

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061531.D
 Acq On : 25 Jan 2019 20:11
 Operator : VA/AP
 Sample : K1254-03
 Misc : 5.05µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:10:26 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

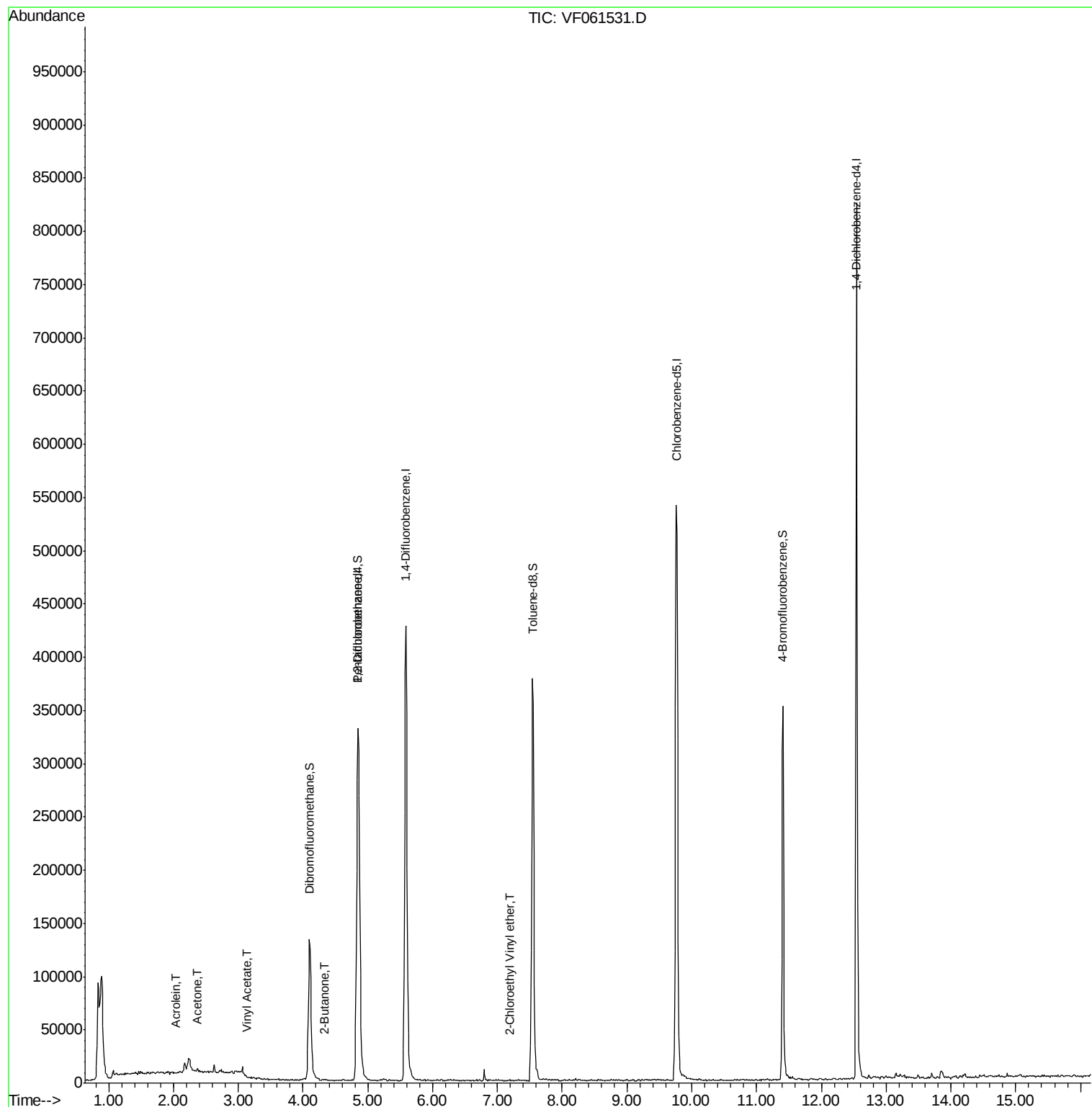
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	267292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	483950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	407599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	195561	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	108735	32.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.90%	
35) Dibromofluoromethane	4.10	113	124033	32.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.96%	
50) Toluene-d8	7.54	98	324463	31.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.02%	
62) 4-Bromofluorobenzene	11.41	95	140286	28.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.40%	
Target Compounds						
					Qvalue	
13) Acrolein	2.04	56	204	11.962	ug/l	89
14) Allyl chloride	2.08	41	836	Below Cal	#	64
16) Acetone	2.37	43	1061	1.603	ug/l	95
20) Methylene Chloride	2.17	84	3106	Below Cal	#	91
23) Vinyl Acetate	3.14	43	789	3.403	ug/l #	78
25) 2-Butanone	4.33	43	1781	1.618	ug/l #	76
49) 1,4-Dioxane	6.42	88	63	Below Cal	#	27
58) 2-Chloroethyl Vinyl ether	7.20	63	67	27.727	ug/l #	47

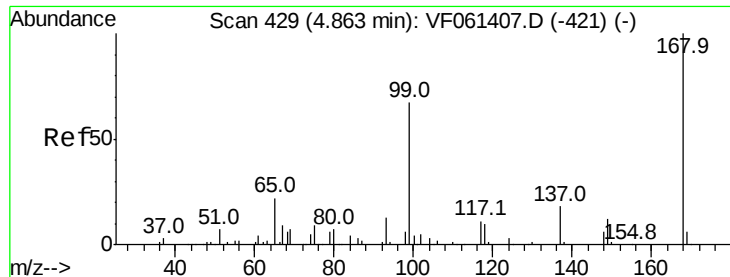
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.01 min

Lab File: VF061531.D

Acq: 25 Jan 2019 20:11

Instrument :

MSVOA_F

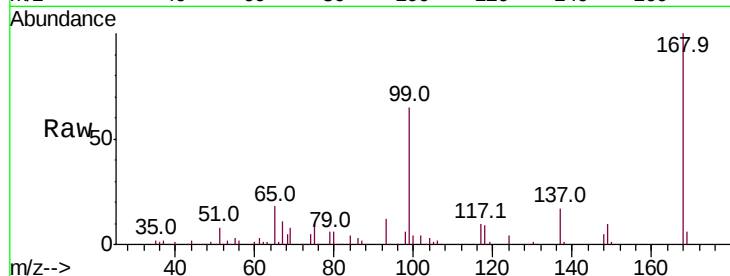
ClientSampleId :

Tot Ion:168 Resp: 267292

Ion Ratio Lower Upper

168 100

99 65.1 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

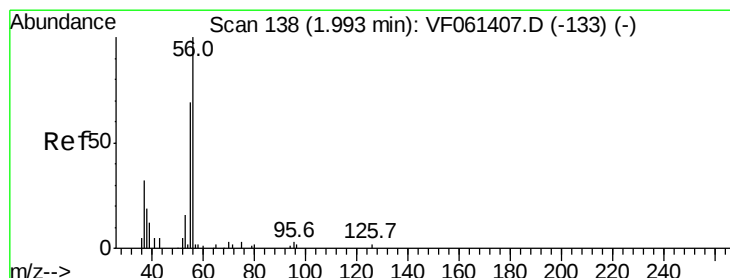
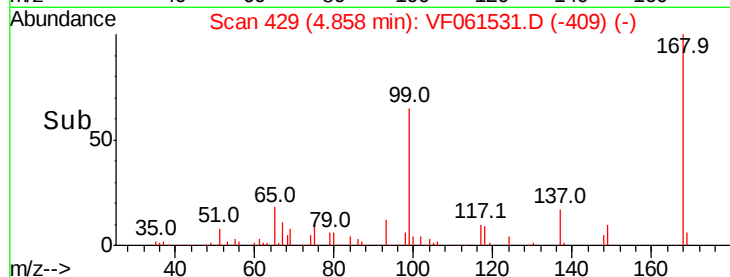
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 11.962 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.04 min

Lab File: VF061531.D

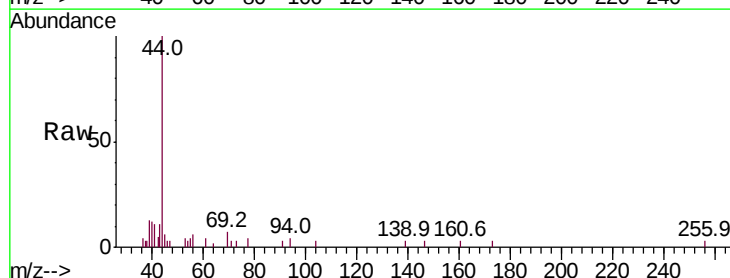
Acq: 25 Jan 2019 20:11

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 62.5 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.04

300

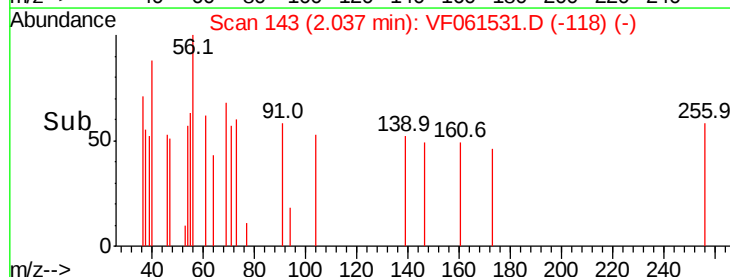
200

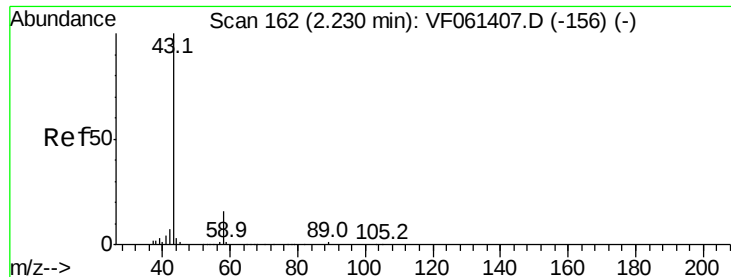
100

0

Time-->

2.02 2.04

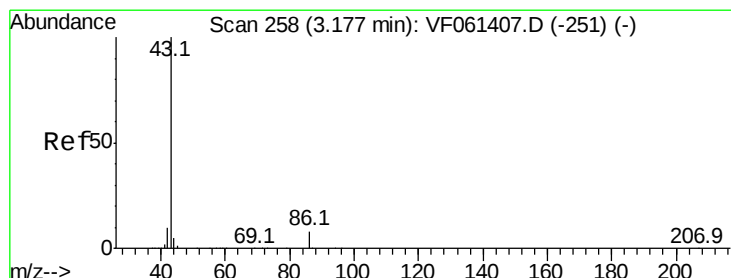
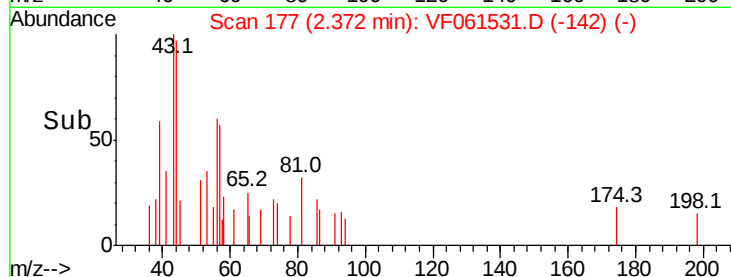
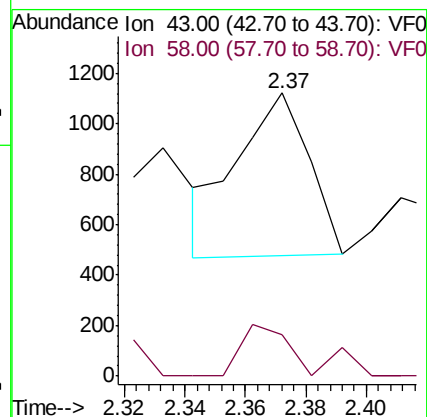
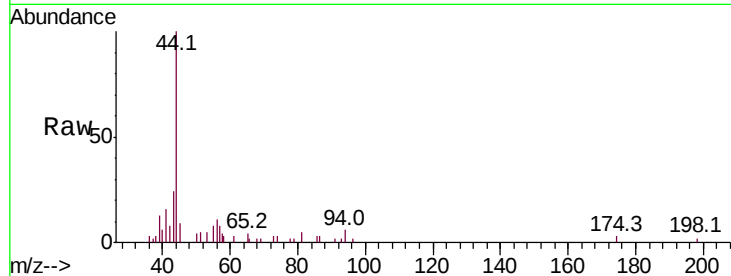




#16
Acetone
Concen: 1.603 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.14 min
Lab File: VF061531.D
Acq: 25 Jan 2019 20:11

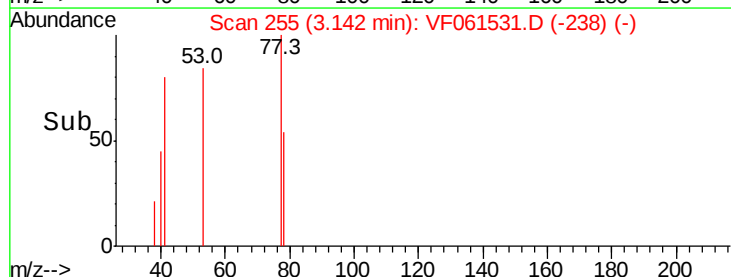
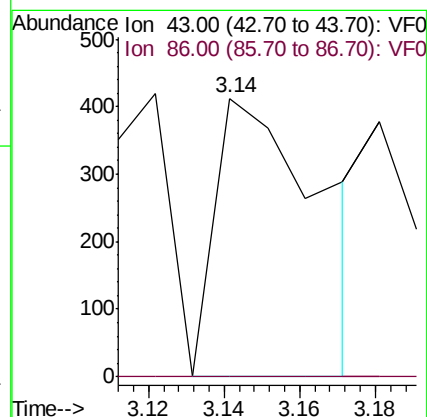
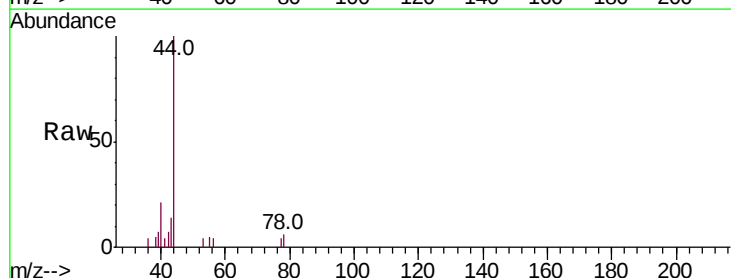
Instrument :
MSVOA_F
ClientSampled :

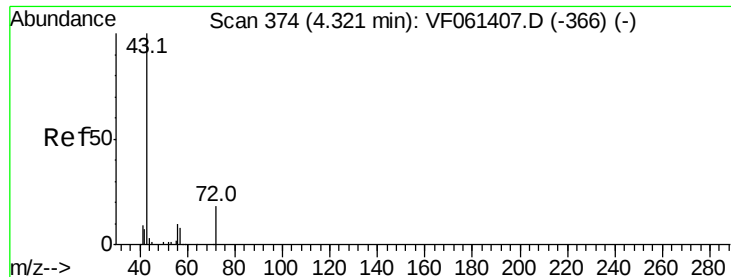
Tot Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
58 14.5 13.3 19.9



#23
Vinyl Acetate
Concen: 3.403 ug/l
RT: 3.14 min Scan# 255
Delta R.T. -0.03 min
Lab File: VF061531.D
Acq: 25 Jan 2019 20:11

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.618 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061531.D

Acq: 25 Jan 2019 20:11

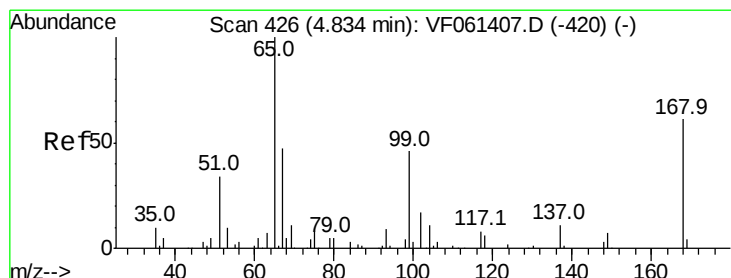
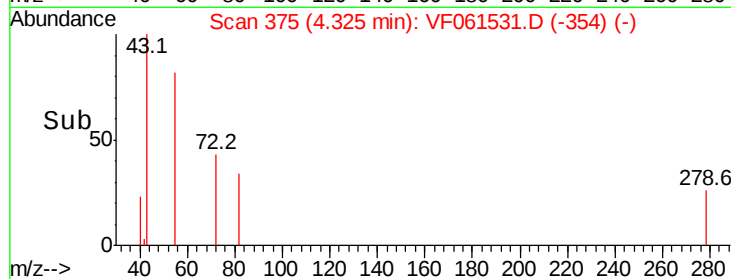
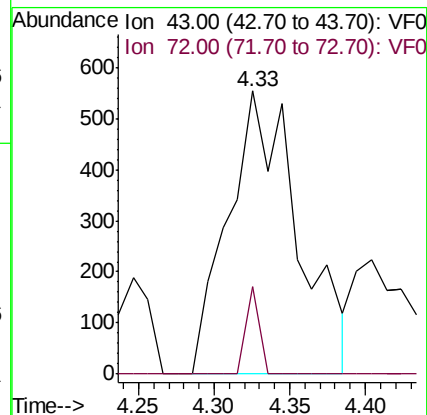
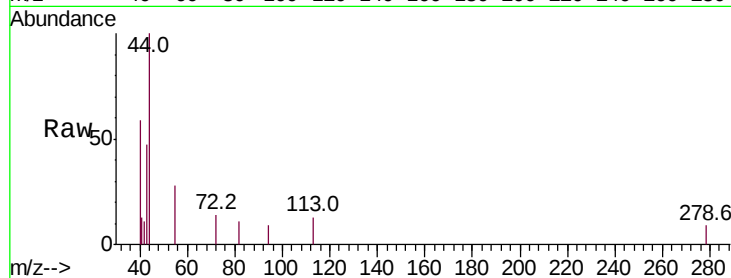
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1781

Ion Ratio Lower Upper

43 100

72 30.7 15.8 23.6#



#33

1,2-Dichloroethane-d4

Concen: 32.949 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061531.D

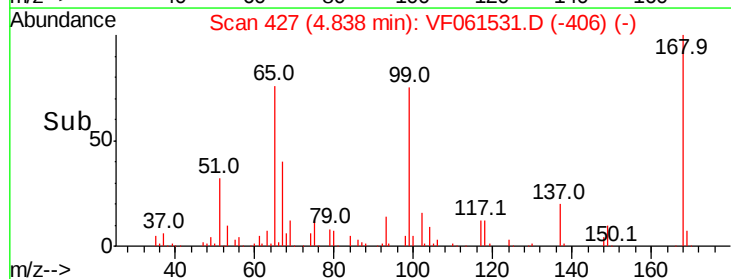
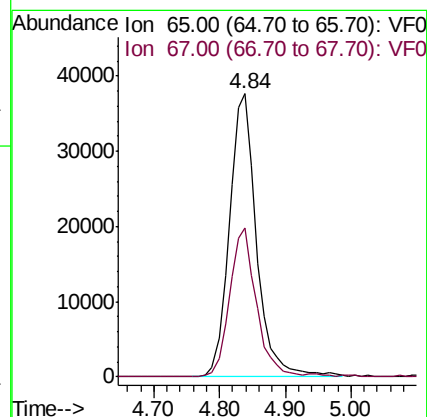
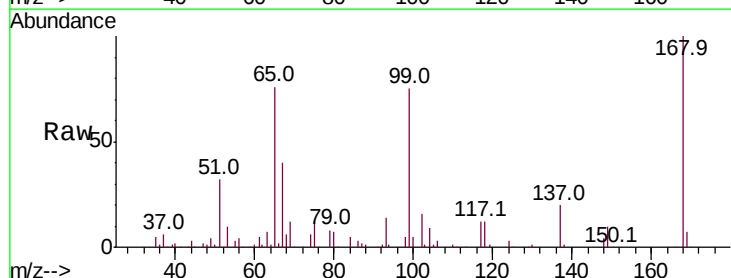
Acq: 25 Jan 2019 20:11

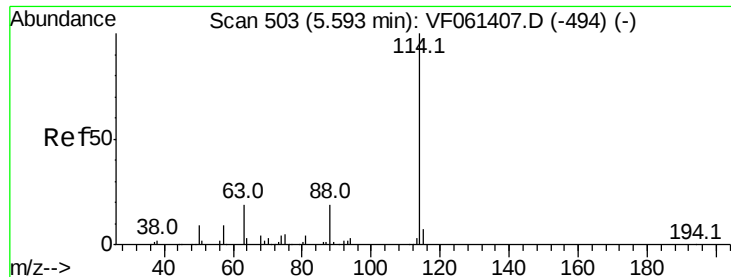
Tgt Ion: 65 Resp: 108735

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.8

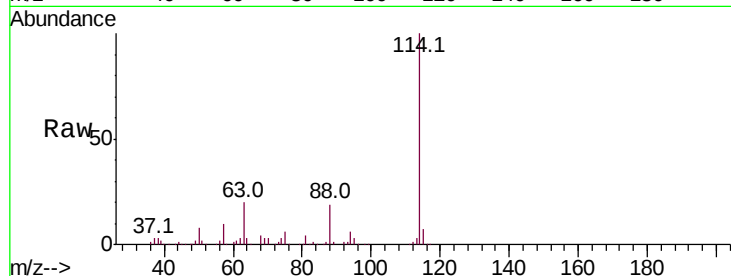




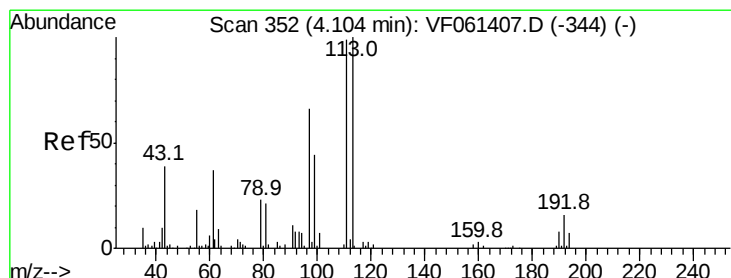
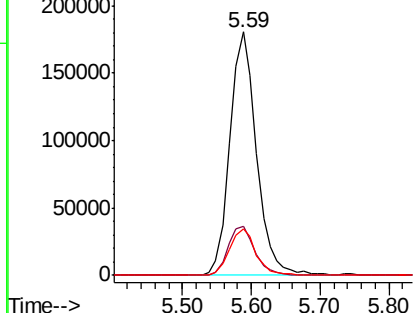
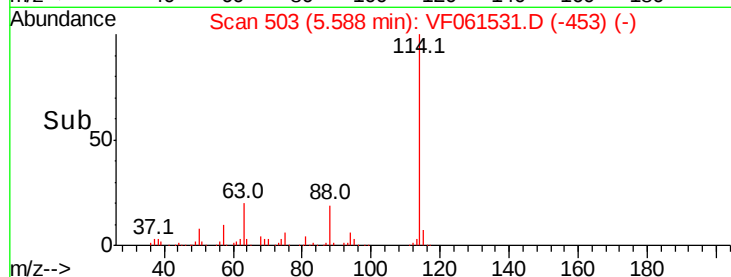
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061531.D
 Acq: 25 Jan 2019 20:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:114	Resp:	483950
Ion Ratio	Lower	Upper
114 100		
63 19.9	0.0	39.0
88 19.0	0.0	37.4

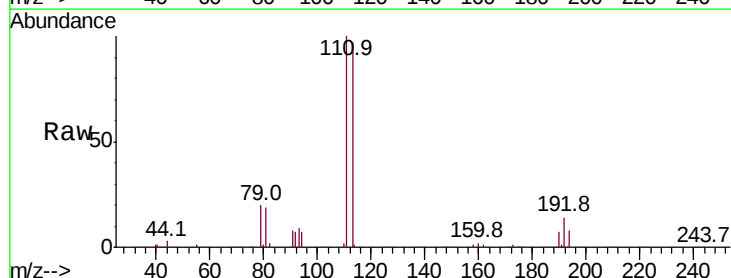


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

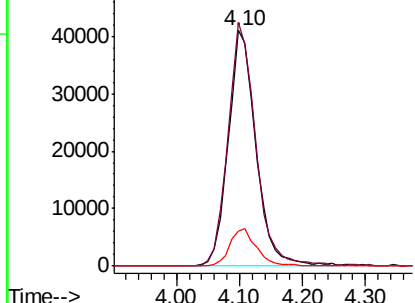
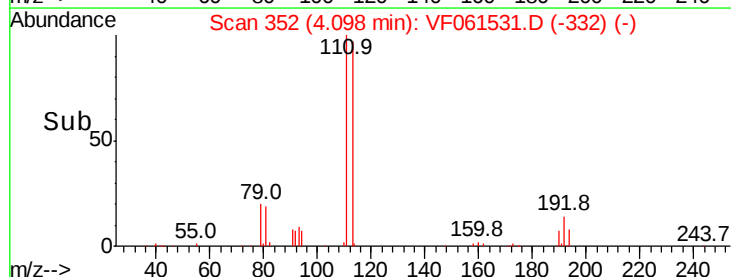


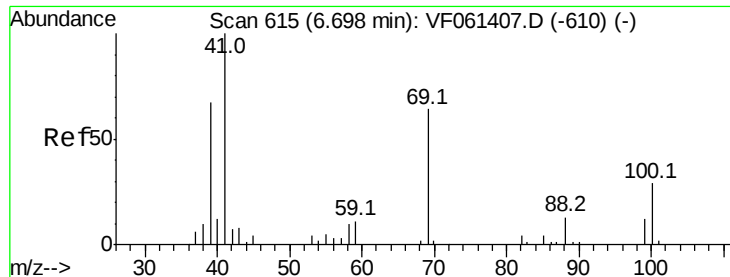
#35
 Dibromofluoromethane
 Concen: 32.480 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061531.D
 Acq: 25 Jan 2019 20:11

Tgt Ion:113	Resp:	124033
Ion Ratio	Lower	Upper
113 100		
111 103.4	79.4	119.0
192 14.7	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: 6.42 min Scan# 587

Delta R.T. -0.28 min

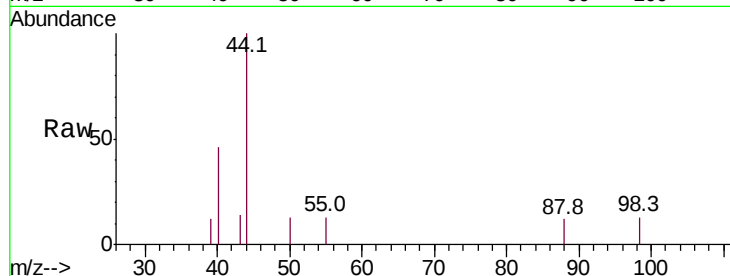
Lab File: VF061531.D

Acq: 25 Jan 2019 20:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 63

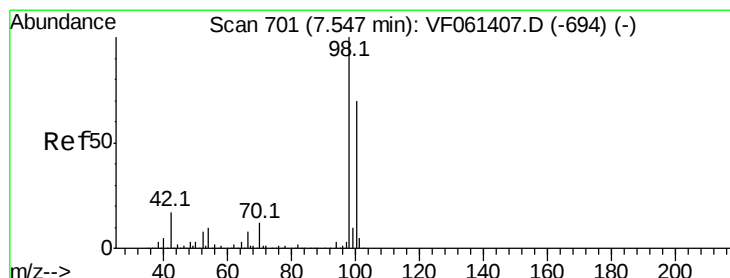
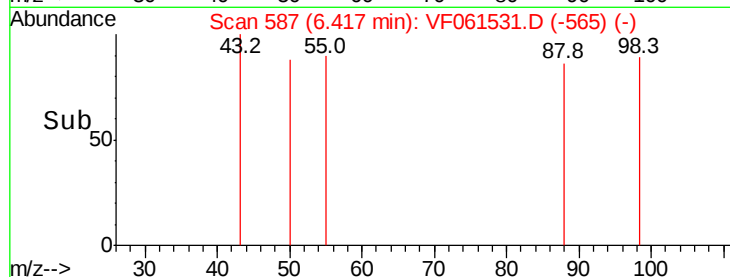
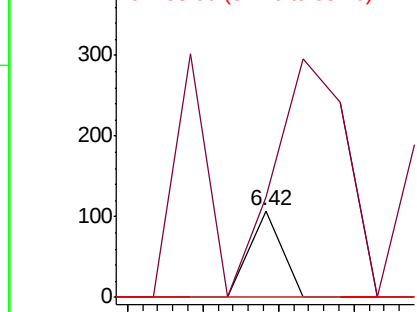
Ion	Ratio	Lower	Upper
88	100		
43	115.9	55.5	83.3#
58	0.0	59.9	89.9#



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: 31.011 ug/l

RT: 7.54 min Scan# 701

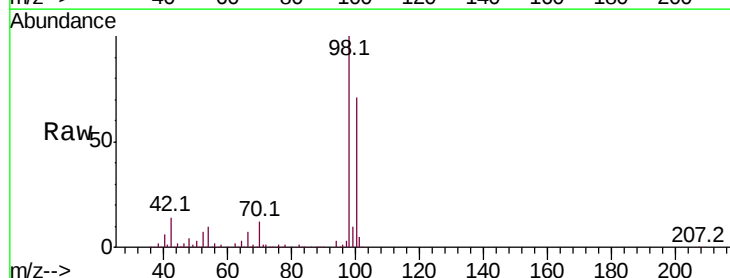
Delta R.T. -0.01 min

Lab File: VF061531.D

Acq: 25 Jan 2019 20:11

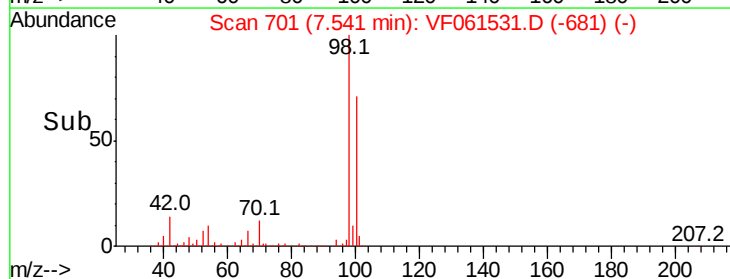
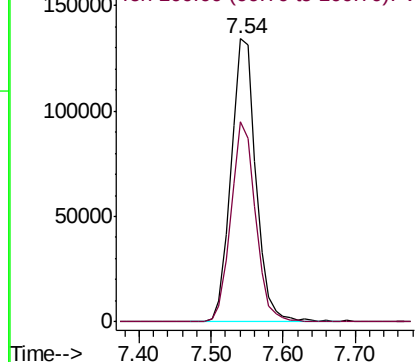
Tgt Ion: 98 Resp: 324463

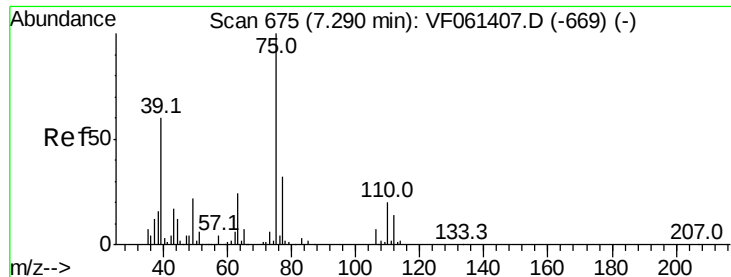
Ion	Ratio	Lower	Upper
98	100		
100	70.7	55.6	83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 27.727 ug/l

RT: 7.20 min Scan# 666

Delta R.T. -0.09 min

Lab File: VF061531.D

Acq: 25 Jan 2019 20:11

Instrument :

MSVOA_F

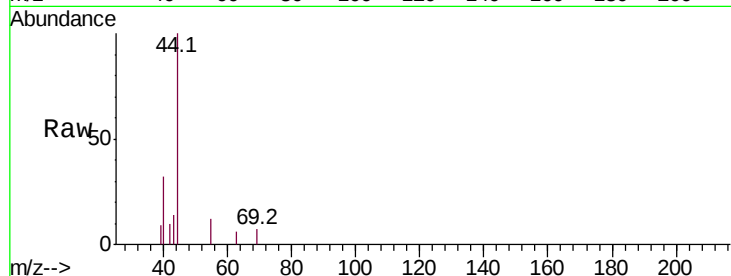
ClientSampled :

Tot Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

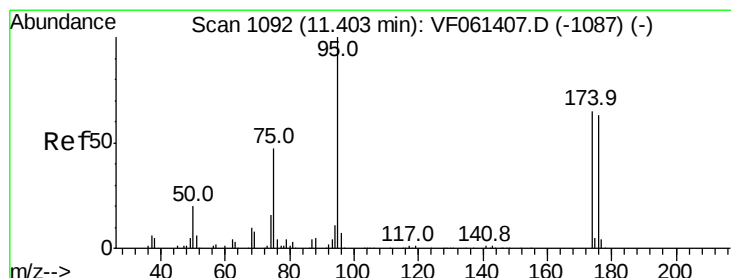
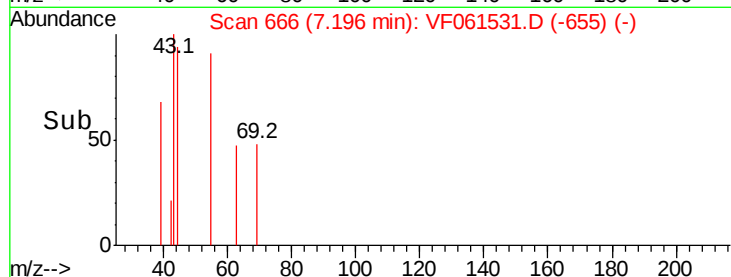
7.20

100

50

0

Time--> 7.16 7.18 7.20 7.22



#62

4-Bromofluorobenzene

Concen: 28.697 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061531.D

Acq: 25 Jan 2019 20:11

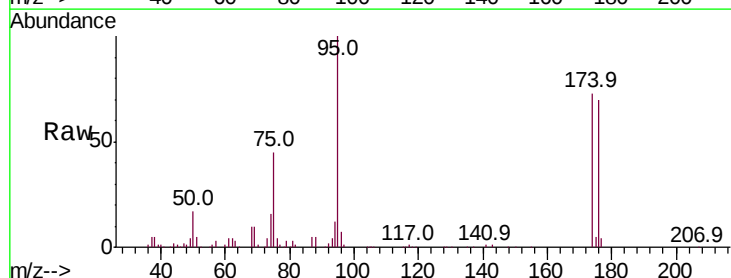
Tgt Ion: 95 Resp: 140286

Ion Ratio Lower Upper

95 100

174 72.8 0.0 130.4

176 69.7 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

100000

80000

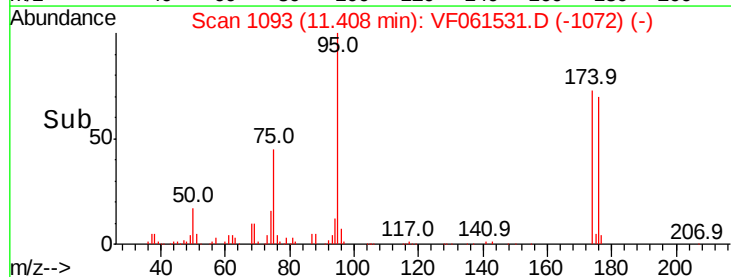
60000

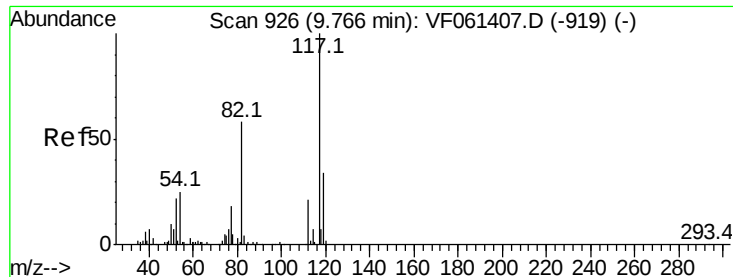
40000

20000

0

Time--> 11.30 11.40 11.50 11.60

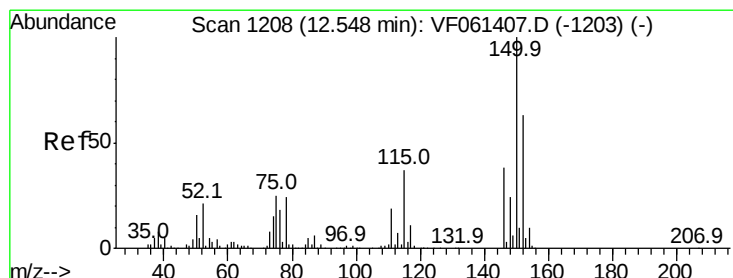
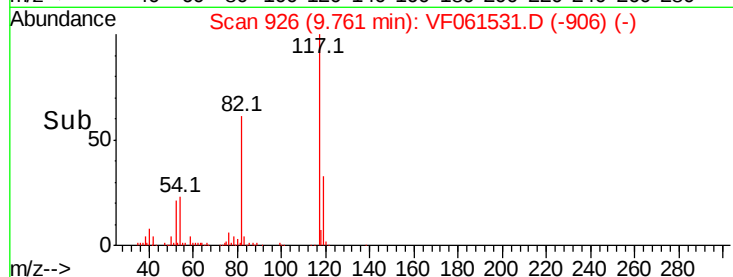
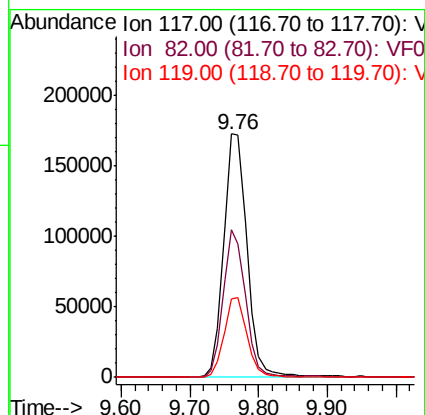
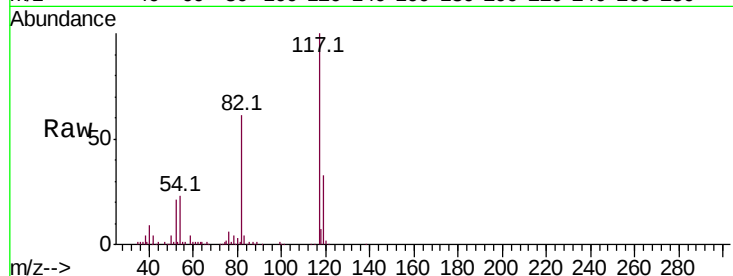




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061531.D
Acq: 25 Jan 2019 20:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	46.4	69.6
119	32.5	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061531.D
Acq: 25 Jan 2019 20:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.0	90.0
150	151.7	0.0	321.4

