

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061636.D
 Acq On : 14 Feb 2019 13:10
 Operator : VA/AP
 Sample : K1345-01RE
 Misc : 6.78g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-021119RE

Quant Time: Feb 15 00:46:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	365013	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	547152	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	457978	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	225803	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	118364	44.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.44%	
35) Dibromofluoromethane	4.10	113	178649	43.97	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.94%	
50) Toluene-d8	7.55	98	443799	37.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.98%	
62) 4-Bromofluorobenzene	11.41	95	175804	37.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.40%	

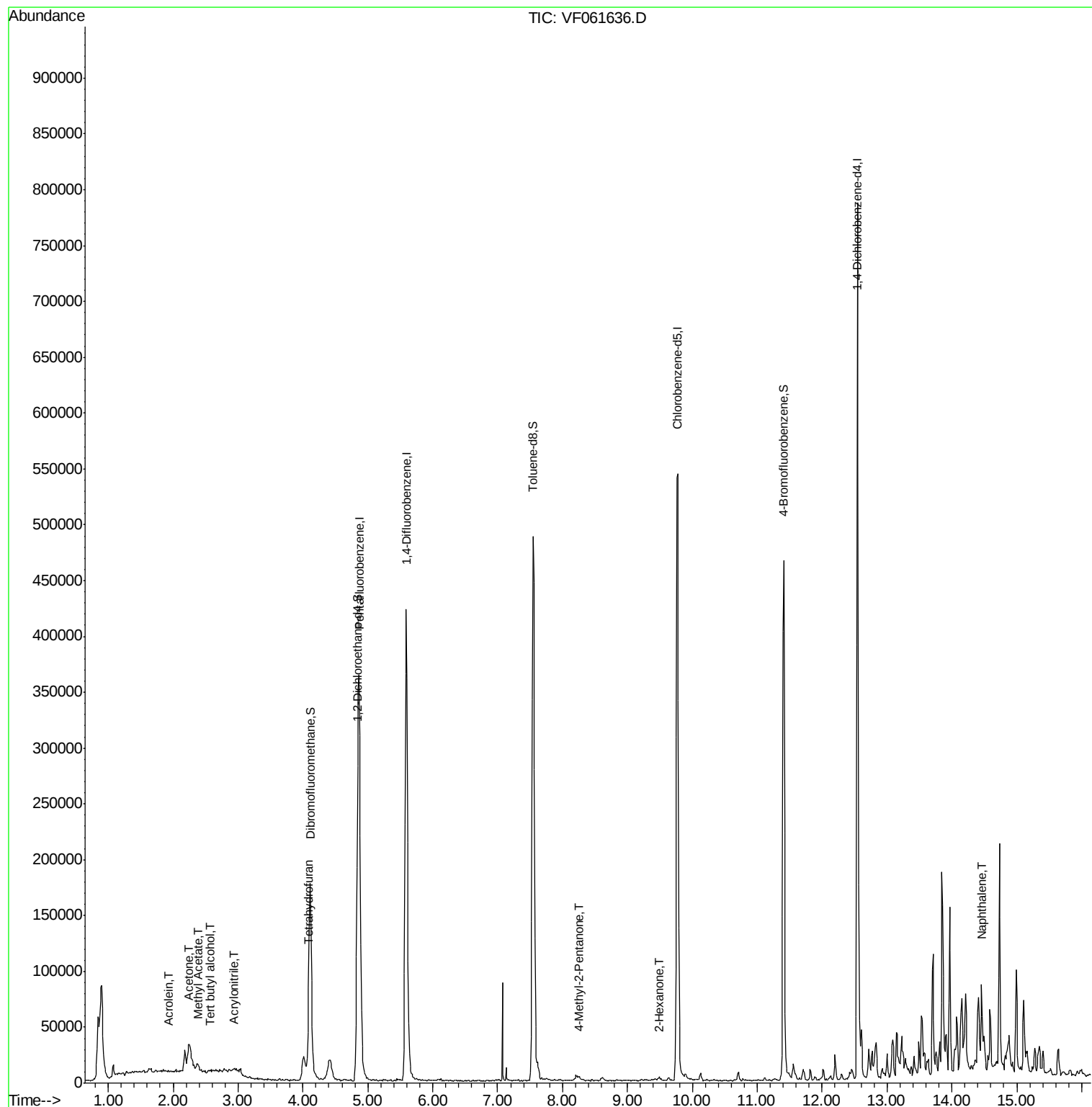
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	309	1.995	ug/l #	1
13) Acrolein	1.91	56	533	2.738	ug/l	87
15) Acrylonitrile	2.93	53	970	1.765	ug/l #	1
16) Acetone	2.23	43	19111	33.277	ug/l	97
18) Methyl Acetate	2.39	43	4403	3.403	ug/l #	59
29) Tetrahydrofuran	4.07	42	2348	4.118	ug/l #	77
51) 4-Methyl-2-Pentanone	8.27	43	4095	1.923	ug/l	91
59) 2-Hexanone	9.50	43	3369	2.257	ug/l	72
95) Naphthalene	14.45	128	19355	2.096	ug/l #	89

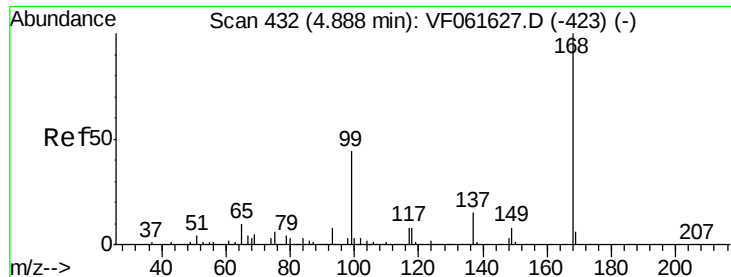
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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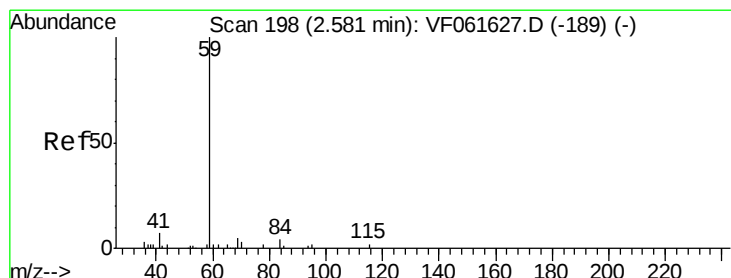
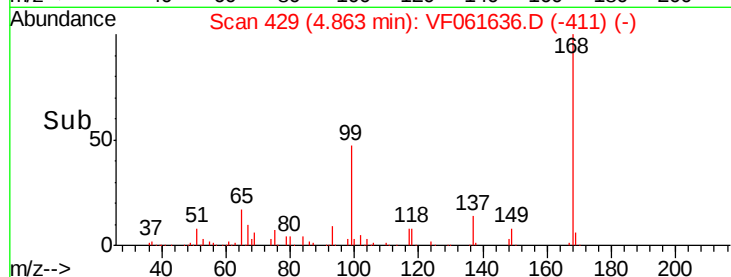
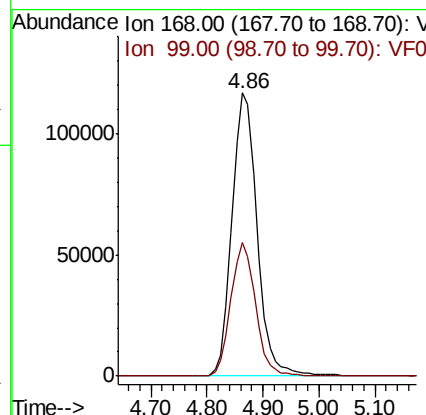
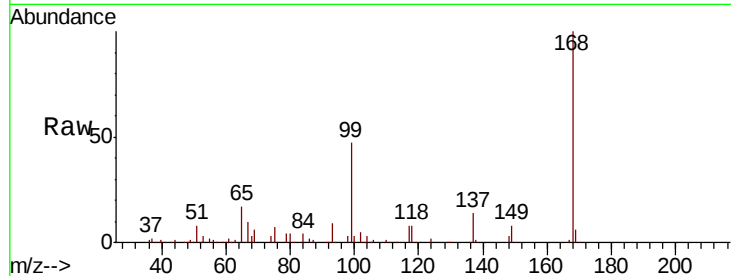




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.02 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

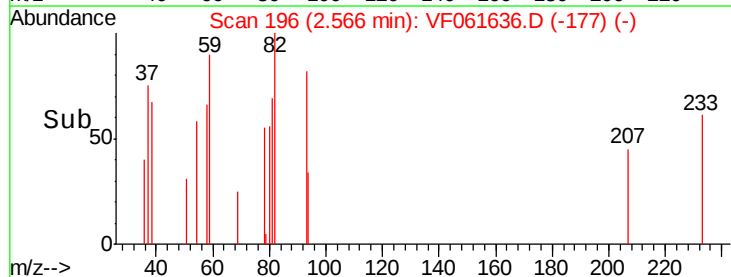
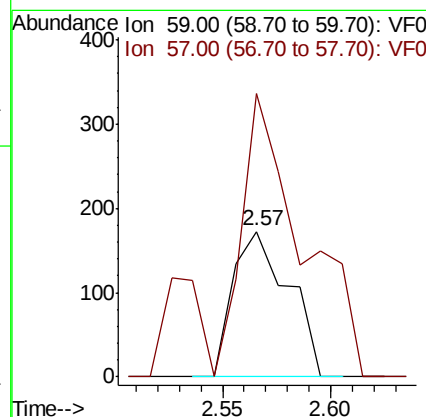
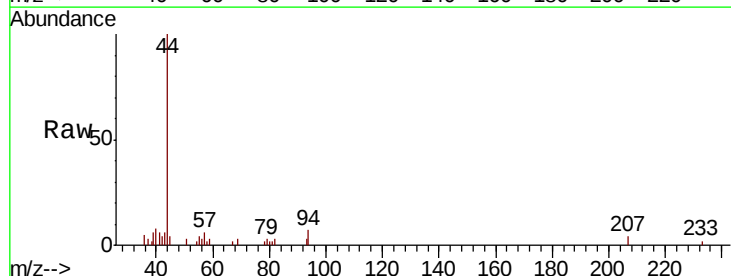
Instrument :
MSVOA_F
ClientSampleId :
HD-02-021119RE

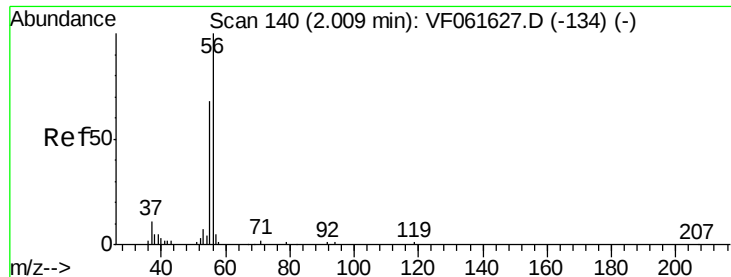
Tgt Ion:168 Resp: 365013
Ion Ratio Lower Upper
168 100
99 47.0 34.9 52.3



#11
Tert butyl alcohol
Concen: 1.995 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 194.2 12.5 18.7#





#13

Acrolein

Concen: 2.738 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.09 min

Lab File: VF061636.D

Acq: 14 Feb 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

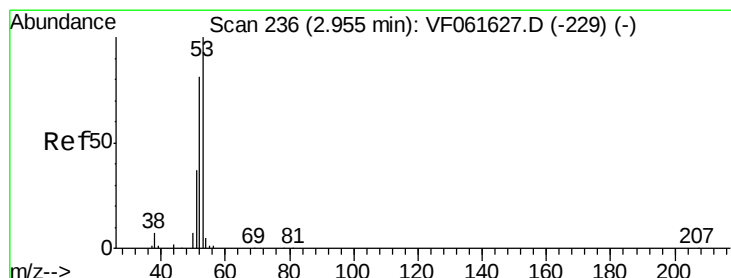
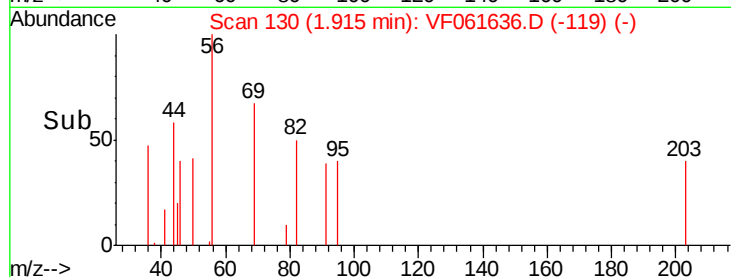
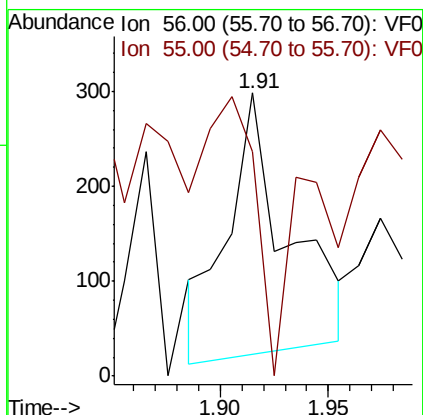
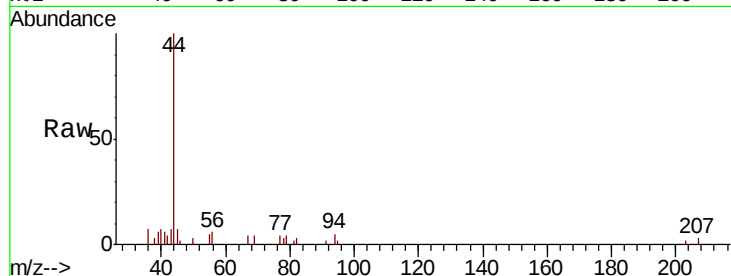
HD-02-021119RE

Tgt Ion: 56 Resp: 533

Ion Ratio Lower Upper

56 100

55 79.2 55.0 82.6



#15

Acrylonitrile

Concen: 1.765 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061636.D

Acq: 14 Feb 2019 13:10

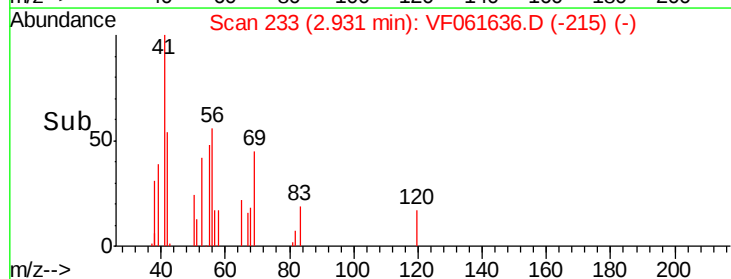
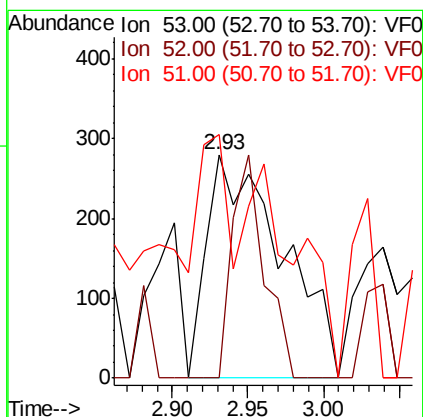
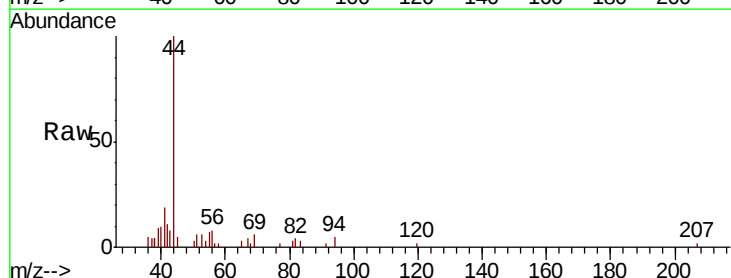
Tgt Ion: 53 Resp: 970

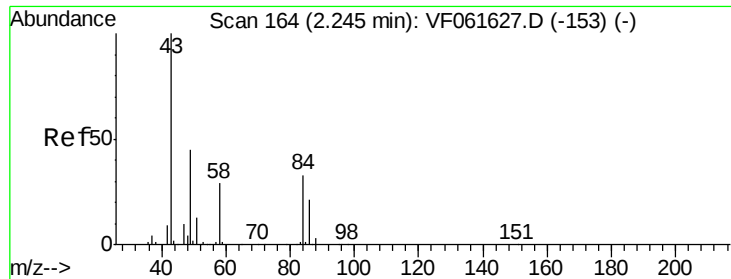
Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 108.9 29.8 44.8#





#16

Acetone

Concen: 33.277 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061636.D

Acq: 14 Feb 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

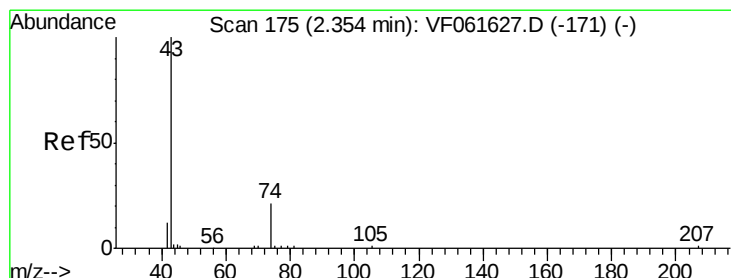
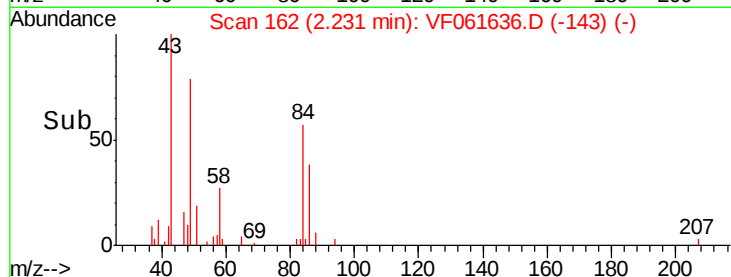
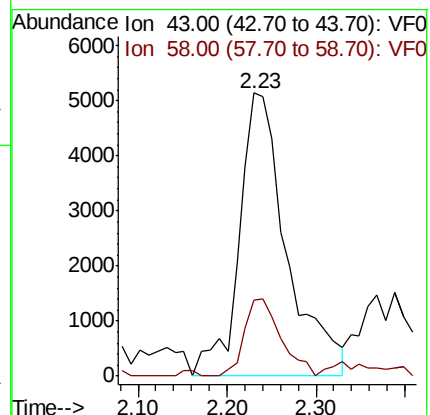
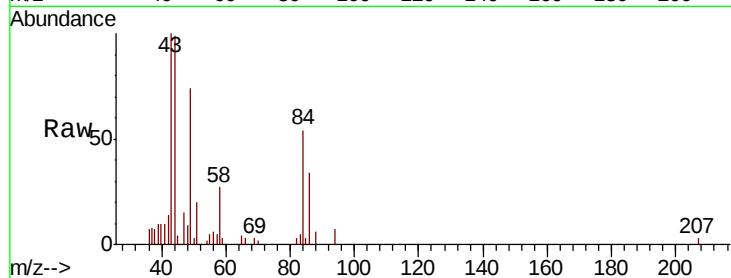
HD-02-021119RE

Tgt Ion: 43 Resp: 19111

Ion Ratio Lower Upper

43 100

58 26.8 22.9 34.3



#18

Methyl Acetate

Concen: 3.403 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.03 min

Lab File: VF061636.D

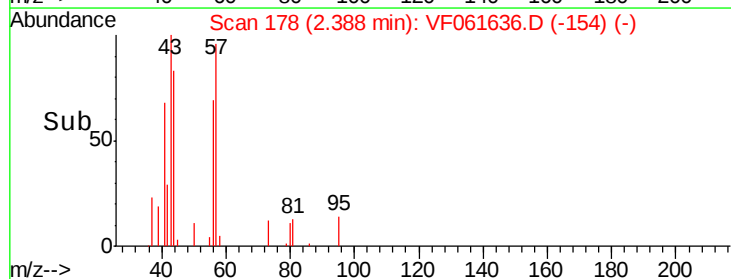
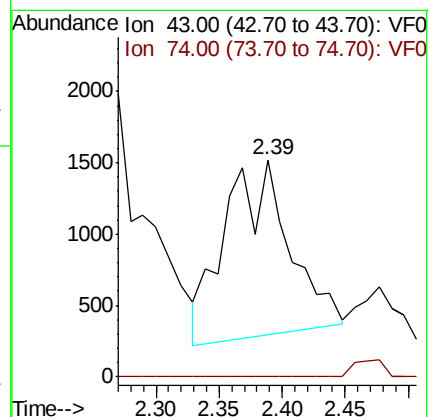
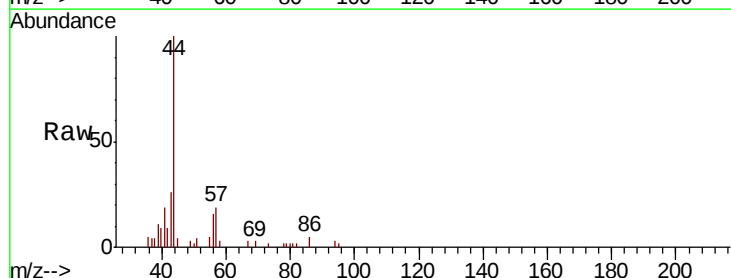
Acq: 14 Feb 2019 13:10

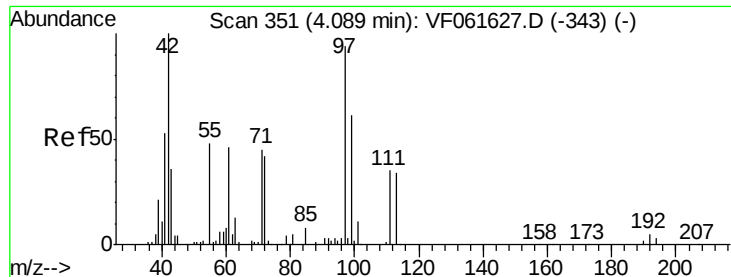
Tgt Ion: 43 Resp: 4403

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

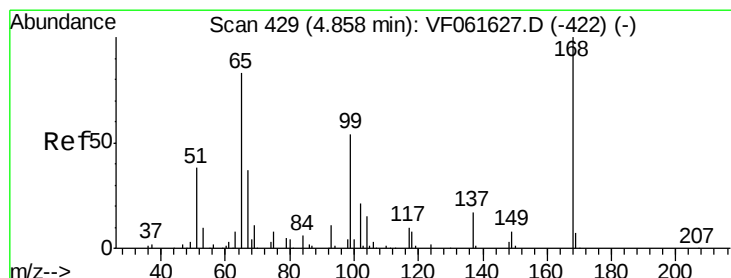
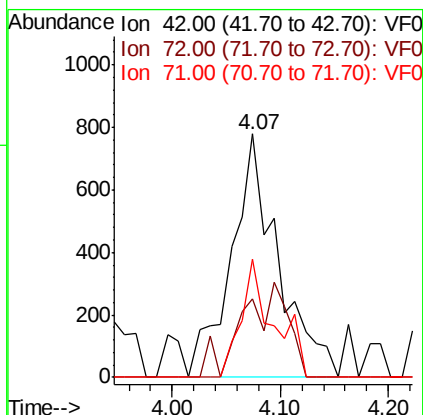
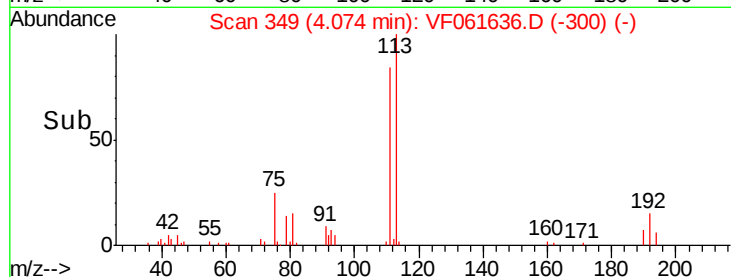
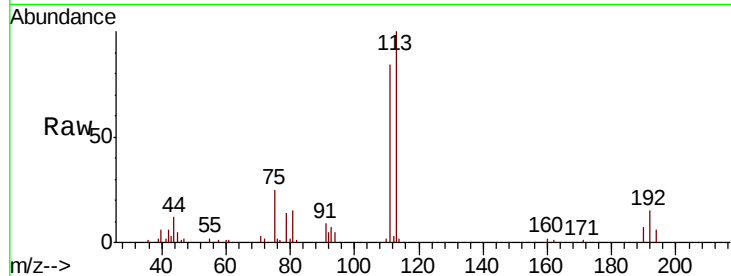




#29
Tetrahydrofuran
Concen: 4.118 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

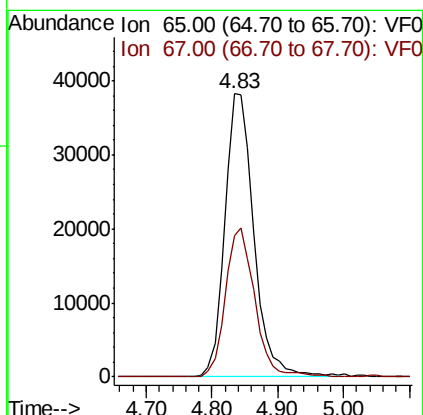
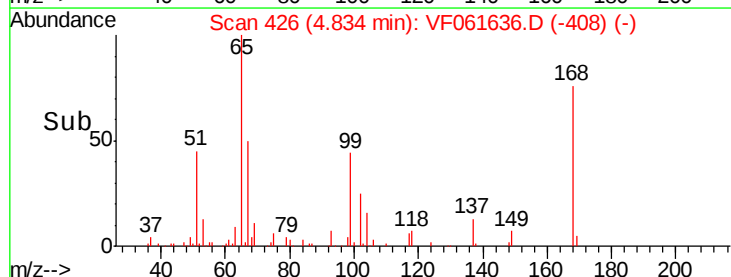
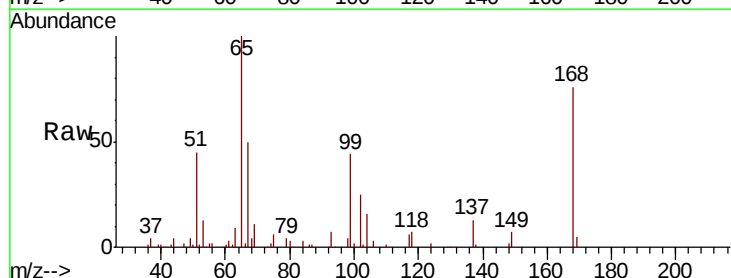
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HD-02-021119RE

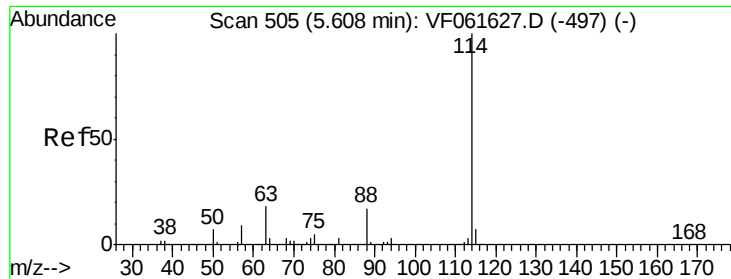
Tgt Ion: 42 Resp: 2348
Ion Ratio Lower Upper
42 100
72 21.6 35.2 52.8#
71 33.9 32.9 49.3



#33
1,2-Dichloroethane-d4
Concen: 44.220 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion: 65 Resp: 118364
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.0

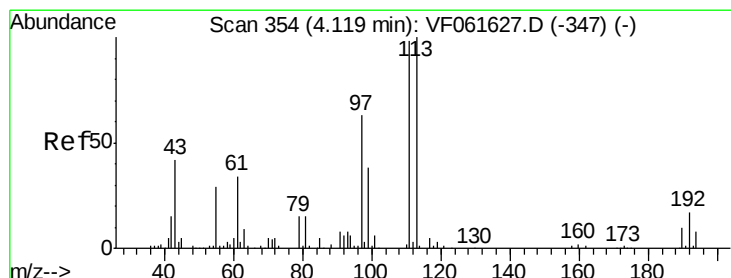
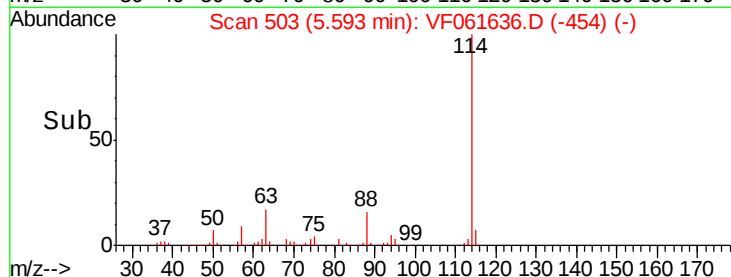
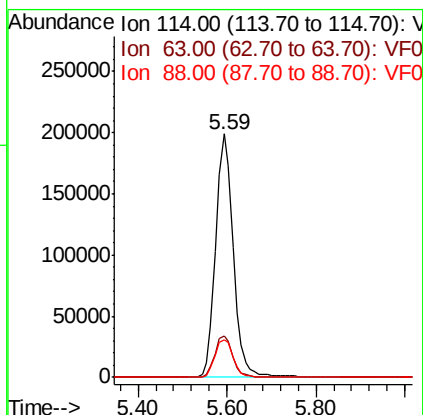
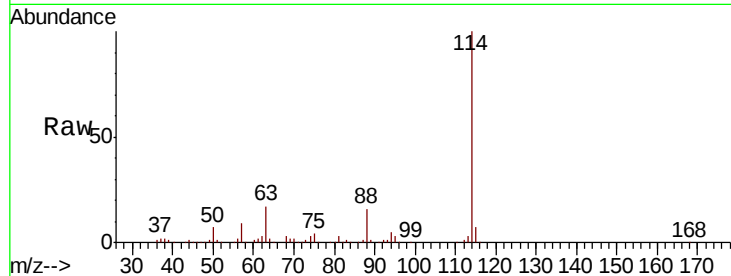




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061636.D
 Acq: 14 Feb 2019 13:10

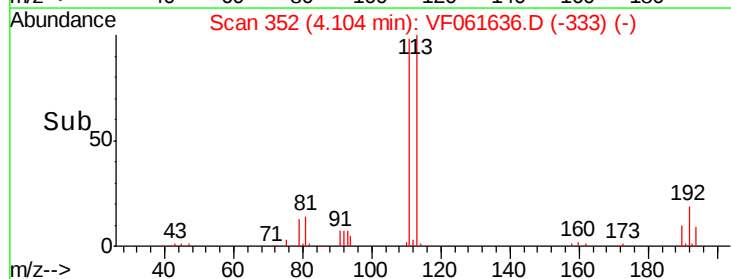
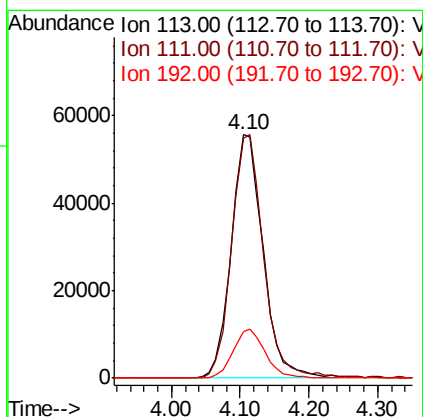
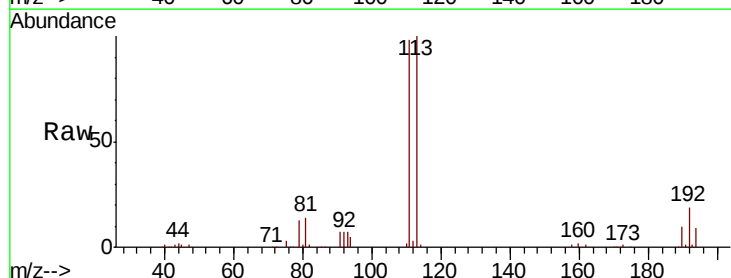
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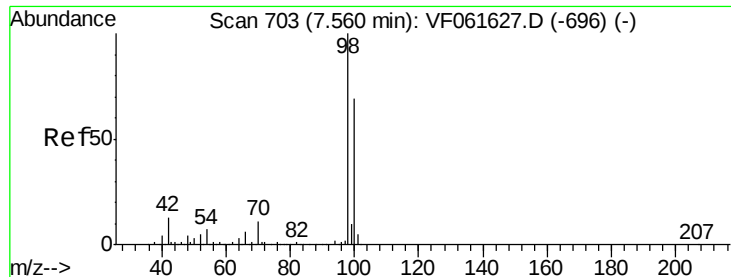
Tgt Ion:114 Resp: 547152
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.6
 88 15.7 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 43.968 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061636.D
 Acq: 14 Feb 2019 13:10

Tgt Ion:113 Resp: 178649
 Ion Ratio Lower Upper
 113 100
 111 98.5 78.8 118.2
 192 19.1 13.4 20.0

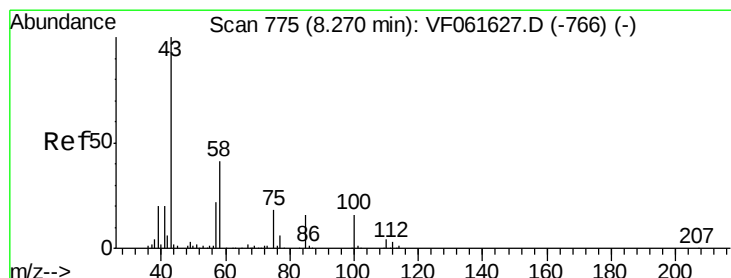
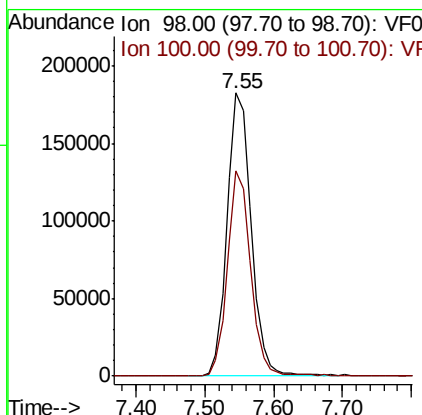
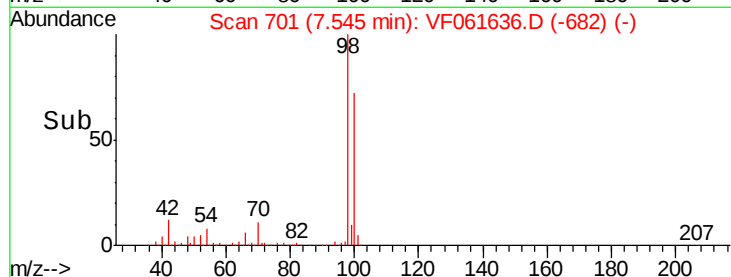
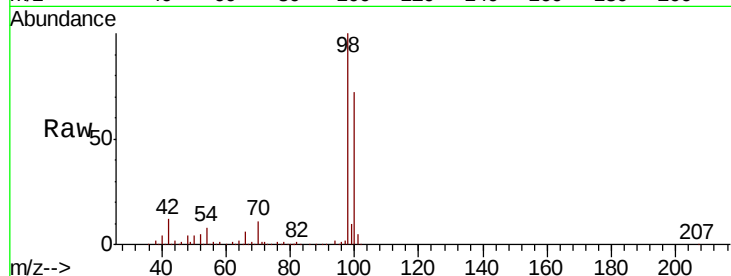




#50
Toluene-d8
Concen: 37.995 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

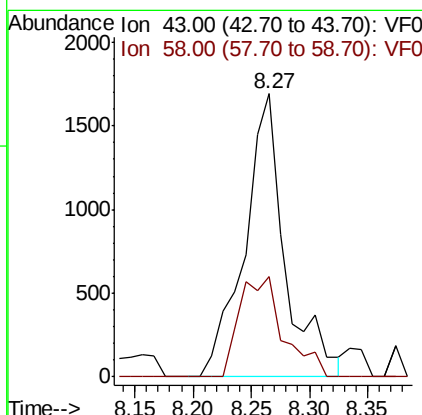
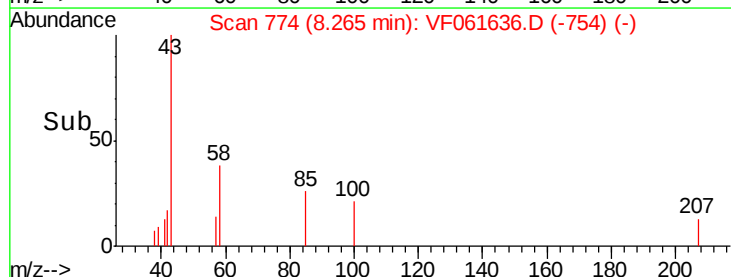
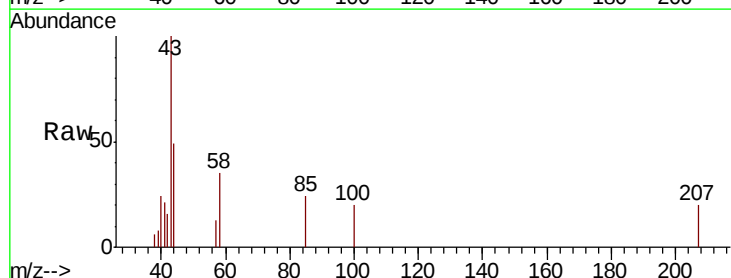
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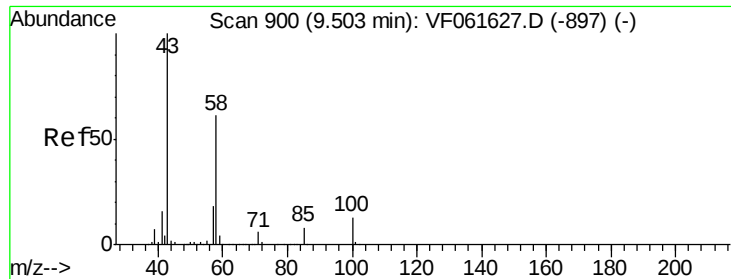
Tgt Ion: 98 Resp: 443799
Ion Ratio Lower Upper
98 100
100 72.5 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.923 ug/l
RT: 8.27 min Scan# 774
Delta R.T. -0.00 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion: 43 Resp: 4095
Ion Ratio Lower Upper
43 100
58 35.5 33.1 49.7

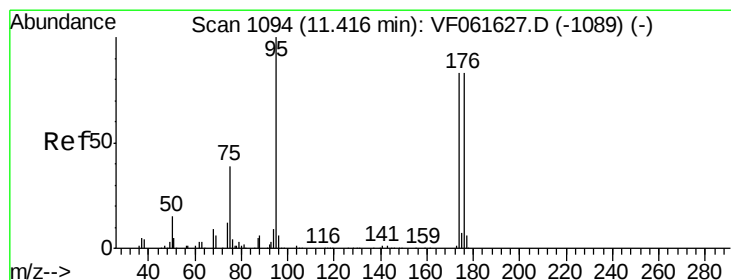
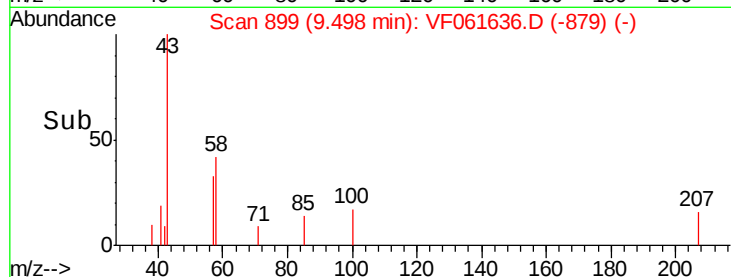
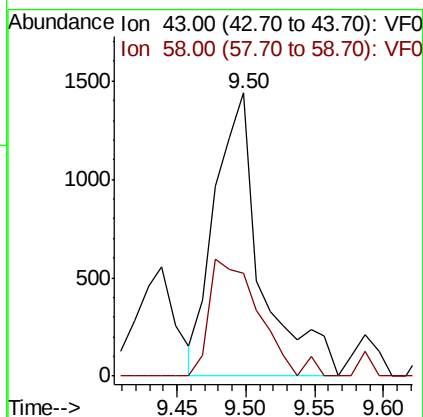
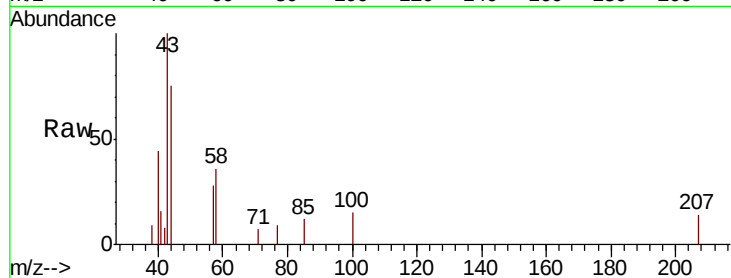




#59
2-Hexanone
Concen: 2.257 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

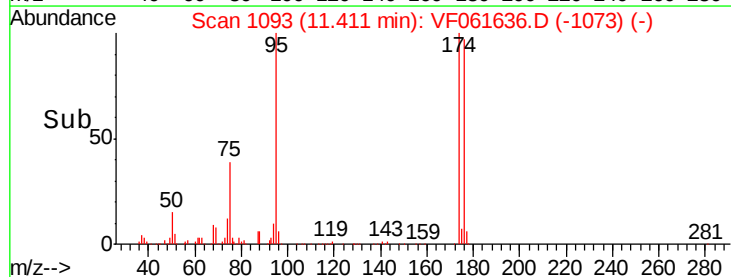
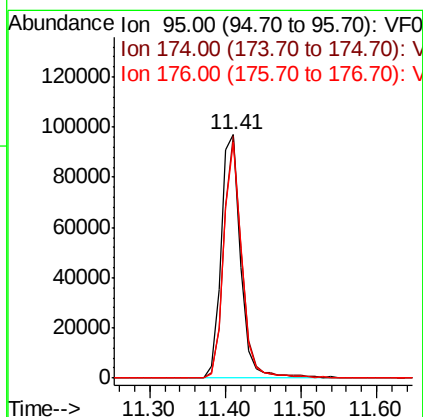
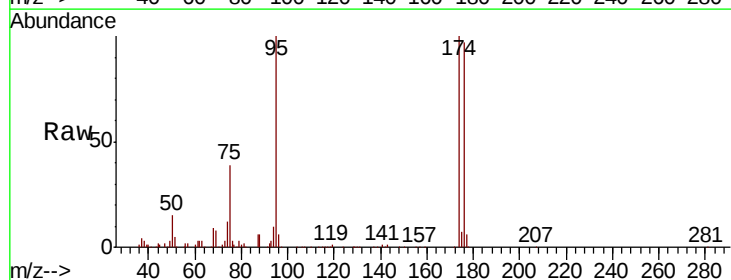
Instrument :
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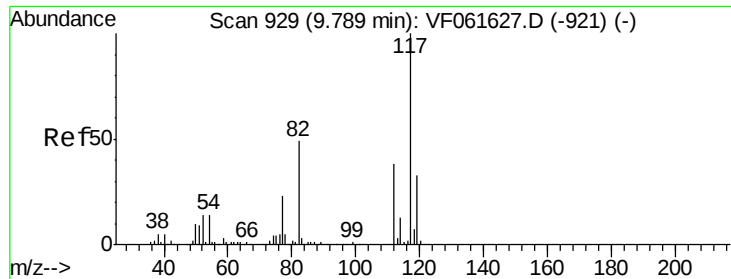
Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
58 36.2 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 37.198 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion: 95 Resp: 175804
Ion Ratio Lower Upper
95 100
174 99.8 0.0 165.8
176 97.0 0.0 167.0

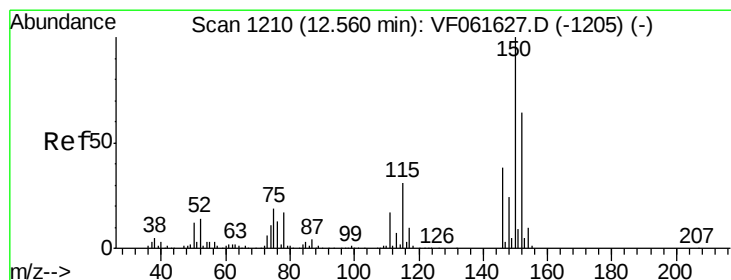
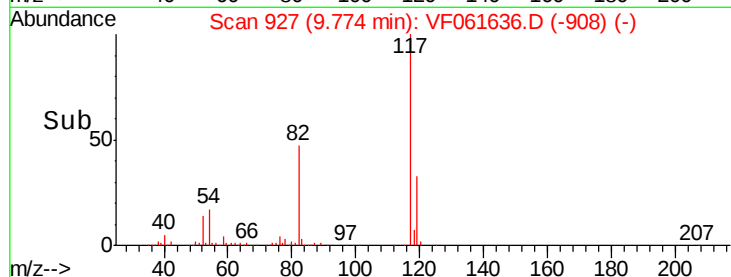
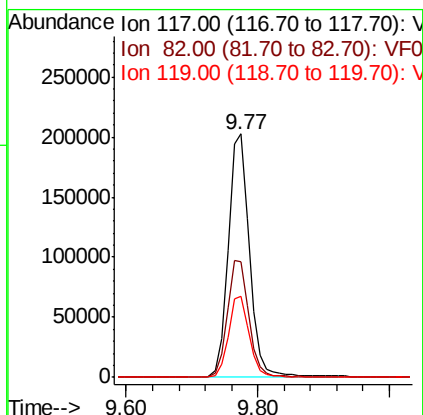
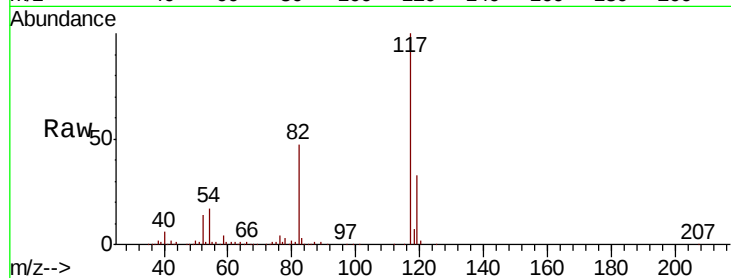




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

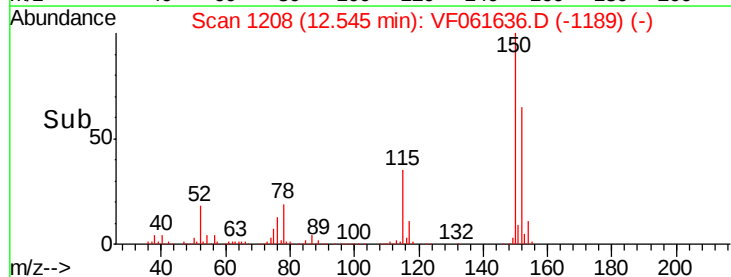
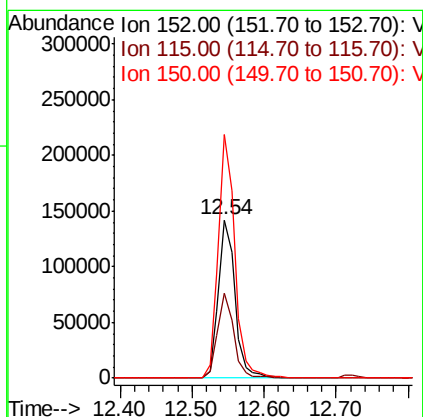
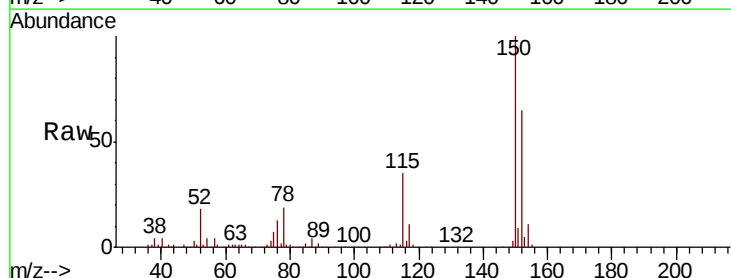
Instrument :
MSVOA_F
ClientSampleId :
HD-02-021119RE

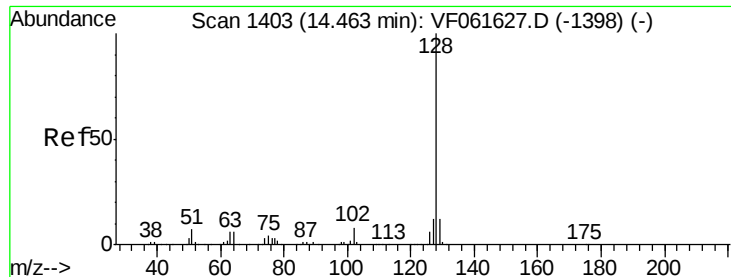
Tgt Ion:117 Resp: 457978
Ion Ratio Lower Upper
117 100
82 47.3 39.3 58.9
119 33.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Tgt Ion:152 Resp: 225803
Ion Ratio Lower Upper
152 100
115 54.0 24.3 72.8
150 154.3 0.0 312.0





#95
Naphthalene
Concen: 2.096 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061636.D
Acq: 14 Feb 2019 13:10

Instrument :
MSVOA_F
ClientSampleId :
HD-02-021119RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	9.8	14.6
129	18.2	9.4	14.2#

