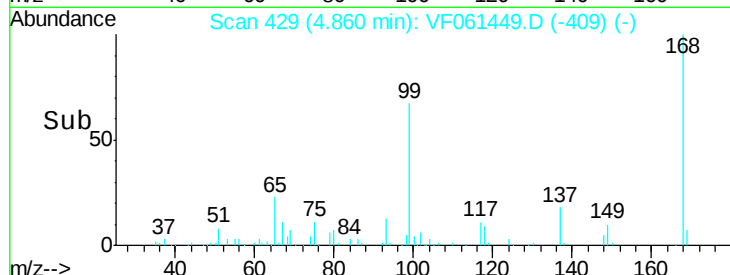
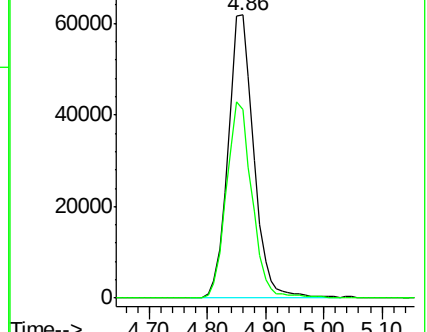
168 100

99 66.5 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.497 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061449.D

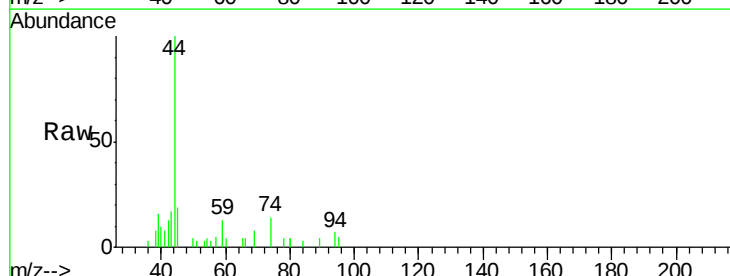
Acq: 17 Jan 2019 17:22

Tgt Ion: 74 Resp: 907

Ion Ratio Lower Upper

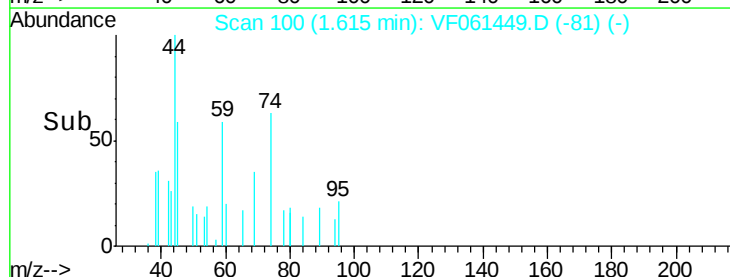
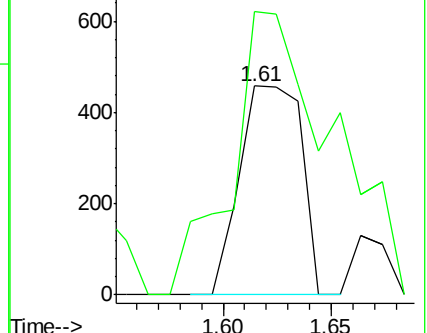
74 100

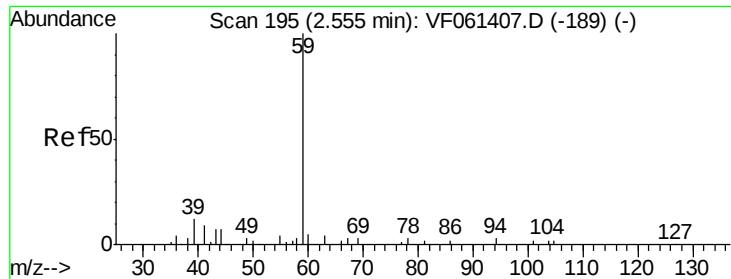
45 135.6 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



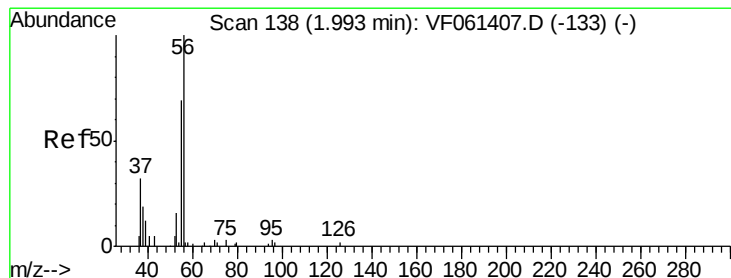
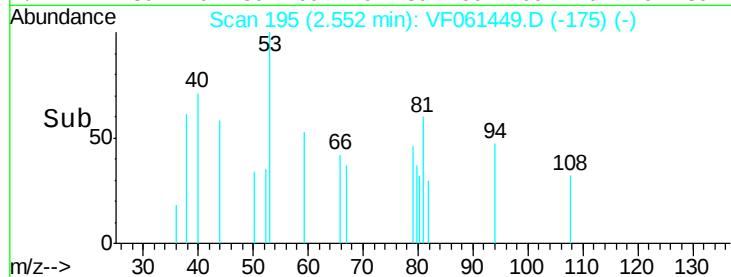
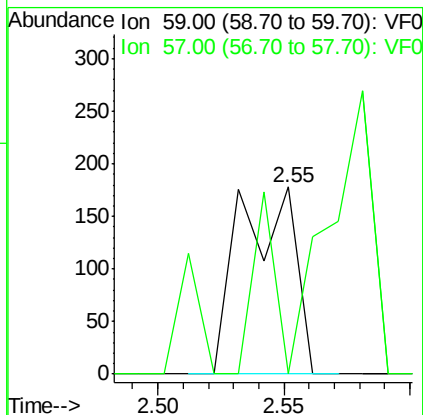
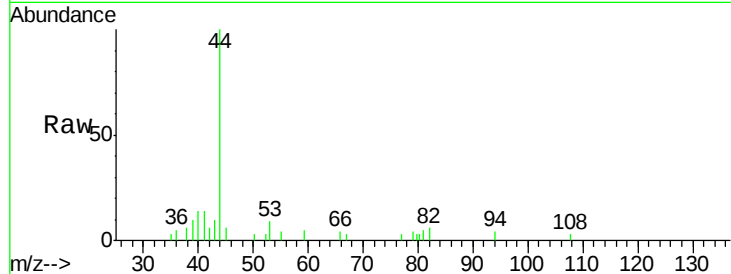


#11

Tert butyl alcohol
 Concen: 2.752 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VF061449.D
 Acq: 17 Jan 2019 17:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S3-FRONT-HOUSE-7

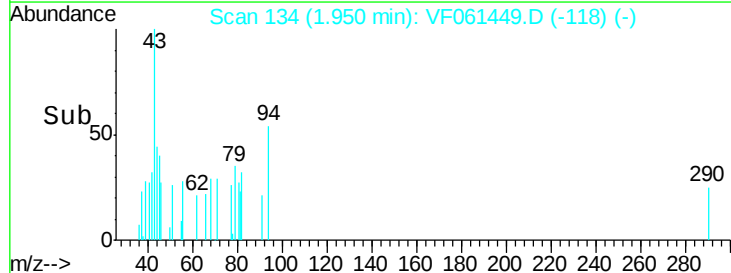
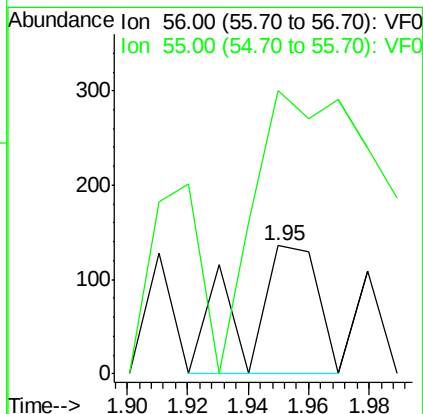
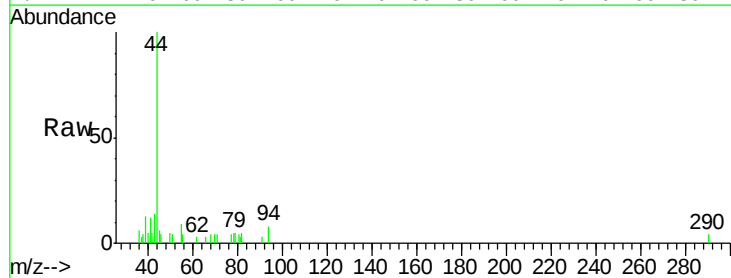
Tot Ion: 59 Resp: 273
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.9 17.9#

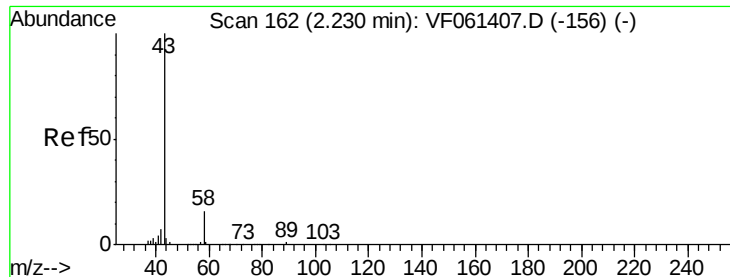


#13

Acrolein
 Concen: 12.862 ug/l
 RT: 1.95 min Scan# 134
 Delta R.T. -0.04 min
 Lab File: VF061449.D
 Acq: 17 Jan 2019 17:22

Tgt Ion: 56 Resp: 225
 Ion Ratio Lower Upper
 56 100
 55 220.6 57.5 86.3#

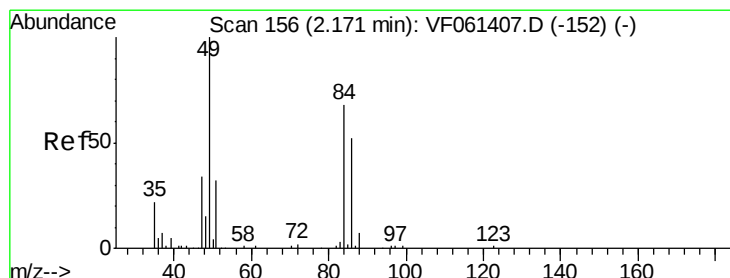
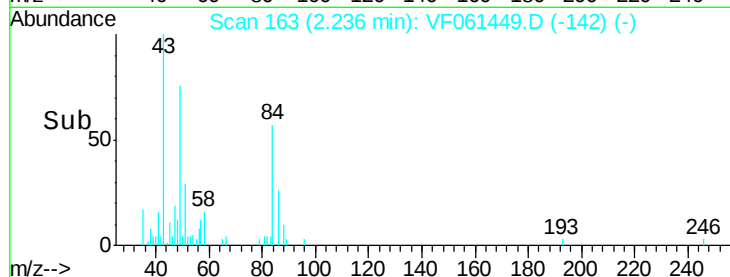
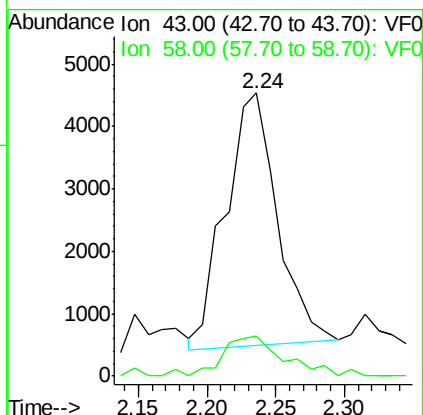
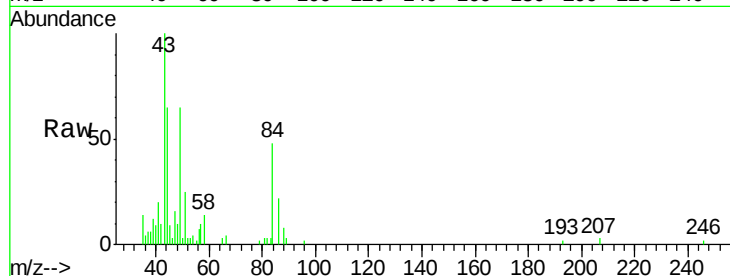




#16
Acetone
Concen: 22.590 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF061449.D
Acq: 17 Jan 2019 17:22

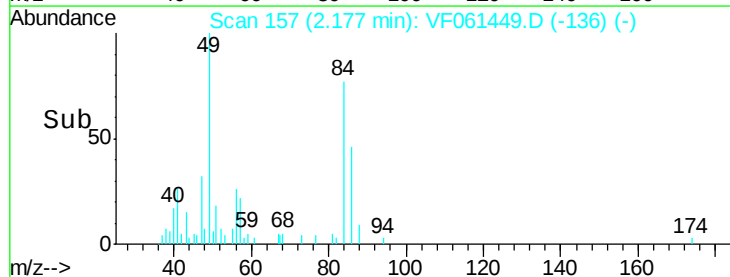
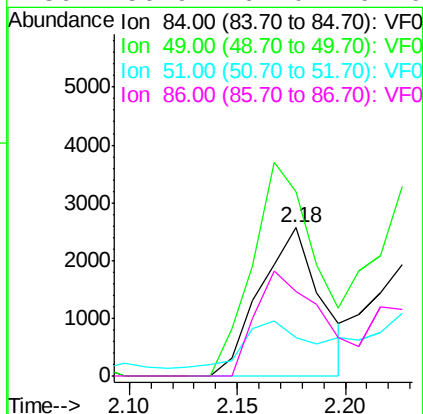
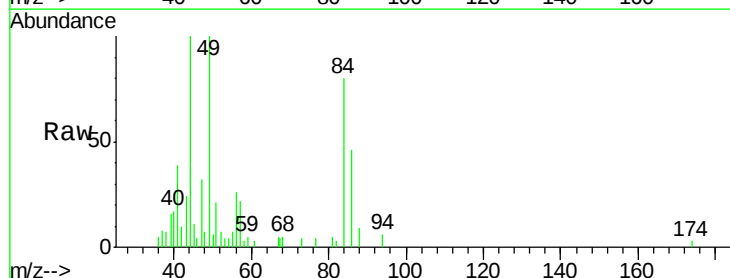
Instrument :
MSVOA_F
ClientSampleId :
S3-FRONT-HOUSE-7

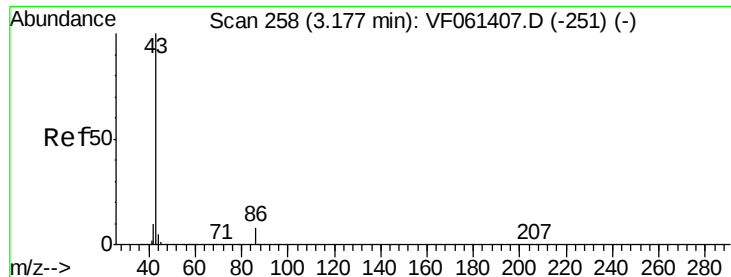
Tot Ion: 43 Resp: 10620
Ion Ratio Lower Upper
43 100
58 14.0 13.3 19.9



#20
Methylene Chloride
Concen: 1.437 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061449.D
Acq: 17 Jan 2019 17:22

Tgt Ion: 84 Resp: 5017
Ion Ratio Lower Upper
84 100
49 124.5 120.0 180.0
51 26.4 38.6 58.0#
86 56.9 61.0 91.6#





#23

Vinyl Acetate

Concen: 3.305 ug/l

RT: 3.14 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

Instrument :

MSVOA_F

ClientSampleId :

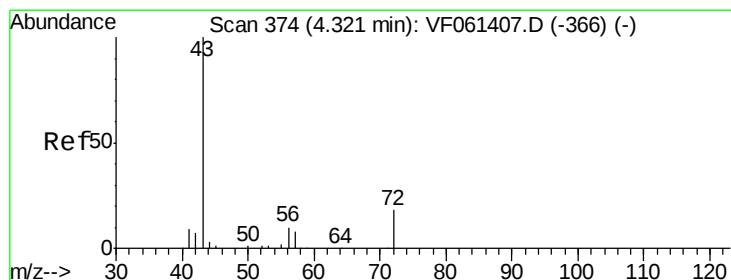
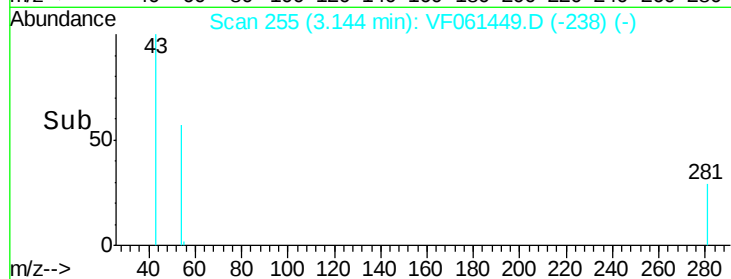
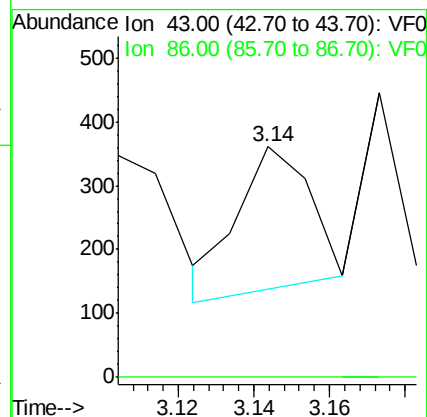
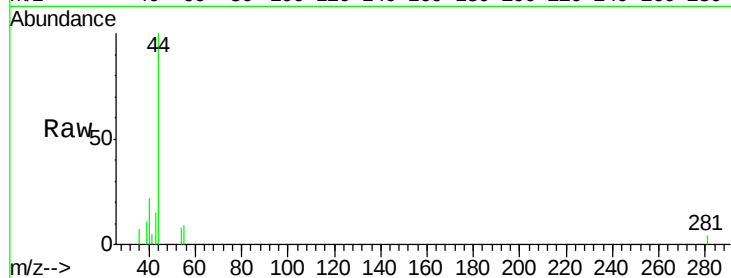
S3-FRONT-HOUSE-7

Tot Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#25

2-Butanone

Concen: 1.852 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061449.D

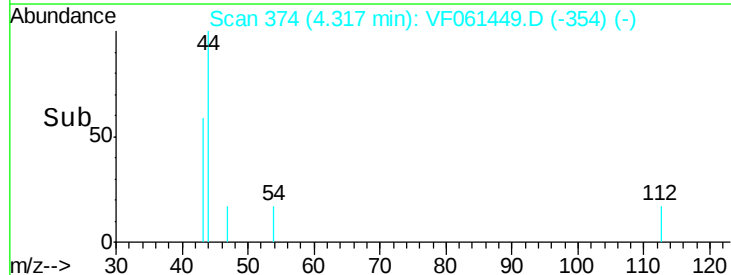
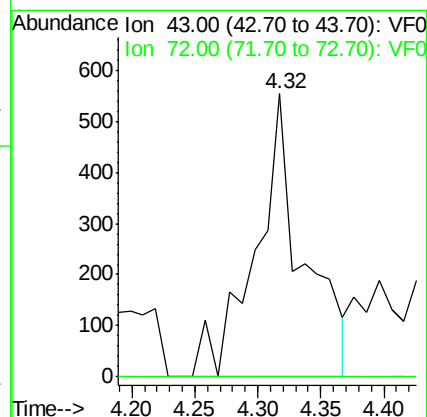
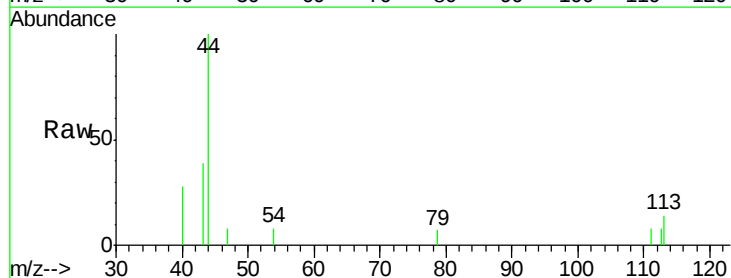
Acq: 17 Jan 2019 17:22

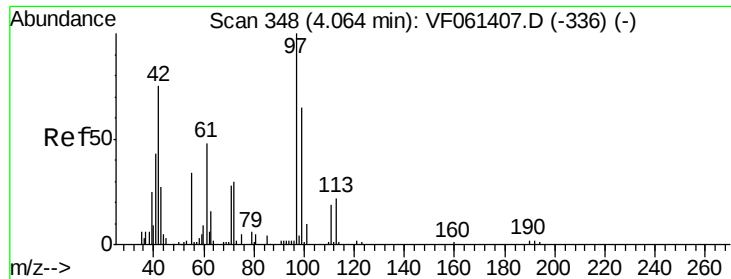
Tgt Ion: 43 Resp: 1448

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#





#29

Tetrahydrofuran

Concen: 1.402 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

Instrument :

MSVOA_F

ClientSampleId :

S3-FRONT-HOUSE-7

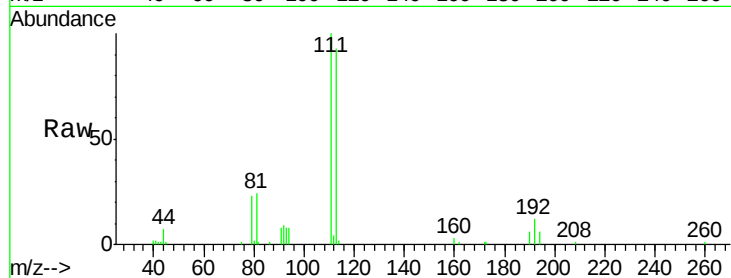
Tot Ion: 42 Resp: 472

Ion Ratio Lower Upper

42 100

72 20.8 28.9 43.3#

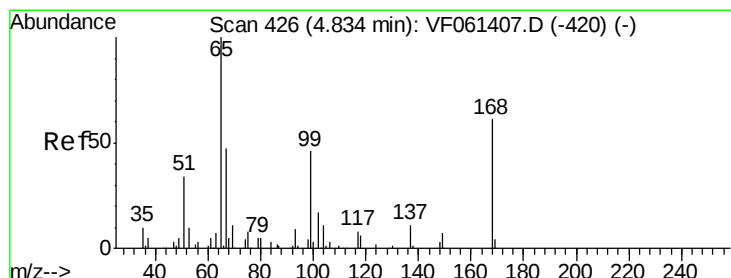
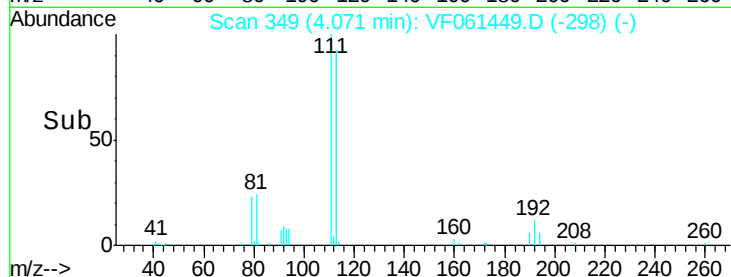
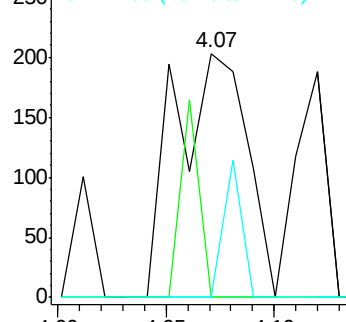
71 14.2 29.6 44.4#



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: 61.764 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061449.D

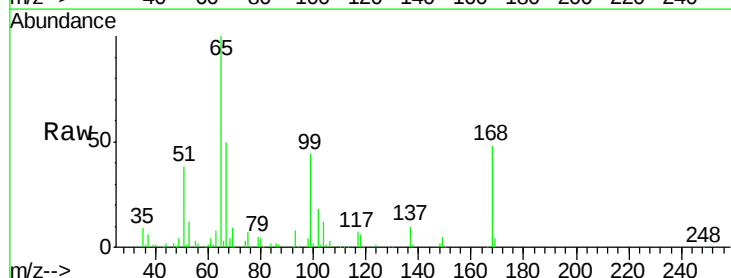
Acq: 17 Jan 2019 17:22

Tgt Ion: 65 Resp: 144737

Ion Ratio Lower Upper

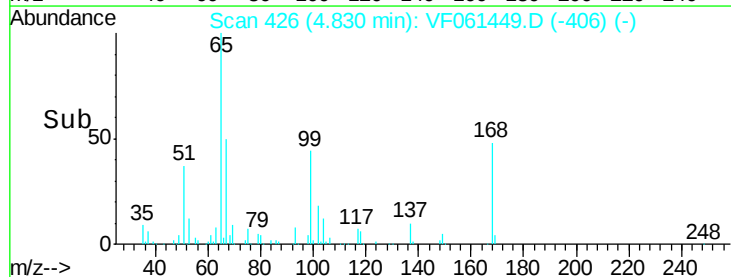
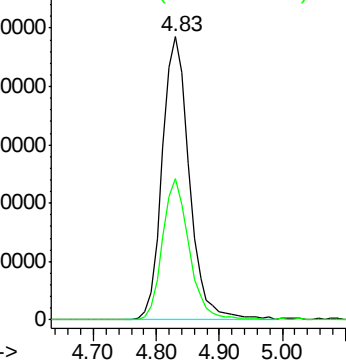
65 100

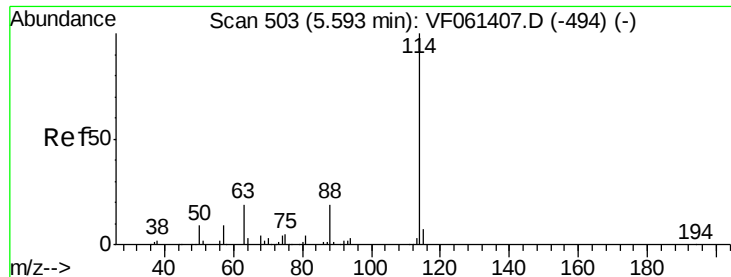
67 49.8 0.0 99.8



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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

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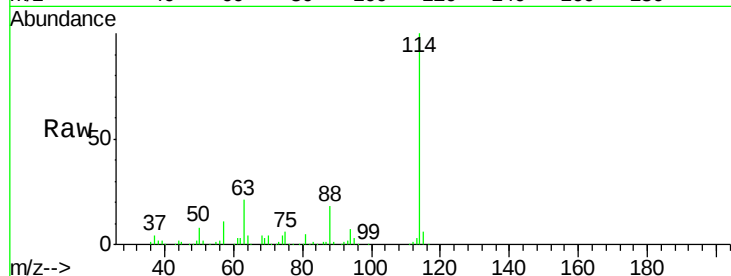
Tot Ion:114 Resp: 322542

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

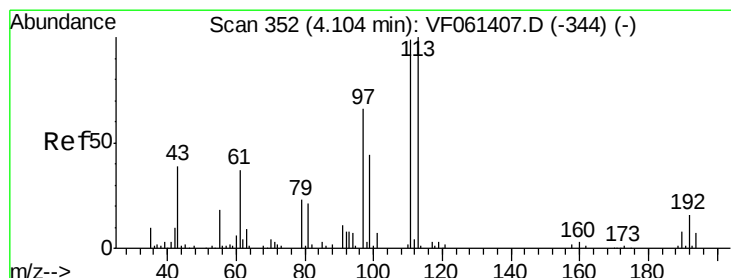
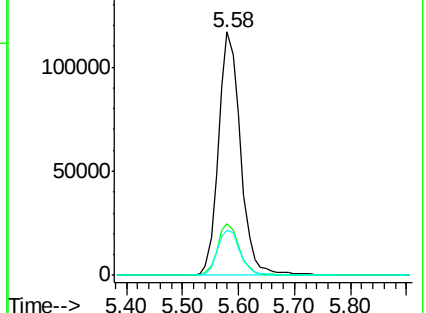
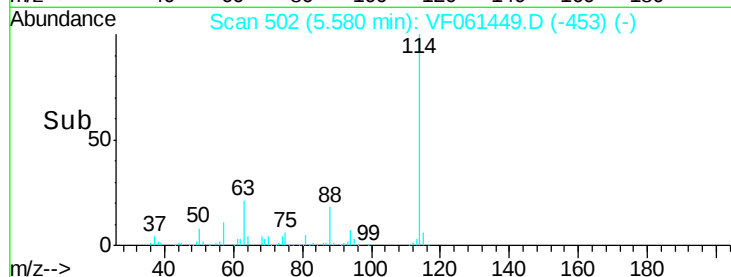
88 18.5 0.0 37.4



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: 62.645 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

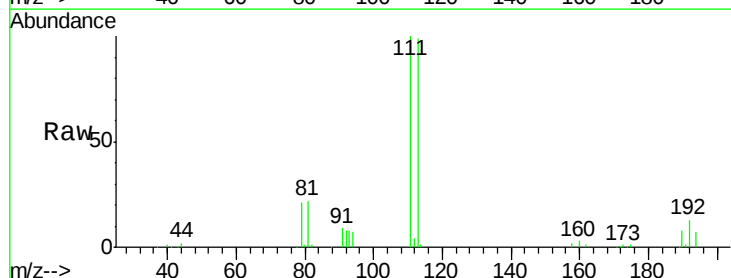
Tgt Ion:113 Resp: 159440

Ion Ratio Lower Upper

113 100

111 100.6 79.4 119.0

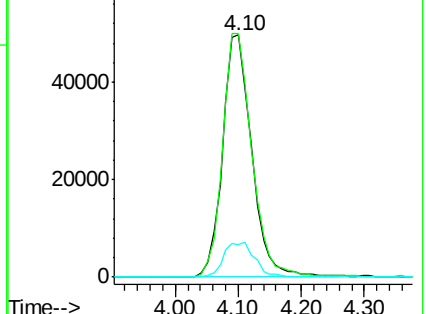
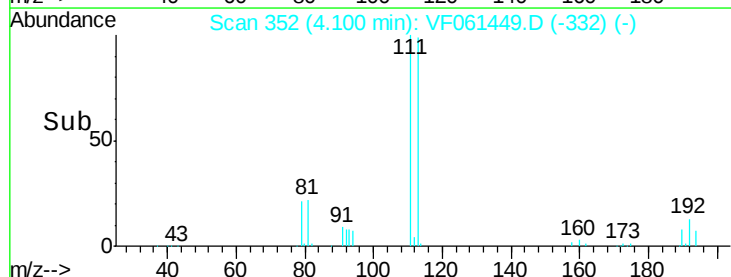
192 13.3 12.4 18.6

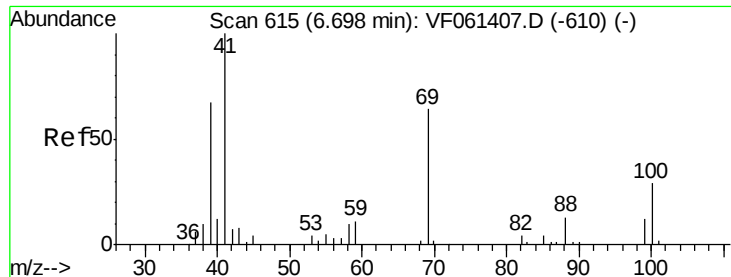


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.98 min Scan# 644

Delta R.T. 0.28 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

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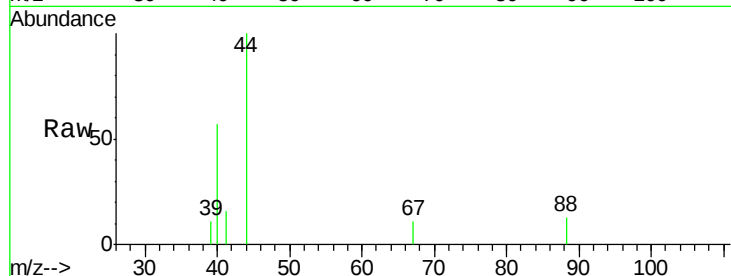
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 0.0 55.5 83.3#

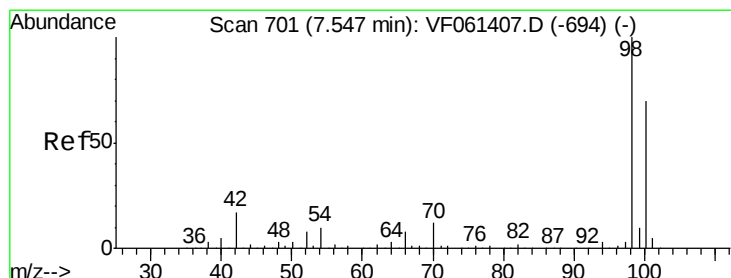
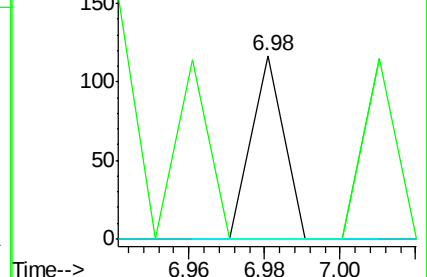
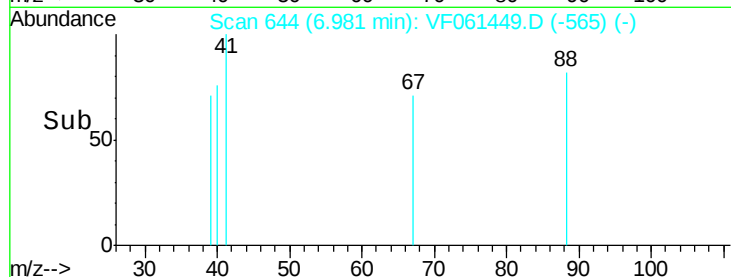
58 0.0 59.9 89.9#



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: 54.795 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061449.D

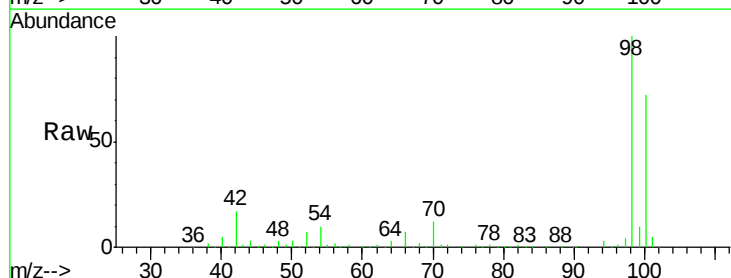
Acq: 17 Jan 2019 17:22

Tgt Ion: 98 Resp: 382094

Ion Ratio Lower Upper

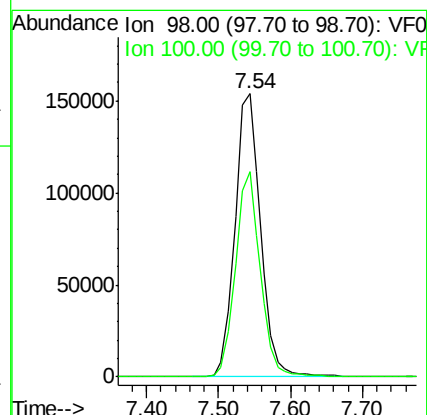
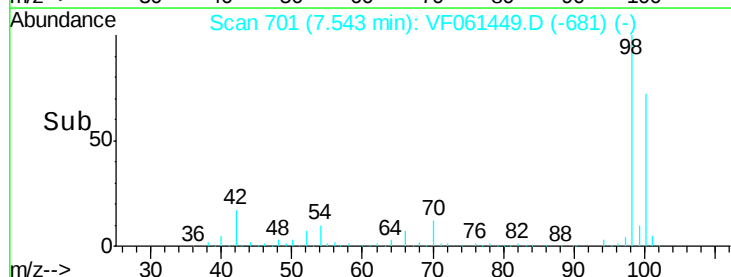
98 100

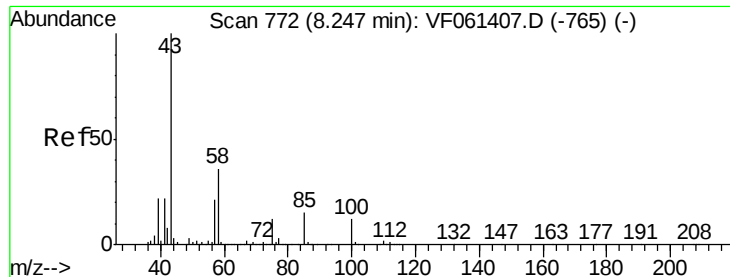
100 72.3 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.209 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061449.D

Acq: 17 Jan 2019 17:22

Instrument :

MSVOA_F

ClientSampleId :

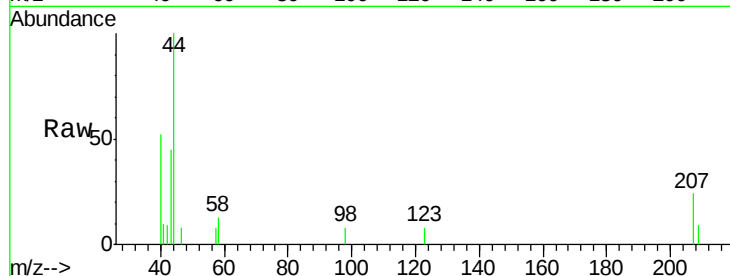
S3-FRONT-HOUSE-7

Tot Ion: 43 Resp: 1668

Ion Ratio Lower Upper

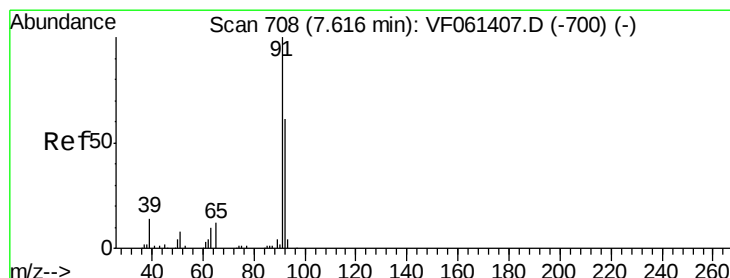
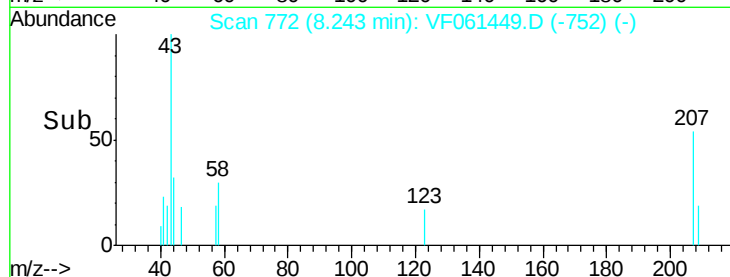
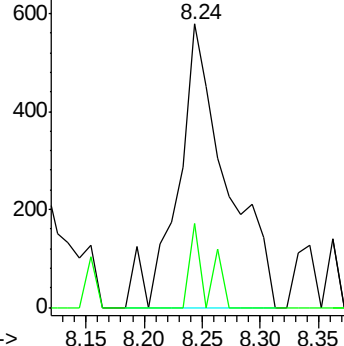
43 100

58 29.6 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 12.744 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061449.D

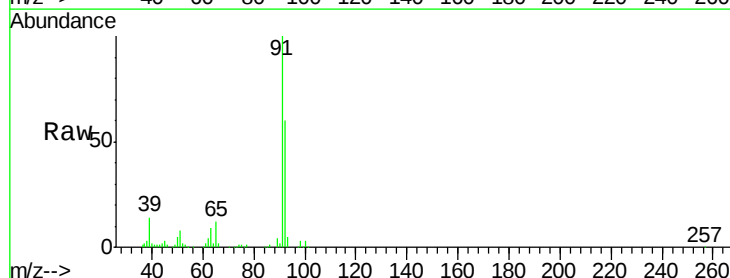
Acq: 17 Jan 2019 17:22

Tgt Ion: 92 Resp: 69838

Ion Ratio Lower Upper

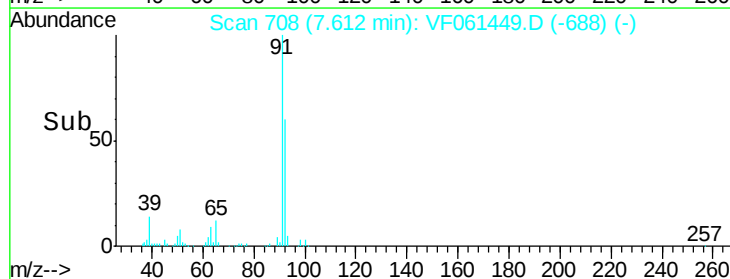
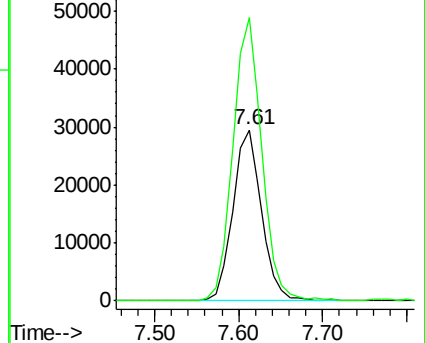
92 100

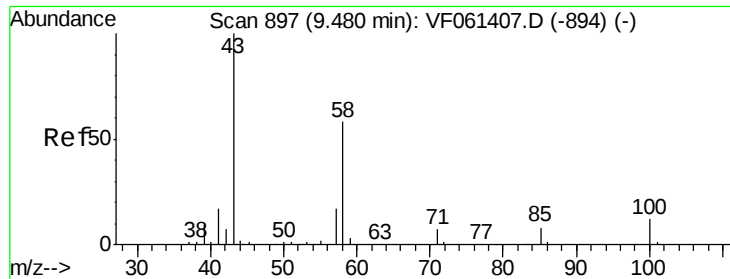
91 165.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

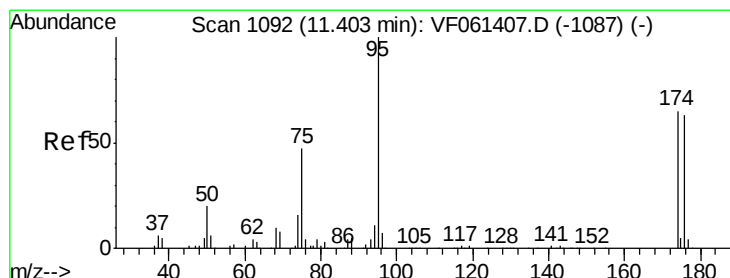
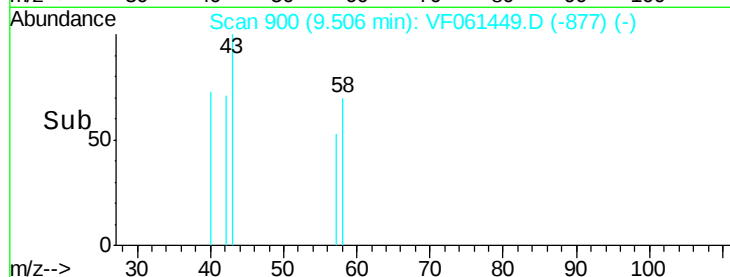
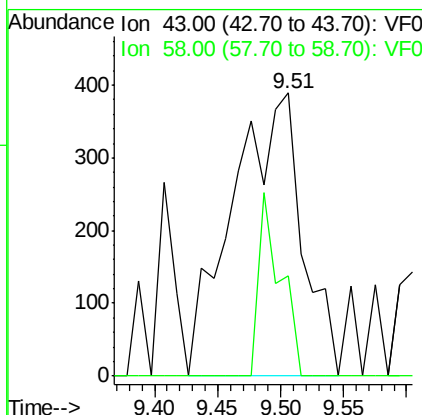
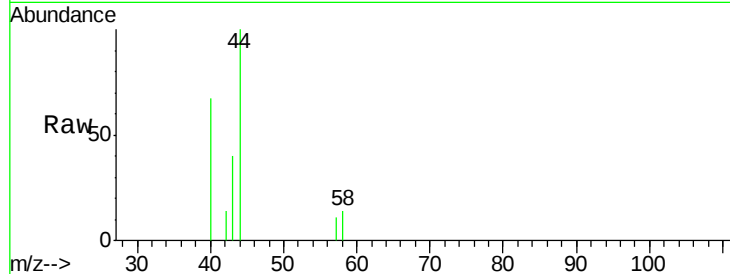




#59
 2-Hexanone
 Concen: 1.552 ug/l
 RT: 9.51 min Scan# 900
 Delta R.T. 0.03 min
 Lab File: VF061449.D
 Acq: 17 Jan 2019 17:22

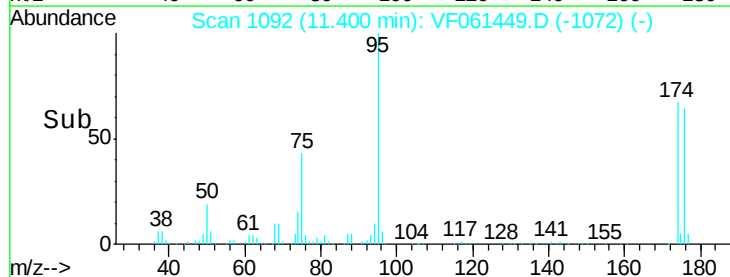
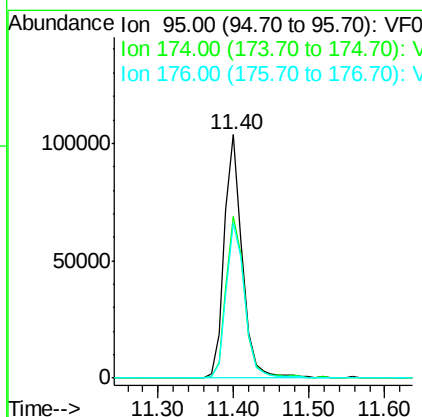
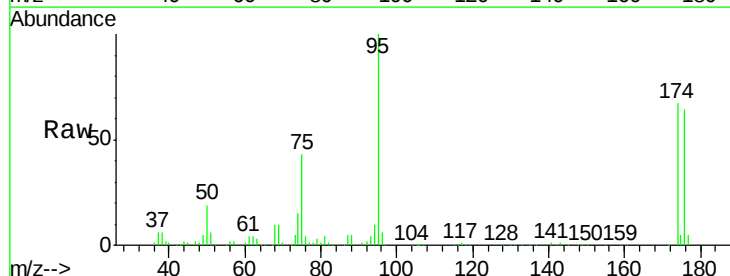
Instrument :
 MSVOA_F
 ClientSampleId :
 S3-FRONT-HOUSE-7

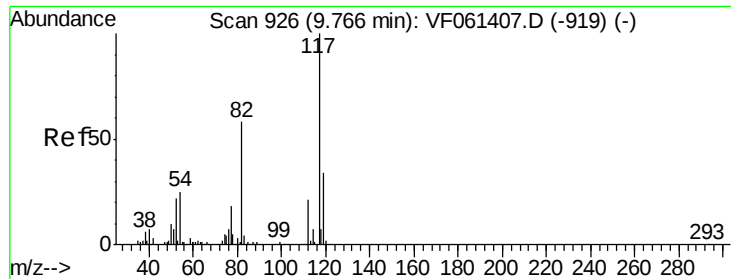
Tot Ion: 43 Resp: 1493
 Ion Ratio Lower Upper
 43 100
 58 35.5 25.9 77.6



#62
 4-Bromofluorobenzene
 Concen: 52.774 ug/l
 RT: 11.40 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VF061449.D
 Acq: 17 Jan 2019 17:22

Tgt Ion: 95 Resp: 171943
 Ion Ratio Lower Upper
 95 100
 174 66.7 0.0 130.4
 176 63.7 0.0 126.2

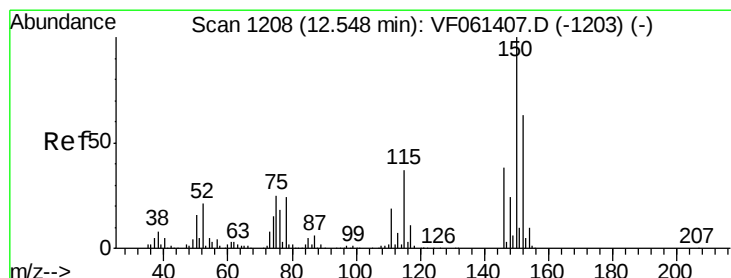
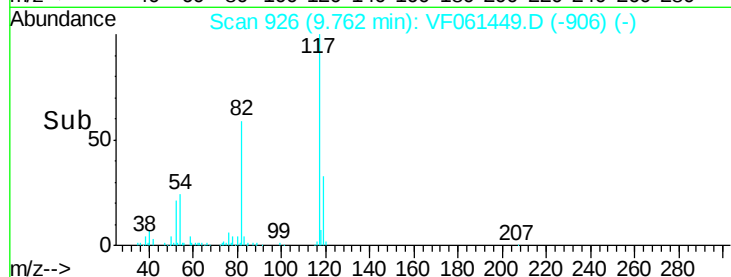
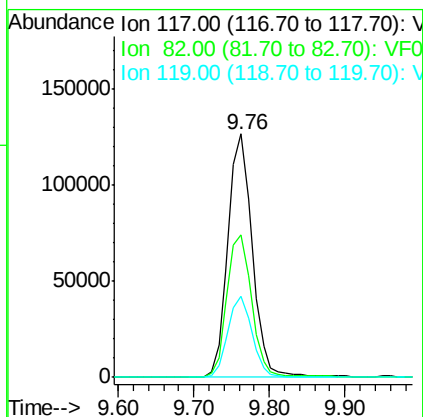
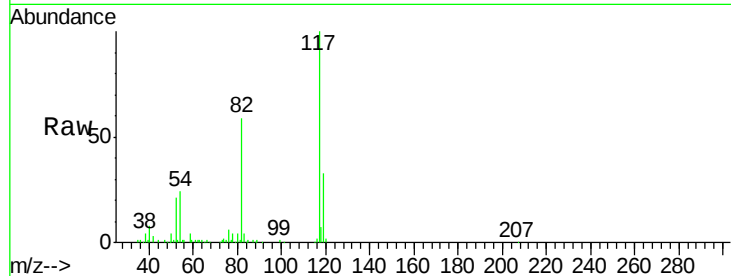




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061449.D
Acq: 17 Jan 2019 17:22

Instrument :
MSVOA_F
ClientSampleId :
S3-FRONT-HOUSE-7

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.4	69.6
119	33.1	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061449.D
Acq: 17 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.0	90.0
150	152.7	0.0	321.4

