

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060874.D
 Acq On : 29 Nov 2018 18:45
 Operator : VA/AP
 Sample : J5771-07
 Misc : 8.18g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-A

Quant Time: Nov 30 05:59:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	3672	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	5278	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.79	117	3750	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	1263	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	1043	24.11	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	48.22%	
35) Dibromofluoromethane	4.13	113	1696	40.50	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.00%	
50) Toluene-d8	7.55	98	5303	42.99	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	85.98%	
62) 4-Bromofluorobenzene	11.41	95	1390	24.80	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	49.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	143	4.003	ug/l #	41
4) Vinyl Chloride	1.17	62	134	4.021	ug/l #	42
5) Bromomethane	1.34	94	760	32.342	ug/l #	40
6) Chloroethane	1.48	64	94	6.525	ug/l #	40
7) Trichlorofluoromethane	1.63	101	76	1.063	ug/l #	15
8) Diethyl Ether	1.67	74	121	11.768	ug/l	69
10) Methyl Iodide	1.74	142	62	1.128	ug/l #	26
11) Tert butyl alcohol	2.55	59	60	33.837	ug/l #	62
12) 1,1-Dichloroethene	1.76	96	221	7.601	ug/l #	1
13) Acrolein	2.00	56	753	448.195	ug/l #	62
14) Allyl chloride	2.12	41	951	26.242	ug/l #	86
15) Acrylonitrile	2.79	53	472	118.729	ug/l	85
16) Acetone	2.22	43	1265	158.583	ug/l	96
18) Methyl Acetate	2.34	43	680	50.840	ug/l #	61
19) Methyl tert-butyl Ether	2.40	73	66	1.008	ug/l #	58
20) Methylene Chloride	2.25	84	95	3.246	ug/l #	2
21) trans-1,2-Dichloroethene	2.34	96	105	3.746	ug/l #	19
22) Diisopropyl ether	2.84	45	710	7.198	ug/l #	1
23) Vinyl Acetate	3.18	43	997	22.111	ug/l #	80
24) 1,1-Dichloroethane	2.88	63	131	2.232	ug/l #	86
25) 2-Butanone	4.34	43	136	9.857	ug/l #	57
26) 2,2-Dichloropropane	3.65	77	164	4.310	ug/l #	60
27) cis-1,2-Dichloroethene	3.49	96	71	1.556	ug/l	1
29) Tetrahydrofuran	4.06	42	128	21.886	ug/l #	37
31) Cyclohexane	3.71	56	85	1.396	ug/l #	15
36) 1,1-Dichloropropene	4.28	75	83	1.418	ug/l #	44
37) Ethyl Acetate	4.16	43	785	32.997	ug/l #	14
39) Methylcyclohexane	5.60	83	69	1.125	ug/l #	13
41) Methacrylonitrile	4.70	41	399	30.913	ug/l #	23
43) Isopropyl Acetate	6.95	43	330	9.013	ug/l #	49
48) Methyl methacrylate	6.71	41	378	17.554	ug/l #	88
49) 1,4-Dioxane	6.28	88	63	399.745	ug/l #	1
51) 4-Methyl-2-Pentanone	8.20	43	437	19.920	ug/l #	38
53) t-1,3-Dichloropropene	8.19	75	215	4.368	ug/l #	40

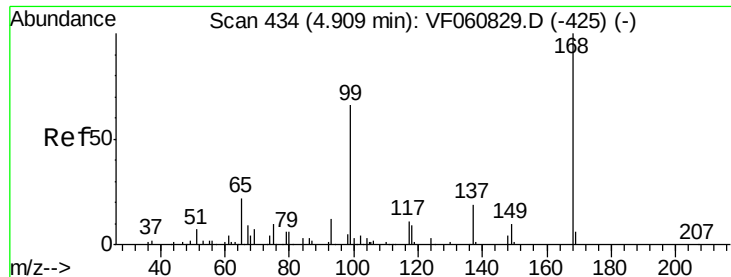
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 1,1,2-Trichloroethane	8.46	97	60	2.267	ug/l #	15
59) 2-Hexanone	9.46	43	243	15.789	ug/l #	27
68) m/p-Xylenes	10.18	106	60	1.228	ug/l #	1
74) N-amyl acetate	11.39	43	284	12.322	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.80	83	72	4.383	ug/l #	25
79) 2-Chlorotoluene	11.77	91	73	1.089	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.96	105	96	1.185	ug/l #	26
82) 4-Chlorotoluene	11.88	91	88	1.248	ug/l #	45
95) Naphthalene	14.46	128	444	5.169	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

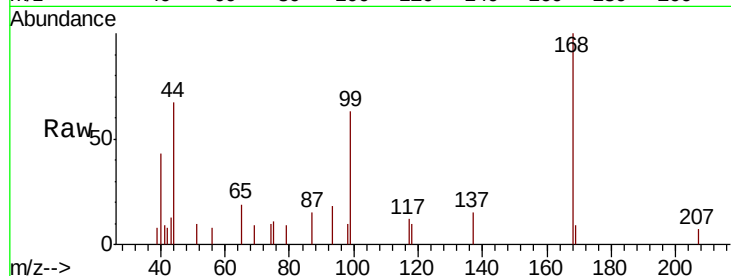
EO-02-112918-A

Tot Ion:168 Resp: 3672

Ion Ratio Lower Upper

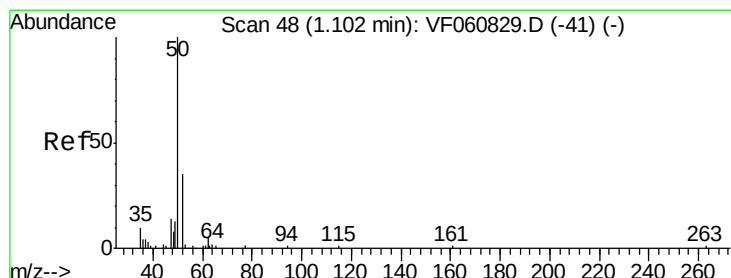
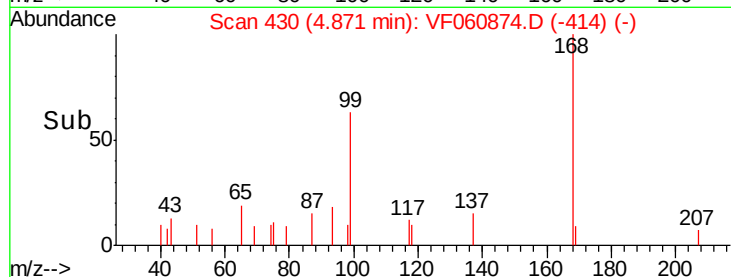
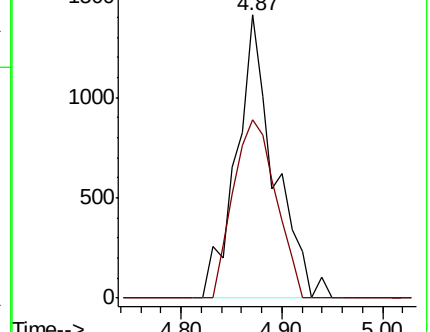
168 100

99 63.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 4.003 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060874.D

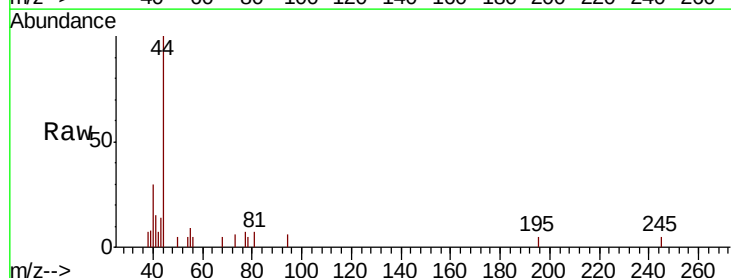
Acq: 29 Nov 2018 18:45

Tgt Ion: 50 Resp: 143

Ion Ratio Lower Upper

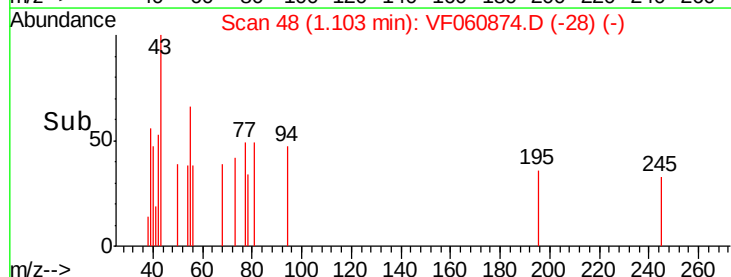
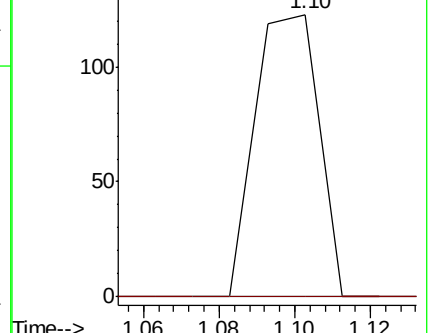
50 100

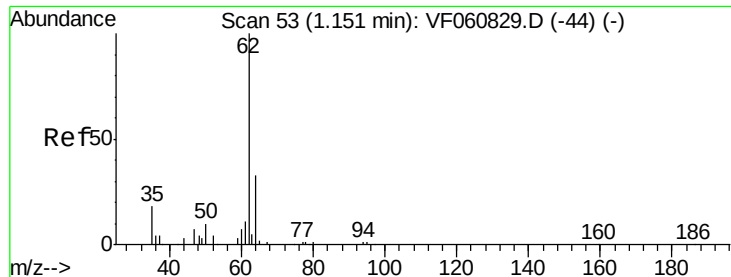
52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 4.021 ug/l

RT: 1.17 min Scan# 55

Delta R.T. 0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

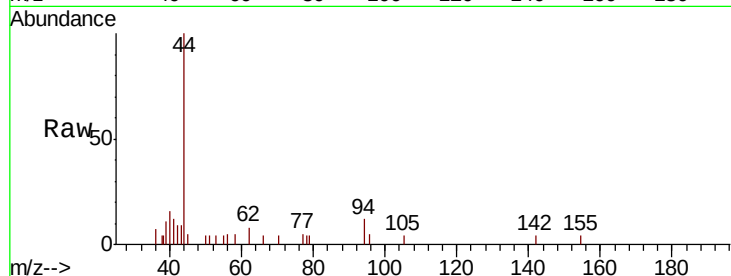
EO-02-112918-A

Tot Ion: 62 Resp: 134

Ion Ratio Lower Upper

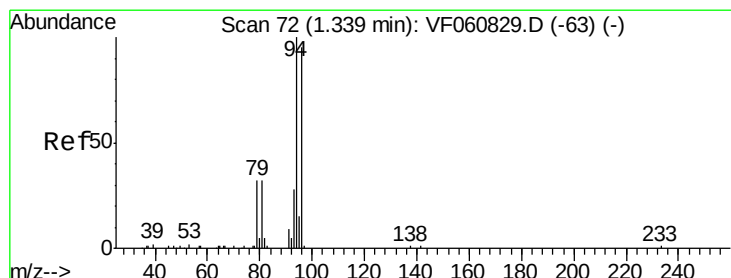
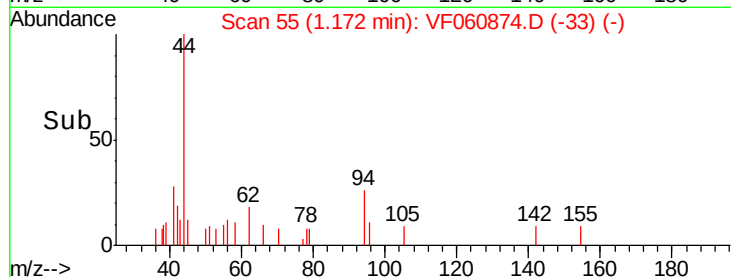
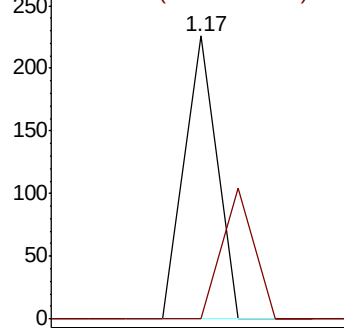
62 100

64 0.0 26.4 39.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 32.342 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060874.D

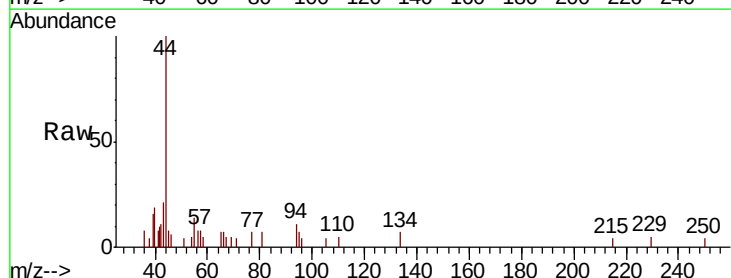
Acq: 29 Nov 2018 18:45

Tgt Ion: 94 Resp: 760

Ion Ratio Lower Upper

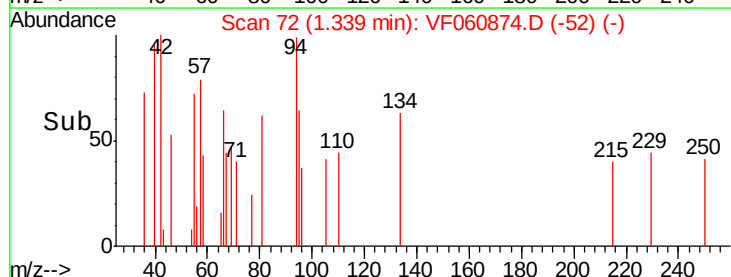
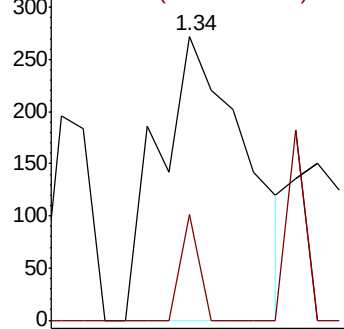
94 100

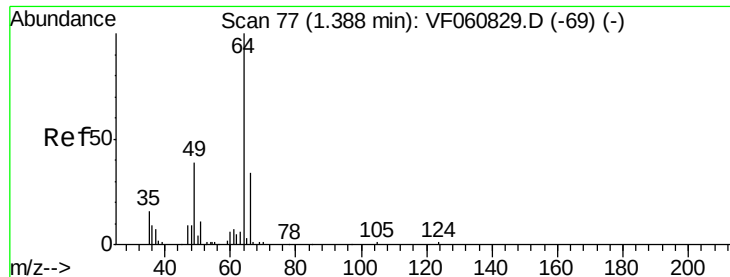
96 37.1 75.9 113.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 6.525 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.09 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

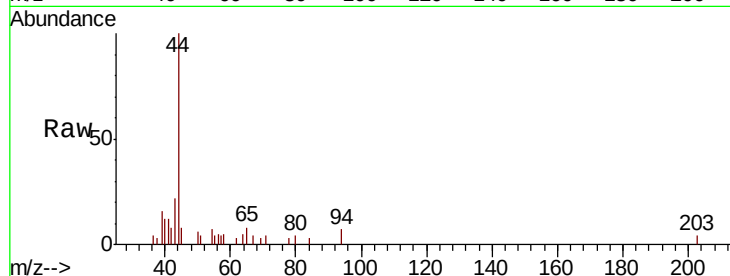
EO-02-112918-A

Tot Ion: 64 Resp: 94

Ion Ratio Lower Upper

64 100

66 0.0 28.1 42.1#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.48

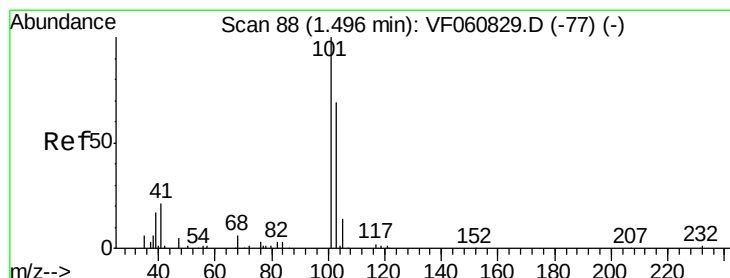
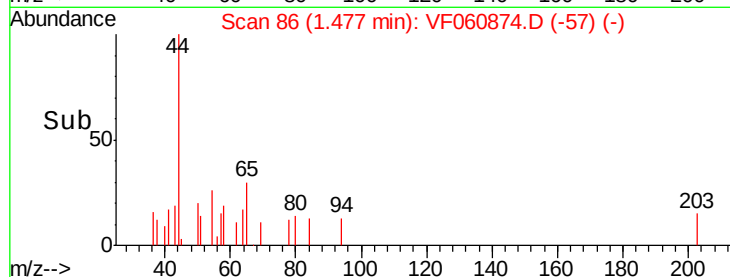
150

100

50

0

Time--> 1.44 1.46 1.48 1.50



#7

Trichlorofluoromethane

Concen: 1.063 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.13 min

Lab File: VF060874.D

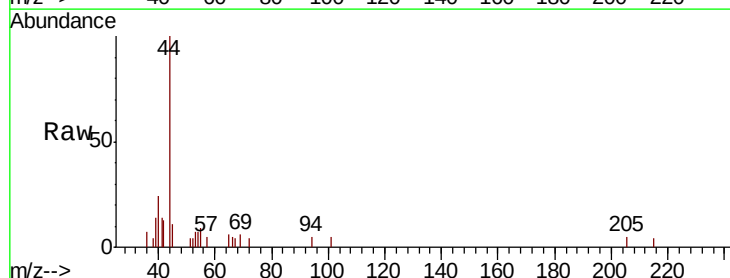
Acq: 29 Nov 2018 18:45

Tgt Ion: 101 Resp: 76

Ion Ratio Lower Upper

101 100

103 0.0 55.4 83.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

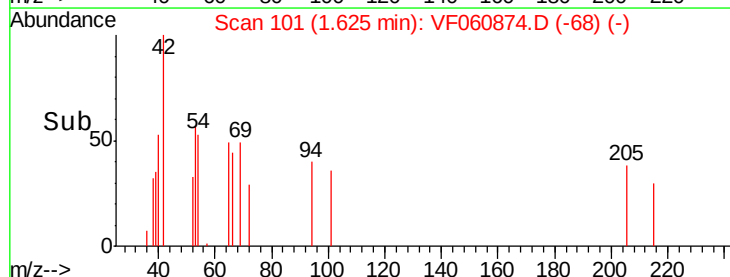
150

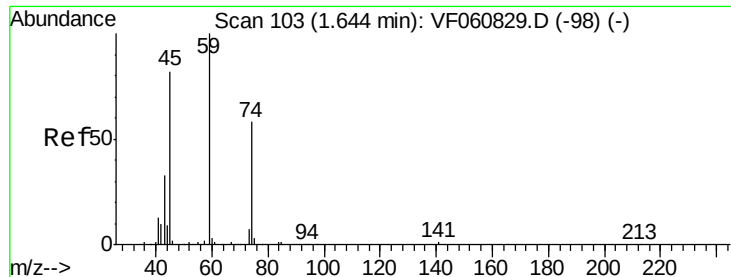
100

50

0

Time--> 1.60 1.62 1.64





#8

Diethyl Ether

Concen: 11.768 ug/l

RT: 1.67 min Scan# 106

Delta R.T. 0.03 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

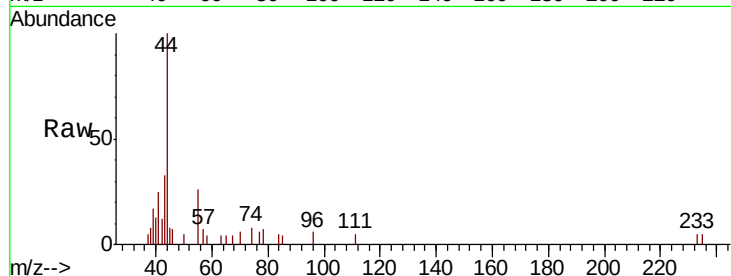
EO-02-112918-A

Tot Ion: 74 Resp: 121

Ion Ratio Lower Upper

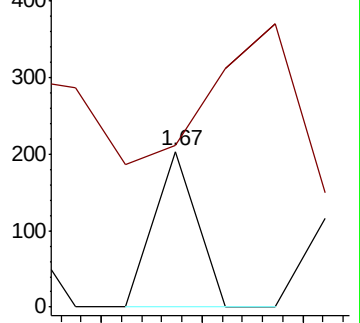
74 100

45 103.4 71.0 212.8

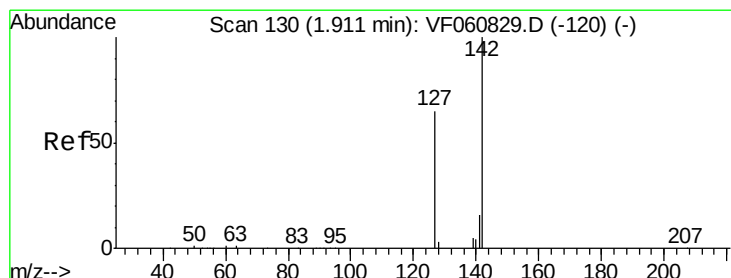
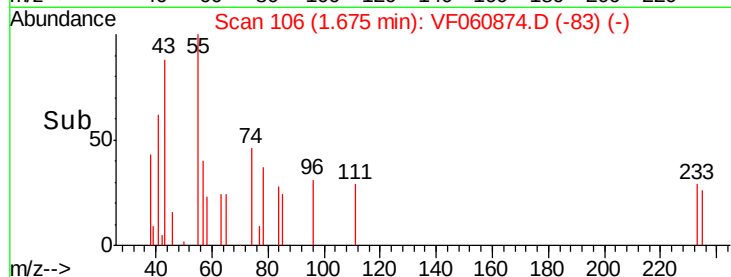


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->



#10

Methyl Iodide

Concen: 1.128 ug/l

RT: 1.74 min Scan# 113

Delta R.T. -0.17 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

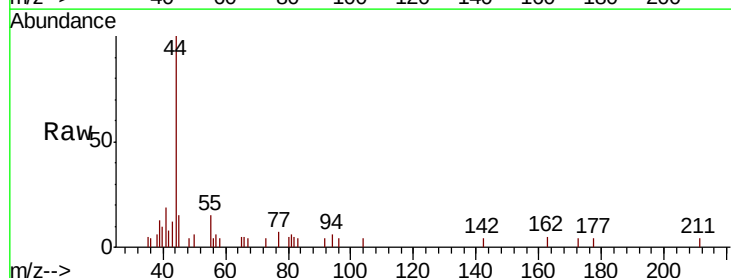
Tgt Ion: 142 Resp: 62

Ion Ratio Lower Upper

142 100

127 0.0 51.9 77.9#

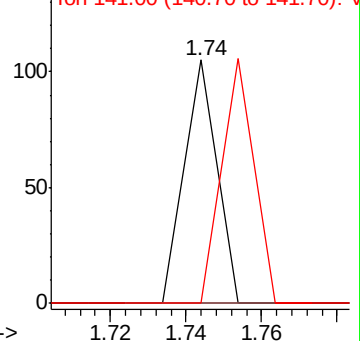
141 0.0 12.7 19.1#



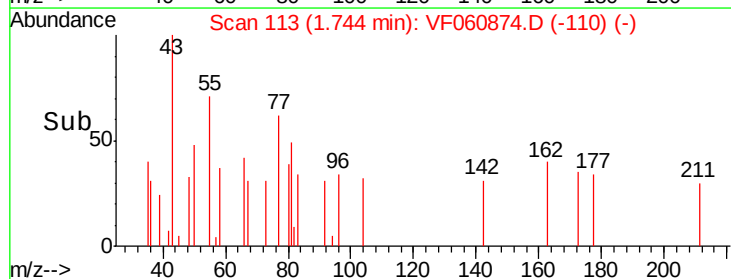
Abundance Ion 142.00 (141.70 to 142.70): V

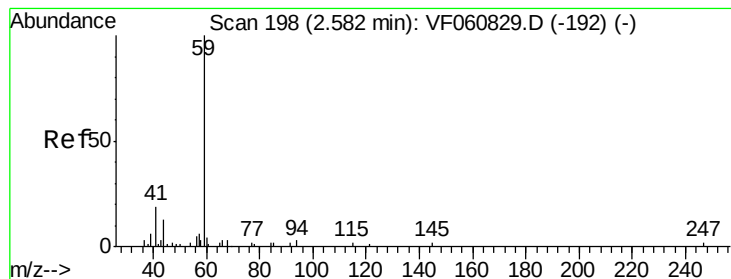
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time-->



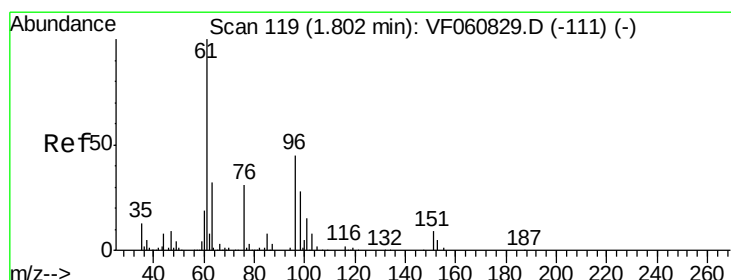
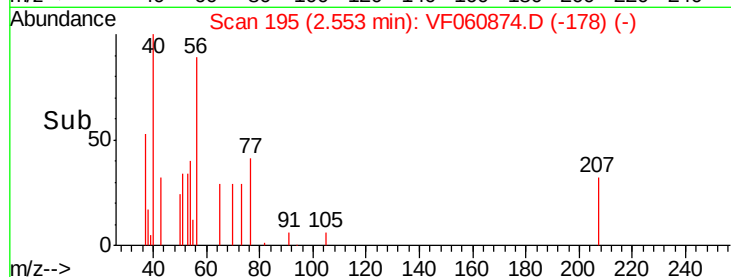
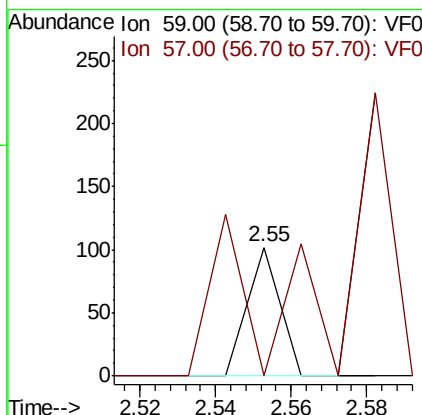
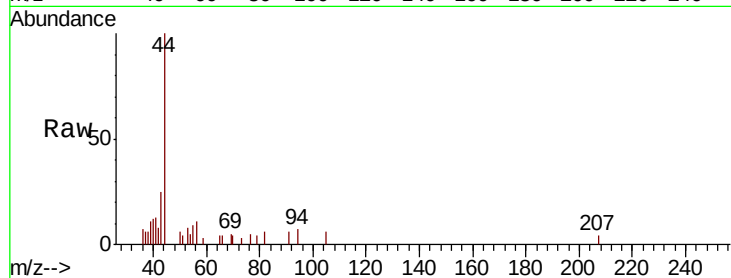


#11

Tert butyl alcohol
 Concen: 33.837 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.03 min
 Lab File: VF060874.D
 Acq: 29 Nov 2018 18:45

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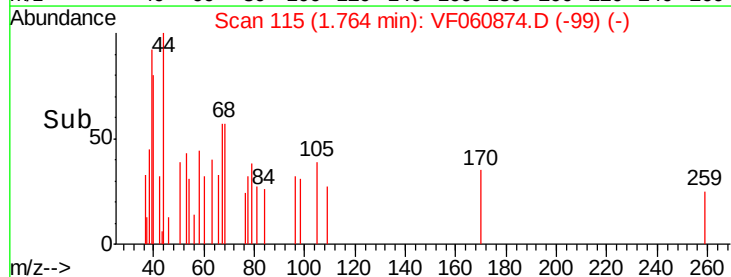
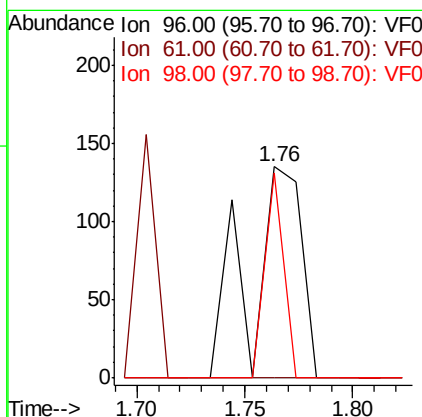
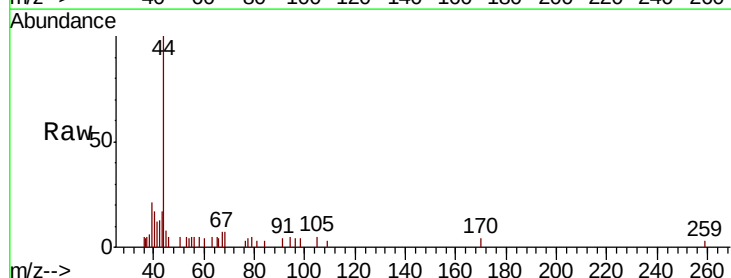
Tot Ion: 59 Resp: 60
 Ion Ratio Lower Upper
 59 100
 57 0.0 12.7 19.1#

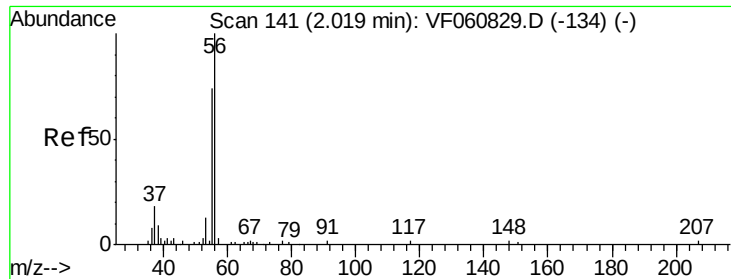


#12

1,1-Dichloroethene
 Concen: 7.601 ug/l
 RT: 1.76 min Scan# 115
 Delta R.T. -0.04 min
 Lab File: VF060874.D
 Acq: 29 Nov 2018 18:45

Tgt Ion: 96 Resp: 221
 Ion Ratio Lower Upper
 96 100
 61 0.0 177.3 265.9#
 98 97.0 49.6 74.4#





#13

Acrolein

Concen: 448.195 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

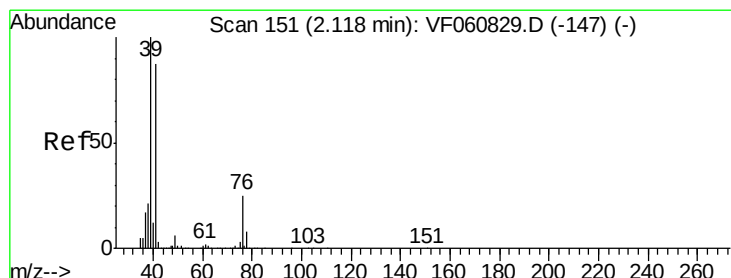
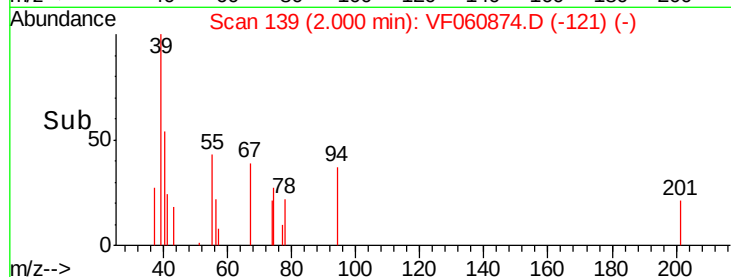
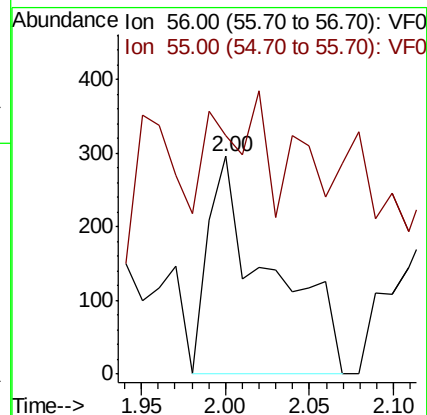
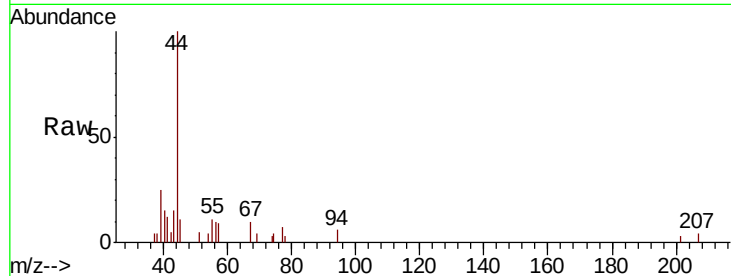
EO-02-112918-A

Tot Ion: 56 Resp: 753

Ion Ratio Lower Upper

56 100

55 109.5 61.2 91.8#



#14

Allyl chloride

Concen: 26.242 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.00 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

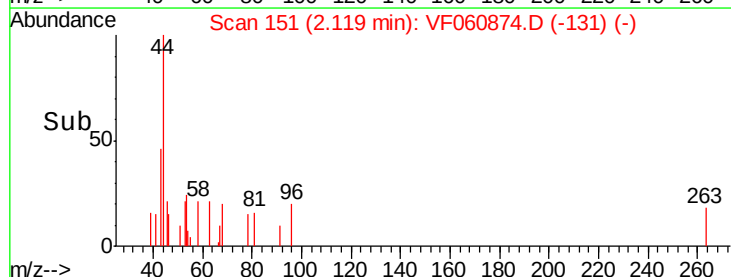
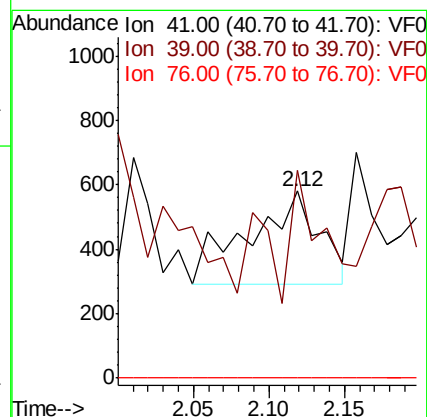
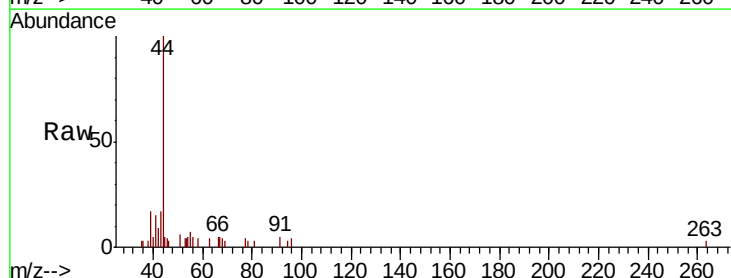
Tgt Ion: 41 Resp: 951

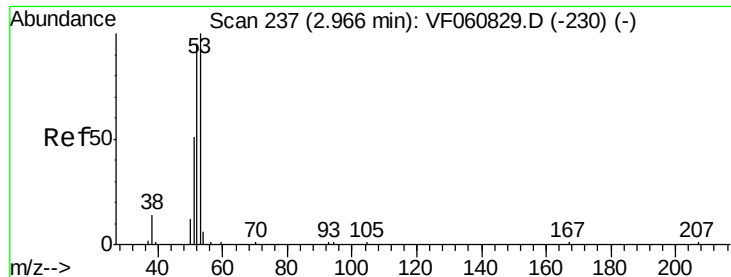
Ion Ratio Lower Upper

41 100

39 111.4 91.7 137.5

76 0.0 23.5 35.3#





#15

Acrylonitrile

Concen: 118.729 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.18 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

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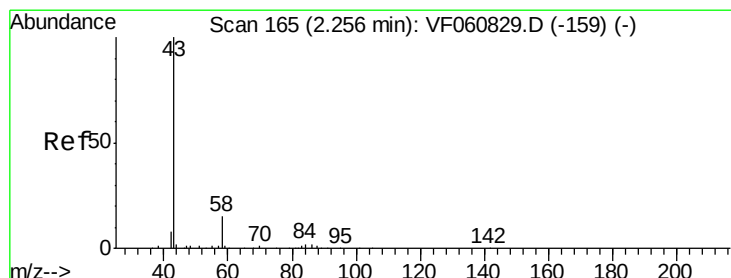
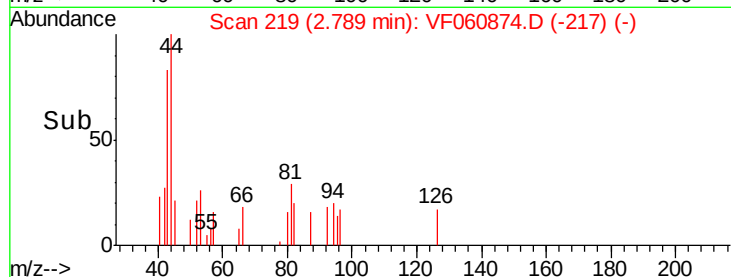
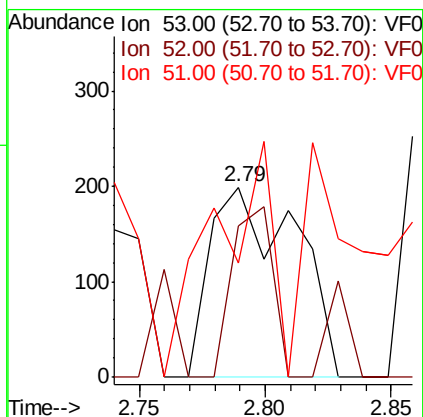
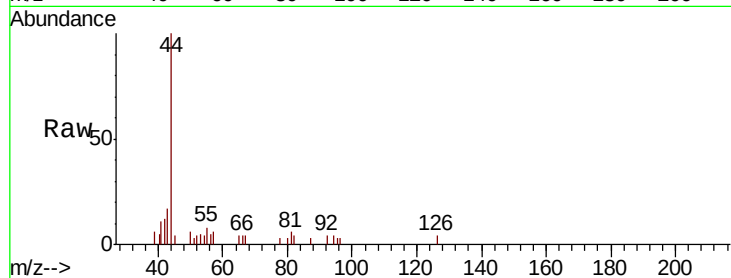
Tot Ion: 53 Resp: 472

Ion Ratio Lower Upper

53 100

52 79.9 76.5 114.7

51 59.8 40.7 61.1



#16

Acetone

Concen: 158.583 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.04 min

Lab File: VF060874.D

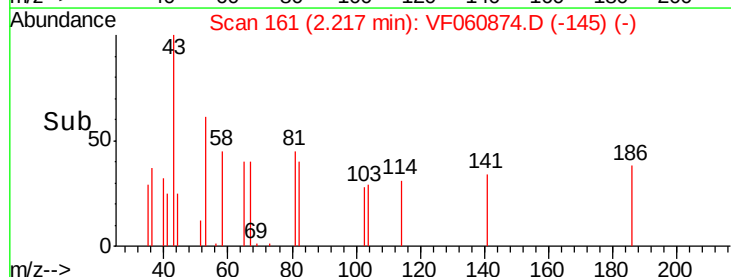
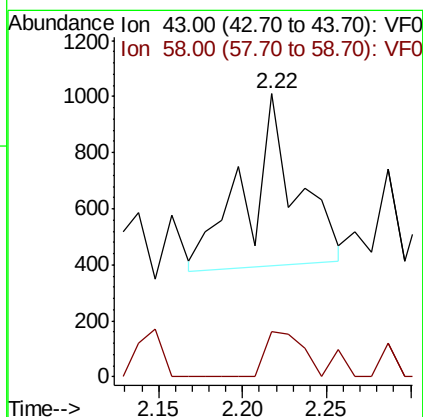
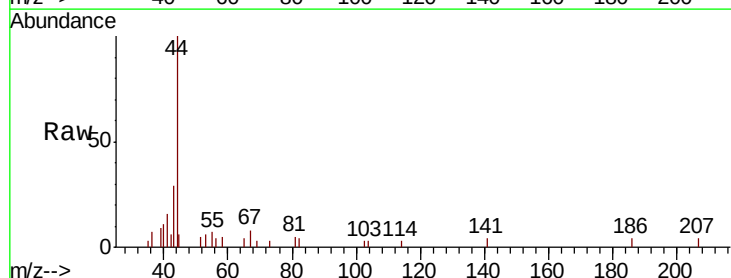
Acq: 29 Nov 2018 18:45

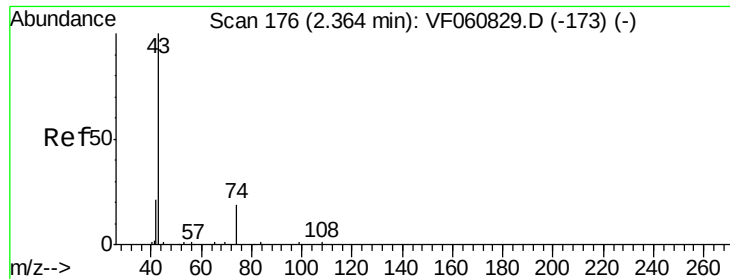
Tgt Ion: 43 Resp: 1265

Ion Ratio Lower Upper

43 100

58 16.1 11.4 17.2

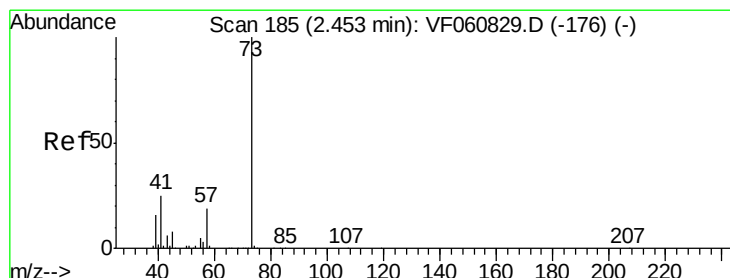
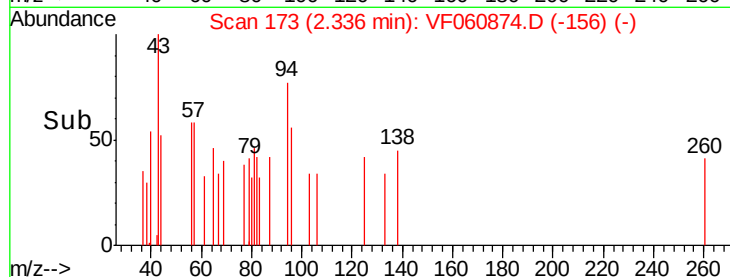
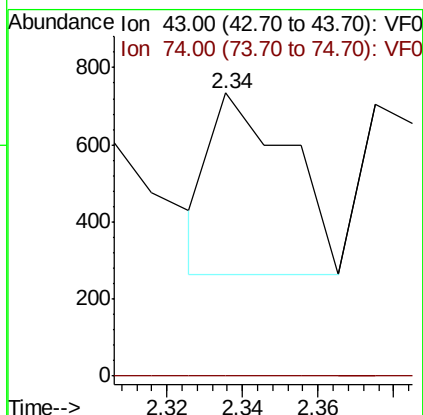
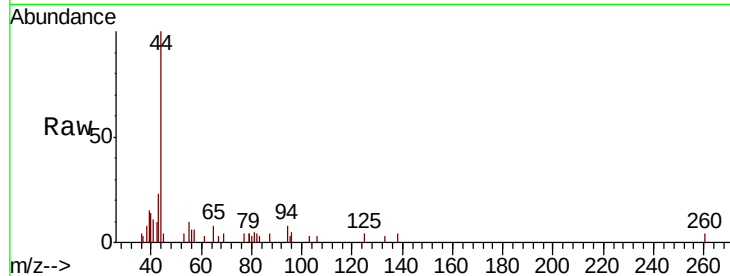




#18
Methyl Acetate
Concen: 50.840 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

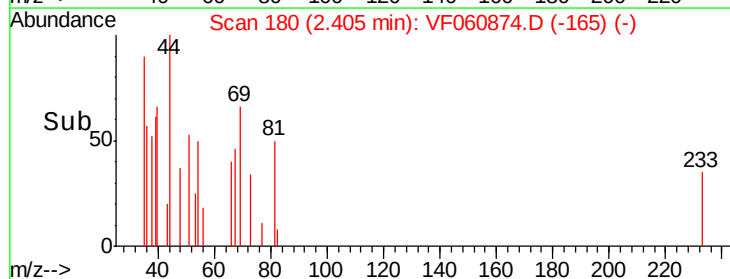
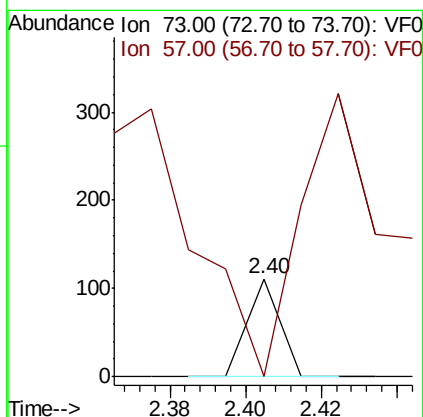
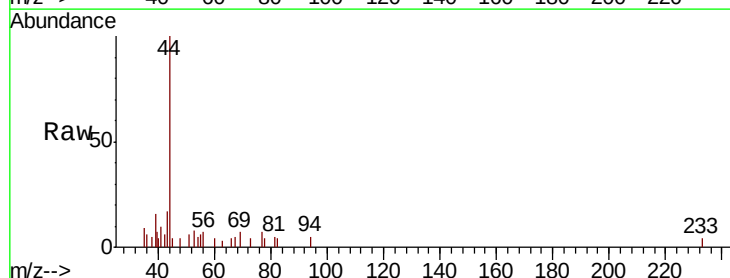
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-A

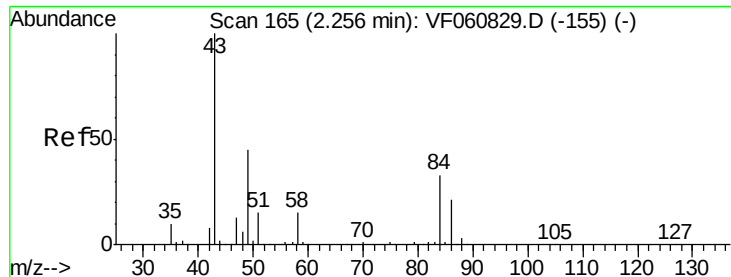
Tot Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#19
Methyl tert-butyl Ether
Concen: 1.008 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.05 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

Tgt Ion: 73 Resp: 66
Ion Ratio Lower Upper
73 100
57 0.0 15.3 22.9#





#20

Methylene Chloride

Concen: 3.246 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

Tot Ion: 84 Resp: 95

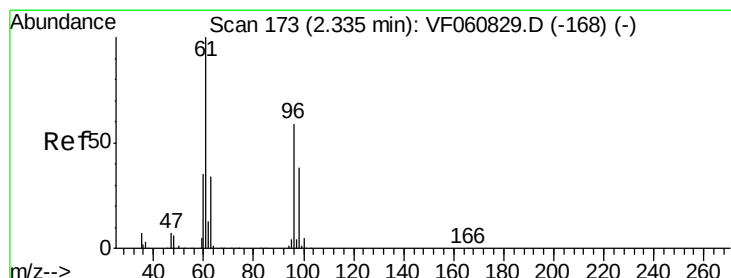
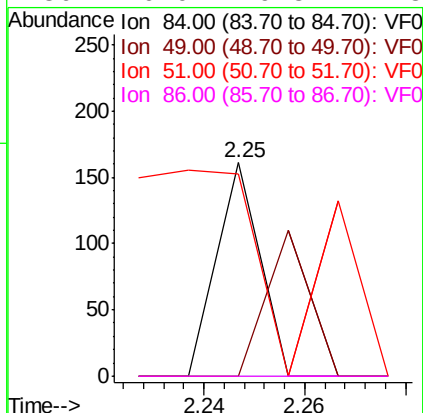
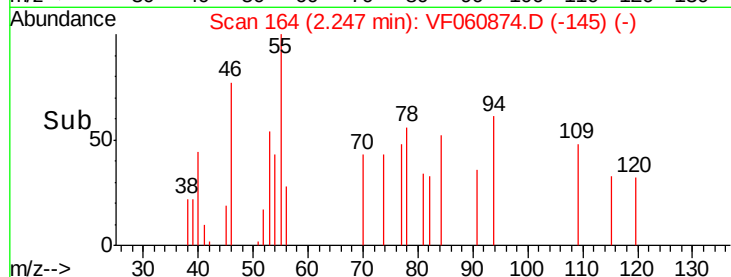
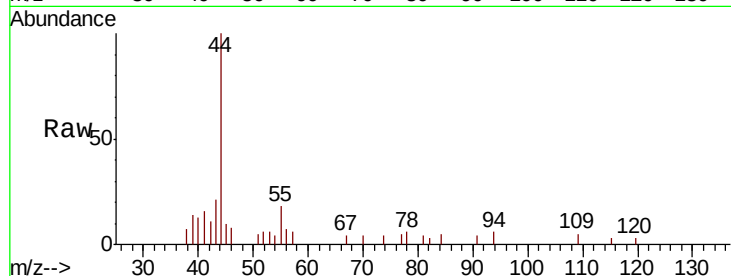
Ion Ratio Lower Upper

84 100

49 0.0 111.3 166.9#

51 95.0 38.0 57.0#

86 0.0 49.8 74.8#



#21

trans-1,2-Dichloroethene

Concen: 3.746 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

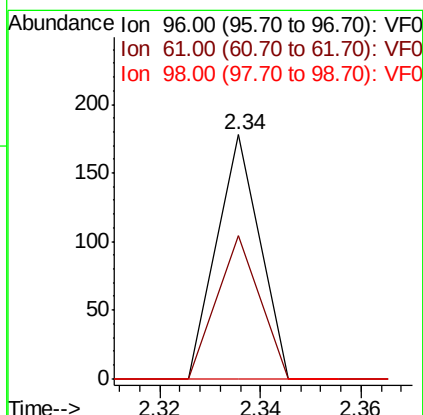
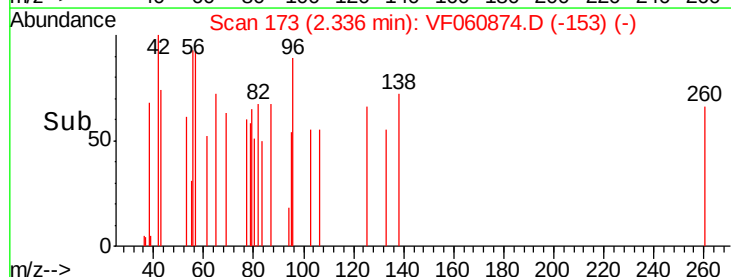
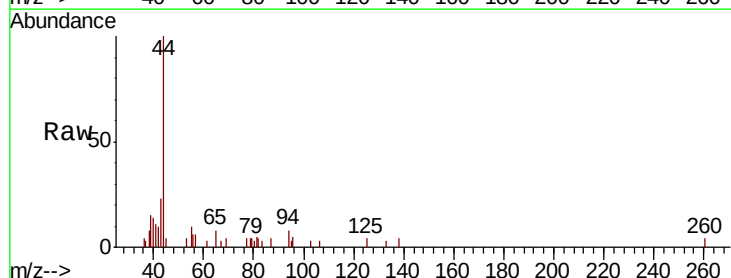
Tgt Ion: 96 Resp: 105

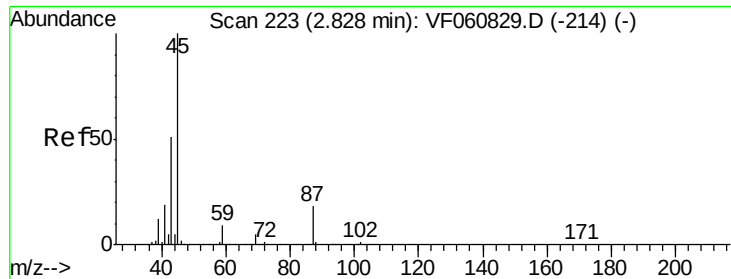
Ion Ratio Lower Upper

96 100

61 58.4 134.5 201.7#

98 0.0 51.6 77.4#





#22

Diisopropyl ether

Concen: 7.198 ug/l

RT: 2.84 min Scan# 224

Delta R.T. 0.01 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

Tot Ion: 45 Resp: 710

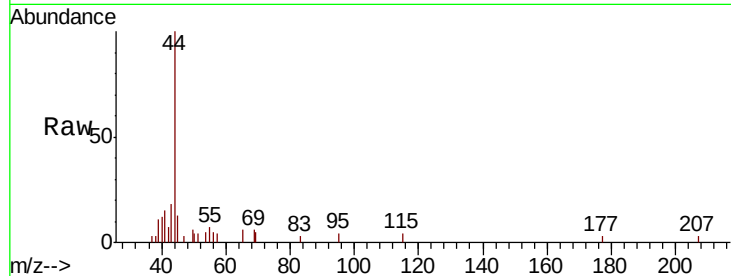
Ion Ratio Lower Upper

45 100

43 145.2 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

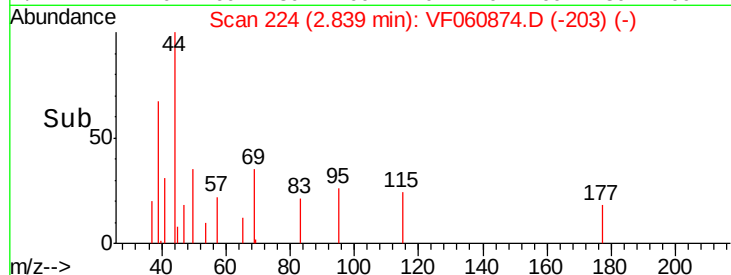


Abundance Ion 45.00 (44.70 to 45.70): VF0

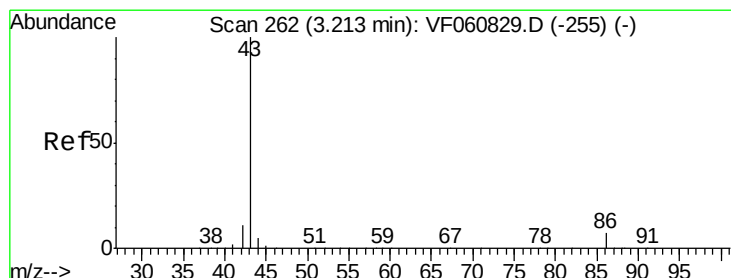
Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



Time--> 2.75 2.80 2.85



#23

Vinyl Acetate

Concen: 22.111 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF060874.D

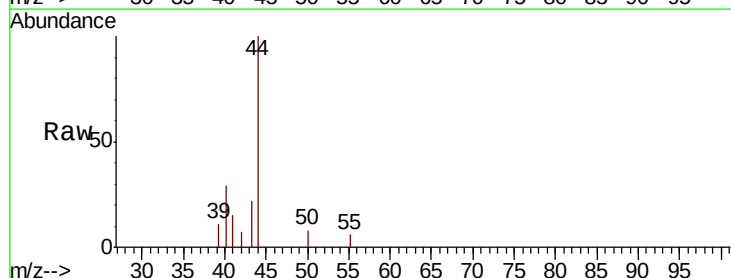
Acq: 29 Nov 2018 18:45

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

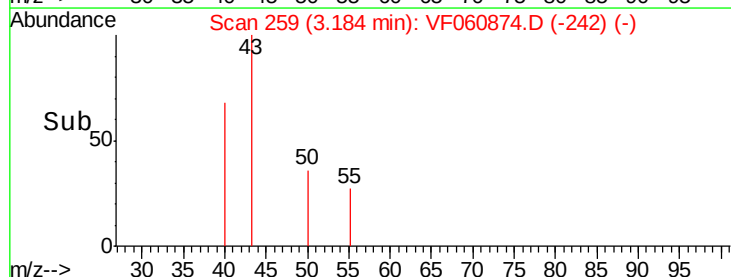
43 100

86 0.0 5.4 8.0#

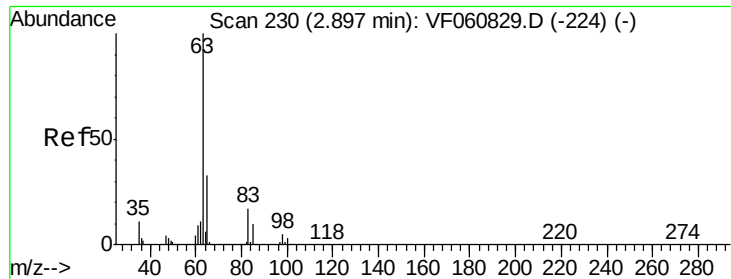


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time--> 3.15 3.20



#24

1,1-Dichloroethane

Concen: 2.232 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

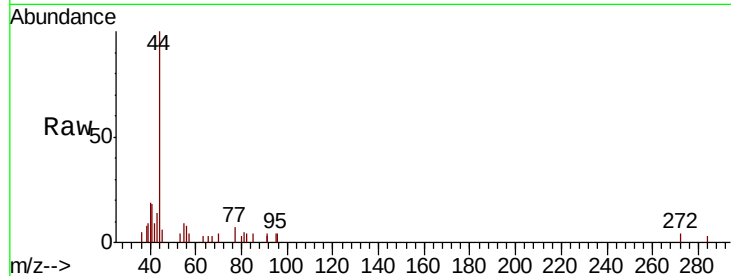
Tot Ion: 63 Resp: 131

Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

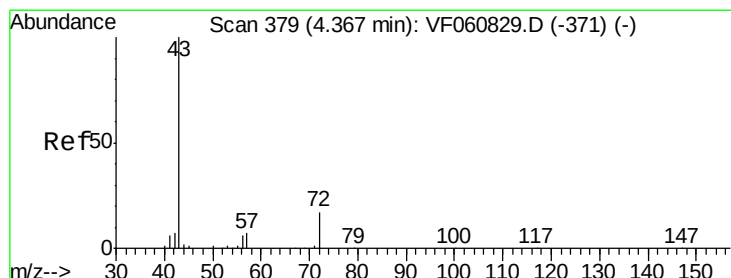
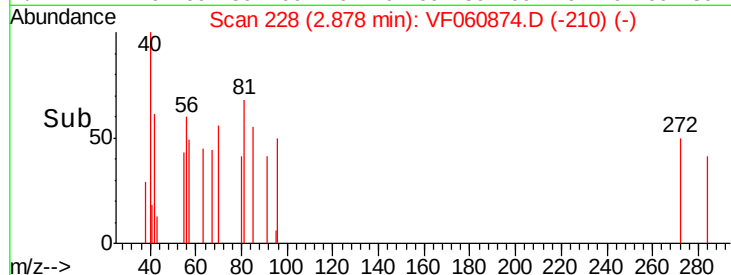
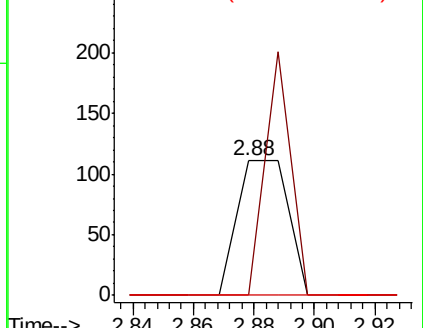
100 0.0 1.5 4.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 9.857 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF060874.D

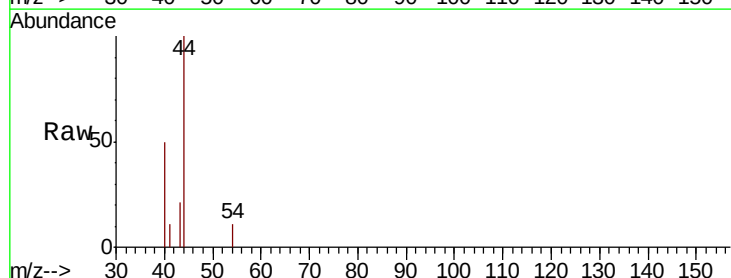
Acq: 29 Nov 2018 18:45

Tgt Ion: 43 Resp: 136

Ion Ratio Lower Upper

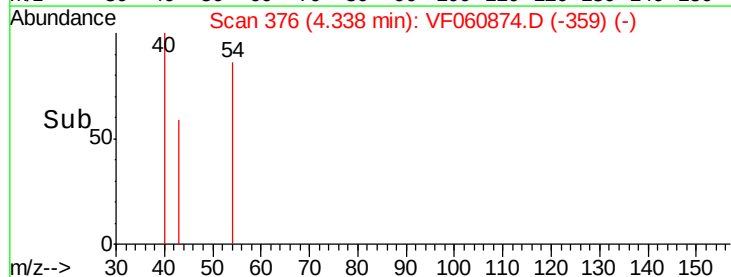
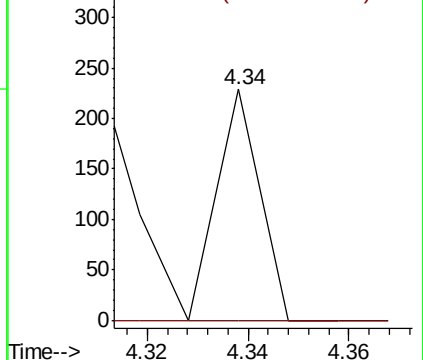
43 100

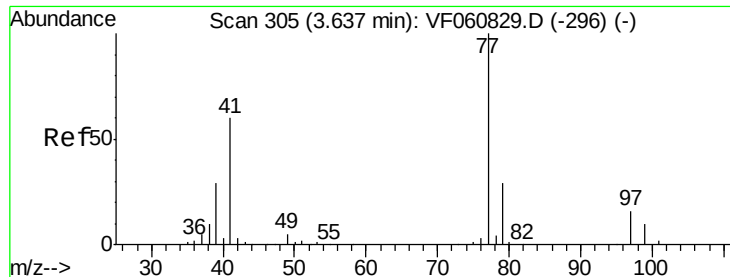
72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 4.310 ug/l

RT: 3.65 min Scan# 306

Delta R.T. 0.01 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

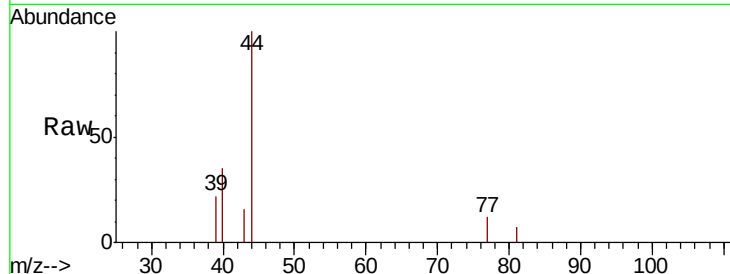
EO-02-112918-A

Tot Ion: 77 Resp: 164

Ion Ratio Lower Upper

77 100

97 0.0 8.6 25.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.65

150

100

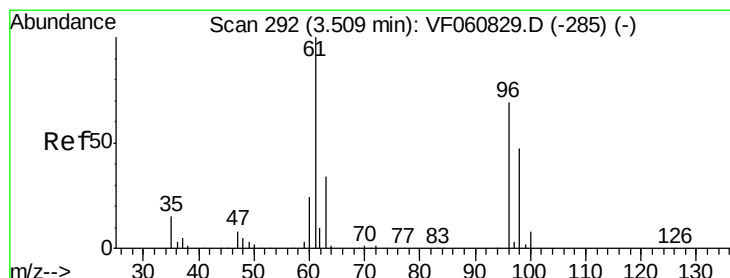
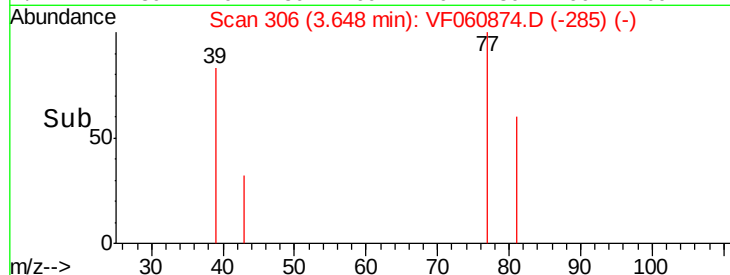
50

0

3.60

3.65

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.556 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

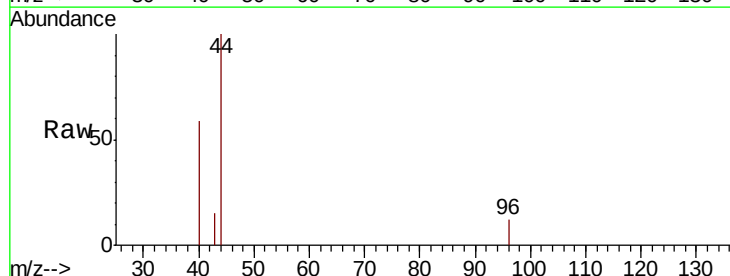
Tgt Ion: 96 Resp: 71

Ion Ratio Lower Upper

96 100

61 0.0 0.0 290.6

98 0.0 0.0 137.8



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

150

100

50

0

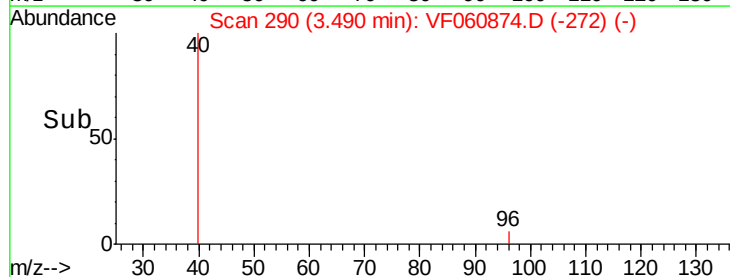
3.48

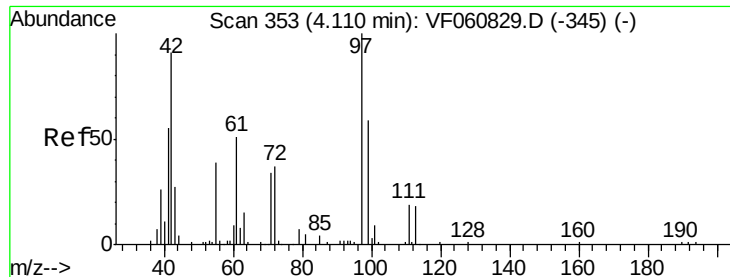
3.49

3.50

3.52

Time-->





#29

Tetrahydrofuran

Concen: 21.886 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

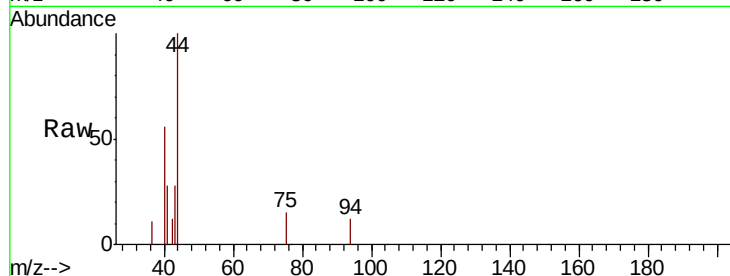
Tot Ion: 42 Resp: 128

Ion Ratio Lower Upper

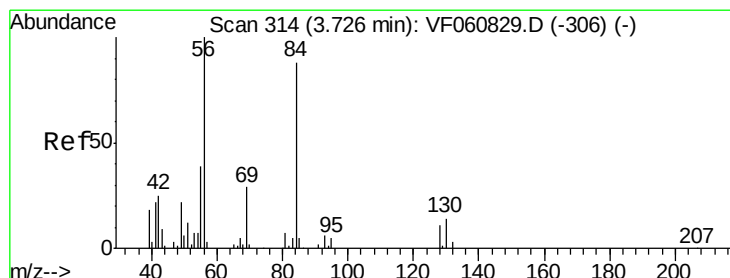
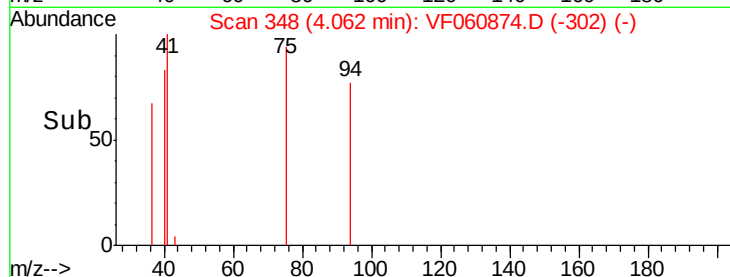
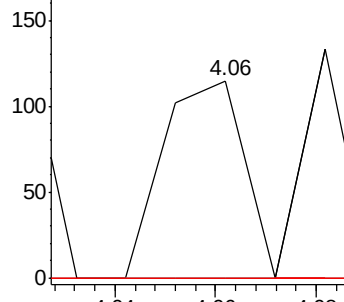
42 100

72 0.0 31.9 47.9#

71 0.0 28.7 43.1#



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

Cyclohexane

Concen: 1.396 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

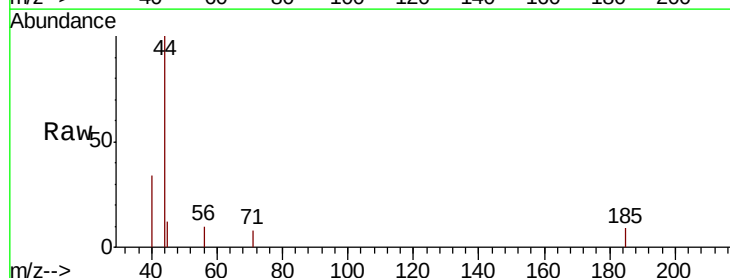
Tgt Ion: 56 Resp: 85

Ion Ratio Lower Upper

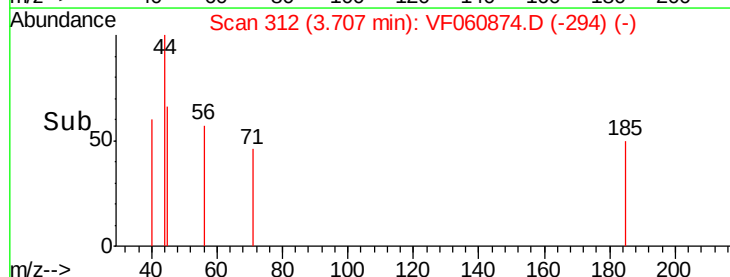
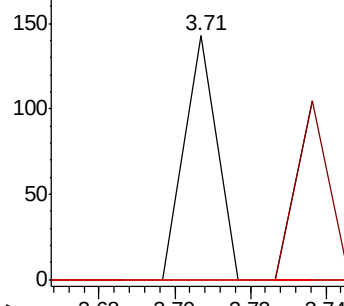
56 100

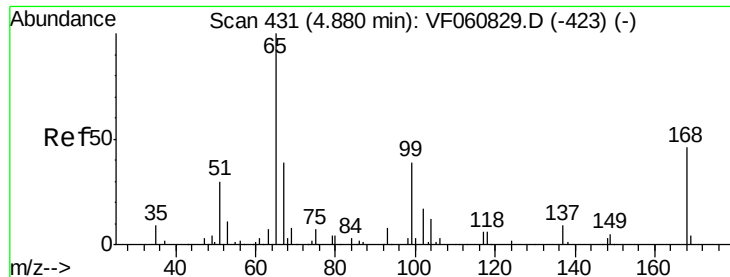
69 0.0 23.0 34.4#

84 0.0 70.4 105.6#



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

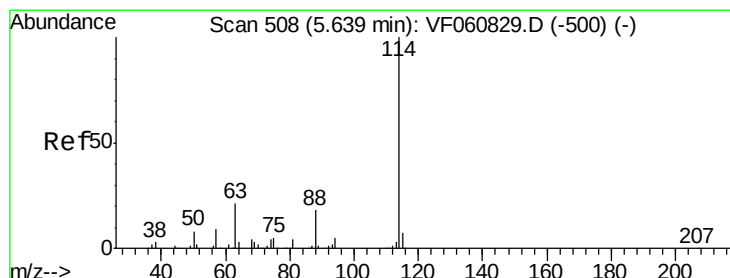
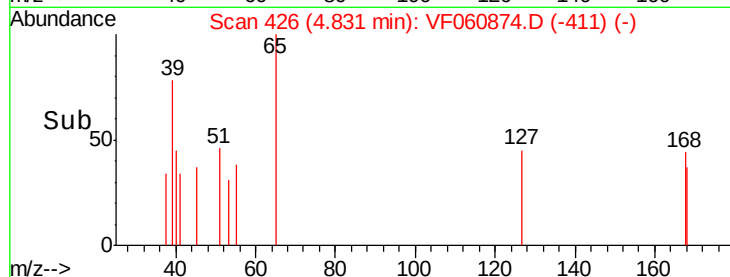
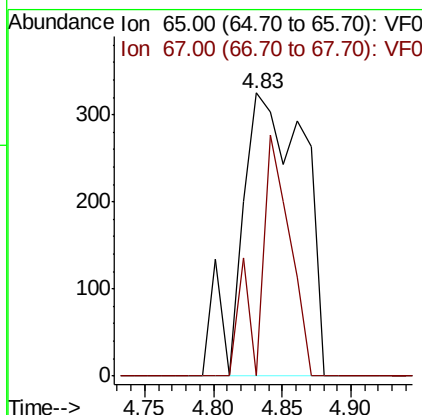
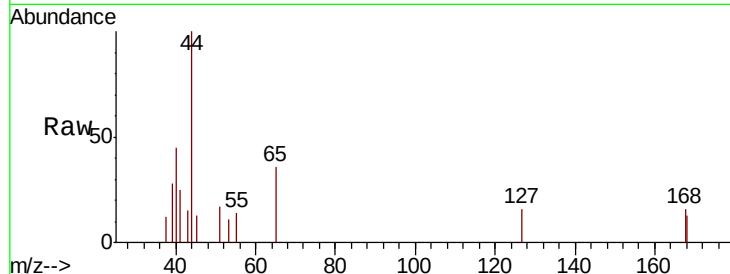




#33
 1,2-Dichloroethane-d4
 Concen: 24.111 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF060874.D
 Acq: 29 Nov 2018 18:45

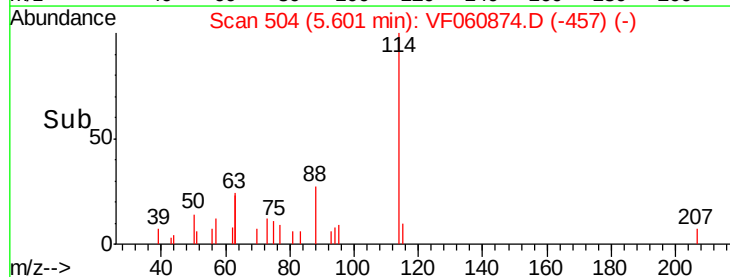
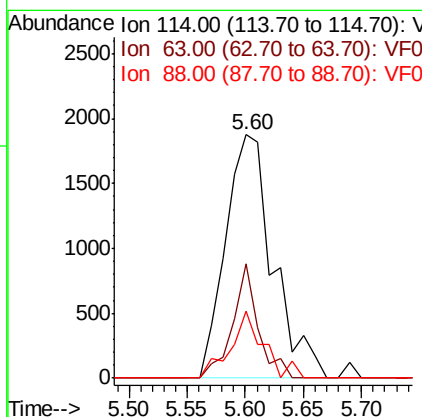
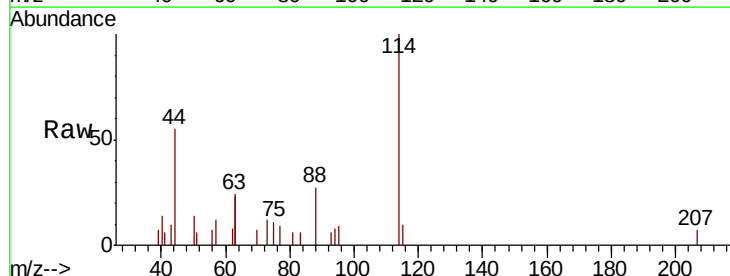
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-112918-A

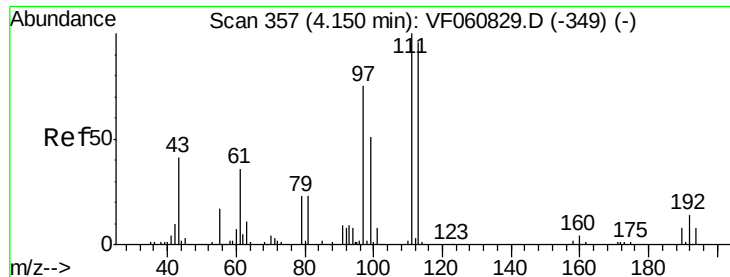
Tot Ion: 65 Resp: 1043
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060874.D
 Acq: 29 Nov 2018 18:45

Tgt Ion: 114 Resp: 5278
 Ion Ratio Lower Upper
 114 100
 63 47.2 0.0 41.6#
 88 27.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 40.505 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

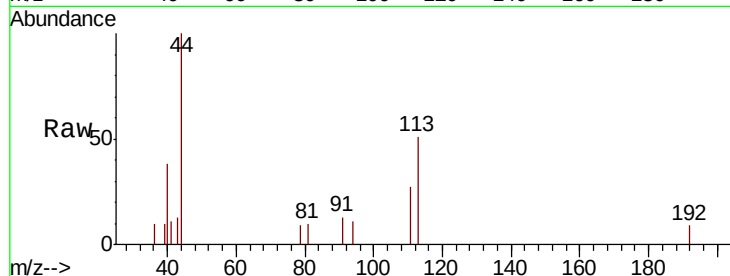
Tot Ion:113 Resp: 1696

Ion Ratio Lower Upper

113 100

111 53.3 83.0 124.6#

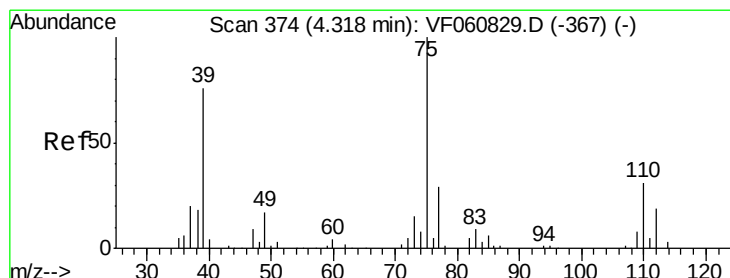
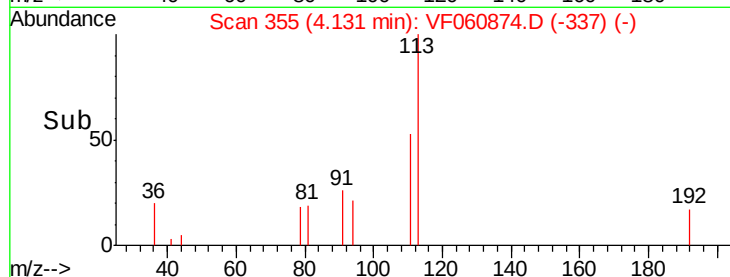
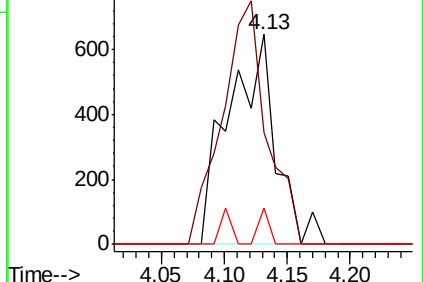
192 17.5 12.3 18.5



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: 1.418 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.04 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

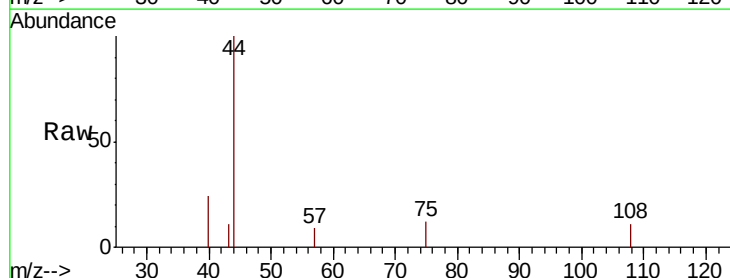
Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

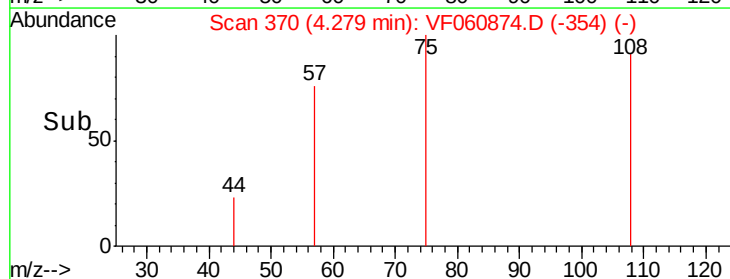
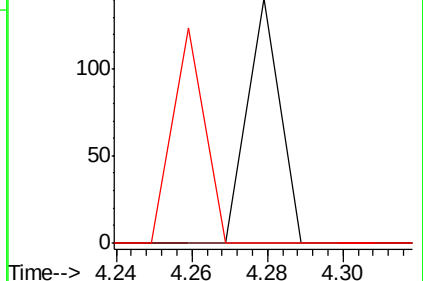
77 0.0 23.4 35.0#

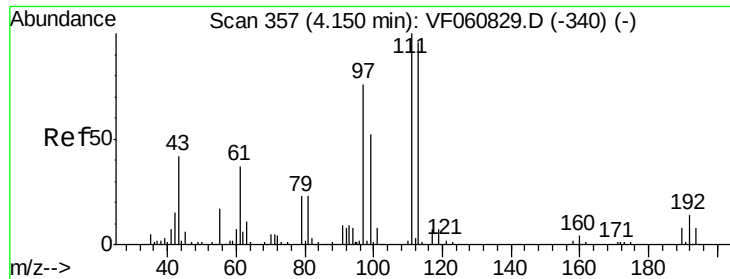


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 32.997 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

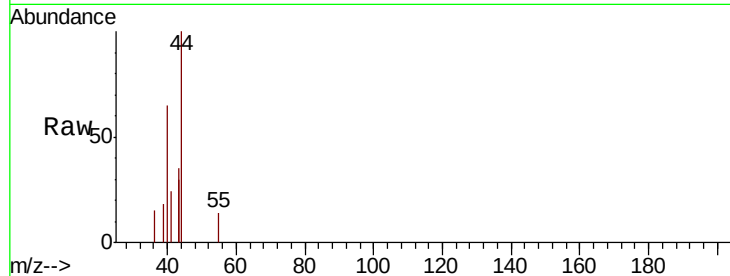
Tot Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

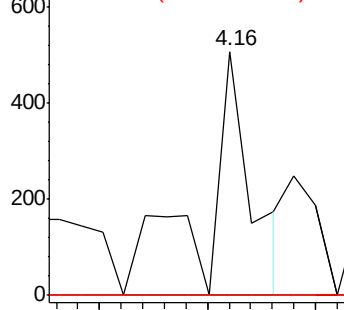
70 0.0 9.0 13.4#



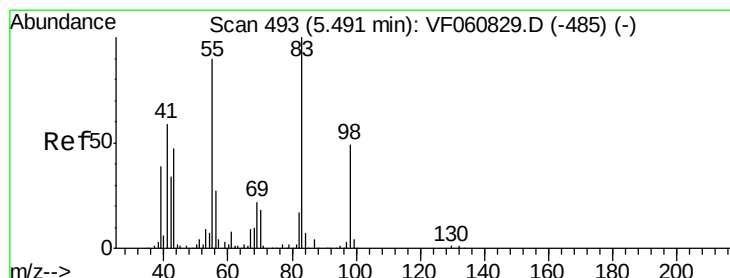
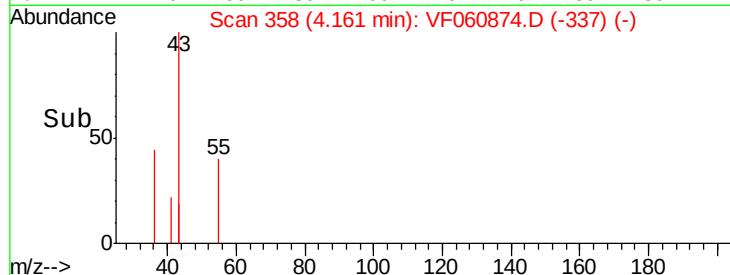
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#39

Methylcyclohexane

Concen: 1.125 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.11 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

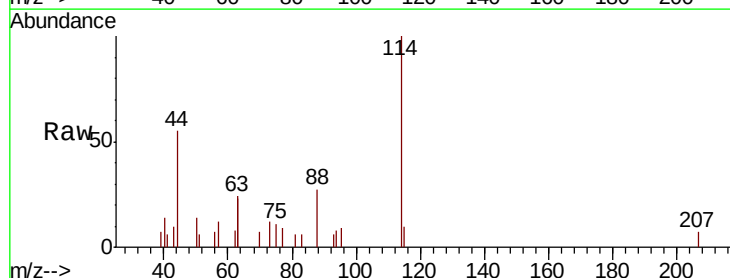
Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

55 0.0 72.1 108.1#

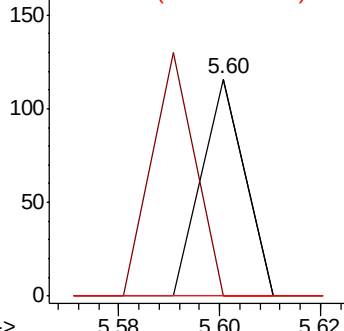
98 0.0 39.1 58.7#



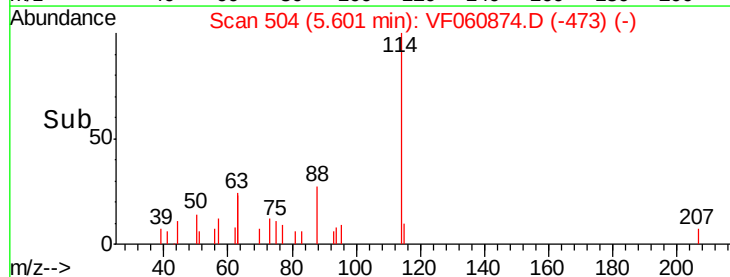
Abundance Ion 83.00 (82.70 to 83.70): VF0

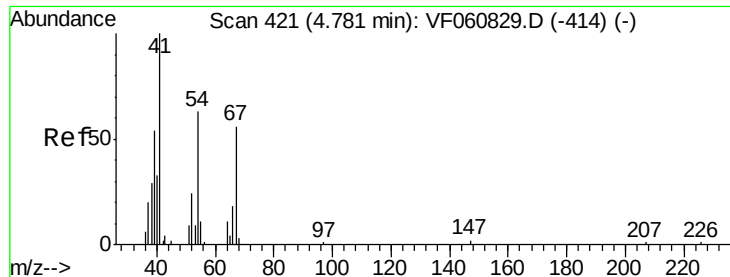
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->

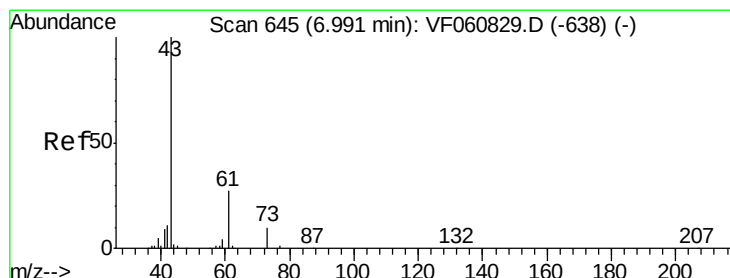
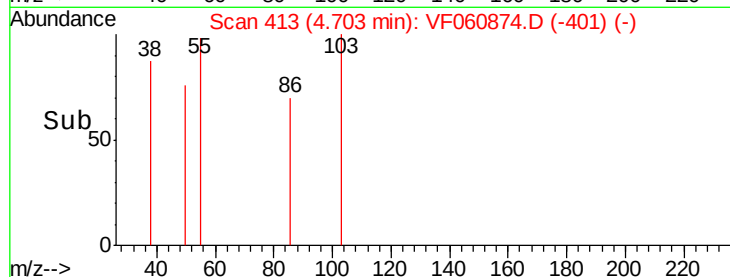
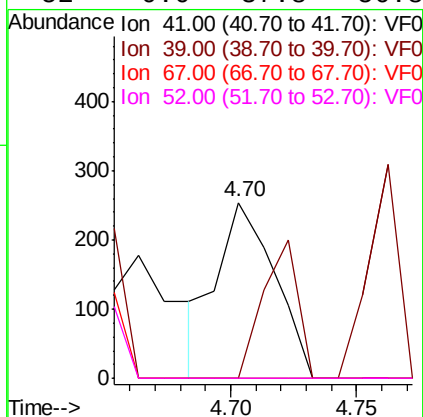
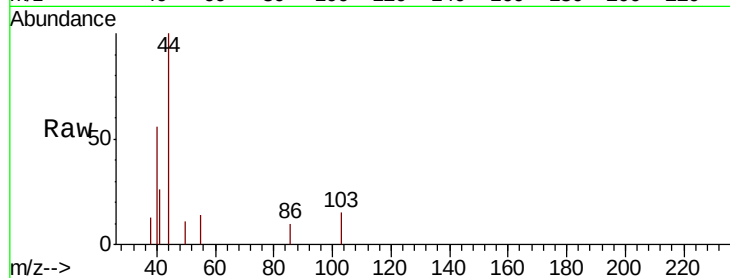




#41
Methacrylonitrile
Concen: 30.913 ug/l
RT: 4.70 min Scan# 413
Delta R.T. -0.08 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

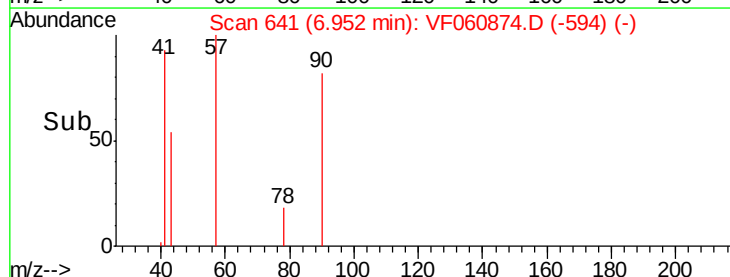
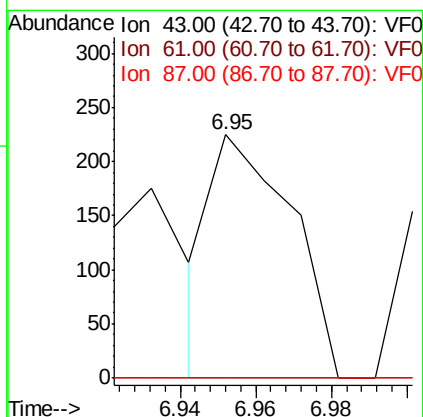
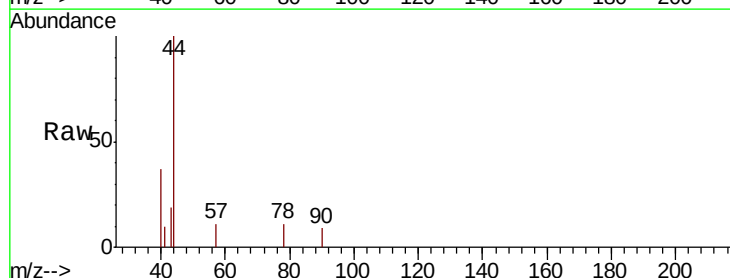
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-A

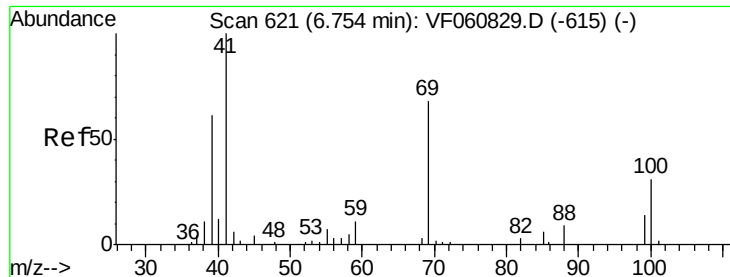
Tot Ion:	41	Resp:	399
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: 9.013 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.04 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

Tgt Ion:	43	Resp:	330
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.4	32.0#
87	0.0	0.2	0.4#

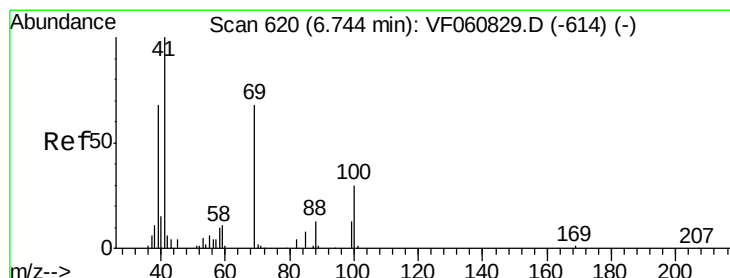
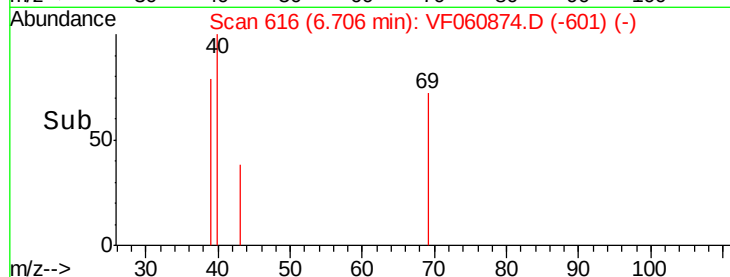
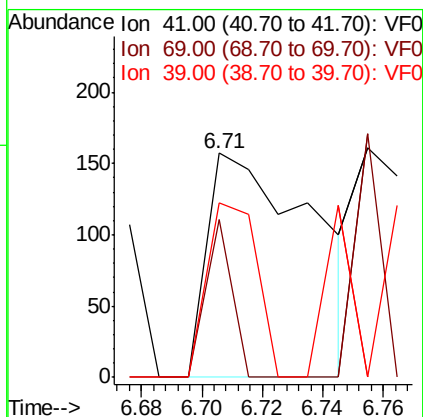
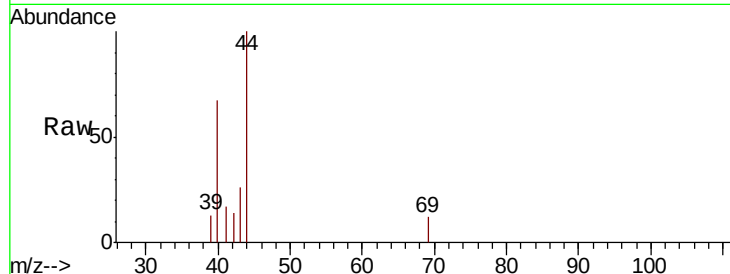




#48
Methyl methacrylate
Concen: 17.554 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.05 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

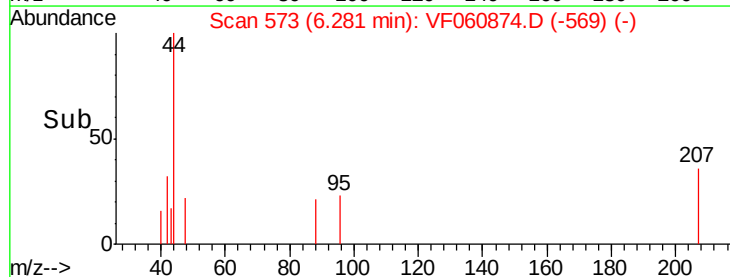
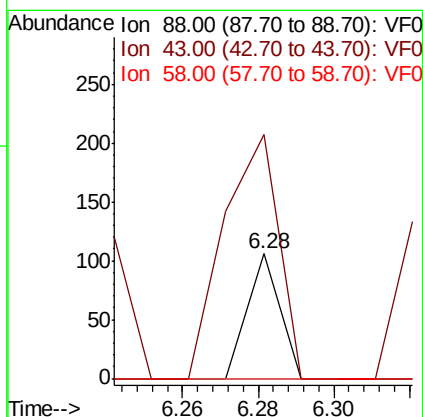
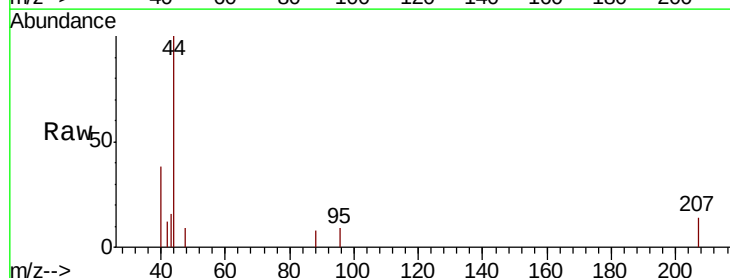
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-A

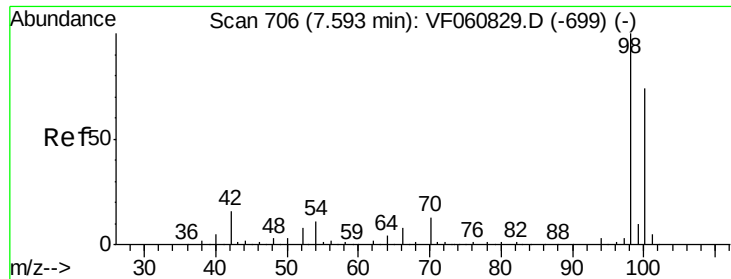
Tot Ion: 41 Resp: 378
Ion Ratio Lower Upper
41 100
69 70.7 53.9 80.9
39 77.7 49.0 73.6#



#49
1,4-Dioxane
Concen: 399.745 ug/l
RT: 6.28 min Scan# 573
Delta R.T. -0.46 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 195.3 42.0 63.0#
58 0.0 61.8 92.8#





#50

Toluene-d8

Concen: 42.994 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

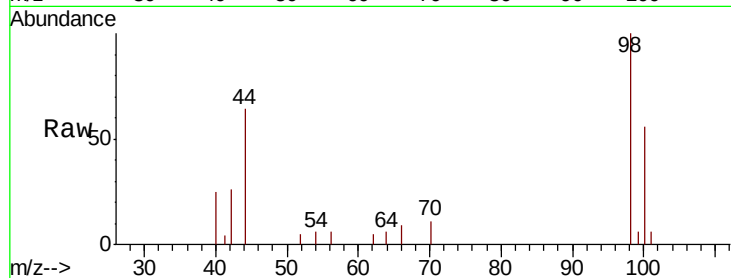
EO-02-112918-A

Tot Ion: 98 Resp: 5303

Ion Ratio Lower Upper

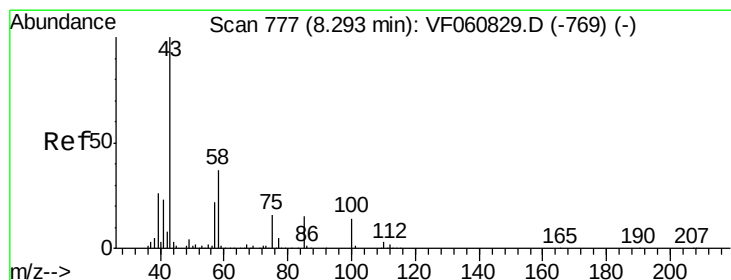
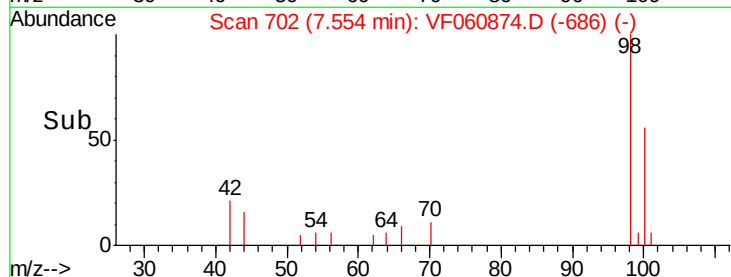
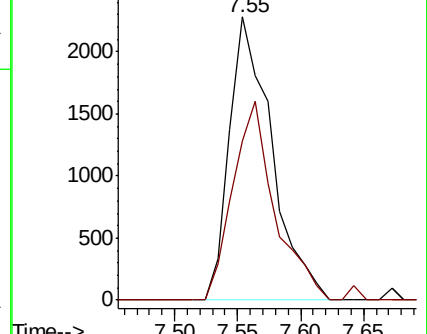
98 100

100 56.2 59.3 88.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#51

4-Methyl-2-Pentanone

Concen: 19.920 ug/l

RT: 8.20 min Scan# 767

Delta R.T. -0.10 min

Lab File: VF060874.D

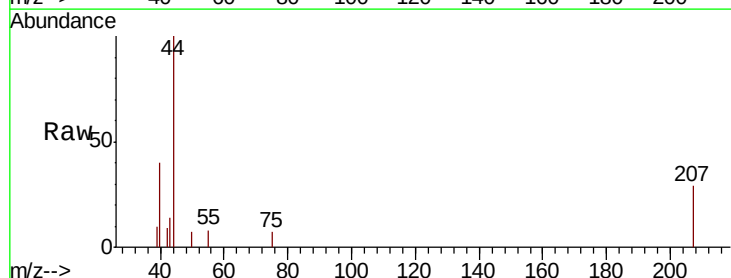
Acq: 29 Nov 2018 18:45

Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

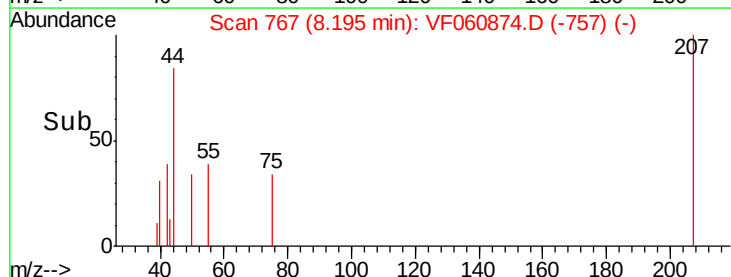
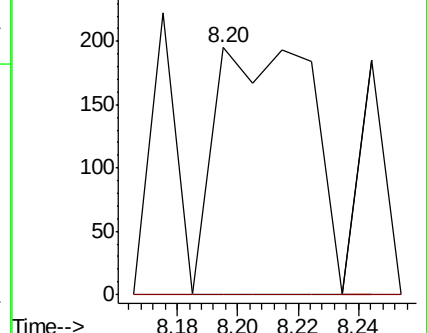
43 100

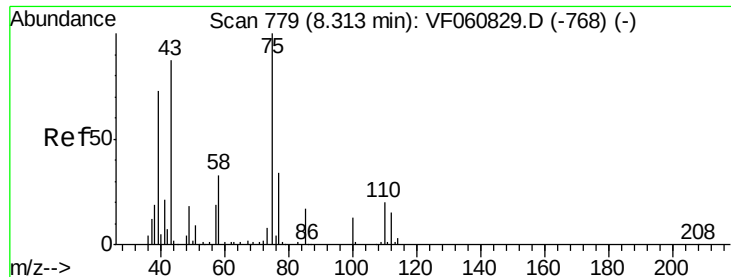
58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

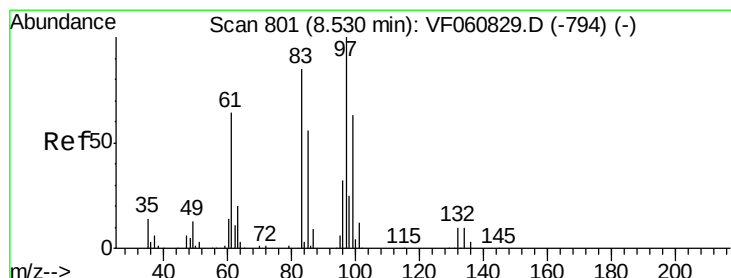
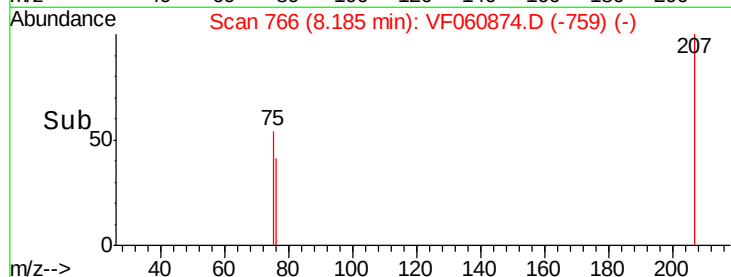
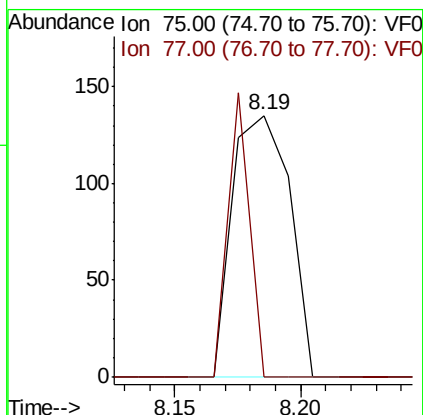
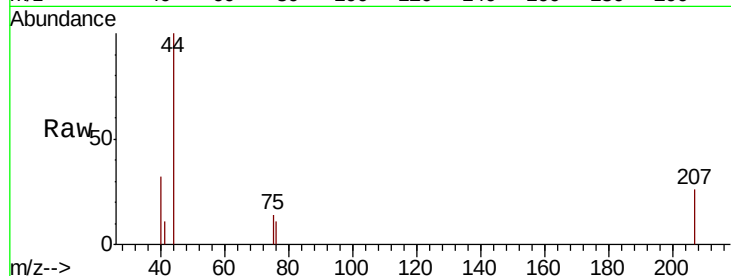




#53
t-1,3-Dichloropropene
Concen: 4.368 ug/l
RT: 8.19 min Scan# 766
Delta R.T. -0.13 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

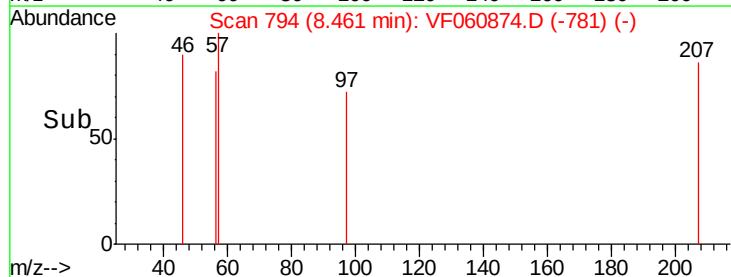
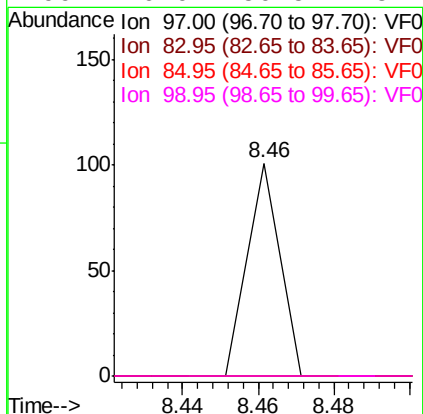
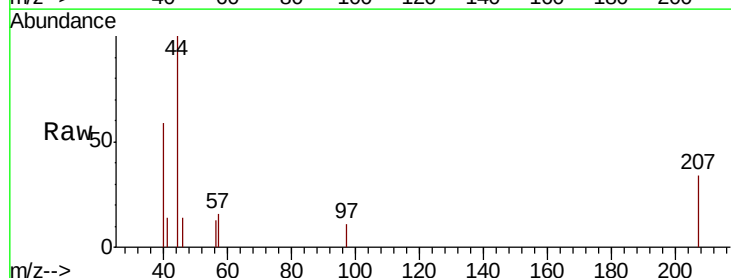
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-A

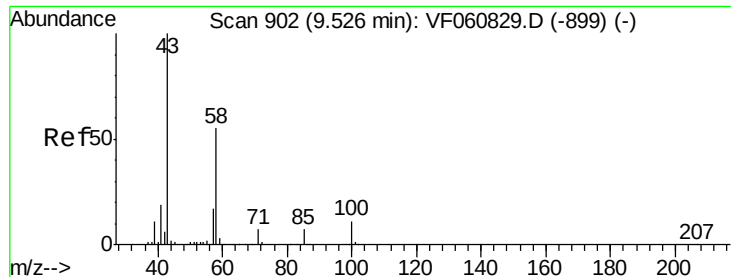
Tot Ion: 75 Resp: 215
Ion Ratio Lower Upper
75 100
77 0.0 27.4 41.2#



#55
1,1,2-Trichloroethane
Concen: 2.267 ug/l
RT: 8.46 min Scan# 794
Delta R.T. -0.07 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

Tgt Ion: 97 Resp: 60
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.6#
85 0.0 45.0 67.6#
99 0.0 50.5 75.7#

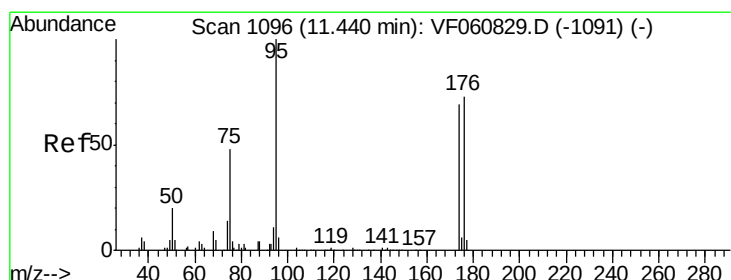
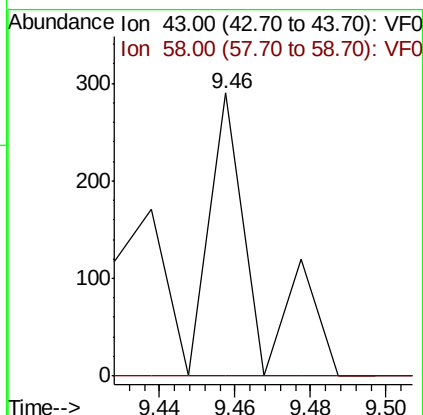
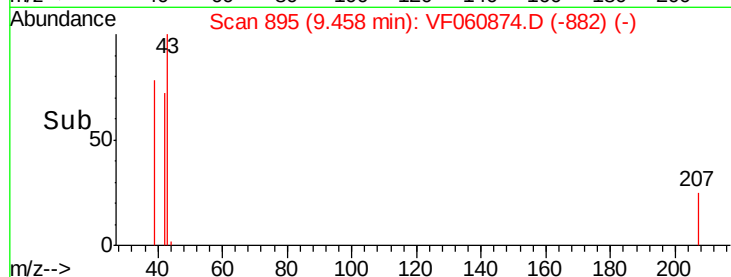
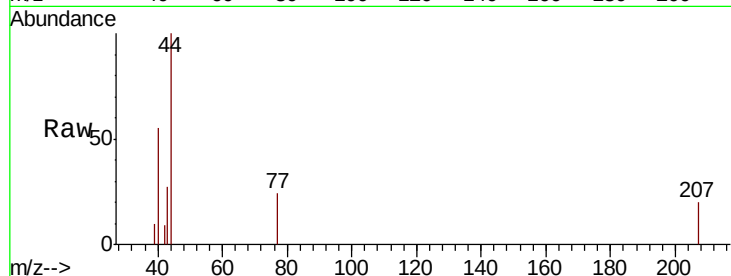




#59
2-Hexanone
Concen: 15.789 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.07 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

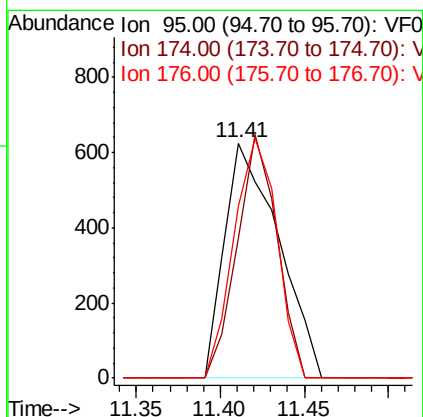
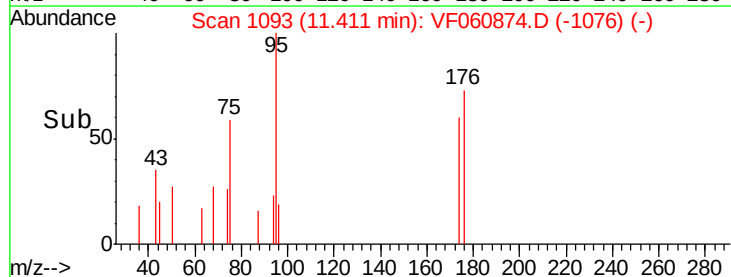
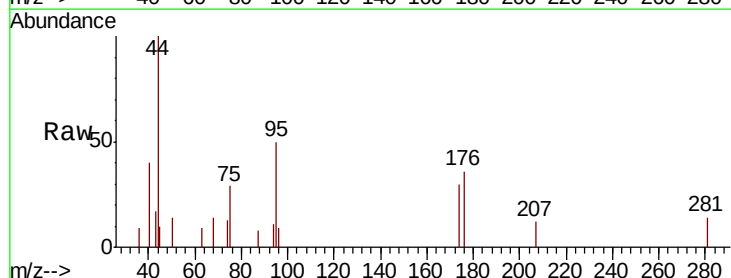
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-A

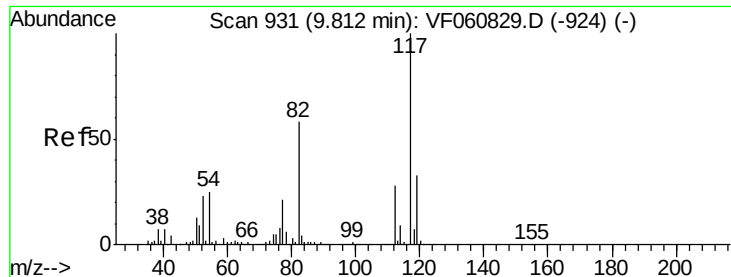
Tot Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 24.796 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

Tgt Ion: 95 Resp: 1390
Ion Ratio Lower Upper
95 100
174 59.6 0.0 138.2
176 73.3 0.0 146.2

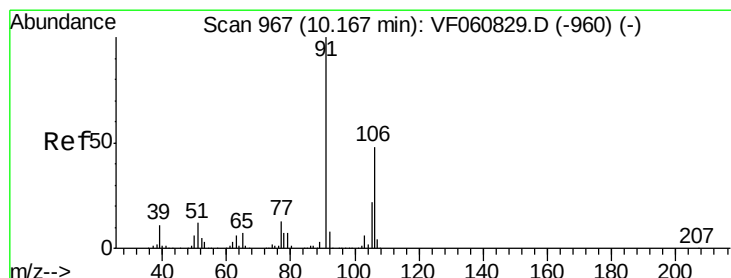
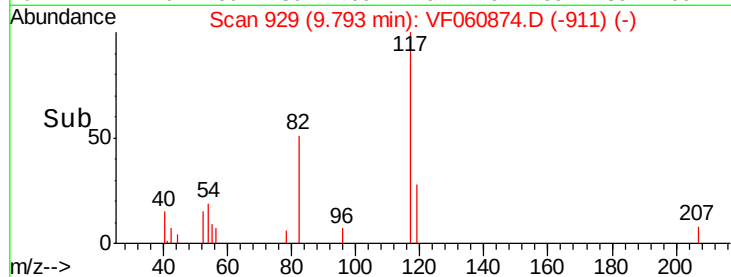
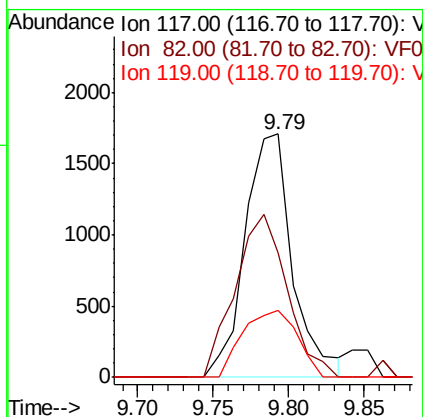
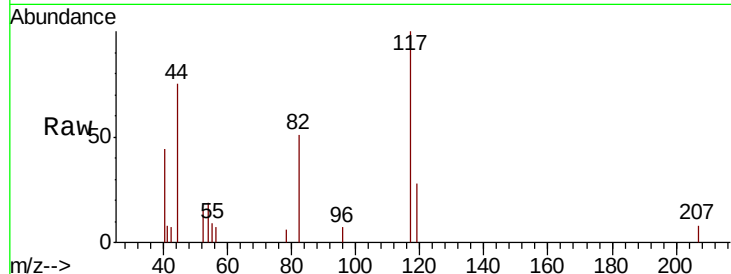




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

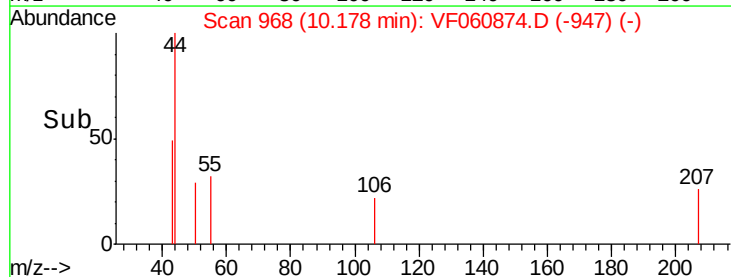
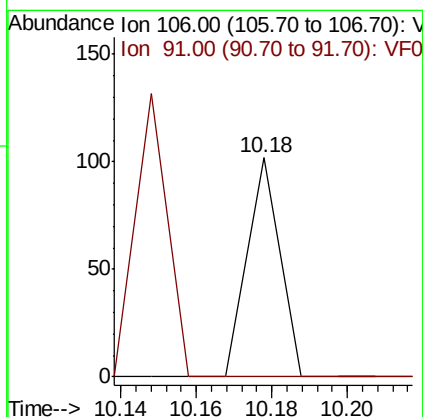
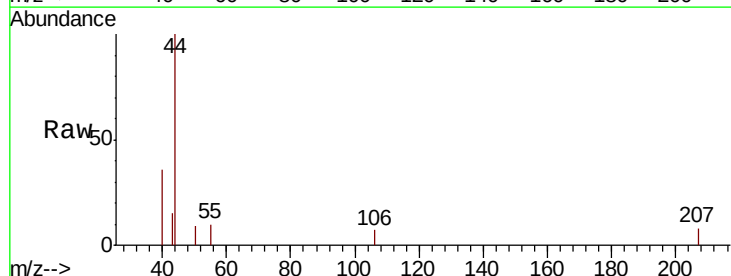
Instrument :
MSVOA_F
ClientSampleId :
EO-02-112918-A

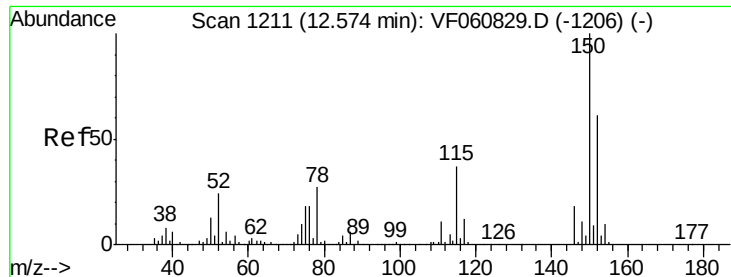
Tot Ion:117 Resp: 3750
Ion Ratio Lower Upper
117 100
82 51.0 46.6 69.8
119 27.5 26.4 39.6



#68
m/p-Xylenes
Concen: 1.228 ug/l
RT: 10.18 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF060874.D
Acq: 29 Nov 2018 18:45

Tgt Ion:106 Resp: 60
Ion Ratio Lower Upper
106 100
91 0.0 166.7 250.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

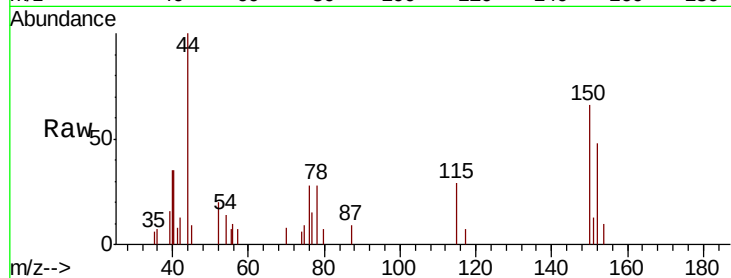
Tot Ion:152 Resp: 1263

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 137.4 0.0 327.6

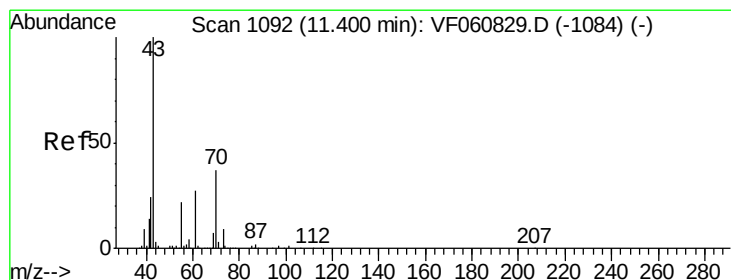
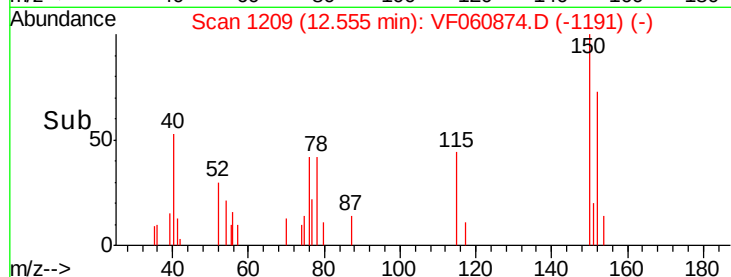
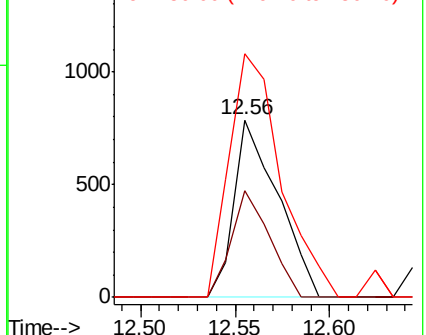


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-amil acetate

Concen: 12.322 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Tgt Ion: 43 Resp: 284

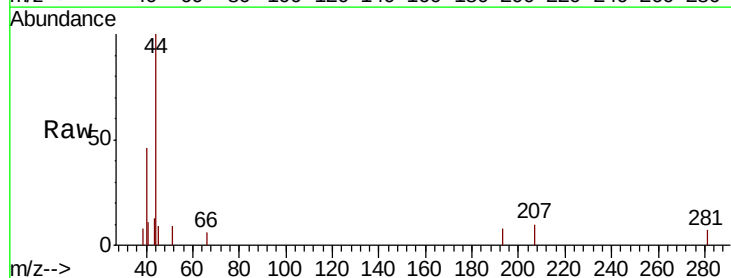
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.2 25.8#

61 0.0 21.8 32.6#



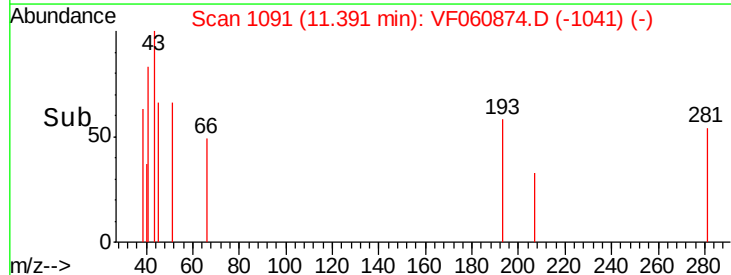
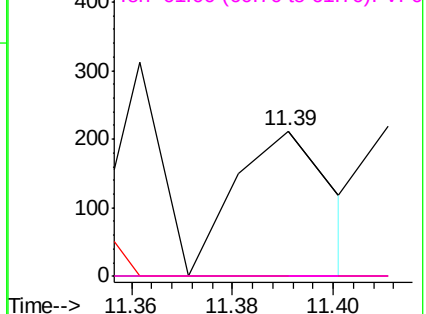
Abundance

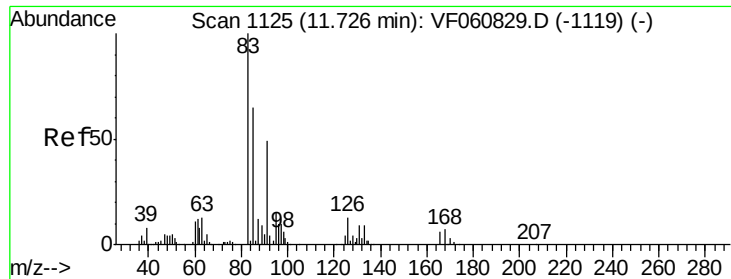
Ion 43.00 (42.70 to 43.70): VF0

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: 4.383 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.07 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A

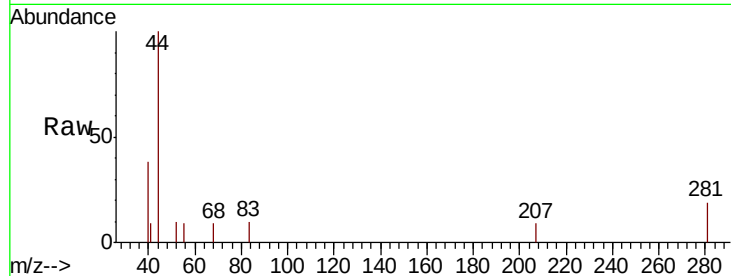
Tot Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

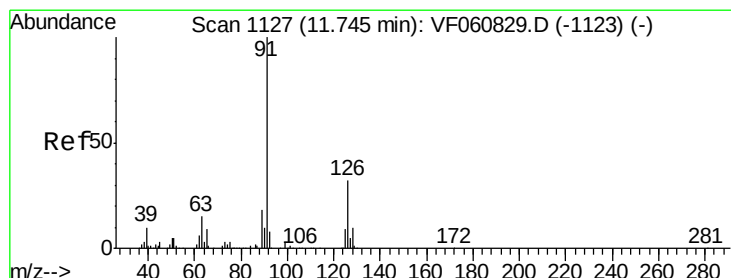
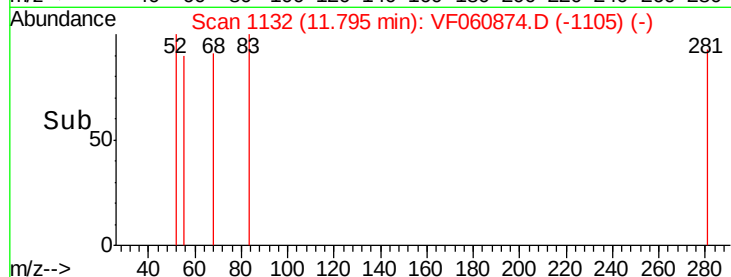
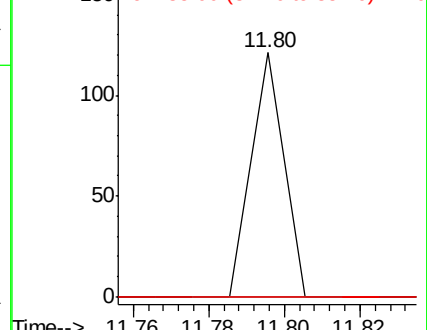
85 0.0 32.6 97.8#



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



#79

2-Chlorotoluene

Concen: 1.089 ug/l

RT: 11.77 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VF060874.D

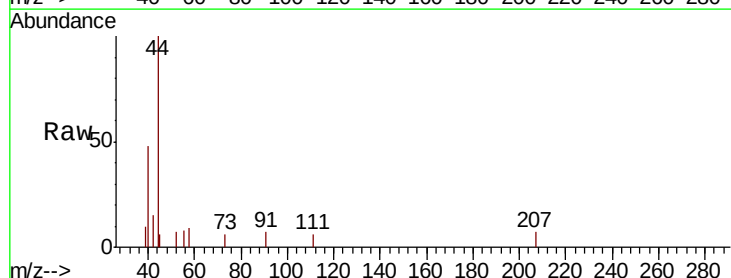
Acq: 29 Nov 2018 18:45

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

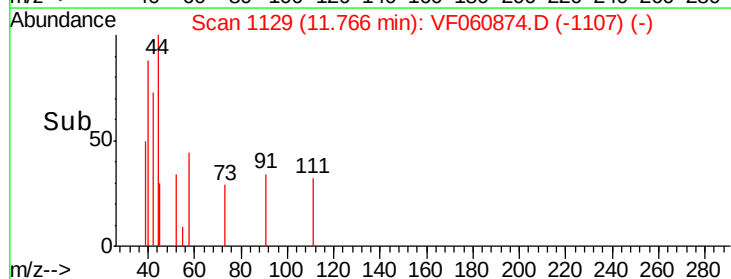
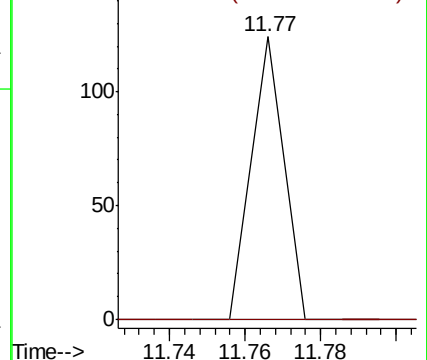
91 100

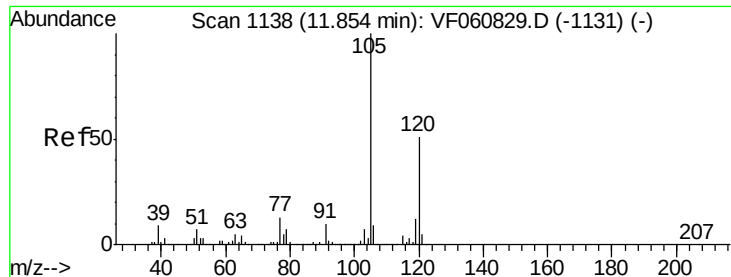
126 0.0 15.9 47.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.185 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.11 min

Lab File: VF060874.D

Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

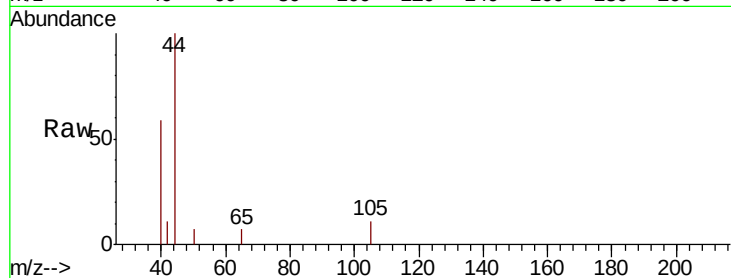
EO-02-112918-A

Tot Ion:105 Resp: 96

Ion Ratio Lower Upper

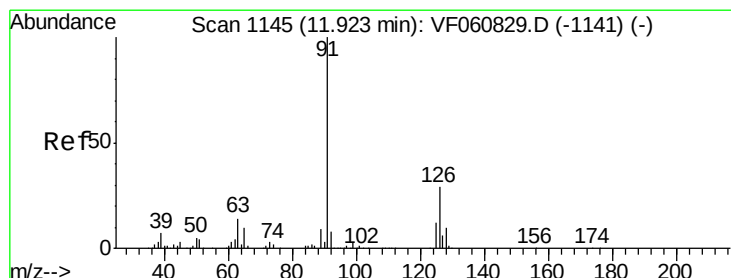
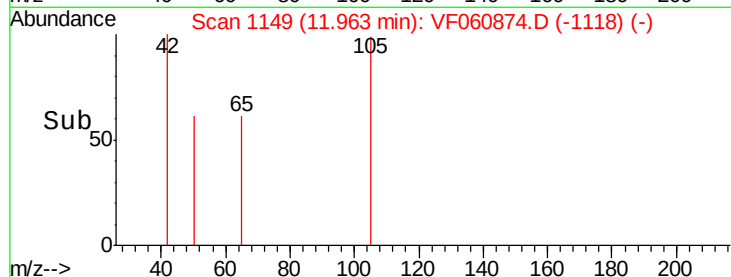
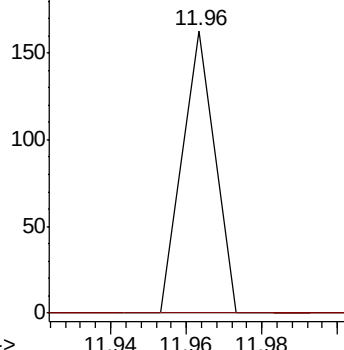
105 100

120 0.0 25.8 77.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.248 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.04 min

Lab File: VF060874.D

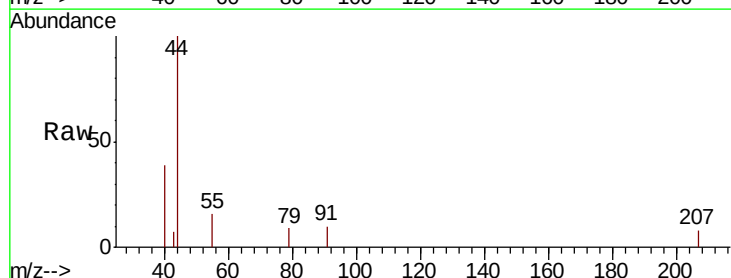
Acq: 29 Nov 2018 18:45

Tgt Ion: 91 Resp: 88

Ion Ratio Lower Upper

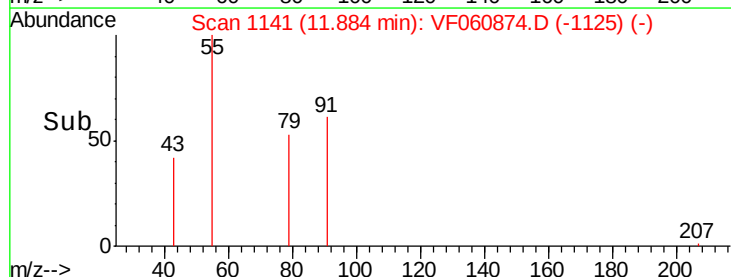
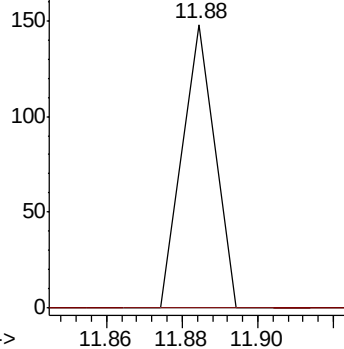
91 100

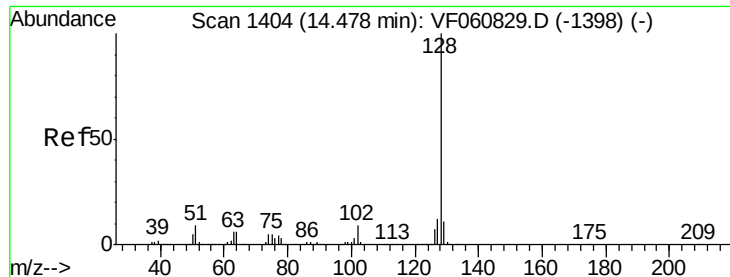
126 0.0 14.8 44.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#95

Naphthalene

Concen: 5.169 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF060874.D

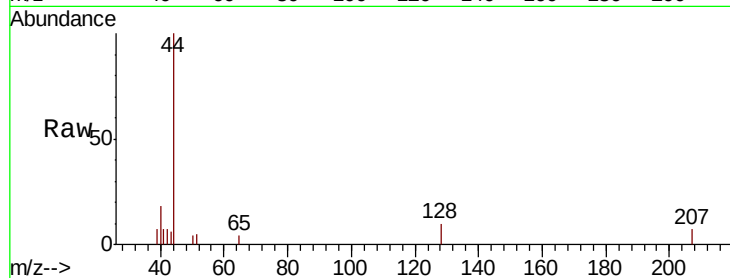
Acq: 29 Nov 2018 18:45

Instrument :

MSVOA_F

ClientSampleId :

EO-02-112918-A



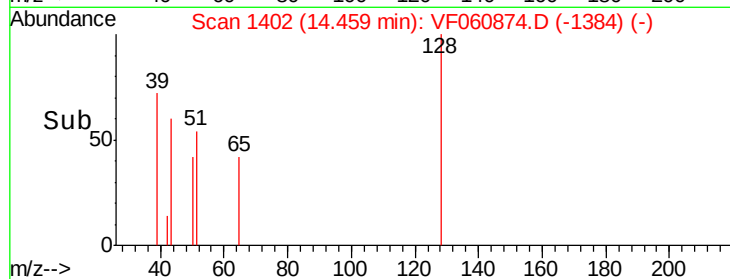
Tot Ion:128 Resp: 444

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 9.1 13.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

