

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061464.D
 Acq On : 18 Jan 2019 17:29
 Operator : VA/AP
 Sample : K1013-03RE
 Misc : 6.24g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-B

Quant Time: Jan 19 03:59:55 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	215500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	380161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	338230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	147800	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	109496	41.15	ug/l	0.00
Spiked Amount			Recovery	=	82.30%	
35) Dibromofluoromethane	4.10	113	133631	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	
50) Toluene-d8	7.55	98	343671	41.81	ug/l	0.00
Spiked Amount			Recovery	=	83.62%	
62) 4-Bromofluorobenzene	11.40	95	148064	38.56	ug/l	0.00
Spiked Amount			Recovery	=	77.12%	

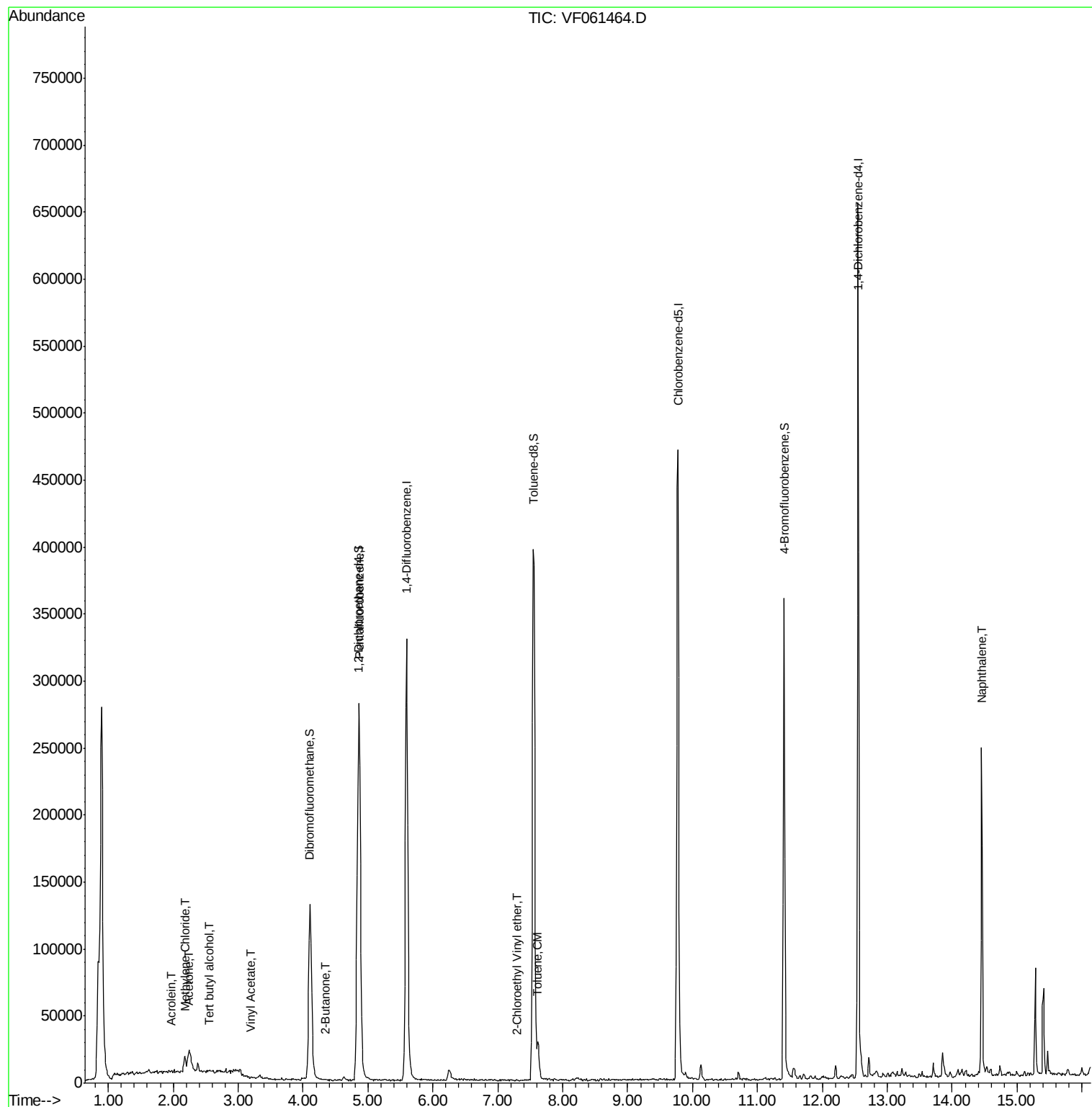
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	228	2.025	ug/l #	64
13) Acrolein	1.95	56	398	14.270	ug/l #	4
14) Allyl chloride	2.12	41	394	Below Cal	#	46
16) Acetone	2.24	43	15324	28.710	ug/l	97
20) Methylene Chloride	2.18	84	6338	1.804	ug/l #	88
23) Vinyl Acetate	3.20	43	273	3.284	ug/l #	78
25) 2-Butanone	4.34	43	1152	1.298	ug/l #	57
52) Toluene	7.62	92	13476	2.086	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	63	27.768	ug/l #	47
95) Naphthalene	14.45	128	168028	26.584	ug/l	99

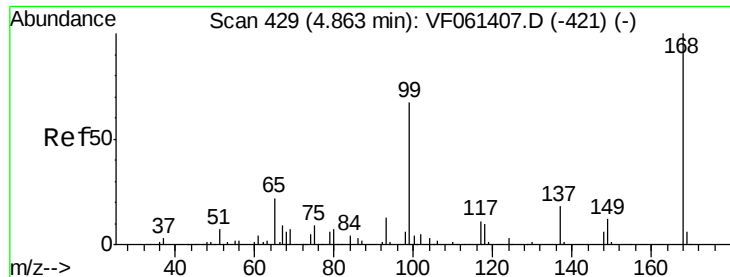
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011819\
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Quant Time: Jan 19 03:59:55 2019
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: VF061464.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

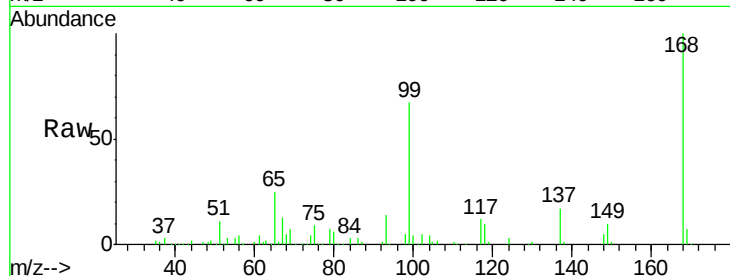
PL-01-011819-B

Tot Ion:168 Resp: 215500

Ion Ratio Lower Upper

168 100

99 66.9 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

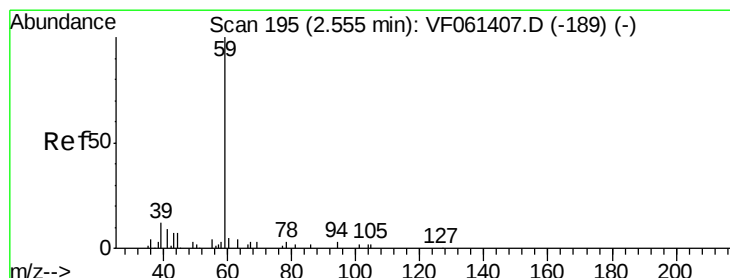
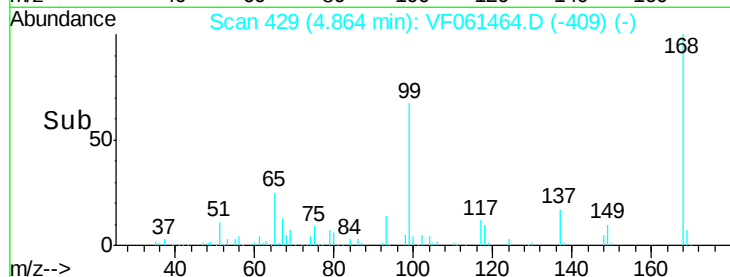
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 2.025 ug/l

RT: 2.57 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF061464.D

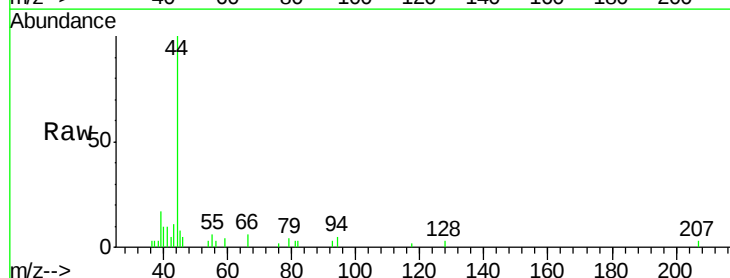
Acq: 18 Jan 2019 17:29

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

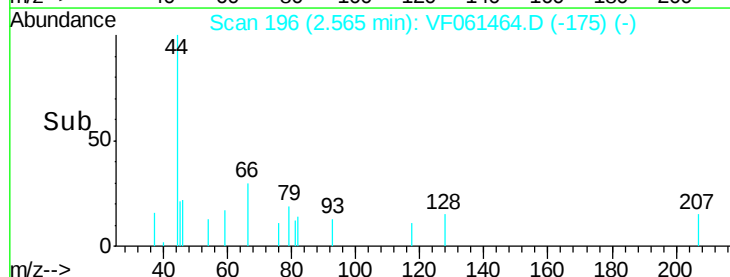
100

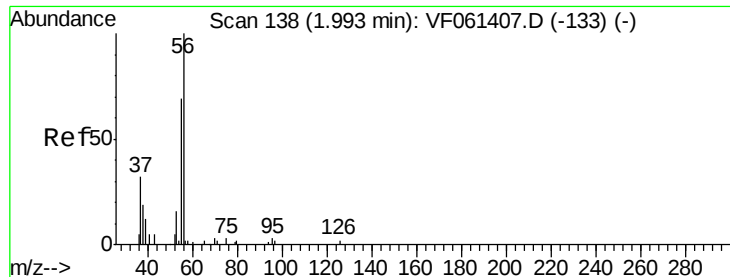
50

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 14.270 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.04 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

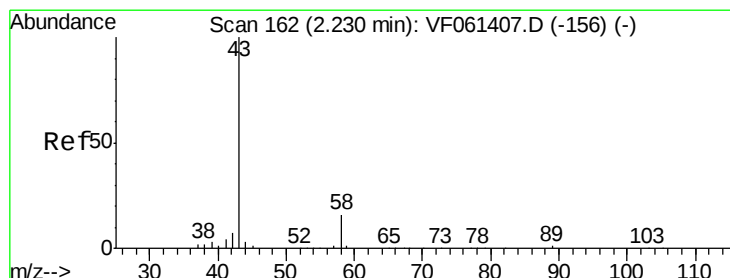
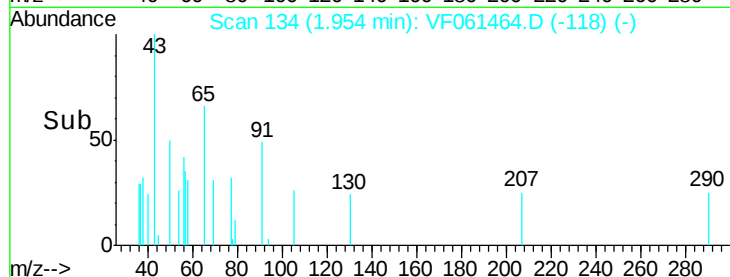
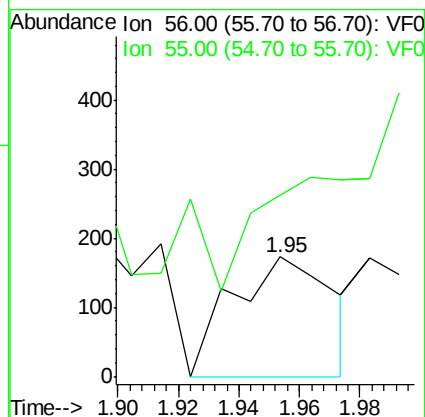
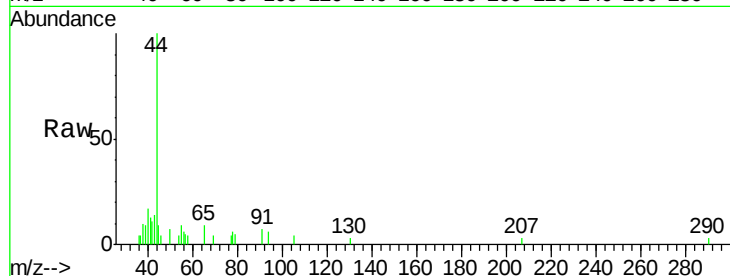
PL-01-011819-B

Tot Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 151.4 57.5 86.3#



#16

Acetone

Concen: 28.710 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061464.D

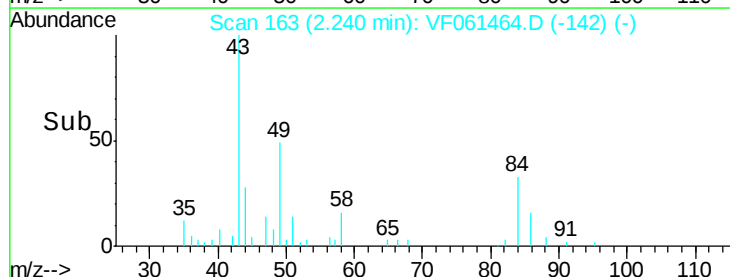
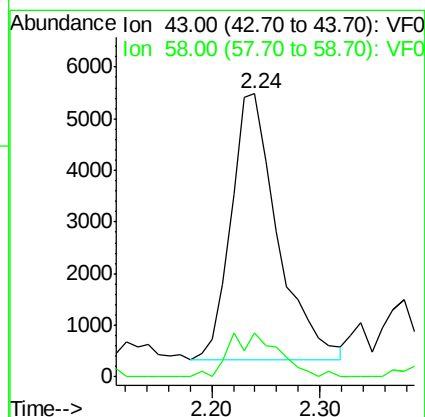
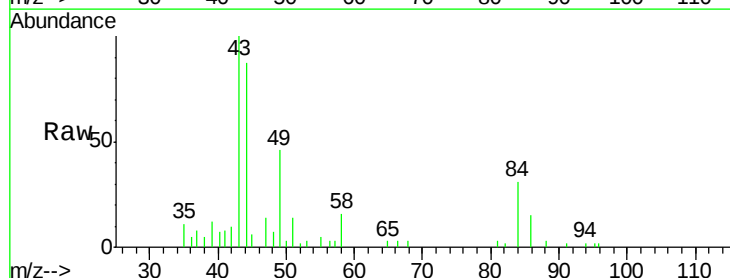
Acq: 18 Jan 2019 17:29

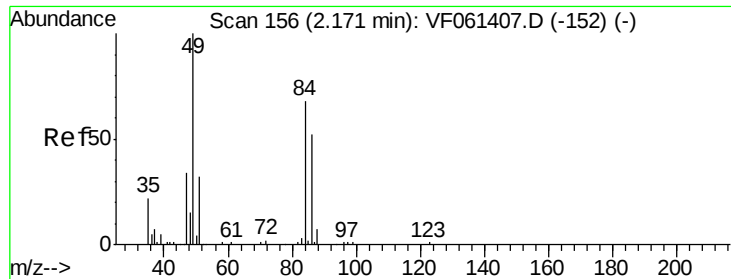
Tgt Ion: 43 Resp: 15324

Ion Ratio Lower Upper

43 100

58 15.5 13.3 19.9

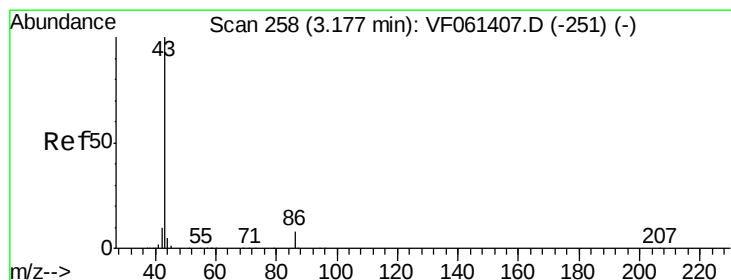
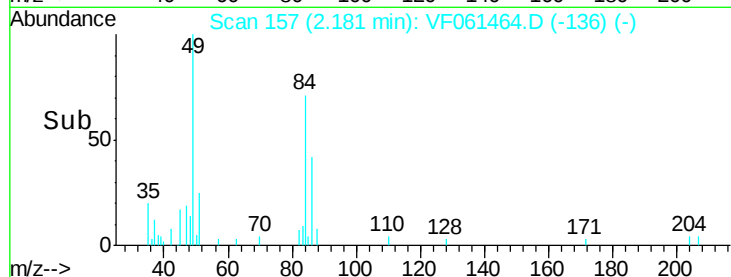
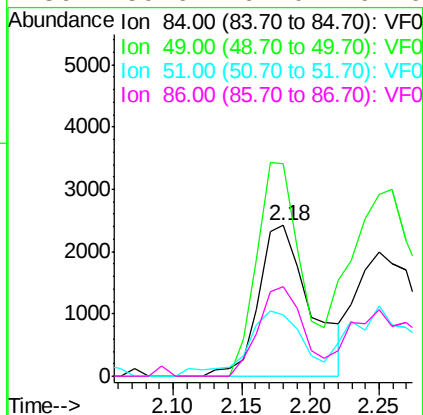
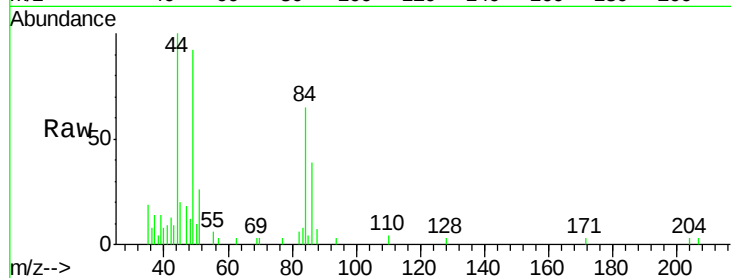




#20
Methvlene Chloride
Concen: 1.804 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061464.D
Acq: 18 Jan 2019 17:29

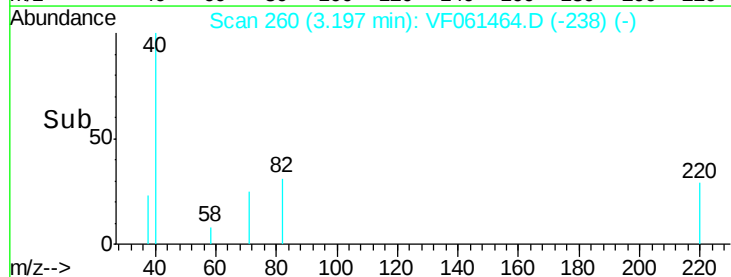
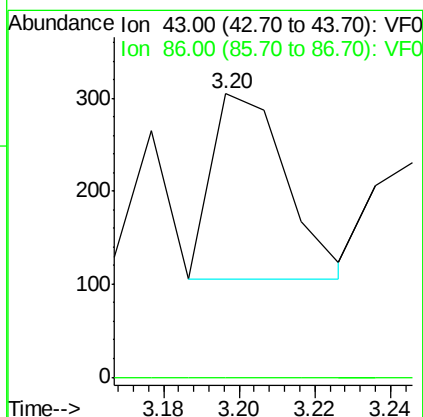
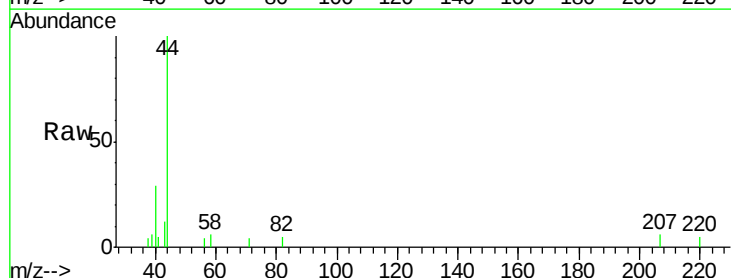
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-B

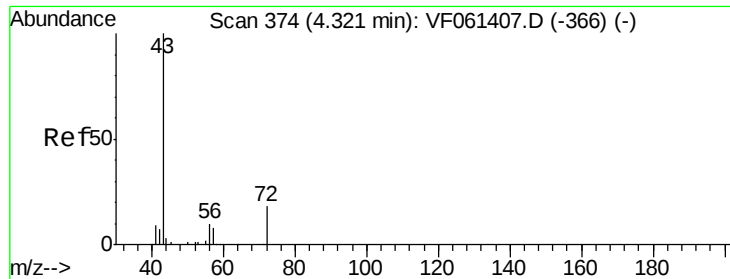
Tot Ion: 84 Resp: 6338
Ion Ratio Lower Upper
84 100
49 140.5 120.0 180.0
51 40.4 38.6 58.0
86 59.6 61.0 91.6#



#23
Vinyl Acetate
Concen: 3.284 ug/l
RT: 3.20 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF061464.D
Acq: 18 Jan 2019 17:29

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.298 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

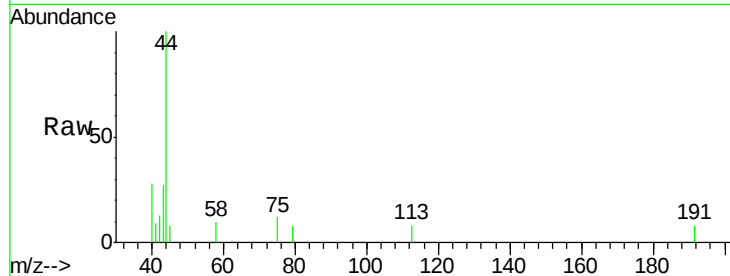
PL-01-011819-B

Tot Ion: 43 Resp: 1152

Ion Ratio Lower Upper

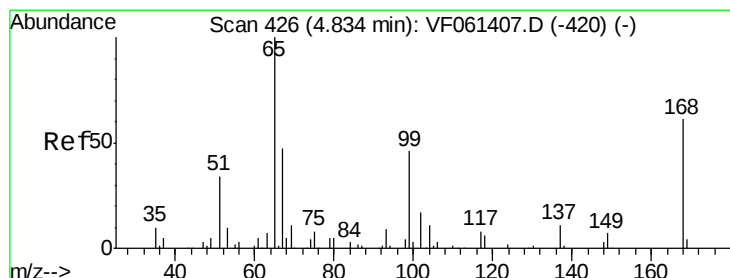
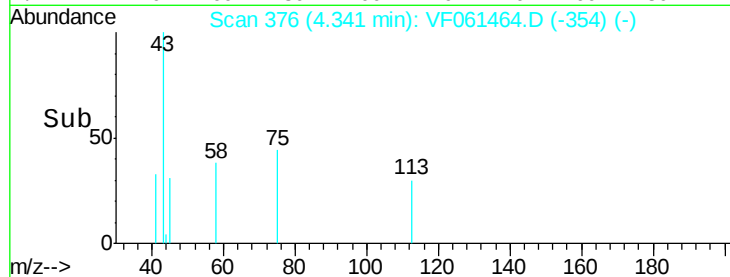
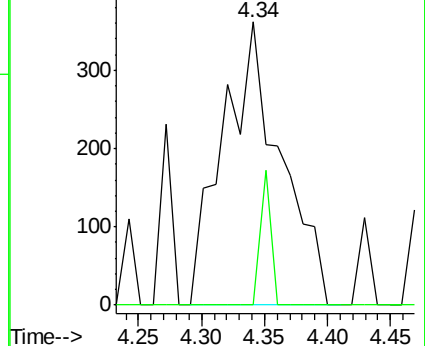
43 100

72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 41.154 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061464.D

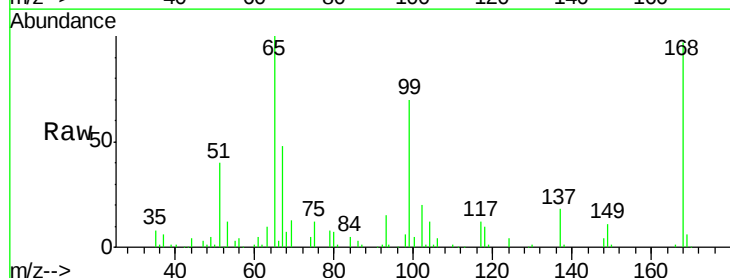
Acq: 18 Jan 2019 17:29

Tgt Ion: 65 Resp: 109496

Ion Ratio Lower Upper

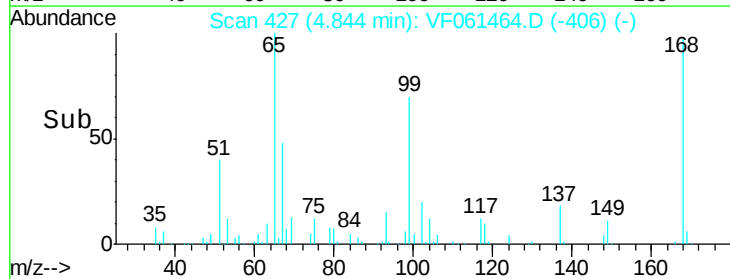
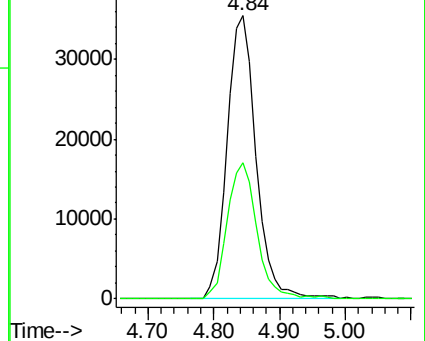
65 100

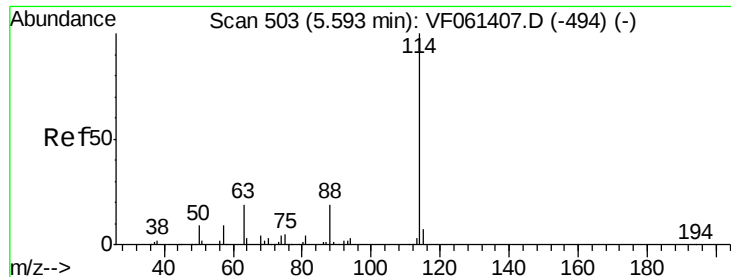
67 48.2 0.0 99.8



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: 5.59 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

PL-01-011819-B

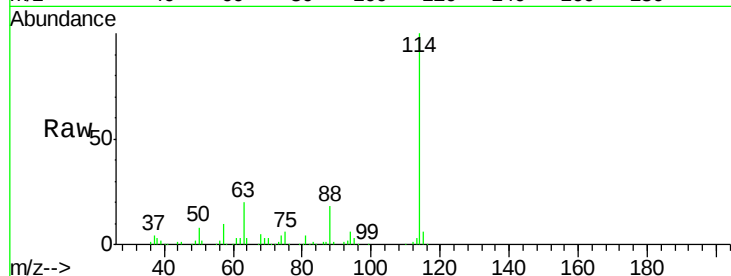
Tot Ion:114 Resp: 380161

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

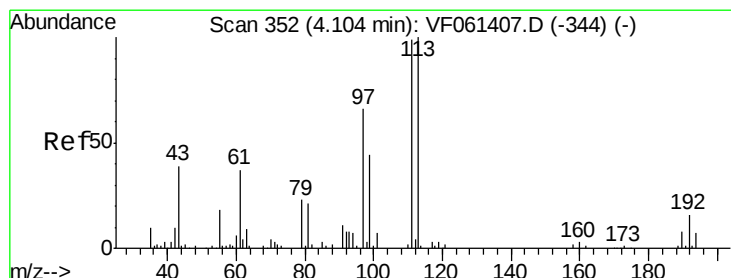
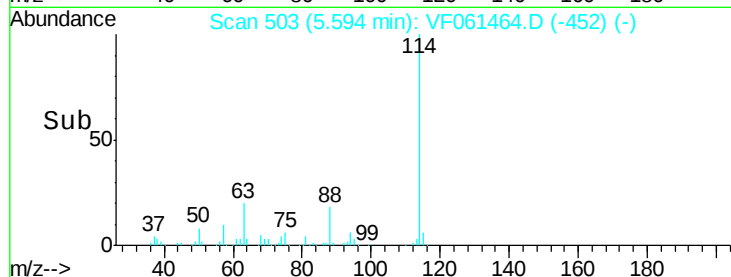
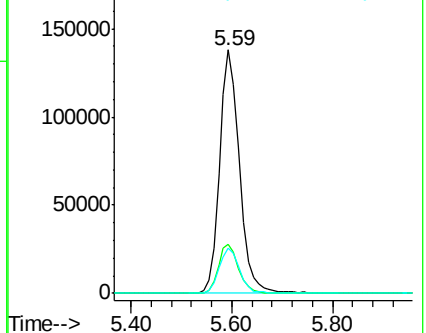
88 18.4 0.0 37.4



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: 44.547 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

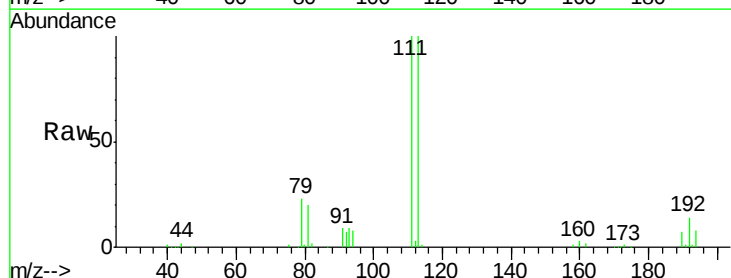
Tgt Ion:113 Resp: 133631

Ion Ratio Lower Upper

113 100

111 99.6 79.4 119.0

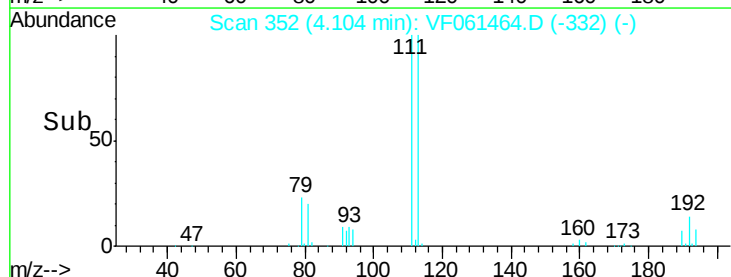
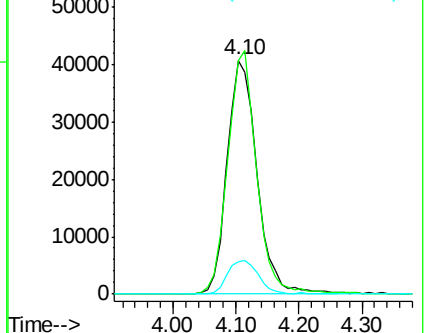
192 14.0 12.4 18.6

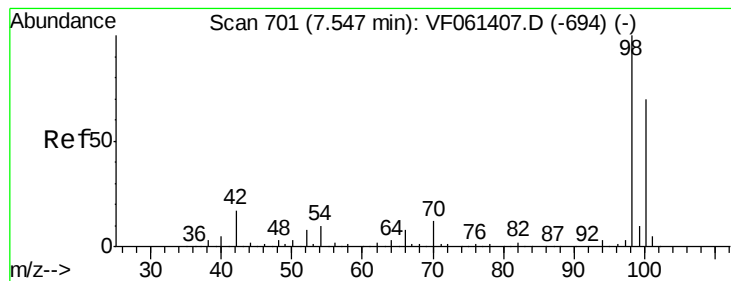


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 41.815 ug/l

RT: 7.55 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

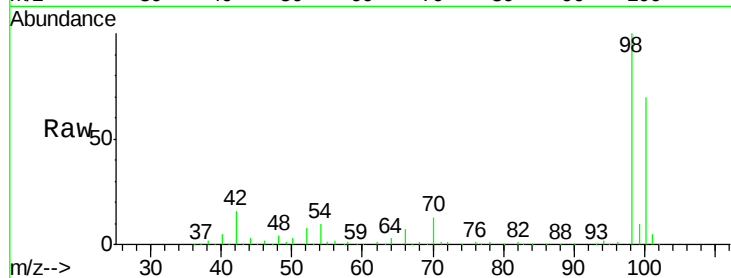
PL-01-011819-B

Tot Ion: 98 Resp: 343671

Ion Ratio Lower Upper

98 100

100 69.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

100000

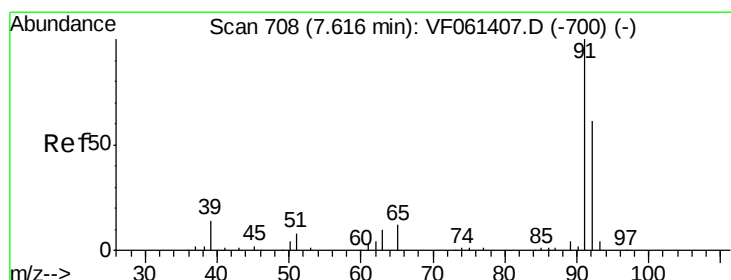
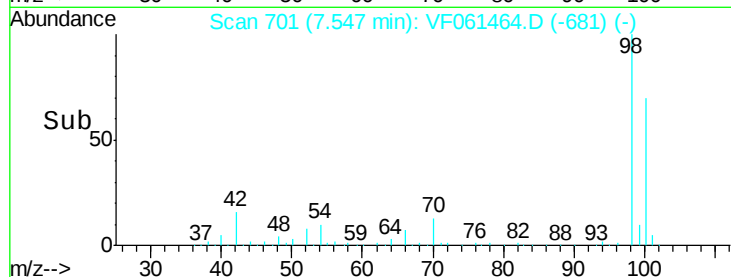
50000

0

7.55

7.40 7.50 7.60 7.70

Time-->



#52

Toluene

Concen: 2.086 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061464.D

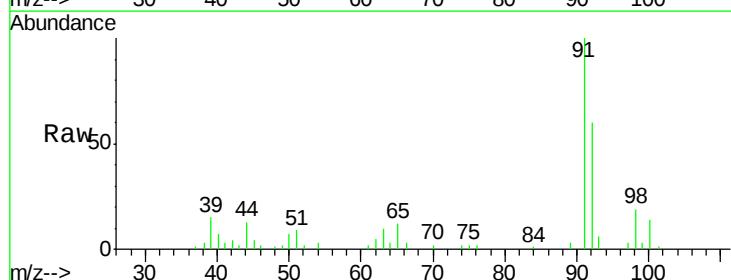
Acq: 18 Jan 2019 17:29

Tgt Ion: 92 Resp: 13476

Ion Ratio Lower Upper

92 100

91 166.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

10000

8000

6000

4000

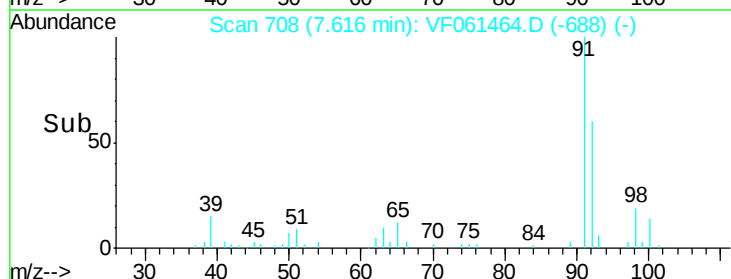
2000

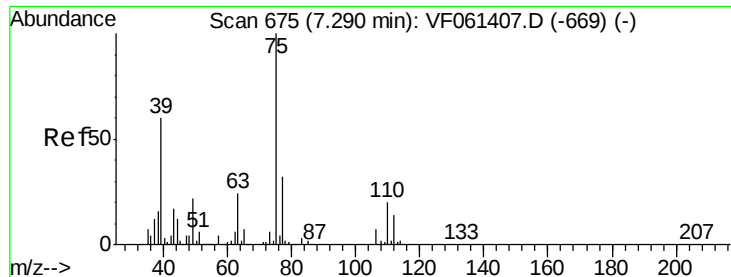
0

7.62

7.55 7.60 7.65 7.70

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 27.768 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

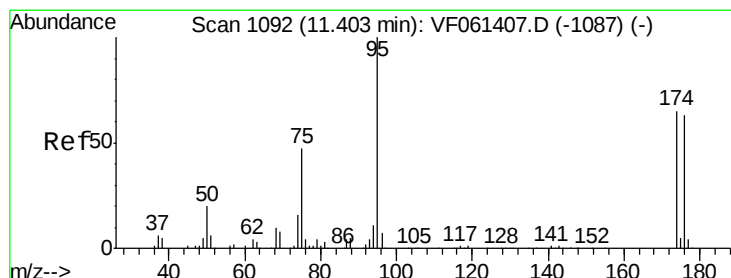
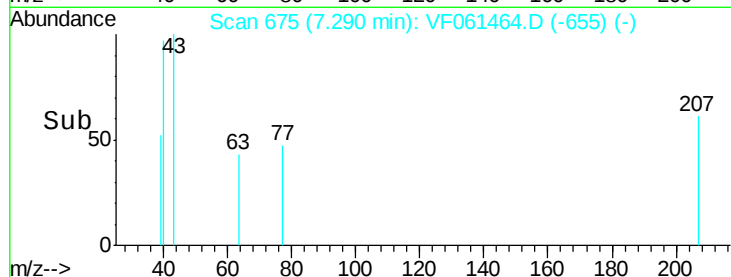
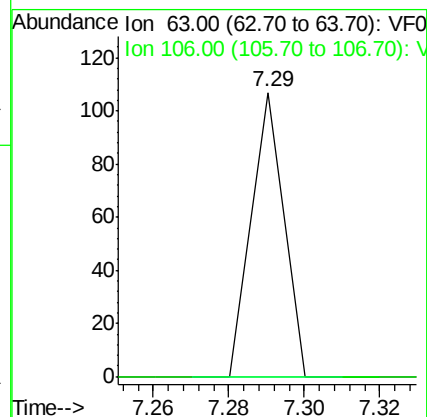
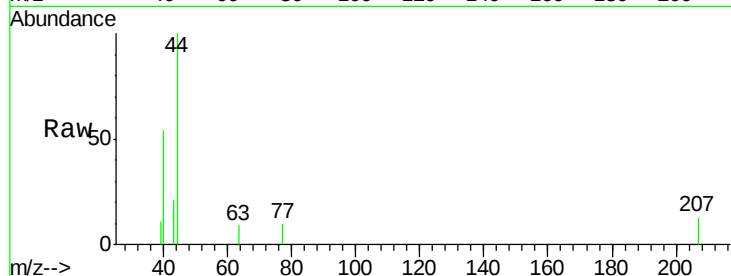
PL-01-011819-B

Tot Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



#62

4-Bromofluorobenzene

Concen: 38.557 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061464.D

Acq: 18 Jan 2019 17:29

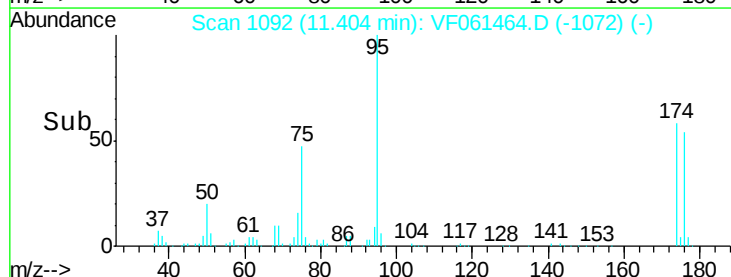
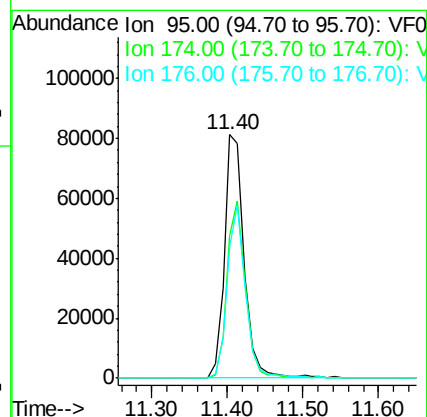
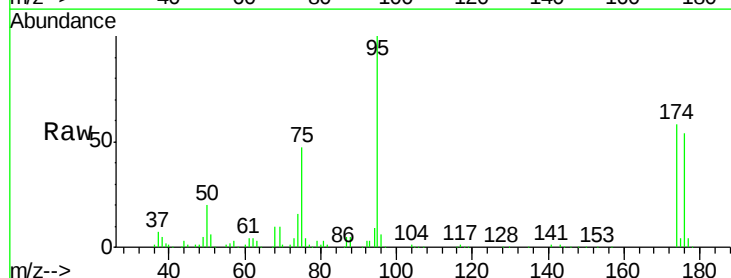
Tgt Ion: 95 Resp: 148064

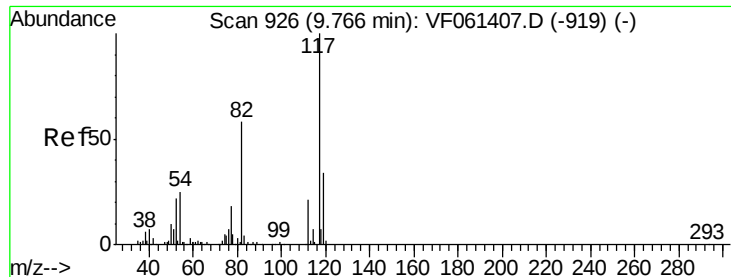
Ion Ratio Lower Upper

95 100

174 58.5 0.0 130.4

176 53.9 0.0 126.2

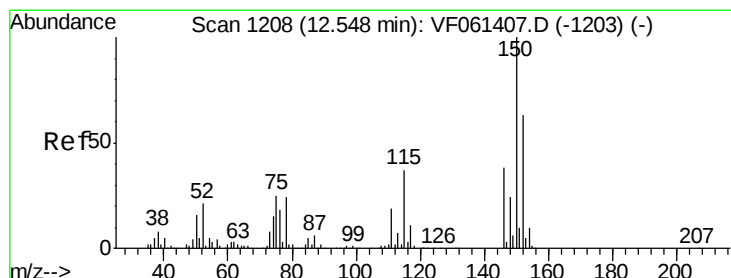
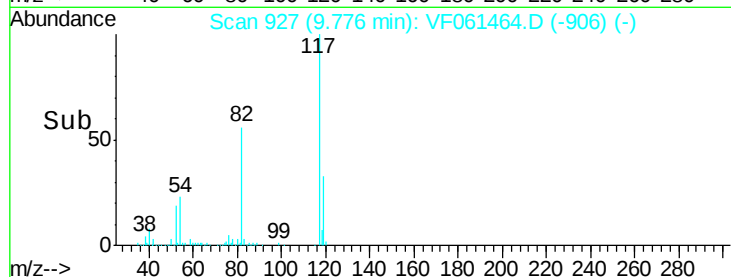
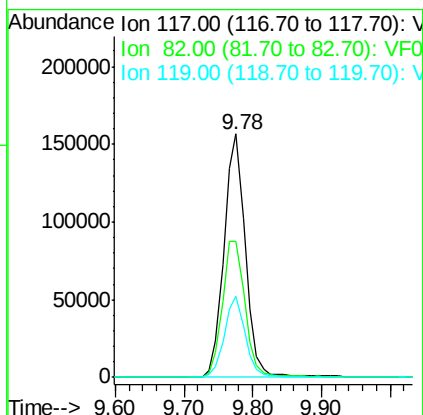
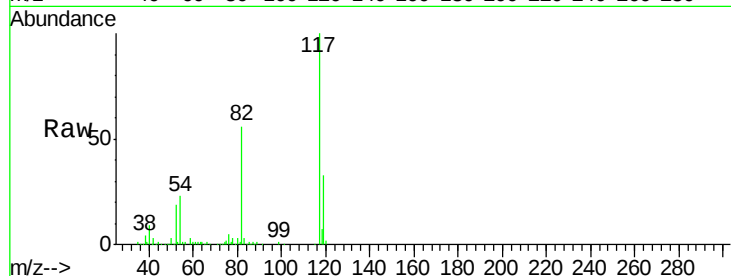




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061464.D
Acq: 18 Jan 2019 17:29

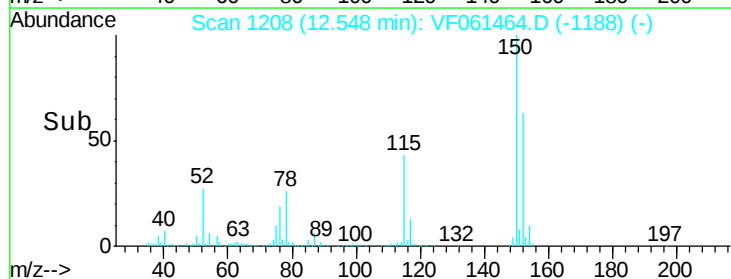
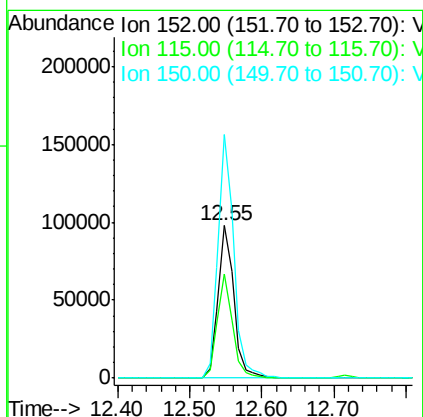
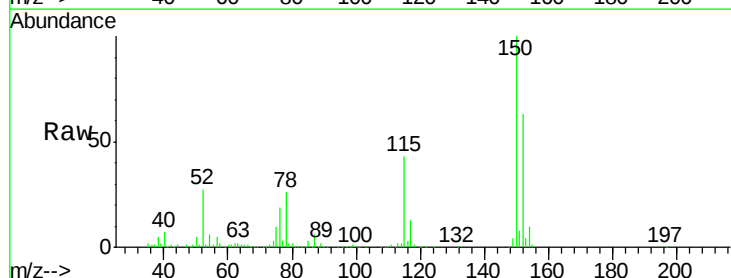
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-B

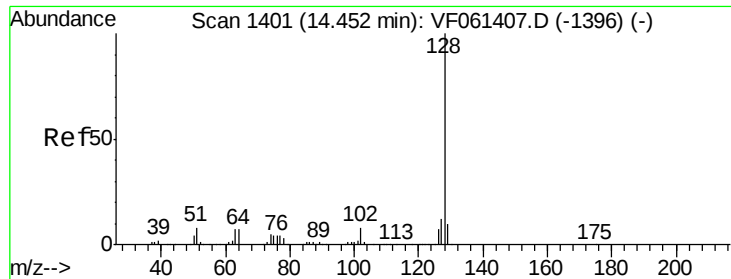
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.4	69.6
119	33.1	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061464.D
Acq: 18 Jan 2019 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.0	30.0	90.0
150	159.4	0.0	321.4

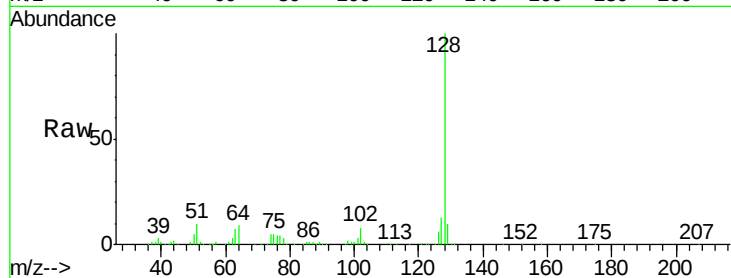




#95
Naphthalene
Concen: 26.584 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061464.D
Acq: 18 Jan 2019 17:29

Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.5	14.3
129	10.5	8.4	12.6



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

