

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061509.D
 Acq On : 24 Jan 2019 19:31
 Operator : VA/AP
 Sample : K1223-06RE
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-RRE

Quant Time: Jan 25 04:10:25 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	4.90	168	3495	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.62	114	4750	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	2123	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	377	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.74	65	66	1.53	ug/l	-0.09
Spiked Amount	50.000		Recovery	=	3.06%	
35) Dibromofluoromethane	4.14	113	1094	29.19	ug/l	0.04
Spiked Amount	50.000		Recovery	=	58.38%	
50) Toluene-d8	7.57	98	3601	35.07	ug/l	0.03
Spiked Amount	50.000		Recovery	=	70.14%	
62) 4-Bromofluorobenzene	11.44	95	243	5.06	ug/l	0.04
Spiked Amount	50.000		Recovery	=	10.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	88	1.281	ug/l #	38
3) Chloromethane	1.15	50	71	1.410	ug/l #	44
4) Vinyl Chloride	1.19	62	69	1.540	ug/l #	43
5) Bromomethane	1.32	94	607	20.782	ug/l #	2
6) Chloroethane	1.42	64	62	3.124	ug/l #	1
8) Diethyl Ether	1.76	74	70	6.274	ug/l	87
12) 1,1-Dichloroethene	1.82	96	62	1.995	ug/l #	1
13) Acrolein	1.91	56	616	385.701	ug/l	94
14) Allyl chloride	2.11	41	638	11.051	ug/l #	47
15) Acrylonitrile	2.88	53	377	80.581	ug/l #	34
16) Acetone	2.20	43	475	54.872	ug/l #	61
18) Methyl Acetate	2.37	43	1306	76.076	ug/l	97
19) Methyl tert-butyl Ether	2.48	73	173	2.483	ug/l #	59
20) Methylene Chloride	2.21	84	117	2.305	ug/l #	1
21) trans-1,2-Dichloroethene	2.34	96	157	4.591	ug/l #	1
22) Diisopropyl ether	2.80	45	488	4.412	ug/l #	31
23) Vinyl Acetate	3.14	43	297	9.220	ug/l #	78
24) 1,1-Dichloroethane	2.88	63	83	1.195	ug/l #	85
25) 2-Butanone	4.34	43	339	23.549	ug/l #	57
26) 2,2-Dichloropropane	3.64	77	134	3.141	ug/l #	61
29) Tetrahydrofuran	4.08	42	363	58.562	ug/l #	38
32) 1,1,1-Trichloroethane	4.03	97	77	1.121	ug/l #	22
37) Ethyl Acetate	4.06	43	174	7.904	ug/l #	5
38) Carbon Tetrachloride	3.89	117	66	1.371	ug/l #	11
41) Methacrylonitrile	4.75	41	224	19.122	ug/l #	29
43) Isopropyl Acetate	7.01	43	60	2.172	ug/l #	51
48) Methyl methacrylate	6.70	41	179	9.648	ug/l #	19
51) 4-Methyl-2-Pentanone	8.30	43	86	4.234	ug/l #	39
53) t-1,3-Dichloropropene	8.23	75	65	1.547	ug/l #	44
56) Ethyl methacrylate	8.65	69	70	2.625	ug/l #	21
58) 2-Chloroethyl Vinyl ether	7.40	63	62	47.252	ug/l #	47
59) 2-Hexanone	9.49	43	208	14.685	ug/l #	26
64) Tetrachloroethene	8.17	164	61	3.821	ug/l #	1
73) Isopropylbenzene	11.07	105	62	2.022	ug/l #	50

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

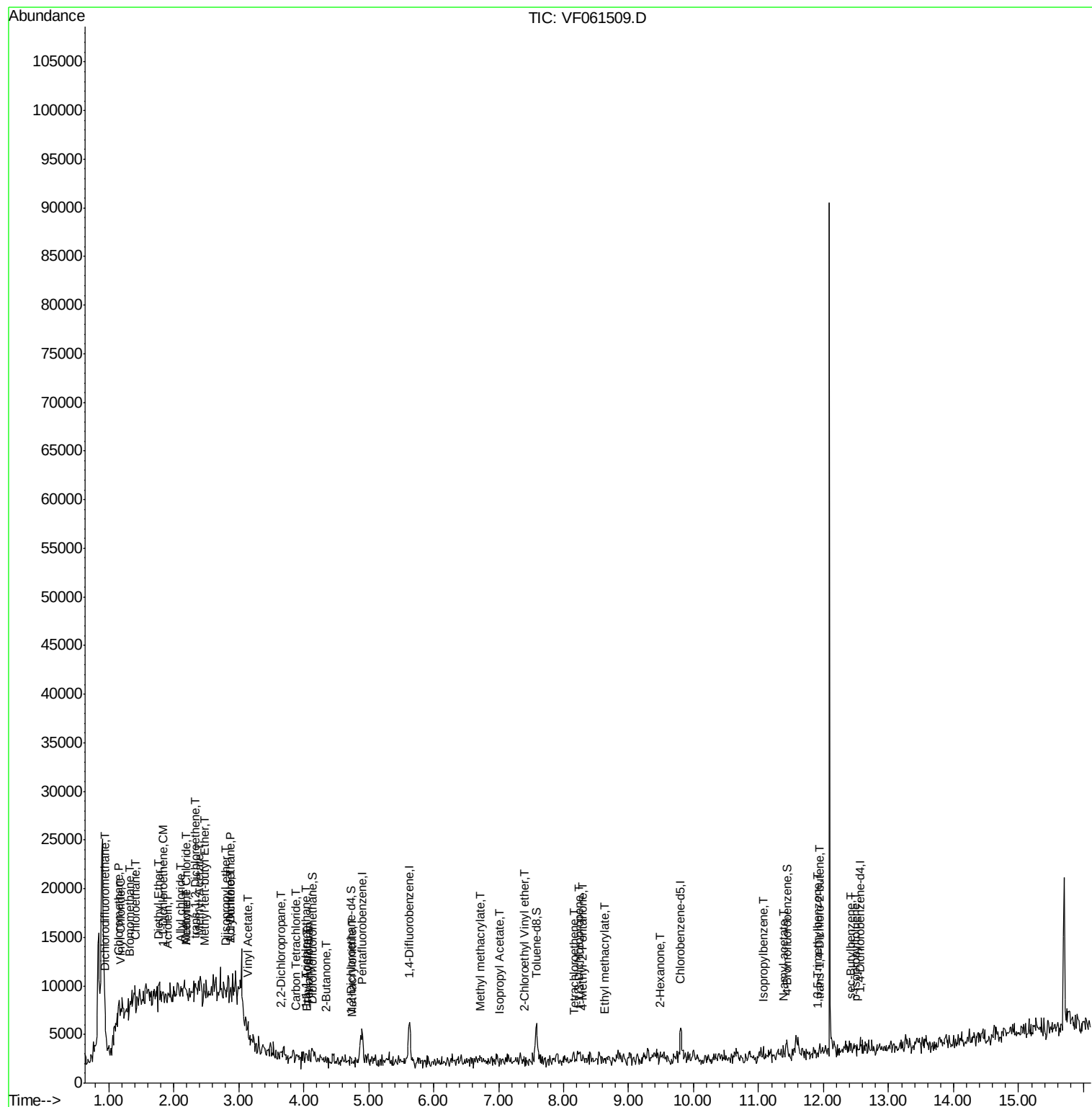
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	11.37	43	331	45.652	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.90	105	104	4.203	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.95	75	63	36.924	ug/l #	19
85) sec-Butylbenzene	12.44	105	60	1.725	ug/l #	56
86) p-Isopropyltoluene	12.49	119	74	2.592	ug/l #	50

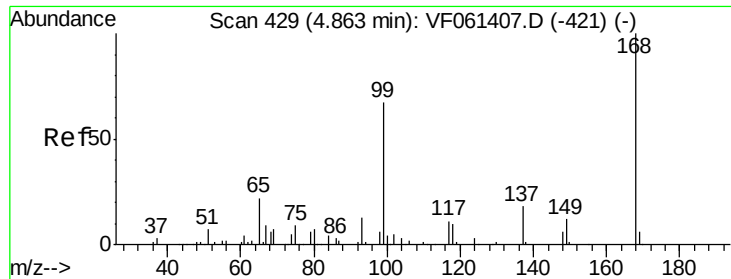
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.04 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

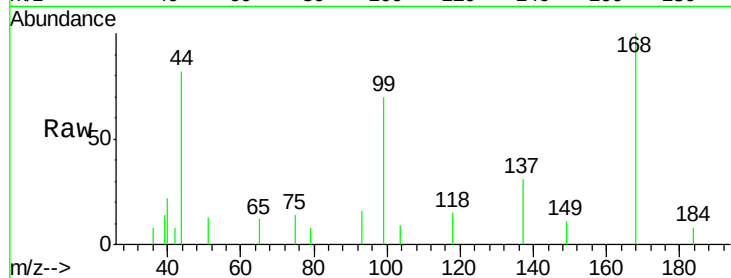
TS-RRE

Tot Ion:168 Resp: 3495

Ion Ratio Lower Upper

168 100

99 69.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

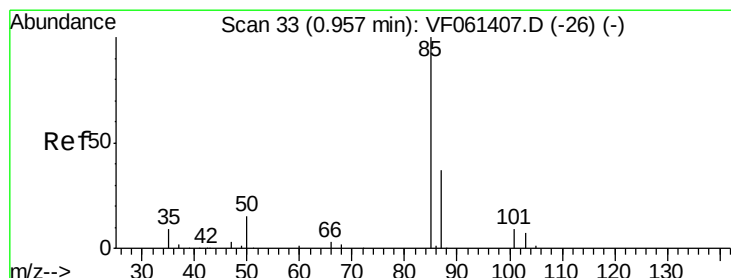
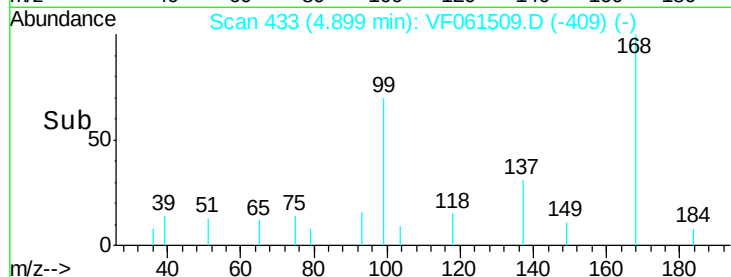
4.90

1000

500

0

Time--> 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 1.281 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061509.D

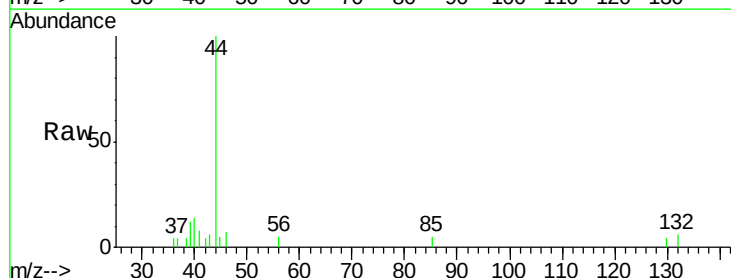
Acq: 24 Jan 2019 19:31

Tgt Ion: 85 Resp: 88

Ion Ratio Lower Upper

85 100

87 0.0 18.4 55.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

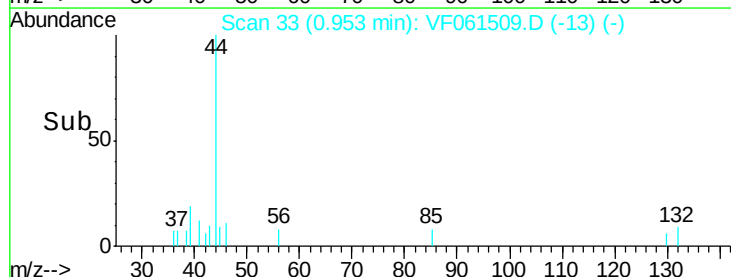
150

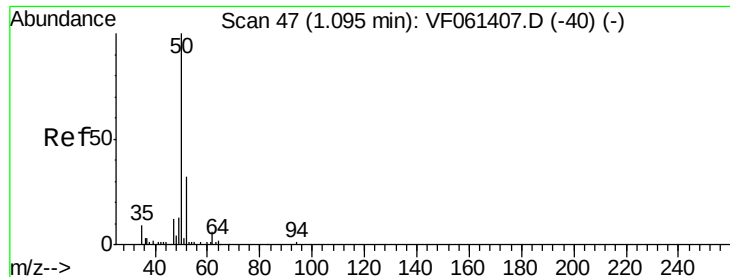
100

50

0

Time--> 0.92 0.94 0.96 0.98





#3

Chloromethane

Concen: 1.410 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.06 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

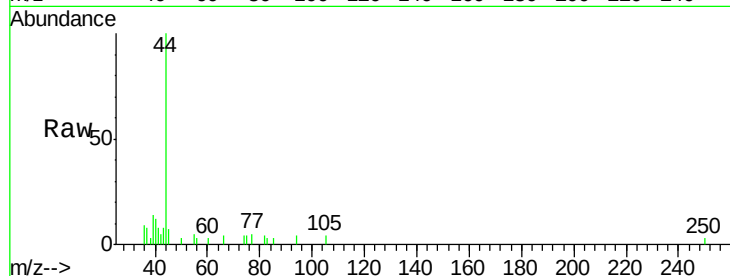
TS-RRE

Tot Ion: 50 Resp: 71

Ion Ratio Lower Upper

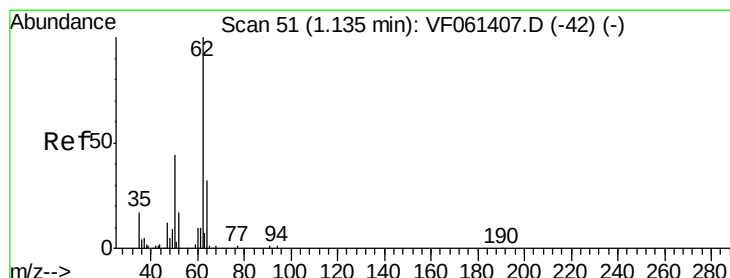
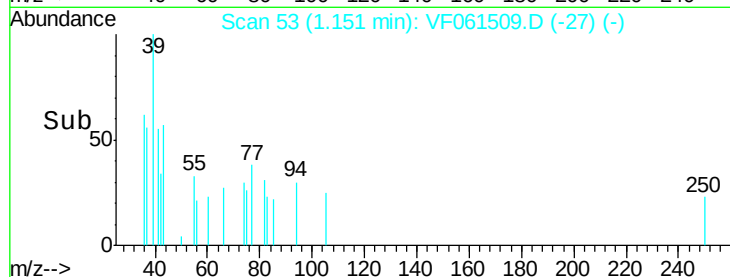
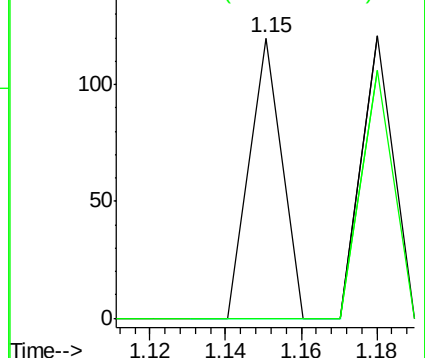
50 100

52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 1.540 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.06 min

Lab File: VF061509.D

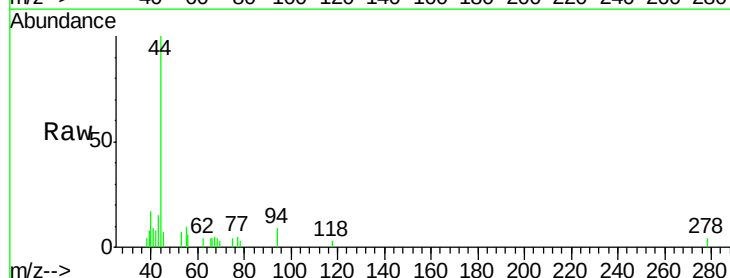
Acq: 24 Jan 2019 19:31

Tgt Ion: 62 Resp: 69

Ion Ratio Lower Upper

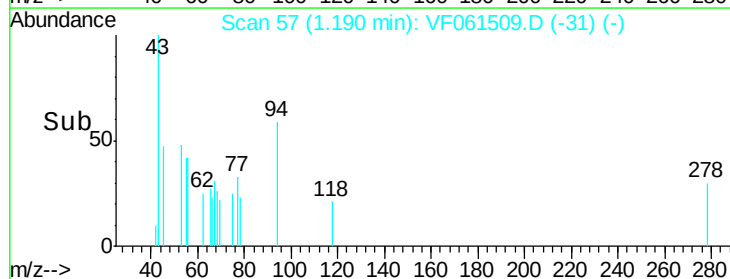
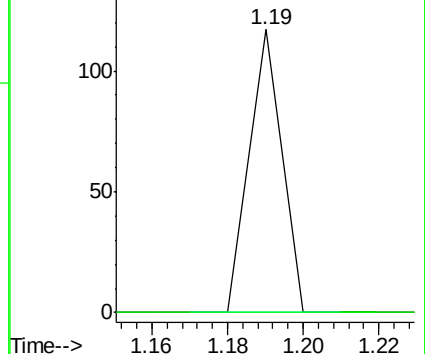
62 100

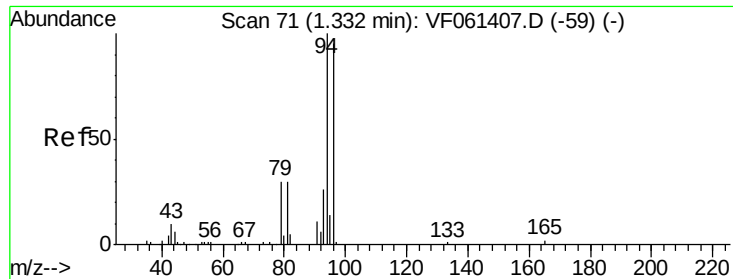
64 0.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.782 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

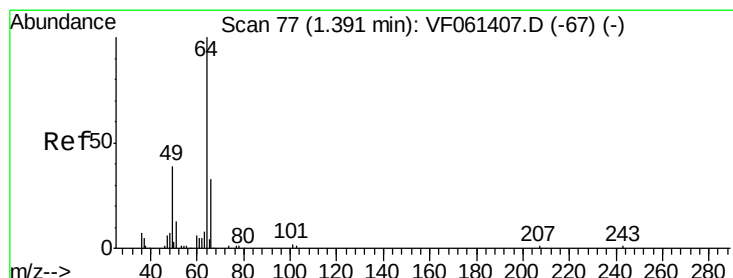
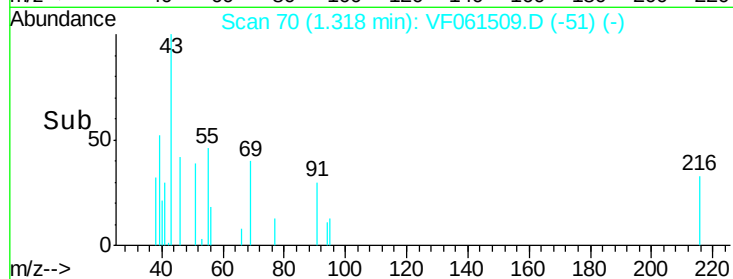
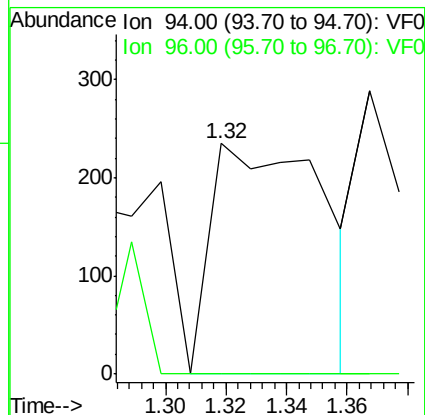
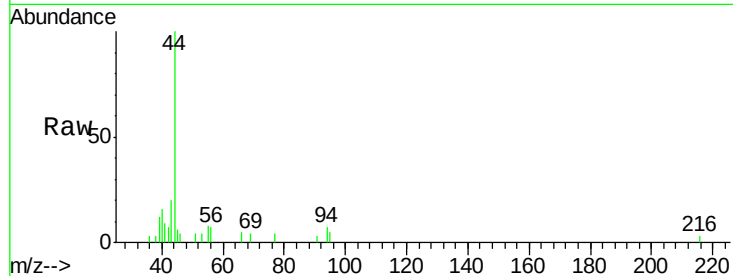
TS-RRE

Tot Ion: 94 Resp: 607

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: 3.124 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.03 min

Lab File: VF061509.D

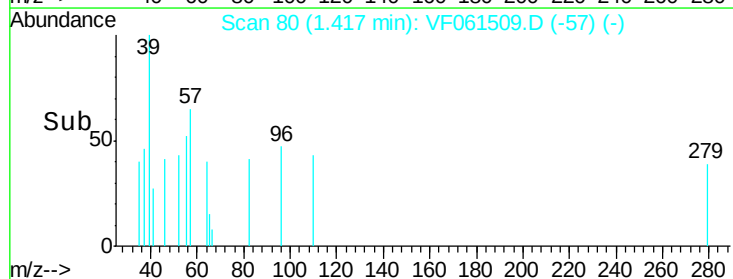
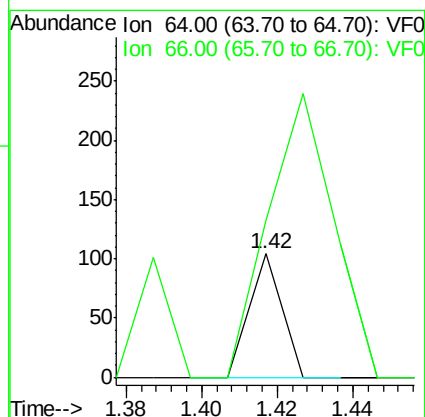
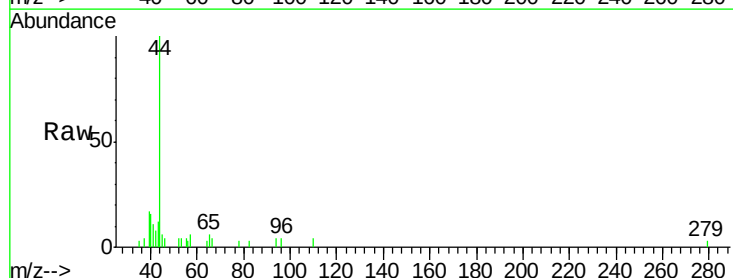
Acq: 24 Jan 2019 19:31

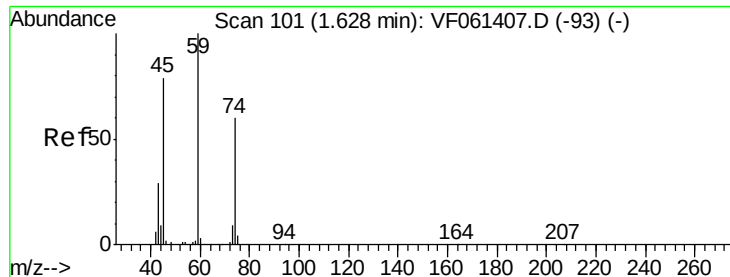
Tgt Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 127.9 26.6 40.0#





#8

Diethyl Ether

Concen: 6.274 ug/l

RT: 1.76 min Scan# 115

Delta R.T. 0.13 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampled :

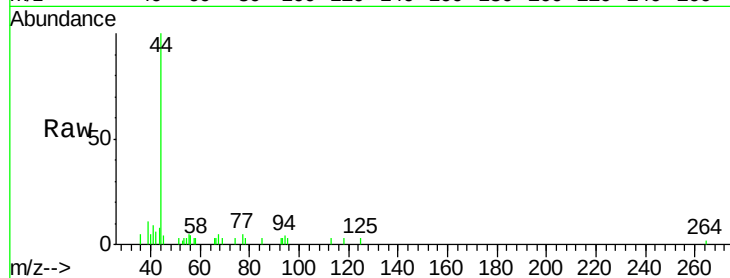
TS-RRE

Tot Ion: 74 Resp: 70

Ion Ratio Lower Upper

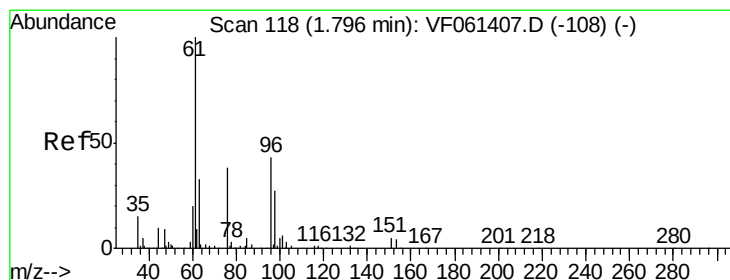
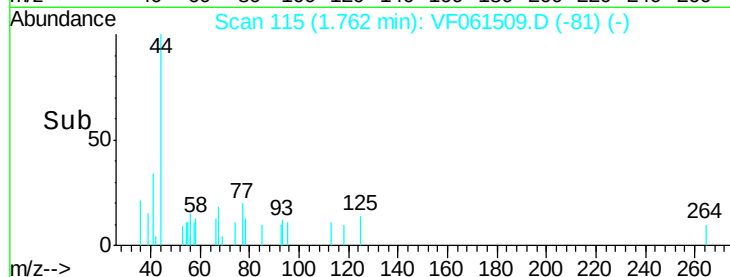
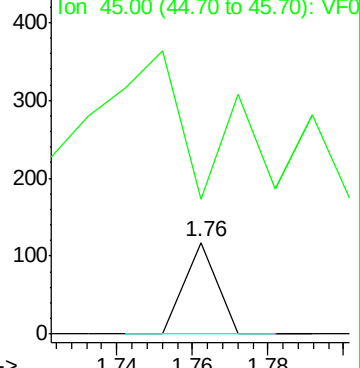
74 100

45 146.6 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#12

1,1-Dichloroethene

Concen: 1.995 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.03 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

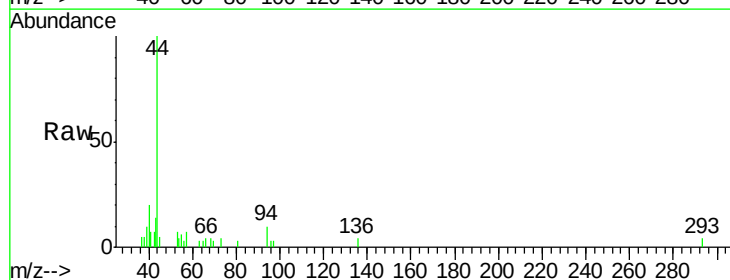
Tgt Ion: 96 Resp: 62

Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

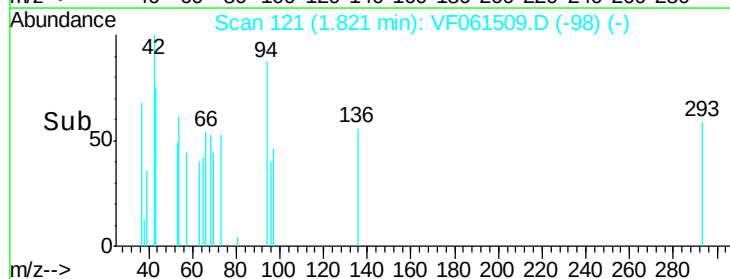
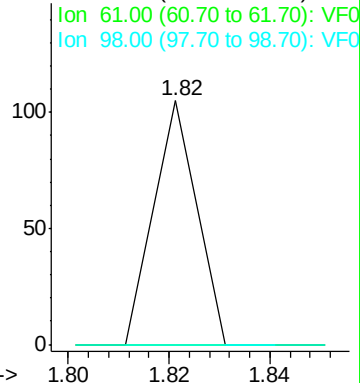
98 0.0 53.0 79.4#

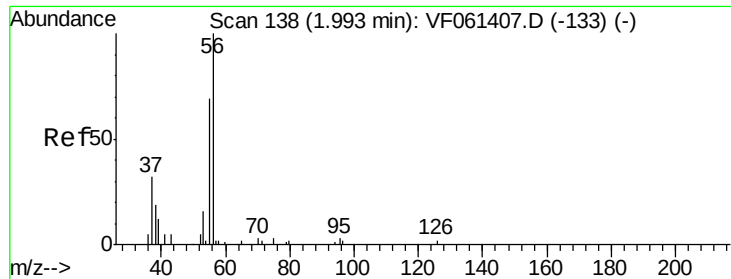


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#13

Acrolein

Concen: 385.701 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.08 min

Lab File: VF061509.D

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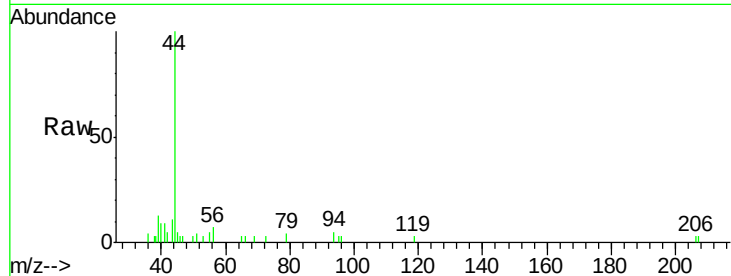
TS-RRE

Tot Ion: 56 Resp: 616

Ion Ratio Lower Upper

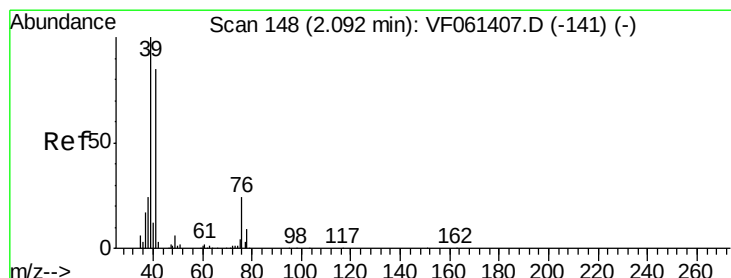
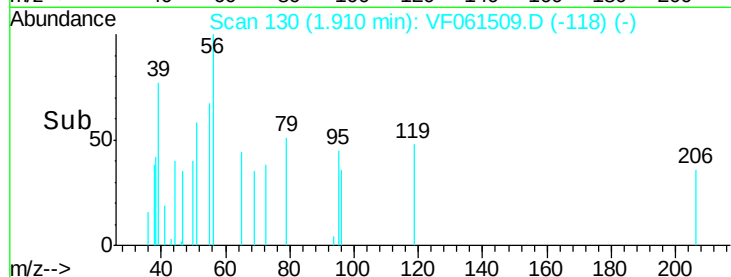
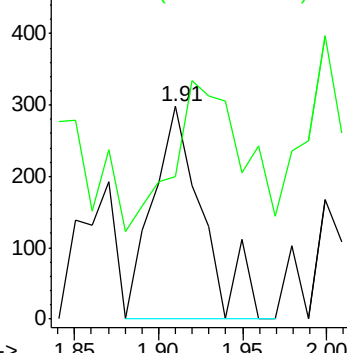
56 100

55 67.1 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 11.051 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

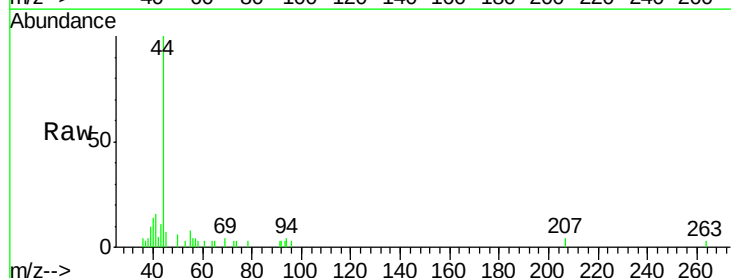
Tgt Ion: 41 Resp: 638

Ion Ratio Lower Upper

41 100

39 60.7 94.6 141.8#

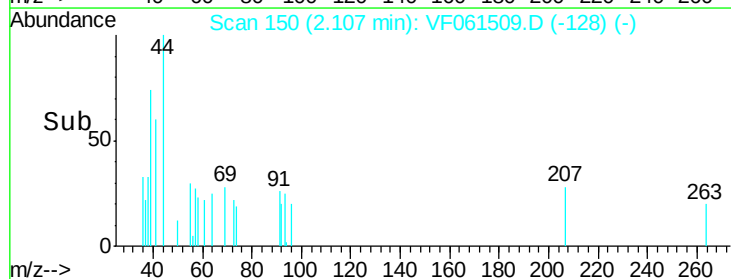
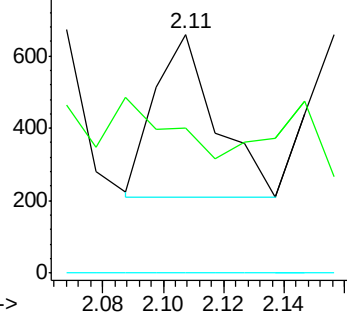
76 0.0 25.9 38.9#

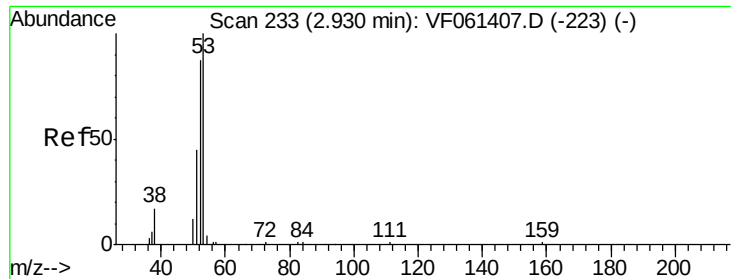


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 80.581 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.05 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

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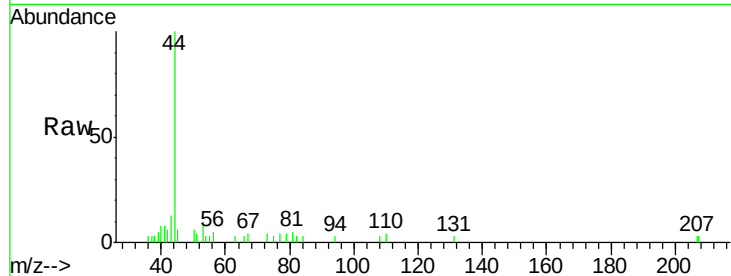
Tot Ion: 53 Resp: 377

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

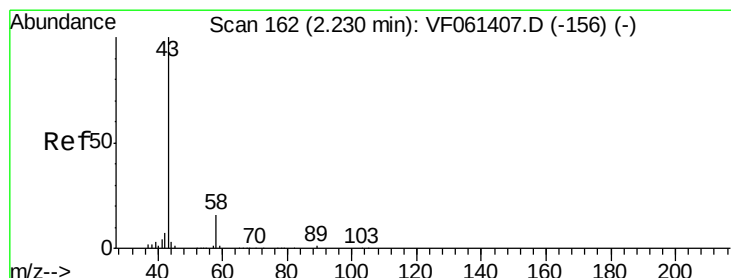
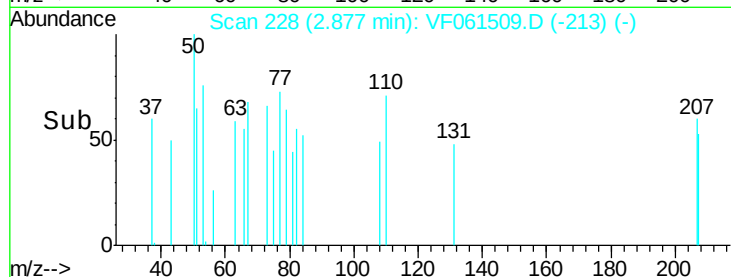
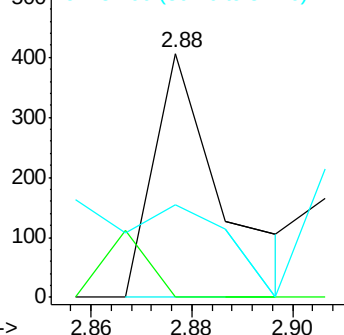
51 38.2 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 54.872 ug/l

RT: 2.20 min Scan# 159

Delta R.T. -0.03 min

Lab File: VF061509.D

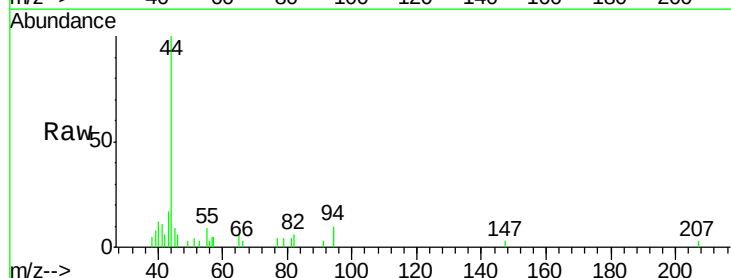
Acq: 24 Jan 2019 19:31

Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

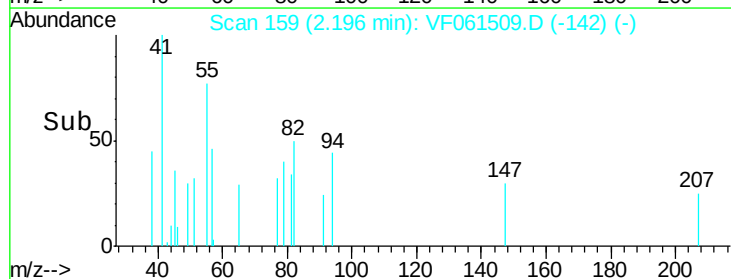
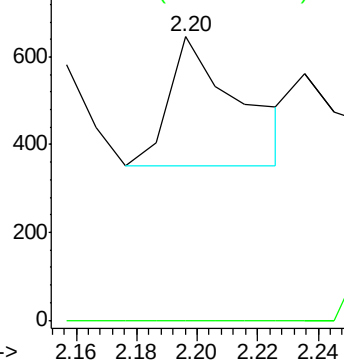
43 100

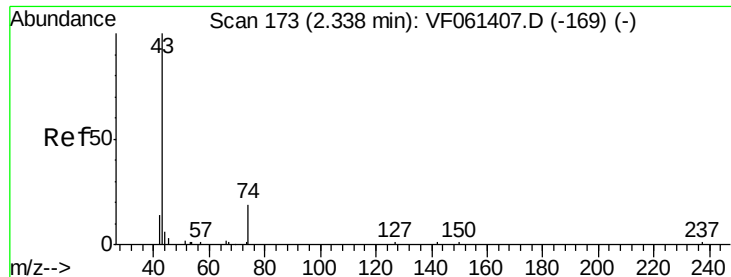
58 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

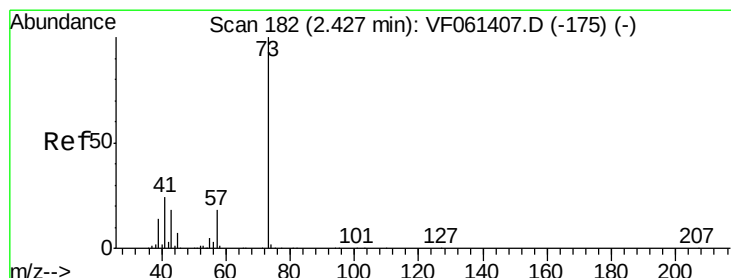
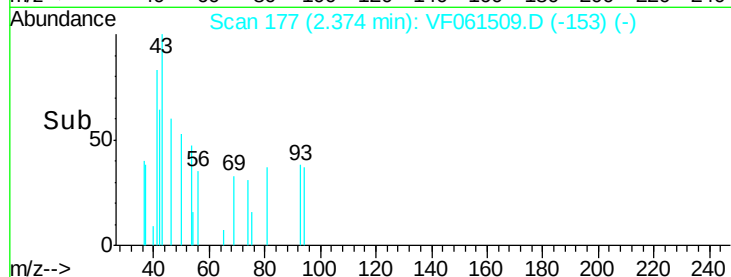
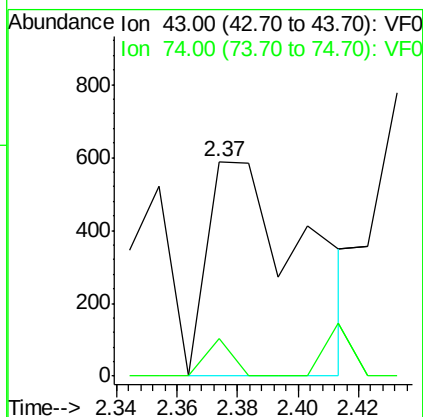
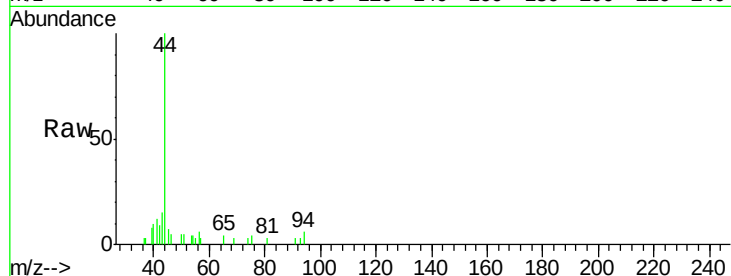




#18
Methyl Acetate
Concen: 76.076 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.04 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

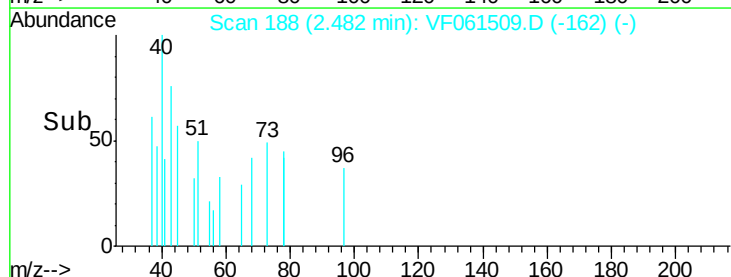
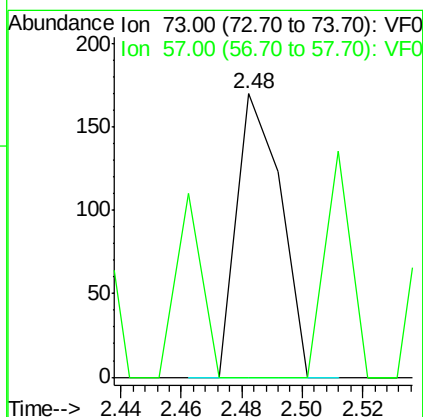
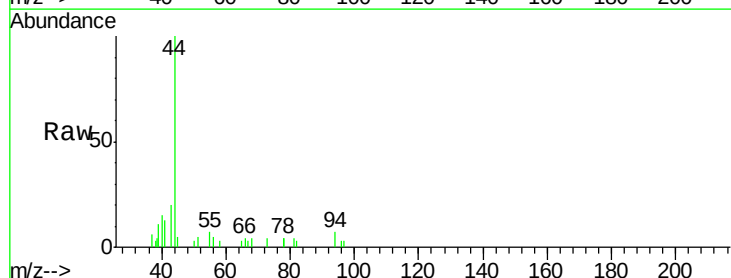
Instrument :
MSVOA_F
ClientSampleId :
TS-RRE

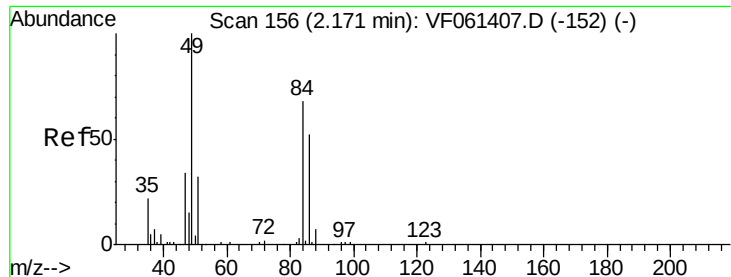
Tot Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
74 17.8 13.4 20.0



#19
Methyl tert-butyl Ether
Concen: 2.483 ug/l
RT: 2.48 min Scan# 188
Delta R.T. 0.06 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

Tgt Ion: 73 Resp: 173
Ion Ratio Lower Upper
73 100
57 0.0 14.8 22.2#

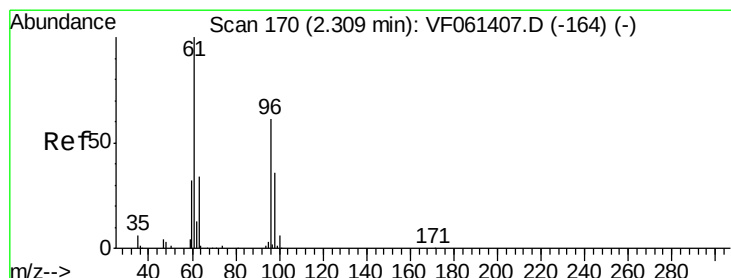
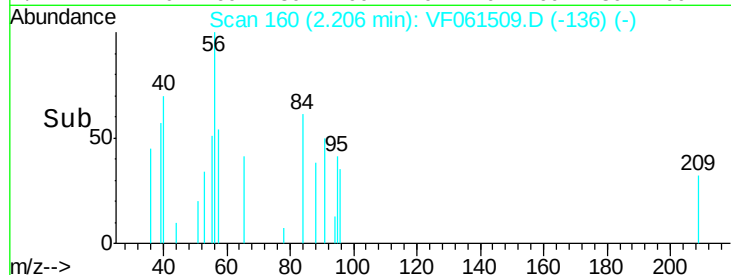
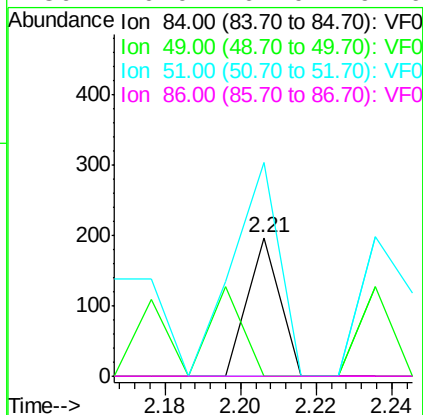
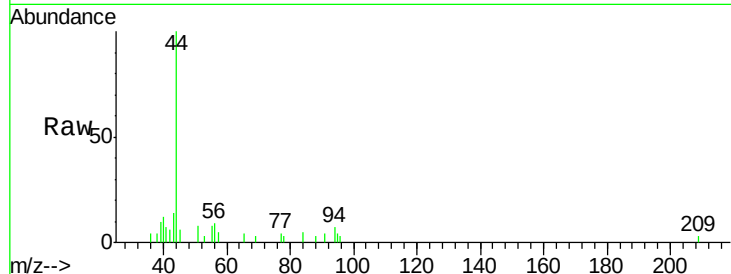




#20
Methylene Chloride
Concen: 2.305 ug/l
RT: 2.21 min Scan# 160
Delta R.T. 0.04 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

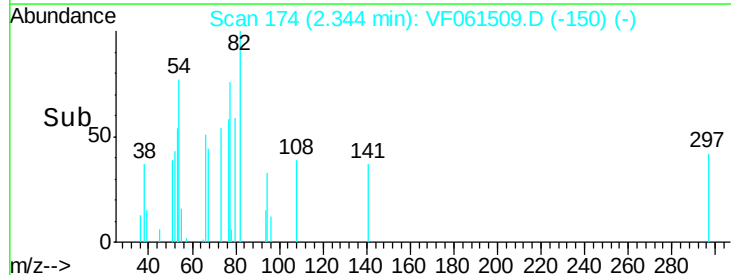
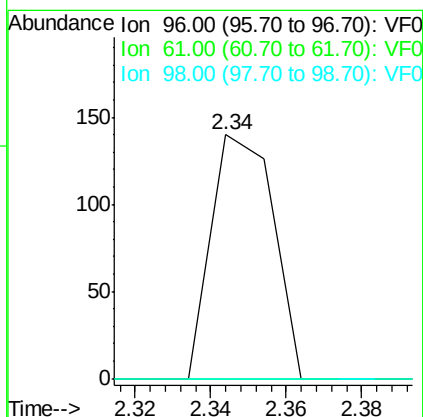
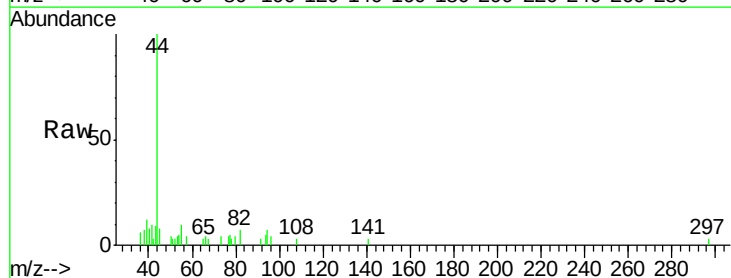
Instrument :
MSVOA_F
ClientSampled :
TS-RRE

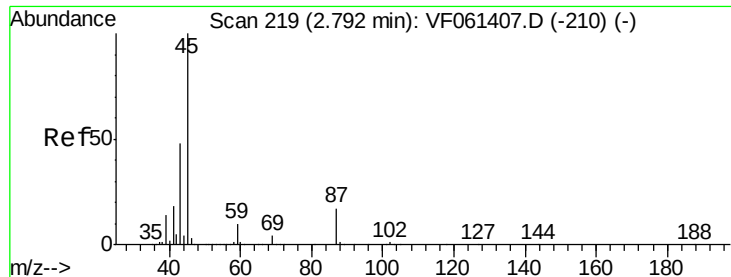
Tot Ion: 84 Resp: 117
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 153.8 38.6 58.0#
86 0.0 61.0 91.6#



#21
trans-1,2-Dichloroethene
Concen: 4.591 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.04 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

Tgt Ion: 96 Resp: 157
Ion Ratio Lower Upper
96 100
61 0.0 131.8 197.8#
98 0.0 47.4 71.0#





#22

Diisopropyl ether

Concen: 4.412 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

Tot Ion: 45 Resp: 488

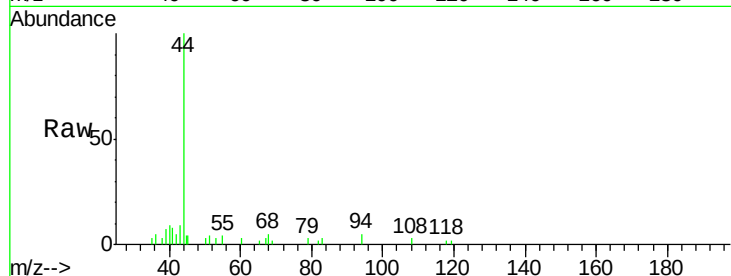
Ion Ratio Lower Upper

45 100

43 108.8 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#



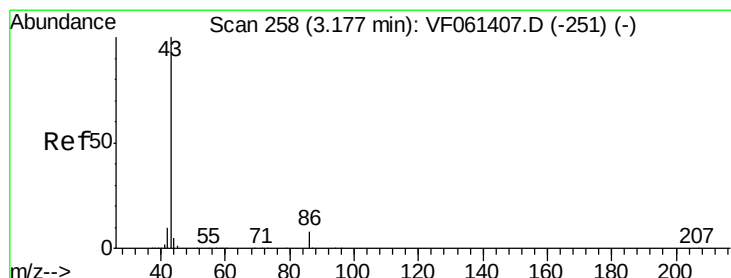
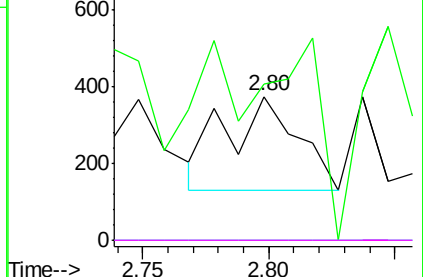
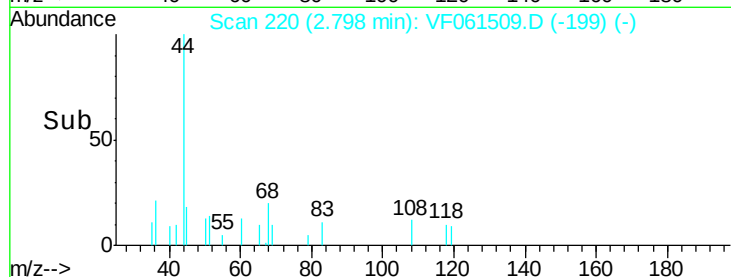
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

Time-->



#23

Vinyl Acetate

Concen: 9.220 ug/l

RT: 3.14 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF061509.D

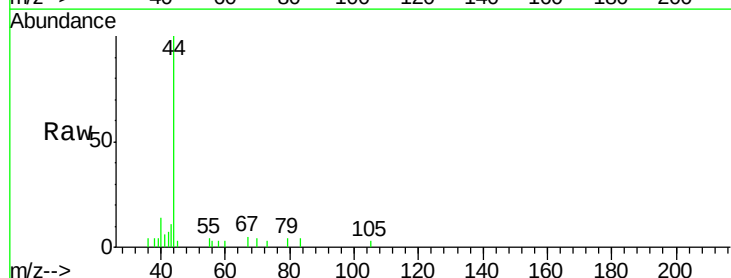
Acq: 24 Jan 2019 19:31

Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

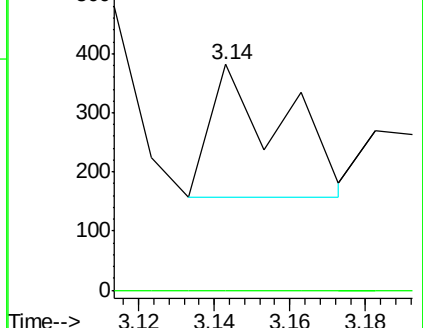
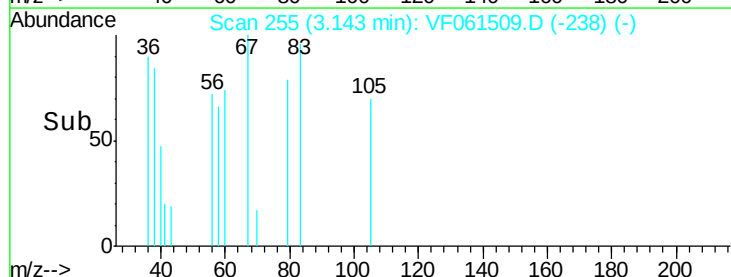
86 0.0 6.2 9.4#

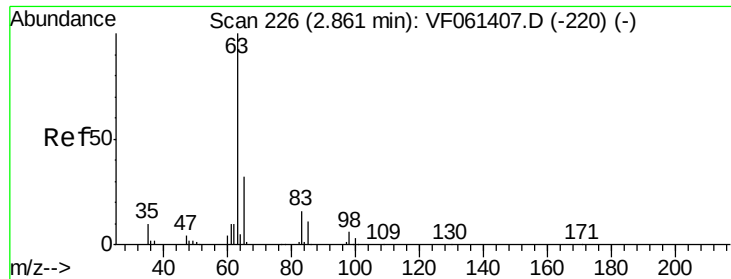


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

Time-->





#24

1,1-Dichloroethane

Concen: 1.195 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.02 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

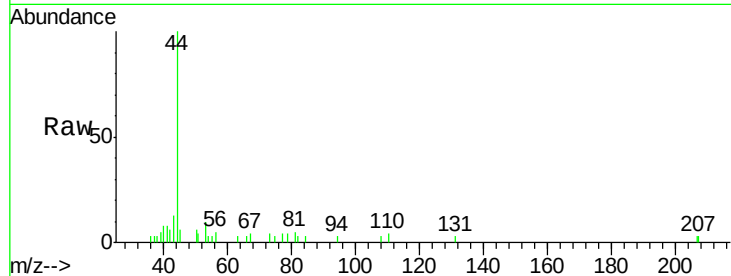
Tot Ion: 63 Resp: 83

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

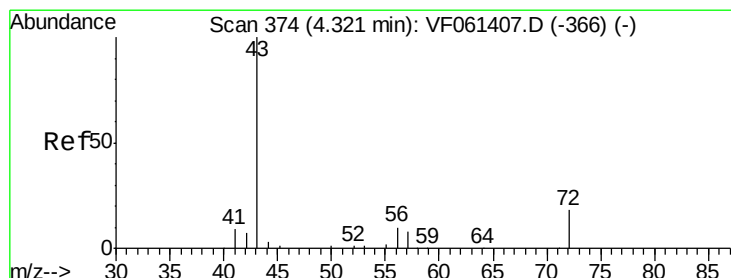
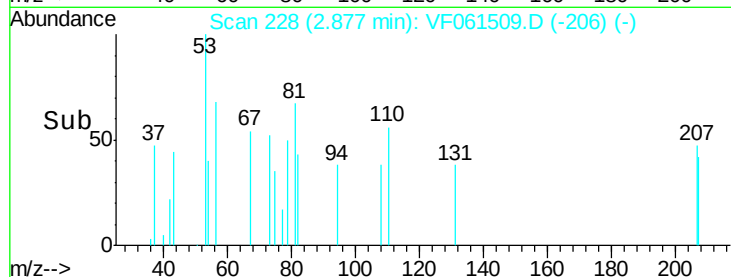
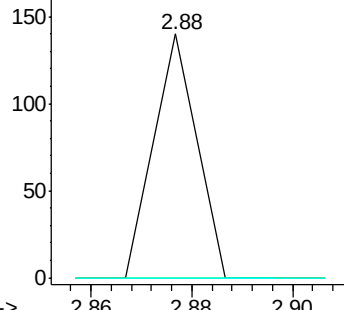
100 0.0 1.6 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 23.549 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061509.D

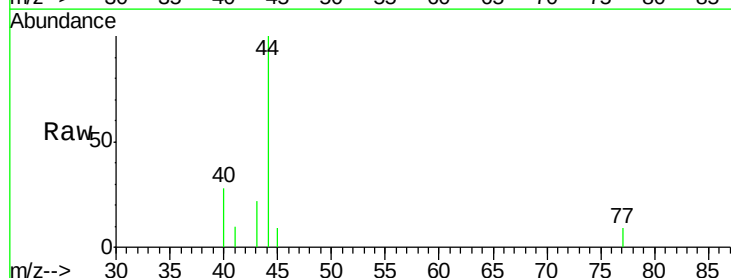
Acq: 24 Jan 2019 19:31

Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

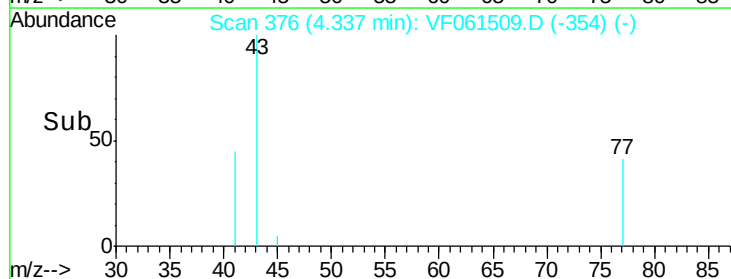
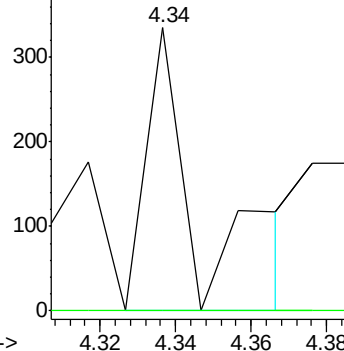
43 100

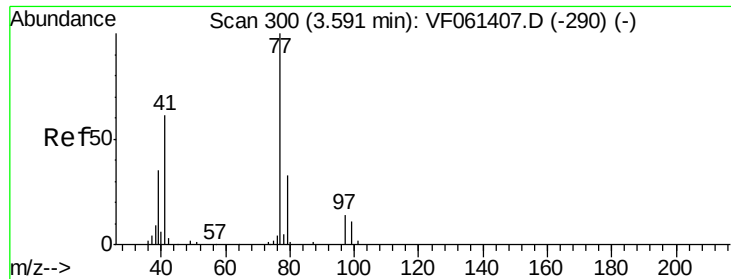
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

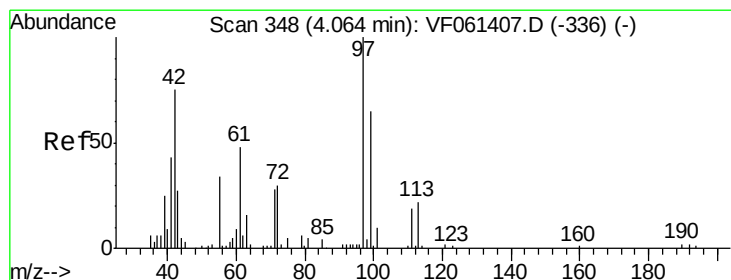
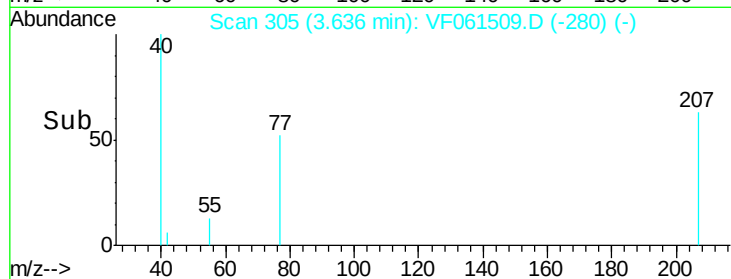
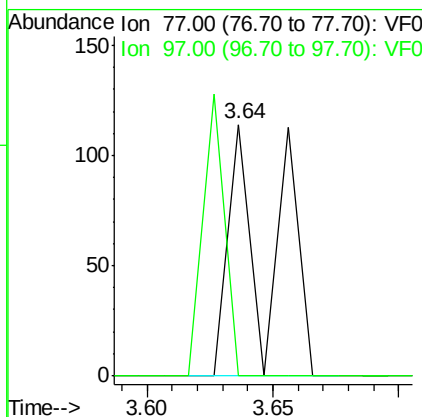
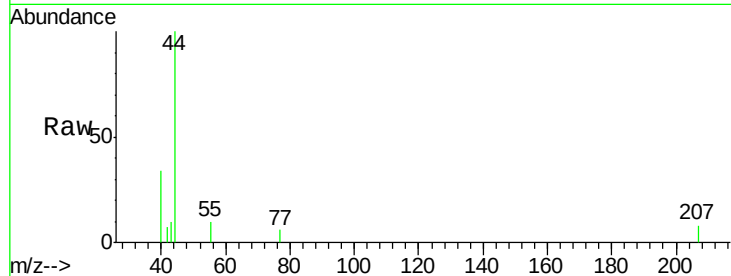




#26
 2,2-Dichloropropane
 Concen: 3.141 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. 0.05 min
 Lab File: VF061509.D
 Acq: 24 Jan 2019 19:31

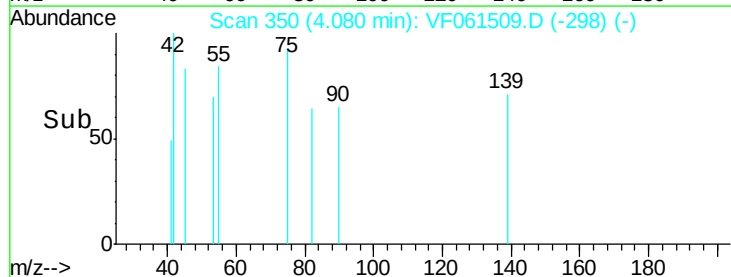
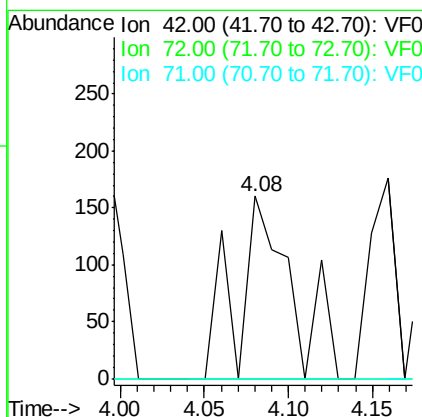
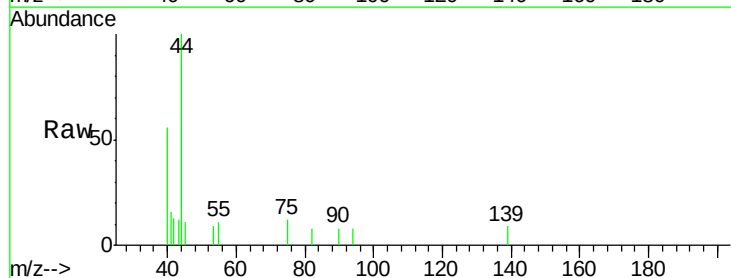
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-RRE

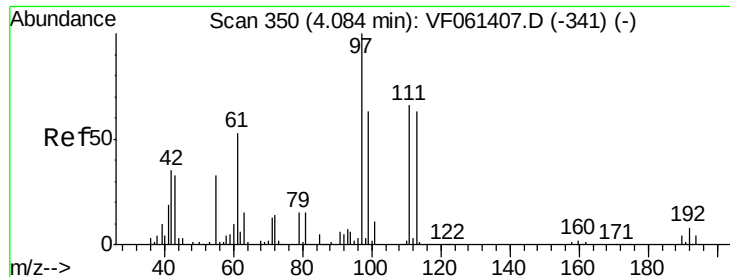
Tot Ion: 77 Resp: 134
 Ion Ratio Lower Upper
 77 100
 97 0.0 8.5 25.5#



#29
 Tetrahydrofuran
 Concen: 58.562 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. 0.02 min
 Lab File: VF061509.D
 Acq: 24 Jan 2019 19:31

Tgt Ion: 42 Resp: 363
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.9 43.3#
 71 0.0 29.6 44.4#





#32

1,1,1-Trichloroethane

Concen: 1.121 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.05 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

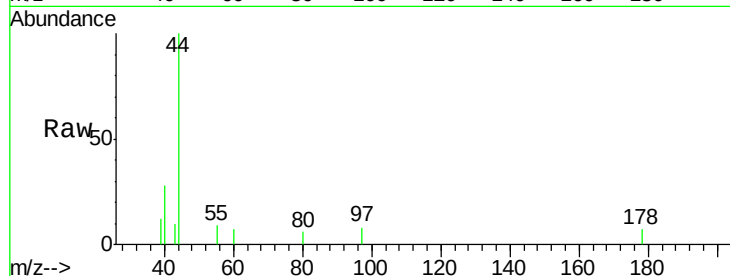
Tot Ion: 97 Resp: 77

Ion Ratio Lower Upper

97 100

99 0.0 50.1 75.1#

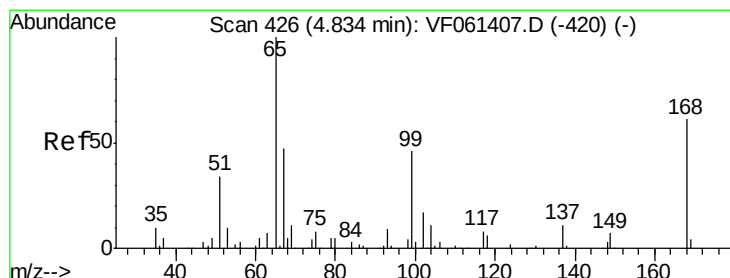
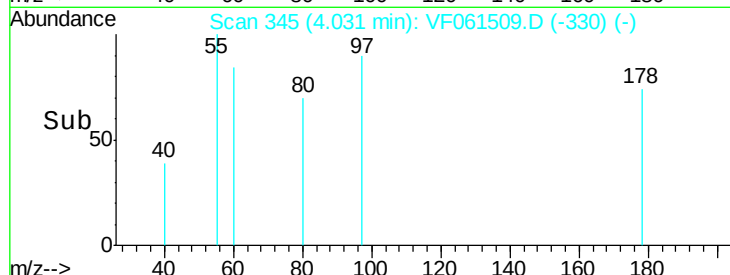
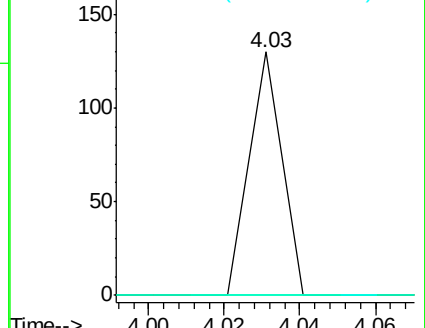
61 0.0 43.1 64.7#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 1.530 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.09 min

Lab File: VF061509.D

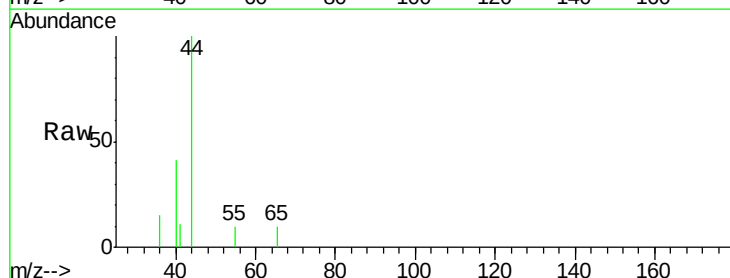
Acq: 24 Jan 2019 19:31

Tgt Ion: 65 Resp: 66

Ion Ratio Lower Upper

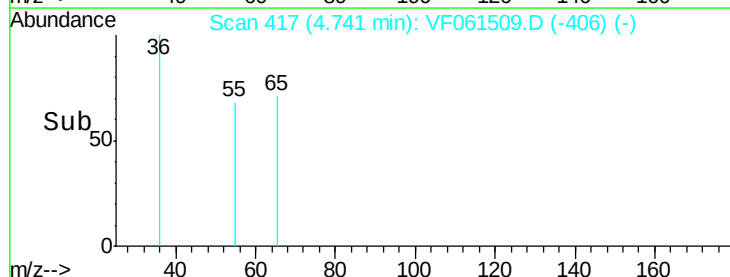
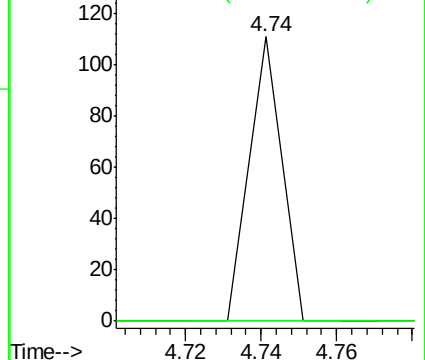
65 100

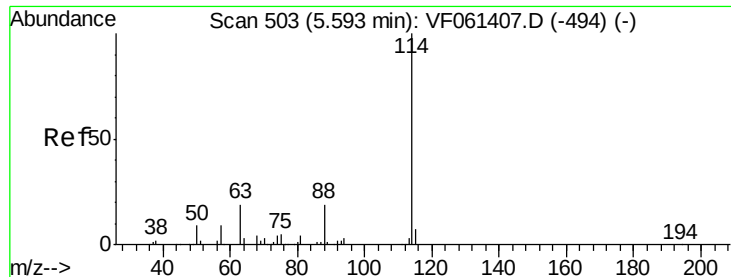
67 0.0 0.0 99.8



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: 5.62 min Scan# 506

Delta R.T. 0.03 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

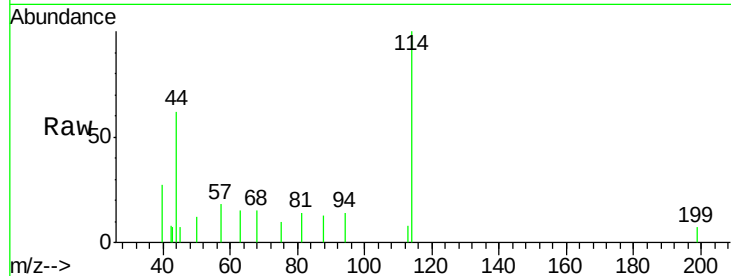
Tot Ion:114 Resp: 4750

Ion Ratio Lower Upper

114 100

63 14.9 0.0 39.0

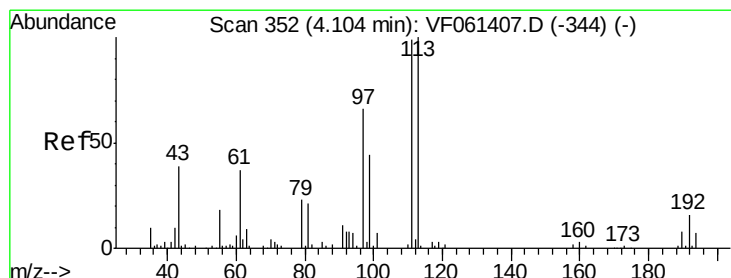
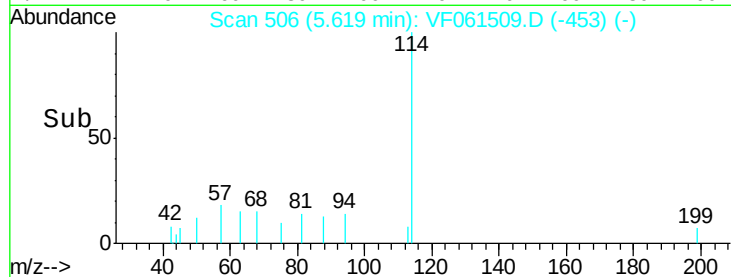
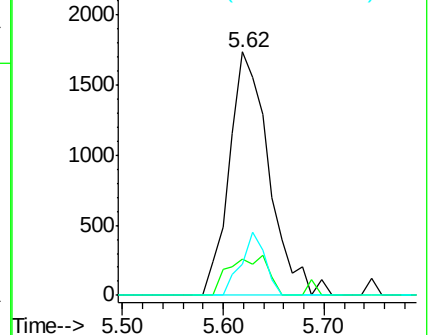
88 12.9 0.0 37.4



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: 29.188 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.04 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

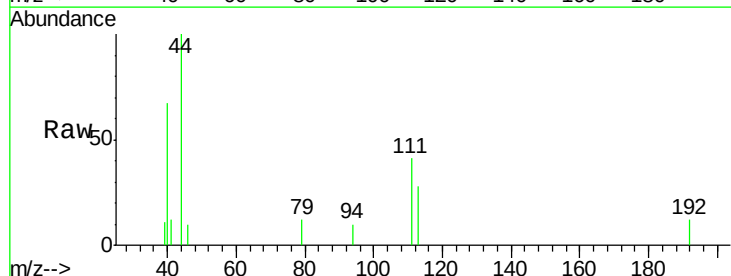
Tgt Ion:113 Resp: 1094

Ion Ratio Lower Upper

113 100

111 146.5 79.4 119.0#

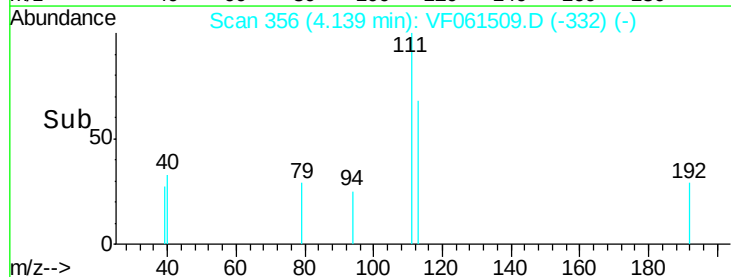
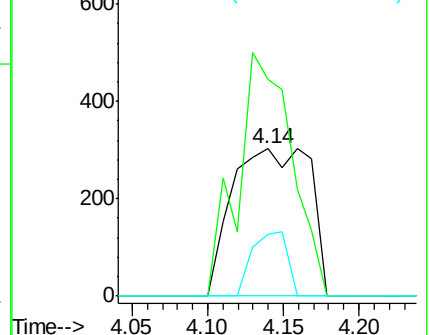
192 41.9 12.4 18.6#

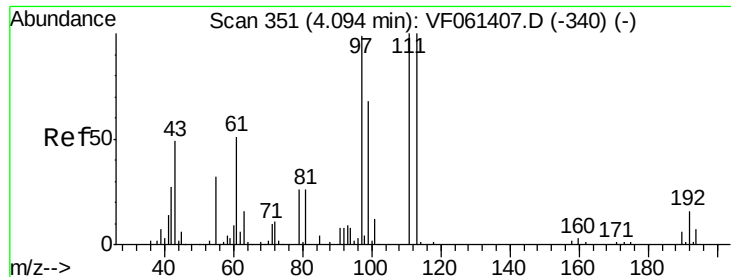


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 7.904 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

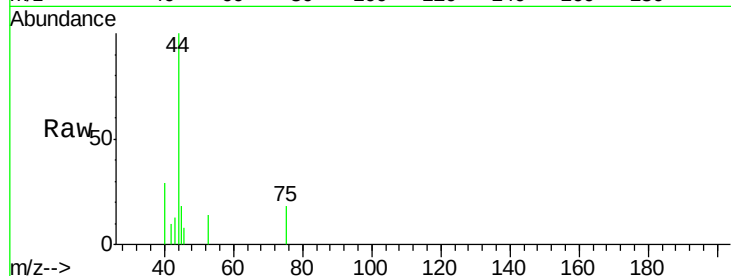
Tot Ion: 43 Resp: 174

Ion Ratio Lower Upper

43 100

61 0.0 81.7 122.5#

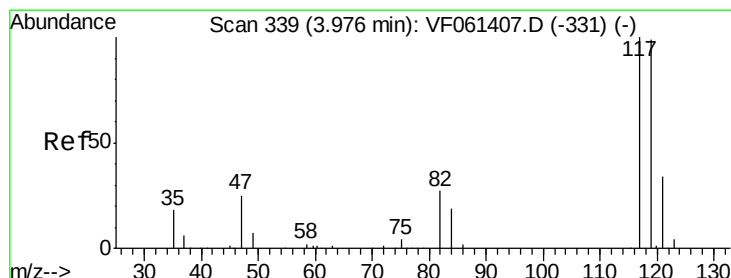
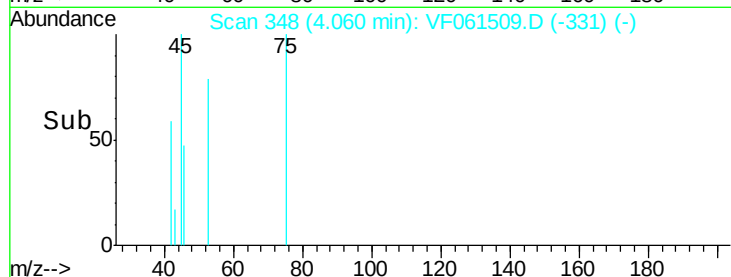
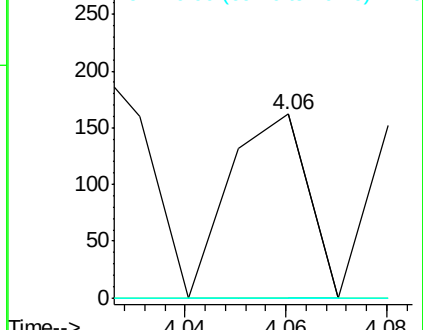
70 0.0 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 1.371 ug/l

RT: 3.89 min Scan# 331

Delta R.T. -0.08 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

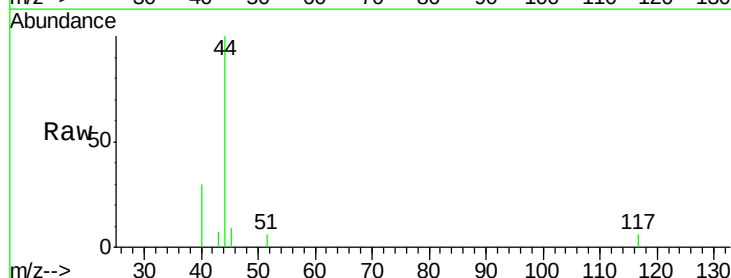
Tgt Ion: 117 Resp: 66

Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

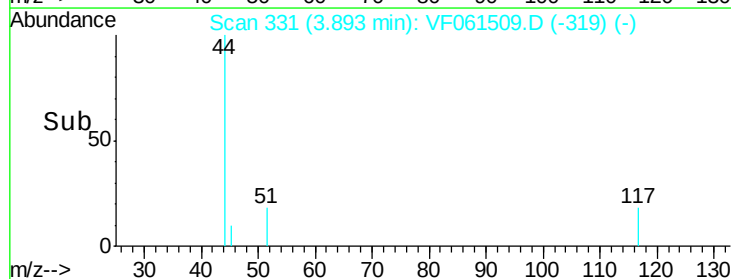
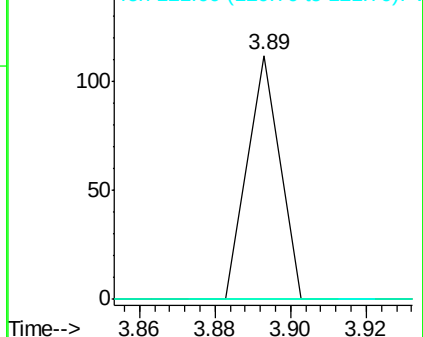
121 0.0 27.0 40.6#

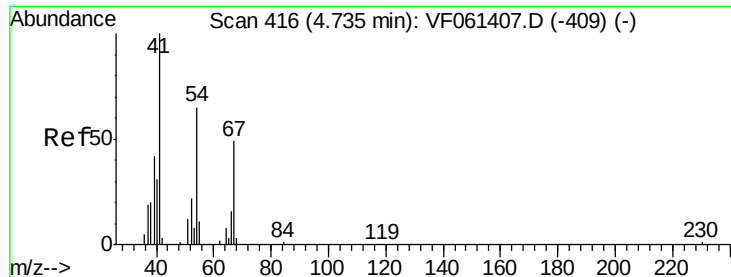


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

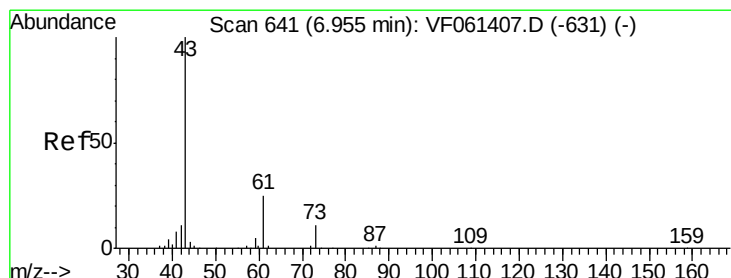
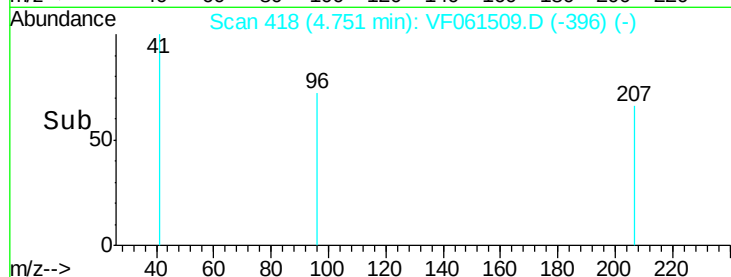
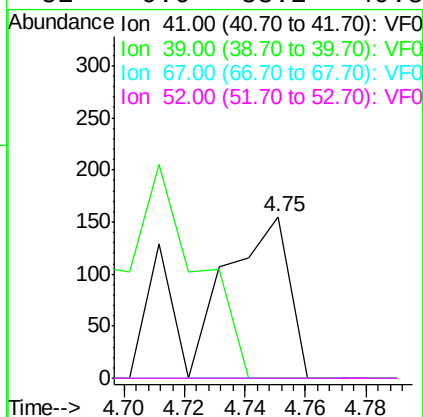
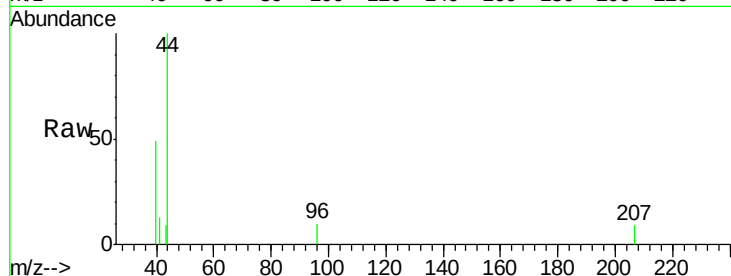




#41
Methacrylonitrile
Concen: 19.122 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.02 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

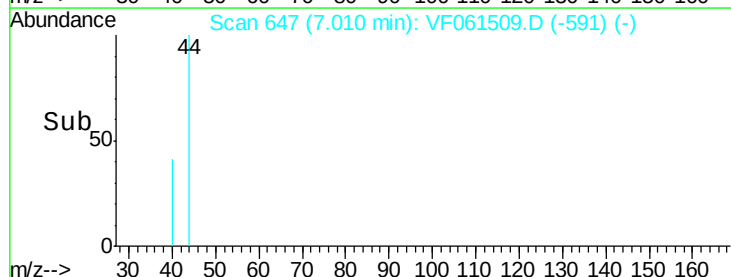
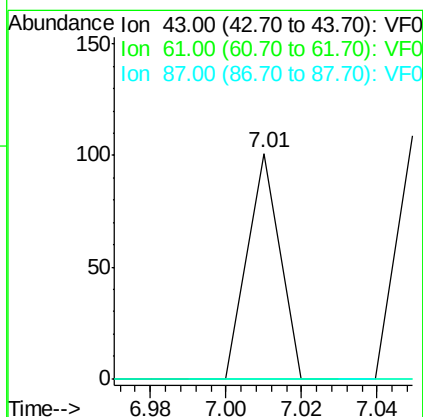
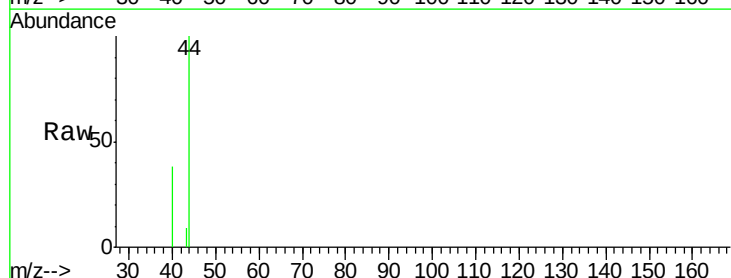
Instrument :
MSVOA_F
ClientSampled :
TS-RRE

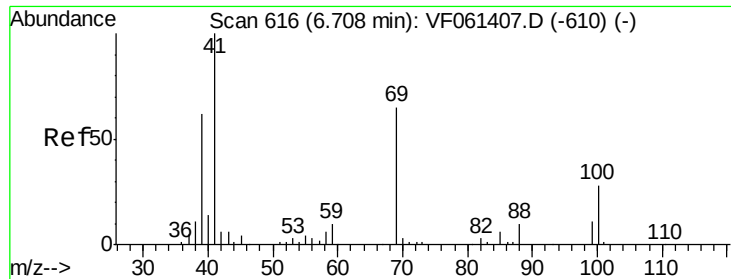
Tot Ion:	41	Resp:	224
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#43
Isopropyl Acetate
Concen: 2.172 ug/l
RT: 7.01 min Scan# 647
Delta R.T. 0.06 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#

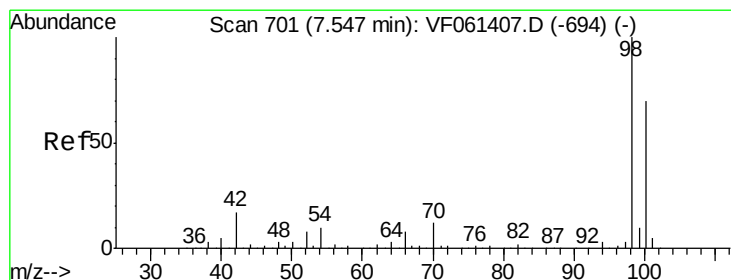
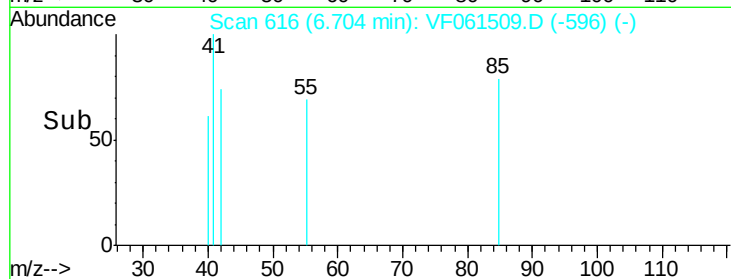
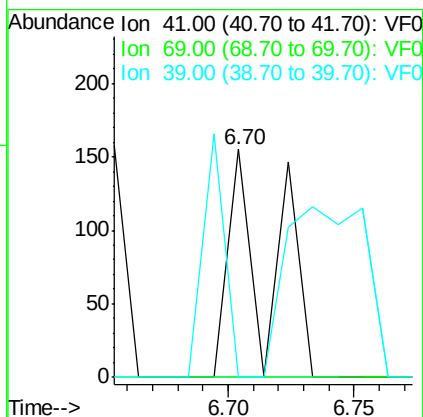
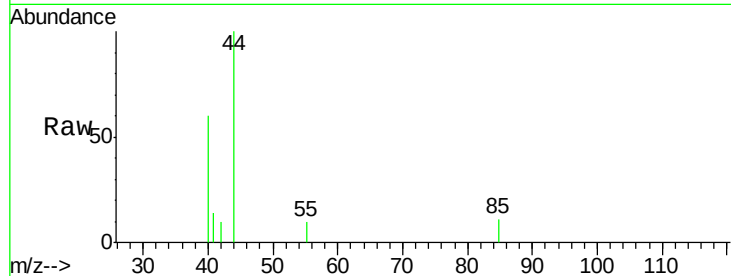




#48
Methvl methacrylate
Concen: 9.648 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

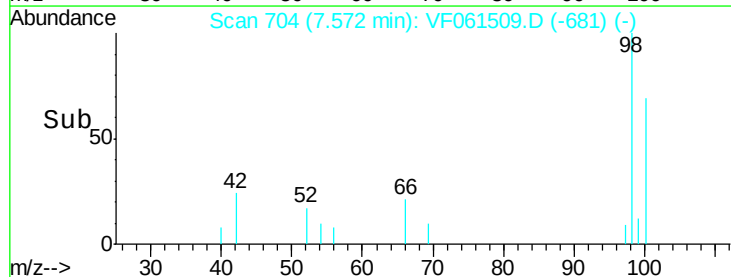
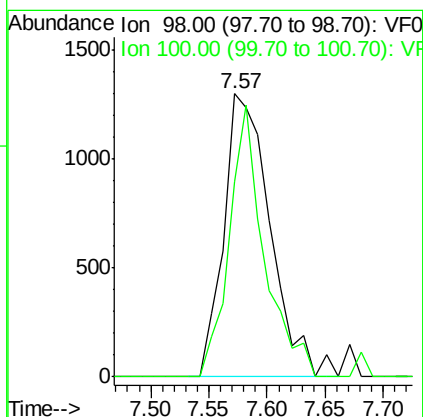
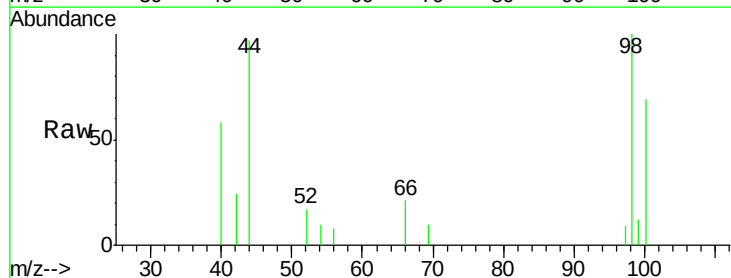
Instrument :
MSVOA_F
ClientSampleId :
TS-RRE

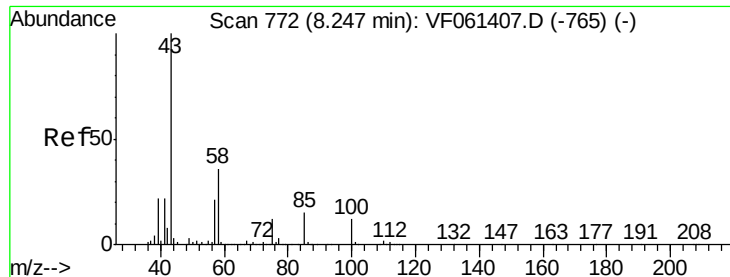
Tot Ion: 41 Resp: 179
Ion Ratio Lower Upper
41 100
69 0.0 51.7 77.5#
39 0.0 49.2 73.8#



#50
Toluene-d8
Concen: 35.066 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.03 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

Tgt Ion: 98 Resp: 3601
Ion Ratio Lower Upper
98 100
100 68.9 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 4.234 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.06 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

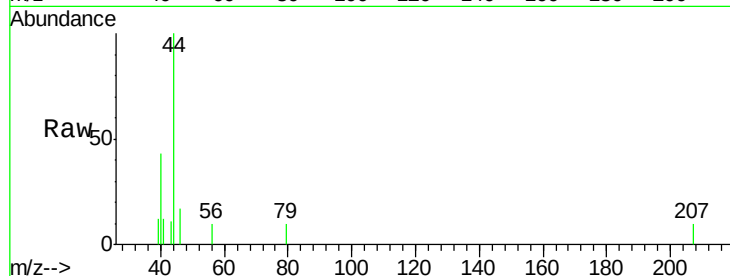
TS-RRE

Tot Ion: 43 Resp: 86

Ion Ratio Lower Upper

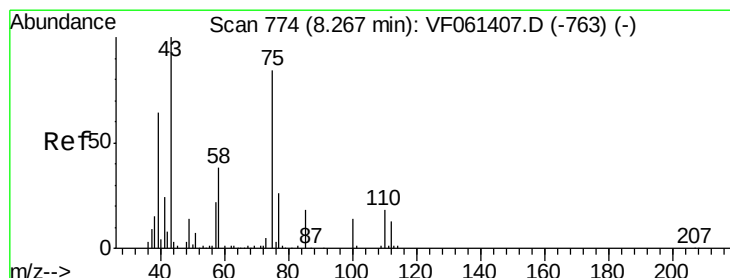
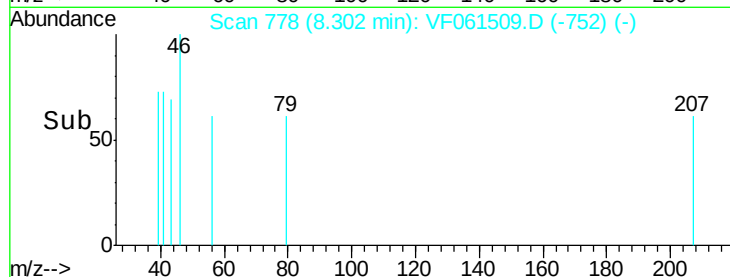
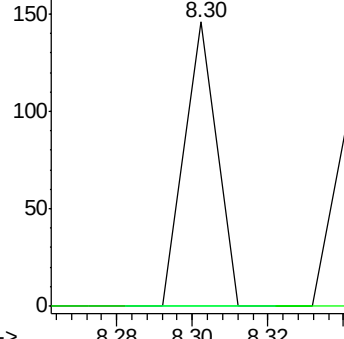
43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 1.547 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061509.D

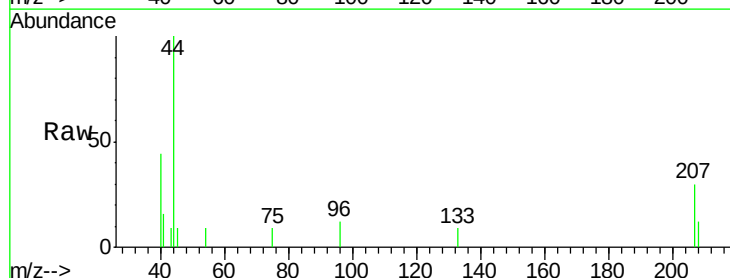
Acq: 24 Jan 2019 19:31

Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

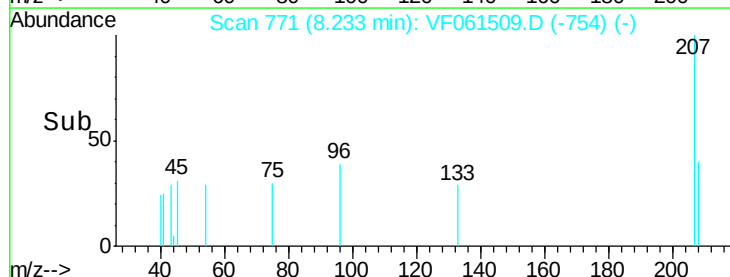
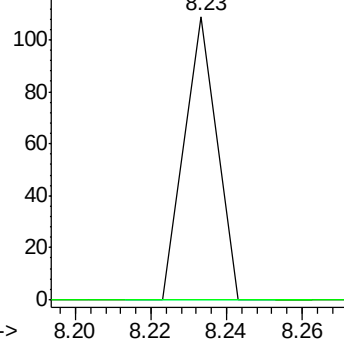
75 100

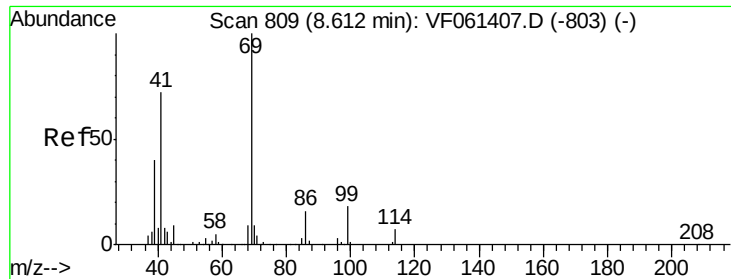
77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#56

Ethyl methacrylate

Concen: 2.625 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.04 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

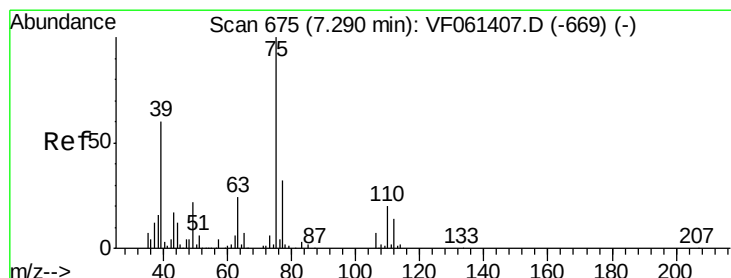
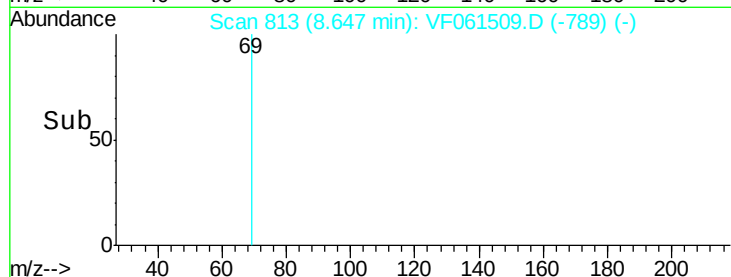
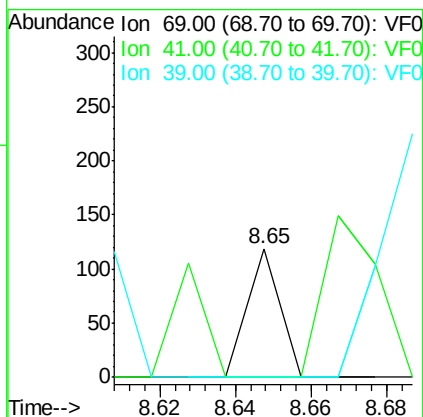
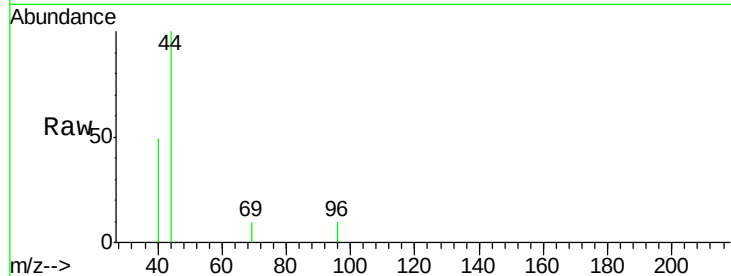
Tot Ion: 69 Resp: 70

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

39 0.0 32.0 48.0#



#58

2-Chloroethyl Vinyl ether

Concen: 47.252 ug/l

RT: 7.40 min Scan# 687

Delta R.T. 0.11 min

Lab File: VF061509.D

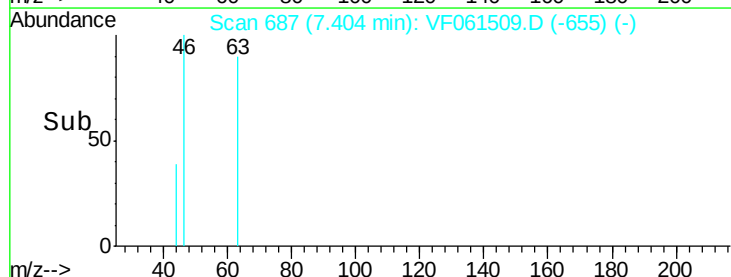
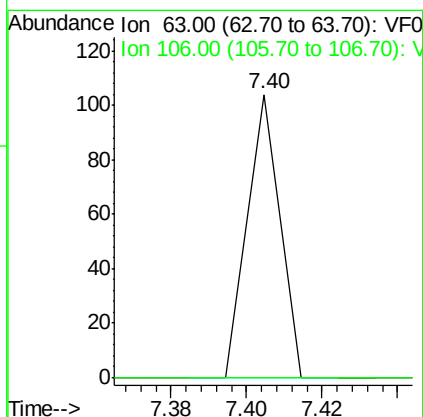
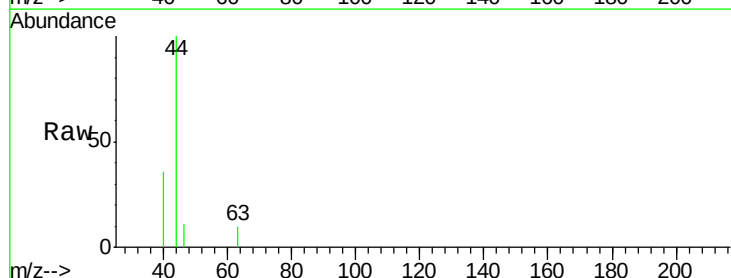
Acq: 24 Jan 2019 19:31

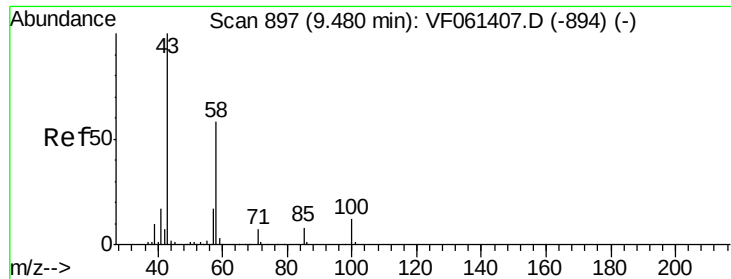
Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#





#59

2-Hexanone

Concen: 14.685 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

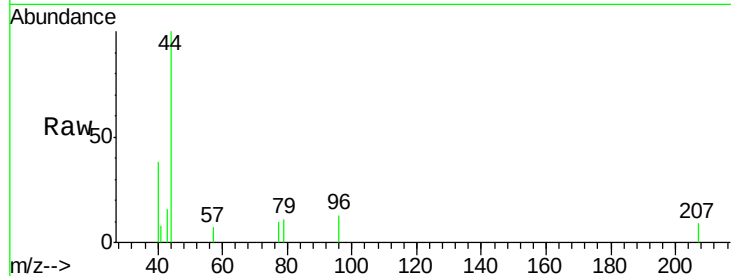
Instrument :
MSVOA_F
ClientSampled :
TS-RRE

Tot Ion: 43 Resp: 208

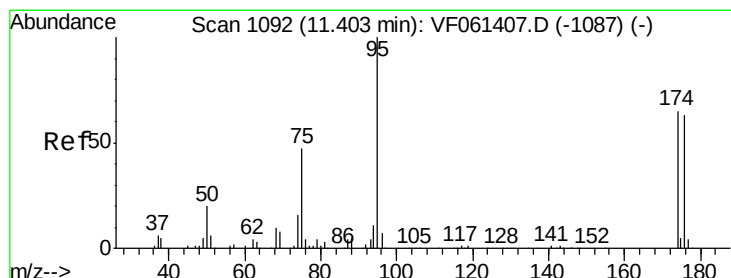
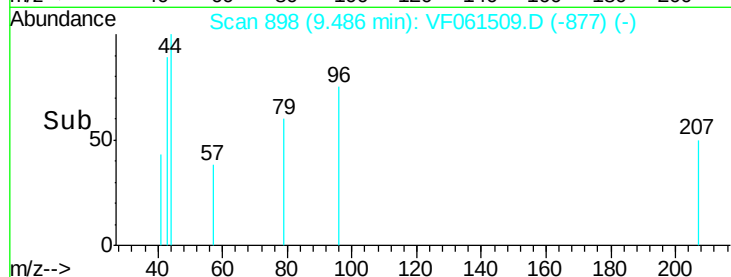
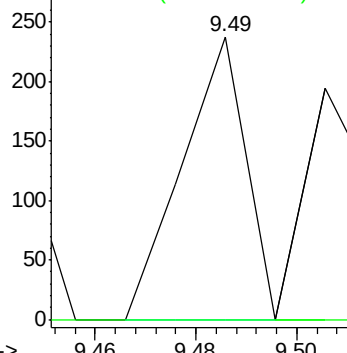
Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 5.065 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.04 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

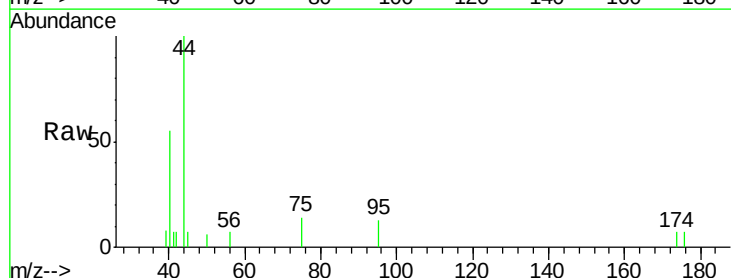
Tgt Ion: 95 Resp: 243

Ion Ratio Lower Upper

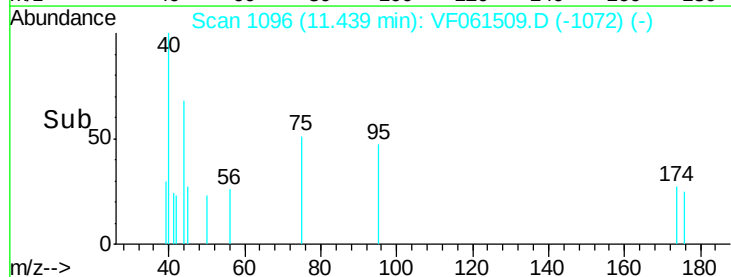
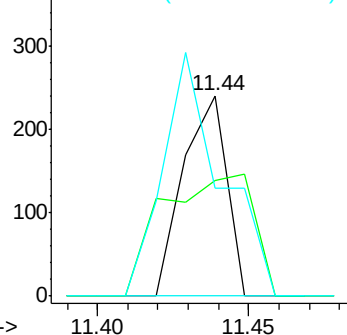
95 100

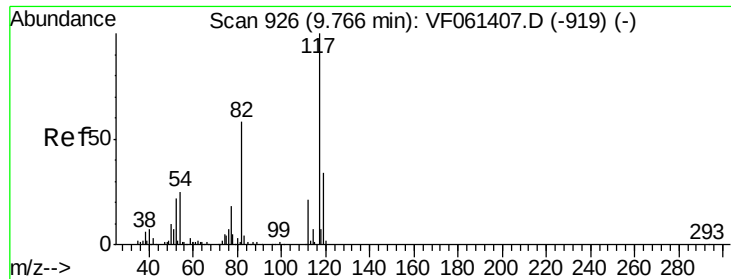
174 57.7 0.0 130.4

176 53.5 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

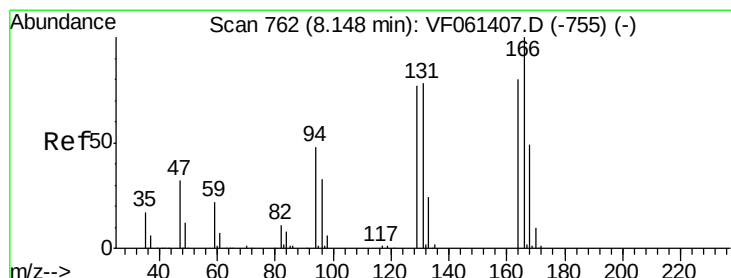
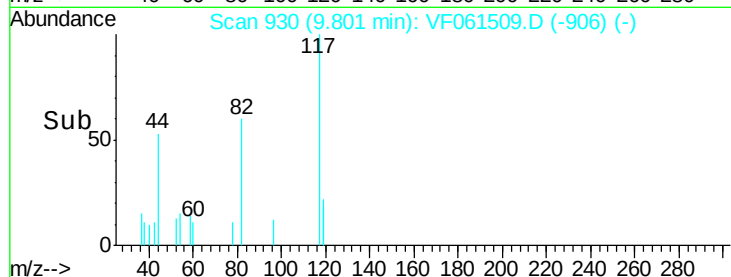
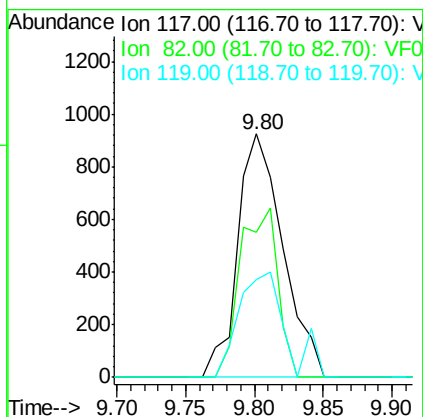
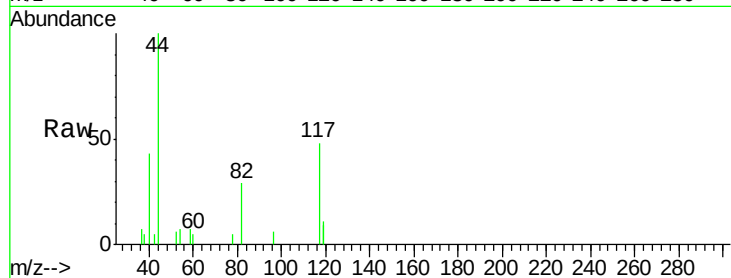




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.04 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

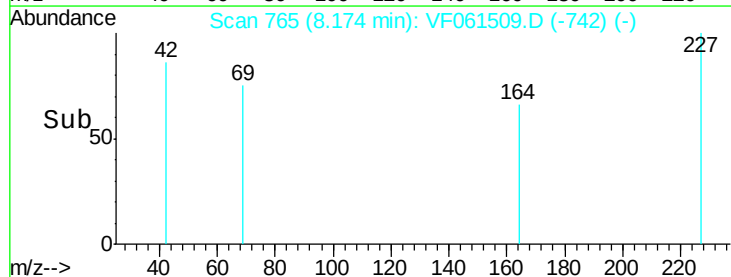
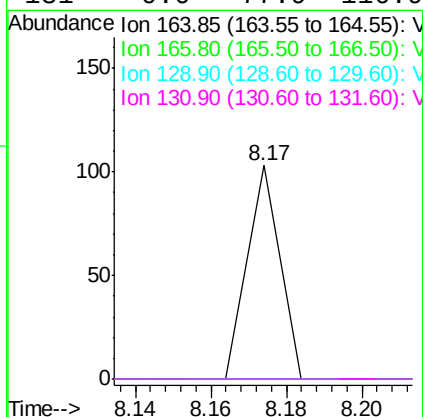
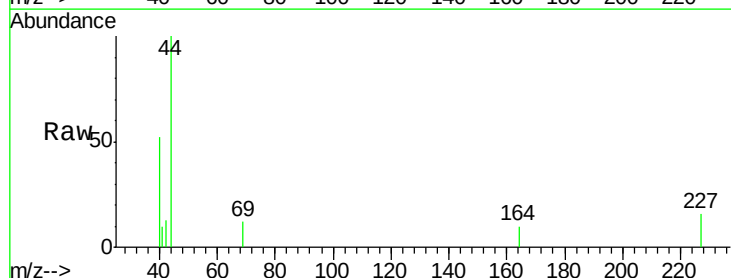
Instrument :
MSVOA_F
ClientSampleId :
TS-RRE

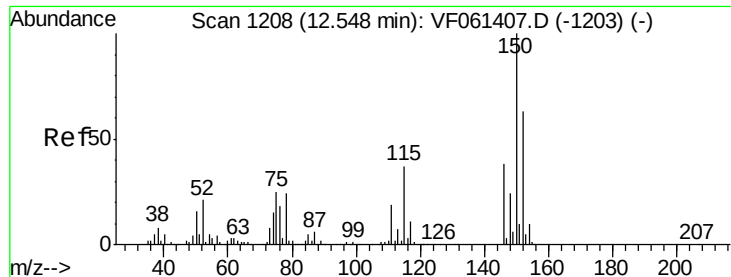
Tot Ion:117 Resp: 2123
Ion Ratio Lower Upper
117 100
82 59.8 46.4 69.6
119 40.3 27.2 40.8



#64
Tetrachloroethene
Concen: 3.821 ug/l
RT: 8.17 min Scan# 765
Delta R.T. 0.03 min
Lab File: VF061509.D
Acq: 24 Jan 2019 19:31

Tgt Ion:164 Resp: 61
Ion Ratio Lower Upper
164 100
166 0.0 99.6 149.4#
129 0.0 76.4 114.6#
131 0.0 77.9 116.9#

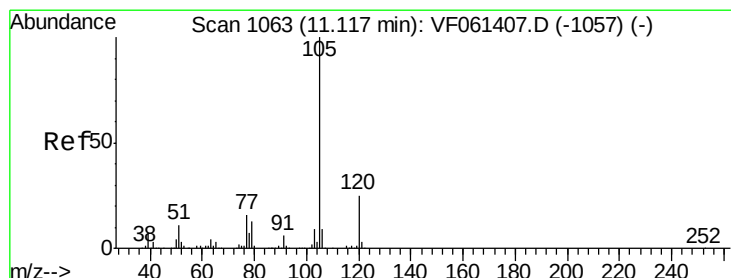
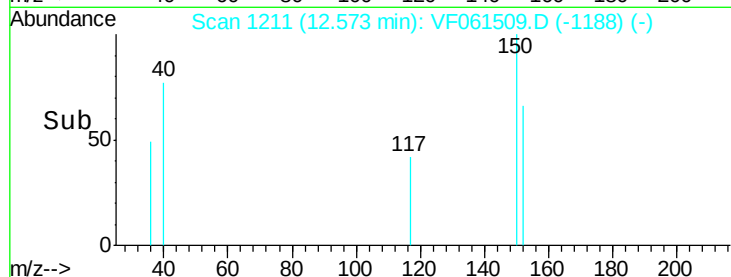
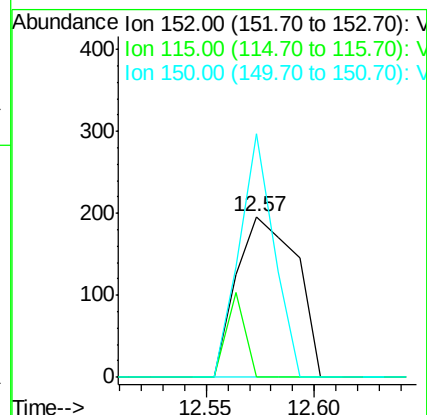
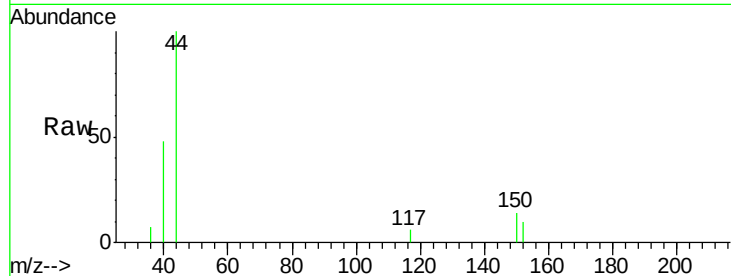




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.03 min
 Lab File: VF061509.D
 Acq: 24 Jan 2019 19:31

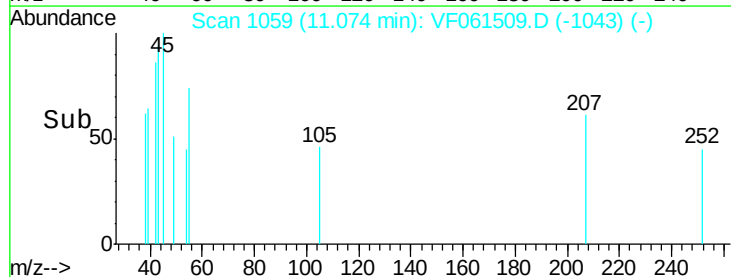
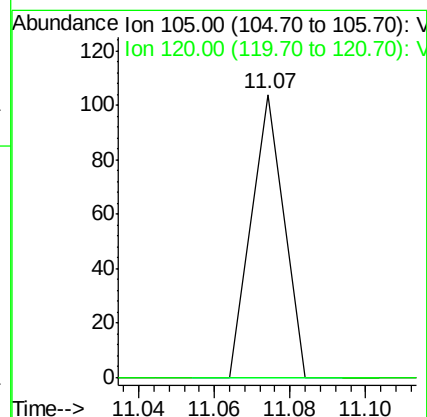
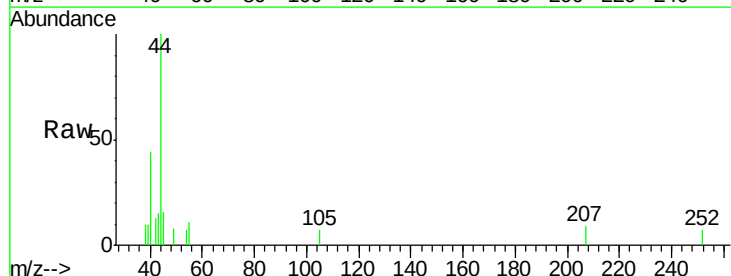
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-RRE

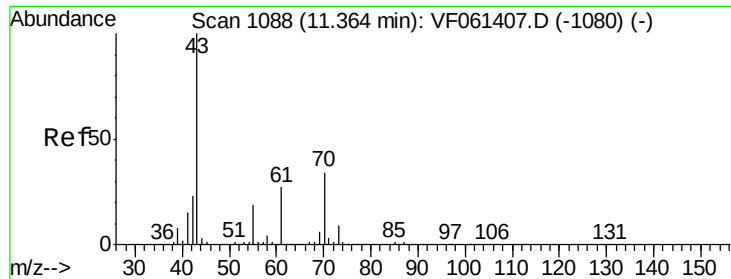
Tot Ion:152 Resp: 377
 Ion Ratio Lower Upper
 152 100
 115 0.0 30.0 90.0#
 150 151.5 0.0 321.4



#73
 Isopropylbenzene
 Concen: 2.022 ug/l
 RT: 11.07 min Scan# 1059
 Delta R.T. -0.04 min
 Lab File: VF061509.D
 Acq: 24 Jan 2019 19:31

Tgt Ion:105 Resp: 62
 Ion Ratio Lower Upper
 105 100
 120 0.0 12.6 37.8#





#74

N-amvl acetate

Concen: 45.652 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampled :

TS-RRE

Tot Ion: 43 Resp: 331

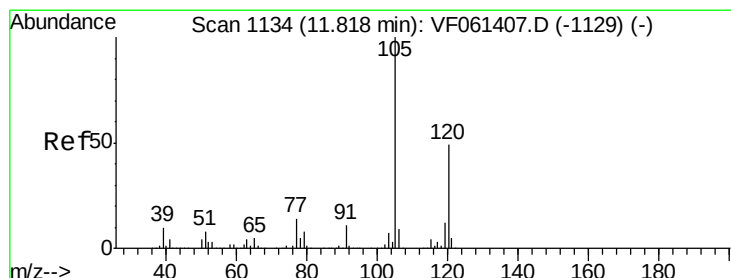
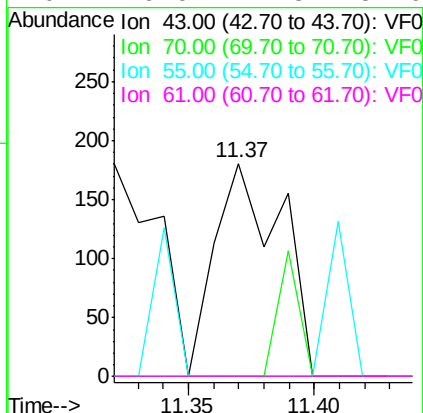
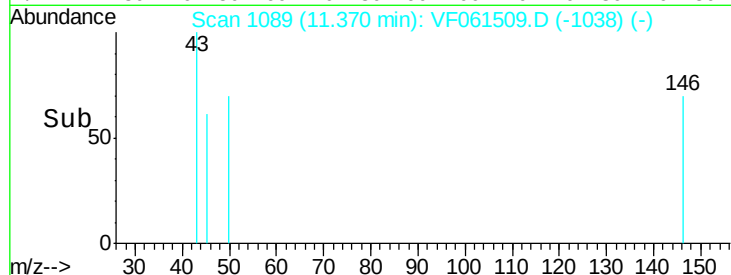
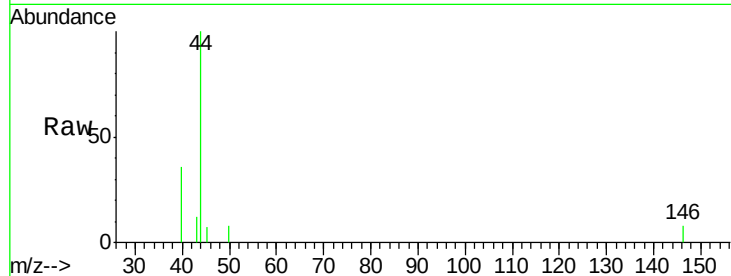
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 0.0 15.4 23.2#

61 0.0 21.8 32.6#



#80

1,3,5-Trimethylbenzene

Concen: 4.203 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.08 min

Lab File: VF061509.D

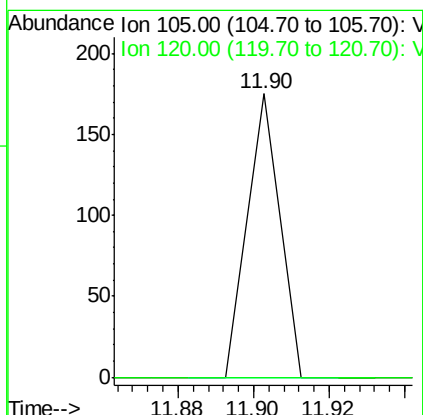
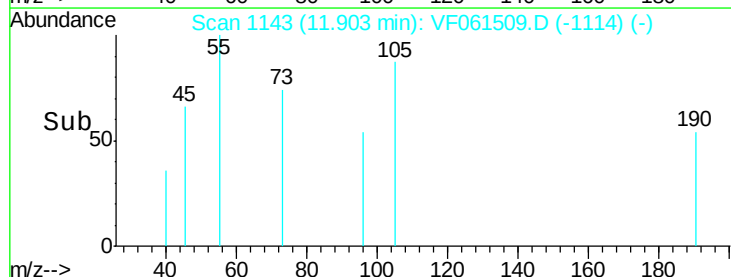
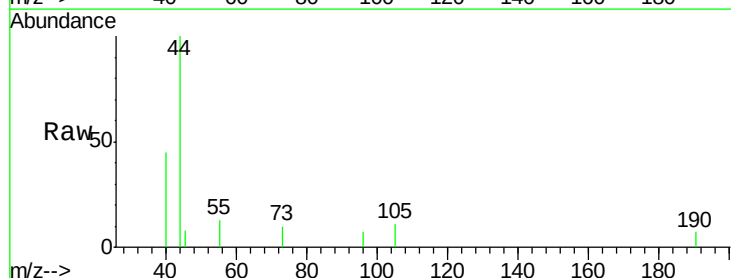
Acq: 24 Jan 2019 19:31

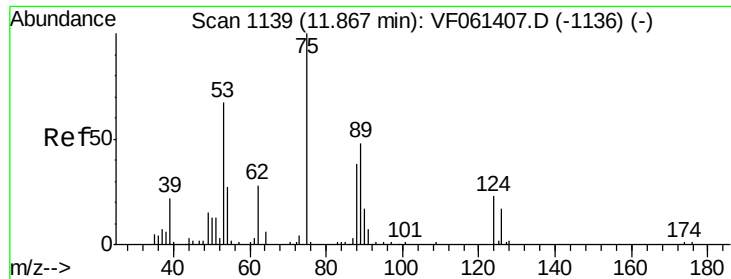
Tgt Ion: 105 Resp: 104

Ion Ratio Lower Upper

105 100

120 0.0 24.7 74.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 36.924 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.08 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

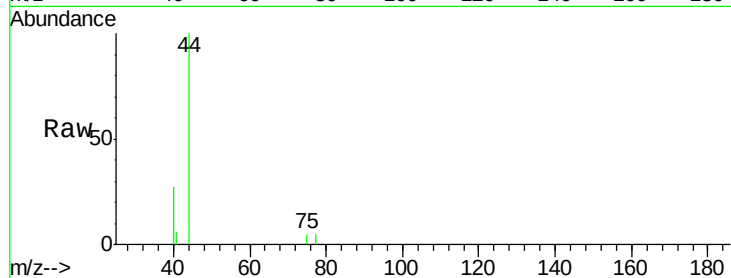
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

53 0.0 57.8 86.6#

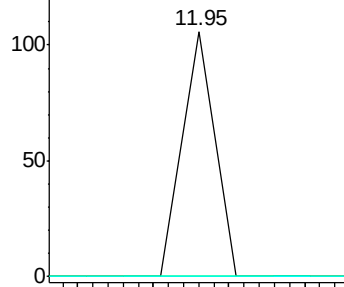
89 0.0 40.7 61.1#



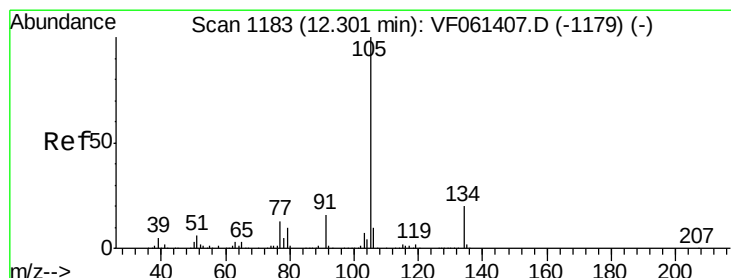
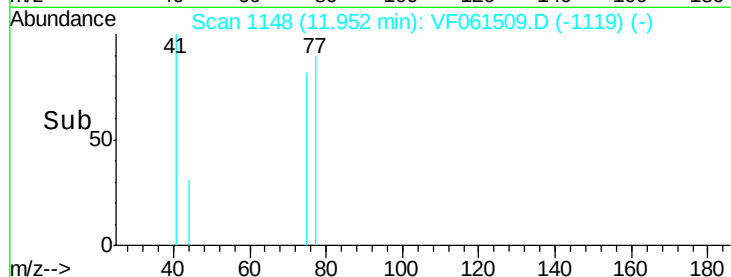
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#85

sec-Butylbenzene

Concen: 1.725 ug/l

RT: 12.44 min Scan# 1197

Delta R.T. 0.13 min

Lab File: VF061509.D

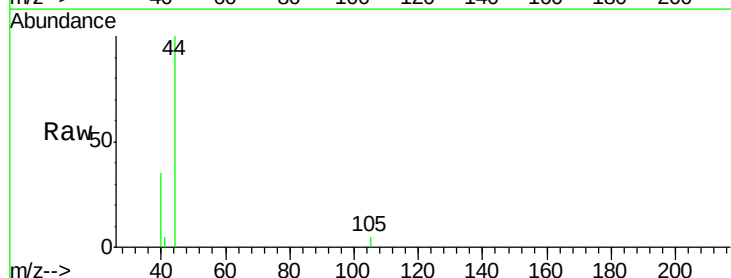
Acq: 24 Jan 2019 19:31

Tgt Ion: 105 Resp: 60

Ion Ratio Lower Upper

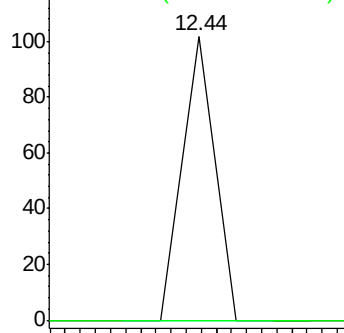
105 100

134 0.0 10.0 30.0#

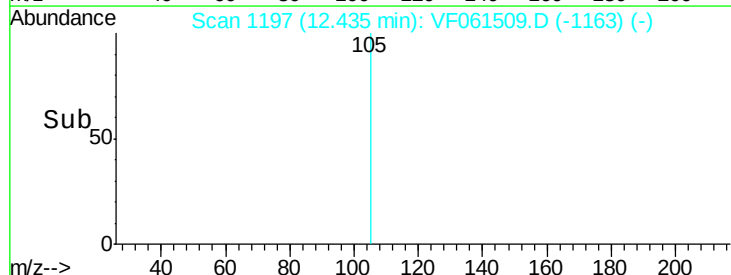


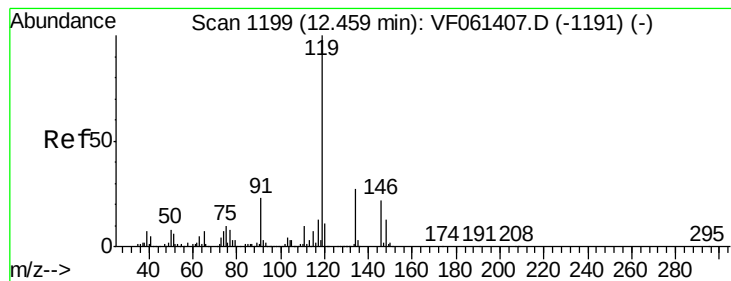
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->





#86

p-Isopropyltoluene

Concen: 2.592 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. 0.04 min

Lab File: VF061509.D

Acq: 24 Jan 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

TS-RRE

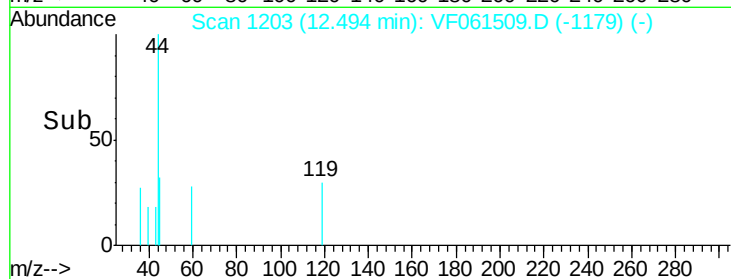
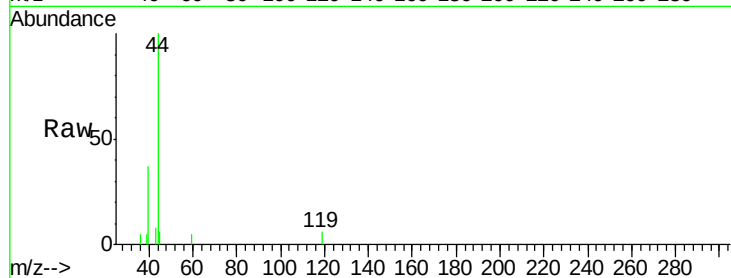
Tot Ion:119 Resp: 74

Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.2#

91 0.0 11.4 34.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.49

100

50

0

Time--> 12.46 12.48 12.50 12.52