

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061499.D
 Acq On : 24 Jan 2019 14:42
 Operator : VA/AP
 Sample : K1016-07
 Misc : 5.66g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-3-012319

Quant Time: Jan 25 04:08:33 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	4.92	168	125	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	5.65	114	159	50.00	ug/l	0.06
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.59	98	188	54.69	ug/l	0.05
Spiked Amount	50.000		Recovery	=	109.38%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	81	32.980	ug/l #	38
3) Chloromethane	1.10	50	244	135.489	ug/l #	44
4) Vinyl Chloride	1.12	62	121	75.532	ug/l #	43
5) Bromomethane	1.38	94	522	499.695	ug/l #	51
6) Chloroethane	1.47	64	63	88.752	ug/l #	41
8) Diethyl Ether	1.67	74	71	177.923	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.01	101	63	42.101	ug/l #	20
11) Tert butyl alcohol	2.70	59	79	1209.349	ug/l #	64
12) 1,1-Dichloroethene	1.78	96	211	189.792	ug/l #	1
13) Acrolein	1.93	56	534	9108.427	ug/l	99
14) Allyl chloride	2.10	41	605	237.251	ug/l #	66
15) Acrylonitrile	2.96	53	119	711.175	ug/l #	24
16) Acetone	2.24	43	920	2971.564	ug/l #	61
17) Carbon Disulfide	1.89	76	70	20.193	ug/l #	69
18) Methyl Acetate	2.39	43	337	548.871	ug/l #	61
19) Methyl tert-butyl Ether	2.44	73	191	76.638	ug/l #	59
20) Methylene Chloride	2.15	84	63	60.308	ug/l #	1
21) trans-1,2-Dichloroethene	2.37	96	71	58.045	ug/l #	1
22) Diisopropyl ether	2.81	45	507	128.149	ug/l #	1
23) Vinyl Acetate	3.19	43	646	369.676	ug/l #	78
24) 1,1-Dichloroethane	2.91	63	227	91.418	ug/l #	85
25) 2-Butanone	4.37	43	153	297.172	ug/l #	57
26) 2,2-Dichloropropane	3.59	77	59	38.674	ug/l #	61
27) cis-1,2-Dichloroethene	3.59	96	62	34.337	ug/l	1
29) Tetrahydrofuran	4.12	42	98	442.054	ug/l #	38
31) Cyclohexane	3.73	56	159	64.103	ug/l #	13
32) 1,1,1-Trichloroethane	4.18	97	63	25.640	ug/l #	22
37) Ethyl Acetate	4.14	43	214	290.399	ug/l #	5
38) Carbon Tetrachloride	4.10	117	72	44.674	ug/l #	11
40) Benzene	4.76	78	75	18.283	ug/l #	52
41) Methacrylonitrile	4.78	41	173	441.195	ug/l #	29
42) 1,2-Dichloroethane	4.90	62	61	41.730	ug/l	76
43) Isopropyl Acetate	6.96	43	200	216.244	ug/l #	51
46) Dibromomethane	6.12	93	71	99.177	ug/l #	6

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ALS Vial : 9 Sample Multiplier: 1

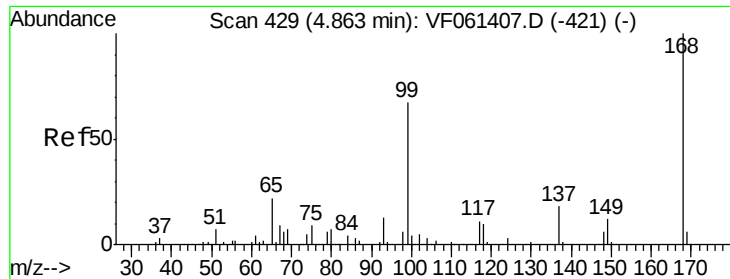
Instrument :
MSVOA_F
ClientSampleId :
TR-05-RO-3-012319

Quant Time: Jan 25 04:08:33 2019
Quant Method : Z:\V0ASRV\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)
48) Methyl methacrylate	6.80	41	73	117.541	ug/l #	19
51) 4-Methyl-2-Pentanone	8.37	43	275	404.450	ug/l #	39
55) 1,1,2-Trichloroethane	8.69	97	78	101.678	ug/l #	14
59) 2-Hexanone	9.57	43	244	514.624	ug/l #	26

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.92 min Scan# 435

Delta R.T. 0.06 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

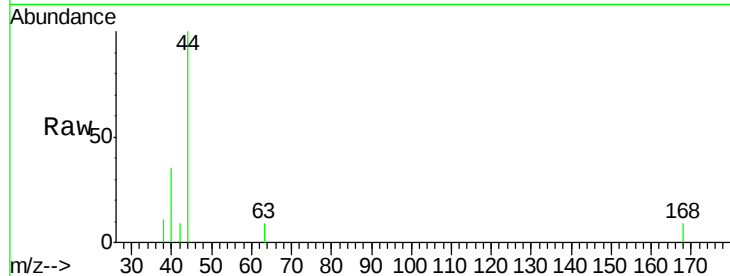
TR-05-RO-3-012319

Tot Ion:168 Resp: 125

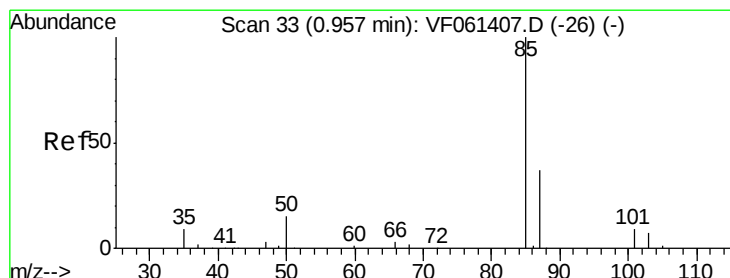
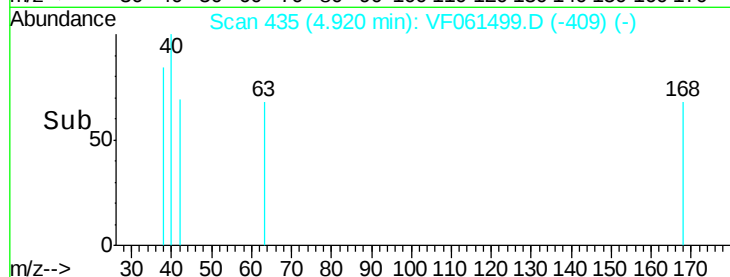
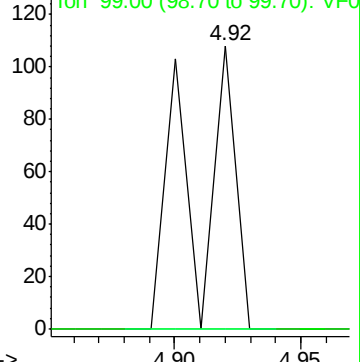
Ion Ratio Lower Upper

168 100

99 0.0 53.5 80.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 32.980 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061499.D

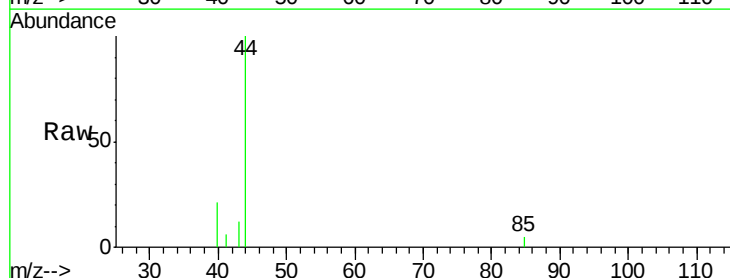
Acq: 24 Jan 2019 14:42

Tgt Ion: 85 Resp: 81

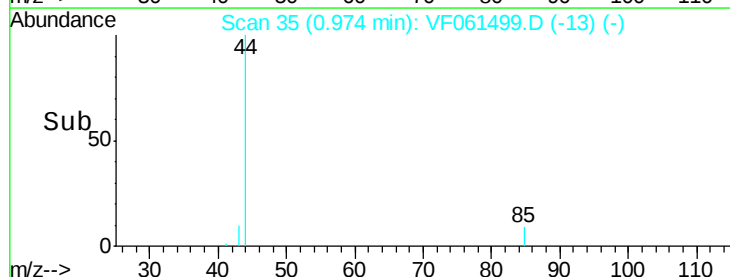
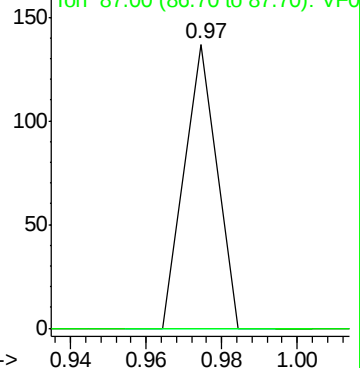
Ion Ratio Lower Upper

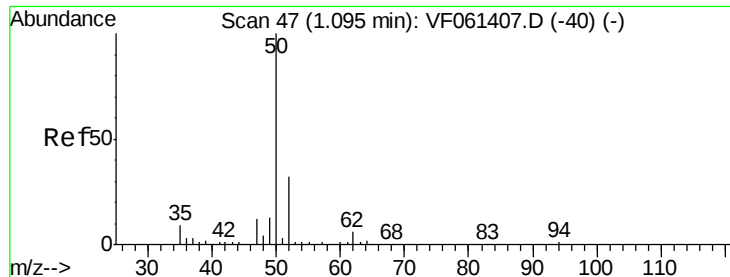
85 100

87 0.0 18.4 55.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 135.489 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

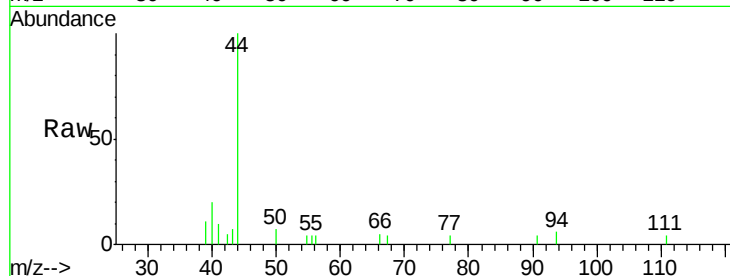
TR-05-RO-3-012319

Tot Ion: 50 Resp: 244

Ion Ratio Lower Upper

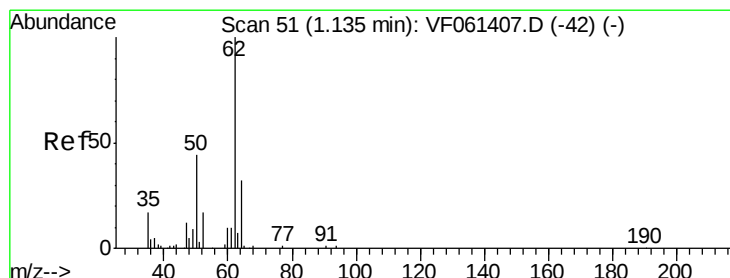
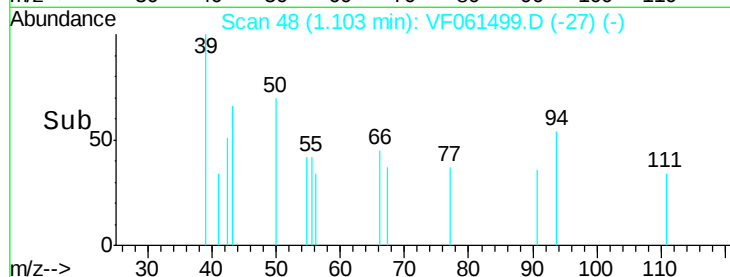
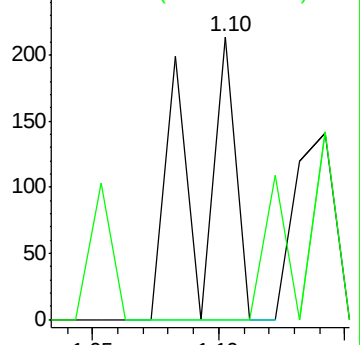
50 100

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: 75.532 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF061499.D

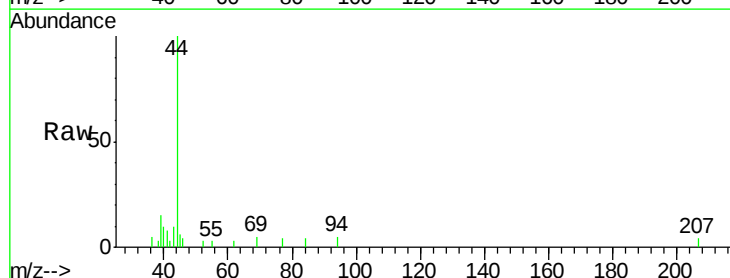
Acq: 24 Jan 2019 14:42

Tgt Ion: 62 Resp: 121

Ion Ratio Lower Upper

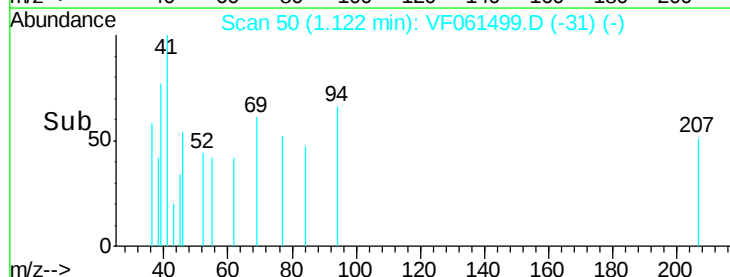
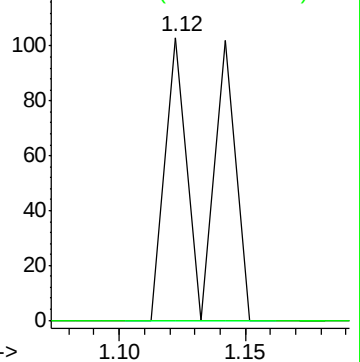
62 100

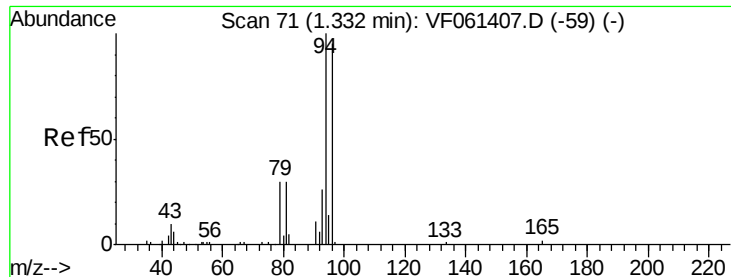
64 0.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 499.695 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

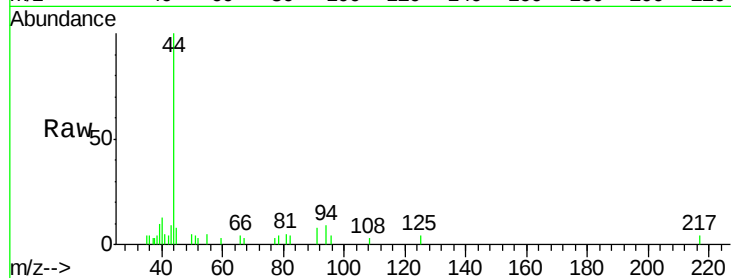
TR-05-RO-3-012319

Tot Ion: 94 Resp: 522

Ion Ratio Lower Upper

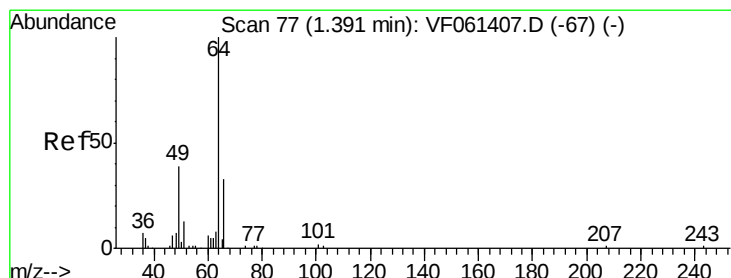
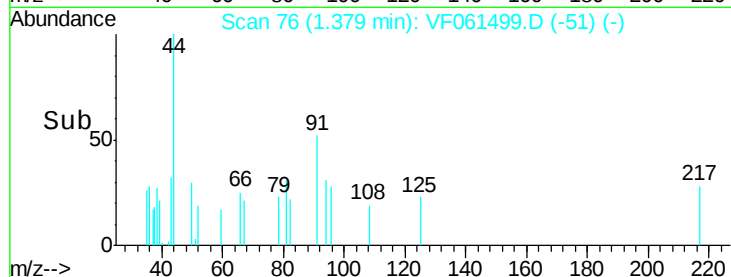
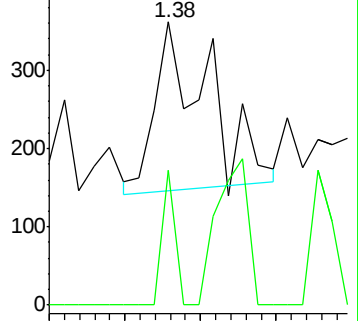
94 100

96 47.8 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 88.752 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.08 min

Lab File: VF061499.D

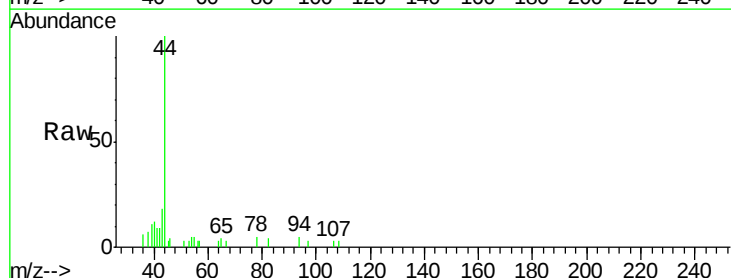
Acq: 24 Jan 2019 14:42

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

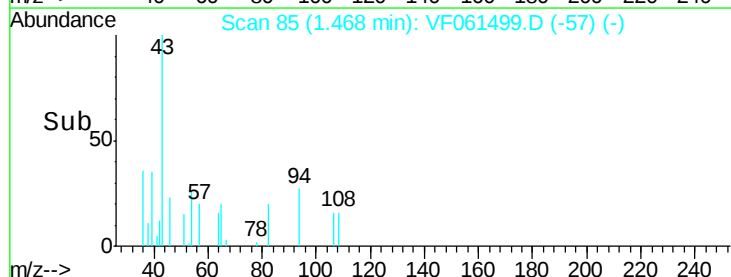
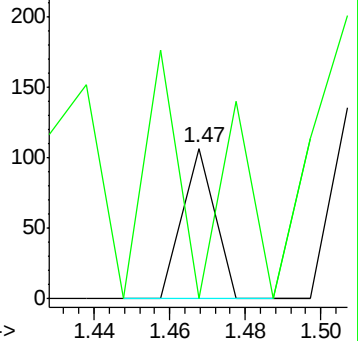
64 100

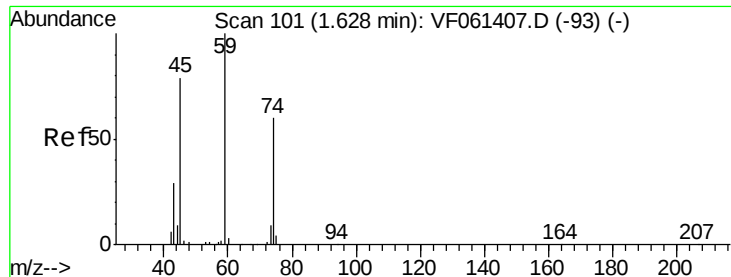
66 0.0 26.6 40.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 177.923 ug/l

RT: 1.67 min Scan# 106

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

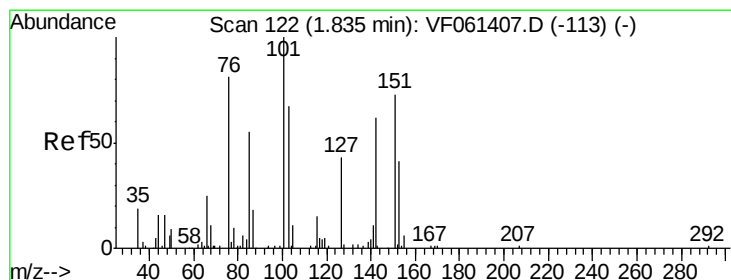
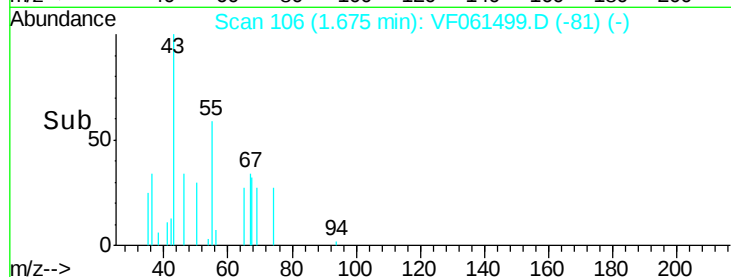
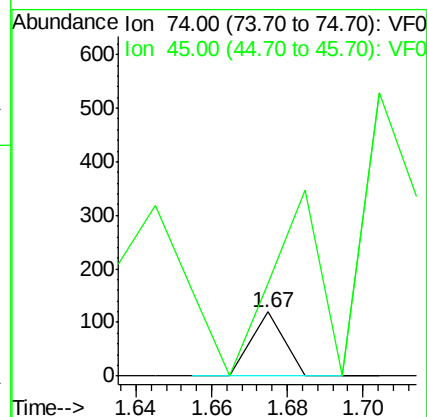
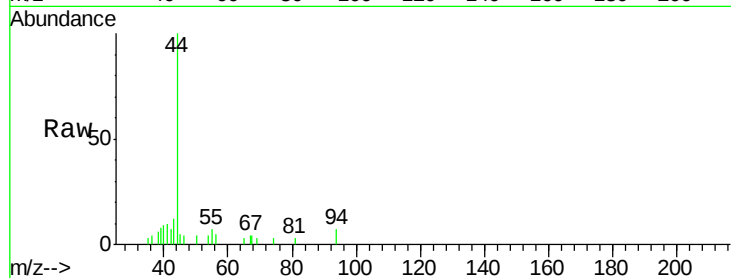
TR-05-RO-3-012319

Tot Ion: 74 Resp: 71

Ion Ratio Lower Upper

74 100

45 145.0 65.8 197.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.101 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.17 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

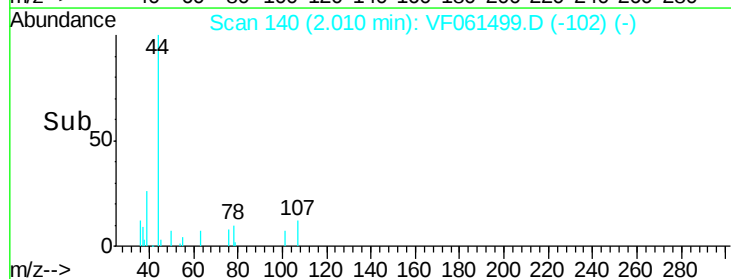
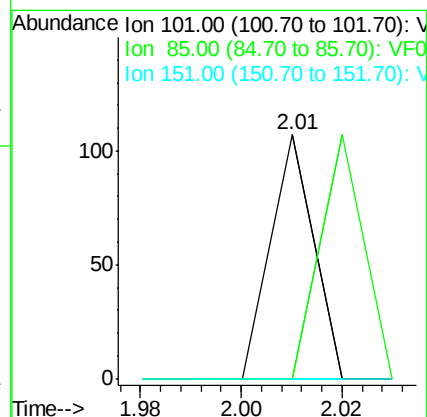
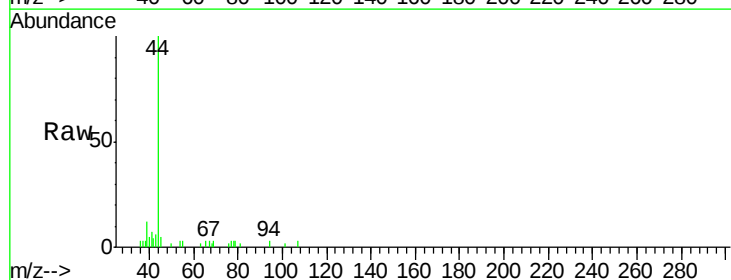
Tgt Ion: 101 Resp: 63

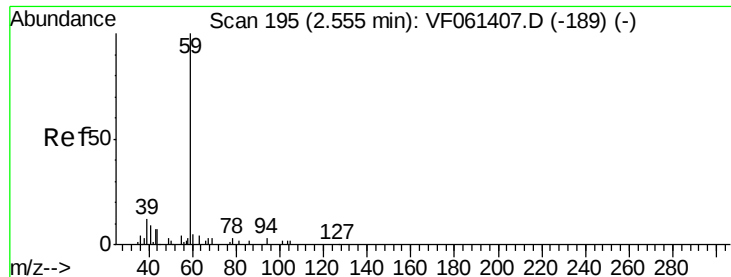
Ion Ratio Lower Upper

101 100

85 0.0 41.9 62.9#

151 0.0 55.1 82.7#



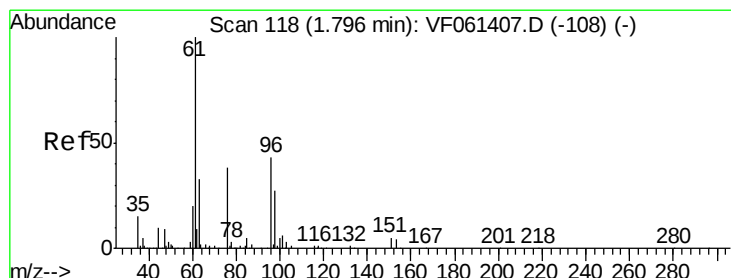
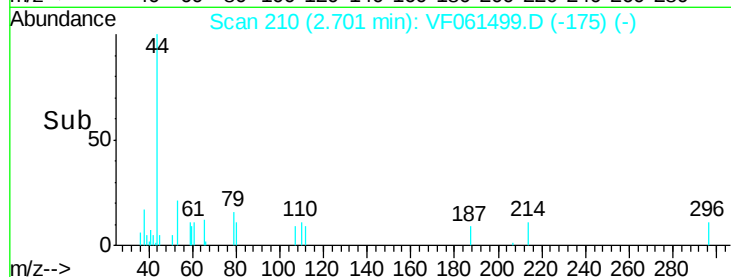
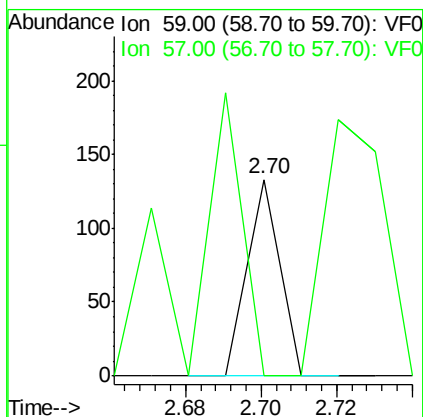
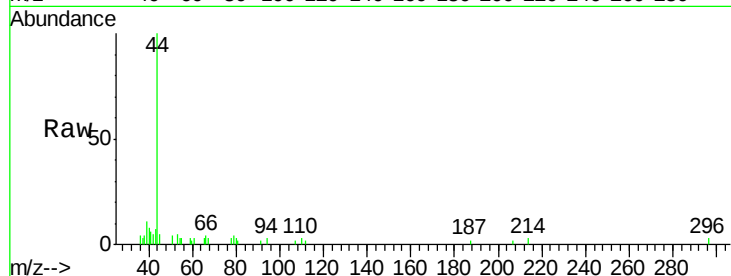


#11

Tert butyl alcohol
Concen: 1209.349 ug/l
RT: 2.70 min Scan# 210
Delta R.T. 0.15 min
Lab File: VF061499.D
Acq: 24 Jan 2019 14:42

Instrument :
MSVOA_F
ClientSampleId :
TR-05-RO-3-012319

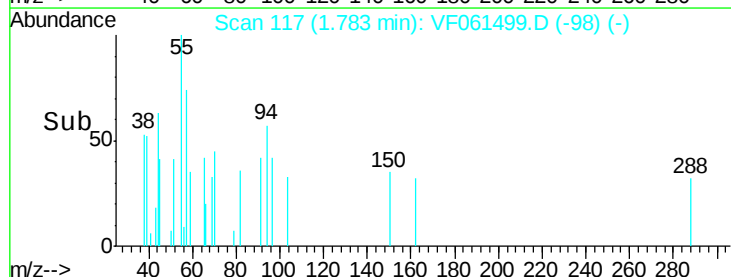
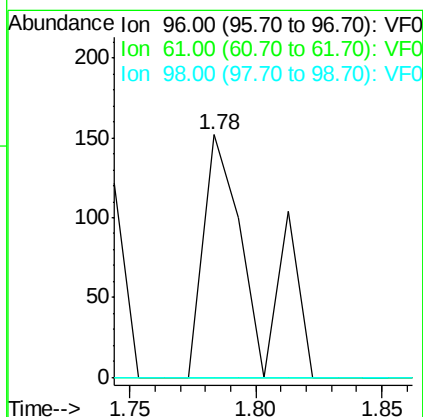
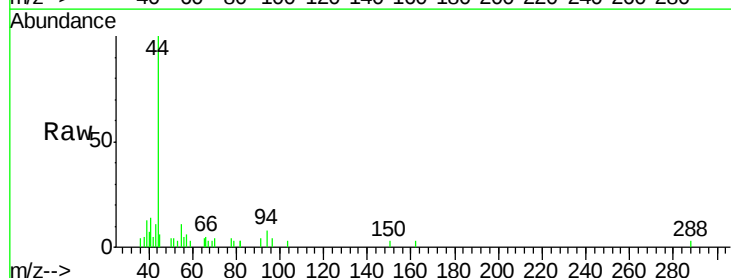
Tot Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 11.9 17.9#

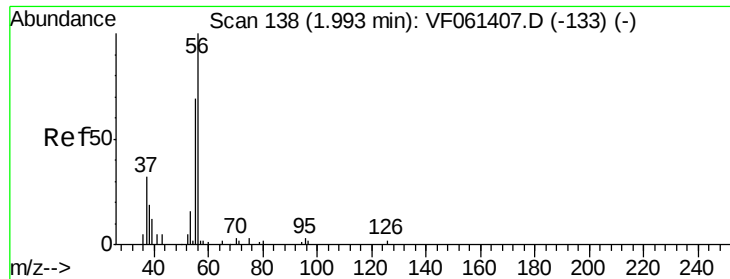


#12

1,1-Dichloroethene
Concen: 189.792 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061499.D
Acq: 24 Jan 2019 14:42

Tgt Ion: 96 Resp: 211
Ion Ratio Lower Upper
96 100
61 0.0 186.9 280.3#
98 0.0 53.0 79.4#





#13

Acrolein

Concen: 9108.427 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.06 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

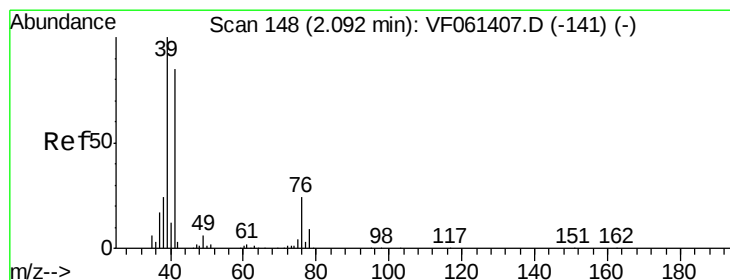
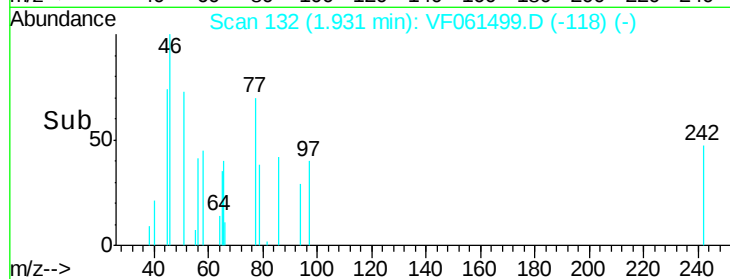
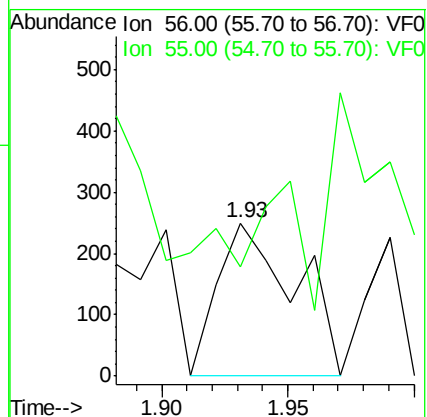
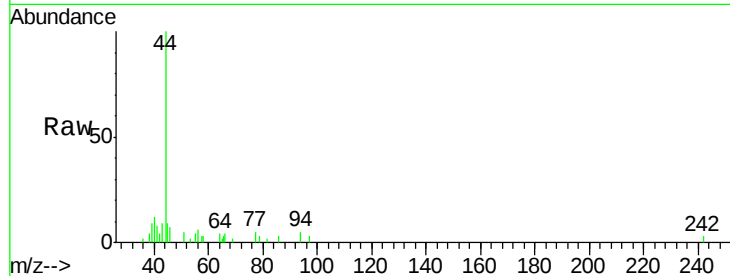
TR-05-RO-3-012319

Tot Ion: 56 Resp: 534

Ion Ratio Lower Upper

56 100

55 71.2 57.5 86.3



#14

Allyl chloride

Concen: 237.251 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

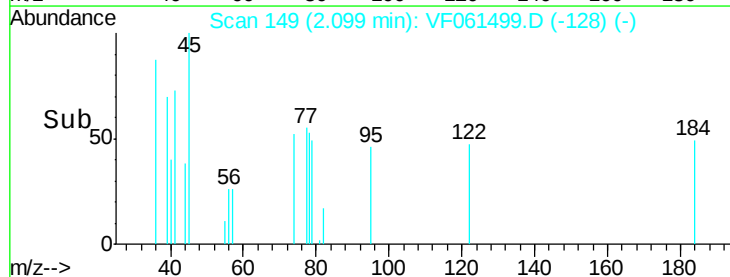
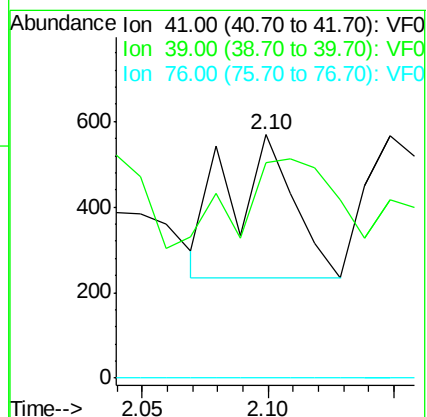
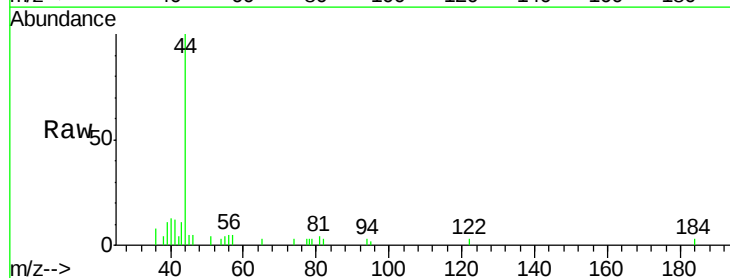
Tgt Ion: 41 Resp: 605

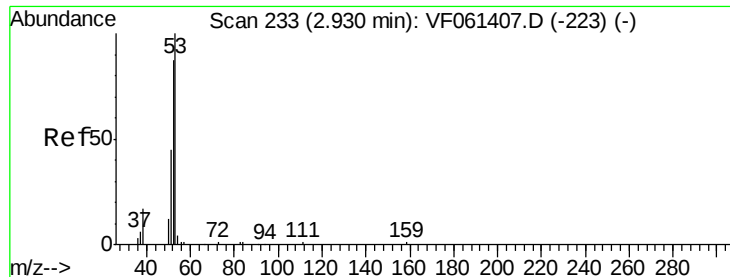
Ion Ratio Lower Upper

41 100

39 88.4 94.6 141.8#

76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 711.175 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.03 min

Lab File: VF061499.D

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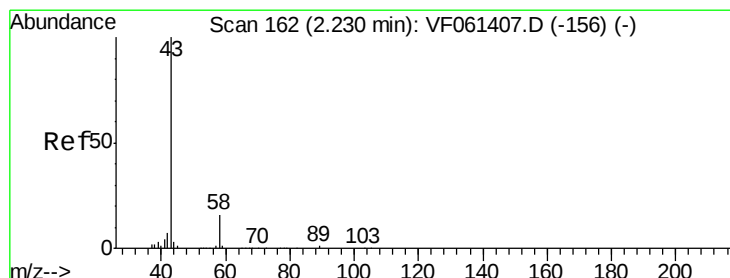
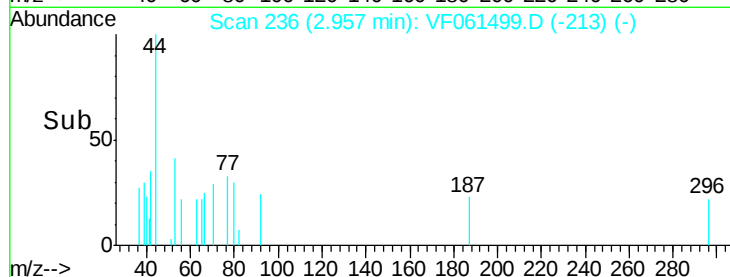
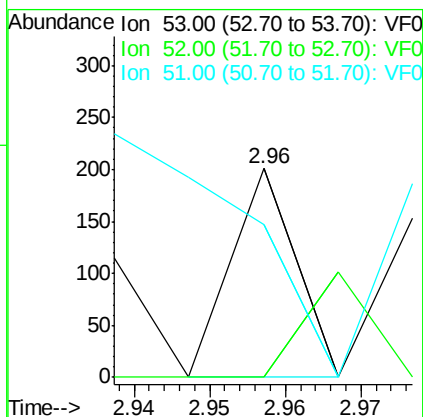
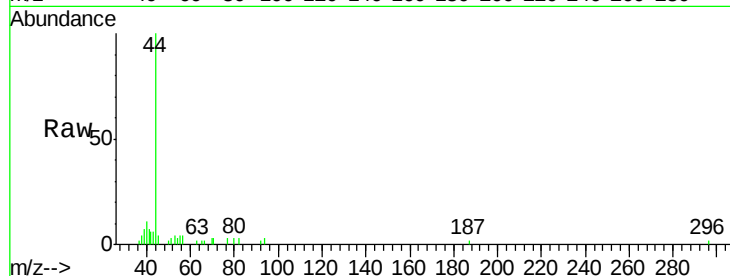
Tot Ion: 53 Resp: 119

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 73.1 36.8 55.2#



#16

Acetone

Concen: 2971.564 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061499.D

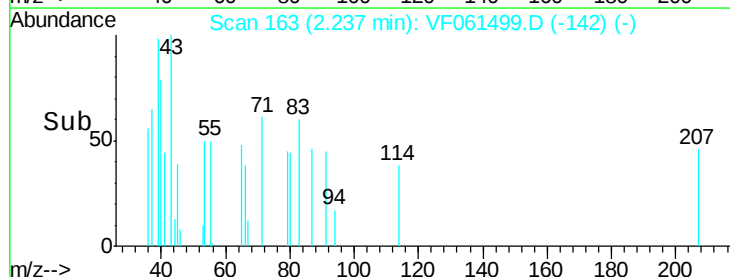
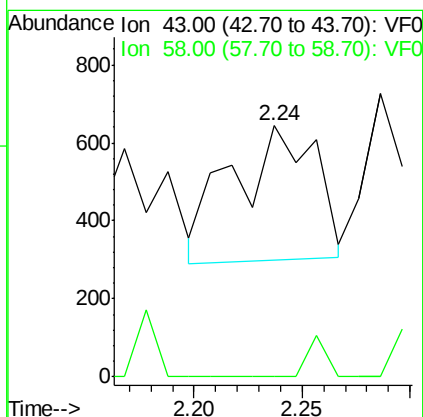
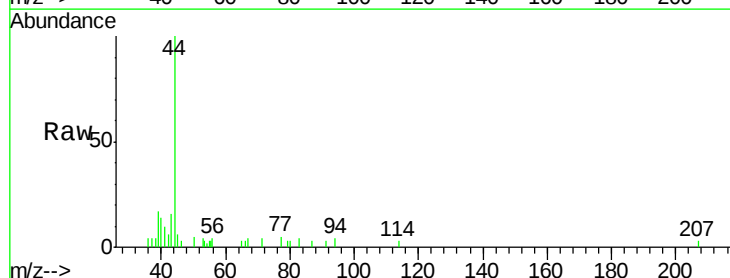
Acq: 24 Jan 2019 14:42

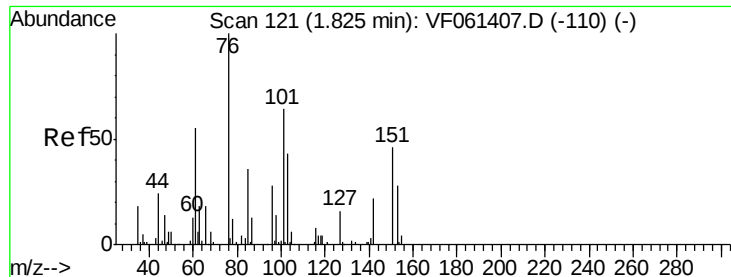
Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 0.0 13.3 19.9#





#17

Carbon Disulfide

Concen: 20.193 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.07 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

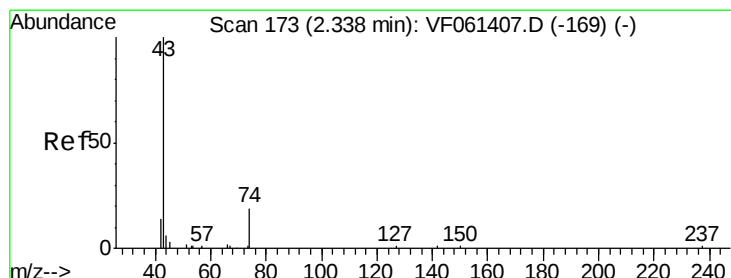
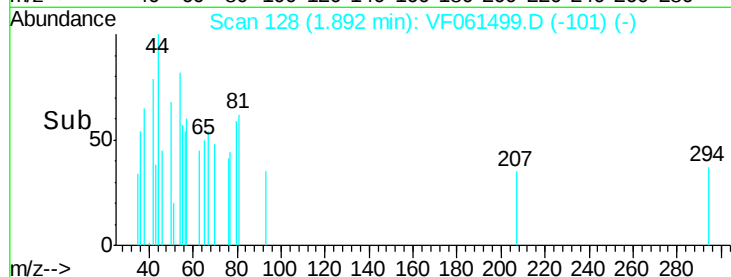
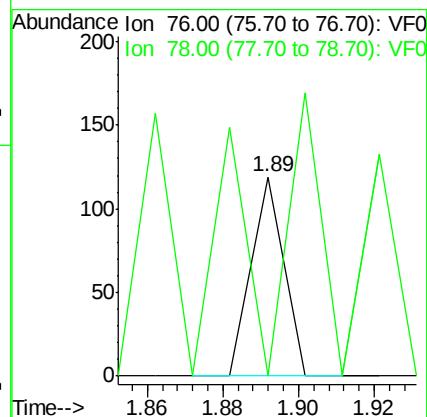
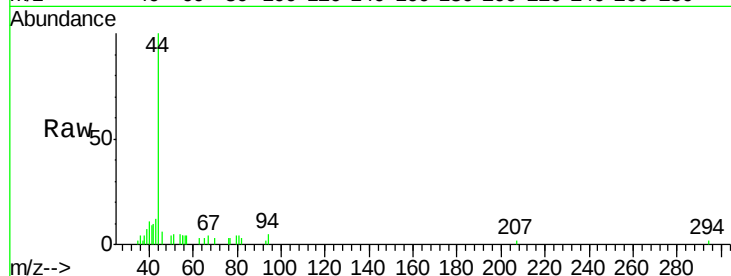
TR-05-RO-3-012319

Tot Ion: 76 Resp: 70

Ion Ratio Lower Upper

76 100

78 0.0 9.6 14.4#



#18

Methyl Acetate

Concen: 548.871 ug/l

RT: 2.39 min Scan# 179

Delta R.T. 0.06 min

Lab File: VF061499.D

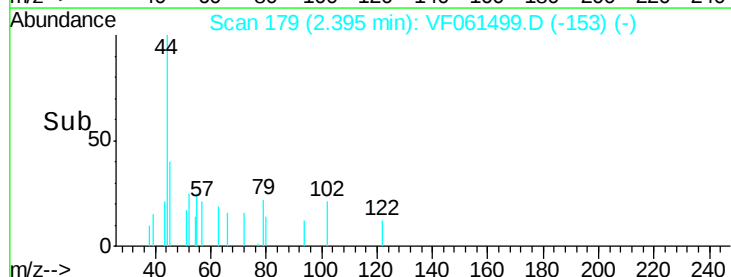
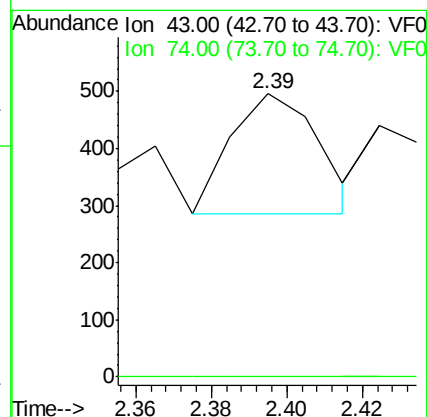
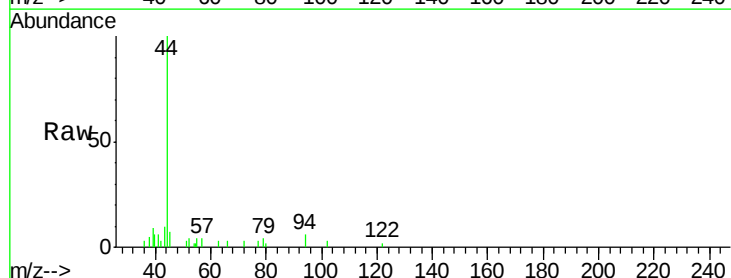
Acq: 24 Jan 2019 14:42

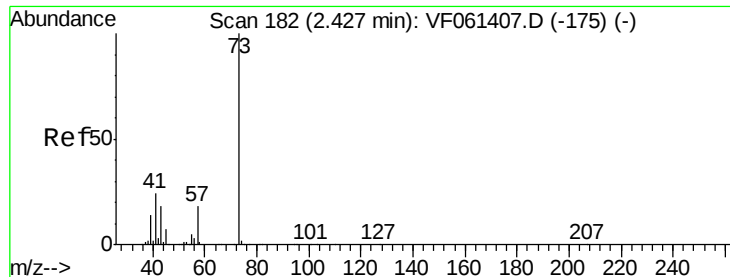
Tgt Ion: 43 Resp: 337

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#



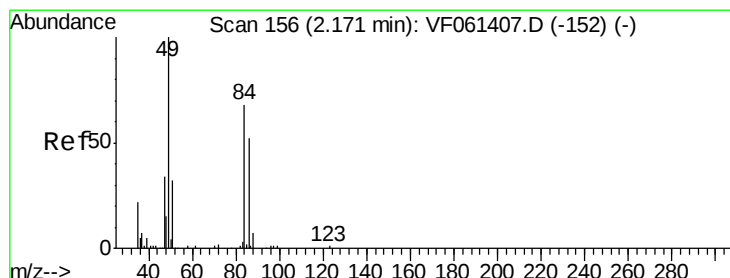
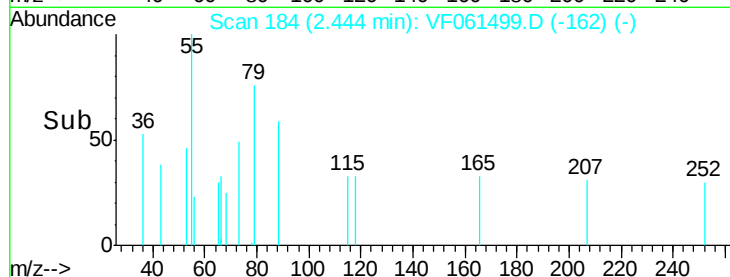
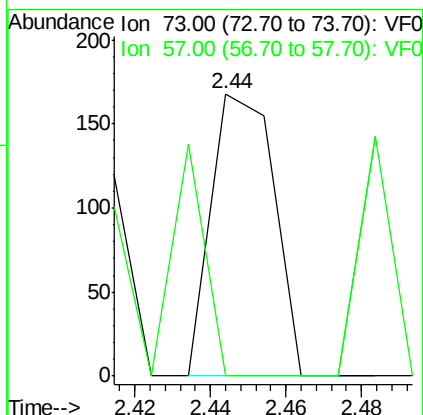
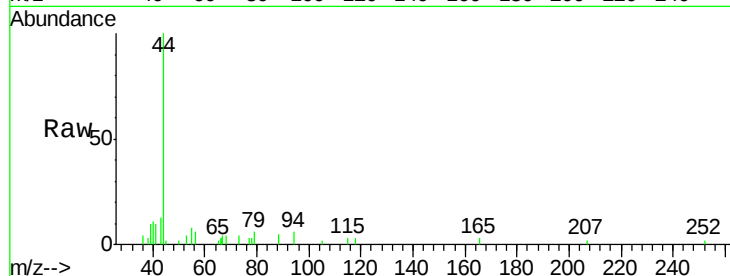


#19

Methyl tert-butyl Ether
 Concen: 76.638 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-3-012319

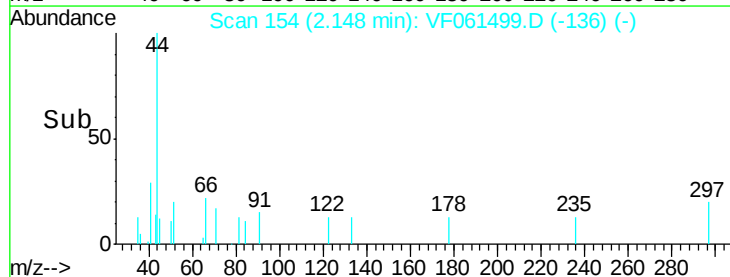
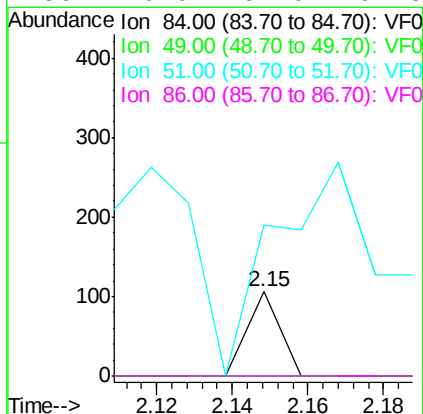
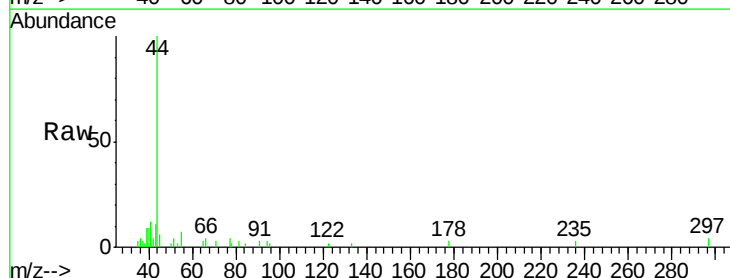
Tot Ion: 73 Resp: 191
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.8 22.2#

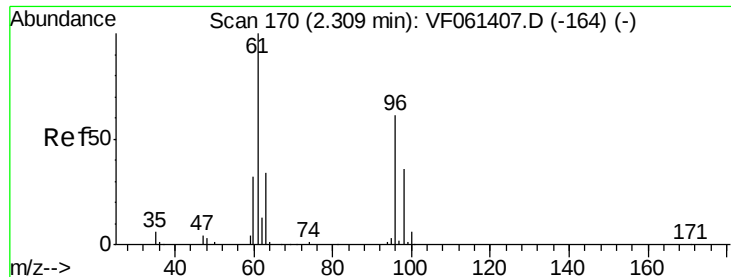


#20

Methylene Chloride
 Concen: 60.308 ug/l
 RT: 2.15 min Scan# 154
 Delta R.T. -0.02 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

Tgt Ion: 84 Resp: 63
 Ion Ratio Lower Upper
 84 100
 49 0.0 120.0 180.0#
 51 179.2 38.6 58.0#
 86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 58.045 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.06 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-3-012319

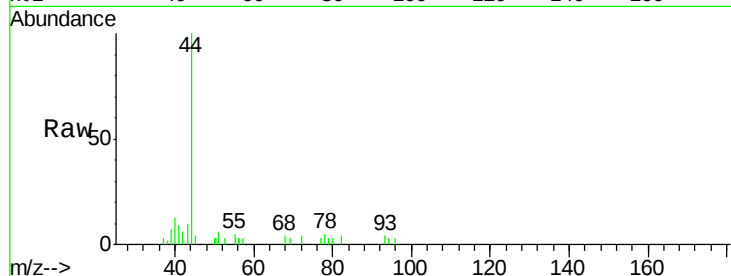
Tot Ion: 96 Resp: 71

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

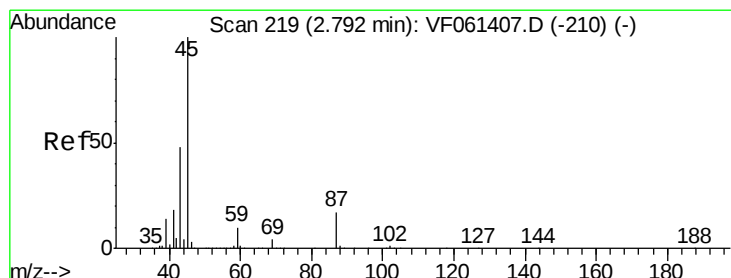
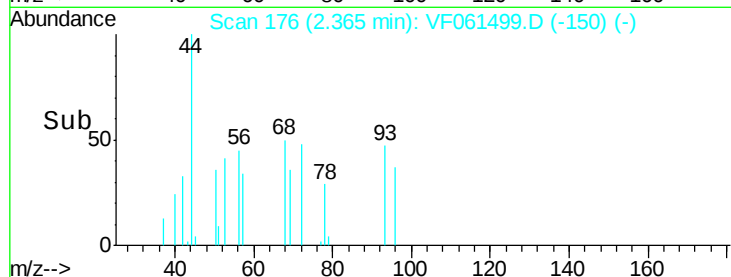
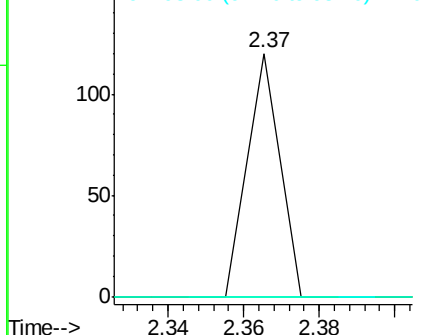
98 0.0 47.4 71.0#



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



#22

Diisopropyl ether

Concen: 128.149 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.02 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Tgt Ion: 45 Resp: 507

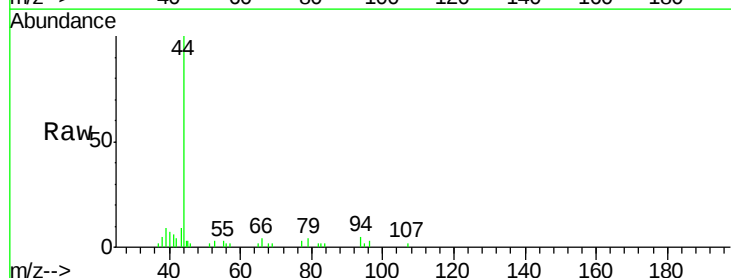
Ion Ratio Lower Upper

45 100

43 140.2 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

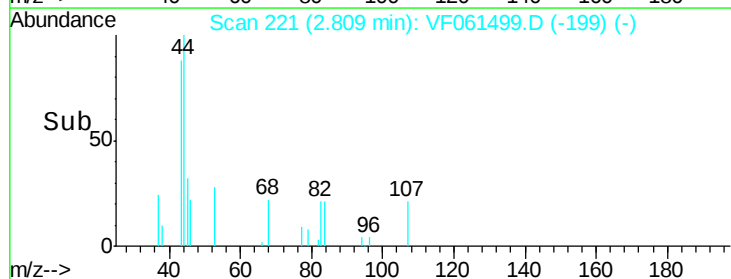
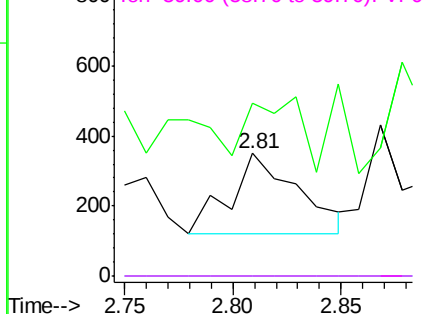


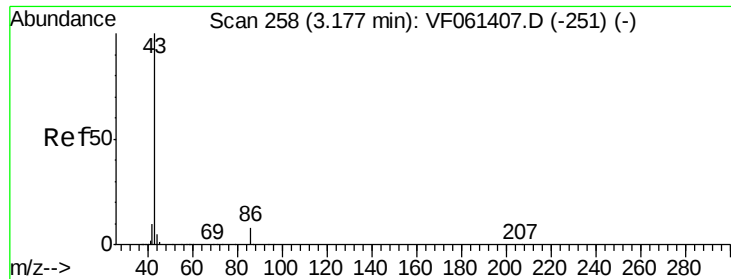
Abundance Ion 45.00 (44.70 to 45.70): VF0

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





#23

Vinyl Acetate

Concen: 369.676 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

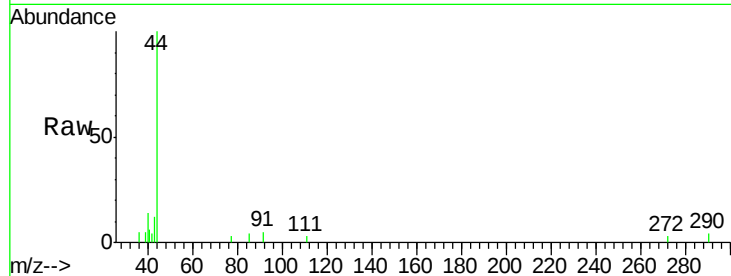
TR-05-RO-3-012319

Tot Ion: 43 Resp: 646

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

500

400

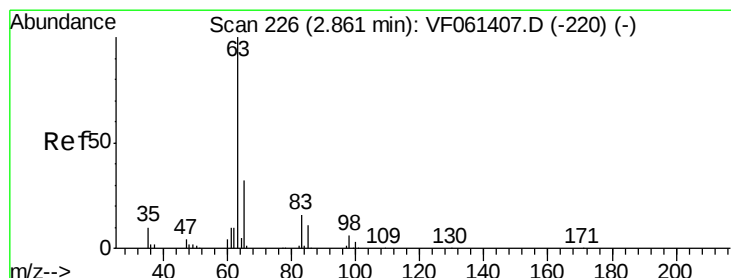
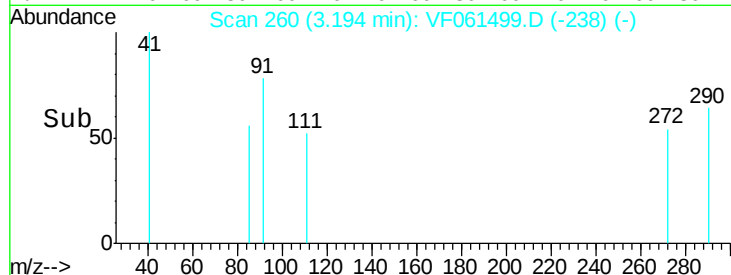
300

200

100

0

Time--> 3.14 3.16 3.18 3.20 3.22



#24

1,1-Dichloroethane

Concen: 91.418 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

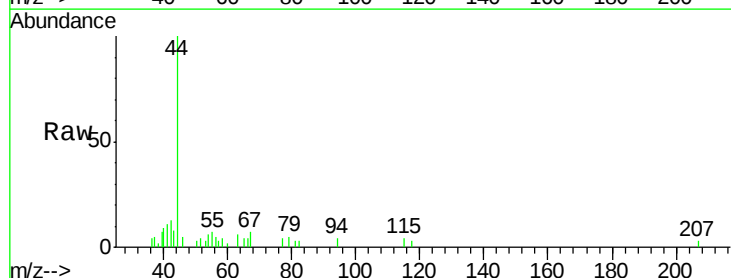
Tgt Ion: 63 Resp: 227

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

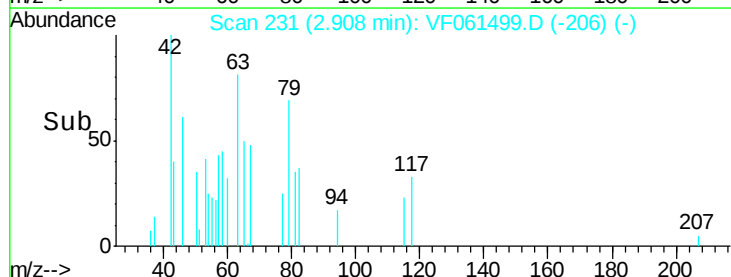
300

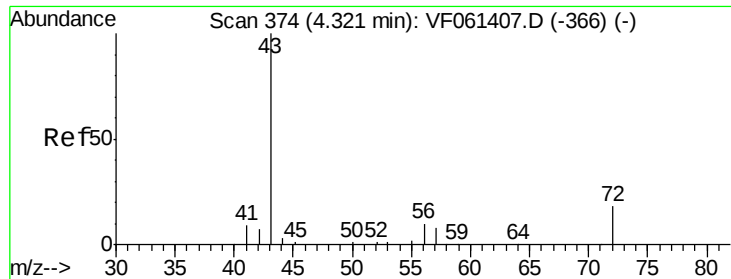
200

100

0

Time--> 2.86 2.88 2.90 2.92 2.94





#25

2-Butanone

Concen: 297.172 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

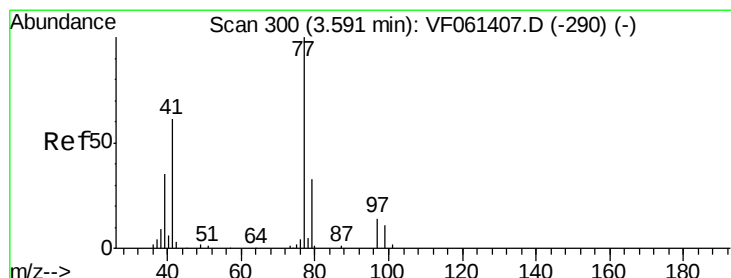
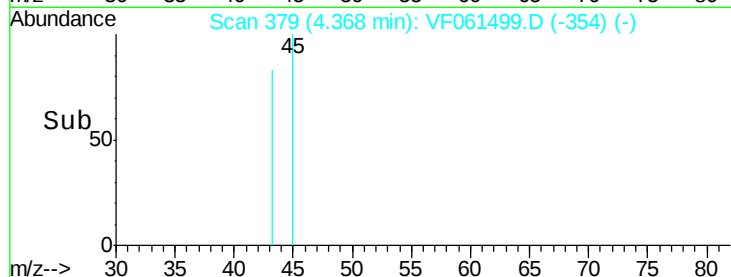
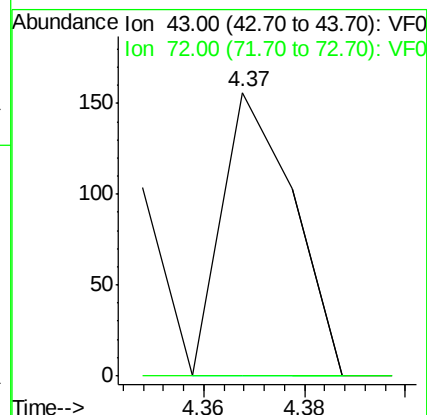
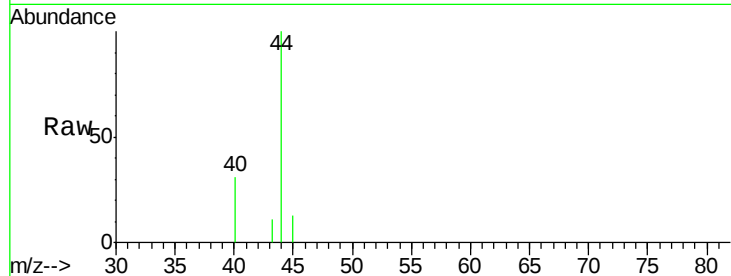
TR-05-RO-3-012319

Tot Ion: 43 Resp: 153

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#26

2,2-Dichloropropane

Concen: 38.674 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061499.D

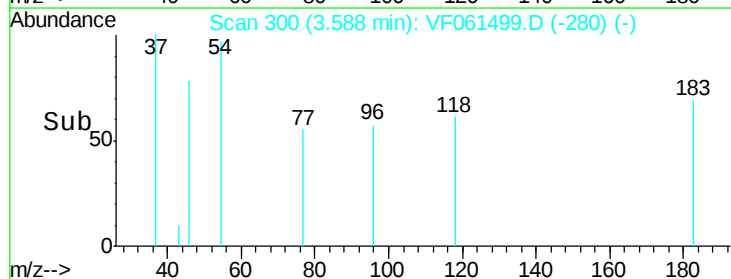
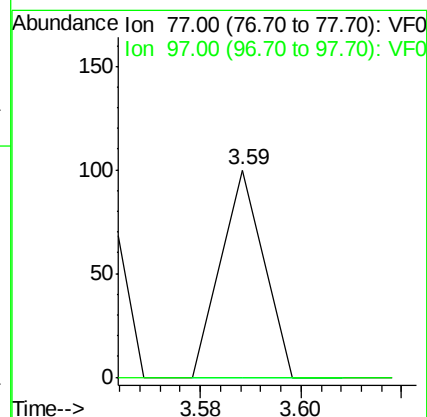
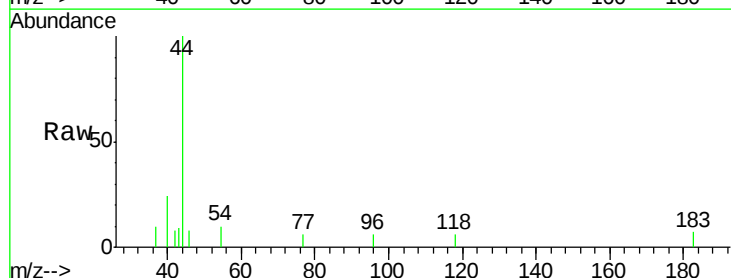
Acq: 24 Jan 2019 14:42

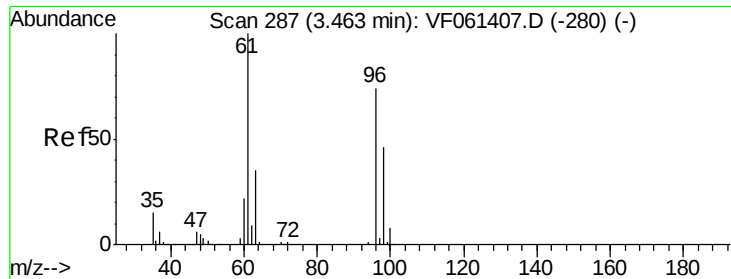
Tgt Ion: 77 Resp: 59

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#



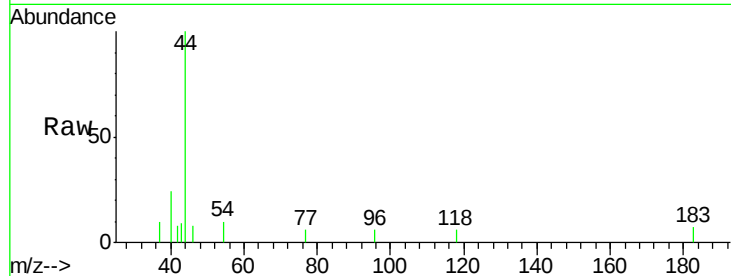


#27

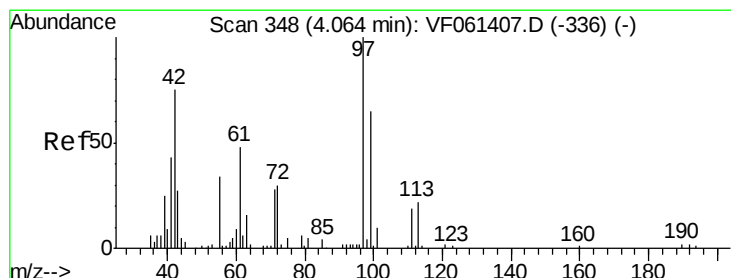
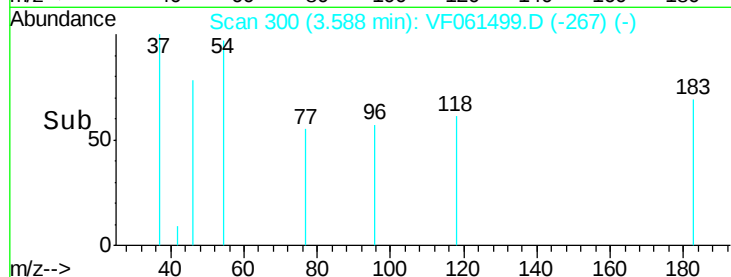
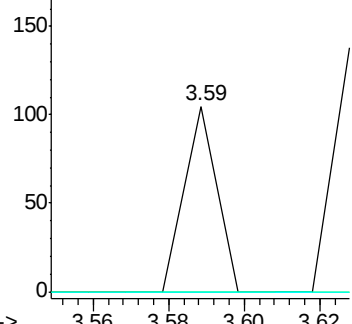
cis-1,2-Dichloroethene
Concen: 34.337 ug/l
RT: 3.59 min Scan# 300
Delta R.T. 0.13 min
Lab File: VF061499.D
Acq: 24 Jan 2019 14:42

Instrument :
MSVOA_F
ClientSampleId :
TR-05-RO-3-012319

Tot Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 0.0 0.0 270.2
98 0.0 0.0 124.0



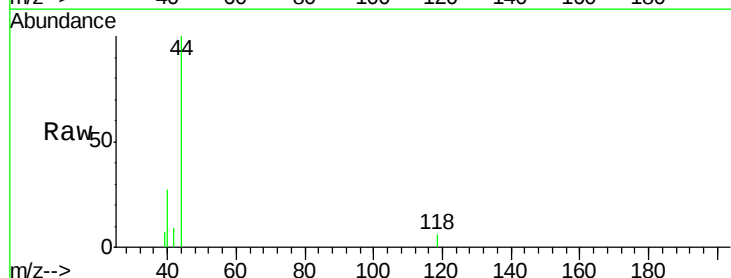
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



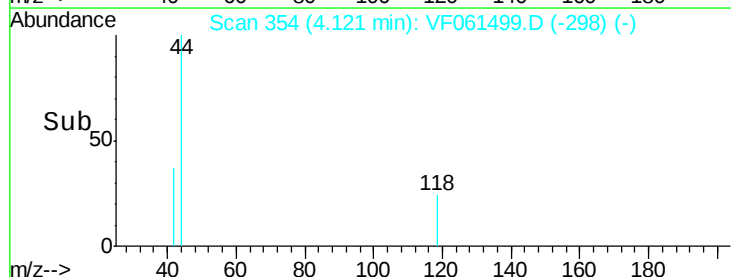
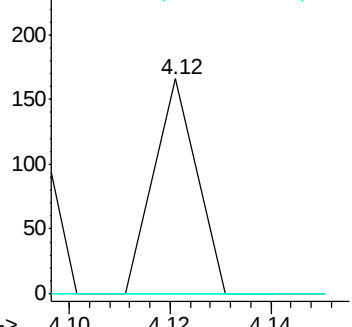
#29

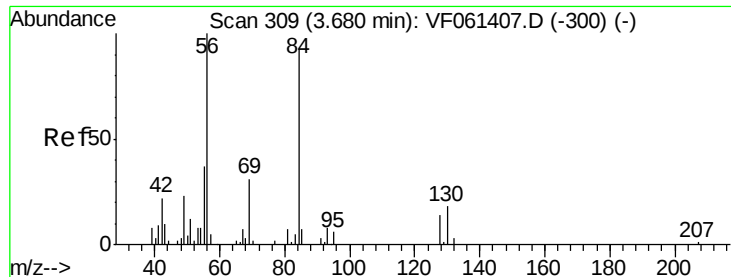
Tetrahydrofuran
Concen: 442.054 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.06 min
Lab File: VF061499.D
Acq: 24 Jan 2019 14:42

Tgt Ion: 42 Resp: 98
Ion Ratio Lower Upper
42 100
72 0.0 28.9 43.3#
71 0.0 29.6 44.4#



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





#31

Cvclohexane

Concen: 64.103 ug/l

RT: 3.73 min Scan# 314

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-3-012319

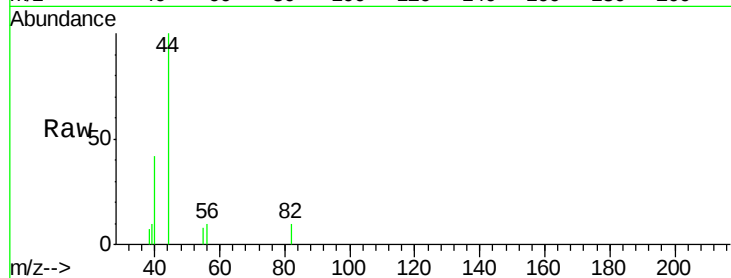
Tot Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

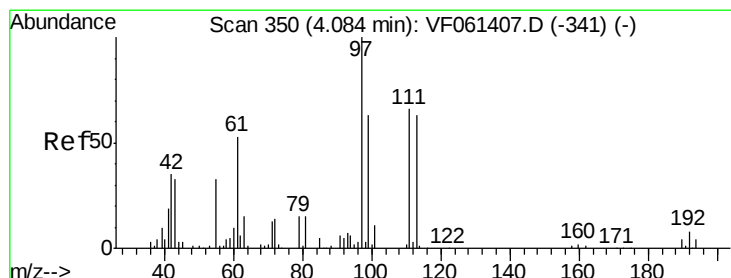
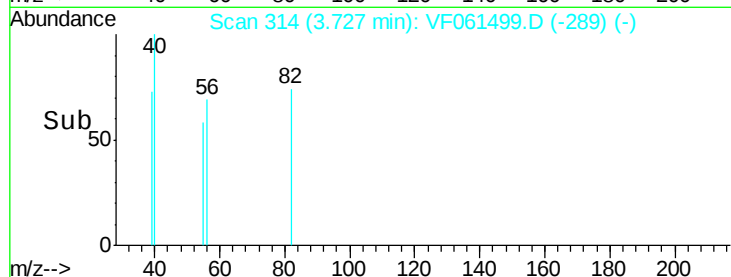
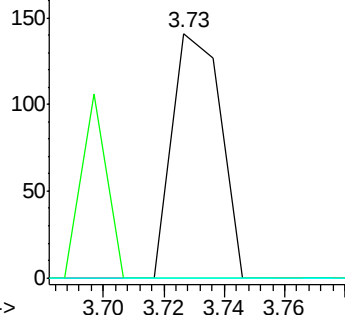
84 0.0 74.2 111.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 25.640 ug/l

RT: 4.18 min Scan# 360

Delta R.T. 0.10 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

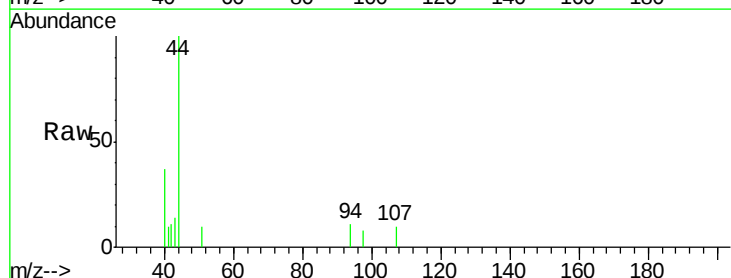
Tgt Ion: 97 Resp: 63

Ion Ratio Lower Upper

97 100

99 0.0 50.1 75.1#

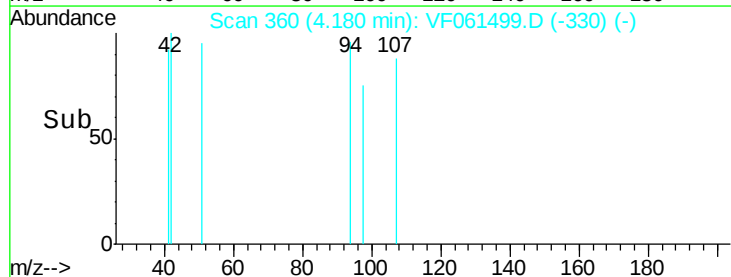
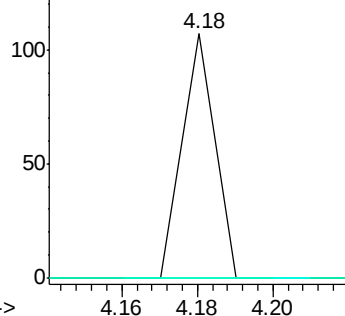
61 0.0 43.1 64.7#

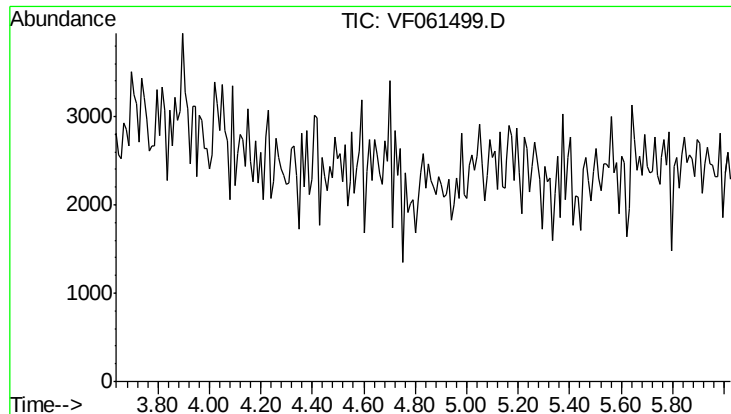


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

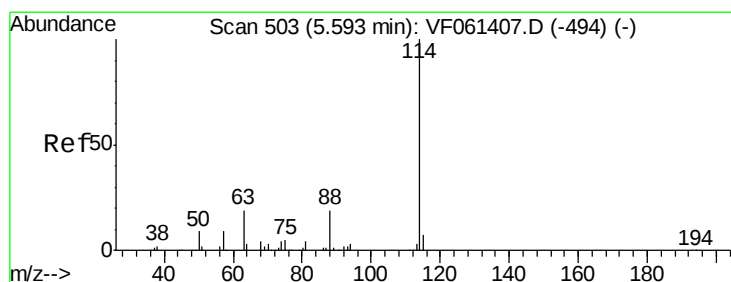
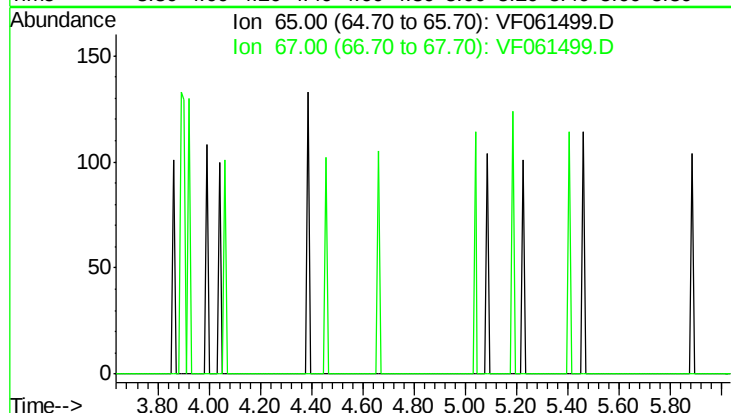




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 4.83 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

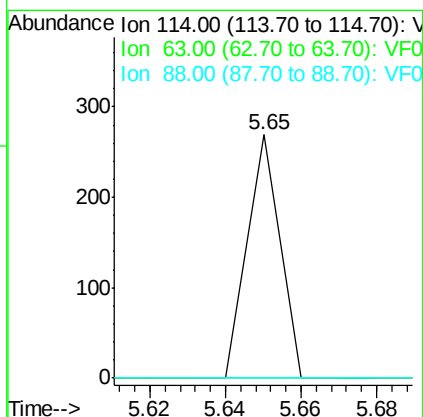
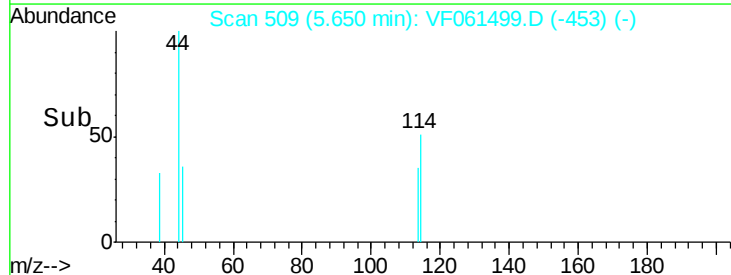
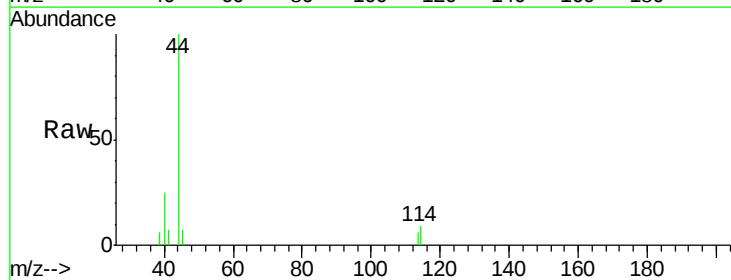
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-3-012319

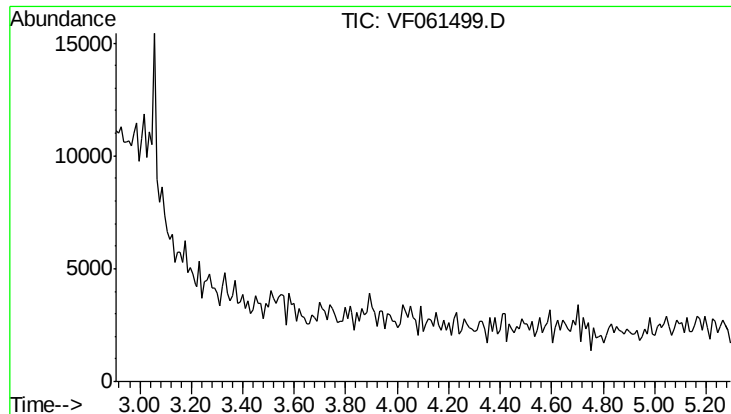
Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 49.9



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.06 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

Tgt Ion:114 Resp: 159
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 39.0
 88 0.0 0.0 37.4

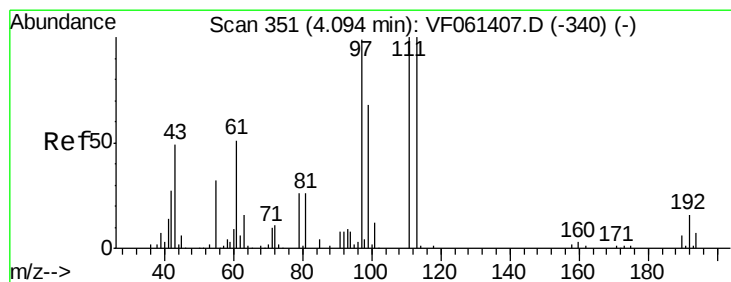
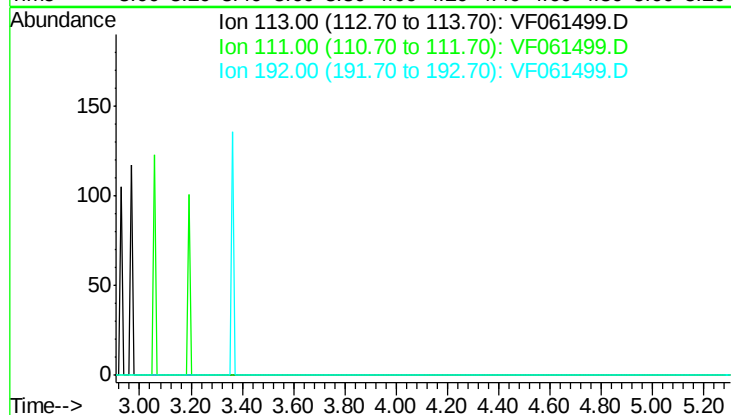




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.10 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

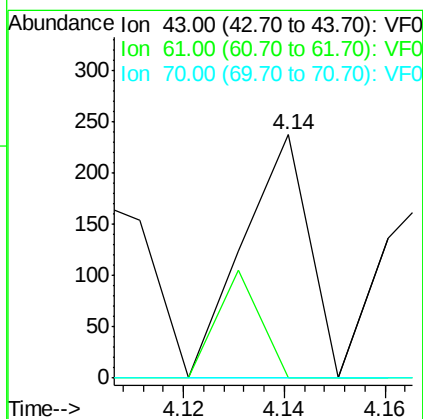
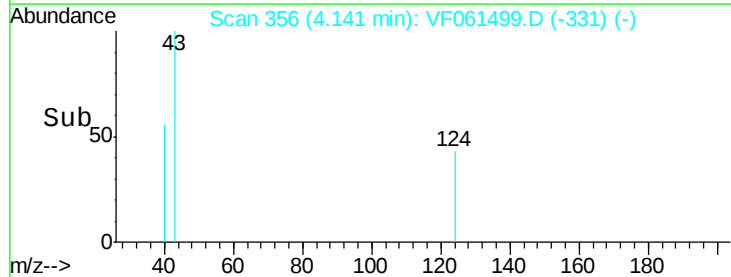
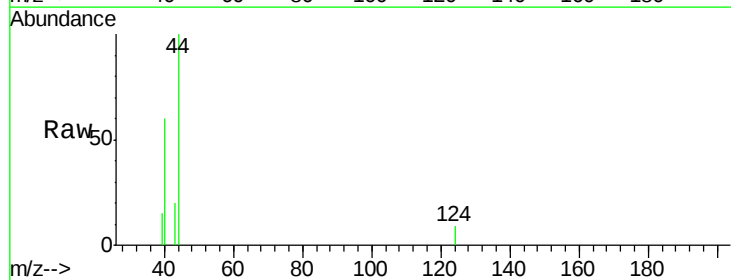
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-3-012319

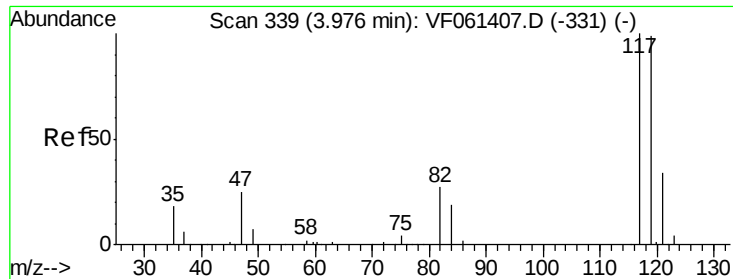
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 99.2
 192 15.5



#37
 Ethyl Acetate
 Concen: 290.399 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.05 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

Tgt Ion: 43 Resp: 214
 Ion Ratio Lower Upper
 43 100
 61 0.0 81.7 122.5#
 70 0.0 6.2 9.2#





#38

Carbon Tetrachloride

Concen: 44.674 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.13 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-3-012319

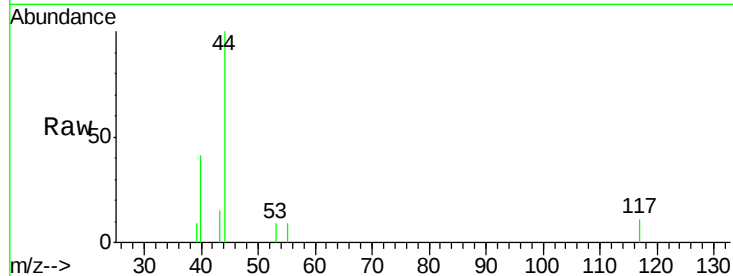
Tot Ion:117 Resp: 72

Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

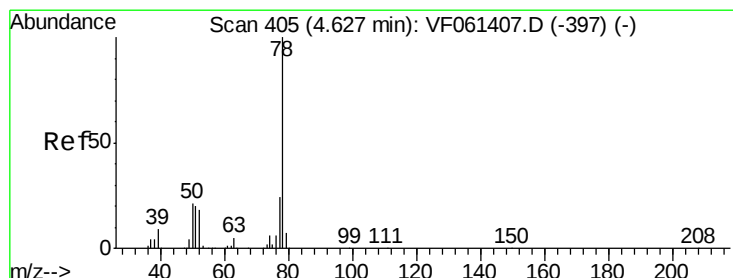
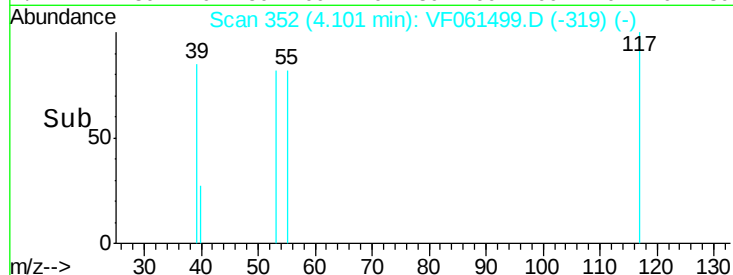
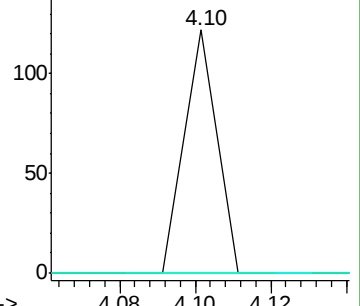
121 0.0 27.0 40.6#



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



#40

Benzene

Concen: 18.283 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.14 min

Lab File: VF061499.D

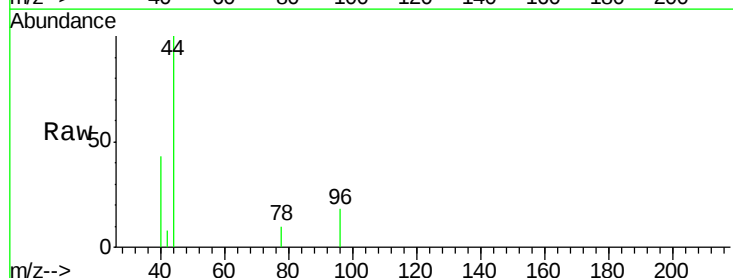
Acq: 24 Jan 2019 14:42

Tgt Ion: 78 Resp: 75

Ion Ratio Lower Upper

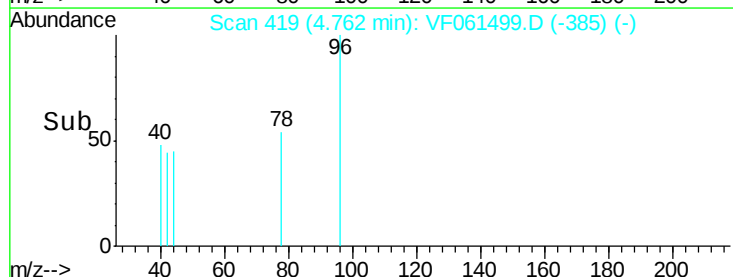
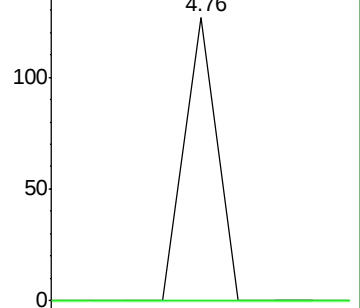
78 100

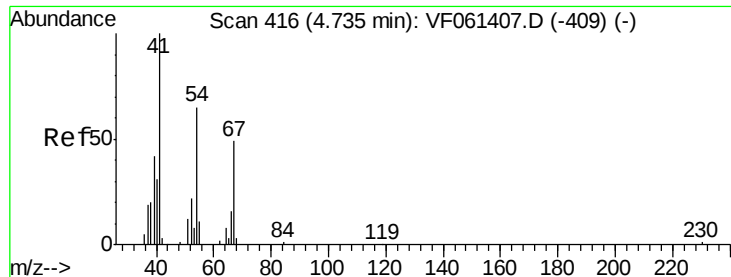
77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 441.195 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-3-012319

Tot Ion: 41 Resp: 173

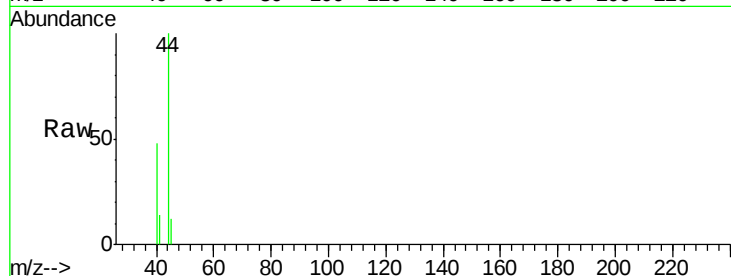
Ion Ratio Lower Upper

41 100

39 0.0 43.1 64.7#

67 0.0 38.8 58.2#

52 0.0 33.2 49.8#

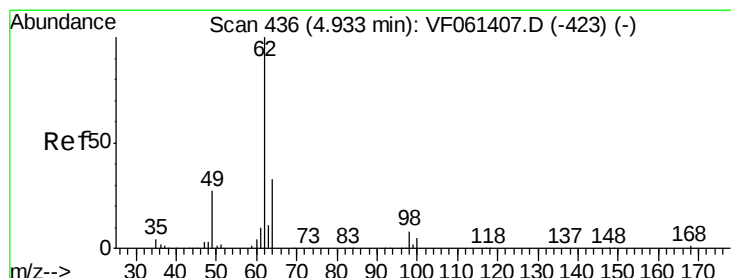
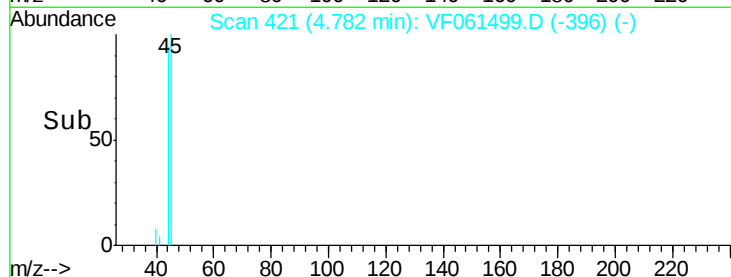
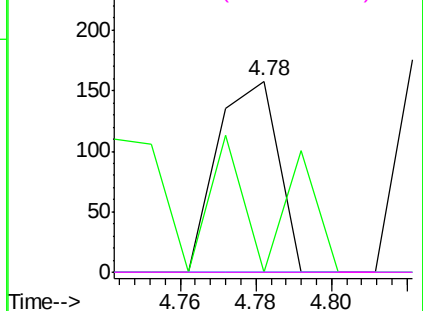


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 41.730 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.03 min

Lab File: VF061499.D

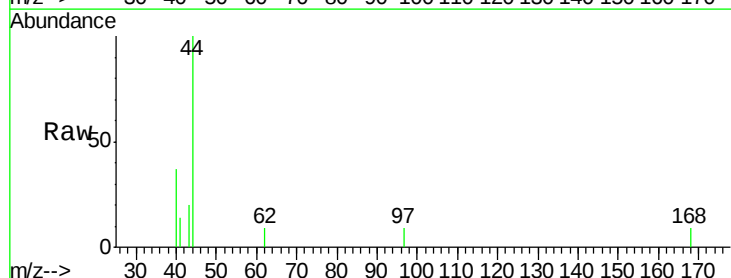
Acq: 24 Jan 2019 14:42

Tgt Ion: 62 Resp: 61

Ion Ratio Lower Upper

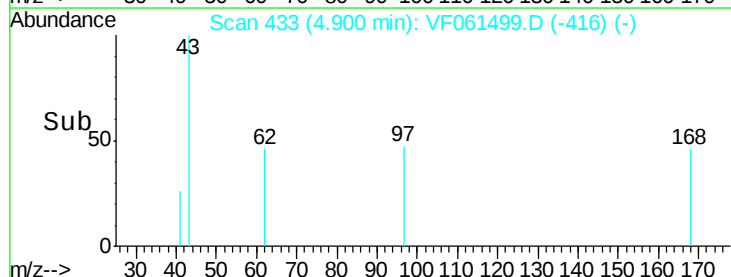
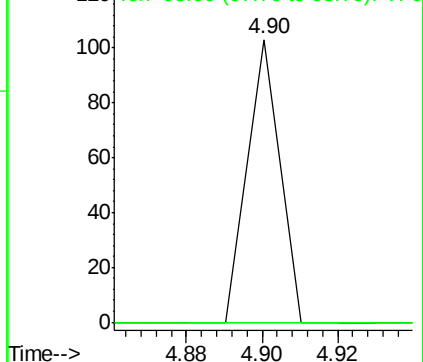
62 100

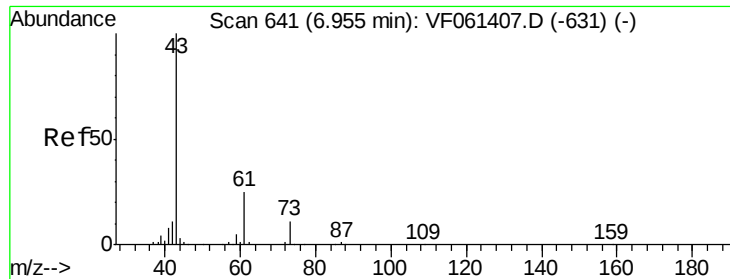
98 0.0 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 216.244 ug/l

RT: 6.96 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-3-012319

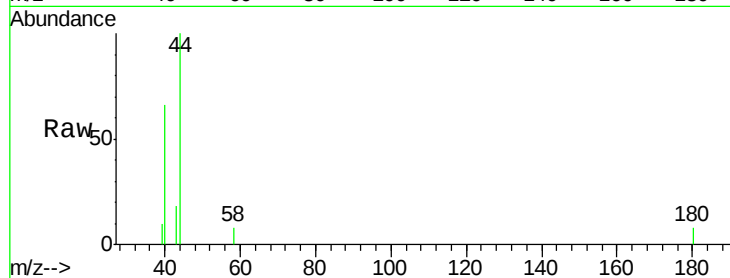
Tot Ion: 43 Resp: 200

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

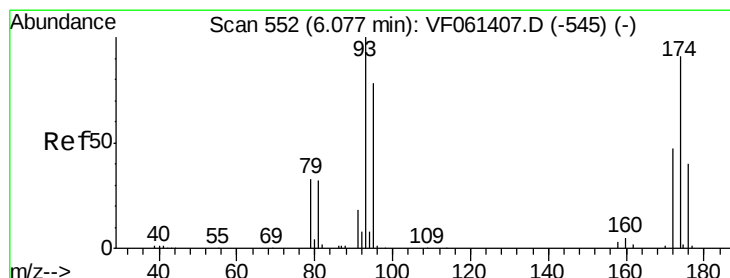
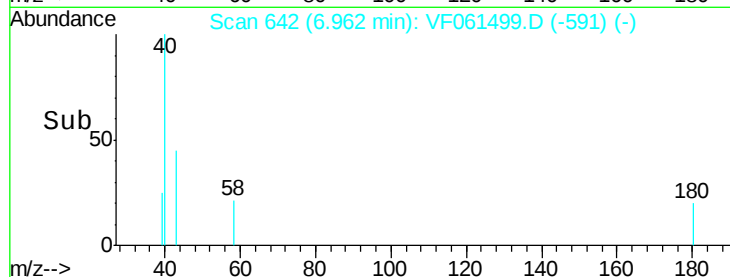
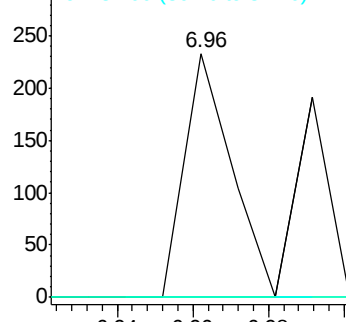
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#46

Dibromomethane

Concen: 99.177 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.05 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

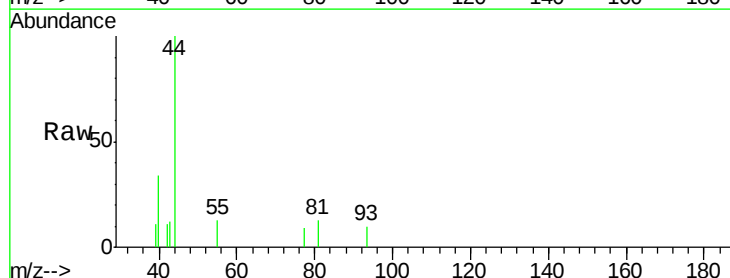
Tgt Ion: 93 Resp: 71

Ion Ratio Lower Upper

93 100

95 0.0 62.1 93.1#

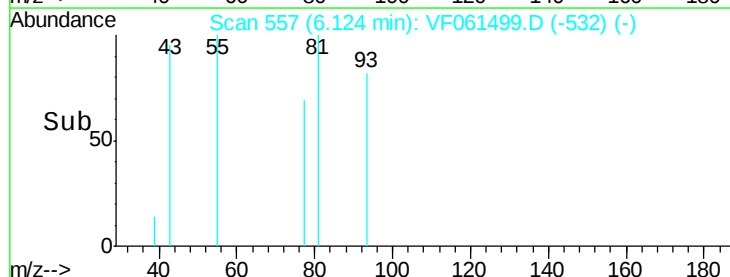
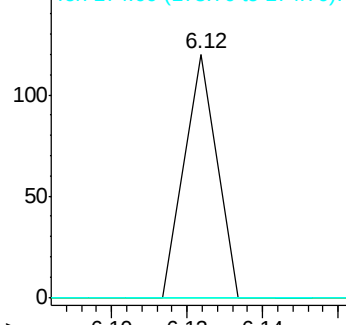
174 0.0 74.6 111.8#

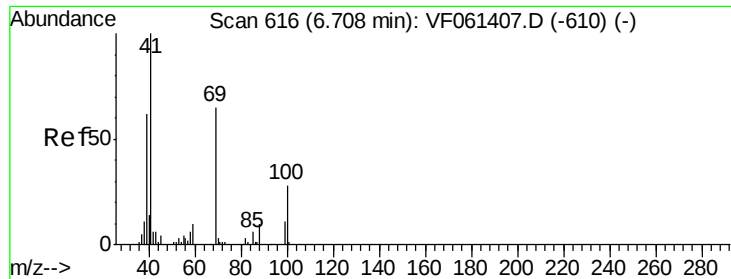


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#48

Methyl methacrylate

Concen: 117.541 ug/l

RT: 6.80 min Scan# 626

Delta R.T. 0.10 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-3-012319

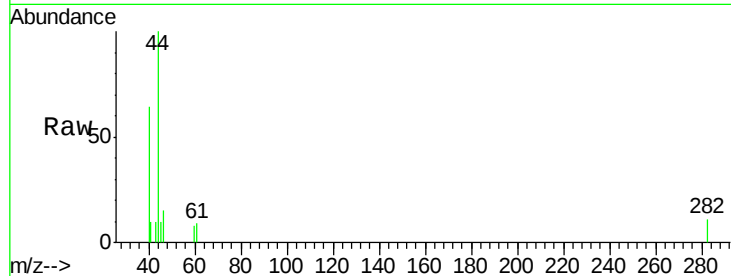
Tot Ion: 41 Resp: 73

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

39 0.0 49.2 73.8#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

250

200

150

100

50

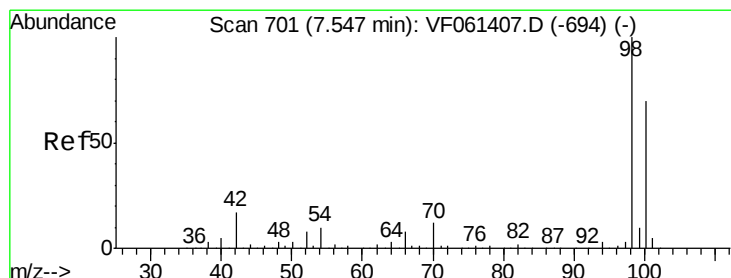
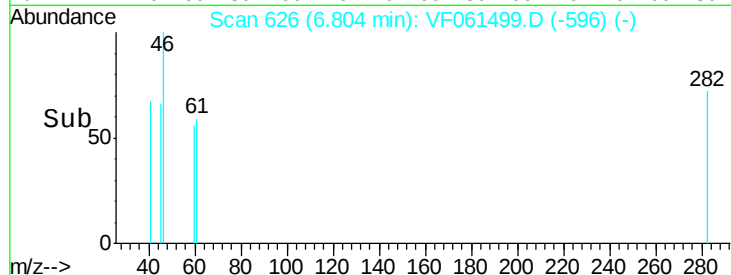
0

6.78

6.80

6.82

Time-->



#50

Toluene-d8

Concen: 54.691 ug/l

RT: 7.59 min Scan# 706

Delta R.T. 0.05 min

Lab File: VF061499.D

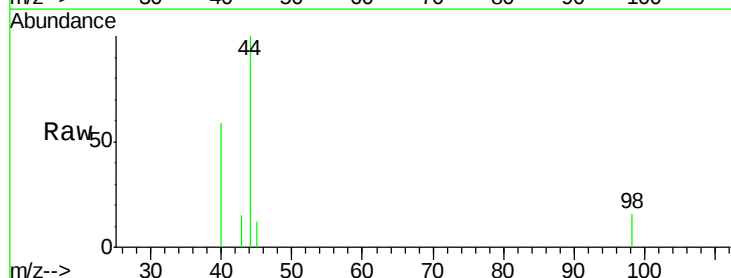
Acq: 24 Jan 2019 14:42

Tgt Ion: 98 Resp: 188

Ion Ratio Lower Upper

98 100

100 0.0 55.6 83.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

200

150

100

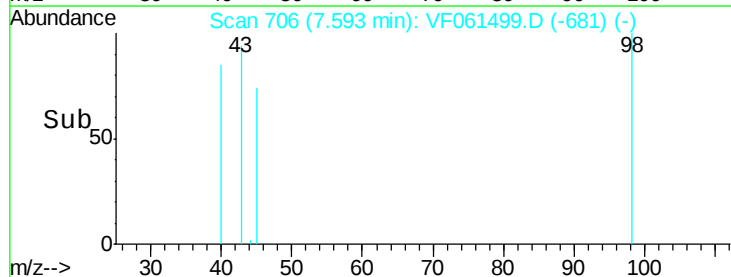
50

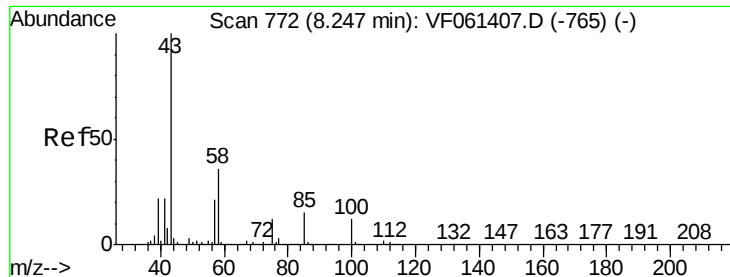
0

7.55

7.60

Time-->





#51

4-Methyl-2-Pentanone

Concen: 404.450 ug/l

RT: 8.37 min Scan# 785

Delta R.T. 0.13 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

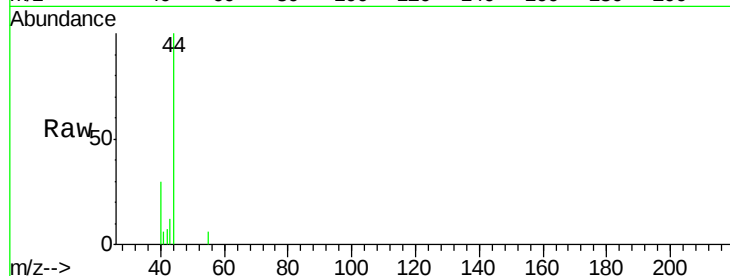
TR-05-RO-3-012319

Tot Ion: 43 Resp: 275

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

8.37

200

150

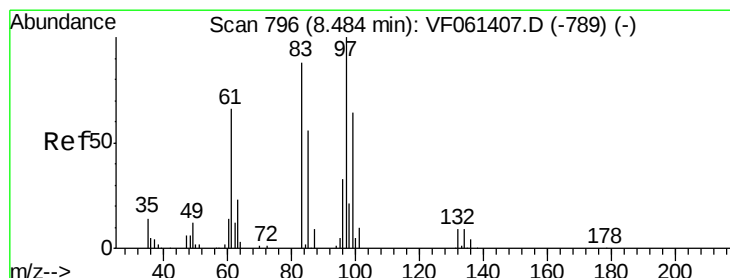
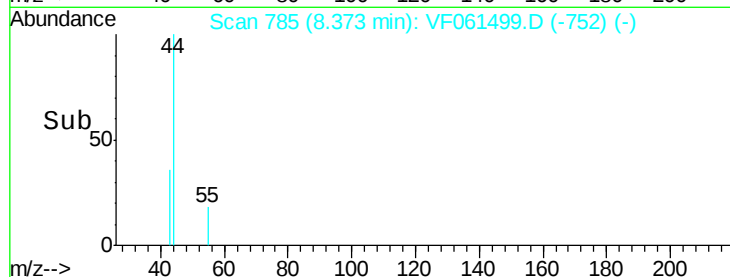
100

50

0

8.35 8.40

Time-->



#55

1,1,2-Trichloroethane

Concen: 101.678 ug/l

RT: 8.69 min Scan# 817

Delta R.T. 0.20 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Tgt Ion: 97 Resp: 78

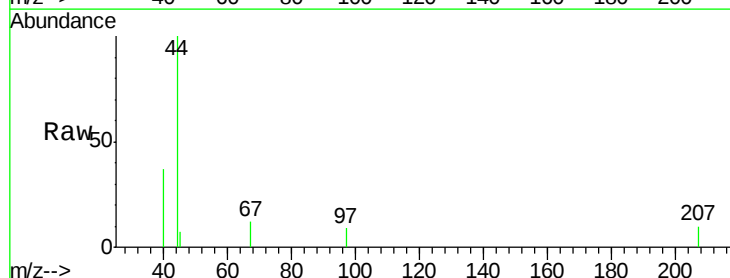
Ion Ratio Lower Upper

97 100

83 0.0 70.4 105.6#

85 0.0 44.7 67.1#

99 0.0 50.8 76.2#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

200

150

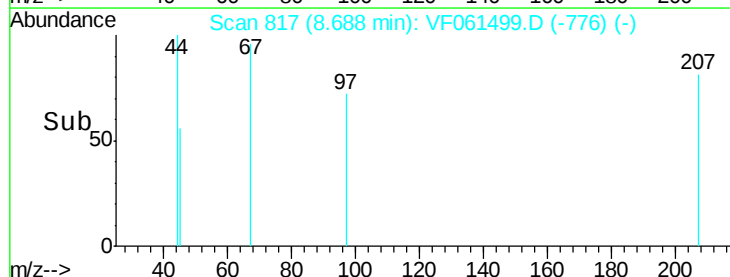
100

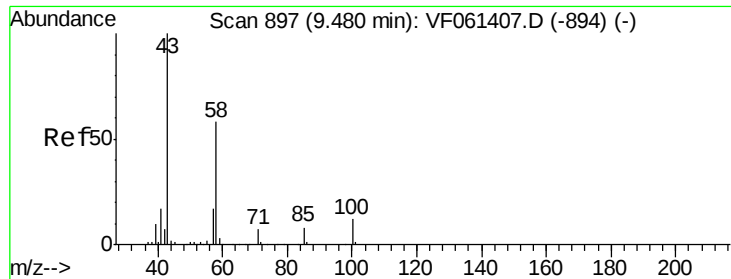
50

0

8.66 8.68 8.70 8.72

Time-->





#59

2-Hexanone

Concen: 514.624 ug/l

RT: 9.57 min Scan# 906

Delta R.T. 0.09 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

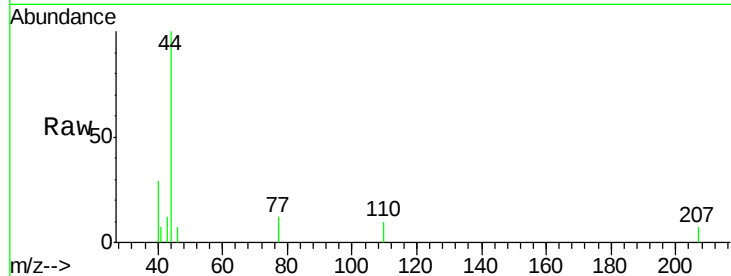
TR-05-RO-3-012319

Tot Ion: 43 Resp: 244

Ion Ratio Lower Upper

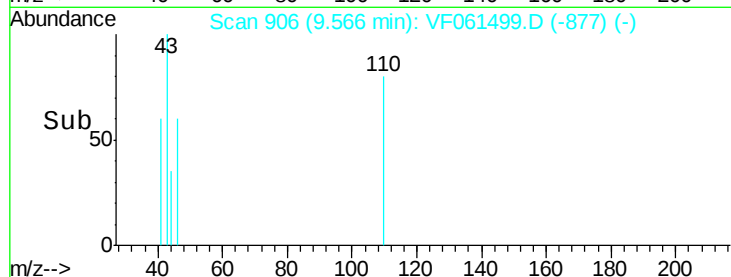
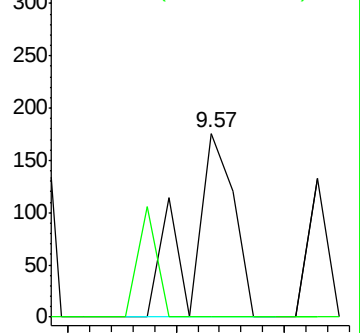
43 100

58 0.0 25.9 77.6#

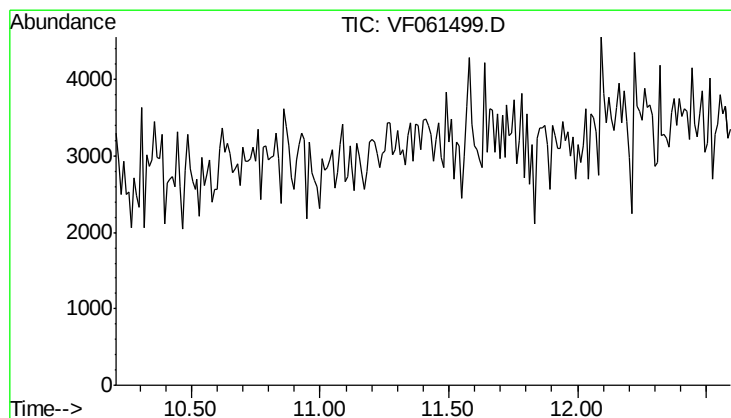


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.40 min

Lab File: VF061499.D

Acq: 24 Jan 2019 14:42

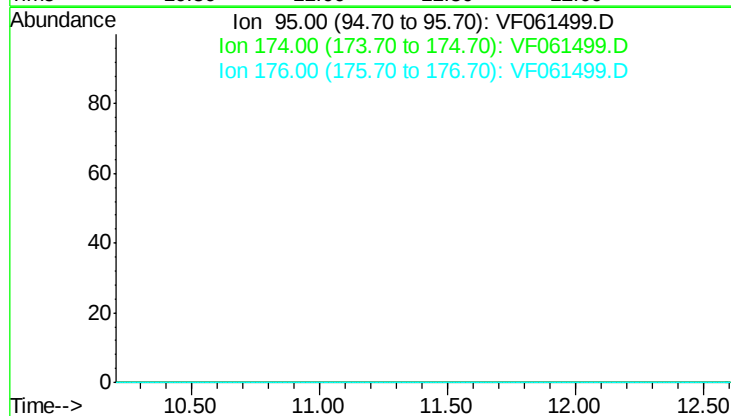
Tgt Ion: 95

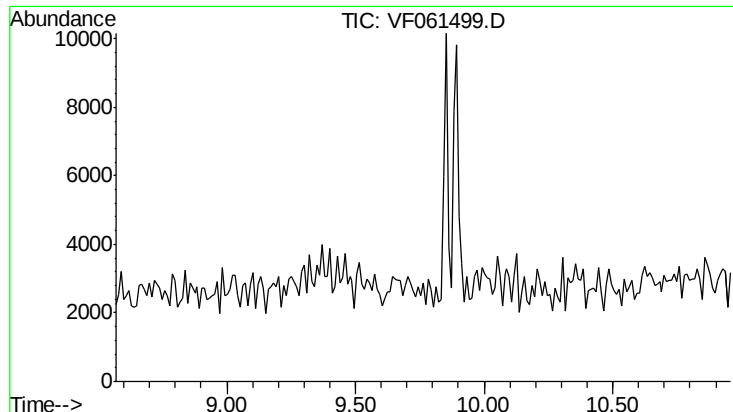
Sig Exp Ratio

95 100

174 65.2

176 63.1



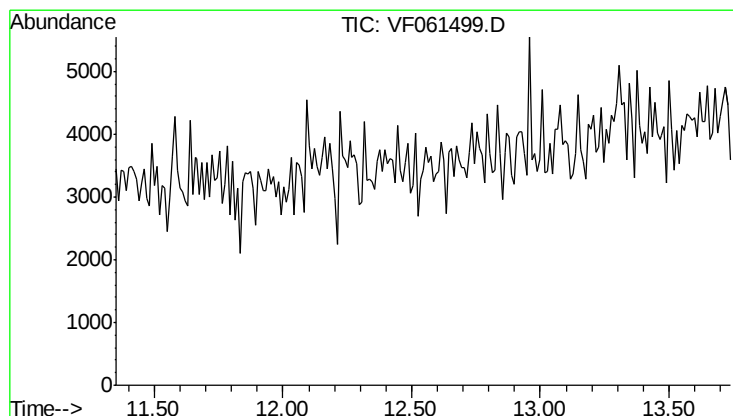
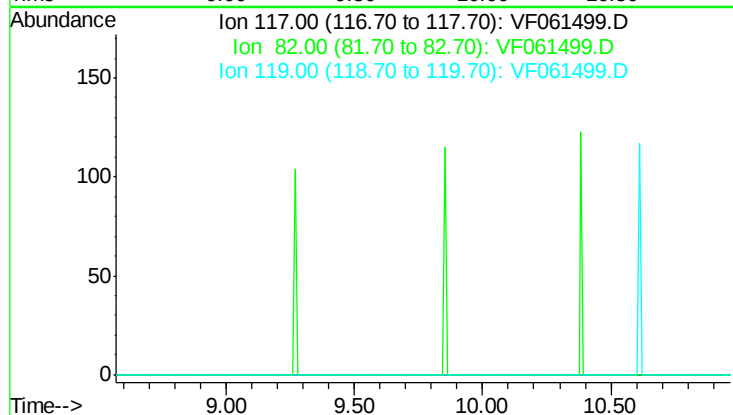


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.77 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-3-012319

Tot Ion: 117

Sig	Exp Ratio
117	100
82	58.0
119	34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061499.D
 Acq: 24 Jan 2019 14:42

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	60.0
150	160.7

