

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062294.D
 Acq On : 25 Apr 2019 16:14
 Operator : FY/SY
 Sample : K2553-01RE
 Misc : 5.37g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200034RE

Quant Time: Apr 26 01:09:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	366399	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	486686	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	288412	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	113768	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	174511	58.80	ug/l	-0.01
Spiked Amount			Recovery	=	117.60%	
35) Dibromofluoromethane	4.30	113	213437	59.15	ug/l	-0.02
Spiked Amount			Recovery	=	118.30%	
50) Toluene-d8	7.71	98	360165	40.86	ug/l	-0.01
Spiked Amount			Recovery	=	81.72%	
62) 4-Bromofluorobenzene	11.50	95	123482	33.99	ug/l	-0.01
Spiked Amount			Recovery	=	67.98%	

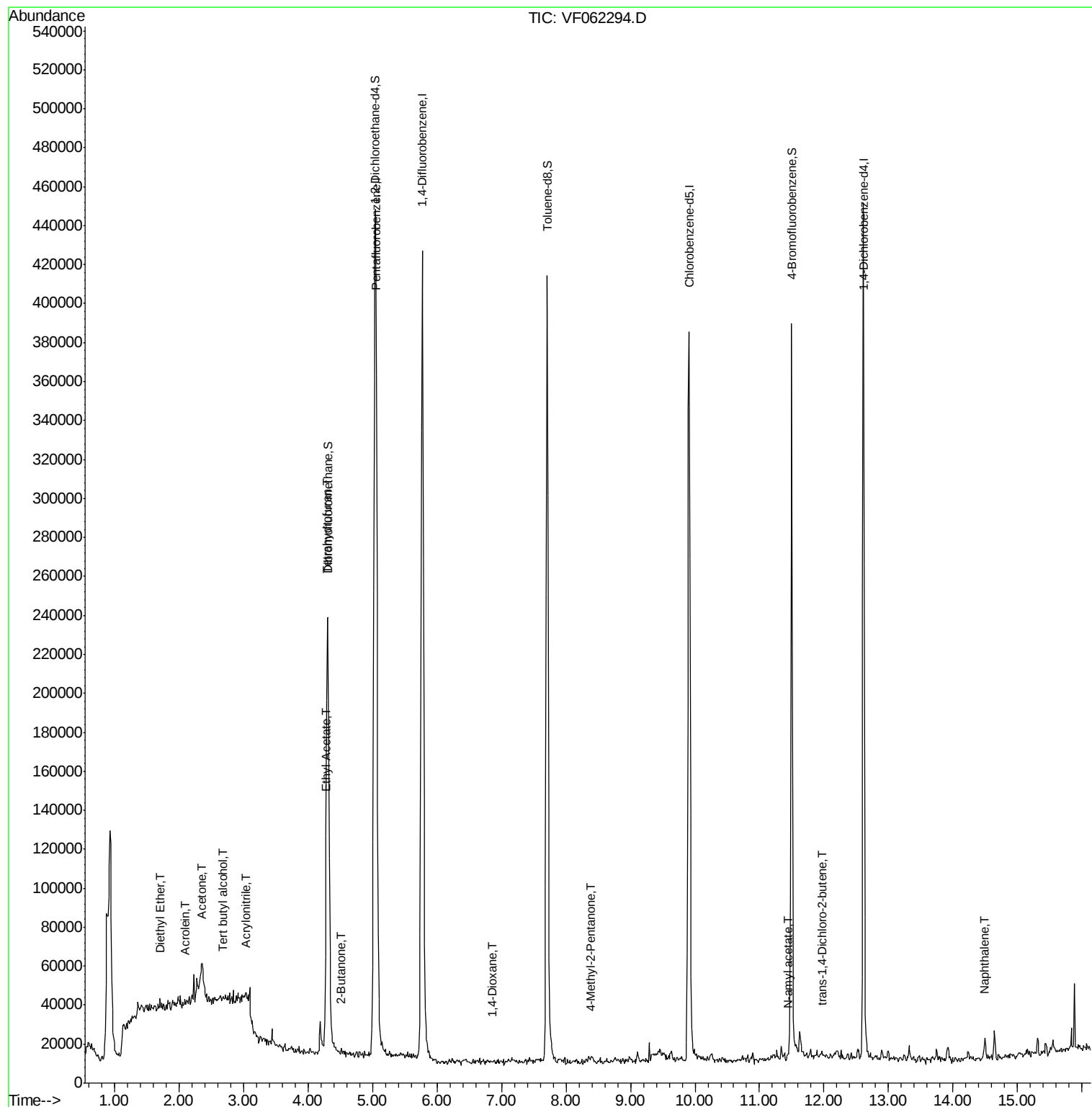
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	1898	1.898	ug/l	80
11) Tert butyl alcohol	2.68	59	332	1.849	ug/l #	1
13) Acrolein	2.09	56	465	10.921	ug/l	91
15) Acrylonitrile	3.04	53	721	1.450	ug/l #	15
16) Acetone	2.35	43	3984	5.996	ug/l #	88
18) Methyl Acetate	2.47	43	675	Below Cal	#	1
20) Methylene Chloride	2.35	84	14969	Below Cal	#	84
25) 2-Butanone	4.53	43	1599	1.518	ug/l	99
29) Tetrahydrofuran	4.29	42	745	1.609	ug/l #	26
37) Ethyl Acetate	4.27	43	2373	1.256	ug/l #	18
49) 1,4-Dioxane	6.86	88	148	9.287	ug/l #	62
51) 4-Methyl-2-Pentanone	8.40	43	4569	3.070	ug/l #	79
59) 2-Hexanone	9.62	43	4762	Below Cal		78
74) N-amyl acetate	11.45	43	2595	1.445	ug/l #	71
81) trans-1,4-Dichloro-2-buten	11.96	75	433	1.102	ug/l #	7
95) Naphthalene	14.49	128	5888	1.307	ug/l #	94

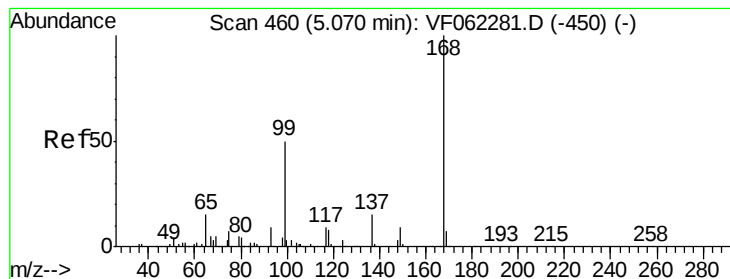
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042519\
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

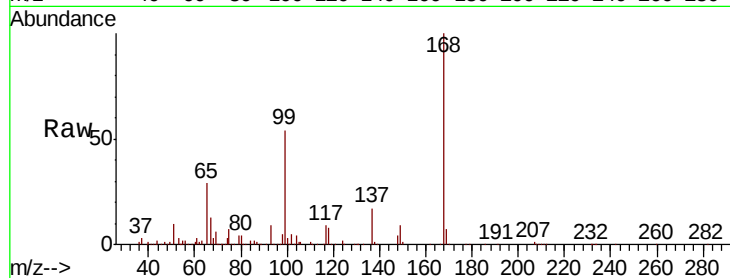
RBR200034RE

Tot Ion:168 Resp: 366399

Ion Ratio Lower Upper

168 100

99 53.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

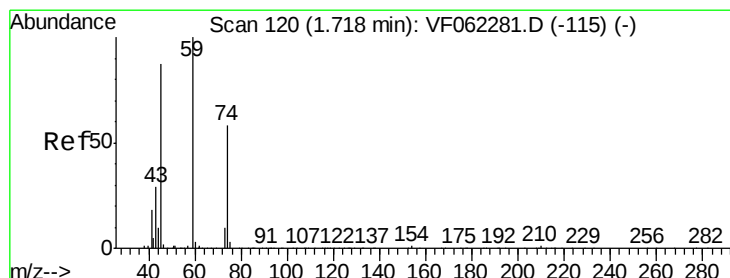
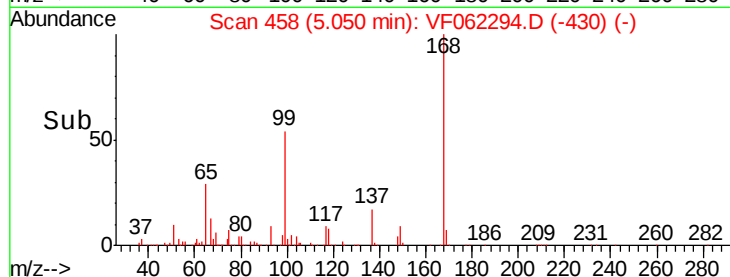
5.05

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.898 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062294.D

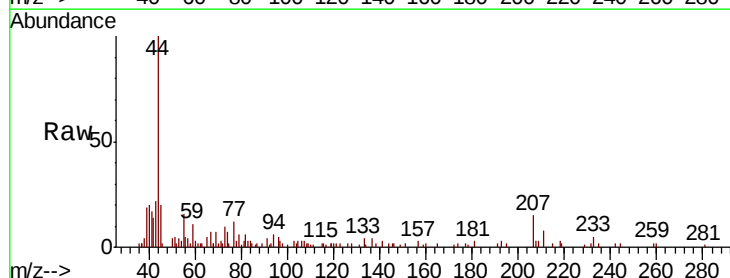
Acq: 25 Apr 2019 16:14

Tgt Ion: 74 Resp: 1898

Ion Ratio Lower Upper

74 100

45 123.3 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

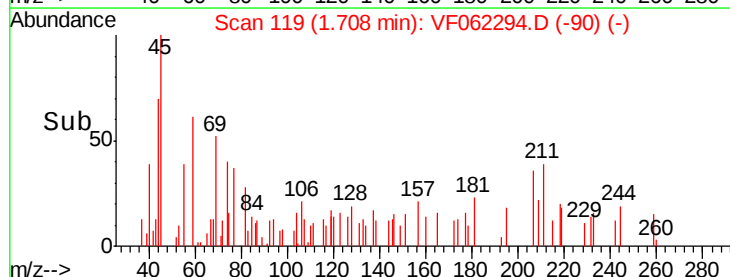
1500

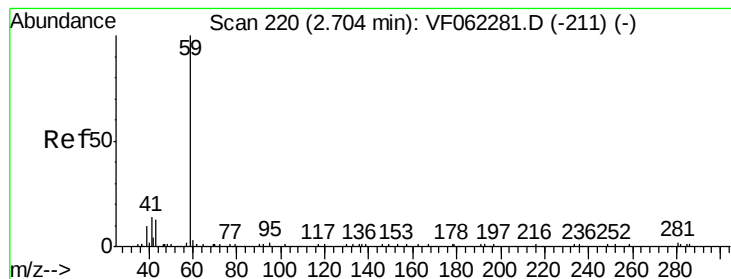
1000

500

0

Time-->



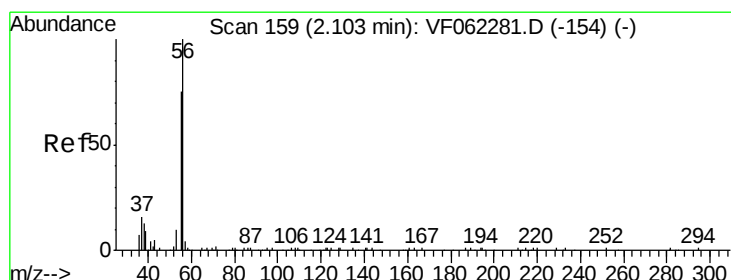
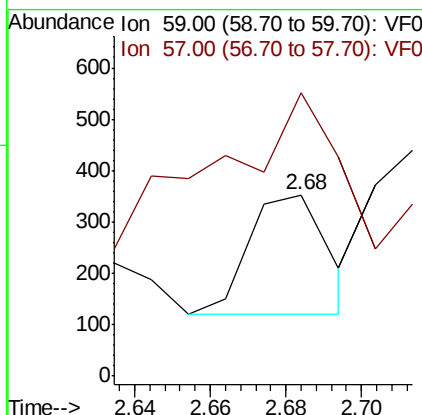
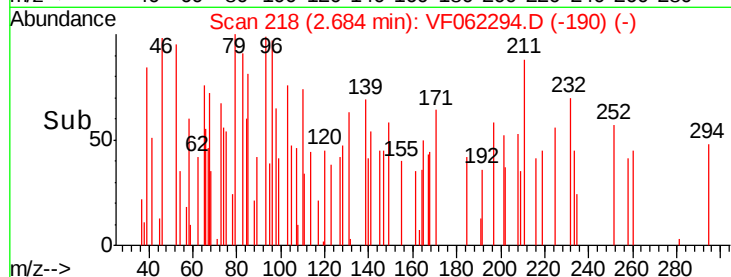
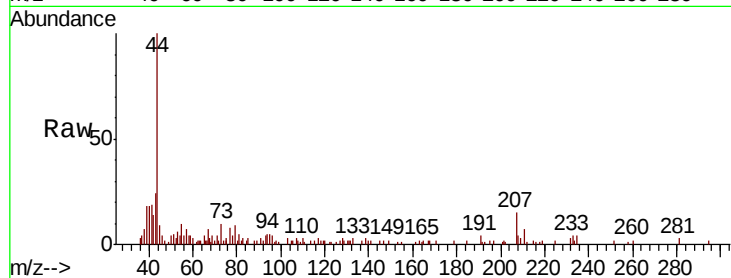


#11

Tert butyl alcohol
Concen: 1.849 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

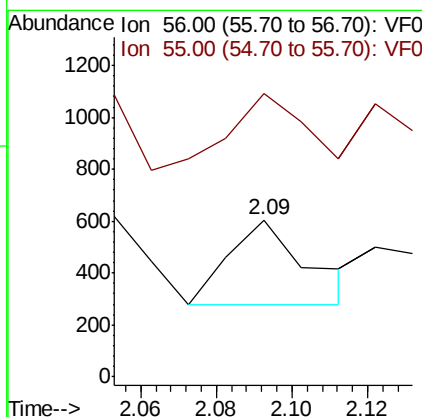
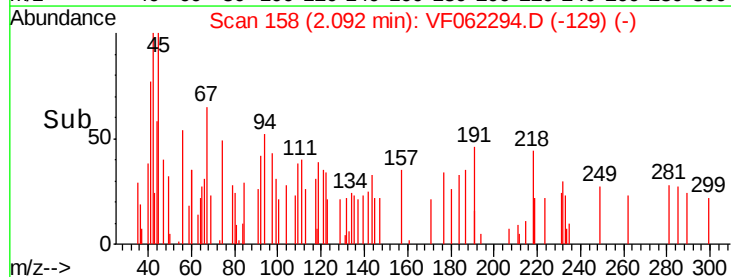
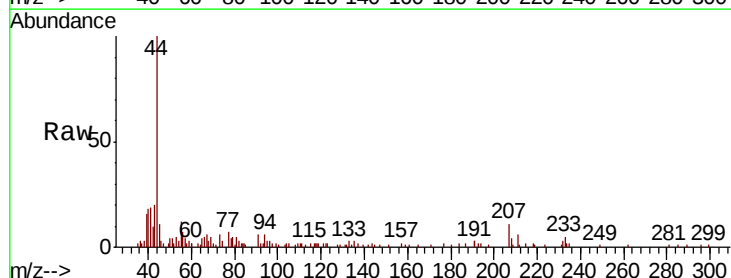
Tot Ion: 59.00 Resp: 332
Ion Ratio Lower Upper
59 100
57 194.3 8.8 13.2#

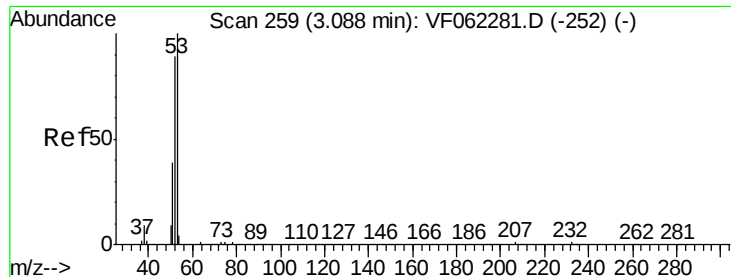


#13

Acrolein
Concen: 10.921 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion: 56 Resp: 465
Ion Ratio Lower Upper
56 100
55 70.3 62.3 93.5





#15

Acrylonitrile

Concen: 1.450 ug/l

RT: 3.04 min Scan# 254

Delta R.T. -0.05 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

RBR200034RE

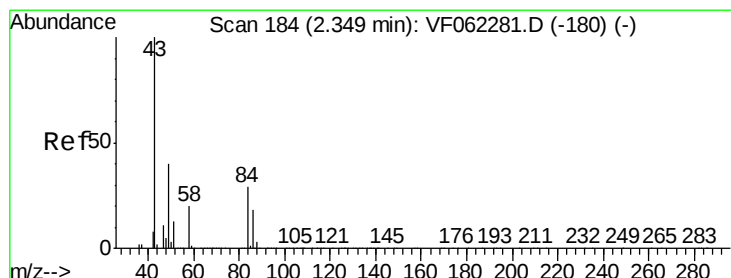
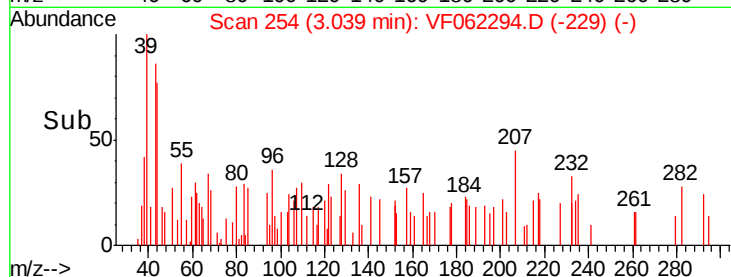
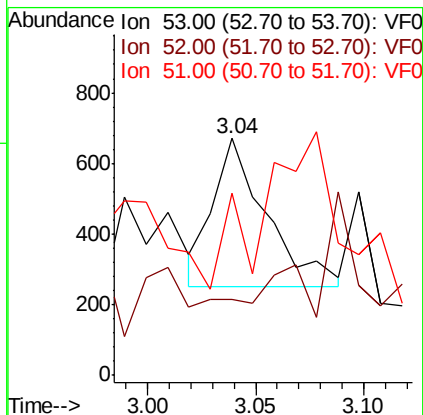
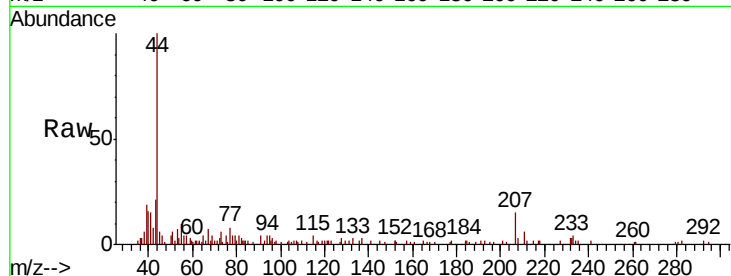
Tot Ion: 53 Resp: 721

Ion Ratio Lower Upper

53 100

52 0.0 70.6 105.8#

51 0.0 32.6 48.8#



#16

Acetone

Concen: 5.996 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062294.D

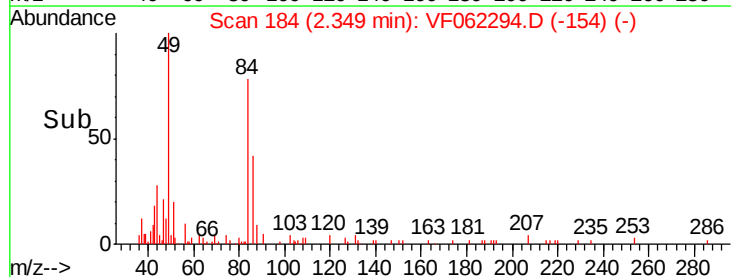
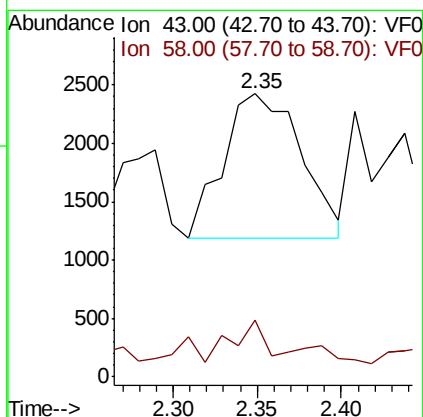
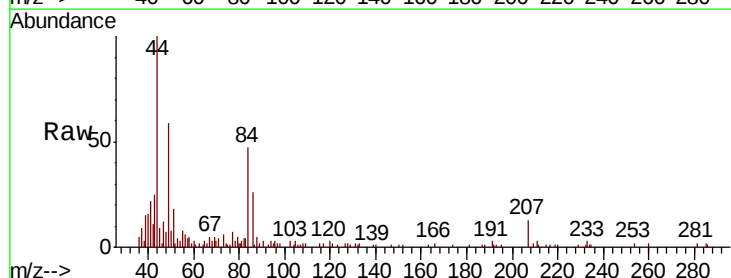
Acq: 25 Apr 2019 16:14

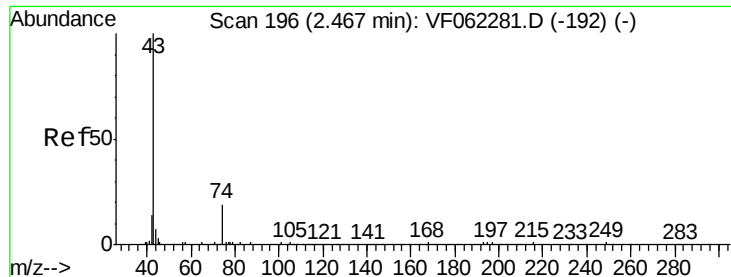
Tgt Ion: 43 Resp: 3984

Ion Ratio Lower Upper

43 100

58 26.2 16.4 24.6#

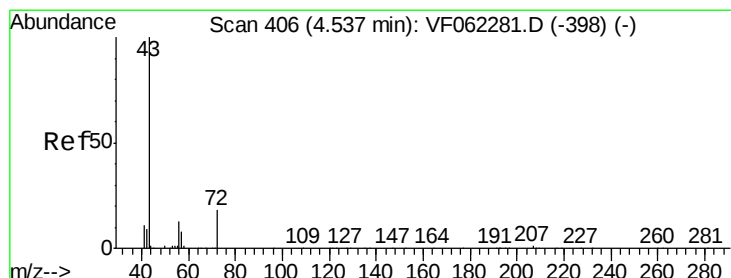
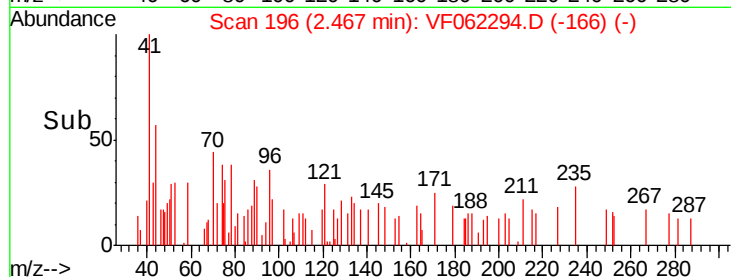
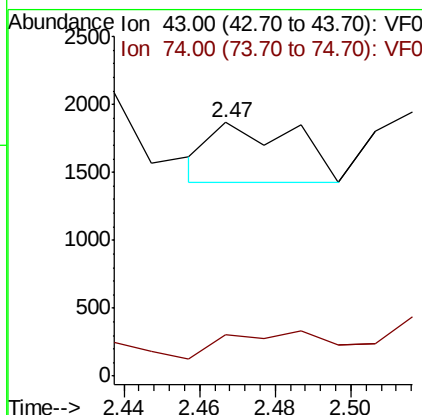
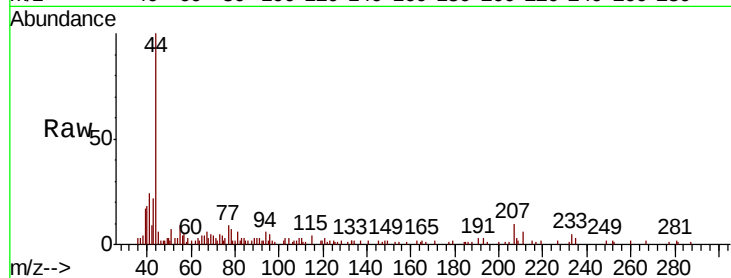




#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

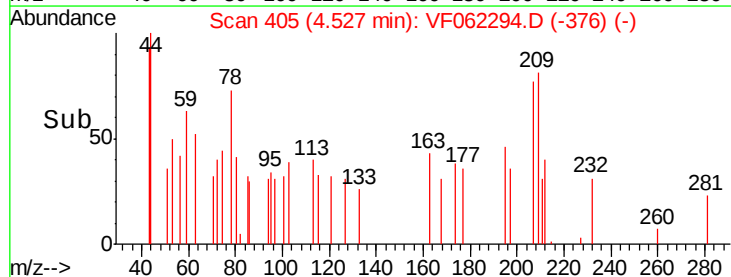
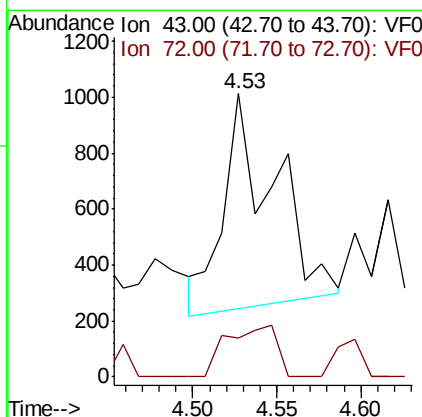
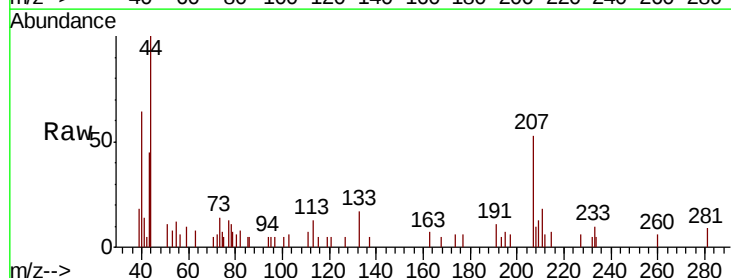
Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

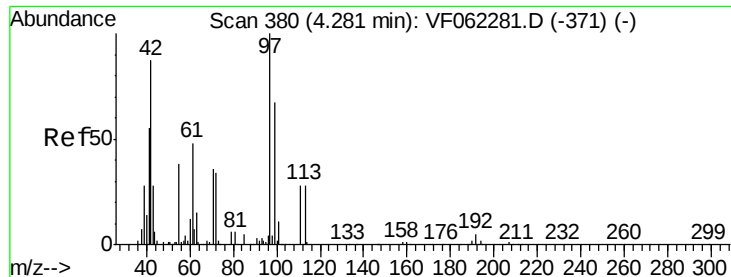
Tot Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
74 70.2 14.4 21.6#



#25
2-Butanone
Concen: 1.518 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
72 19.9 15.8 23.6





#29

Tetrahydrofuran

Concen: 1.609 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

RBR200034RE

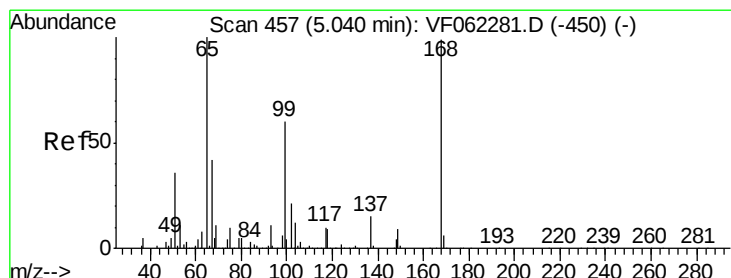
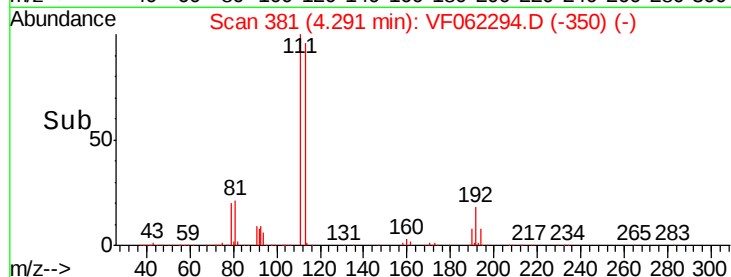
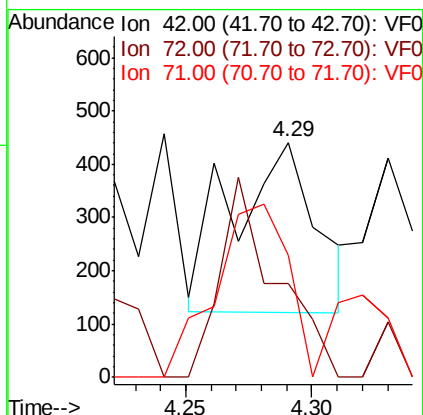
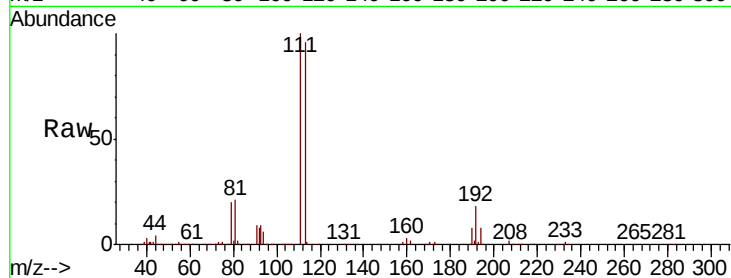
Tot Ion: 42 Resp: 745

Ion Ratio Lower Upper

42 100

72 77.3 29.3 43.9#

71 87.7 31.2 46.8#



#33

1,2-Dichloroethane-d4

Concen: 58.800 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062294.D

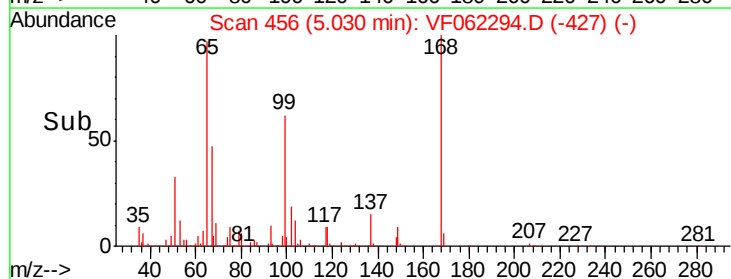
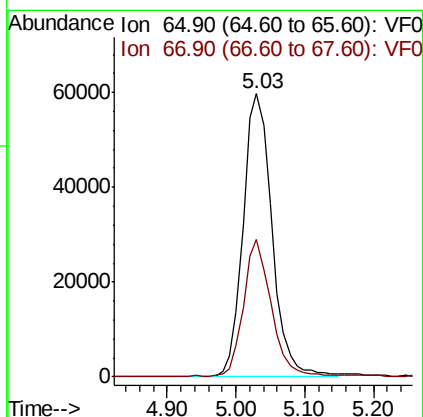
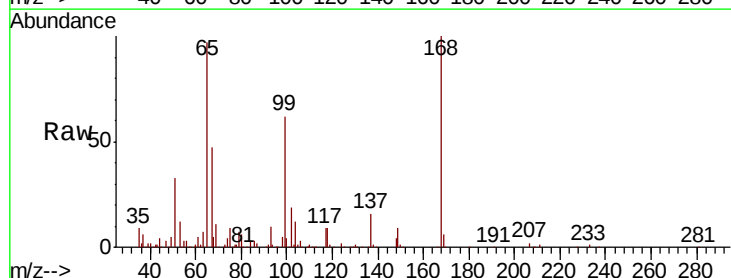
Acq: 25 Apr 2019 16:14

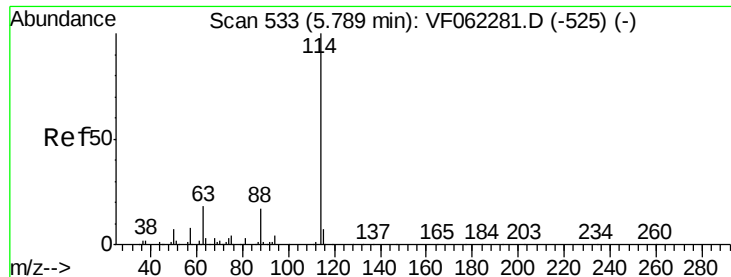
Tgt Ion: 65 Resp: 174511

Ion Ratio Lower Upper

65 100

67 46.9 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

RBR200034RE

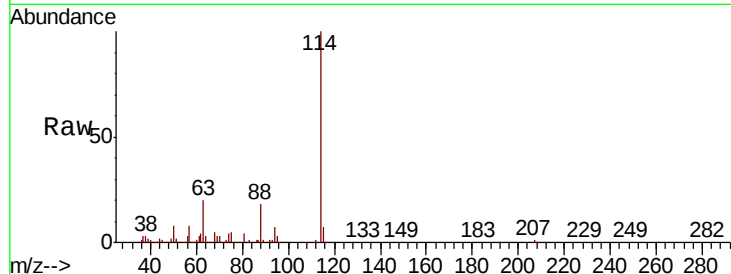
Tot Ion:114 Resp: 486686

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.6

88 18.1 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

200000

150000

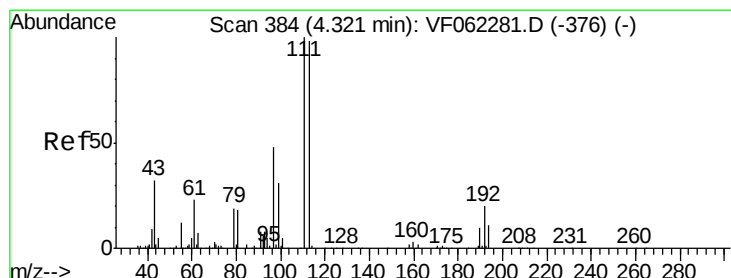
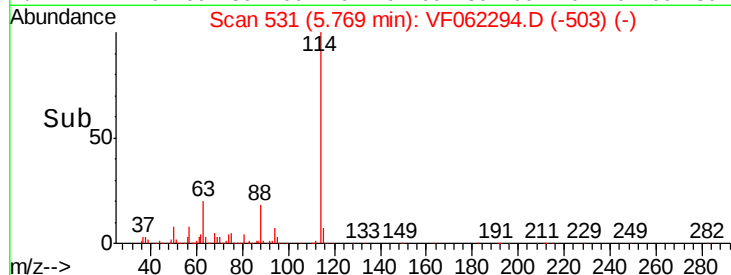
100000

50000

0

5.60 5.80 6.00

Time-->



#35

Dibromofluoromethane

Concen: 59.148 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062294.D

Acq: 25 Apr 2019 16:14

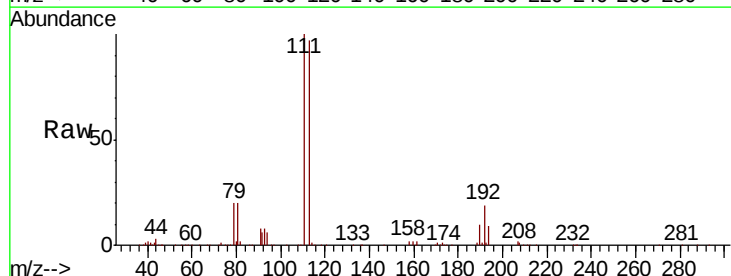
Tgt Ion:113 Resp: 213437

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

192 21.0 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

80000

60000

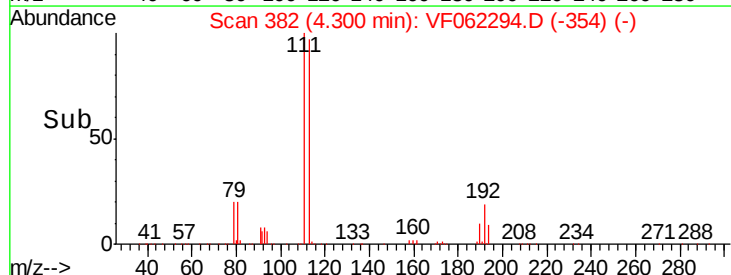
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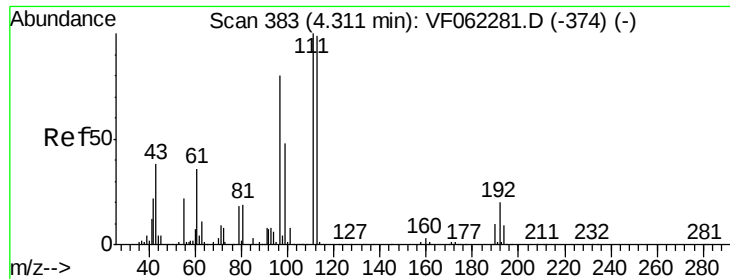
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4.10 4.20 4.30 4.40 4.50

Time-->

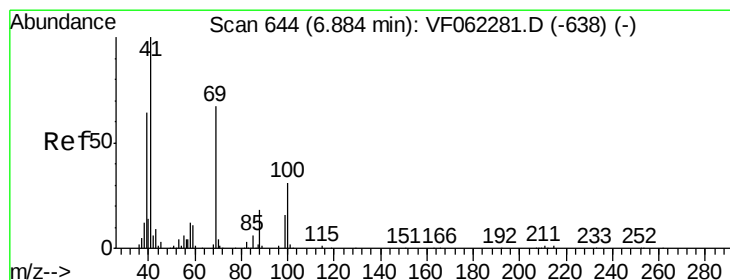
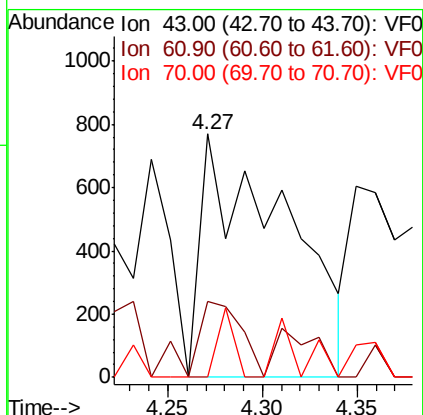
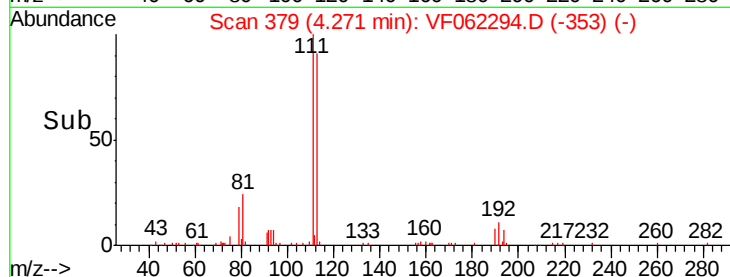
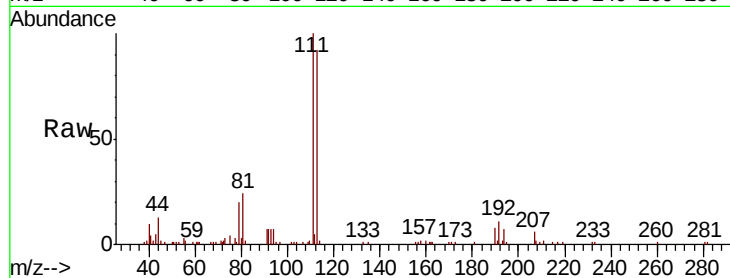




#37
Ethyl Acetate
Concen: 1.256 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.04 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

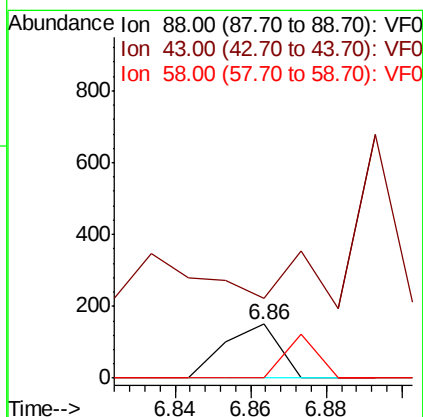
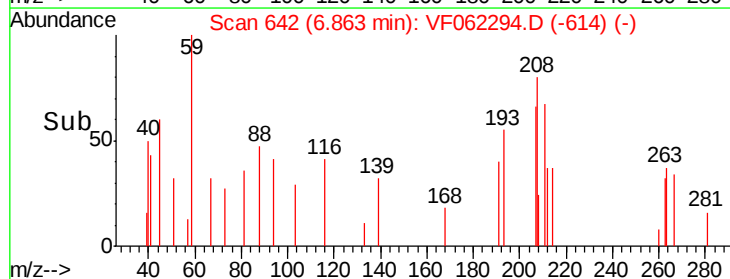
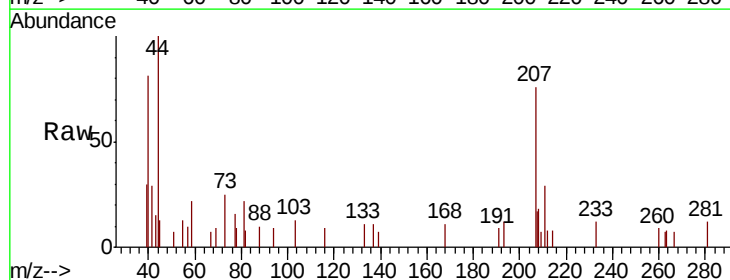
Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

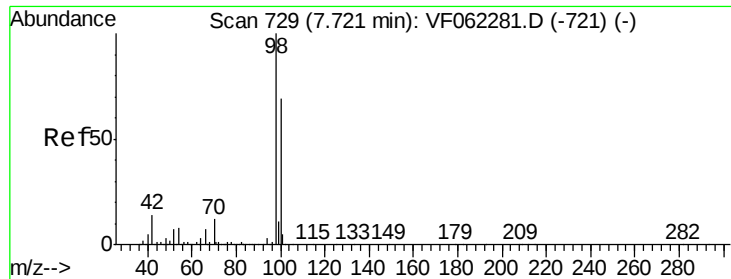
Tot Ion: 43 Resp: 2373
Ion Ratio Lower Upper
43 100
61 15.2 85.8 128.6#
70 5.5 7.3 10.9#



#49
1,4-Dioxane
Concen: 9.287 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 0.0 34.2 51.4#
58 49.3 50.7 76.1#

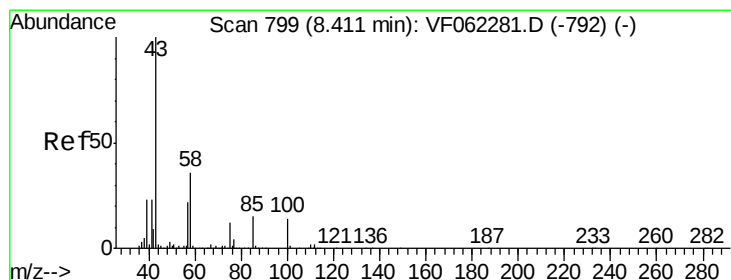
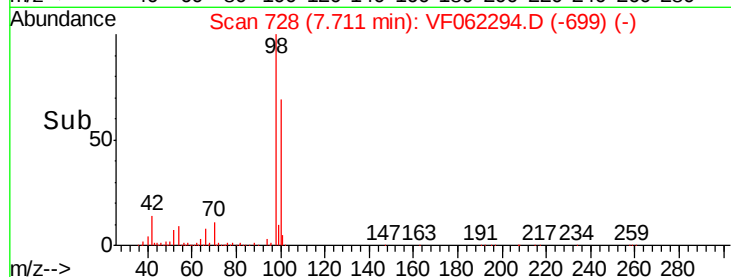
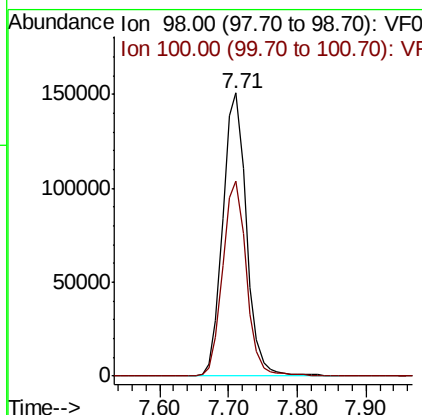
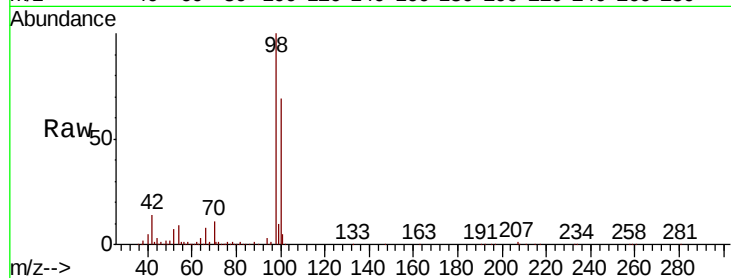




#50
Toluene-d8
Concen: 40.862 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

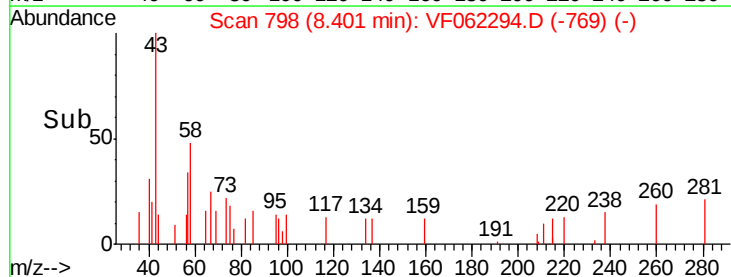
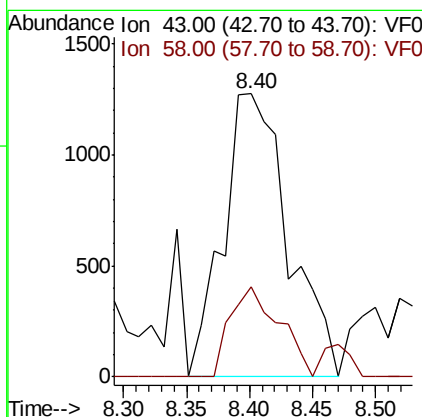
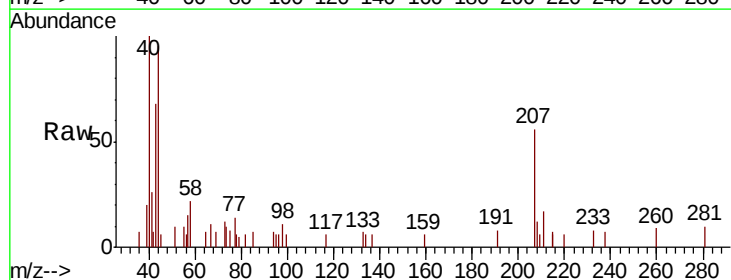
Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

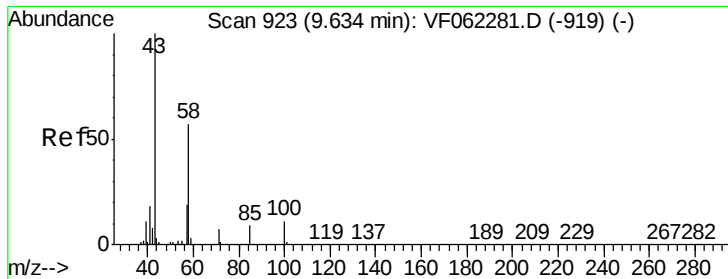
Tot Ion: 98 Resp: 360165
Ion Ratio Lower Upper
98 100
100 68.7 54.4 81.6



#51
4-Methyl-2-Pentanone
Concen: 3.070 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion: 43 Resp: 4569
Ion Ratio Lower Upper
43 100
58 24.0 29.1 43.7#

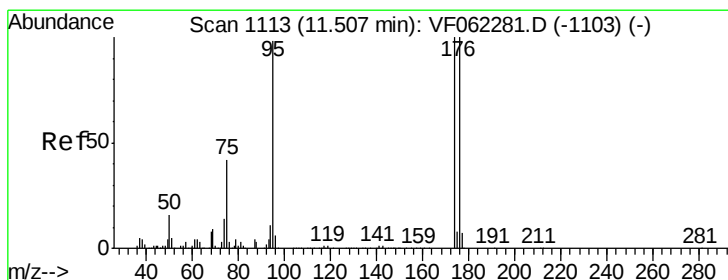
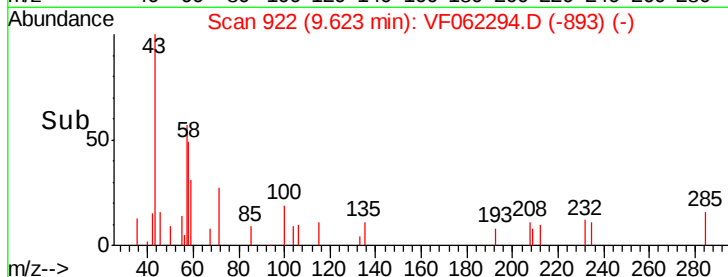
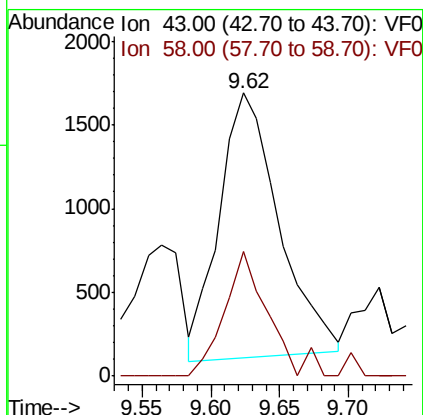
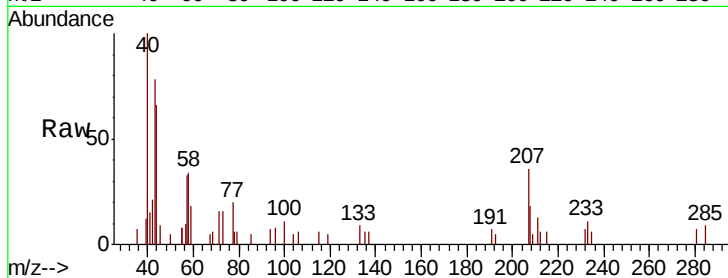




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

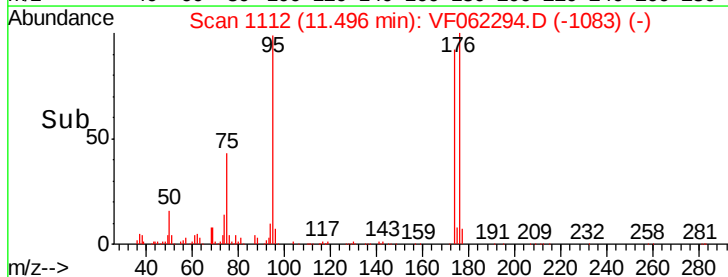
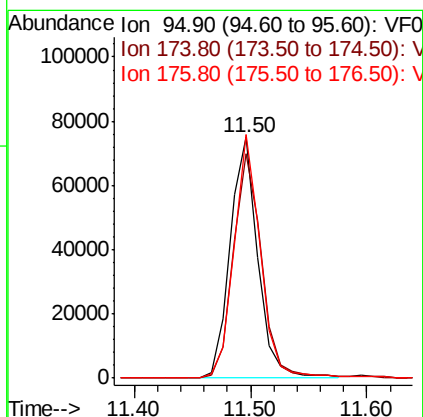
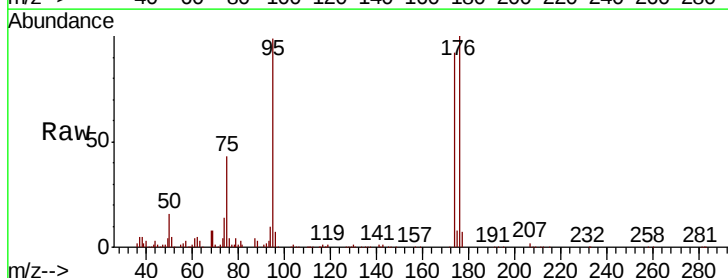
Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

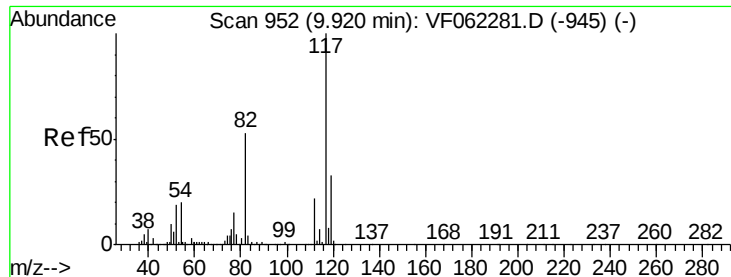
Tot Ion: 43 Resp: 4762
Ion Ratio Lower Upper
43 100
58 34.5 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 33.988 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion: 95 Resp: 123482
Ion Ratio Lower Upper
95 100
174 96.4 0.0 185.2
176 96.5 0.0 184.8

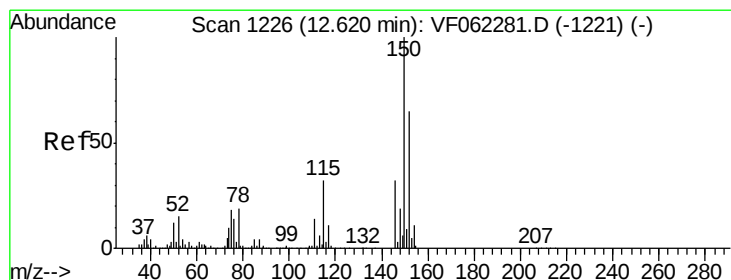
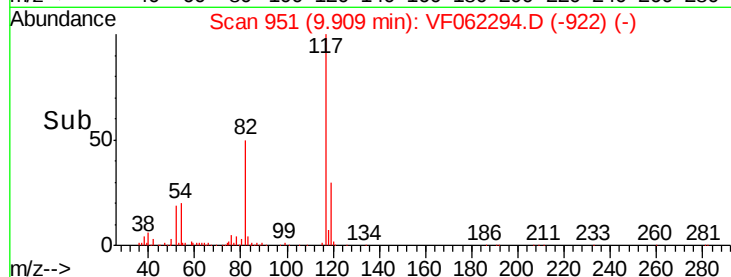
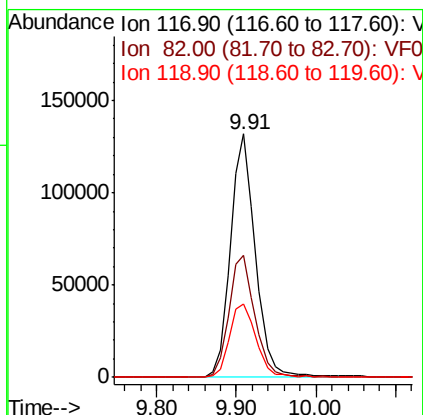
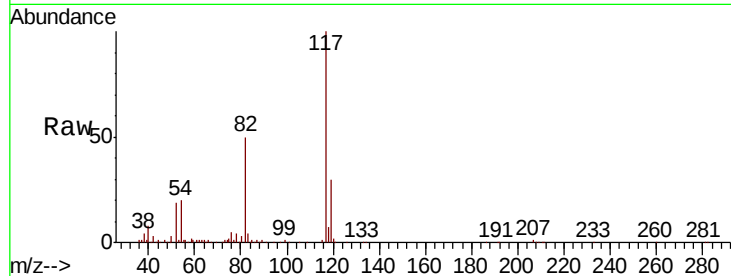




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

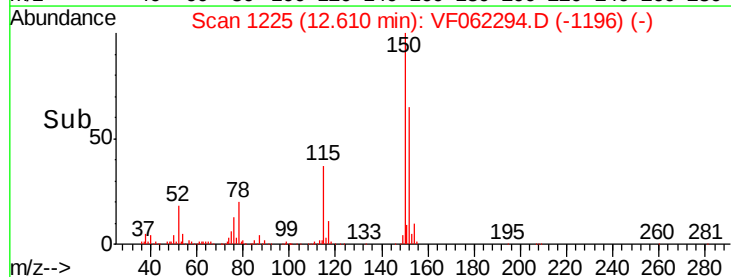
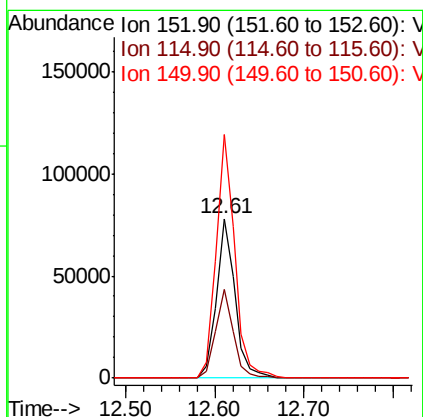
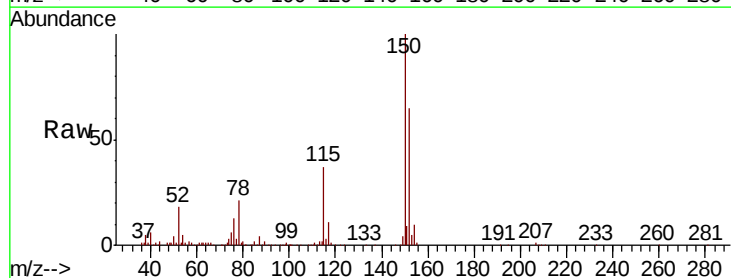
Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

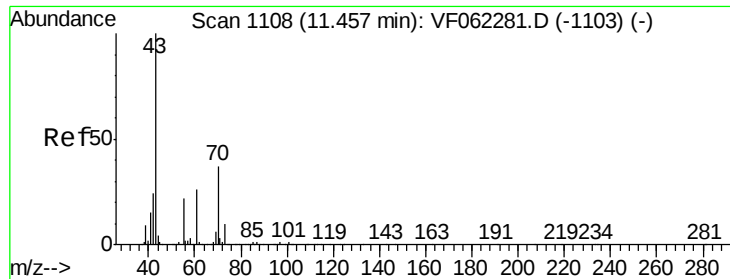
Tot Ion:117 Resp: 288412
Ion Ratio Lower Upper
117 100
82 50.1 42.6 64.0
119 30.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion:152 Resp: 113768
Ion Ratio Lower Upper
152 100
115 53.7 25.6 76.8
150 152.9 0.0 330.6

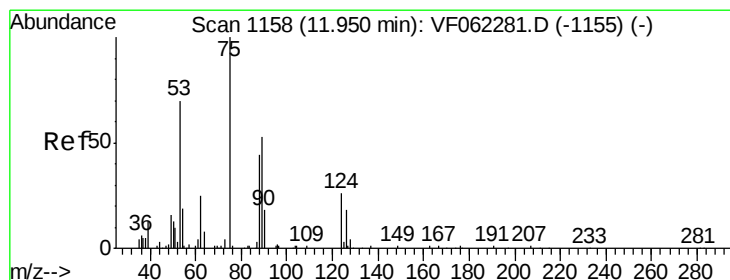
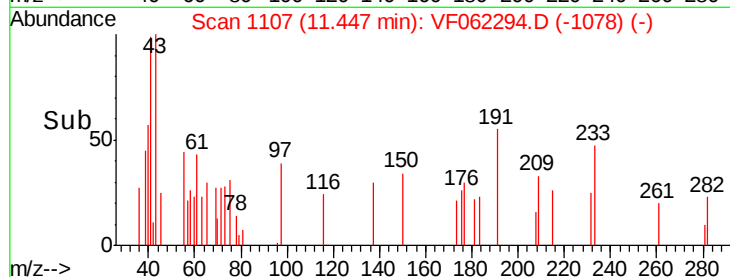
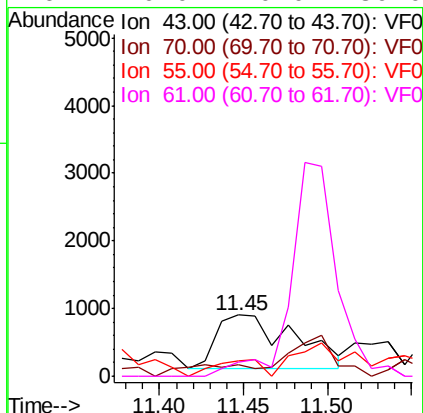
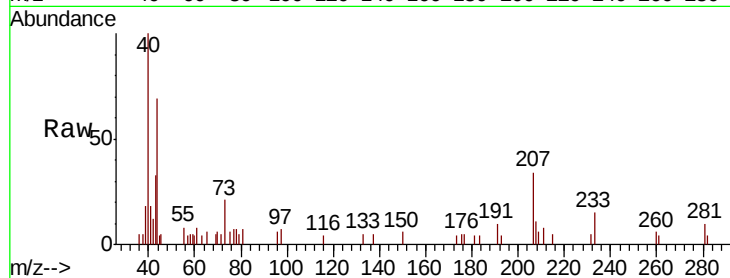




#74
N-amvl acetate
Concen: 1.445 ug/l
RT: 11.45 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

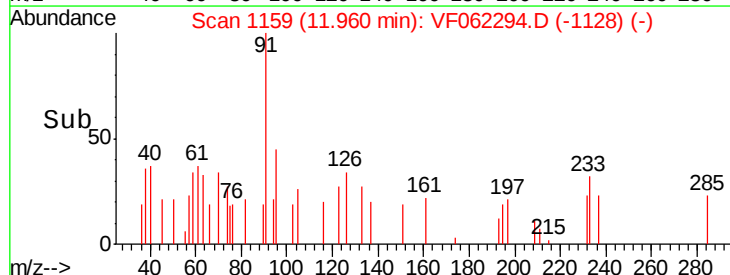
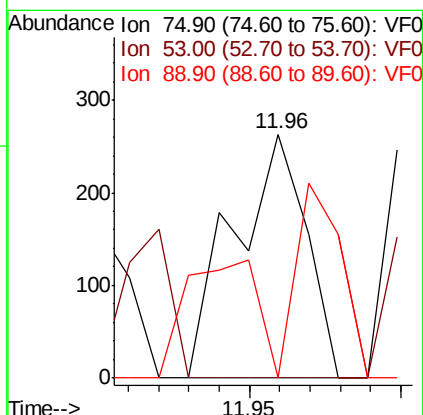
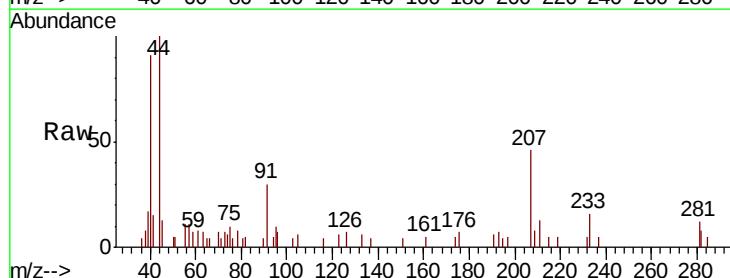
Instrument :
MSVOA_F
ClientSampleId :
RBR200034RE

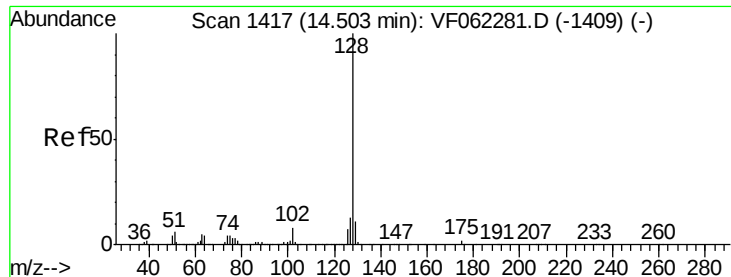
Tot Ion:	43	Resp:	2595
Ion	Ratio	Lower	Upper
43	100		
70	18.8	27.8	41.8#
55	17.6	16.6	24.8
61	0.0	20.0	30.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 1.102 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.01 min
Lab File: VF062294.D
Acq: 25 Apr 2019 16:14

Tgt Ion:	75	Resp:	433
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.1	100.7#
89	49.9	0.0	0.0#





#95
 Naphthalene
 Concen: 1.307 ug/l
 RT: 14.49 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VF062294.D
 Acq: 25 Apr 2019 16:14

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200034RE

Tot Ion:128 Resp: 5888
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.2 15.4
 129 14.0 8.9 13.3#

