

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061389.D
 Acq On : 14 Jan 2019 15:09
 Operator : VA/AP
 Sample : K1015-07
 Misc : 6.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-011119-B

Quant Time: Jan 14 21:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	1123	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	1358	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	943	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	314	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	126	10.08	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	20.16%	
35) Dibromofluoromethane	4.11	113	99	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
50) Toluene-d8	7.54	98	1847	60.07	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	120.14%	
62) 4-Bromofluorobenzene	11.41	95	213	15.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.72%	

Target Compounds						Qvalue
3) Chloromethane	1.11	50	130	7.043	ug/l #	7
5) Bromomethane	1.27	94	808	65.472	ug/l #	6
6) Chloroethane	1.38	64	81	10.061	ug/l #	45
8) Diethyl Ether	1.76	74	75	18.274	ug/l #	1
10) Methyl Iodide	1.71	142	63	2.725	ug/l #	32
12) 1,1-Dichloroethene	1.74	96	157	13.304	ug/l #	1
13) Acrolein	1.85	56	212	402.473	ug/l	89
14) Allyl chloride	2.10	41	624	28.929	ug/l #	68
15) Acrylonitrile	2.94	53	105	59.184	ug/l #	75
16) Acetone	2.26	43	741	254.838	ug/l	98
17) Carbon Disulfide	1.80	76	73	1.873	ug/l #	1
18) Methyl Acetate	2.36	43	1714	299.607	ug/l #	65
19) Methyl tert-butyl Ether	2.46	73	63	2.801	ug/l #	57
20) Methylene Chloride	2.15	84	191	15.527	ug/l #	1
21) trans-1,2-Dichloroethene	2.32	96	143	11.435	ug/l #	1
22) Diisopropyl ether	2.81	45	215	5.152	ug/l #	47
23) Vinyl Acetate	3.17	43	122	9.997	ug/l #	77
24) 1,1-Dichloroethane	2.87	63	66	2.734	ug/l #	87
25) 2-Butanone	4.31	43	759	162.181	ug/l #	56
27) cis-1,2-Dichloroethene	3.60	96	73	4.181	ug/l	1
29) Tetrahydrofuran	4.05	42	246	125.720	ug/l #	63
30) Chloroform	3.75	83	59	1.925	ug/l #	16
31) Cyclohexane	3.77	56	76	3.001	ug/l #	72
36) 1,1-Dichloropropene	4.22	75	65	4.099	ug/l #	42
37) Ethyl Acetate	4.10	43	175	30.303	ug/l #	1
39) Methylcyclohexane	5.33	83	59	2.973	ug/l #	15
40) Benzene	4.63	78	93	2.512	ug/l #	51
41) Methacrylonitrile	4.70	41	431	133.646	ug/l #	24
42) 1,2-Dichloroethane	4.80	62	65	5.639	ug/l	76
43) Isopropyl Acetate	6.94	43	94	12.329	ug/l #	45
48) Methyl methacrylate	6.66	41	97	19.600	ug/l #	21
51) 4-Methyl-2-Pentanone	8.22	43	500	86.884	ug/l #	38
56) Ethyl methacrylate	8.54	69	85	11.421	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.34	63	73	230.169	ug/l #	56

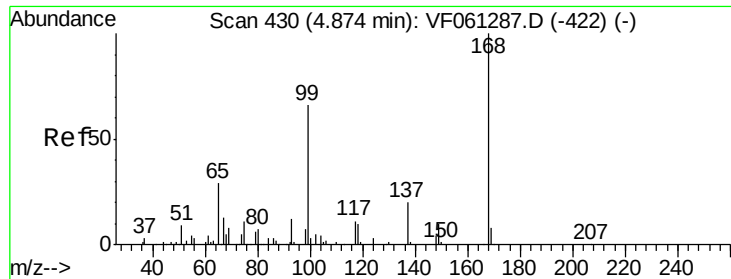
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	9.43	43	118	28.943	ug/l #	27
67) Ethyl Benzene	9.90	91	64	1.743	ug/l #	48
74) N-amyl acetate	11.41	43	356	56.680	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	11.65	83	91	20.772	ug/l #	25
76) 1,2,3-Trichloropropane	11.74	75	76	23.653	ug/l #	40
78) n-propylbenzene	11.61	91	73	2.216	ug/l #	55
79) 2-Chlorotoluene	11.64	91	84	4.577	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.74	75	76	54.126	ug/l #	17
83) tert-Butylbenzene	12.14	119	80	3.652	ug/l #	29
95) Naphthalene	14.45	128	62	4.666	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

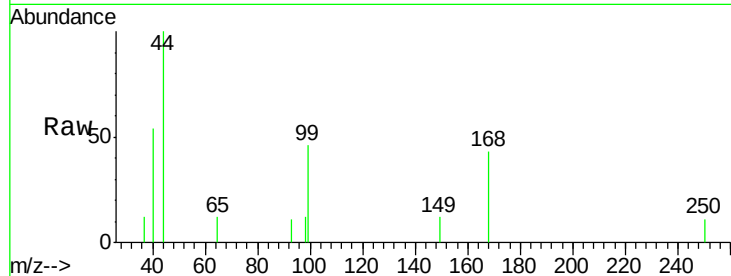
SU-02-011119-B

Tot Ion:168 Resp: 1123

Ion Ratio Lower Upper

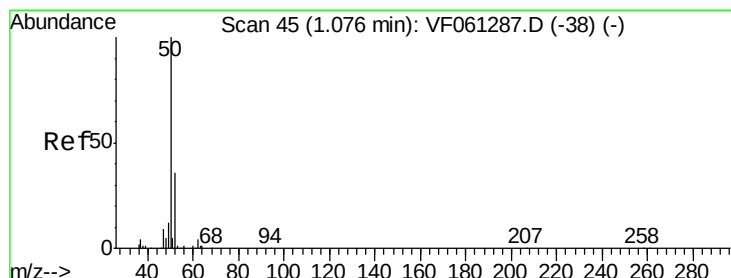
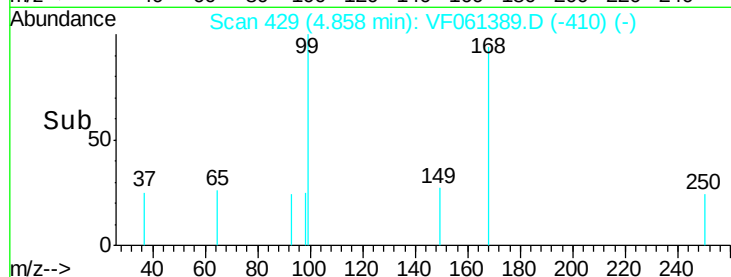
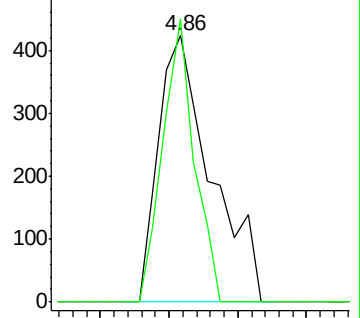
168 100

99 106.4 52.7 79.1#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 7.043 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.03 min

Lab File: VF061389.D

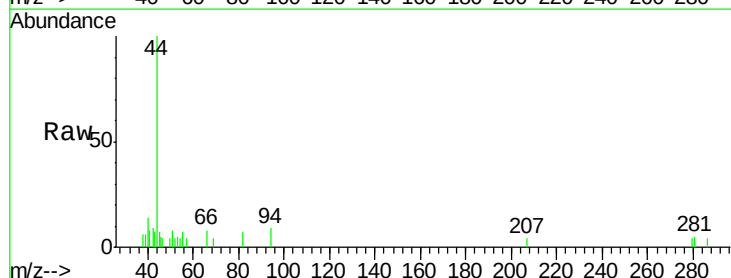
Acq: 14 Jan 2019 15:09

Tgt Ion: 50 Resp: 130

Ion Ratio Lower Upper

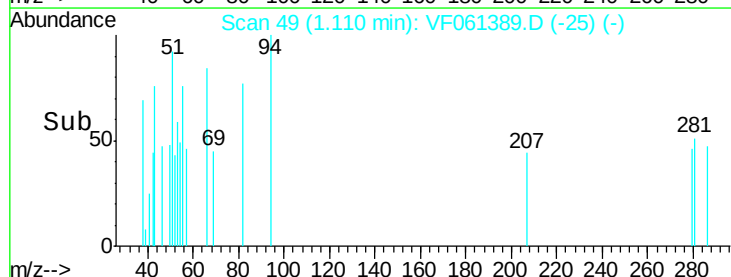
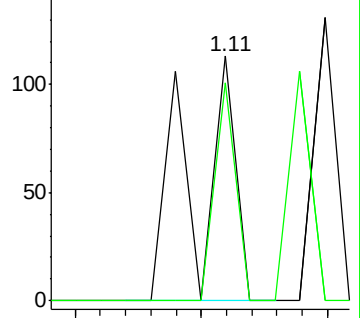
50 100

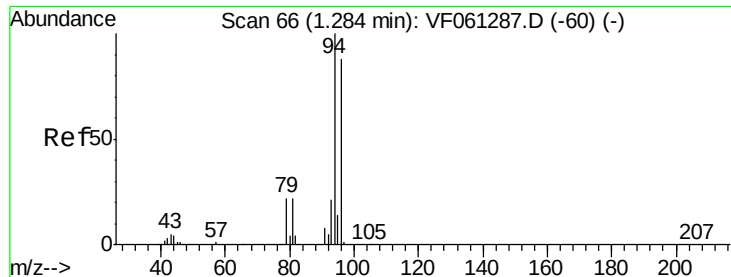
52 89.4 28.2 42.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#5

Bromomethane

Concen: 65.472 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.02 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

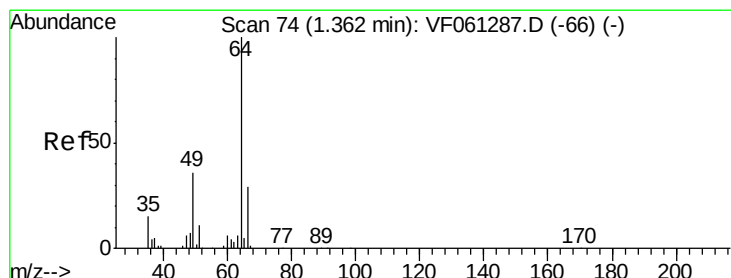
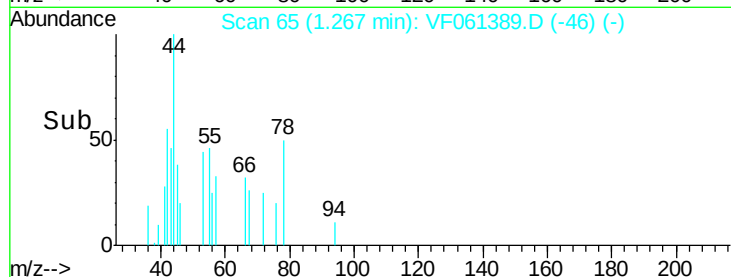
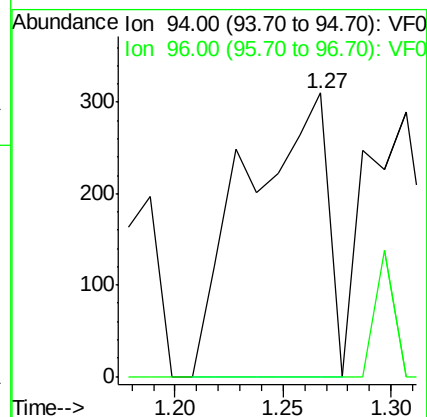
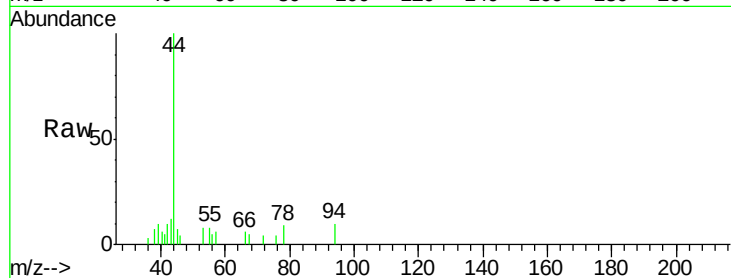
SU-02-011119-B

Tot Ion: 94 Resp: 808

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



#6

Chloroethane

Concen: 10.061 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061389.D

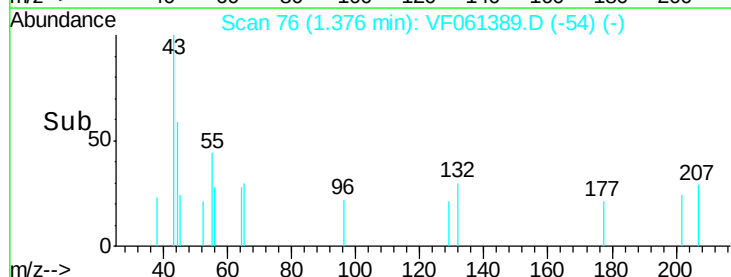
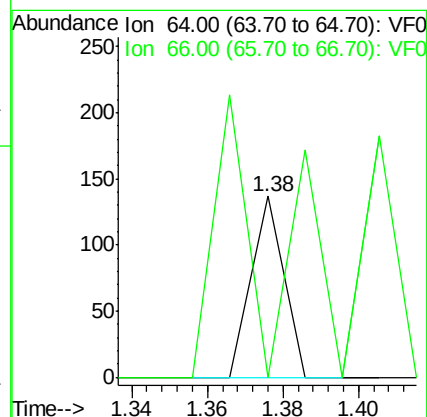
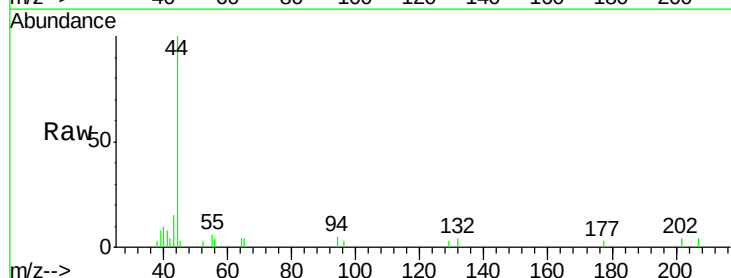
Acq: 14 Jan 2019 15:09

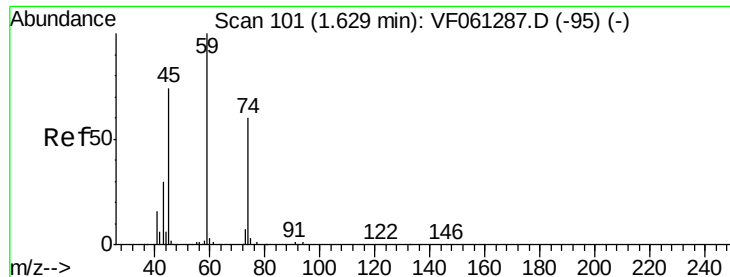
Tgt Ion: 64 Resp: 81

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.0#





#8

Diethyl Ether

Concen: 18.274 ug/l

RT: 1.76 min Scan# 115

Delta R.T. 0.13 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

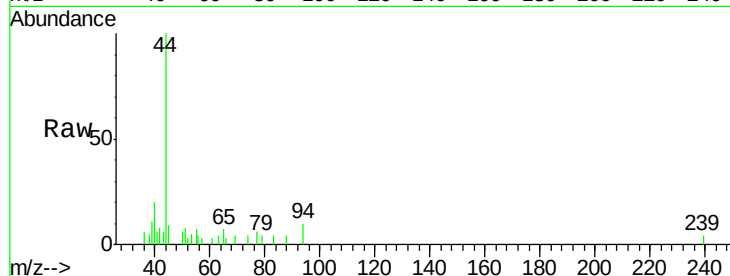
SU-02-011119-B

Tot Ion: 74 Resp: 75

Ion Ratio Lower Upper

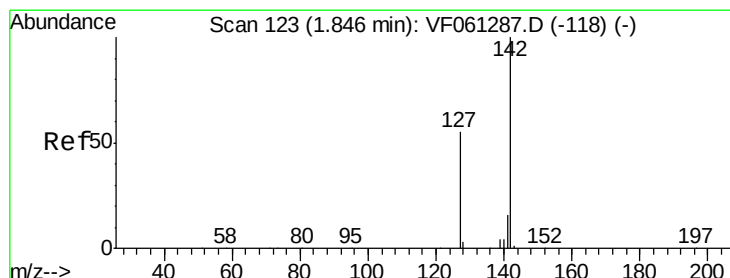
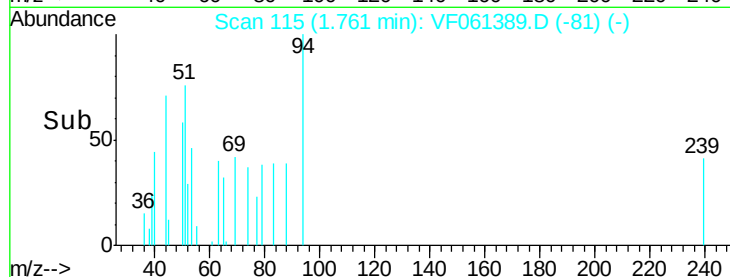
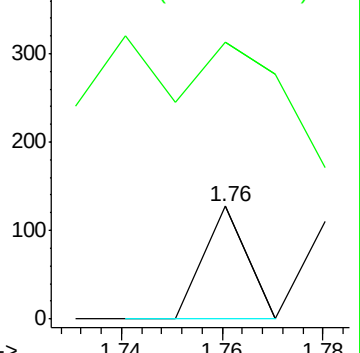
74 100

45 246.5 62.1 186.3#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#10

Methyl Iodide

Concen: 2.725 ug/l

RT: 1.71 min Scan# 110

Delta R.T. -0.13 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

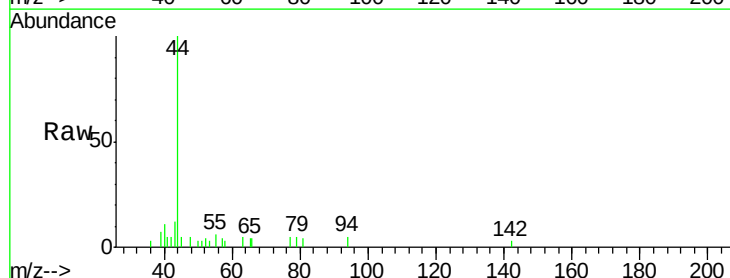
Tgt Ion: 142 Resp: 63

Ion Ratio Lower Upper

142 100

127 0.0 44.3 66.5#

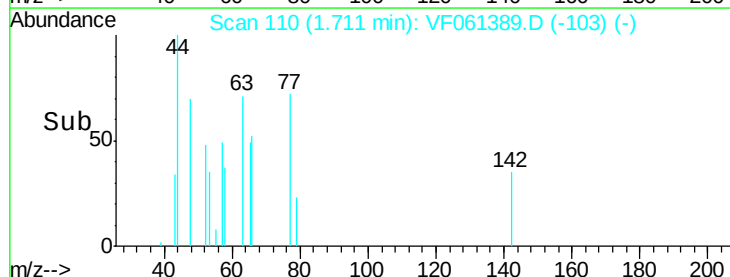
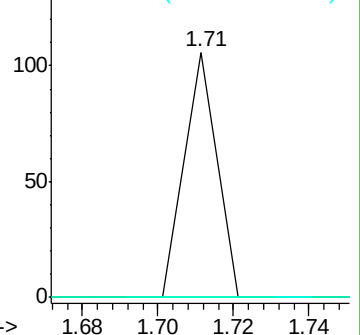
141 0.0 13.2 19.8#

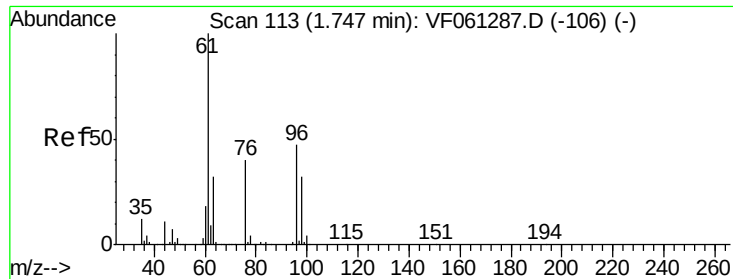


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#12

1,1-Dichloroethene

Concen: 13.304 ug/l

RT: 1.74 min Scan# 113

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

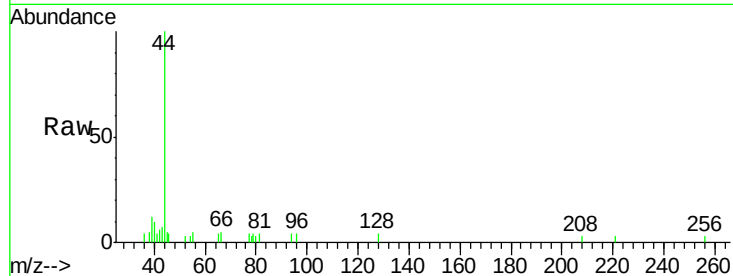
Tot Ion: 96 Resp: 157

Ion Ratio Lower Upper

96 100

61 0.0 171.8 257.8#

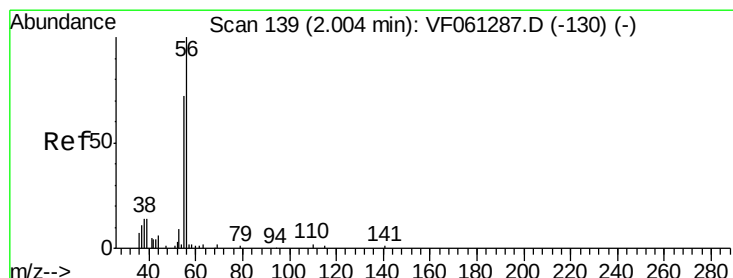
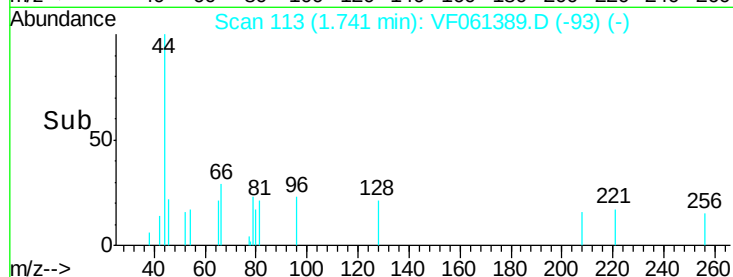
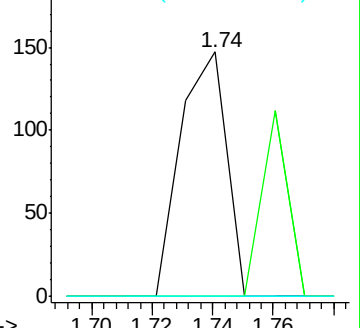
98 0.0 54.2 81.4#



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: 402.473 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.15 min

Lab File: VF061389.D

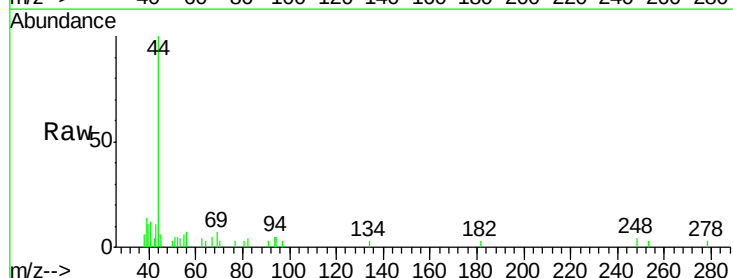
Acq: 14 Jan 2019 15:09

Tgt Ion: 56 Resp: 212

Ion Ratio Lower Upper

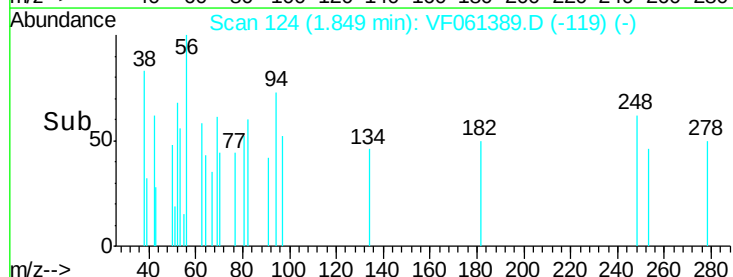
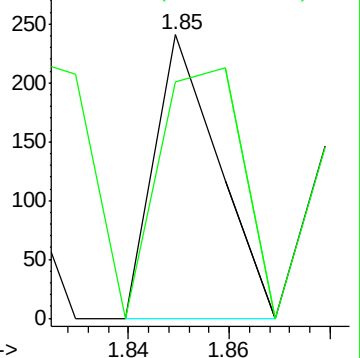
56 100

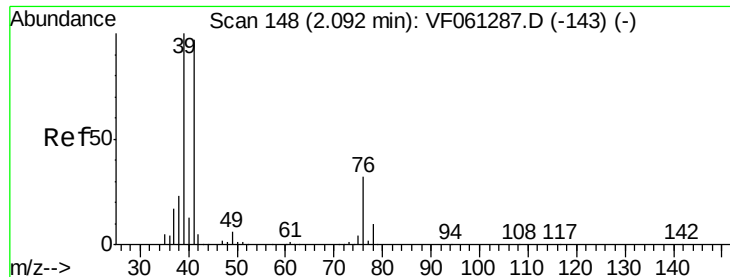
55 83.4 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

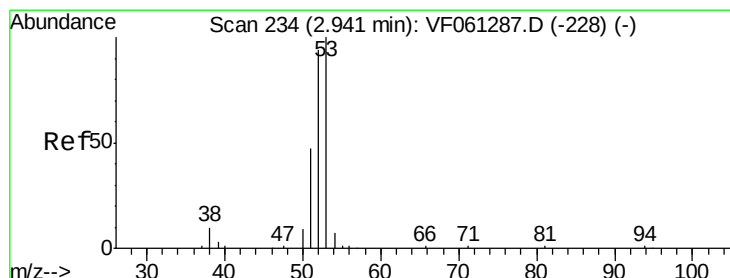
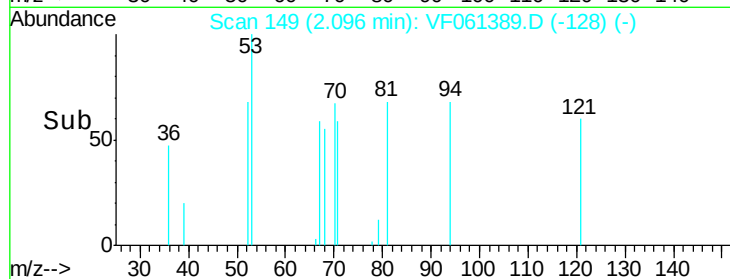
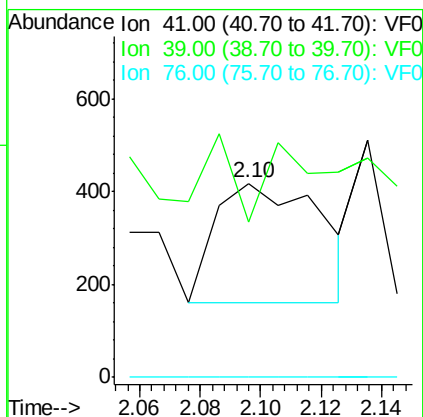
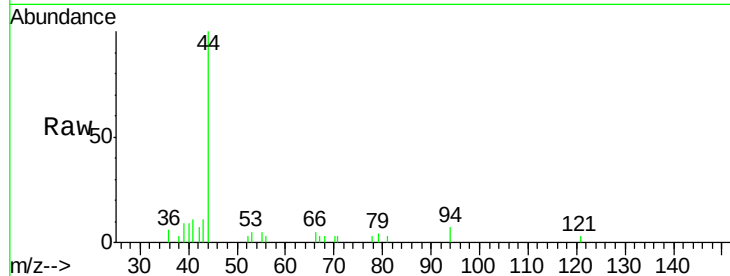




#14
Allvl chloride
Concen: 28.929 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

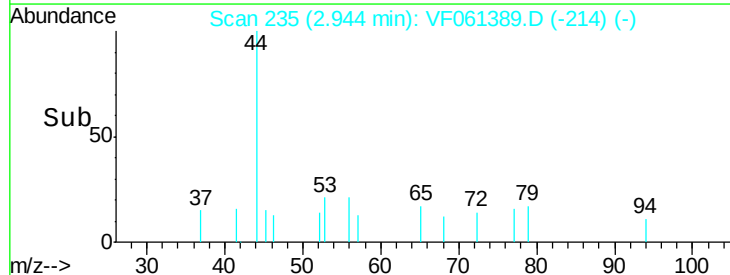
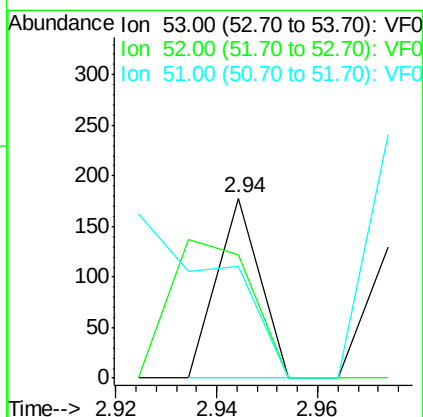
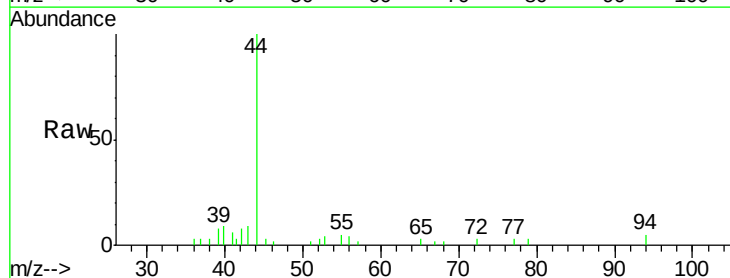
Instrument :
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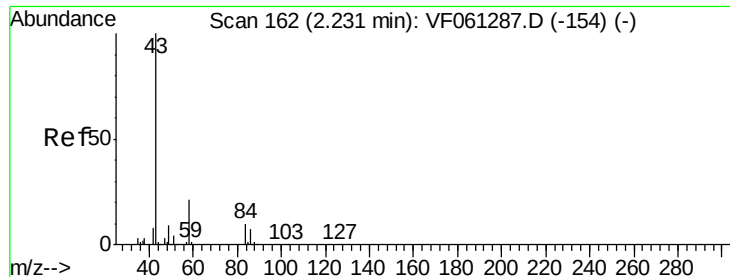
Tot Ion: 41 Resp: 624
Ion Ratio Lower Upper
41 100
39 80.1 82.6 123.8#
76 0.0 26.9 40.3#



#15
Acrylonitrile
Concen: 59.184 ug/l
RT: 2.94 min Scan# 235
Delta R.T. 0.00 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 53 Resp: 105
Ion Ratio Lower Upper
53 100
52 68.5 74.6 111.8#
51 62.4 37.8 56.6#





#16

Acetone

Concen: 254.838 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

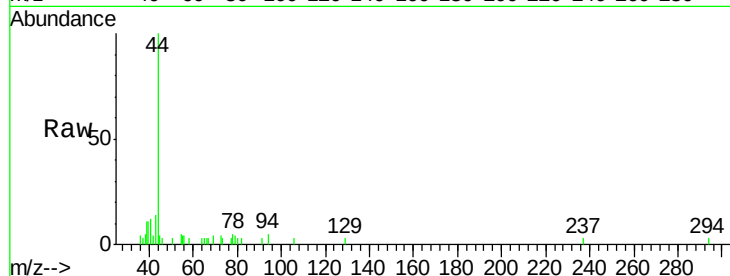
SU-02-011119-B

Tot Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

58 21.8 16.6 25.0



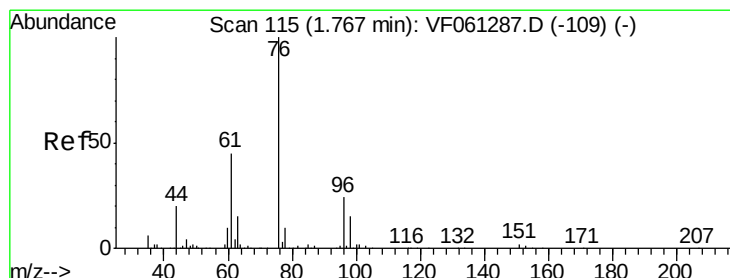
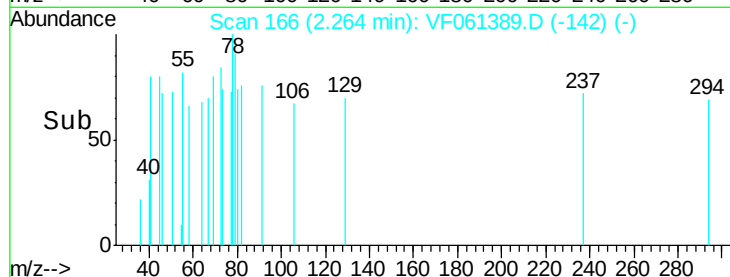
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.26

2.28

Time-->



#17

Carbon Disulfide

Concen: 1.873 ug/l

RT: 1.80 min Scan# 119

Delta R.T. 0.03 min

Lab File: VF061389.D

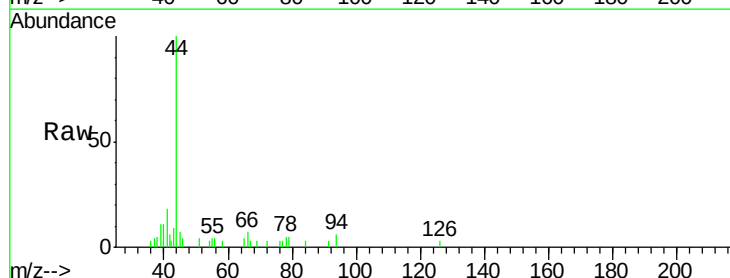
Acq: 14 Jan 2019 15:09

Tgt Ion: 76 Resp: 73

Ion Ratio Lower Upper

76 100

78 154.5 7.8 11.6#



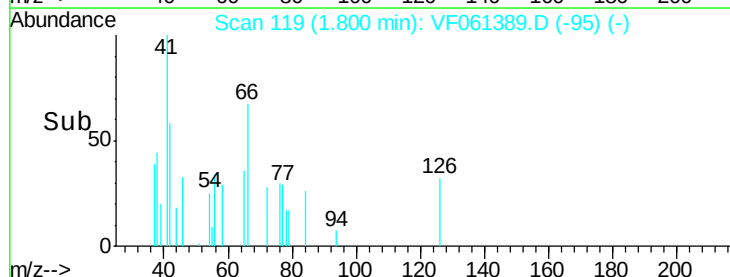
Abundance Ion 76.00 (75.70 to 76.70): VF0

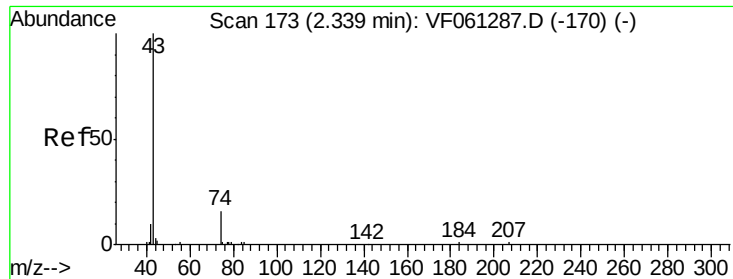
Ion 78.00 (77.70 to 78.70): VF0

1.80

1.82

Time-->

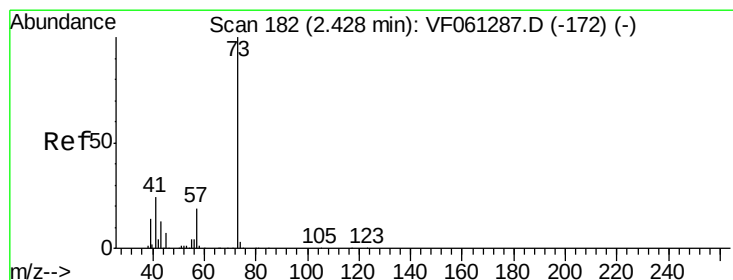
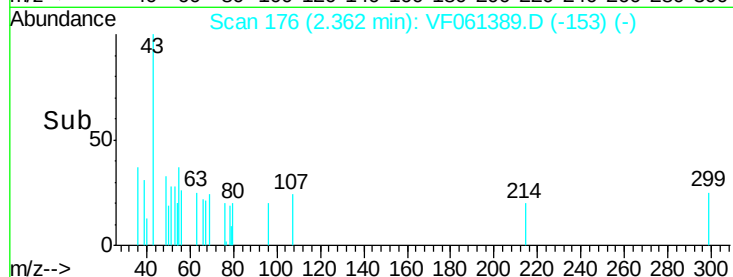
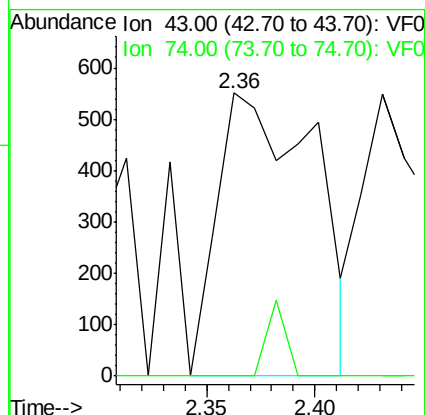
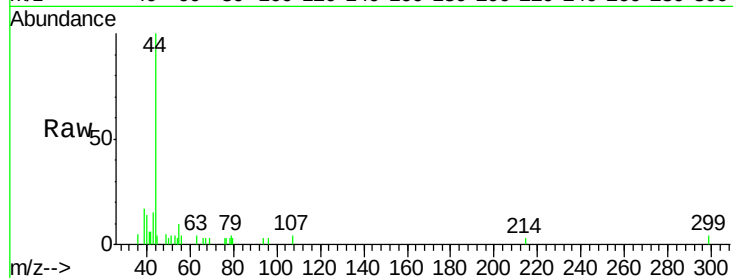




#18
Methyl Acetate
Concen: 299.607 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

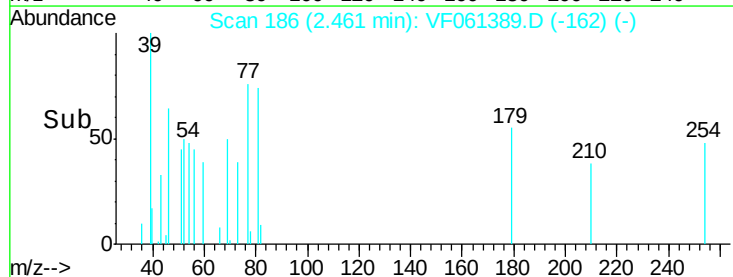
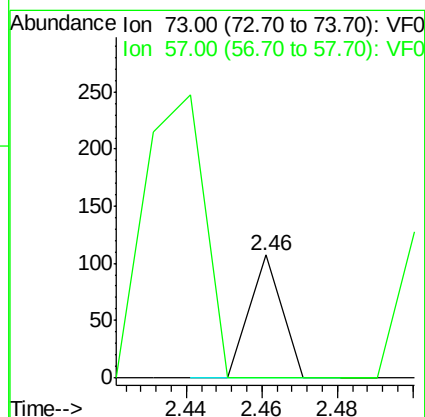
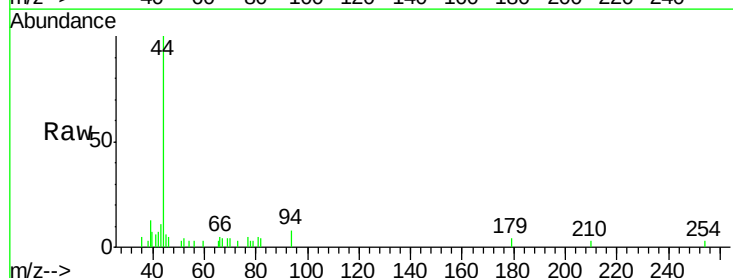
Instrument :
MSVOA_F
ClientSampleId :
SU-02-011119-B

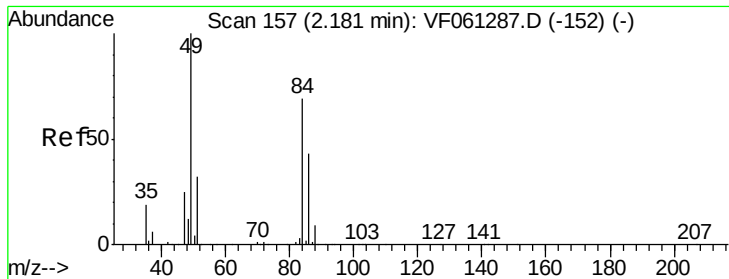
Tot Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#19
Methyl tert-butyl Ether
Concen: 2.801 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 73 Resp: 63
Ion Ratio Lower Upper
73 100
57 0.0 15.5 23.3#





#20

Methylene Chloride

Concen: 15.527 ug/l

RT: 2.15 min Scan# 154

Delta R.T. -0.04 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

Tot Ion: 84 Resp: 191

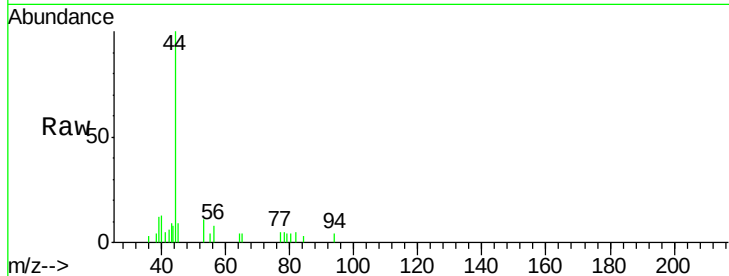
Ion Ratio Lower Upper

84 100

49 0.0 116.6 175.0#

51 0.0 37.7 56.5#

86 0.0 49.8 74.8#

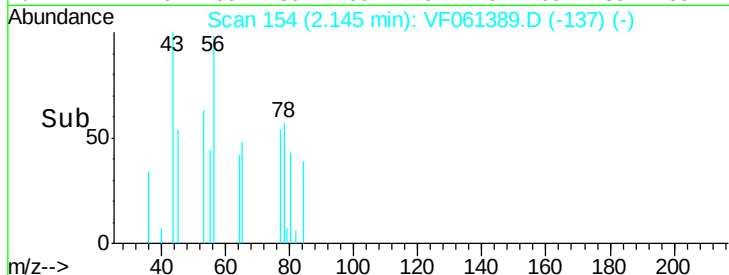


Abundance Ion 84.00 (83.70 to 84.70): VF0

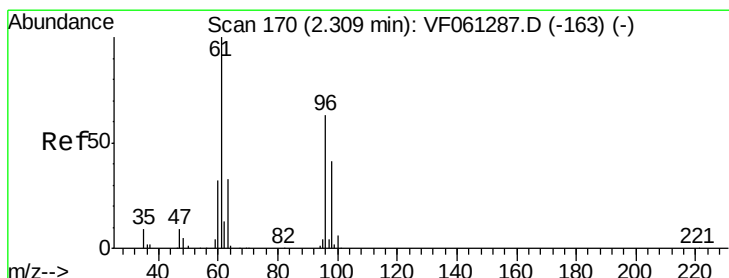
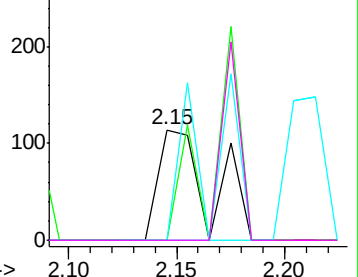
Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 11.435 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

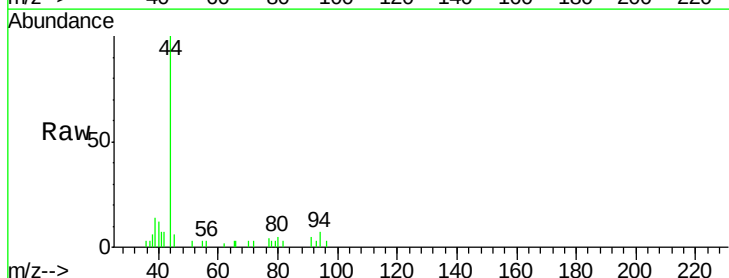
Tgt Ion: 96 Resp: 143

Ion Ratio Lower Upper

96 100

61 0.0 127.0 190.4#

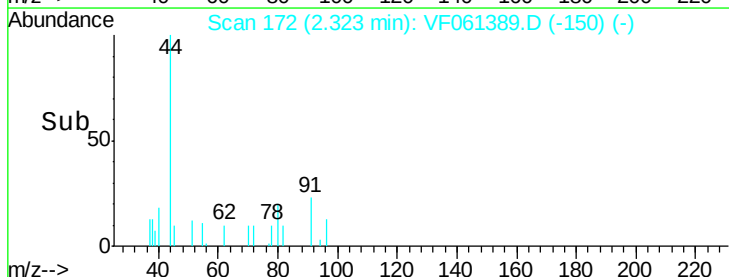
98 0.0 51.7 77.5#



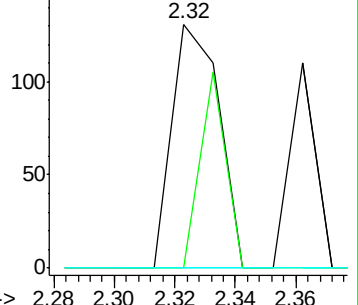
Abundance Ion 96.00 (95.70 to 96.70): VF0

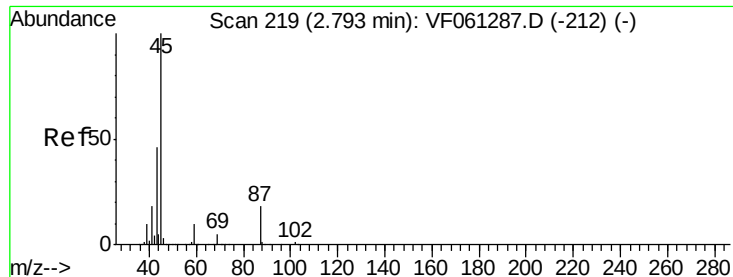
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->

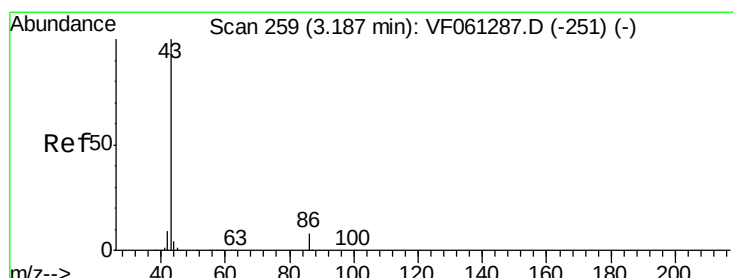
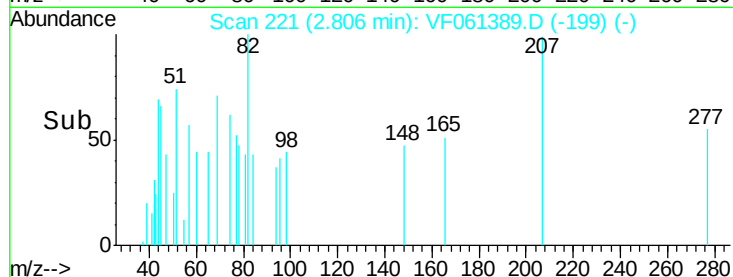
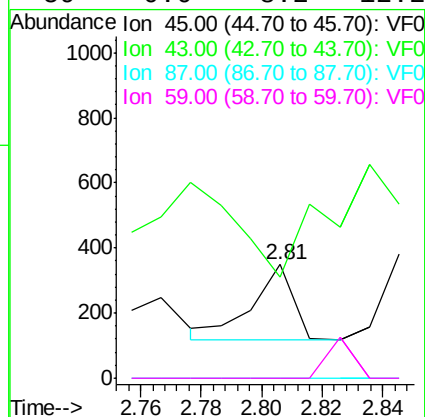
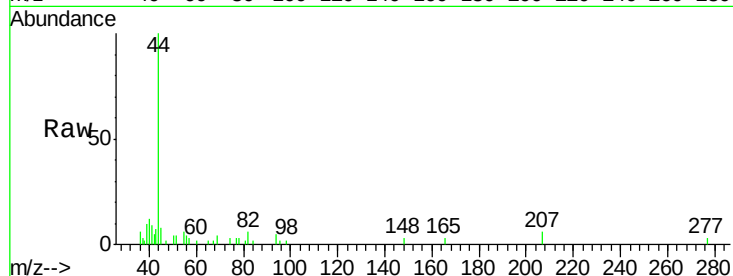




#22
Diisopropyl ether
Concen: 5.152 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

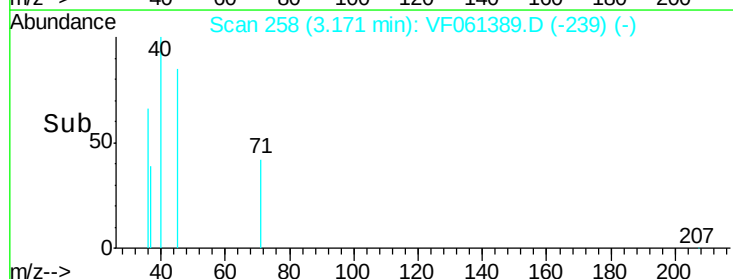
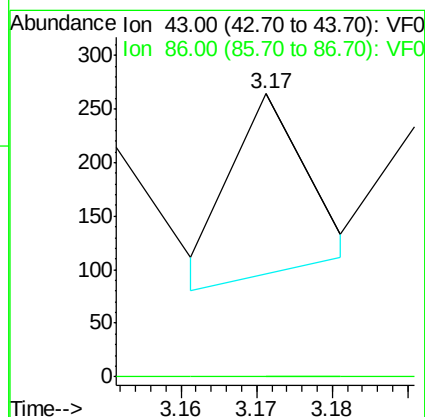
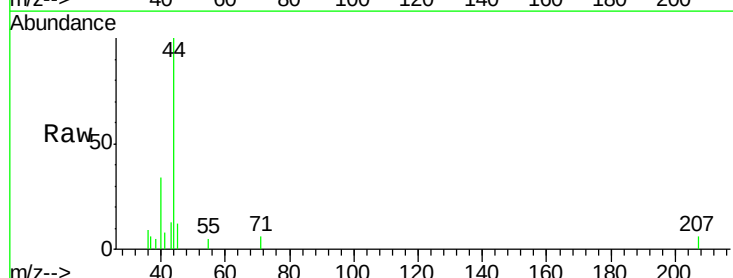
Instrument :
MSVOA_F
ClientSampleId :
SU-02-011119-B

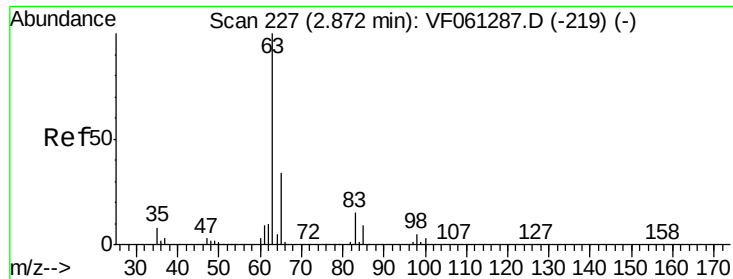
Tot Ion:	45	Resp:	215
Ion	Ratio	Lower	Upper
45	100		
43	89.1	37.4	56.2#
87	0.0	14.2	21.2#
59	0.0	8.2	12.2#



#23
Vinyl Acetate
Concen: 9.997 ug/l
RT: 3.17 min Scan# 258
Delta R.T. -0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion:	43	Resp:	122
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#





#24

1,1-Dichloroethane

Concen: 2.734 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

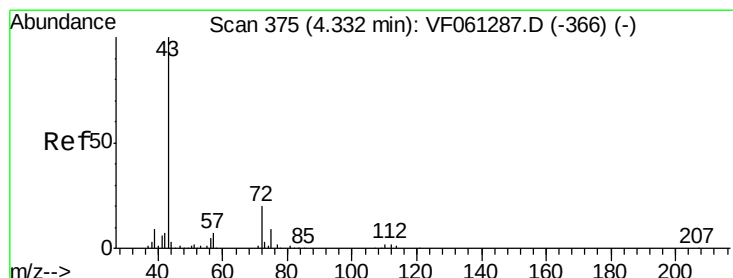
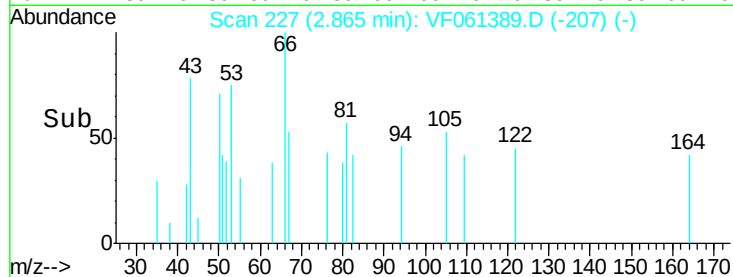
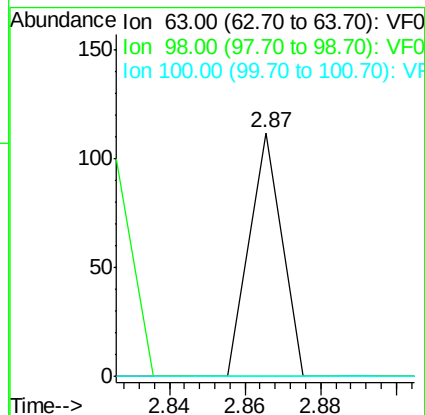
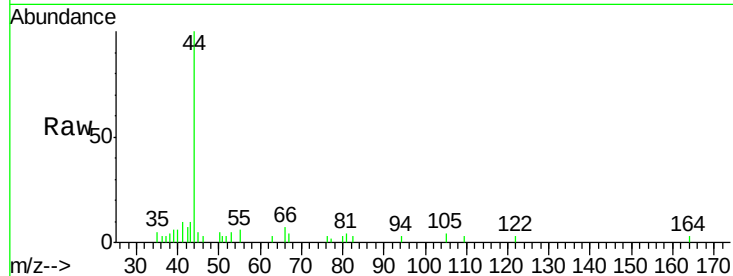
Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

Tot Ion:	63	Resp:	66
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.6#
100	0.0	1.7	5.0#



#25

2-Butanone

Concen: 162.181 ug/l

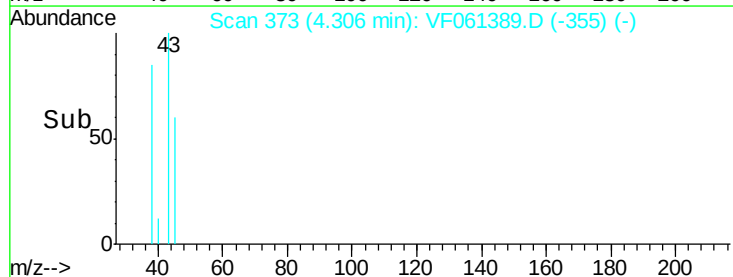
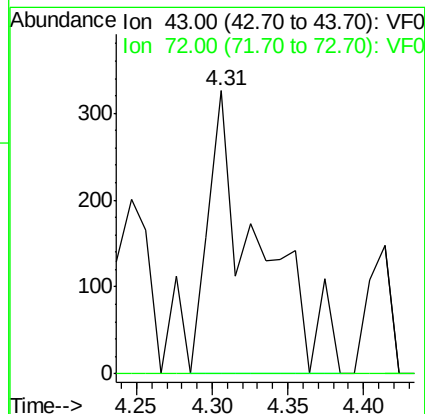
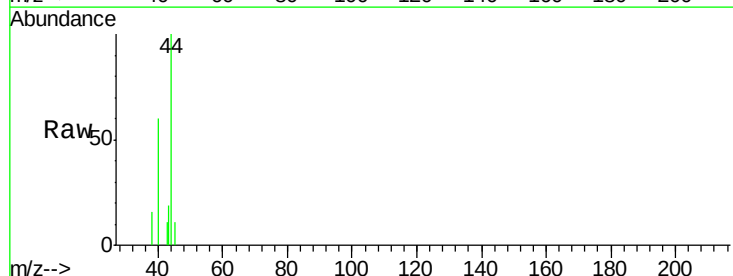
RT: 4.31 min Scan# 373

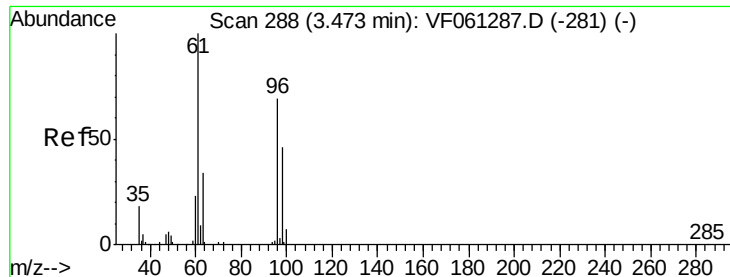
Delta R.T. -0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion:	43	Resp:	759
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#



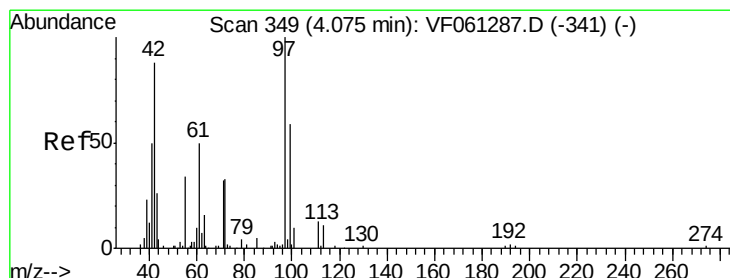
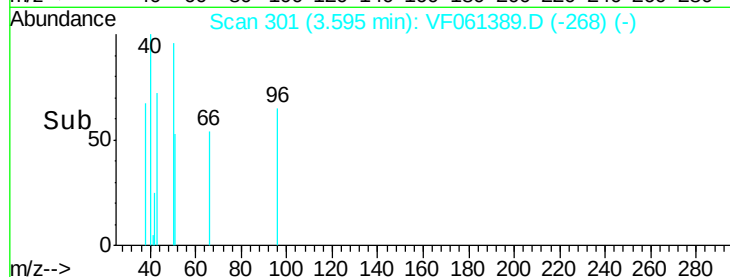
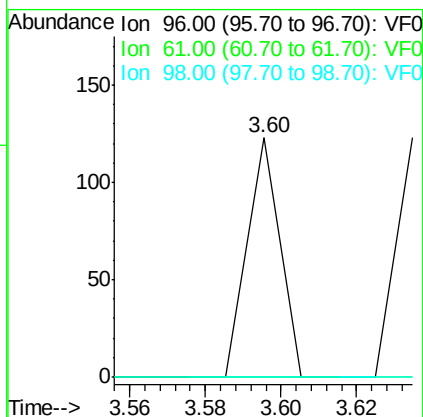
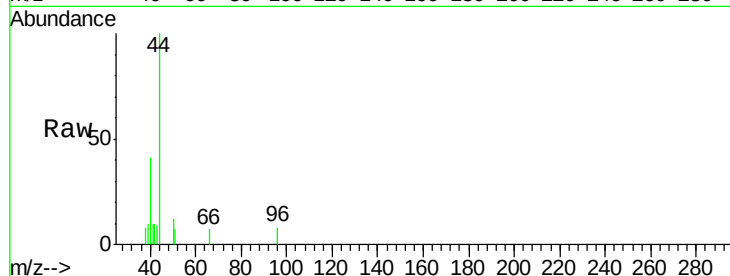


#27

cis-1,2-Dichloroethene
 Concen: 4.181 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. 0.12 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-011119-B

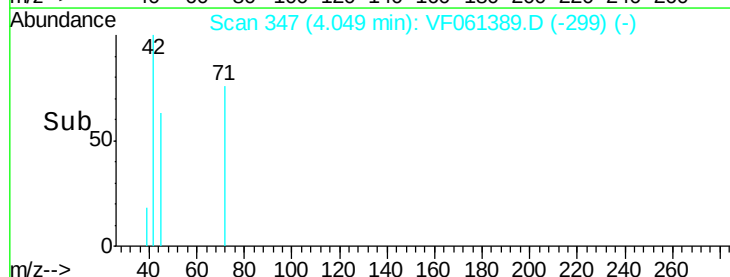
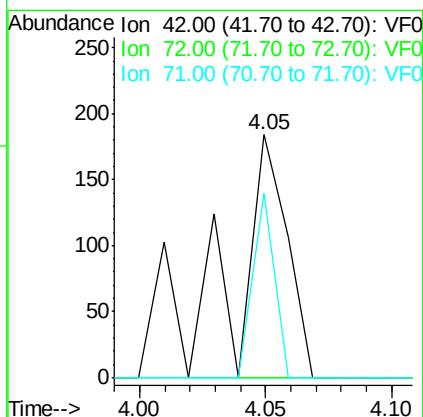
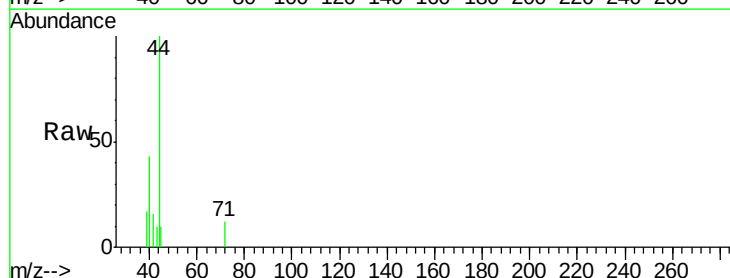
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	288.2
98	0.0	0.0	132.2

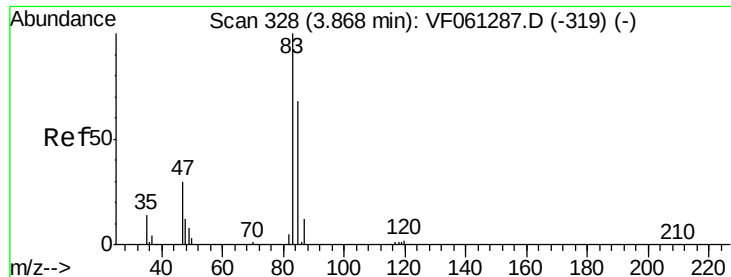


#29

Tetrahydrofuran
 Concen: 125.720 ug/l
 RT: 4.05 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	33.7	29.5	44.3

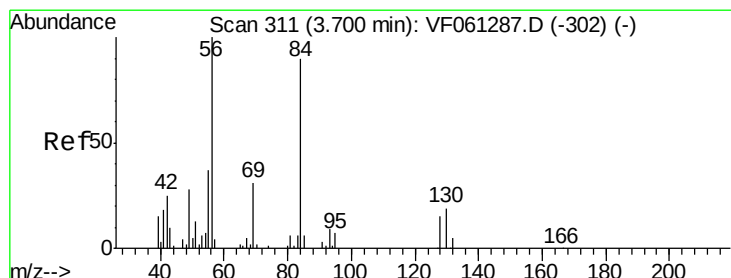
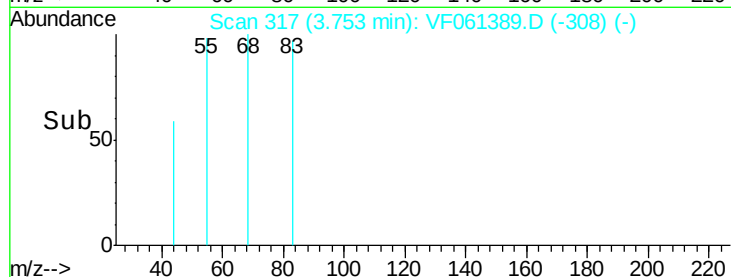
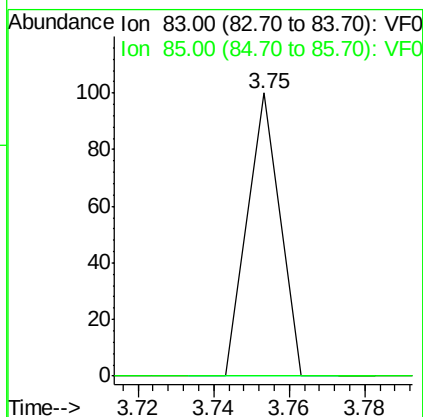
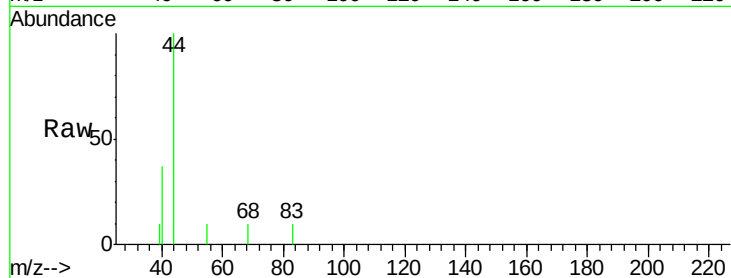




#30
Chloroform
Concen: 1.925 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.11 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

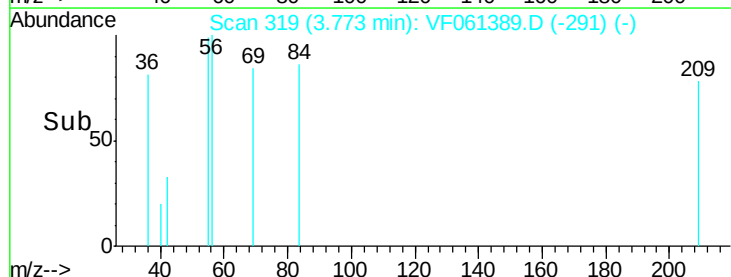
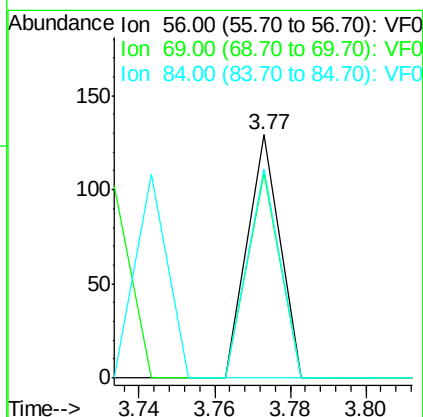
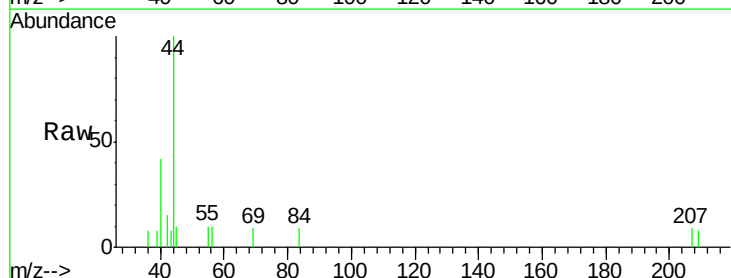
Instrument :
MSVOA_F
ClientSampleId :
SU-02-011119-B

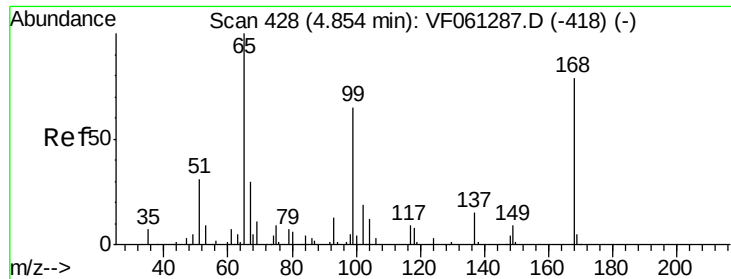
Tot Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
85 0.0 54.4 81.6#



#31
Cyclohexane
Concen: 3.001 ug/l
RT: 3.77 min Scan# 319
Delta R.T. 0.07 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
69 84.5 24.7 37.1#
84 86.0 72.2 108.4

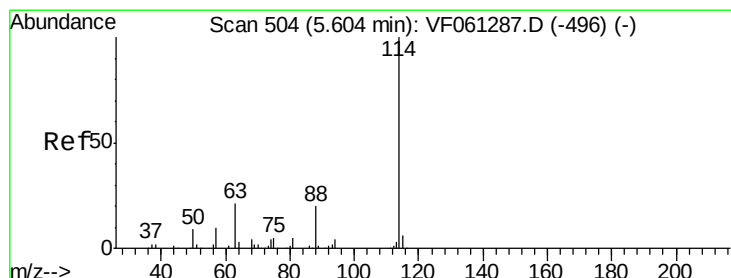
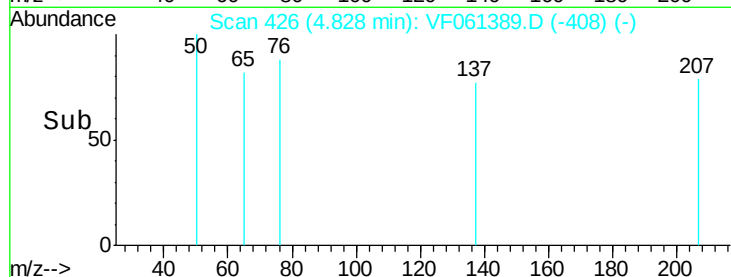
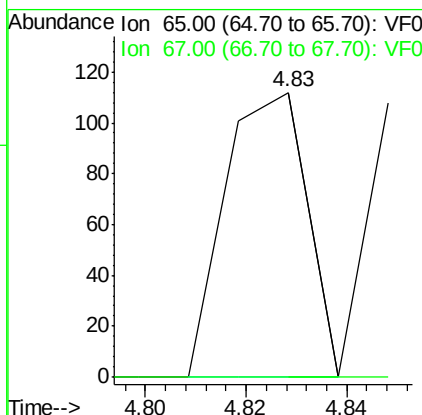
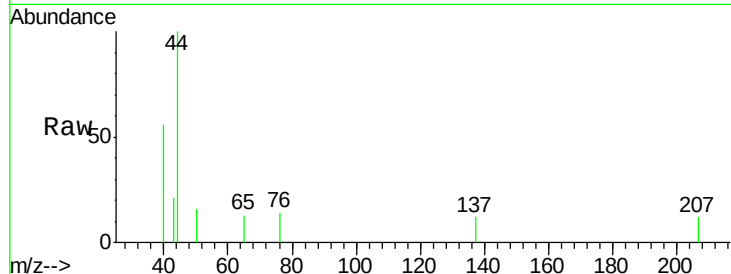




#33
 1,2-Dichloroethane-d4
 Concen: 10.080 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

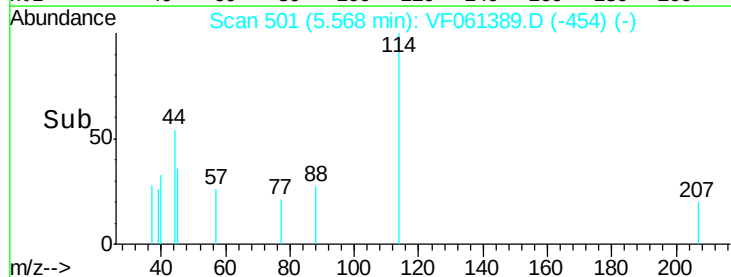
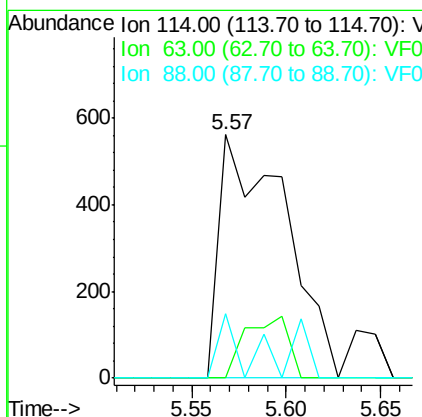
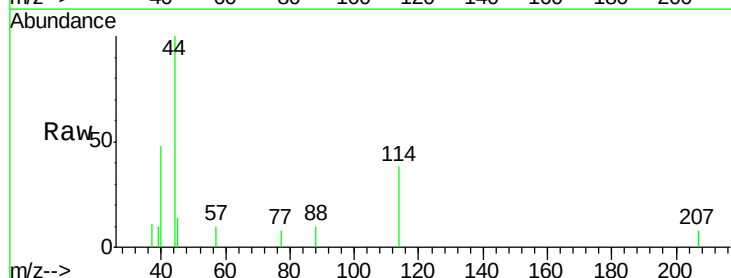
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-011119-B

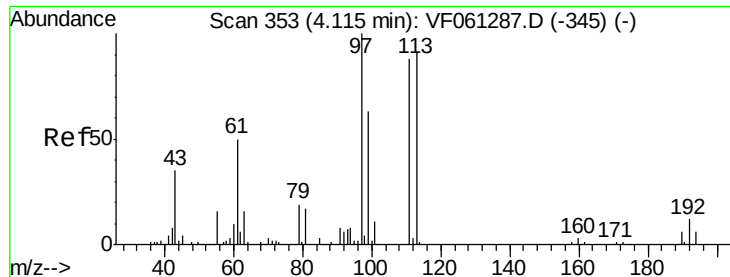
Tot Ion: 65 Resp: 126
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 114 Resp: 1358
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 42.8
 88 26.5 0.0 40.0





#35

Dibromofluoromethane

Concen: 9.528 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

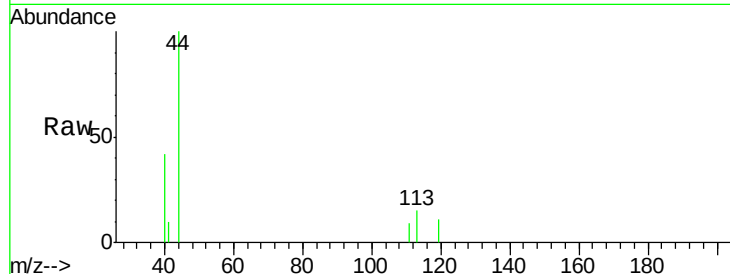
Tot Ion:113 Resp: 99

Ion Ratio Lower Upper

113 100

111 60.7 78.0 117.0#

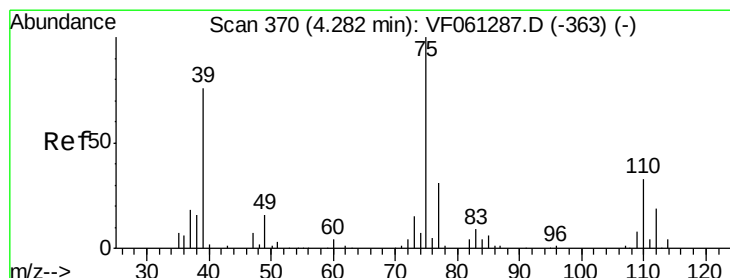
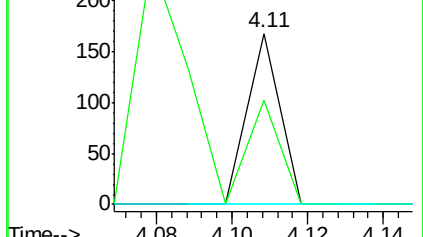
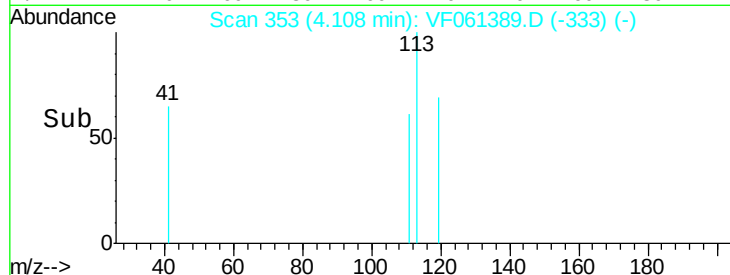
192 0.0 10.6 16.0#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 4.099 ug/l

RT: 4.22 min Scan# 364

Delta R.T. -0.07 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

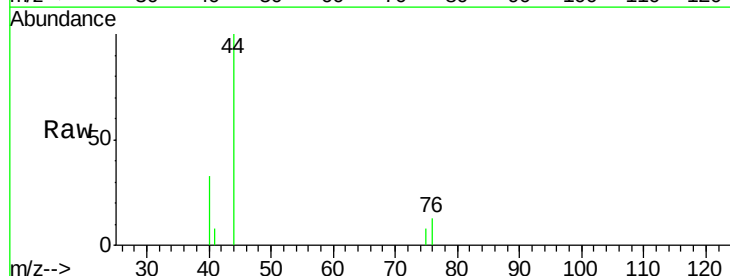
Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

110 0.0 16.6 49.8#

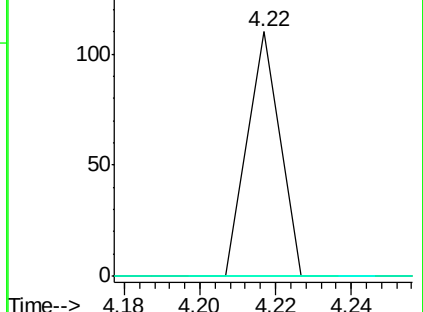
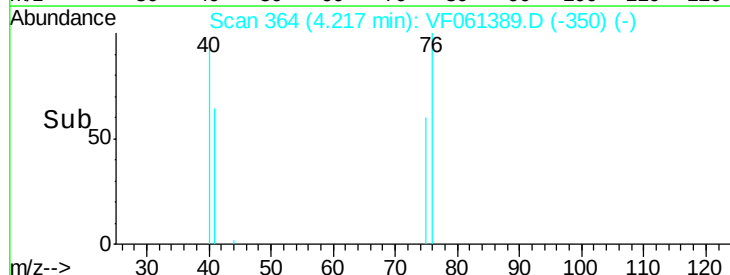
77 0.0 25.1 37.7#

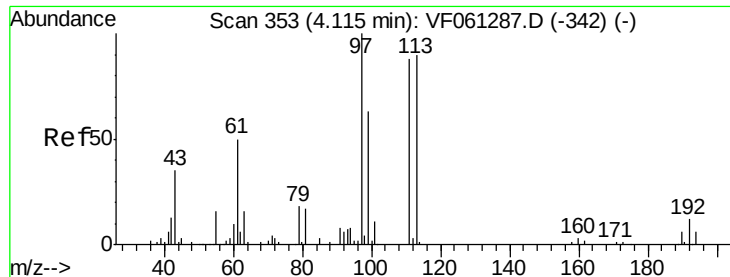


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

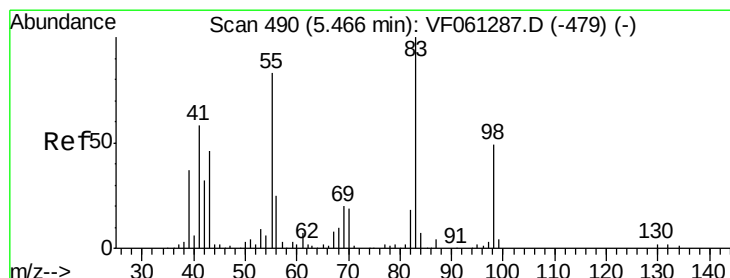
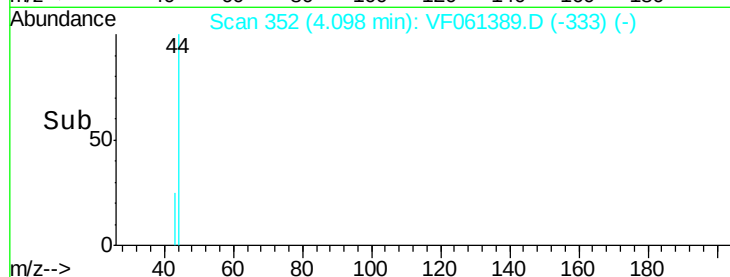
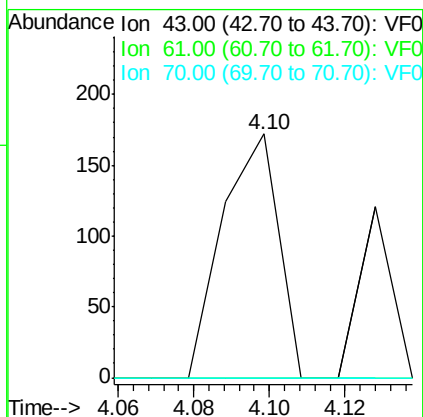
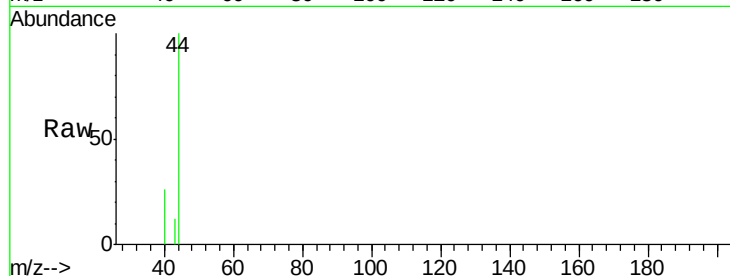




#37
Ethyl Acetate
Concen: 30.303 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

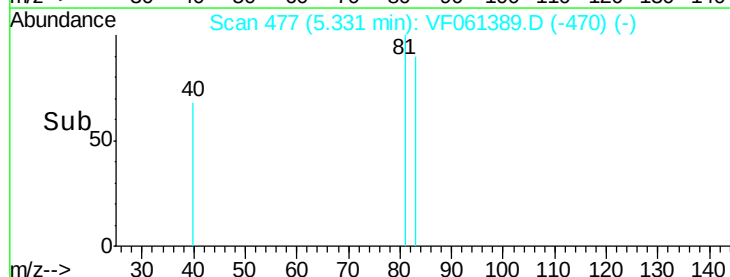
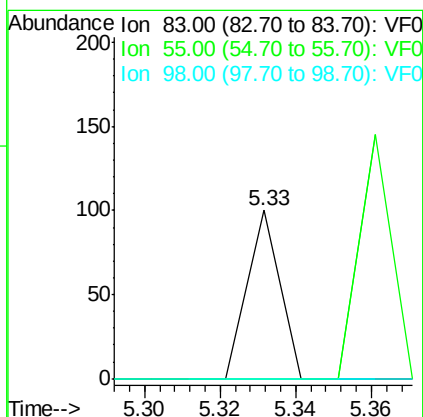
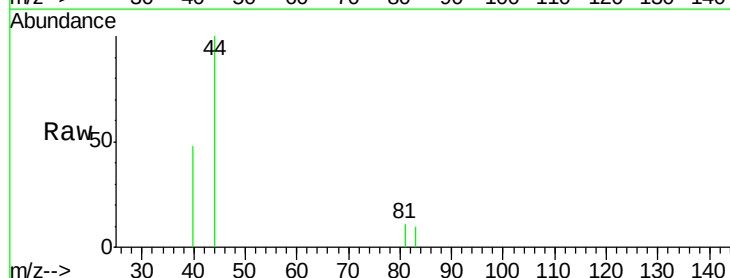
Instrument :
MSVOA_F
ClientSampleId :
SU-02-011119-B

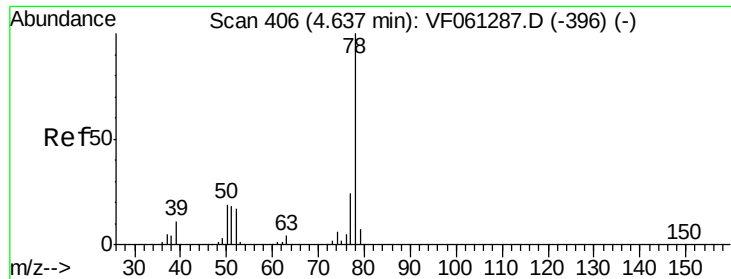
Tot Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
61 0.0 113.3 169.9#
70 0.0 9.4 14.0#



#39
Methylcyclohexane
Concen: 2.973 ug/l
RT: 5.33 min Scan# 477
Delta R.T. -0.13 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 0.0 39.1 58.7#





#40

Benzene

Concen: 2.512 ug/l

RT: 4.63 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

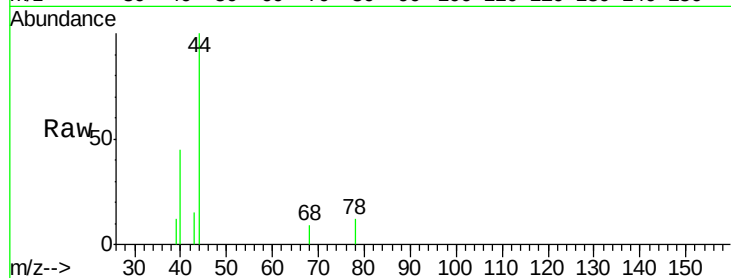
SU-02-011119-B

Tot Ion: 78 Resp: 93

Ion Ratio Lower Upper

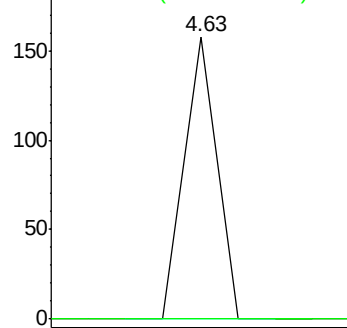
78 100

77 0.0 19.1 28.7#

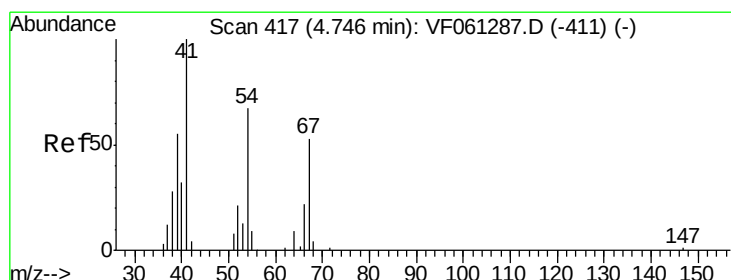
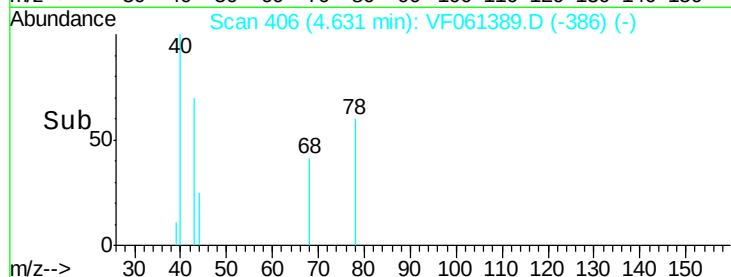


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#41

Methacrylonitrile

Concen: 133.646 ug/l

RT: 4.70 min Scan# 413

Delta R.T. -0.05 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Tgt Ion: 41 Resp: 431

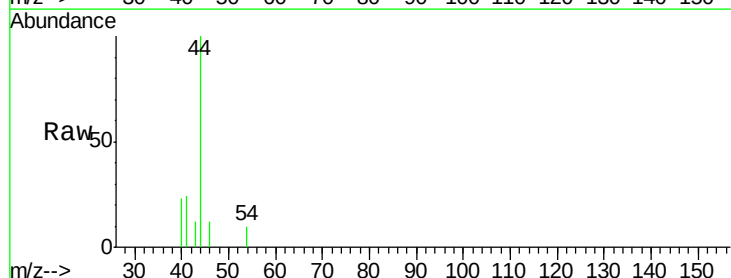
Ion Ratio Lower Upper

41 100

39 0.0 52.7 79.1#

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#

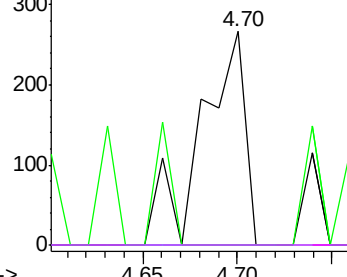


Abundance Ion 41.00 (40.70 to 41.70): VF0

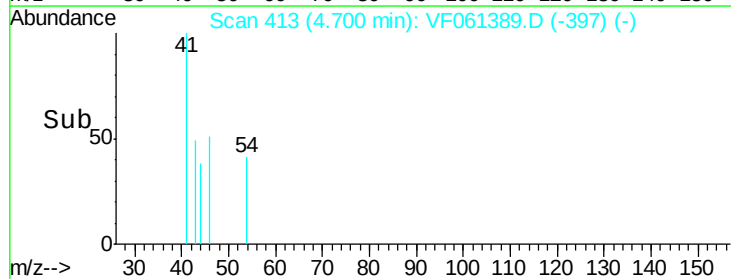
Ion 39.00 (38.70 to 39.70): VF0

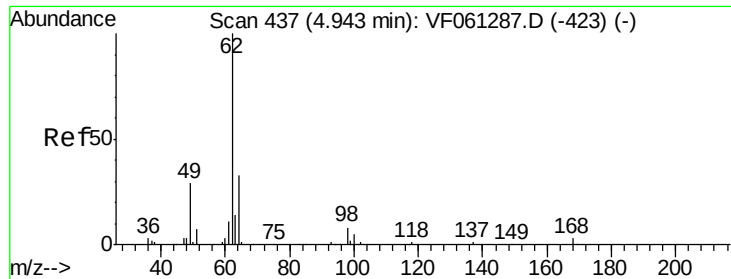
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->

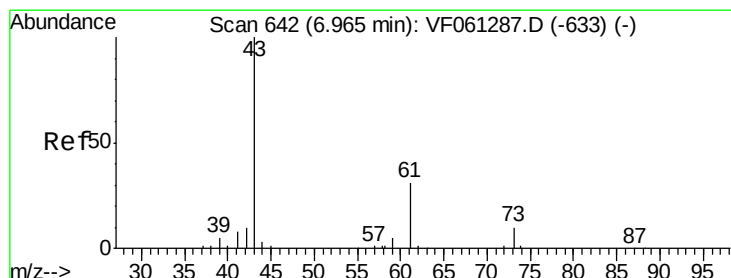
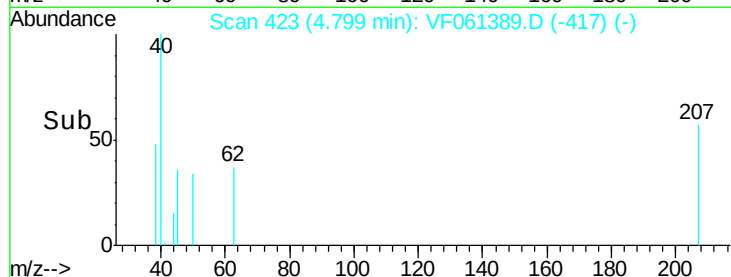
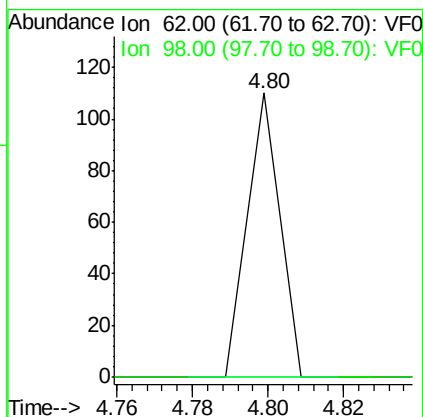
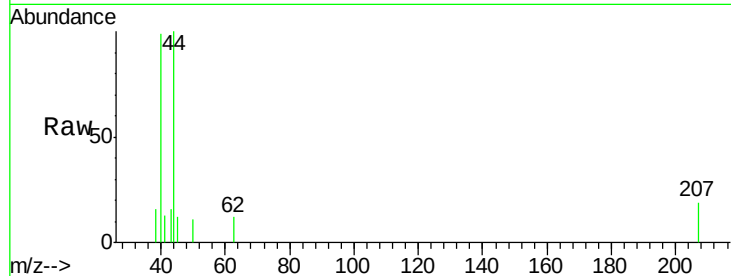




#42
1,2-Dichloroethane
Concen: 5.639 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.14 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

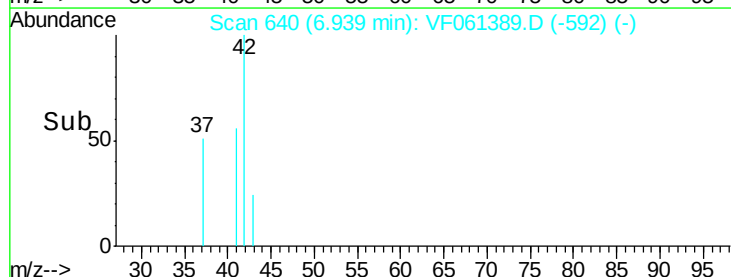
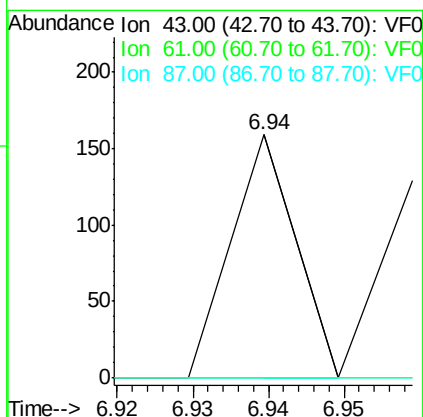
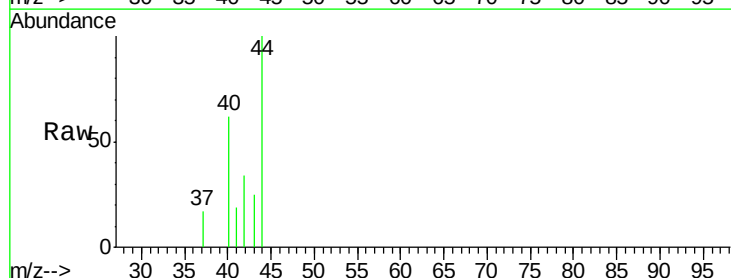
Instrument :
MSVOA_F
ClientSampleId :
SU-02-011119-B

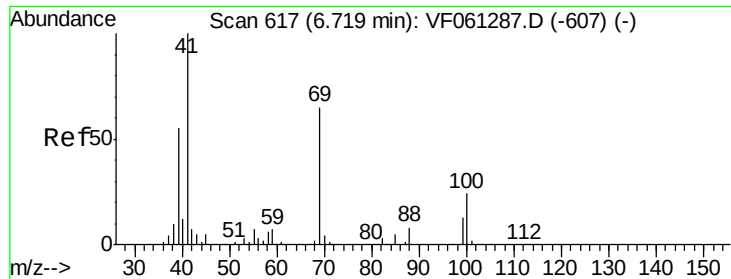
Tot Ion: 62 Resp: 65
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.8



#43
Isopropyl Acetate
Concen: 12.329 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
61 0.0 24.3 36.5#
87 0.0 0.2 0.4#





#48

Methyl methacrylate

Concen: 19.600 ug/l

RT: 6.66 min Scan# 612

Delta R.T. -0.06 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

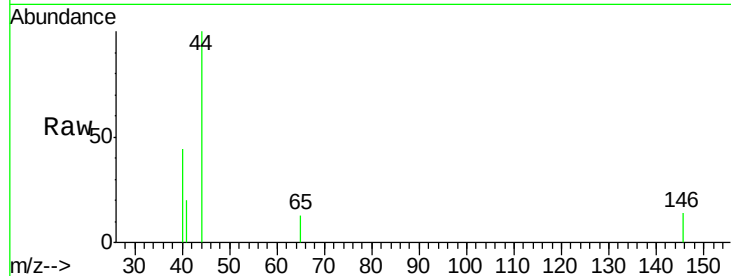
Tot Ion: 41 Resp: 97

Ion Ratio Lower Upper

41 100

69 0.0 51.5 77.3#

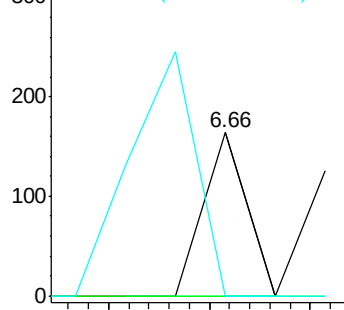
39 0.0 44.1 66.1#



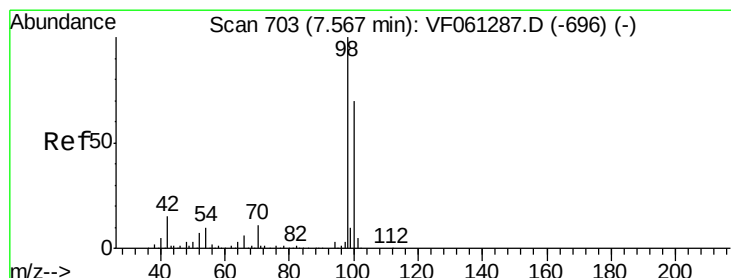
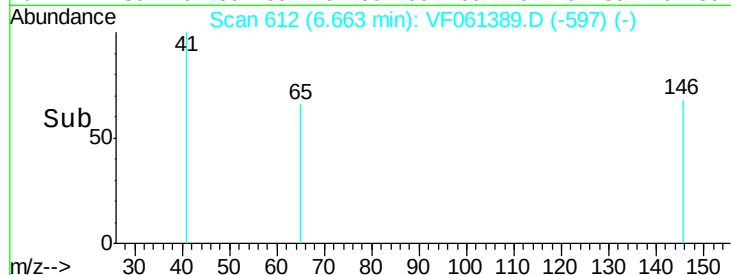
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#50

Toluene-d8

Concen: 60.066 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF061389.D

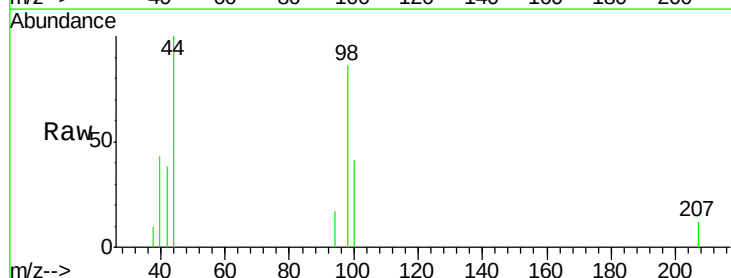
Acq: 14 Jan 2019 15:09

Tgt Ion: 98 Resp: 1847

Ion Ratio Lower Upper

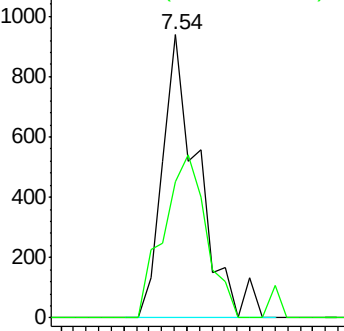
98 100

100 48.2 55.6 83.4#

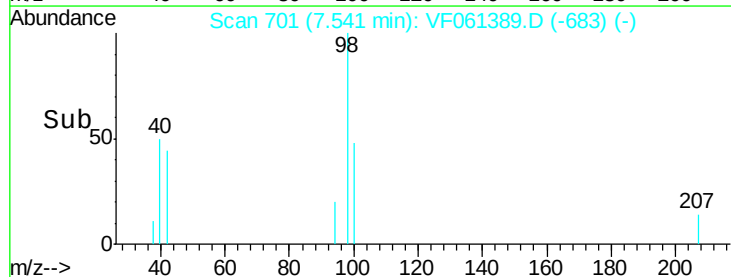


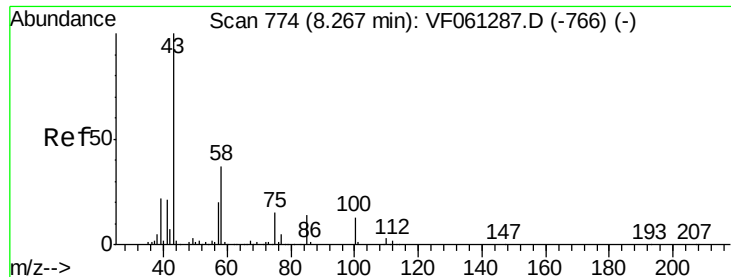
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 86.884 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.05 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

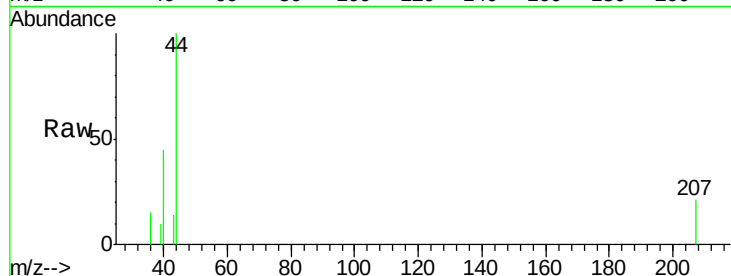
SU-02-011119-B

Tot Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.22

150

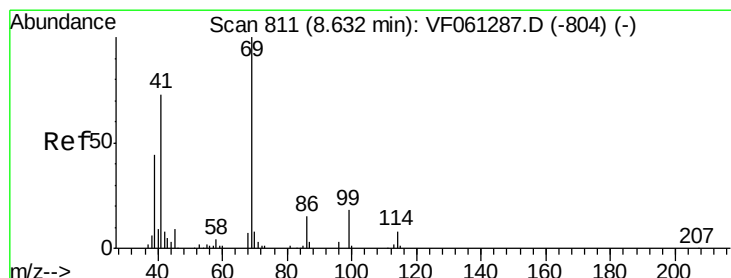
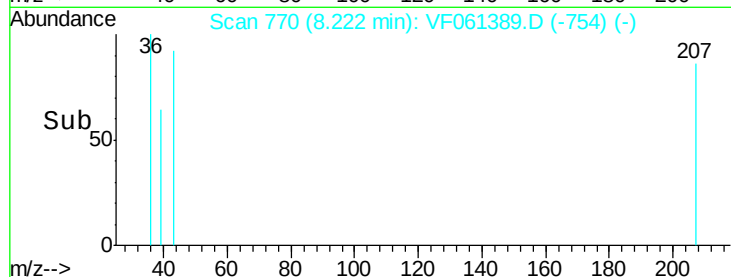
100

50

0

8.15 8.20 8.25 8.30

Time-->



#56

Ethyl methacrylate

Concen: 11.421 ug/l

RT: 8.54 min Scan# 802

Delta R.T. -0.10 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

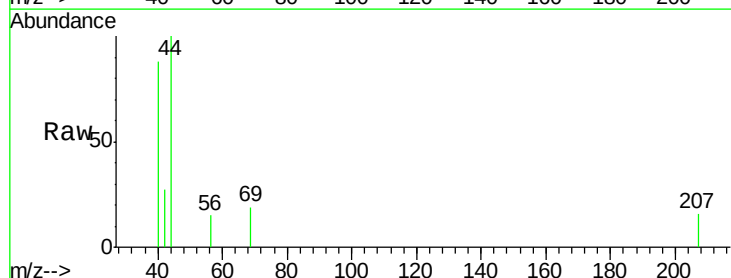
Tgt Ion: 69 Resp: 85

Ion Ratio Lower Upper

69 100

41 0.0 59.0 88.4#

39 0.0 35.3 52.9#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300

250

200

150

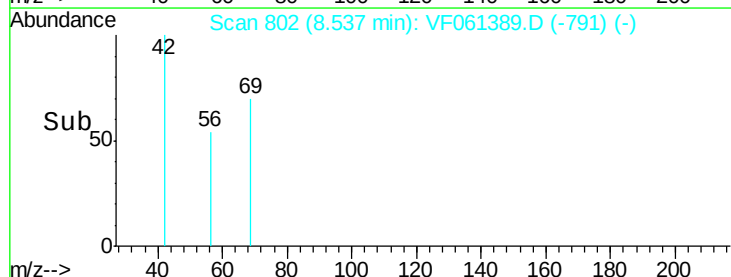
100

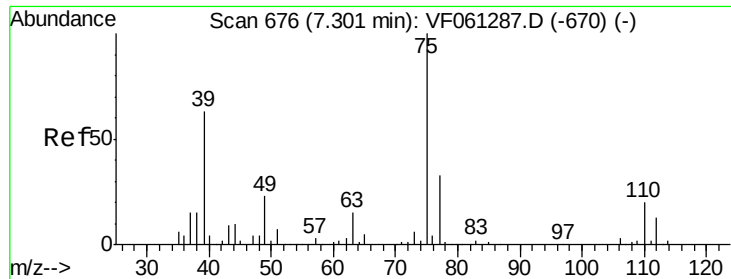
50

0

8.50 8.52 8.54 8.56

Time-->

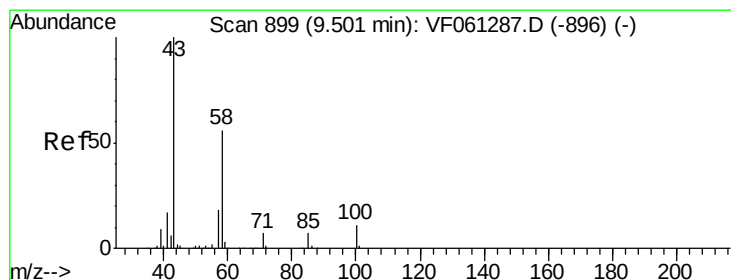
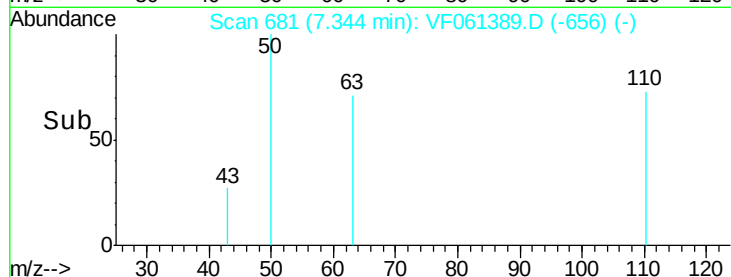
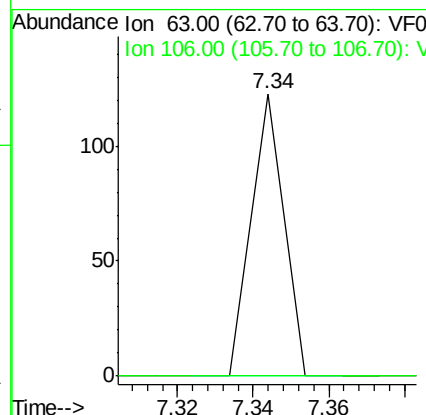
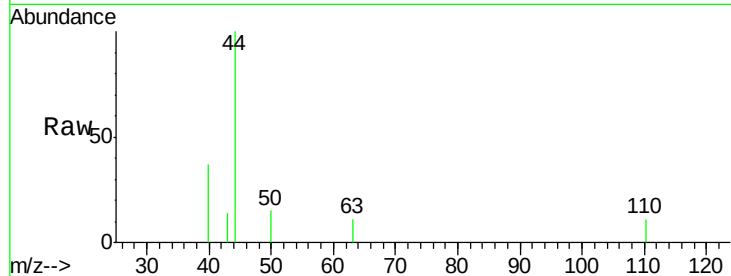




#58
 2-Chloroethyl Vinyl ether
 Concen: 230.169 ug/l
 RT: 7.34 min Scan# 681
 Delta R.T. 0.04 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

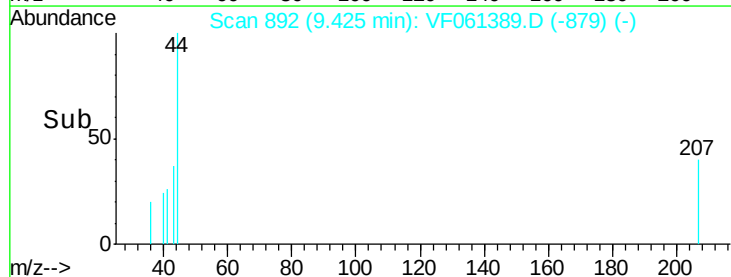
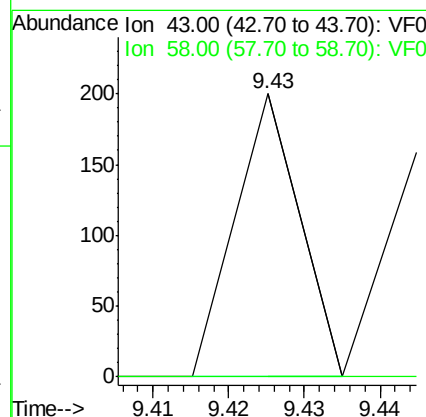
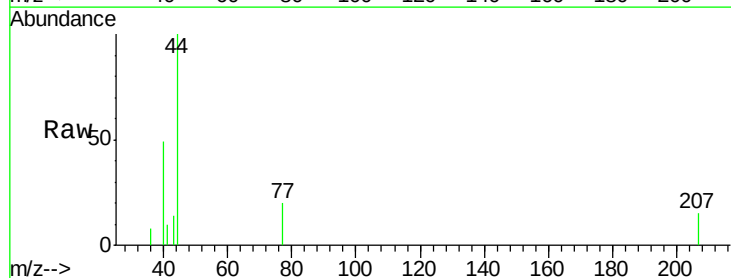
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-011119-B

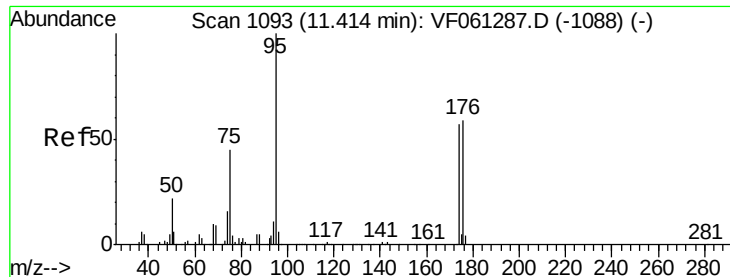
Tot Ion: 63 Resp: 73
 Ion Ratio Lower Upper
 63 100
 106 0.0 16.5 24.7#



#59
 2-Hexanone
 Concen: 28.943 ug/l
 RT: 9.43 min Scan# 892
 Delta R.T. -0.08 min
 Lab File: VF061389.D
 Acq: 14 Jan 2019 15:09

Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 15.864 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

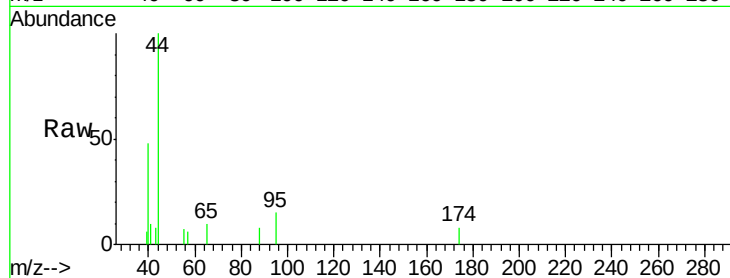
Tot Ion: 95 Resp: 213

Ion Ratio Lower Upper

95 100

174 57.9 0.0 114.2

176 0.0 0.0 117.8

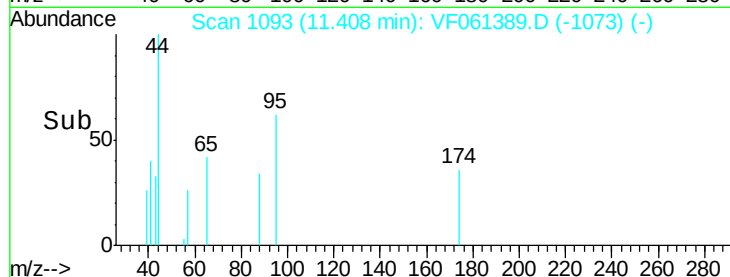


Abundance Ion 95.00 (94.70 to 95.70): VF0

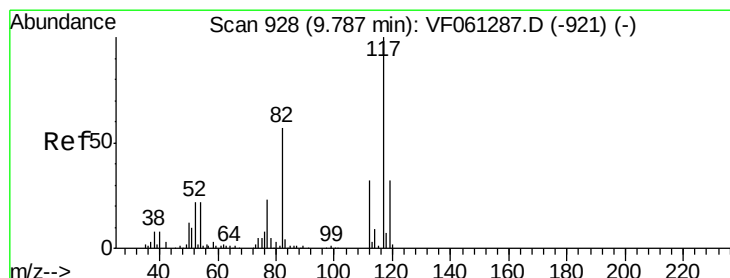
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

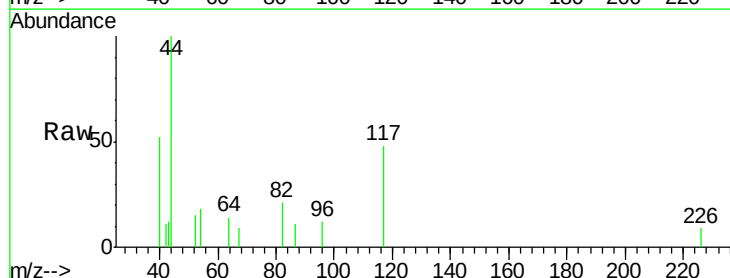
Tgt Ion: 117 Resp: 943

Ion Ratio Lower Upper

117 100

82 43.9 45.3 67.9#

119 0.0 25.4 38.0#

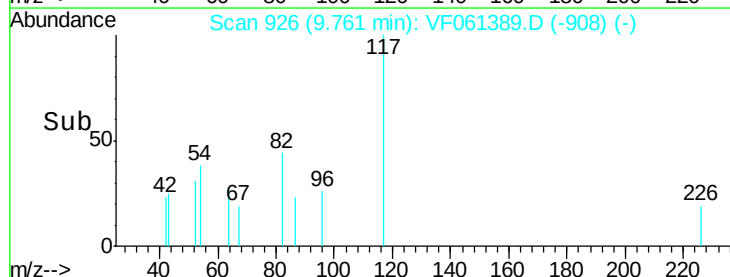


Abundance Ion 117.00 (116.70 to 117.70): V

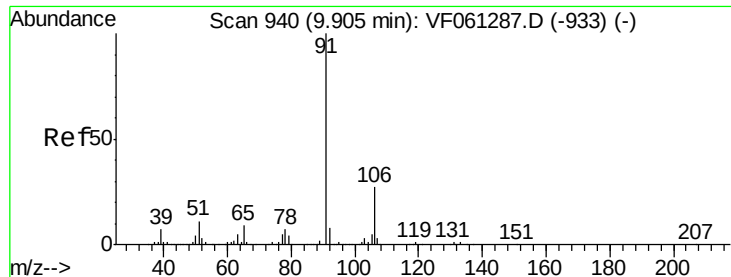
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

Time-->



Time-->



#67

Ethyl Benzene

Concen: 1.743 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

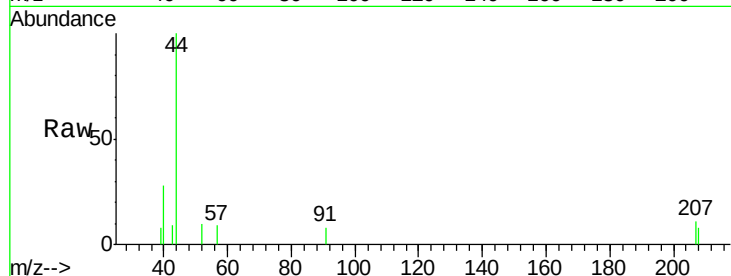
SU-02-011119-B

Tot Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

106 0.0 21.4 32.2#



Abundance Ion 91.00 (90.70 to 91.70): VF061287.D (-933) (-)

Ion 106.00 (105.70 to 106.70): VF061287.D (-933) (-)

9.90

120

100

80

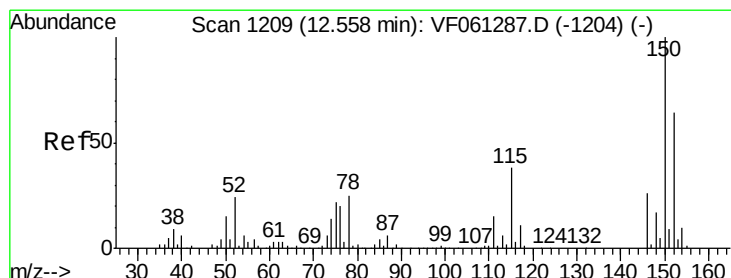
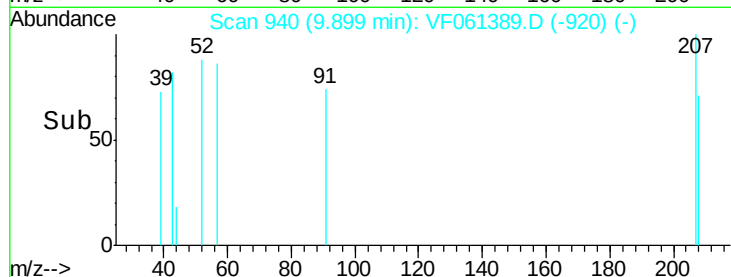
60

40

20

0

Time--> 9.86 9.88 9.90 9.92



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

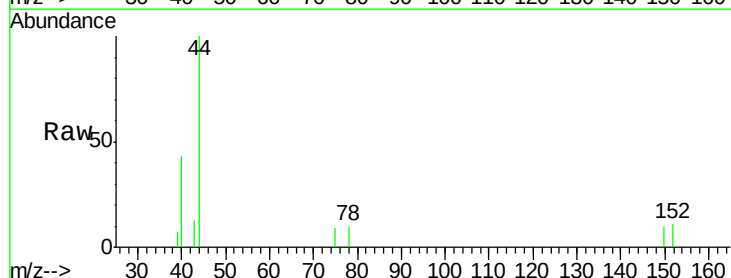
Tgt Ion: 152 Resp: 314

Ion Ratio Lower Upper

152 100

115 0.0 29.6 88.9#

150 95.5 0.0 315.4



Abundance Ion 152.00 (151.70 to 152.70): VF061287.D (-1204) (-)

Ion 115.00 (114.70 to 115.70): VF061287.D (-1204) (-)

Ion 150.00 (149.70 to 150.70): VF061287.D (-1204) (-)

12.55

250

200

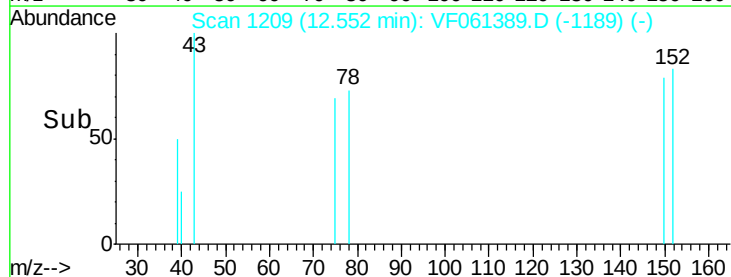
150

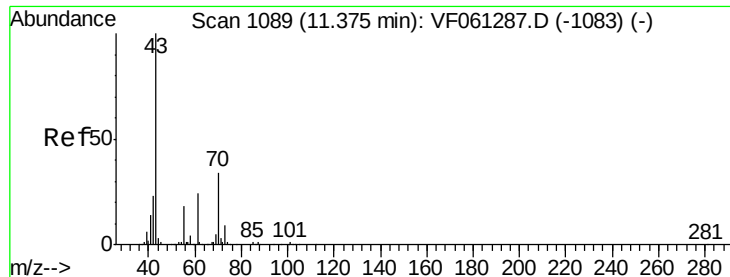
100

50

0

Time--> 12.50 12.55 12.60





#74

N-amvl acetate

Concen: 56.680 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.03 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

SU-02-011119-B

Tot Ion: 43 Resp: 356

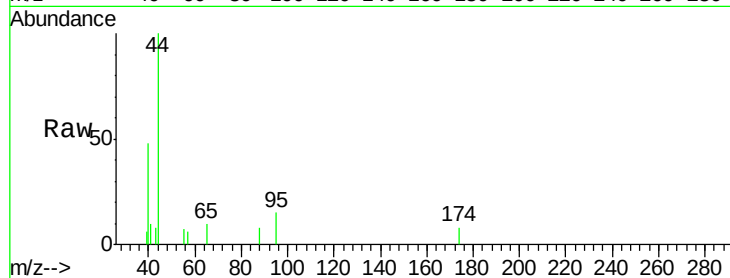
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.0#

55 87.7 14.7 22.1#

61 0.0 19.0 28.4#

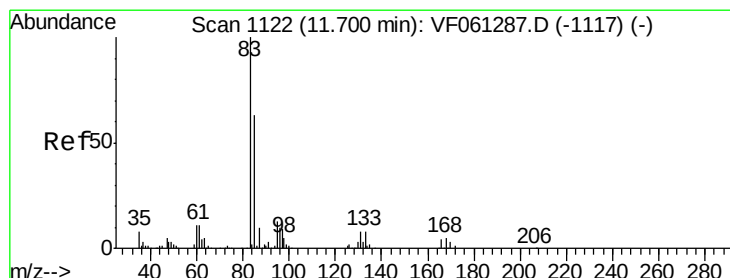
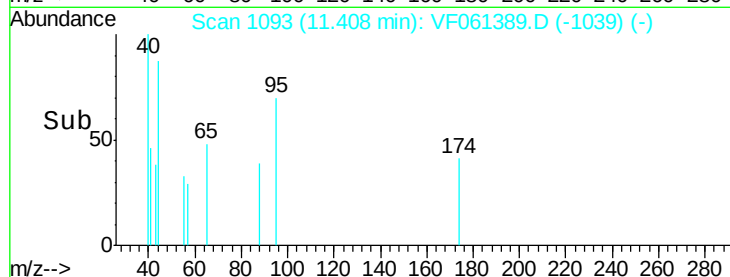
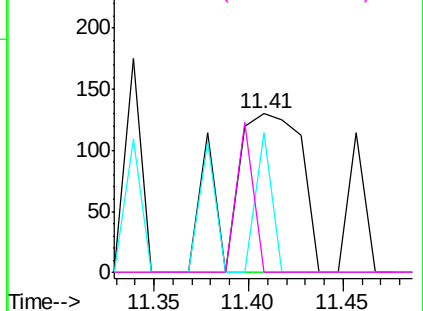


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 20.772 ug/l

RT: 11.65 min Scan# 1118

Delta R.T. -0.05 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

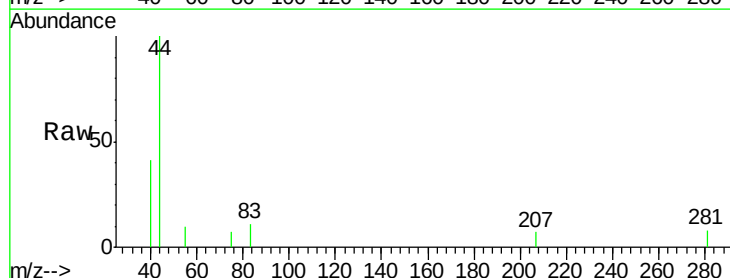
Tgt Ion: 83 Resp: 91

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

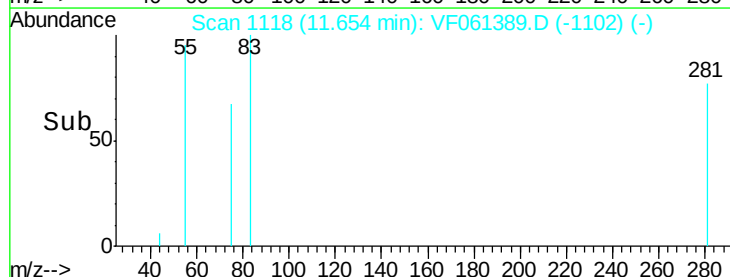
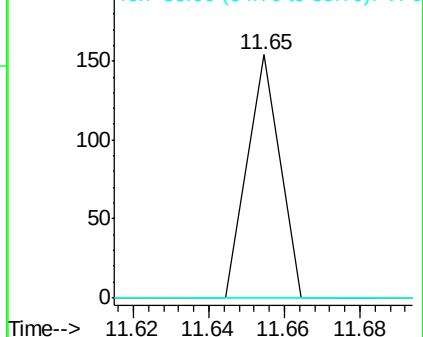
85 0.0 31.6 94.7#

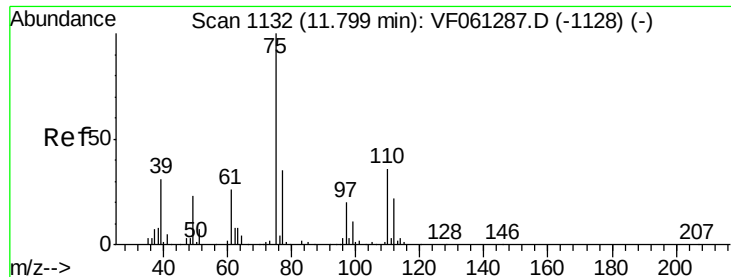


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 23.653 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.06 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

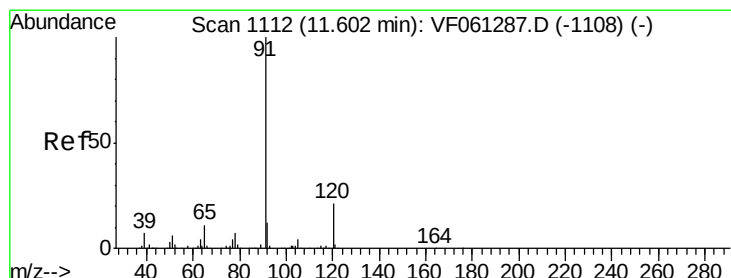
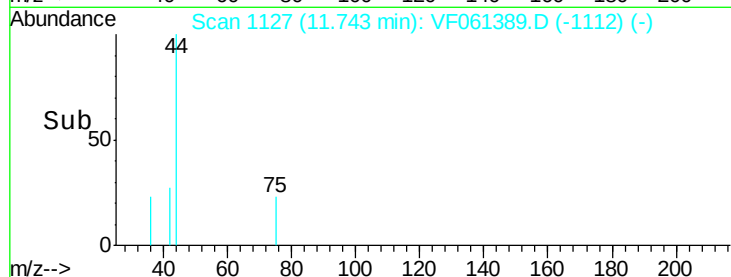
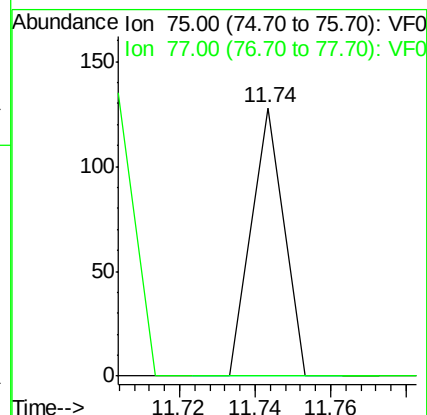
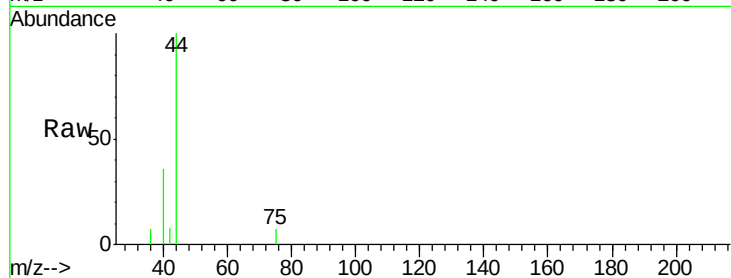
SU-02-011119-B

Tot Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

77 0.0 17.5 52.5#



#78

n-propylbenzene

Concen: 2.216 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF061389.D

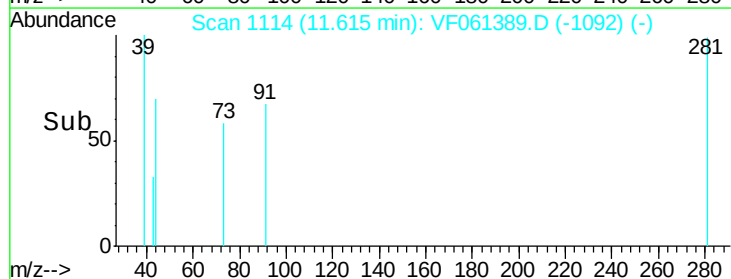
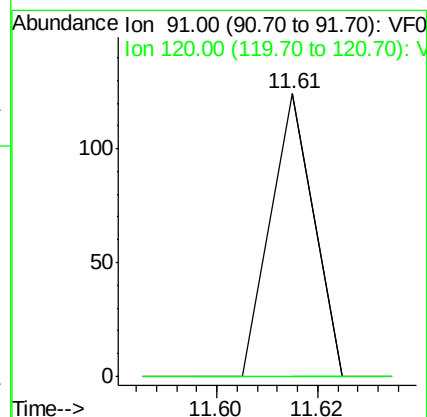
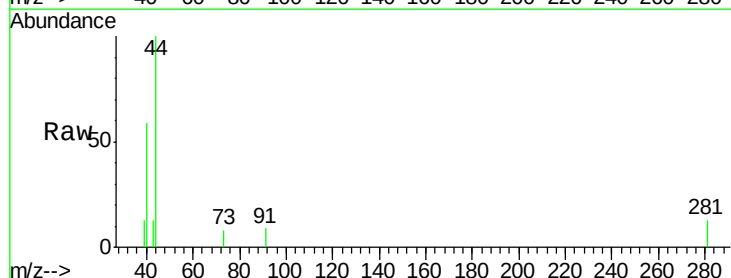
Acq: 14 Jan 2019 15:09

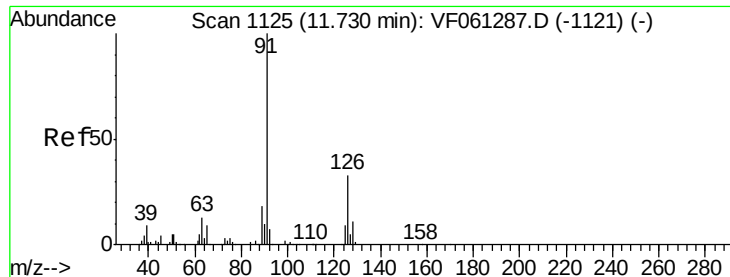
Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#





#79

2-Chlorotoluene

Concen: 4.577 ug/l

RT: 11.64 min Scan# 1117

Delta R.T. -0.09 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

Instrument :

MSVOA_F

ClientSampleId :

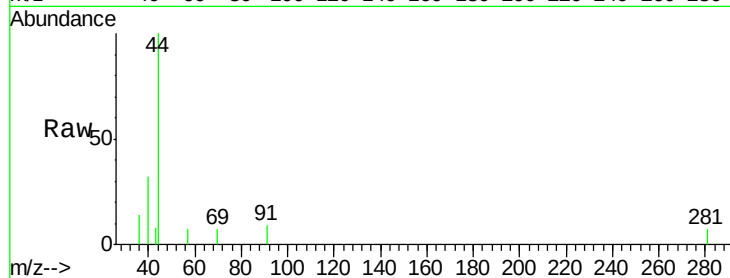
SU-02-011119-B

Tot Ion: 91 Resp: 84

Ion Ratio Lower Upper

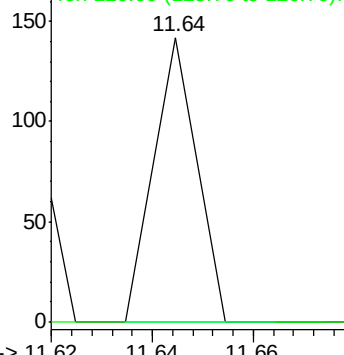
91 100

126 0.0 16.6 49.8#

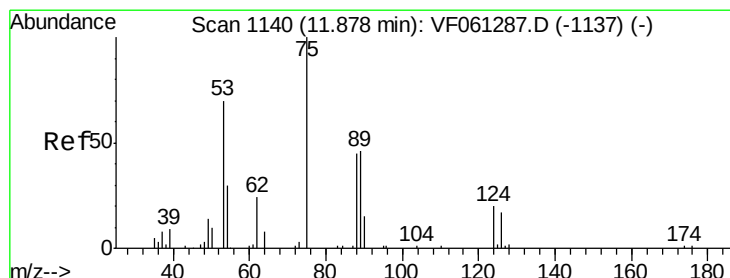
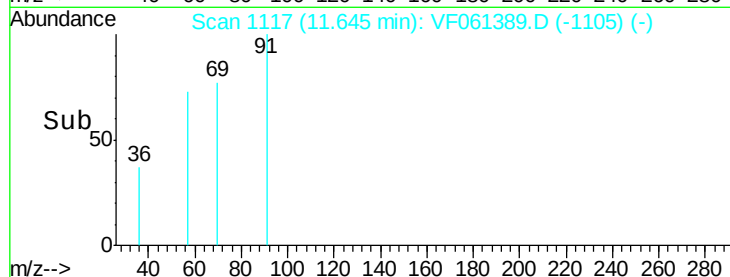


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.62 11.64 11.66



#81

trans-1,4-Dichloro-2-butene

Concen: 54.126 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.13 min

Lab File: VF061389.D

Acq: 14 Jan 2019 15:09

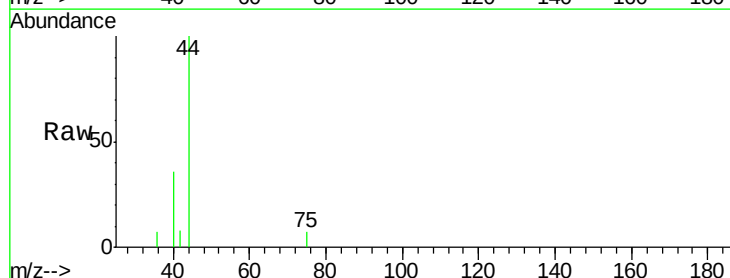
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

53 0.0 62.2 93.2#

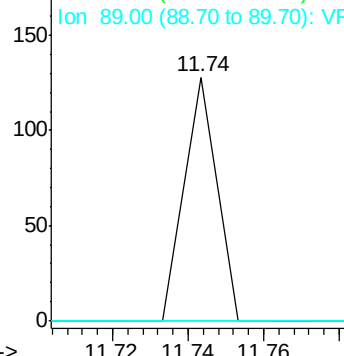
89 0.0 40.2 60.4#



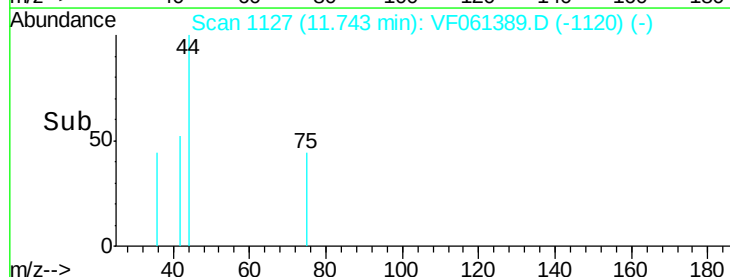
Abundance Ion 75.00 (74.70 to 75.70): VF0

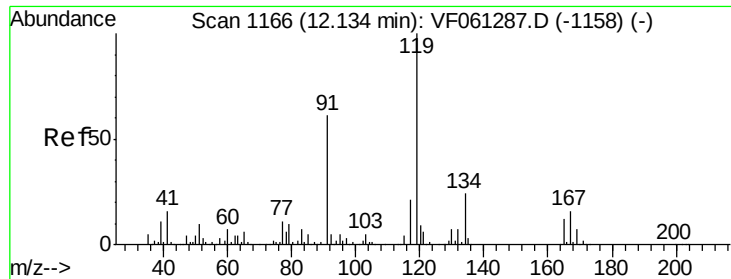
Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time--> 11.72 11.74 11.76

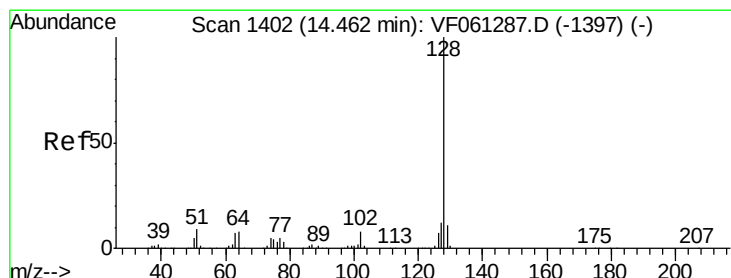
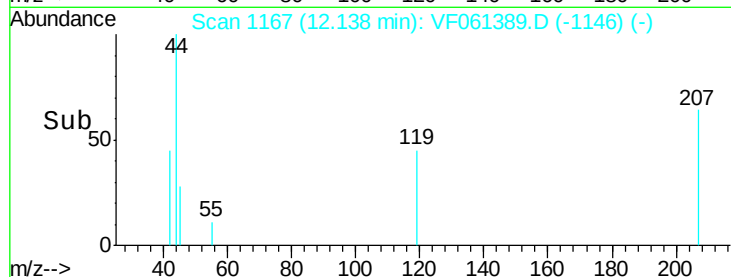
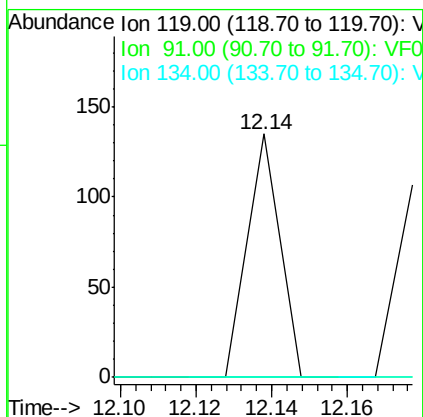
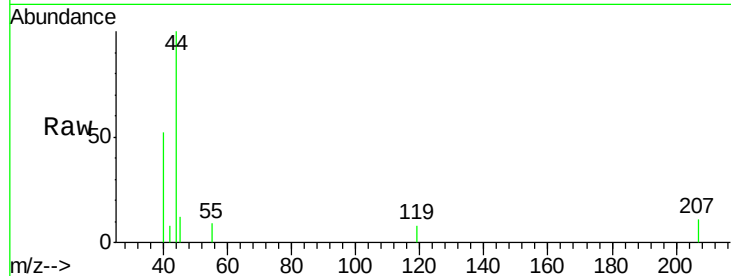




#83
tert-Butylbenzene
Concen: 3.652 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Instrument :
MSVOA_F
ClientSampleId :
SU-02-011119-B

Tot Ion:119 Resp: 80
Ion Ratio Lower Upper
119 100
91 0.0 30.8 92.4#
134 0.0 11.9 35.9#



#95
Naphthalene
Concen: 4.666 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061389.D
Acq: 14 Jan 2019 15:09

Tgt Ion:128 Resp: 62
Ion Ratio Lower Upper
128 100
127 0.0 9.4 14.0#
129 0.0 8.8 13.2#

