

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061641.D
 Acq On : 14 Feb 2019 15:34
 Operator : VA/AP
 Sample : K1350-09
 Misc : 6.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-021319-C

Quant Time: Feb 15 00:47:40 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

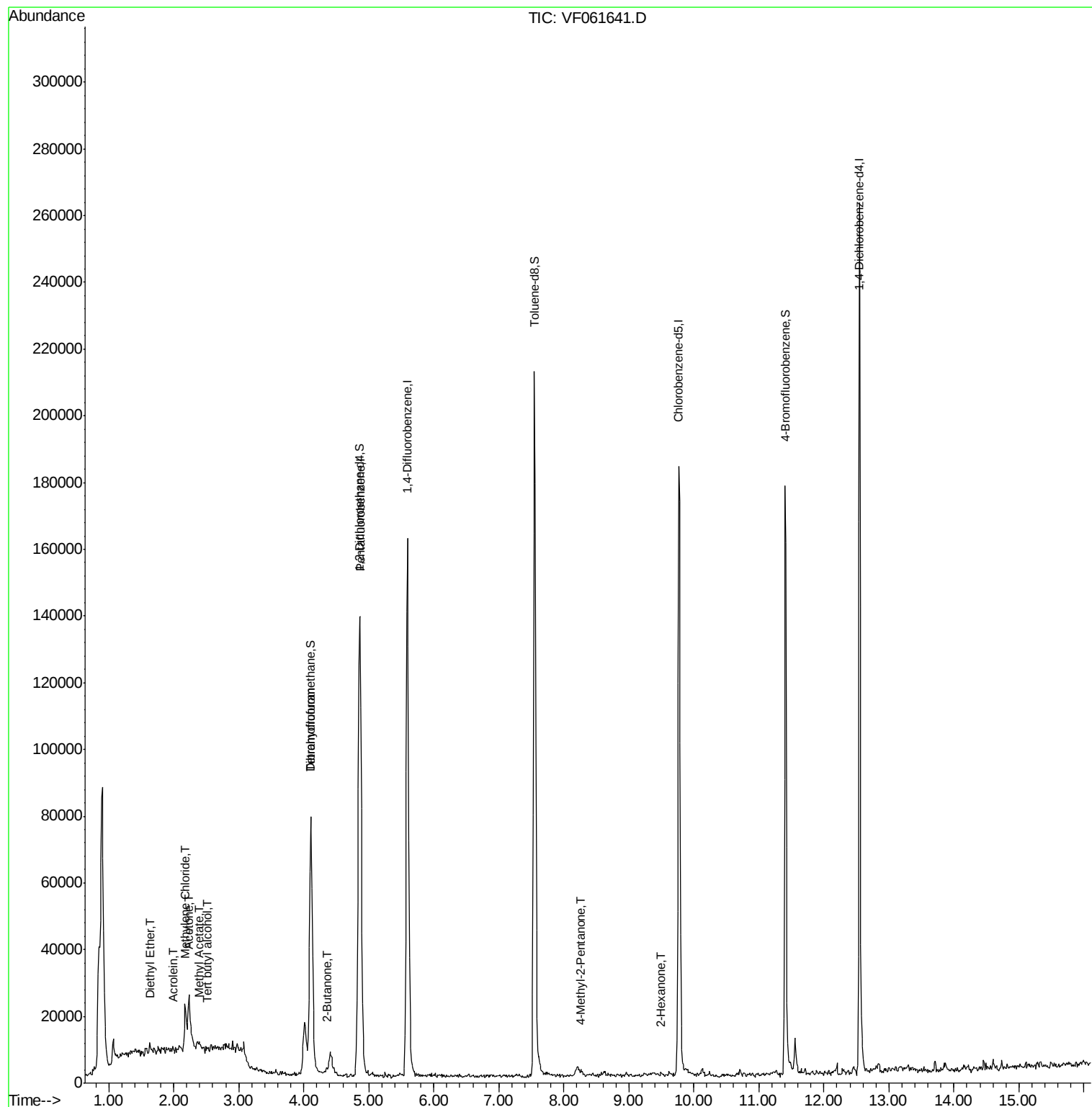
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	139078	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	202062	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	156074	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	72980	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	50045	49.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.14%	
35) Dibromofluoromethane	4.11	113	76037	50.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.34%	
50) Toluene-d8	7.55	98	190558	44.18	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.36%	
62) 4-Bromofluorobenzene	11.40	95	72316	41.43	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.86%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	894	1.888	ug/l	94
11) Tert butyl alcohol	2.51	59	67	1.135	ug/l #	63
13) Acrolein	2.00	56	612	8.250	ug/l #	1
16) Acetone	2.23	43	15063	68.837	ug/l	91
18) Methyl Acetate	2.39	43	844	1.712	ug/l #	59
20) Methylene Chloride	2.17	84	7397	3.989	ug/l #	87
25) 2-Butanone	4.34	43	4985	10.429	ug/l #	73
29) Tetrahydrofuran	4.10	42	1083	4.985	ug/l #	38
51) 4-Methyl-2-Pentanone	8.26	43	1943	2.471	ug/l #	74
59) 2-Hexanone	9.49	43	909	1.649	ug/l #	60

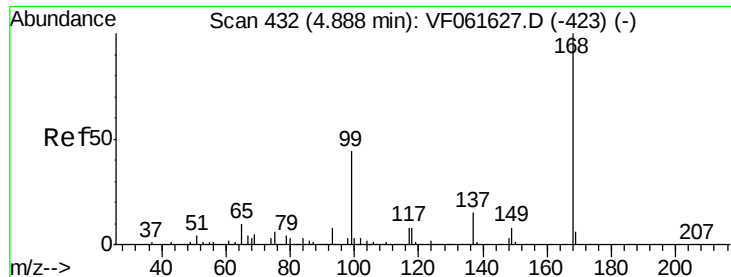
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

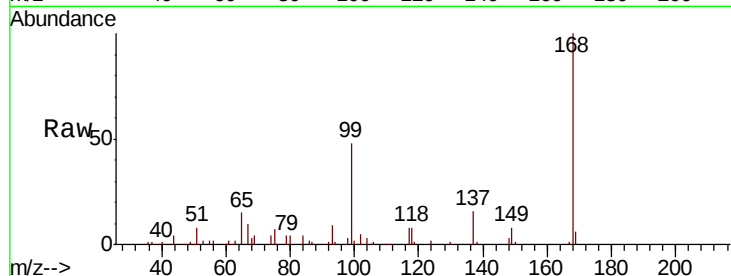
EO-02-021319-C

Tgt Ion:168 Resp: 139078

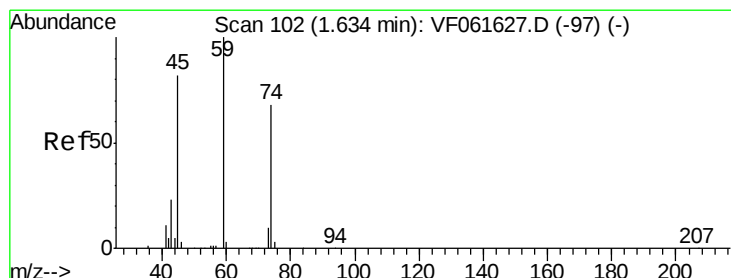
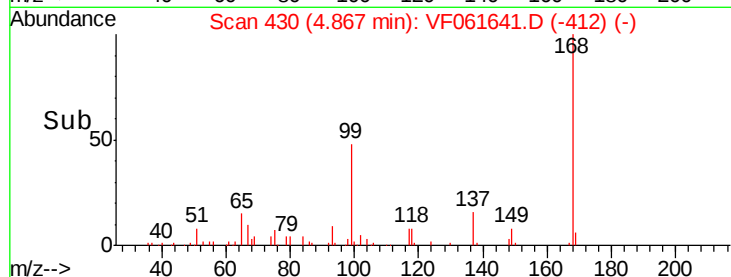
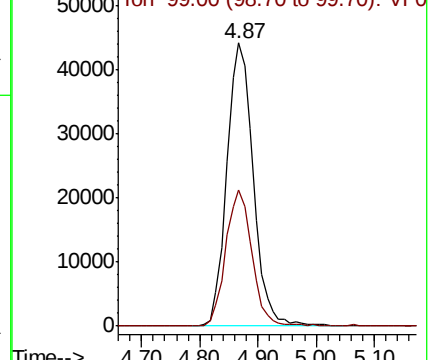
Ion Ratio Lower Upper

168 100

99 48.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.888 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061641.D

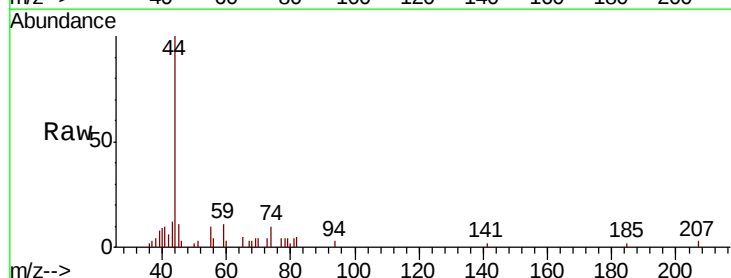
Acq: 14 Feb 2019 15:34

Tgt Ion: 74 Resp: 894

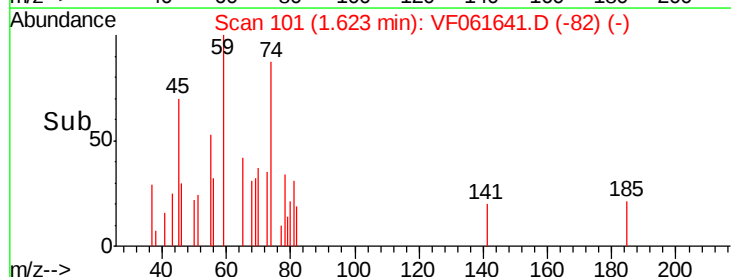
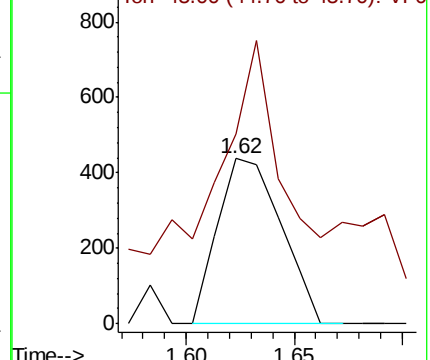
Ion Ratio Lower Upper

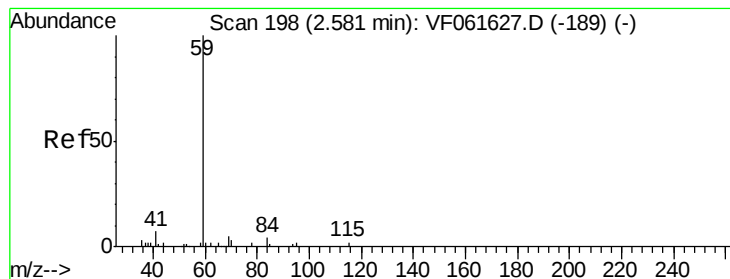
74 100

45 114.9 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0





#11

Tert butyl alcohol

Concen: 1.135 ug/l

RT: 2.51 min Scan# 191

Delta R.T. -0.07 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

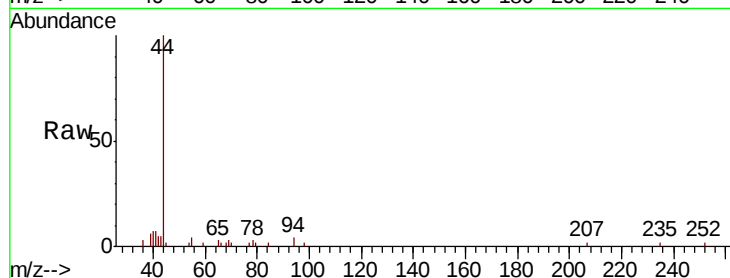
EO-02-021319-C

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

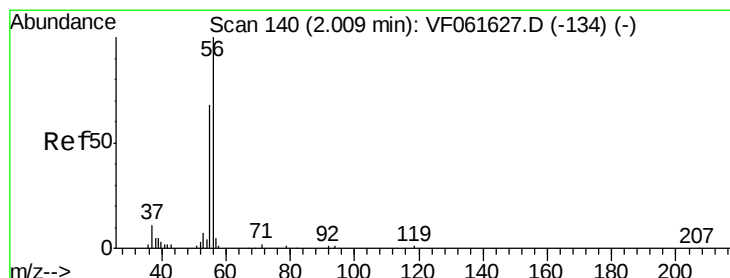
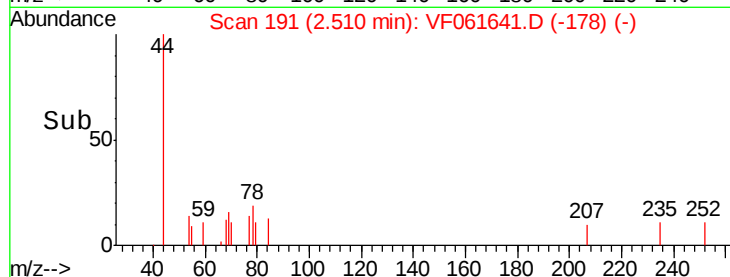
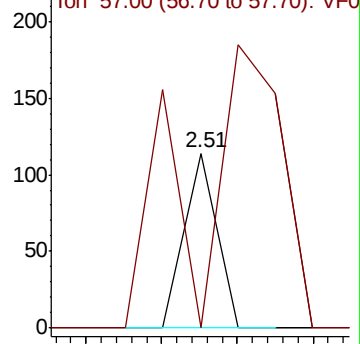
59 100

57 0.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#13

Acrolein

Concen: 8.250 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061641.D

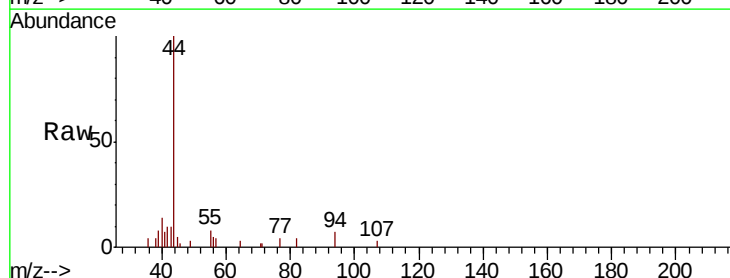
Acq: 14 Feb 2019 15:34

Tgt Ion: 56 Resp: 612

Ion Ratio Lower Upper

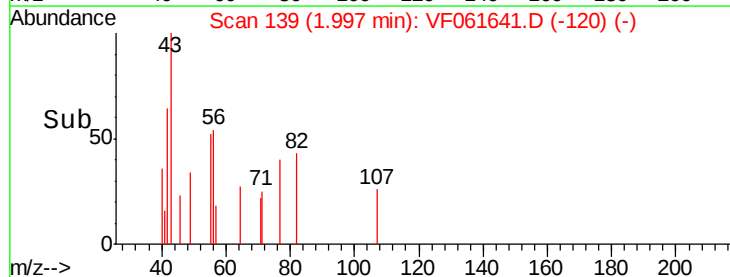
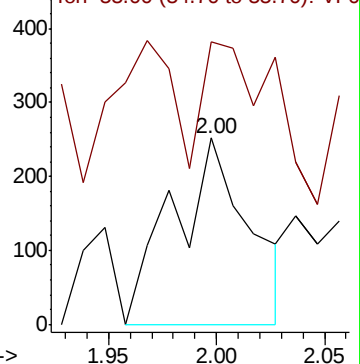
56 100

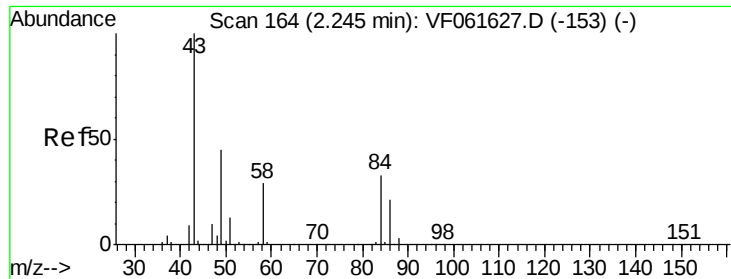
55 151.6 55.0 82.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#16

Acetone

Concen: 68.837 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

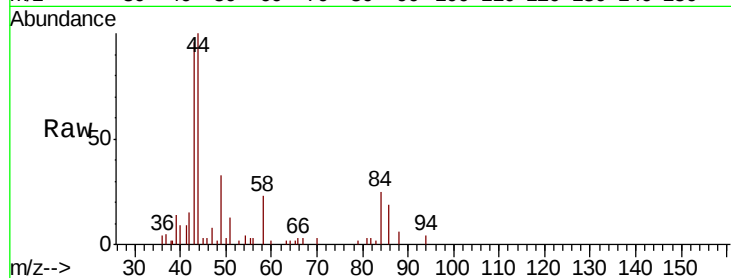
EO-02-021319-C

Tgt Ion: 43 Resp: 15063

Ion Ratio Lower Upper

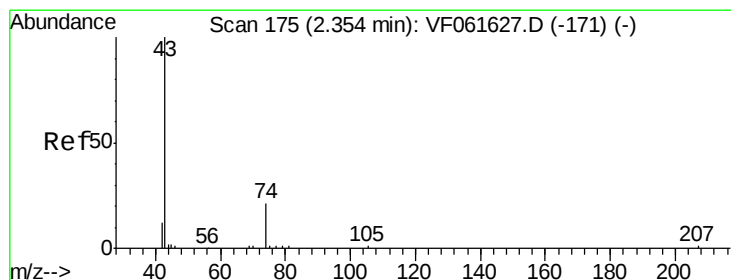
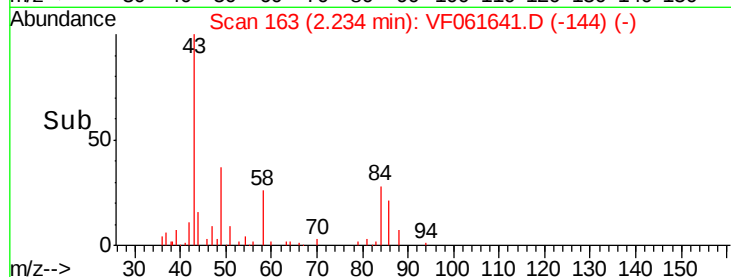
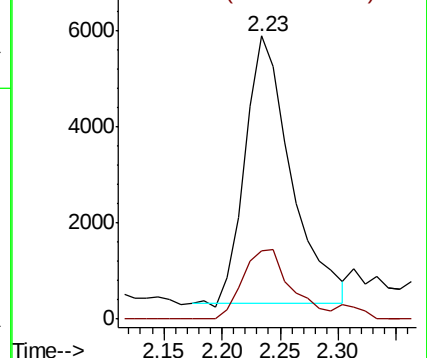
43 100

58 24.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.712 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.04 min

Lab File: VF061641.D

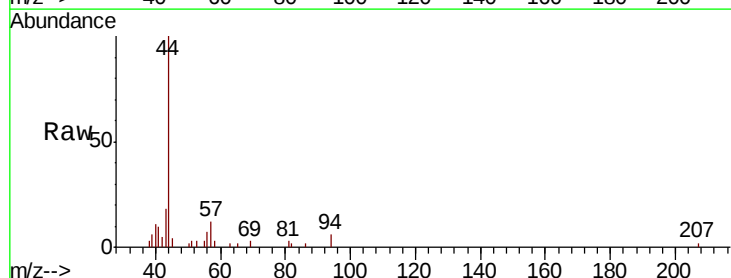
Acq: 14 Feb 2019 15:34

Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

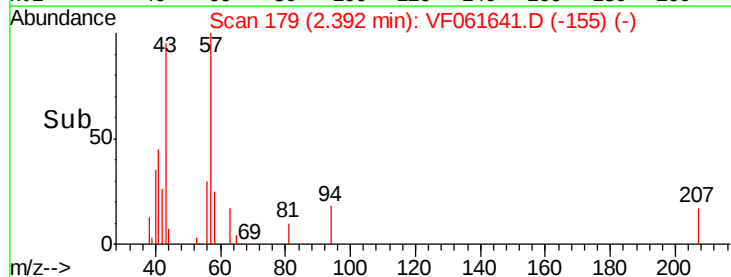
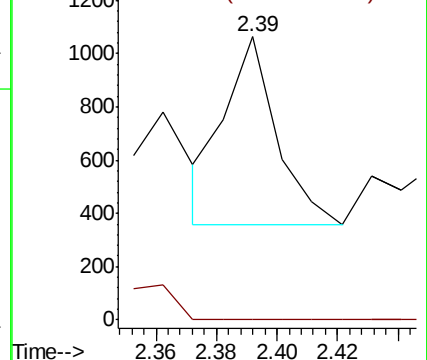
43 100

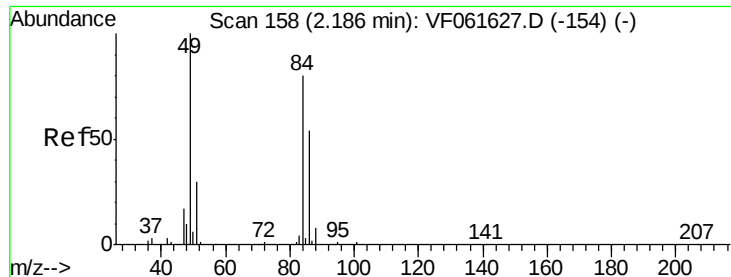
74 0.0 14.6 21.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

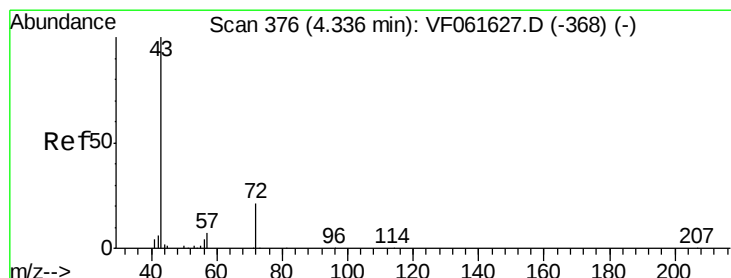
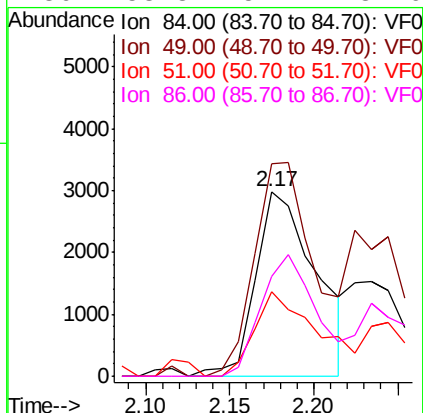
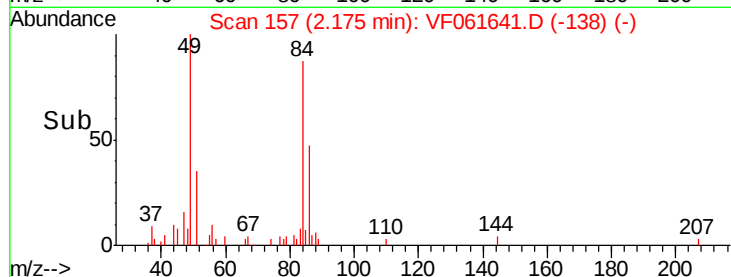
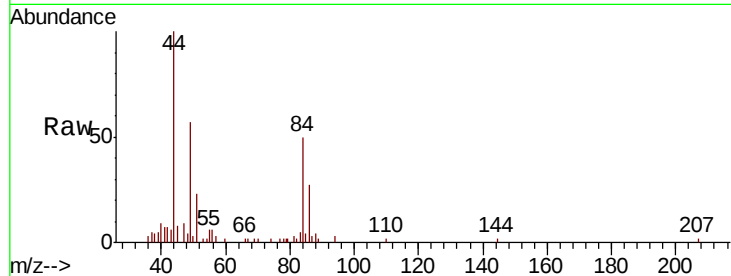




#20
Methylene Chloride
Concen: 3.989 ug/l
RT: 2.17 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061641.D
Acq: 14 Feb 2019 15:34

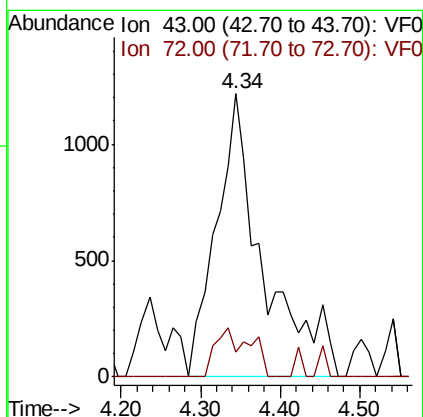
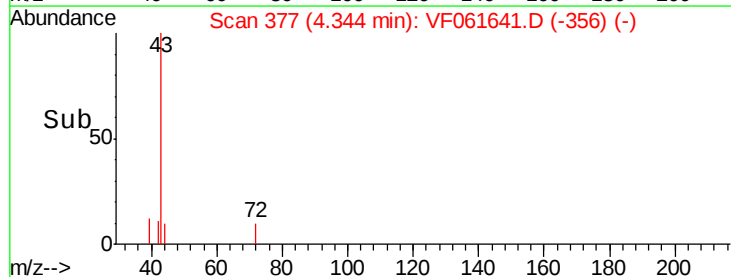
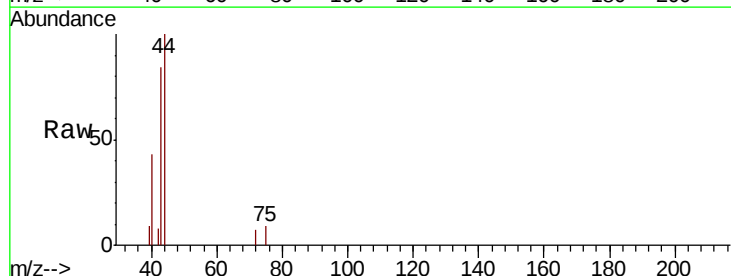
Instrument :
MSVOA_F
ClientSampleId :
EO-02-021319-C

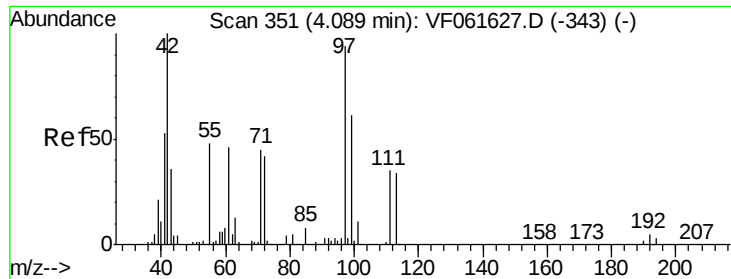
Tgt Ion: 84 Resp: 7397
Ion Ratio Lower Upper
84 100
49 115.0 101.8 152.8
51 45.5 31.1 46.7
86 53.8 54.4 81.6#



#25
2-Butanone
Concen: 10.429 ug/l
RT: 4.34 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF061641.D
Acq: 14 Feb 2019 15:34

Tgt Ion: 43 Resp: 4985
Ion Ratio Lower Upper
43 100
72 8.7 17.1 25.7#





#29

Tetrahydrofuran

Concen: 4.985 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

EO-02-021319-C

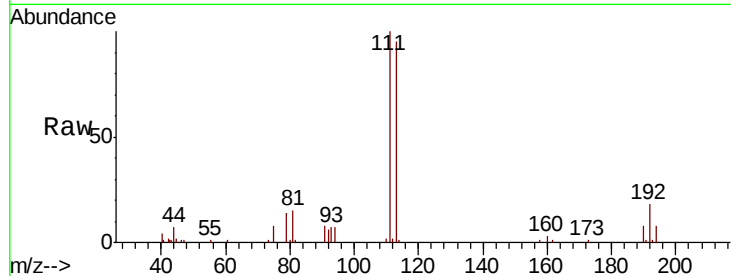
Tgt Ion: 42 Resp: 1083

Ion Ratio Lower Upper

42 100

72 6.7 35.2 52.8#

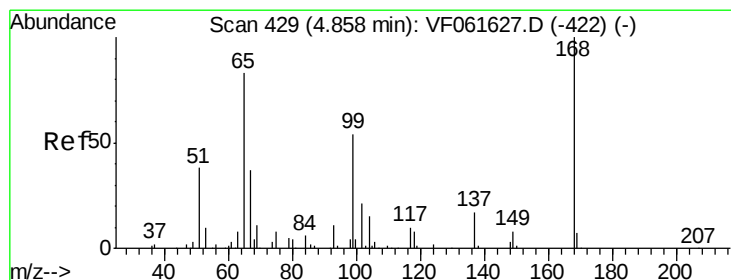
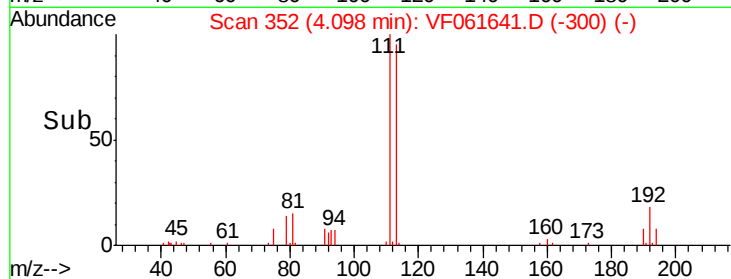
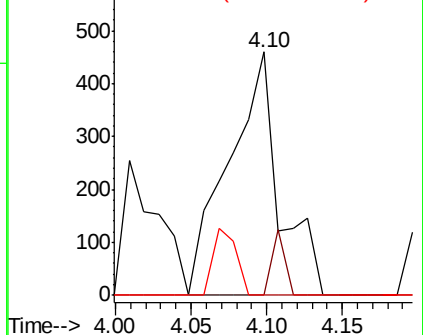
71 0.0 32.9 49.3#



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: 49.070 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061641.D

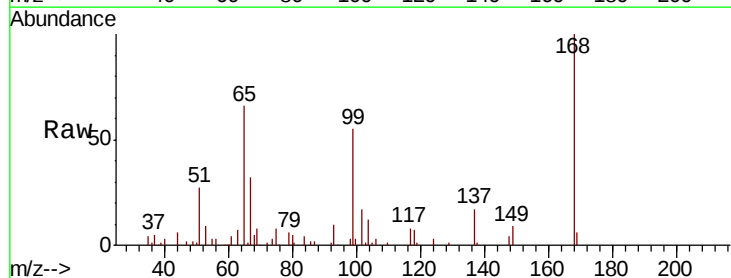
Acq: 14 Feb 2019 15:34

Tgt Ion: 65 Resp: 50045

Ion Ratio Lower Upper

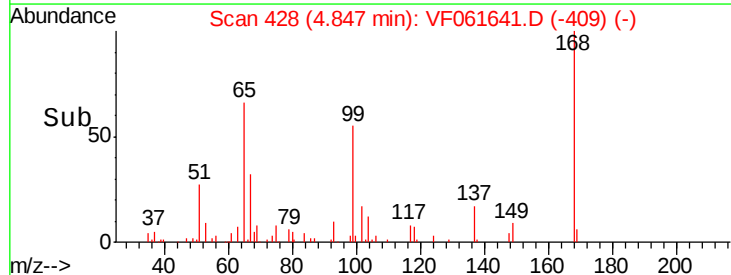
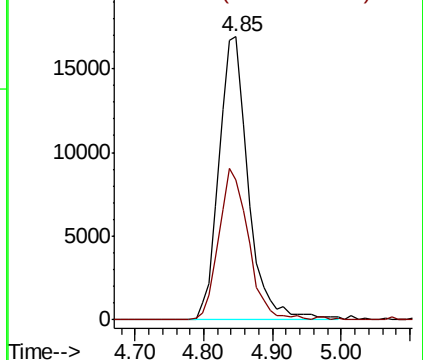
65 100

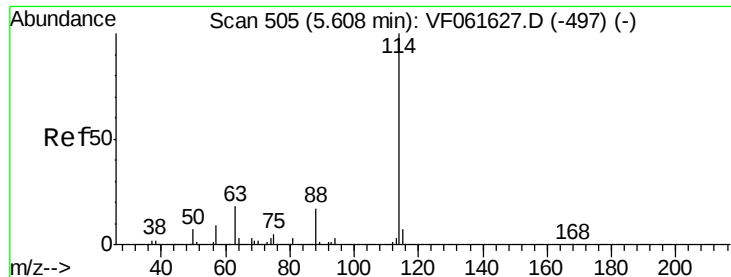
67 49.4 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

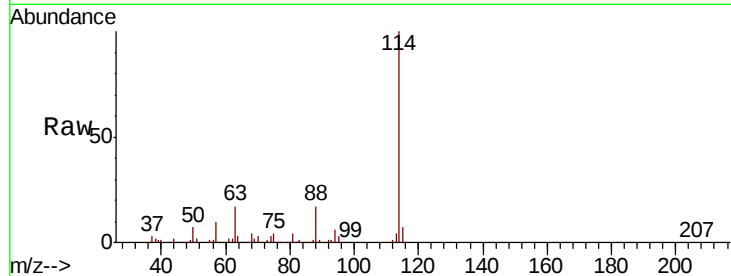




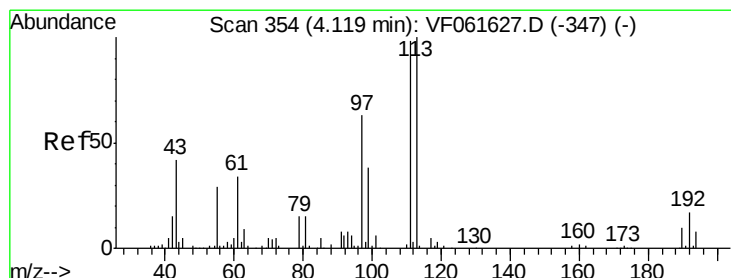
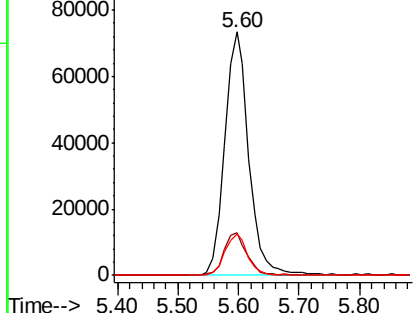
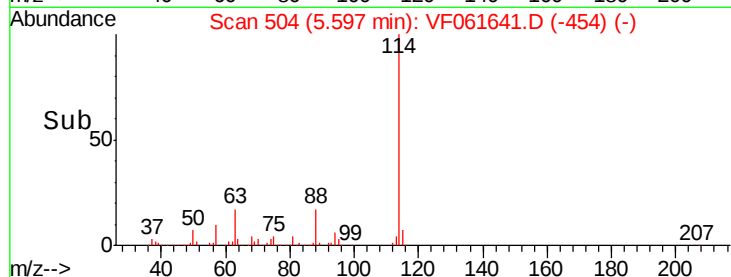
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061641.D
 Acq: 14 Feb 2019 15:34

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-021319-C

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	36.6
88	16.9	0.0	34.4

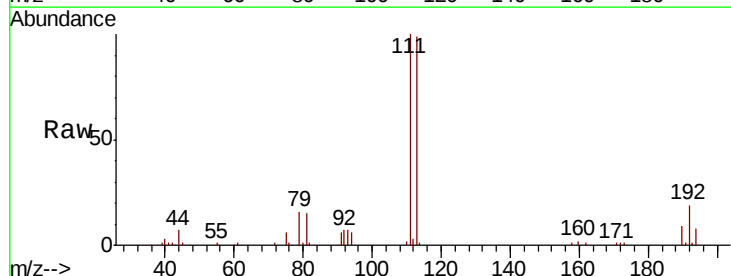


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

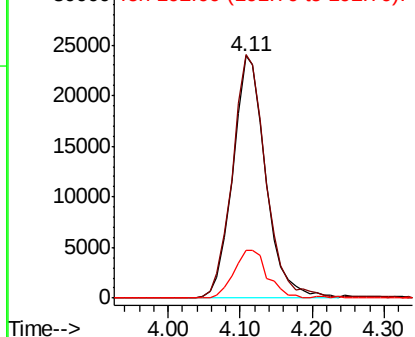
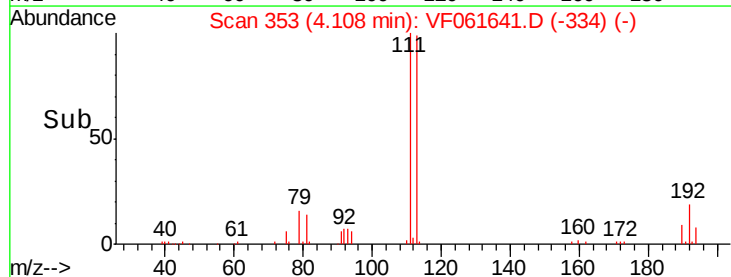


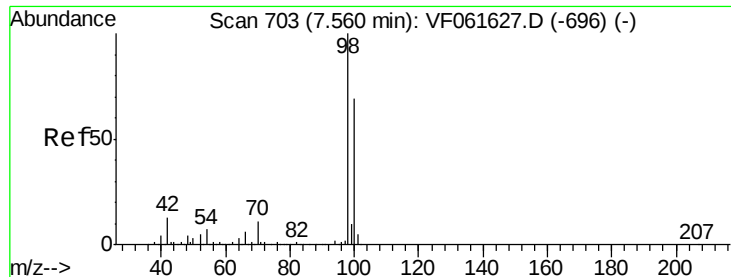
#35
 Dibromofluoromethane
 Concen: 50.673 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061641.D
 Acq: 14 Feb 2019 15:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	78.8	118.2
192	19.5	13.4	20.0



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: 44.176 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061641.D

Acq: 14 Feb 2019 15:34

Instrument :

MSVOA_F

ClientSampleId :

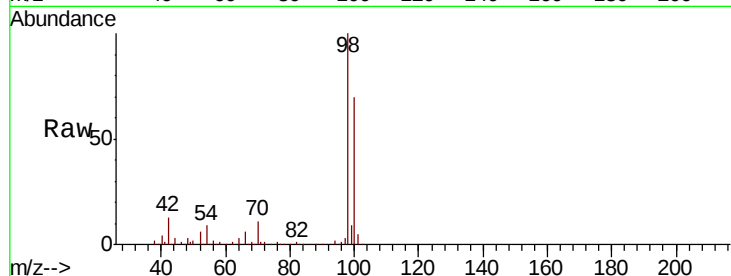
EO-02-021319-C

Tgt Ion: 98 Resp: 190558

Ion Ratio Lower Upper

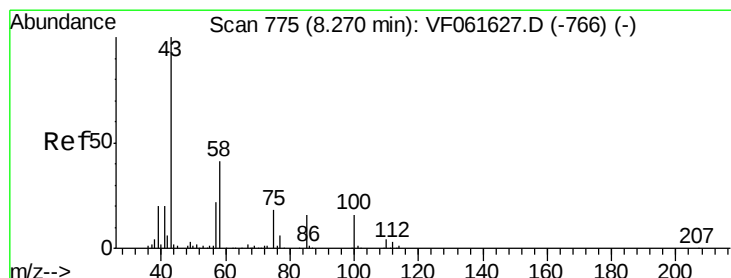
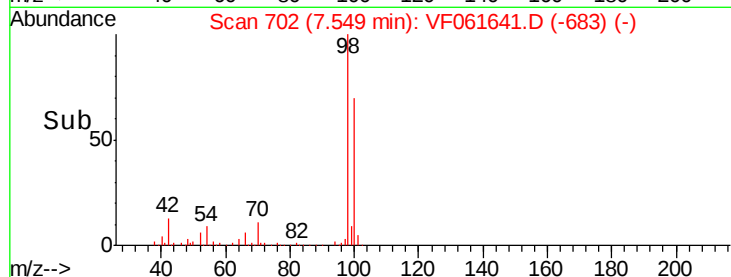
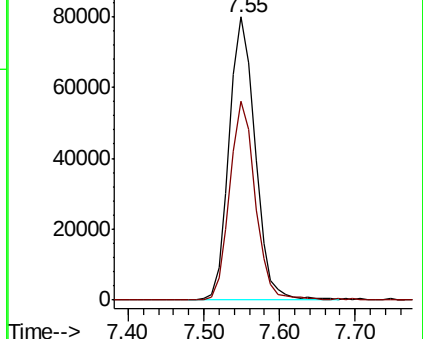
98 100

100 70.1 55.4 83.2



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: 2.471 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061641.D

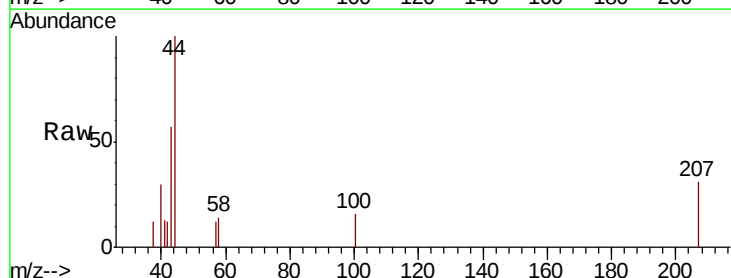
Acq: 14 Feb 2019 15:34

Tgt Ion: 43 Resp: 1943

Ion Ratio Lower Upper

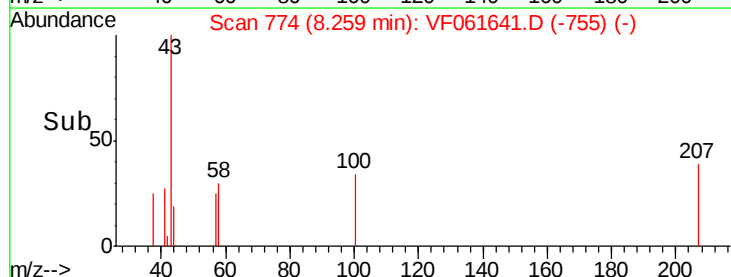
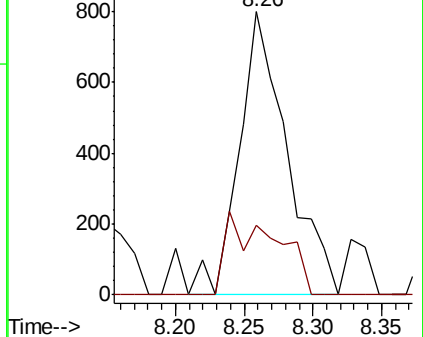
43 100

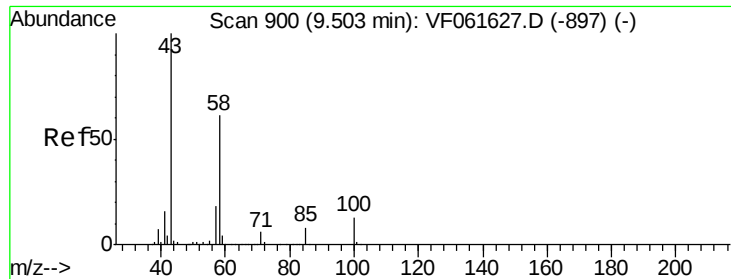
58 24.8 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

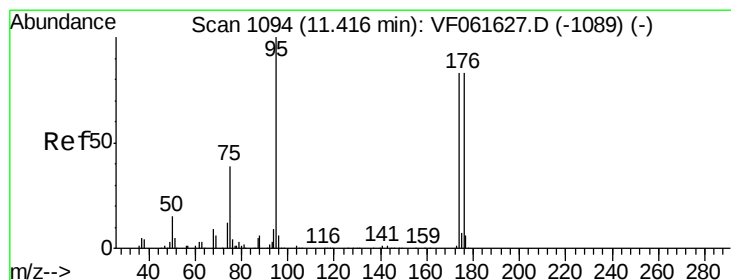
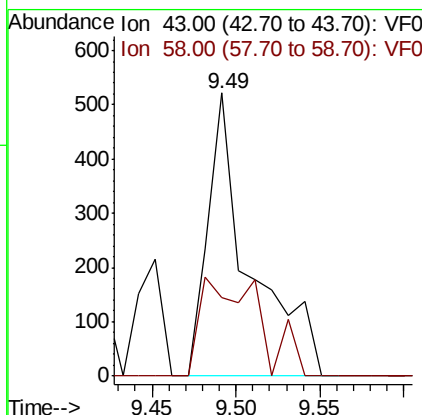
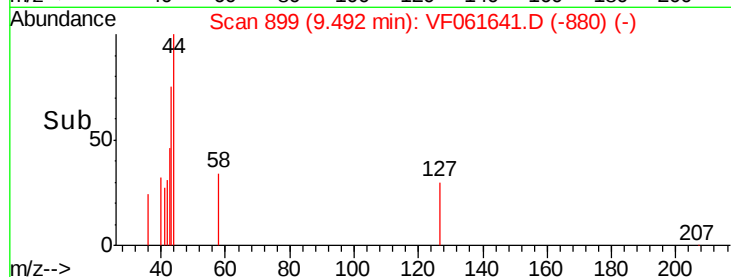
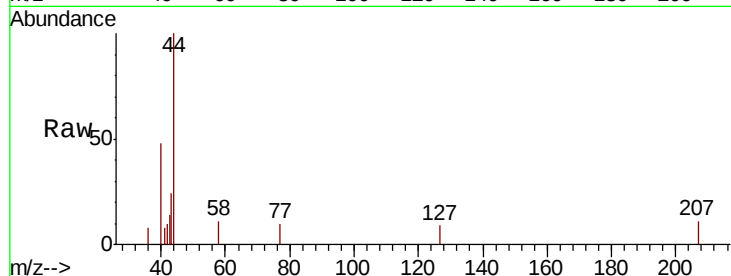




#59
2-Hexanone
Concen: 1.649 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061641.D
Acq: 14 Feb 2019 15:34

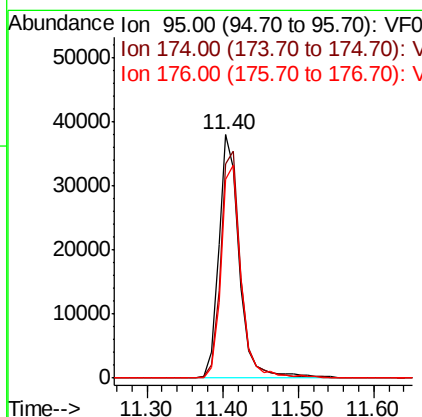
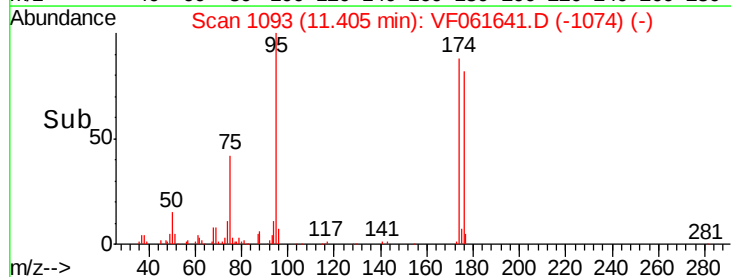
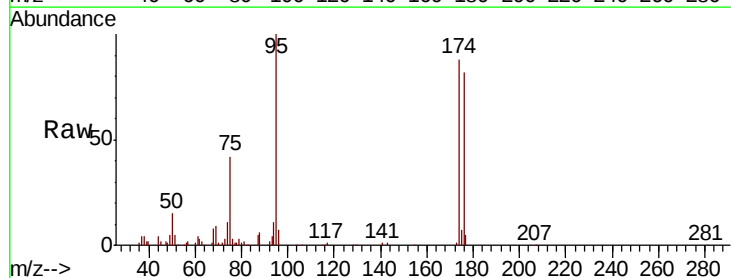
Instrument :
MSVOA_F
ClientSampleId :
EO-02-021319-C

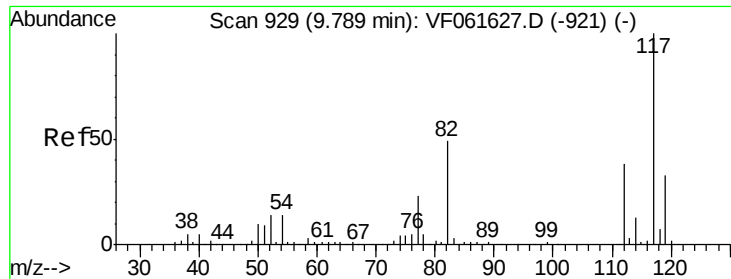
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 27.8 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 41.433 ug/l
RT: 11.40 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061641.D
Acq: 14 Feb 2019 15:34

Tgt Ion: 95 Resp: 72316
Ion Ratio Lower Upper
95 100
174 87.9 0.0 165.8
176 81.9 0.0 167.0

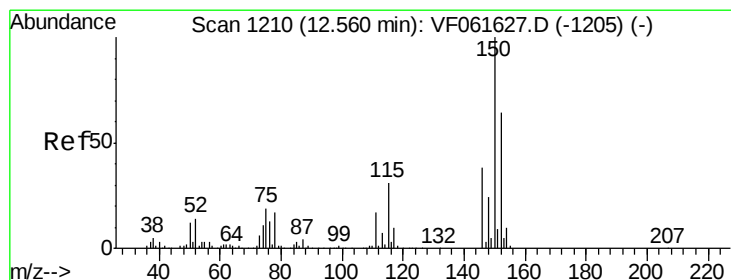
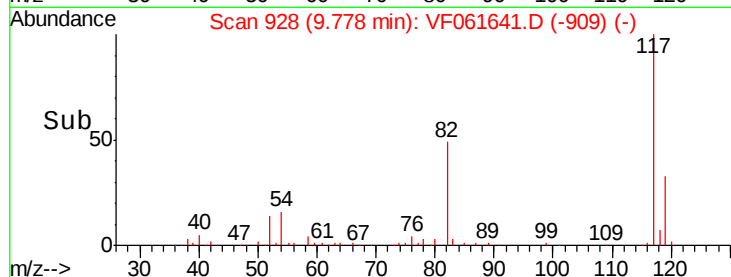
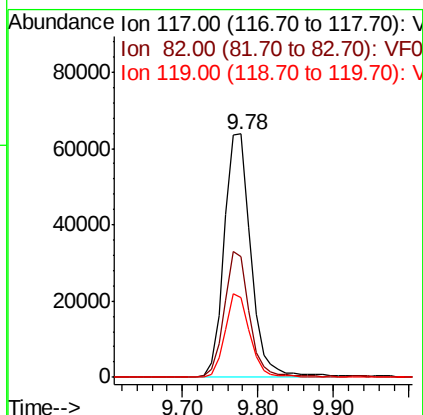
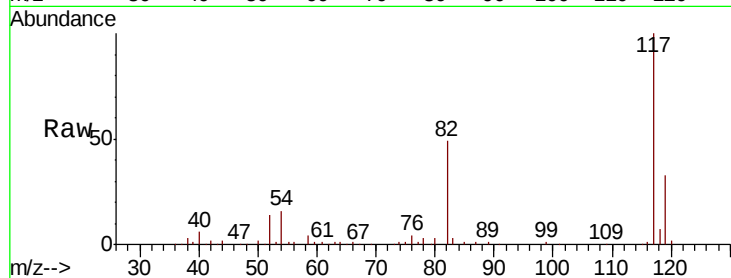




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061641.D
Acq: 14 Feb 2019 15:34

Instrument :
MSVOA_F
ClientSampleId :
EO-02-021319-C

Tgt Ion:117 Resp: 156074
Ion Ratio Lower Upper
117 100
82 49.4 39.3 58.9
119 32.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061641.D
Acq: 14 Feb 2019 15:34

Tgt Ion:152 Resp: 72980
Ion Ratio Lower Upper
152 100
115 51.4 24.3 72.8
150 152.2 0.0 312.0

