

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061212.D
 Acq On : 27 Dec 2018 17:09
 Operator : VA/AP
 Sample : J6447-11RE
 Misc : 5.79g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1824-01RE

Quant Time: Dec 27 23:49:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	343	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	362	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	80	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	61	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount						
						Recovery = 0.00%
35) Dibromofluoromethane	4.08	113	70	24.14	ug/l	-0.03
Spiked Amount						Recovery = 48.28%
50) Toluene-d8	7.55	98	485	59.02	ug/l	-0.01
Spiked Amount						Recovery = 118.04%
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount						Recovery = 0.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.06	50	266	60.904	ug/l #	42
4) Vinyl Chloride	1.13	62	71	17.524	ug/l #	37
5) Bromomethane	1.35	94	276	98.214	ug/l #	3
6) Chloroethane	1.39	64	63	33.746	ug/l #	1
8) Diethyl Ether	1.49	74	79	74.574	ug/l	46
9) 1,1,2-Trichlorotrifluoroet	1.92	101	67	16.704	ug/l #	21
11) Tert butyl alcohol	2.51	59	67	376.352	ug/l #	1
12) 1,1-Dichloroethene	1.74	96	187	61.848	ug/l #	1
13) Acrolein	2.10	56	286	2223.262	ug/l	96
14) Allyl chloride	2.08	41	381	121.088	ug/l #	77
15) Acrylonitrile	2.92	53	240	583.001	ug/l #	69
16) Acetone	2.21	43	1270	1440.038	ug/l #	66
17) Carbon Disulfide	1.81	76	62	6.785	ug/l #	68
18) Methyl Acetate	2.27	43	784	429.679	ug/l	93
19) Methyl tert-butyl Ether	2.41	73	86	12.814	ug/l #	59
20) Methylene Chloride	2.24	84	70	22.355	ug/l #	34
21) trans-1,2-Dichloroethene	2.30	96	225	69.577	ug/l #	1
22) Diisopropyl ether	2.75	45	1092	104.189	ug/l #	42
23) Vinyl Acetate	3.12	43	333	68.871	ug/l #	78
24) 1,1-Dichloroethane	2.87	63	62	9.984	ug/l #	88
25) 2-Butanone	4.33	43	100	69.915	ug/l #	57
26) 2,2-Dichloropropane	3.52	77	71	19.923	ug/l #	62
27) cis-1,2-Dichloroethene	3.29	96	60	12.119	ug/l	1
28) Bromochloromethane	3.59	49	79	25.072	ug/l #	10
29) Tetrahydrofuran	4.03	42	66	113.373	ug/l #	37
30) Chloroform	3.90	83	72	7.732	ug/l #	16
31) Cyclohexane	3.69	56	67	10.397	ug/l #	15
37) Ethyl Acetate	4.12	43	429	Below Cal	#	21
39) Methylcyclohexane	5.57	83	78	19.897	ug/l #	14
41) Methacrylonitrile	4.72	41	72	78.022	ug/l #	36
42) 1,2-Dichloroethane	4.96	62	70	19.610	ug/l	77
43) Isopropyl Acetate	6.95	43	278	131.762	ug/l #	45
46) Dibromomethane	6.14	93	63	37.994	ug/l #	5
48) Methyl methacrylate	6.70	41	157	106.592	ug/l #	19

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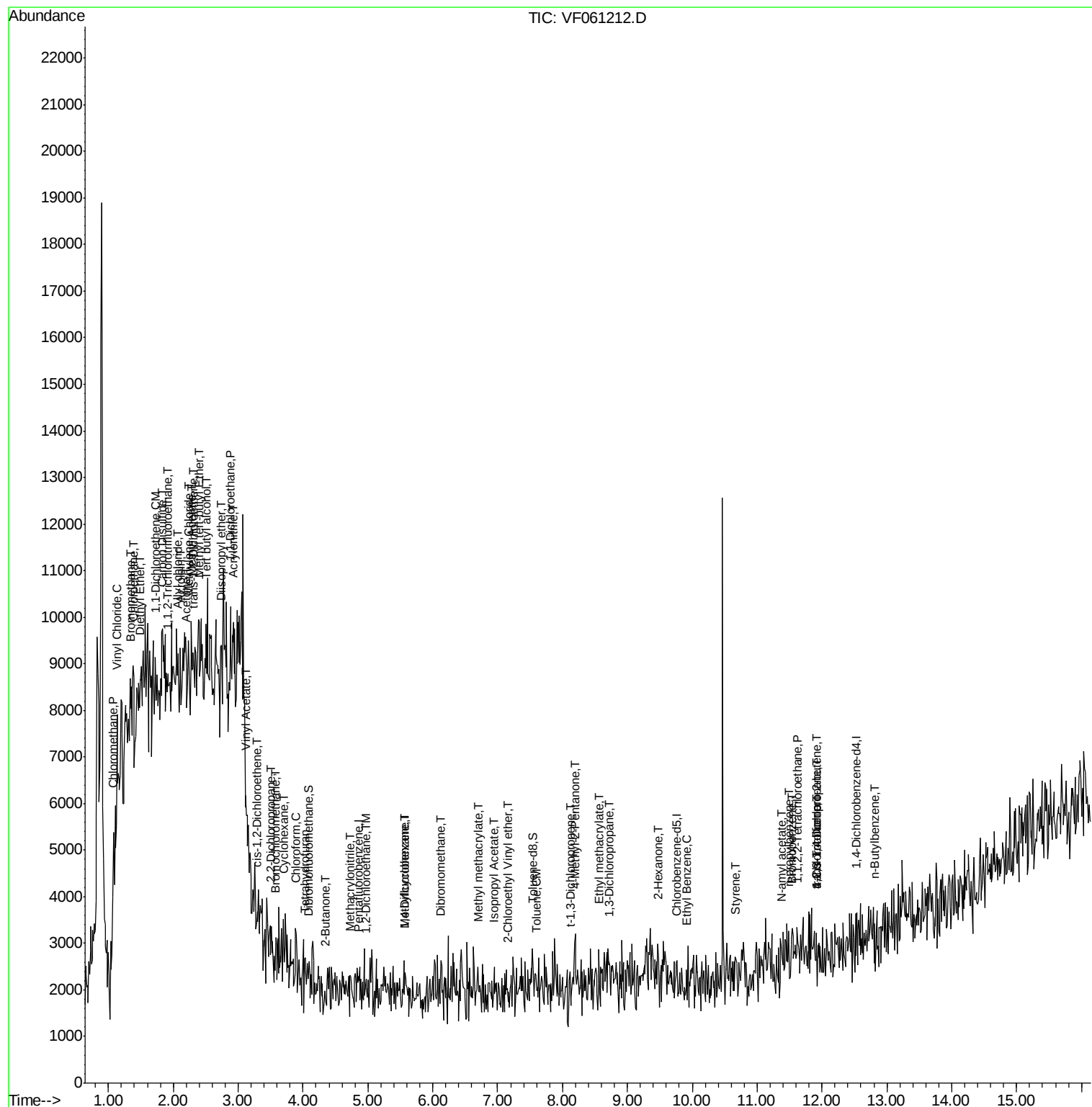
51) 4-Methyl-2-Pentanone	8.21	43	88	60.816	ug/l #	38
52) Toluene	7.61	92	83	13.344	ug/l #	1
53) t-1,3-Dichloropropene	8.11	75	67	19.277	ug/l #	42
56) Ethyl methacrylate	8.56	69	62	30.727	ug/l #	34
57) 1,3-Dichloropropane	8.72	76	67	19.866	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.15	63	64	165.149	ug/l #	50
59) 2-Hexanone	9.47	43	128	122.321	ug/l #	27
67) Ethyl Benzene	9.90	91	76	25.242	ug/l #	47
70) Styrene	10.68	104	77	54.179	ug/l #	30
74) N-amyl acetate	11.38	43	77	65.977	ug/l #	7
75) 1,1,2,2-Tetrachloroethane	11.63	83	75	85.966	ug/l #	23
76) 1,2,3-Trichloropropane	11.92	75	71	109.354	ug/l #	39
77) Bromobenzene	11.55	156	62	54.790	ug/l #	1
78) n-propylbenzene	11.48	91	60	8.347	ug/l #	55
81) trans-1,4-Dichloro-2-buten	11.92	75	71	254.484	ug/l #	11
82) 4-Chlorotoluene	11.91	91	72	19.301	ug/l #	43
89) n-Butylbenzene	12.82	91	79	14.030	ug/l #	26

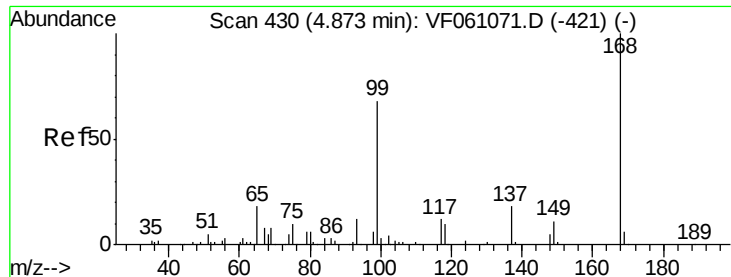
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

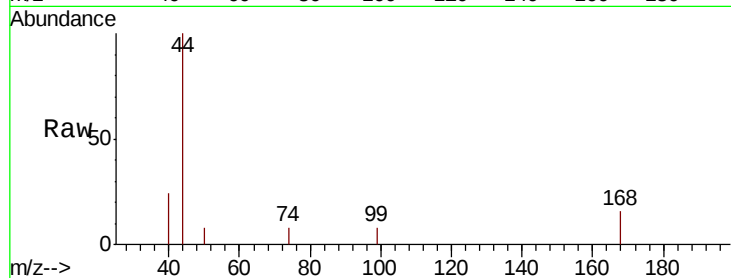
P001-SS025-1824-01RE

Tot Ion:168 Resp: 343

Ion Ratio Lower Upper

168 100

99 50.9 54.4 81.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

250

200

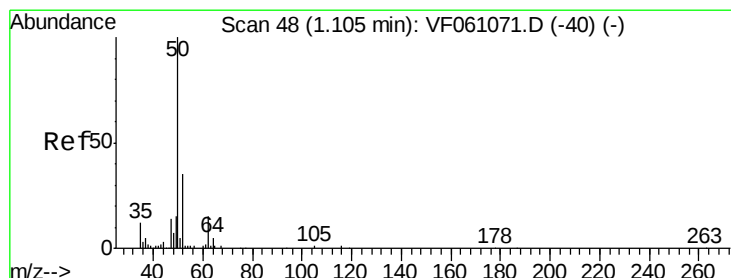
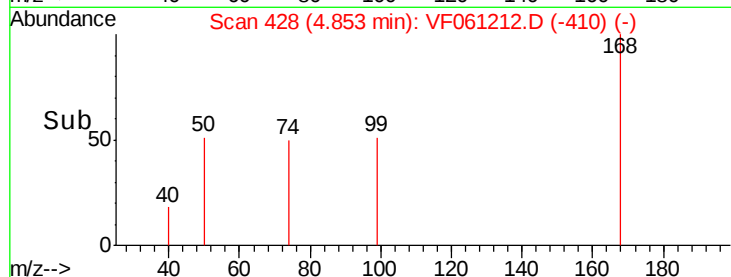
150

100

50

0

Time--> 4.80 4.85 4.90



#3

Chloromethane

Concen: 60.904 ug/l

RT: 1.06 min Scan# 44

Delta R.T. -0.04 min

Lab File: VF061212.D

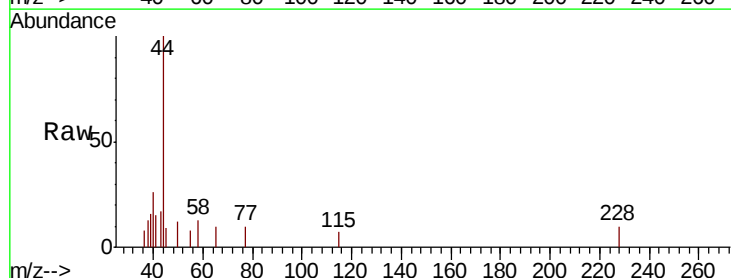
Acq: 27 Dec 2018 17:09

Tgt Ion: 50 Resp: 266

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.06

200

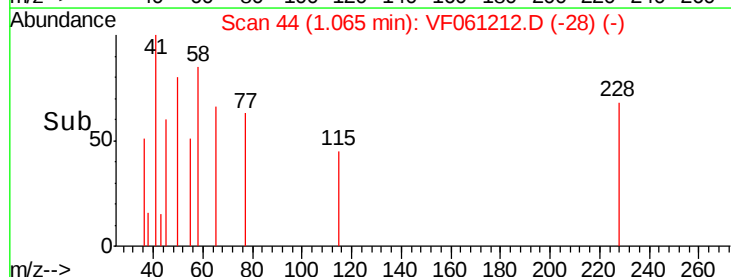
150

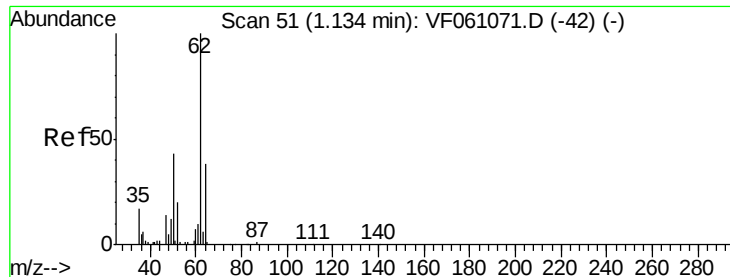
100

50

0

Time--> 1.05 1.10





#4

Vinyl Chloride

Concen: 17.524 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

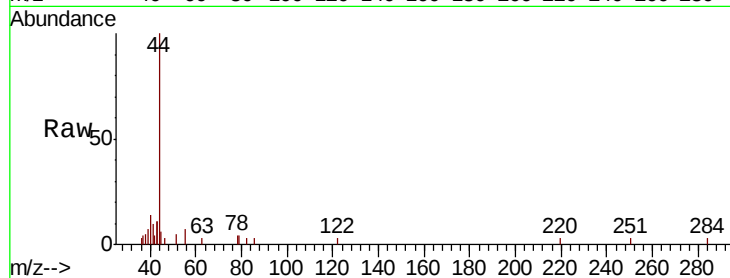
P001-SS025-1824-01RE

Tot Ion: 62 Resp: 71

Ion Ratio Lower Upper

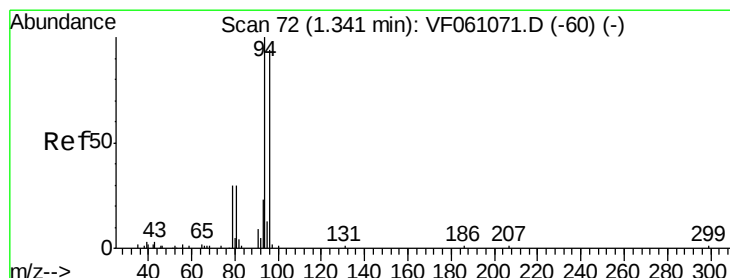
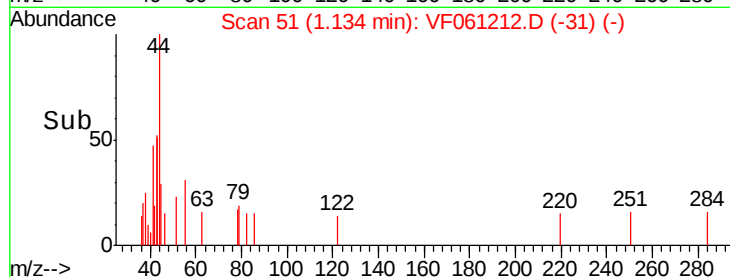
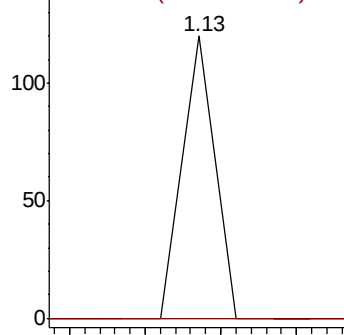
62 100

64 0.0 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 98.214 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061212.D

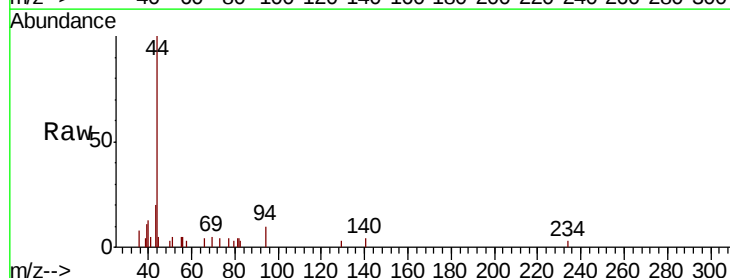
Acq: 27 Dec 2018 17:09

Tgt Ion: 94 Resp: 276

Ion Ratio Lower Upper

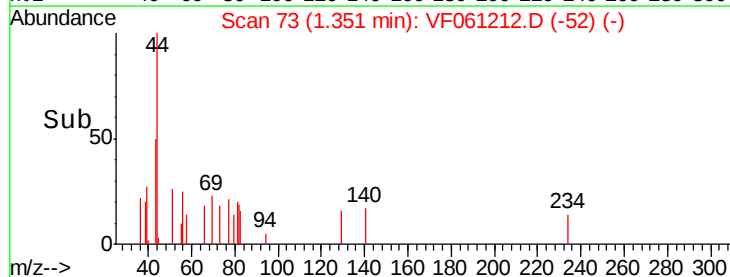
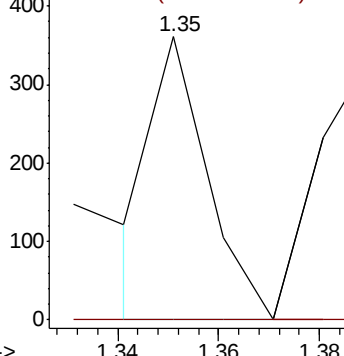
94 100

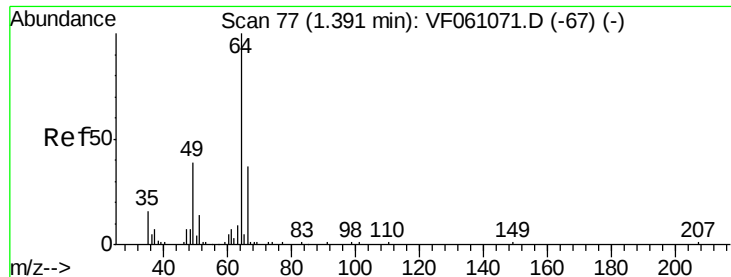
96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 33.746 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

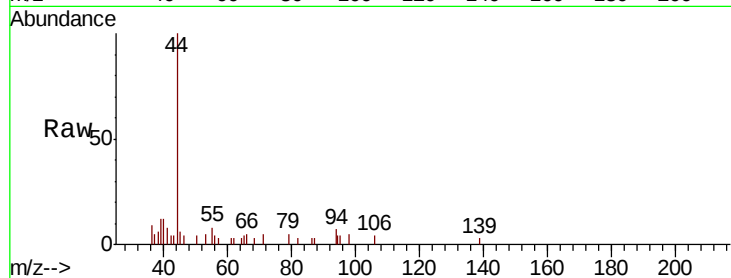
P001-SS025-1824-01RE

Tot Ion: 64 Resp: 63

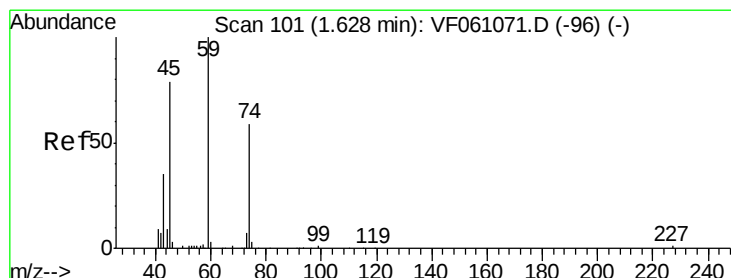
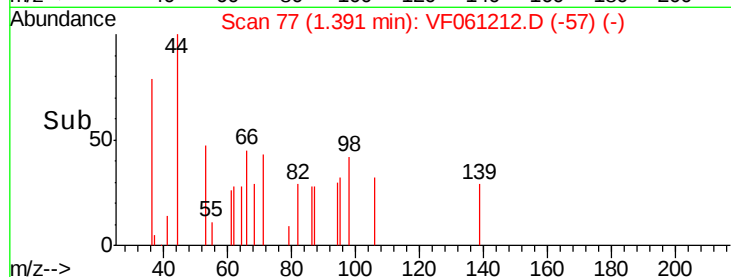
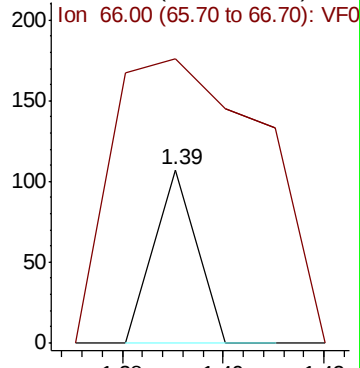
Ion Ratio Lower Upper

64 100

66 164.5 30.9 46.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0



#8

Diethyl Ether

Concen: 74.574 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.14 min

Lab File: VF061212.D

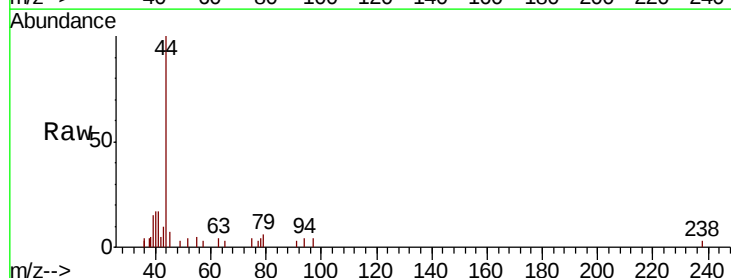
Acq: 27 Dec 2018 17:09

Tgt Ion: 74 Resp: 79

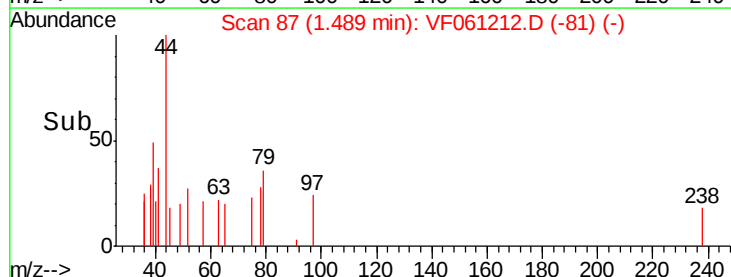
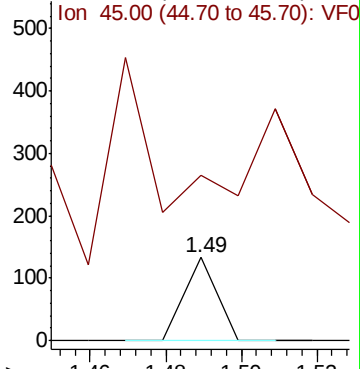
Ion Ratio Lower Upper

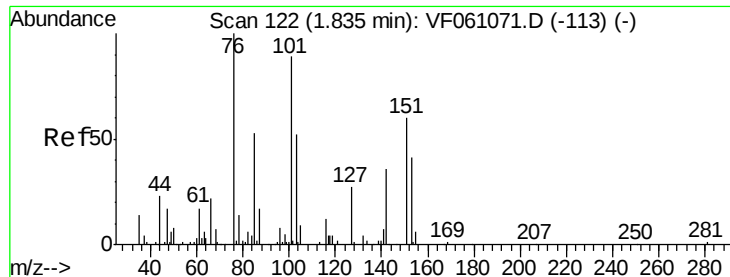
74 100

45 200.0 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.704 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.09 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

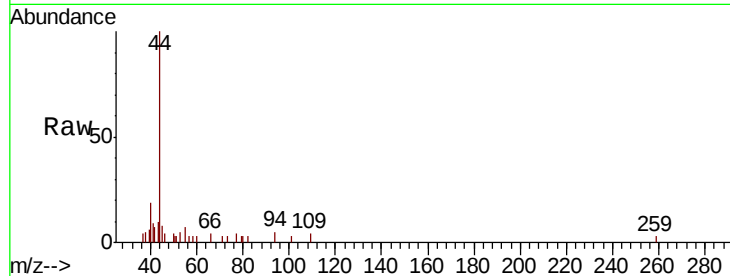
Instrument :

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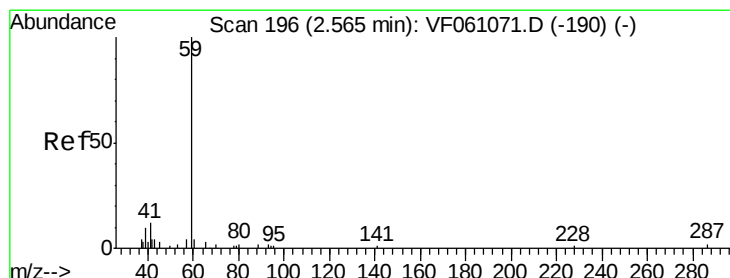
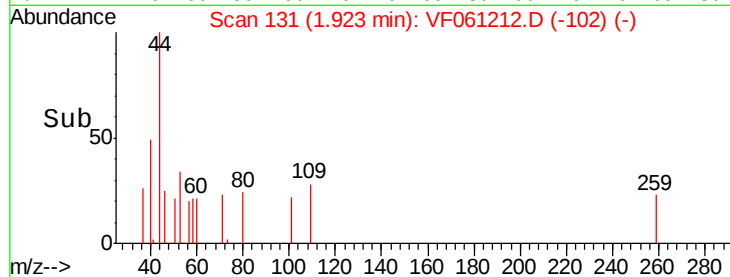
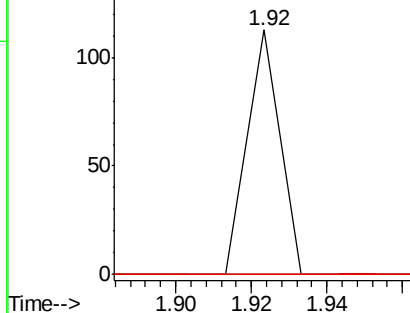
Tot Ion	Ratio	Lower	Upper
101	100		
85	0.0	44.5	66.7#
151	0.0	49.9	74.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#11

Tert butyl alcohol

Concen: 376.352 ug/l

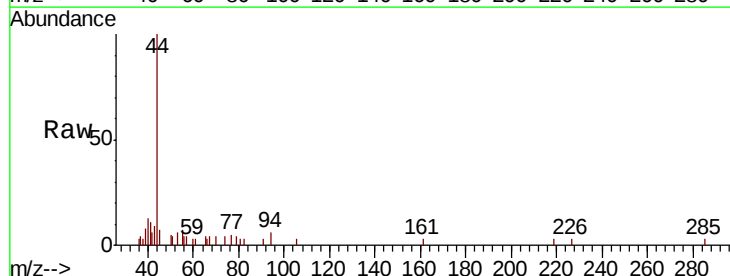
RT: 2.51 min Scan# 190

Delta R.T. -0.06 min

Lab File: VF061212.D

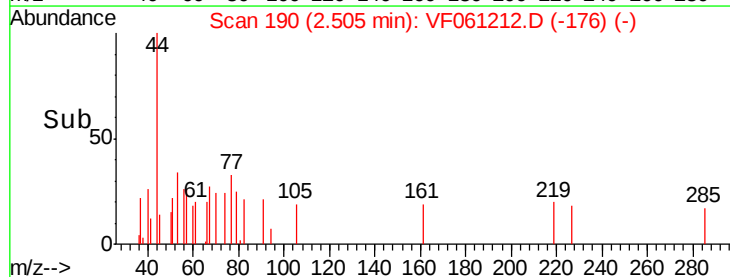
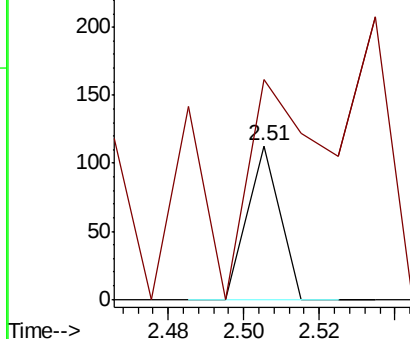
Acq: 27 Dec 2018 17:09

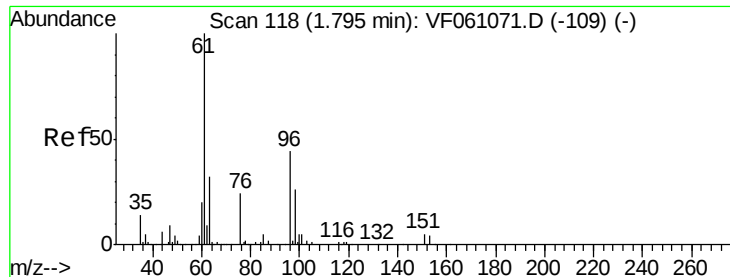
Tgt Ion	Ratio	Lower	Upper
59	100		
57	143.4	11.5	17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 61.848 ug/l

RT: 1.74 min Scan# 112

Delta R.T. -0.06 min

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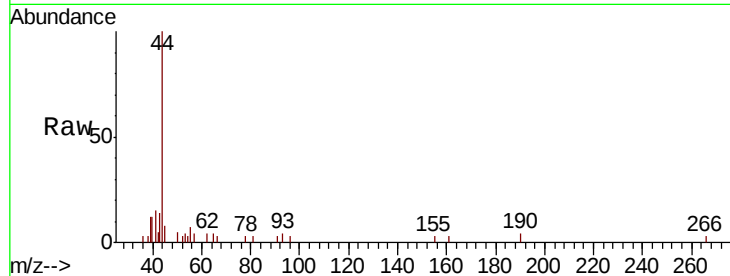
Tot Ion: 96 Resp: 187

Ion Ratio Lower Upper

96 100

61 0.0 182.0 273.0#

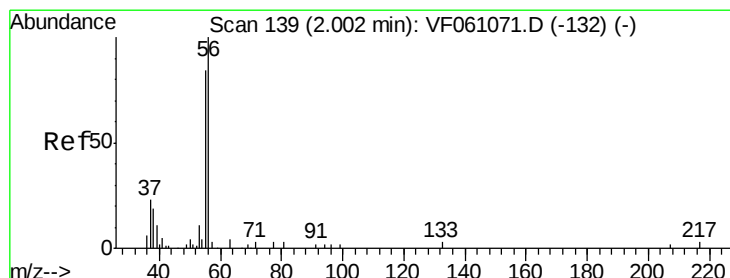
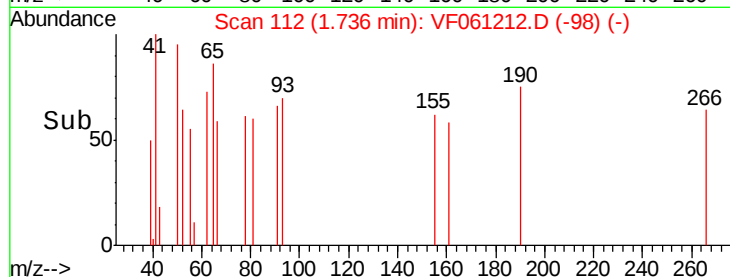
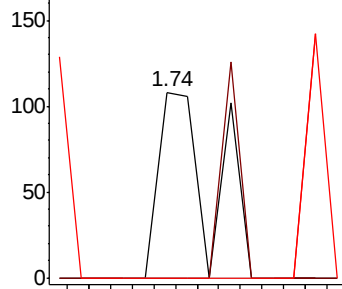
98 0.0 46.5 69.7#



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: 2223.262 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.10 min

Lab File: VF061212.D

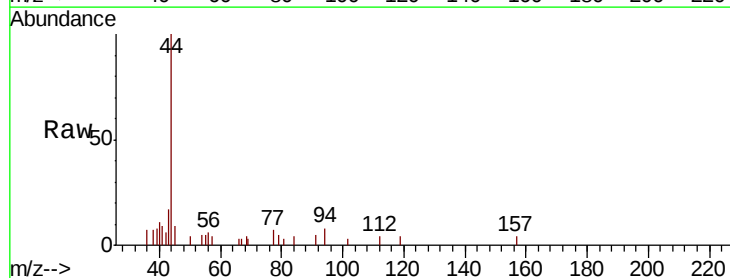
Acq: 27 Dec 2018 17:09

Tgt Ion: 56 Resp: 286

Ion Ratio Lower Upper

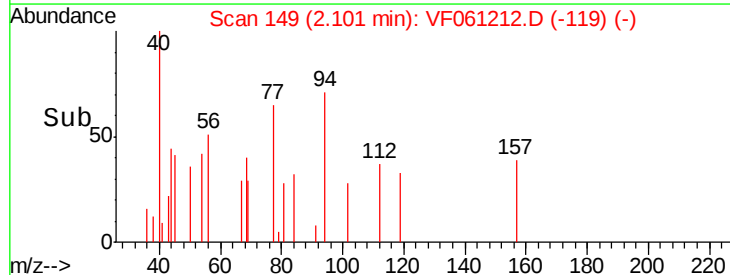
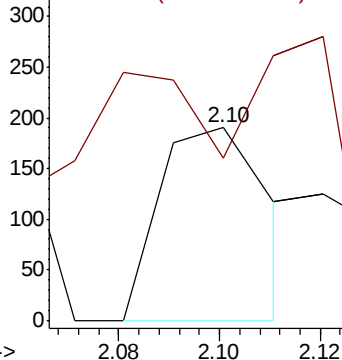
56 100

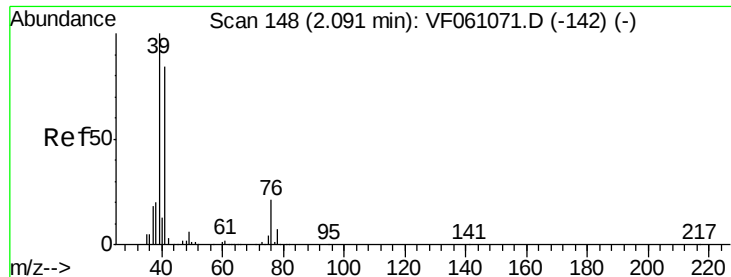
55 84.2 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 121.088 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

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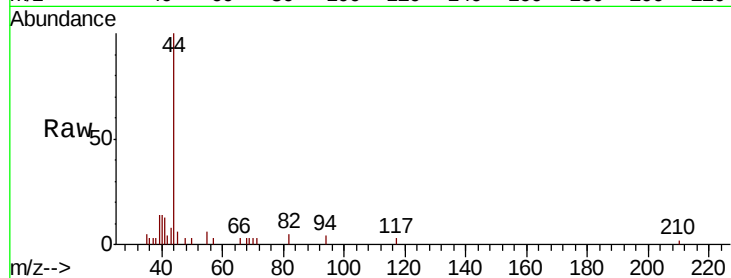
Tot Ion: 41 Resp: 381

Ion Ratio Lower Upper

41 100

39 105.0 96.4 144.6

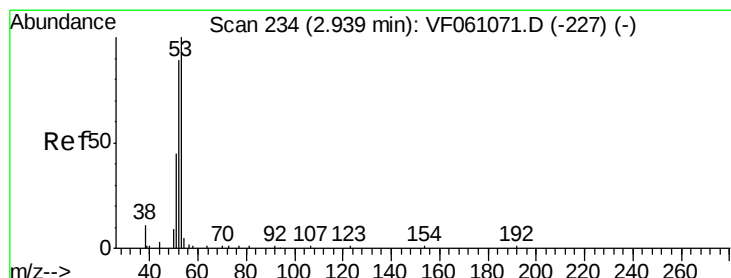
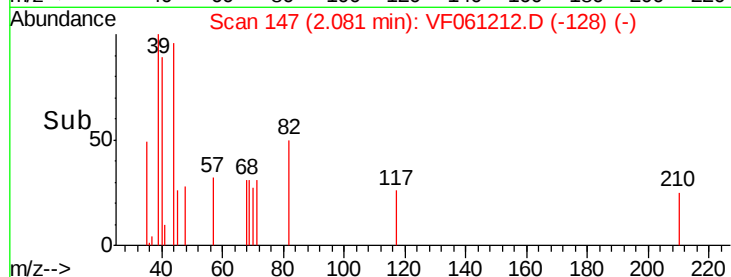
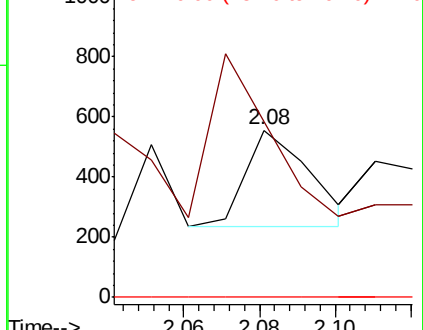
76 0.0 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 583.001 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

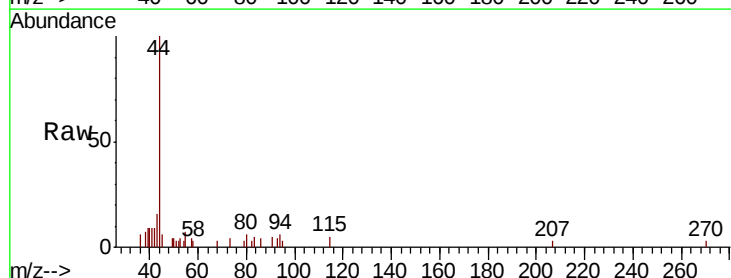
Tgt Ion: 53 Resp: 240

Ion Ratio Lower Upper

53 100

52 70.7 71.3 106.9#

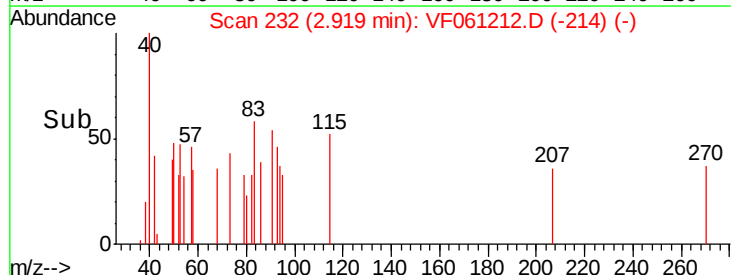
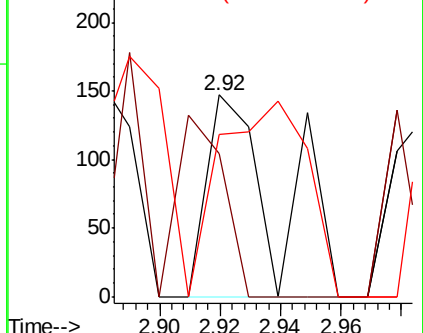
51 80.3 36.8 55.2#

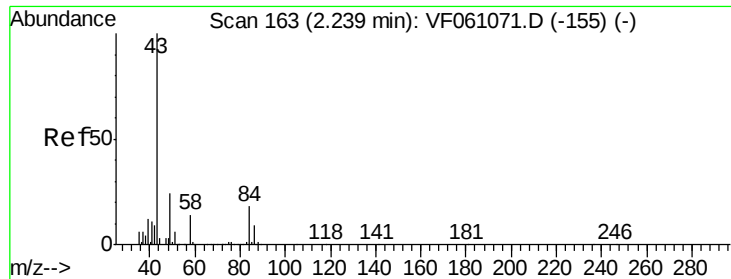


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

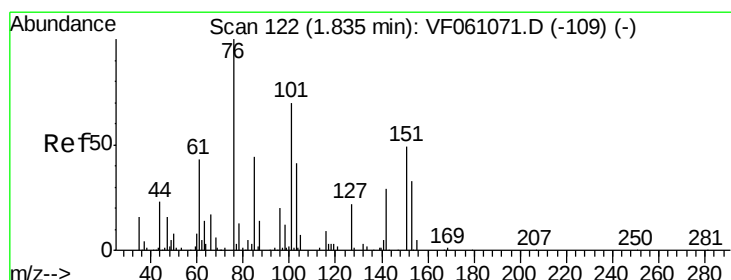
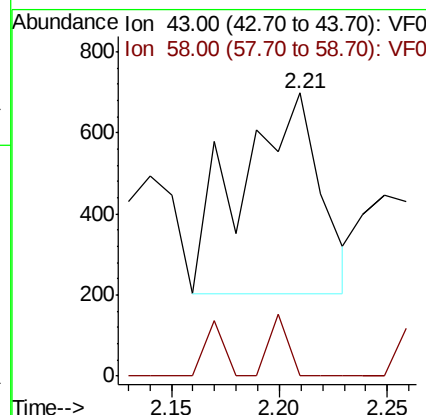
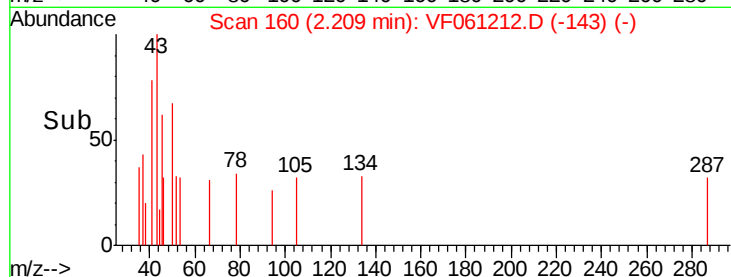
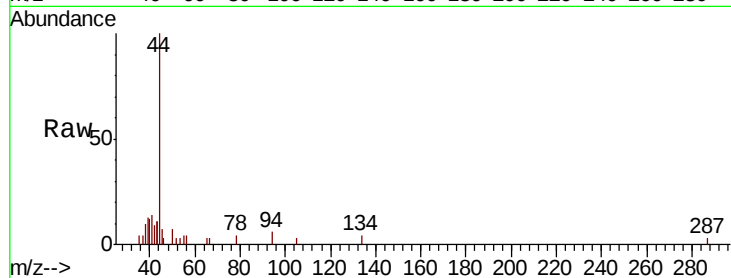




#16
Acetone
Concen: 1440.038 ug/l
RT: 2.21 min Scan# 160
Delta R.T. -0.03 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

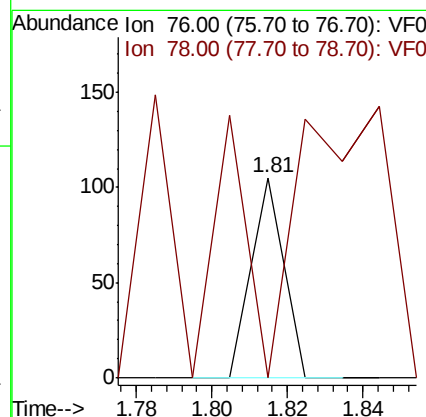
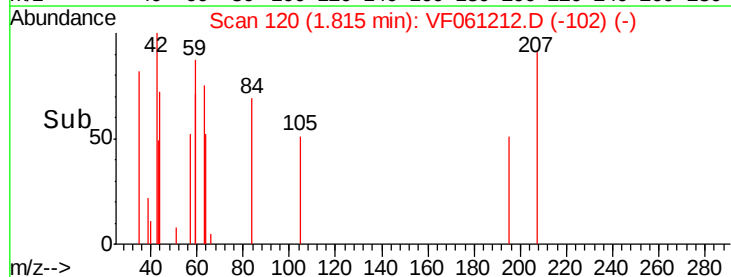
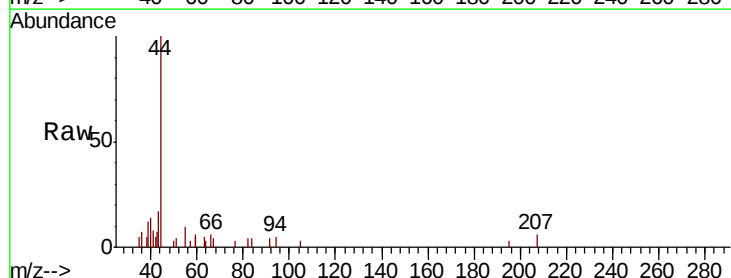
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01RE

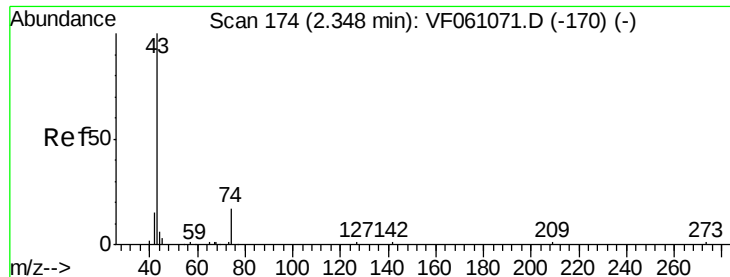
Tot Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
58 0.0 11.1 16.7#



#17
Carbon Disulfide
Concen: 6.785 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

Tgt Ion: 76 Resp: 62
Ion Ratio Lower Upper
76 100
78 0.0 10.2 15.4#

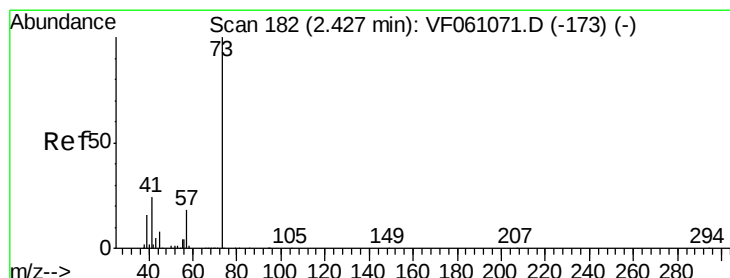
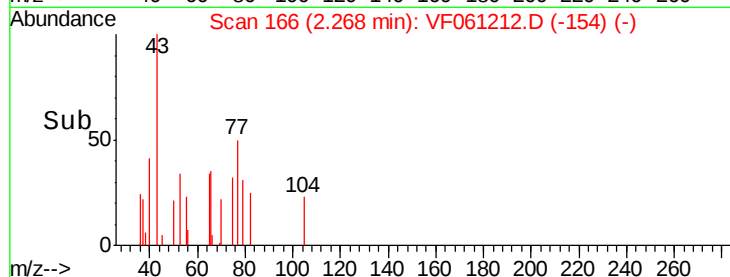
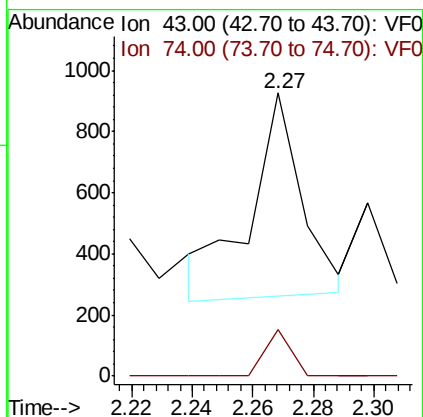
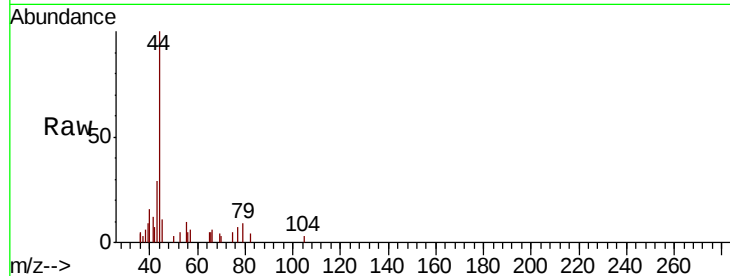




#18
Methyl Acetate
Concen: 429.679 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.08 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

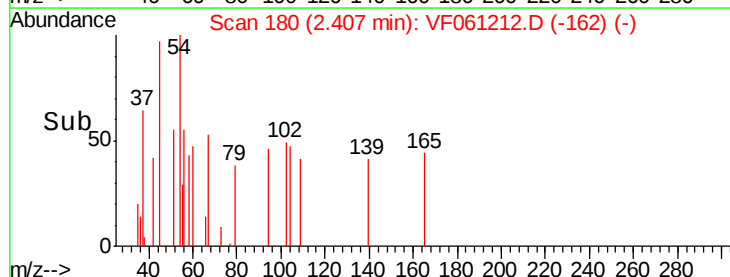
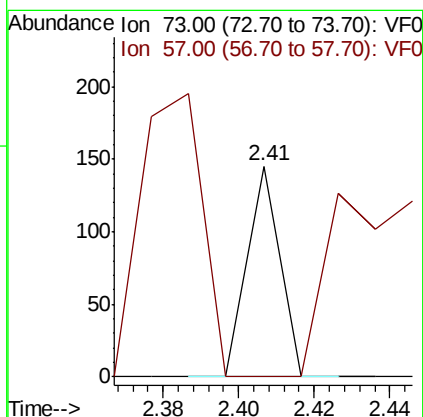
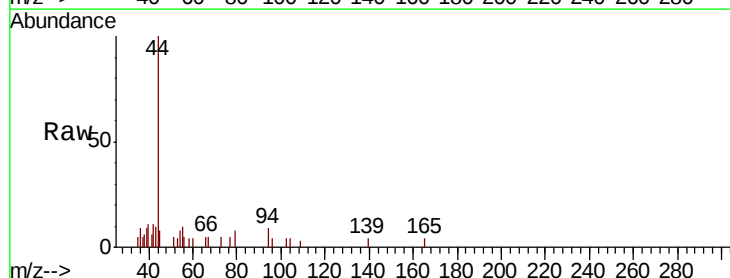
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01RE

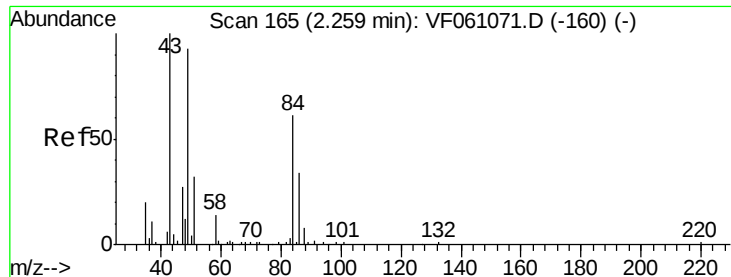
Tot Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
74 16.5 11.0 16.6



#19
Methyl tert-butyl Ether
Concen: 12.814 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.02 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

Tgt Ion: 73 Resp: 86
Ion Ratio Lower Upper
73 100
57 0.0 14.5 21.7#

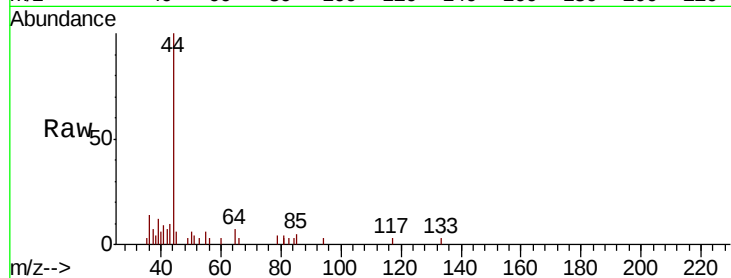




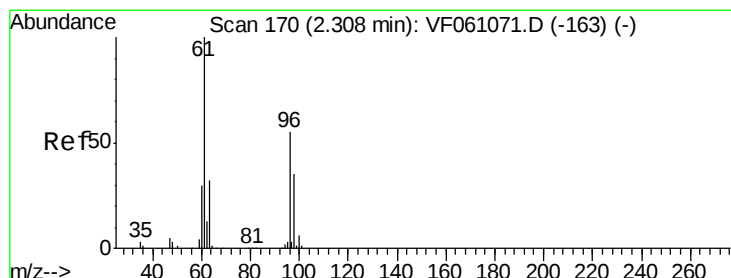
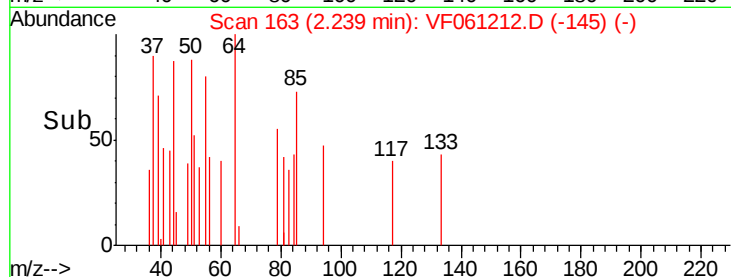
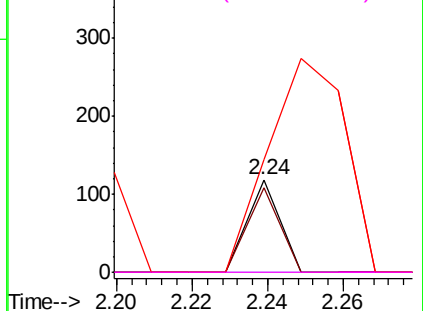
#20
Methvlene Chloride
Concen: 22.355 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01RE

Tot Ion: 84 Resp: 70
Ion Ratio Lower Upper
84 100
49 91.6 129.4 194.2#
51 121.0 44.0 66.0#
86 0.0 46.3 69.5#

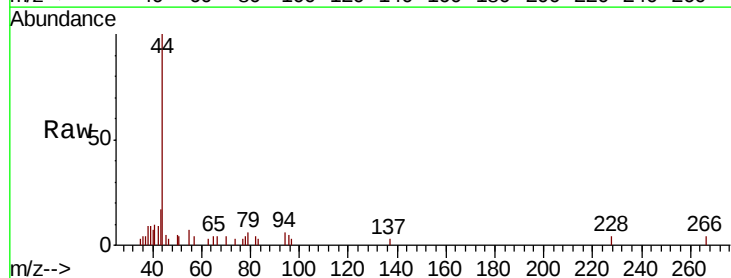


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

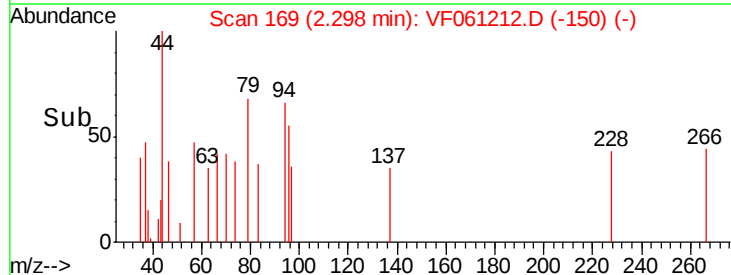
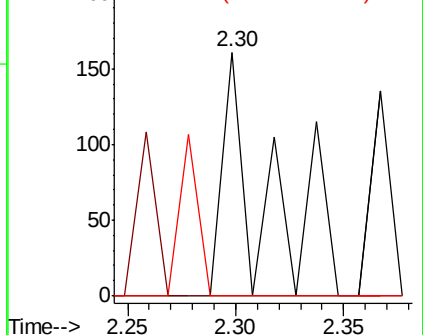


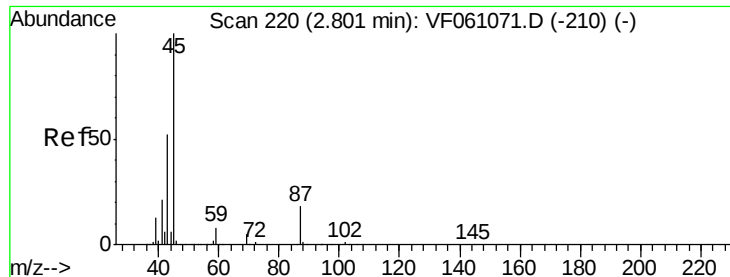
#21
trans-1,2-Dichloroethene
Concen: 69.577 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

Tgt Ion: 96 Resp: 225
Ion Ratio Lower Upper
96 100
61 0.0 146.0 219.0#
98 0.0 51.6 77.4#



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





#22

Diisopropyl ether

Concen: 104.189 ug/l

RT: 2.75 min Scan# 215

Delta R.T. -0.05 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

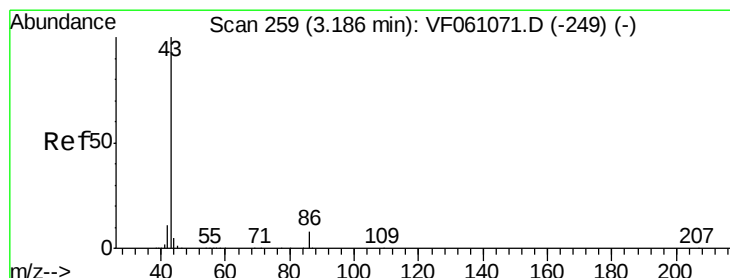
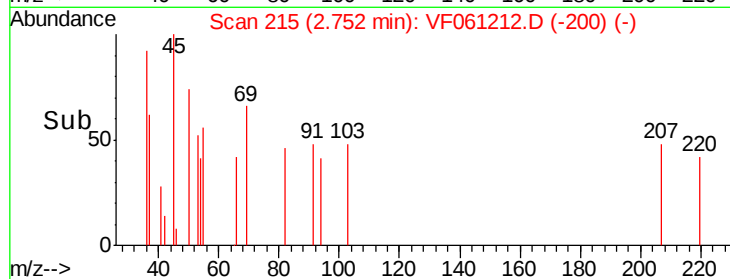
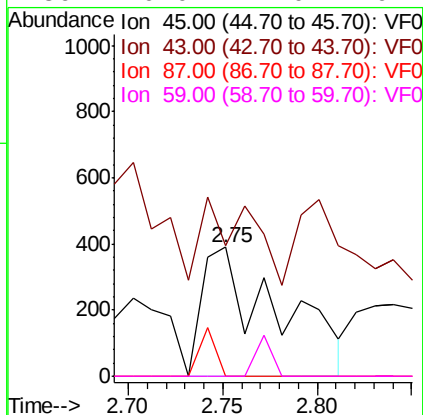
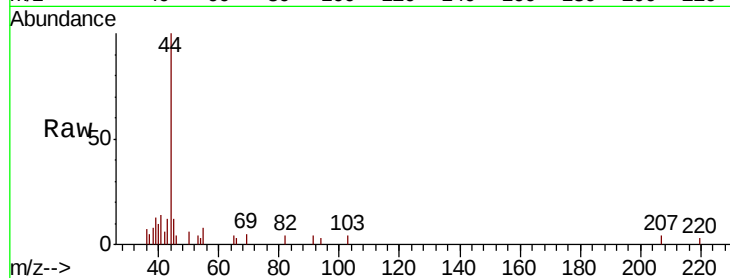
Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

Tot Ion:	45	Resp:	1092
Ion	Ratio	Lower	Upper
45	100		
43	101.5	42.2	63.2#
87	0.0	14.6	22.0#
59	0.0	7.0	10.4#



#23

Vinyl Acetate

Concen: 68.871 ug/l

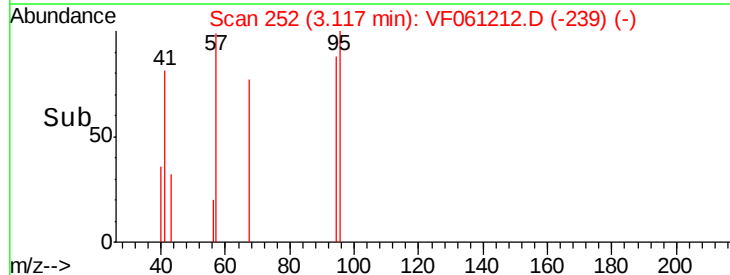
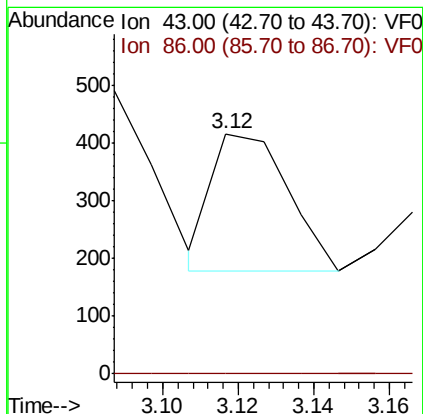
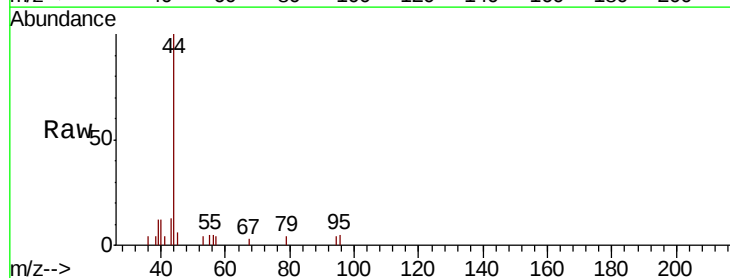
RT: 3.12 min Scan# 252

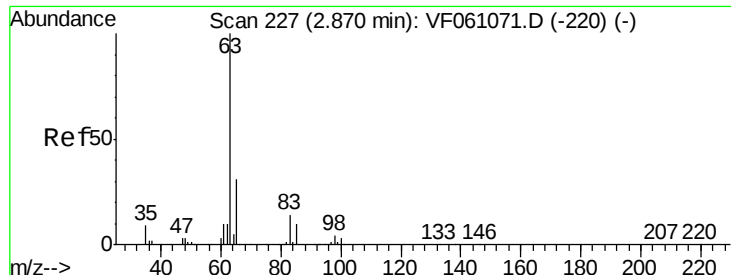
Delta R.T. -0.07 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Tgt Ion:	43	Resp:	333
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.3	9.5#





#24

1,1-Dichloroethane

Concen: 9.984 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

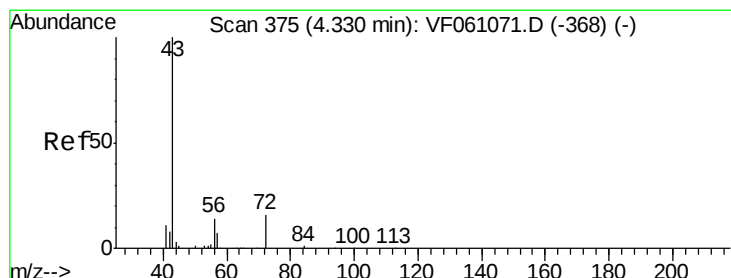
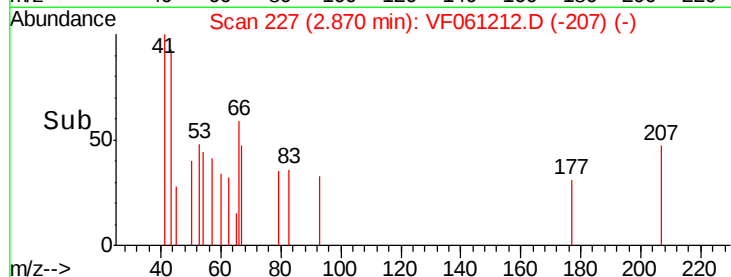
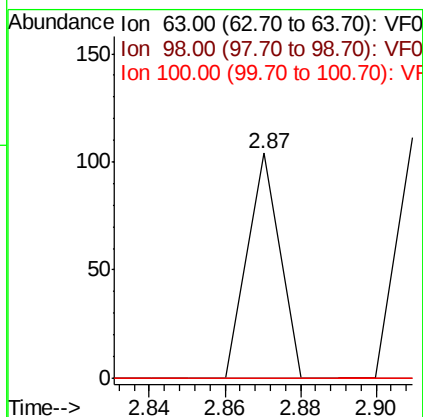
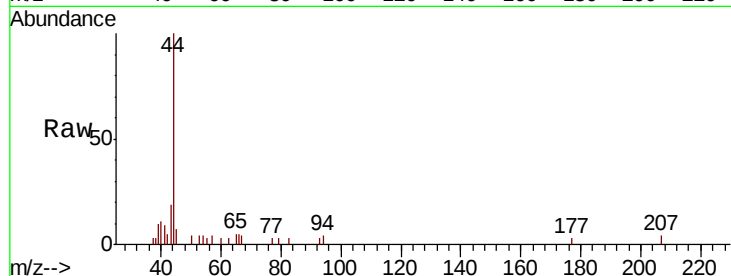
Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

Tot Ion:	63	Resp:	62
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.5#
100	0.0	1.7	5.1#



#25

2-Butanone

Concen: 69.915 ug/l

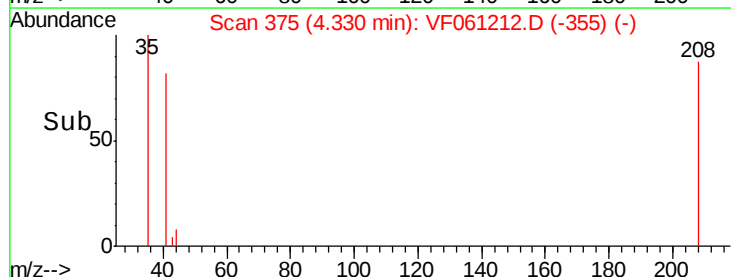
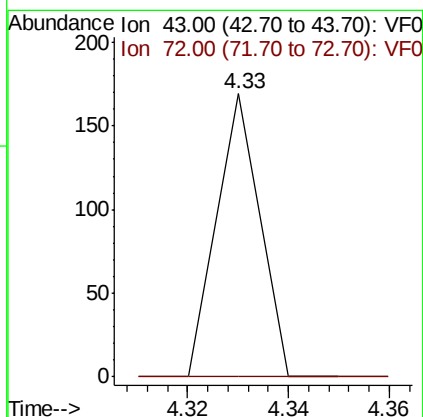
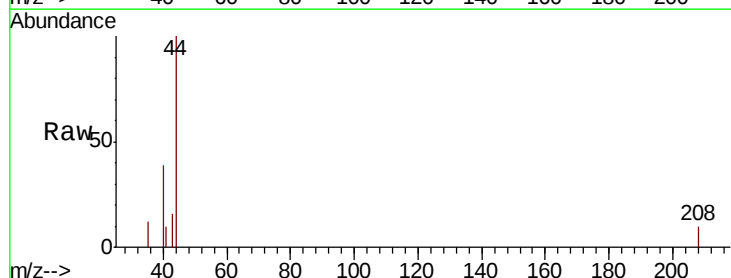
RT: 4.33 min Scan# 375

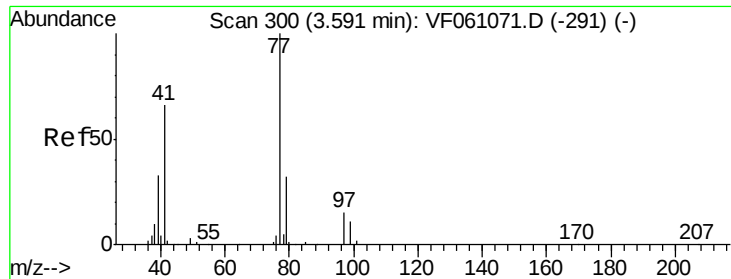
Delta R.T. -0.00 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Tgt Ion:	43	Resp:	100
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#





#26

2,2-Dichloropropane

Concen: 19.923 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.07 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

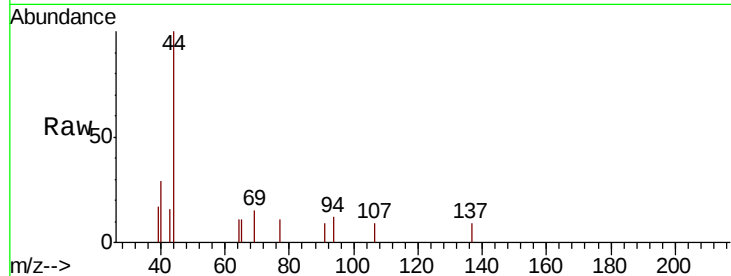
P001-SS025-1824-01RE

Tot Ion: 77 Resp: 71

Ion Ratio Lower Upper

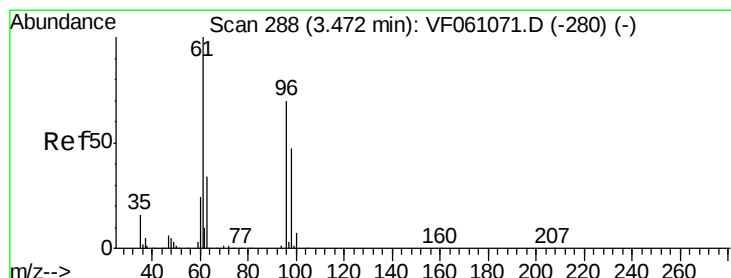
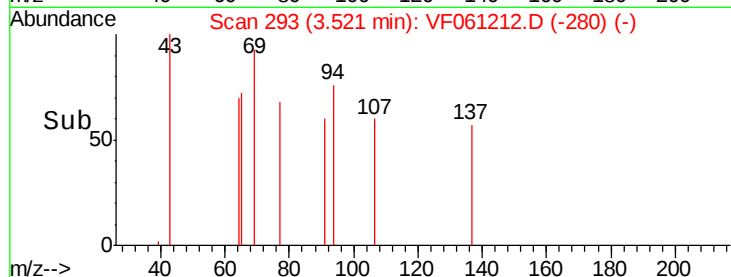
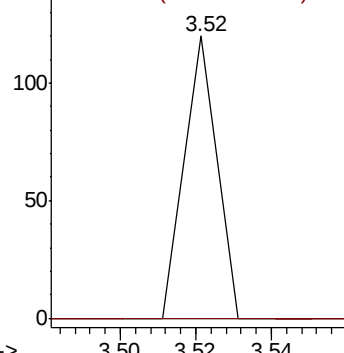
77 100

97 0.0 8.2 24.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 12.119 ug/l

RT: 3.29 min Scan# 270

Delta R.T. -0.18 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

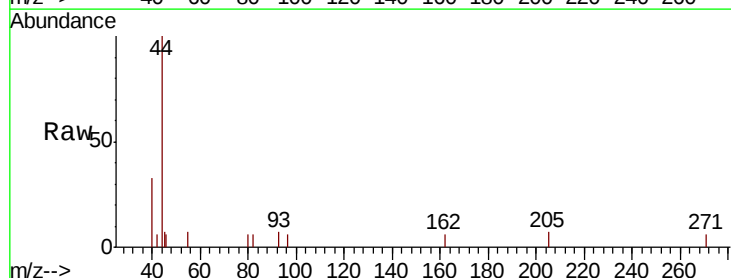
Tgt Ion: 96 Resp: 60

Ion Ratio Lower Upper

96 100

61 0.0 0.0 287.8

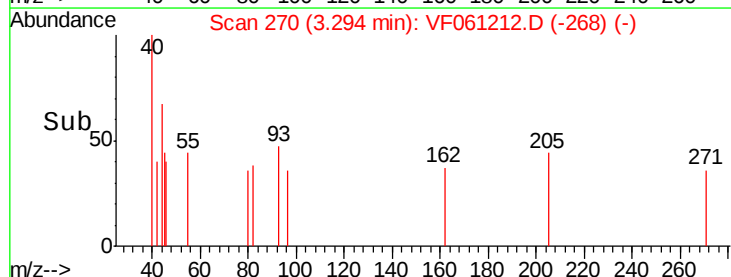
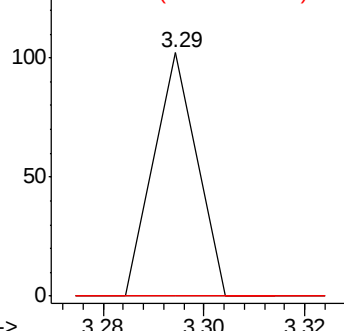
98 0.0 0.0 134.2

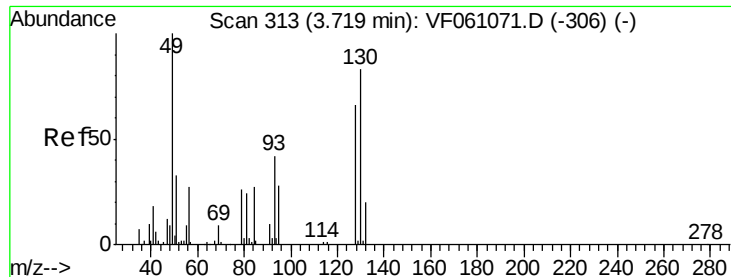


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#28

Bromochloromethane

Concen: 25.072 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.13 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

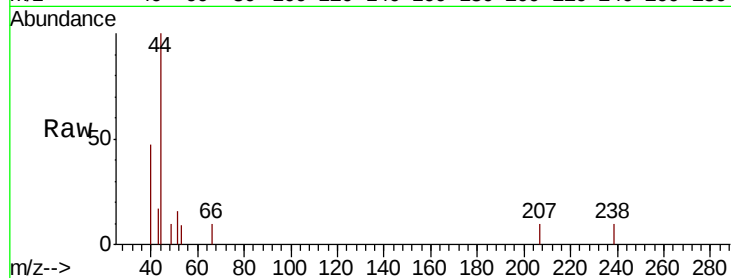
Tot Ion: 49 Resp: 79

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

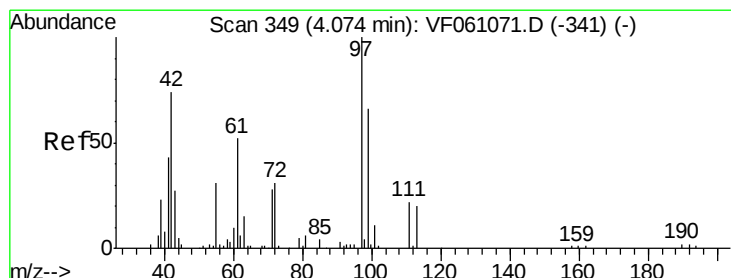
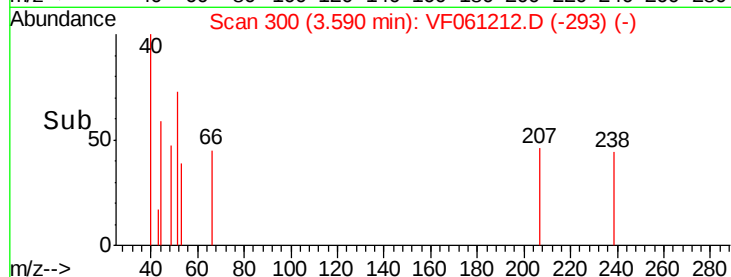
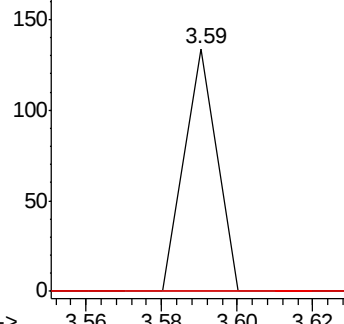
130 0.0 65.8 98.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 113.373 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.04 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

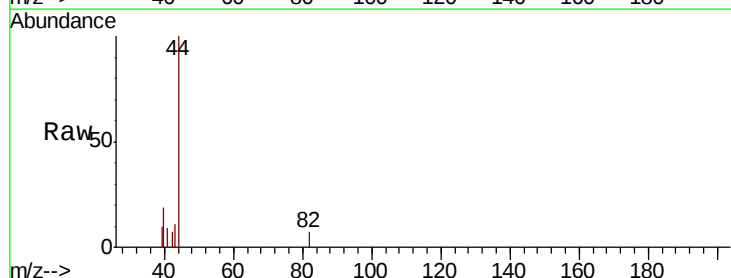
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

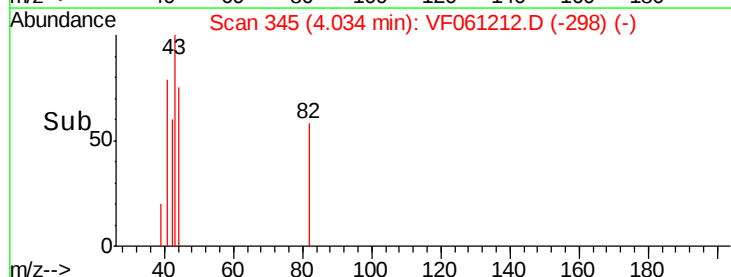
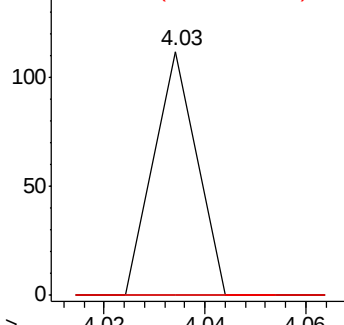
71 0.0 29.7 44.5#

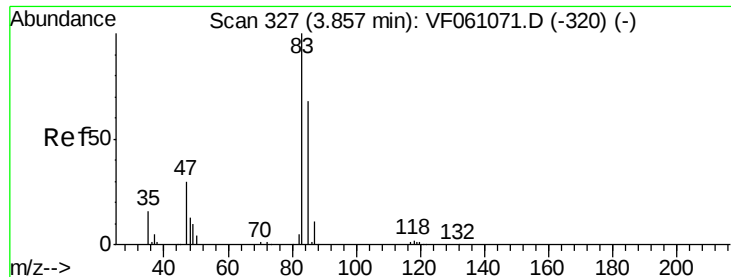


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

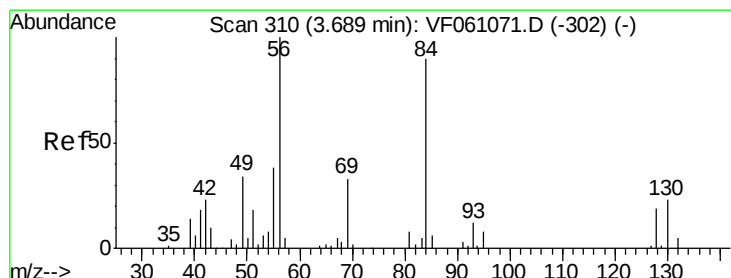
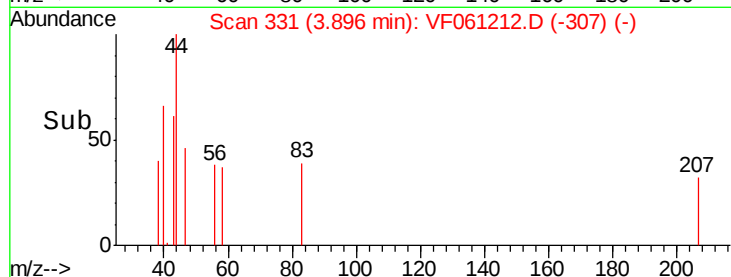
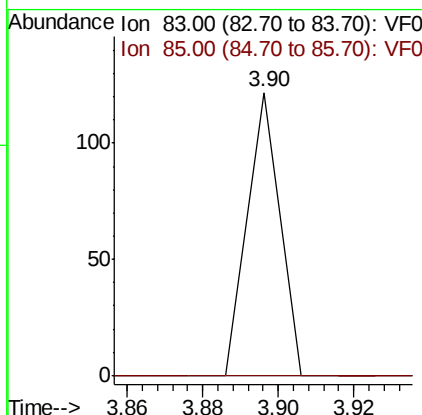
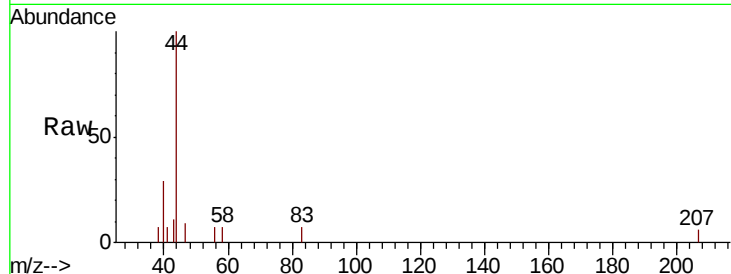




#30
Chloroform
Concen: 7.732 ug/l
RT: 3.90 min Scan# 331
Delta R.T. 0.04 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

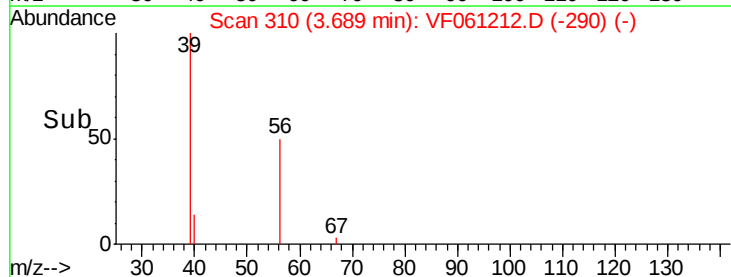
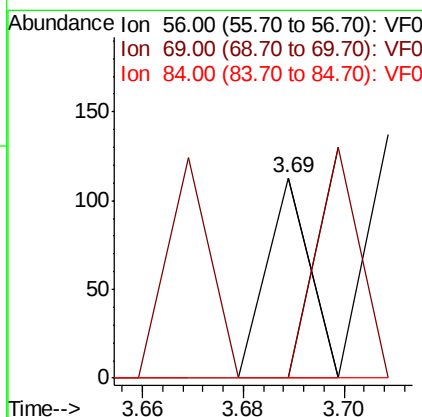
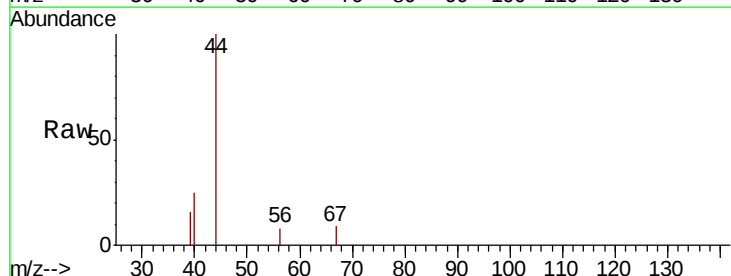
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01RE

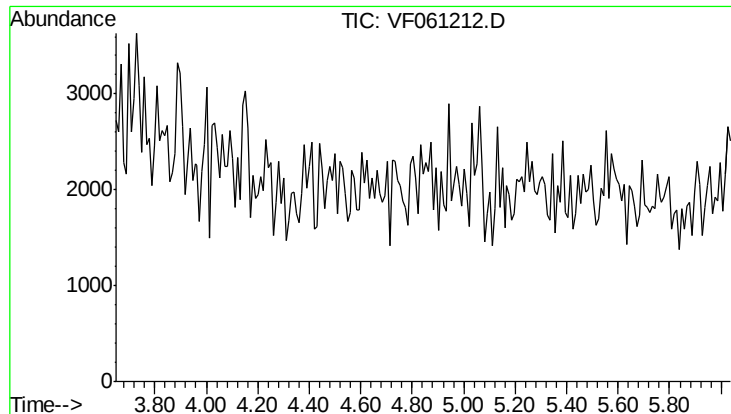
Tot Ion: 83 Resp: 72
Ion Ratio Lower Upper
83 100
85 0.0 54.5 81.7#



#31
Cyclohexane
Concen: 10.397 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
69 0.0 26.0 39.0#
84 0.0 71.4 107.2#

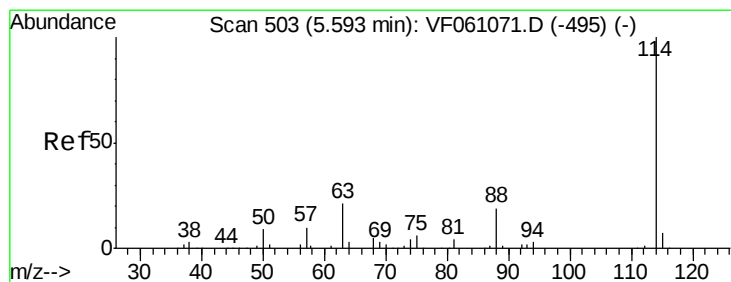
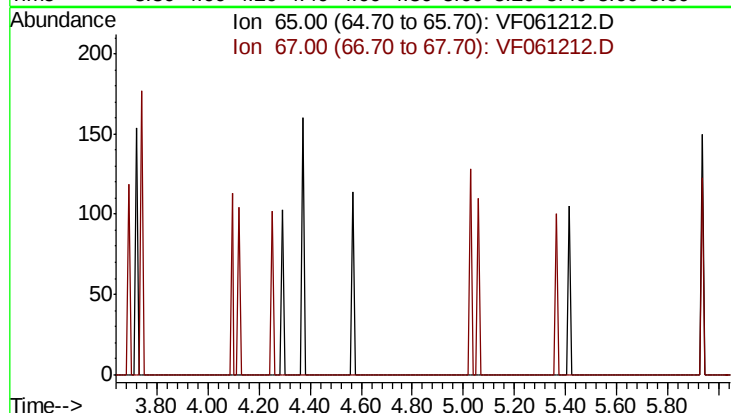




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 4.84 min
 Lab File: VF061212.D
 Acq: 27 Dec 2018 17:09

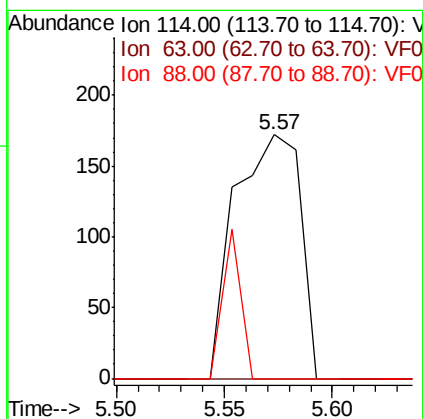
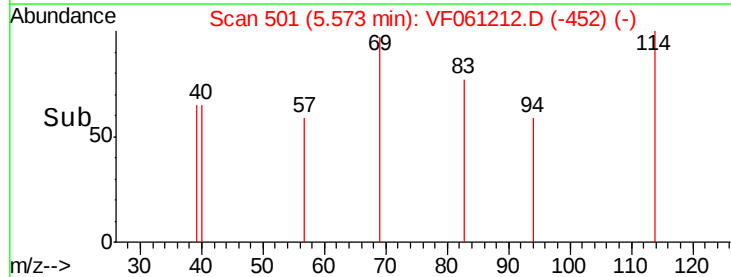
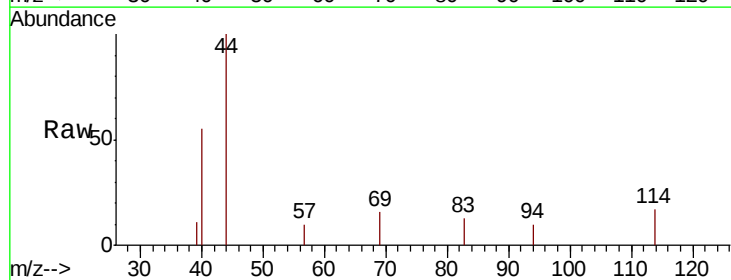
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1824-01RE

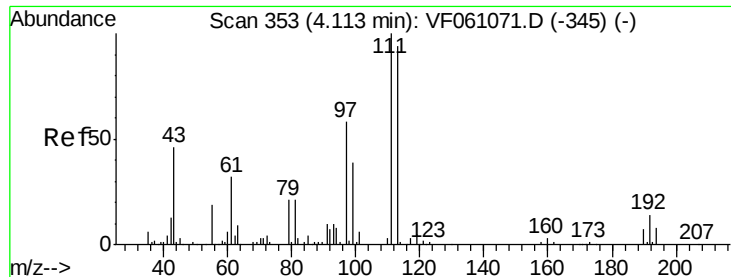
Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 47.3



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VF061212.D
 Acq: 27 Dec 2018 17:09

Tgt Ion:114 Resp: 362
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 41.6
 88 0.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 24.139 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

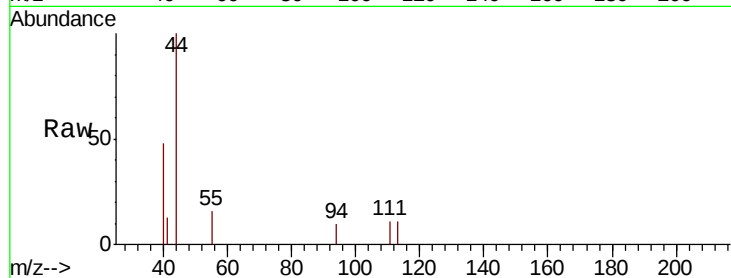
Tot Ion:113 Resp: 70

Ion Ratio Lower Upper

113 100

111 98.3 85.2 127.8

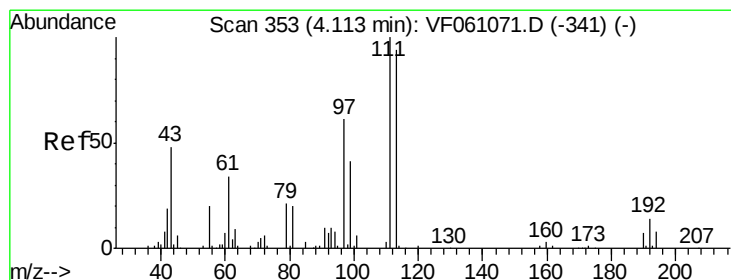
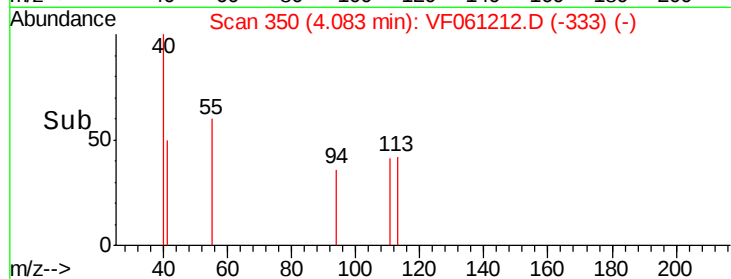
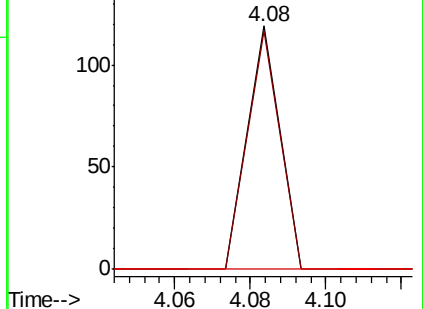
192 0.0 12.8 19.2#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

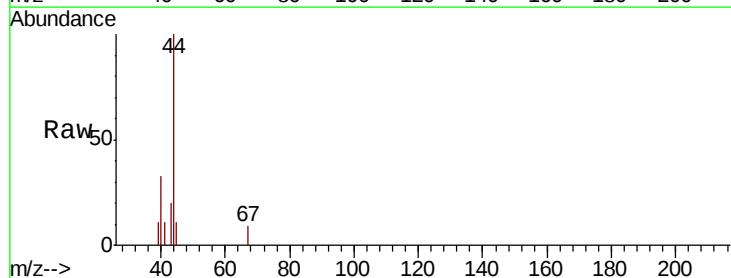
Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

61 0.0 56.6 84.8#

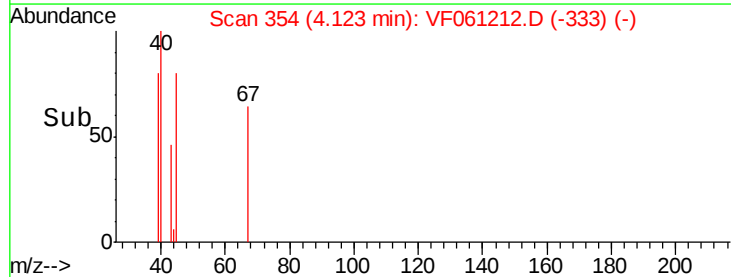
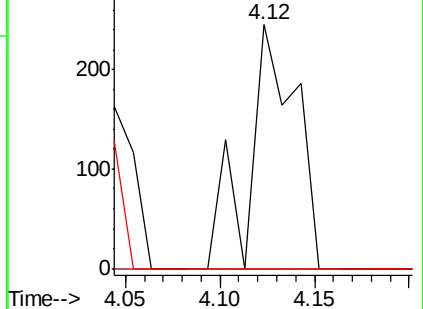
70 0.0 6.3 9.5#

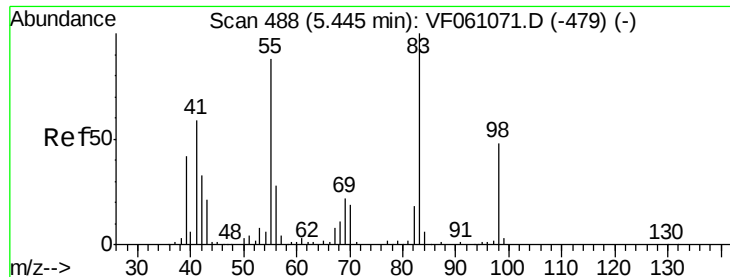


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

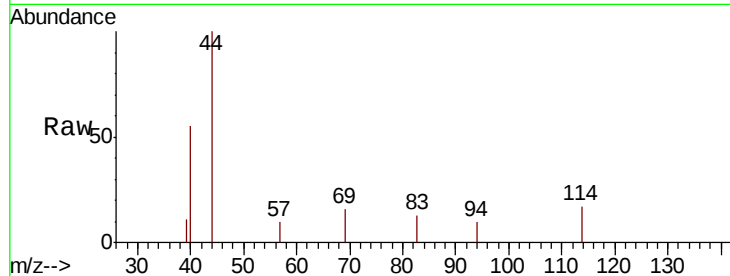




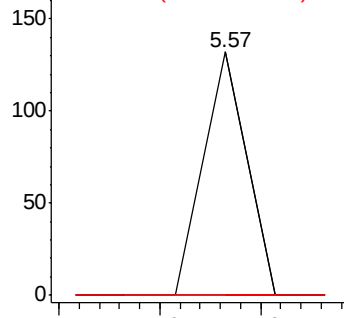
#39
Methylcyclohexane
Concen: 19.897 ug/l
RT: 5.57 min Scan# 501
Delta R.T. 0.13 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1824-01RE

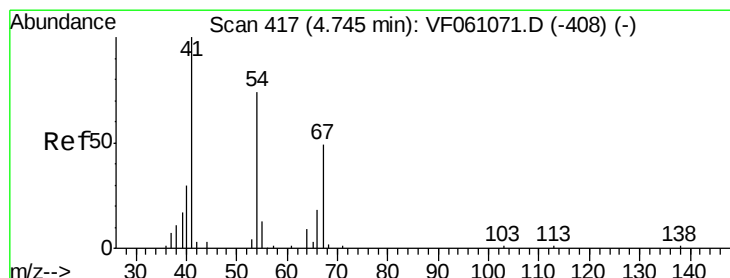
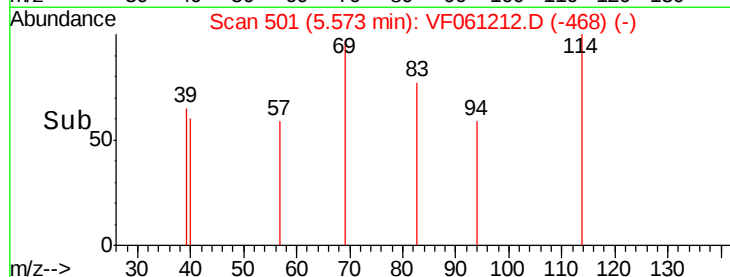
Tot Ion: 83 Resp: 78
Ion Ratio Lower Upper
83 100
55 0.0 70.6 105.8#
98 0.0 38.5 57.7#



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

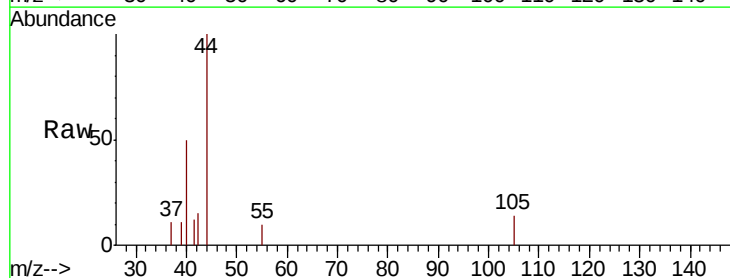


Time-->

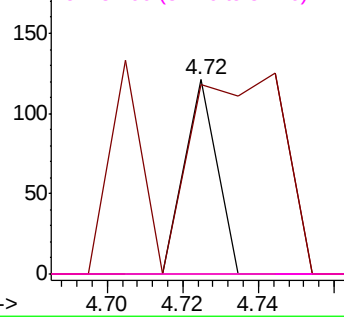


#41
Methacrylonitrile
Concen: 78.022 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061212.D
Acq: 27 Dec 2018 17:09

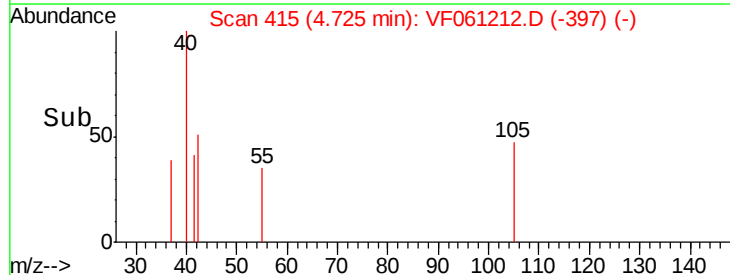
Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 97.5 45.7 68.5#
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#

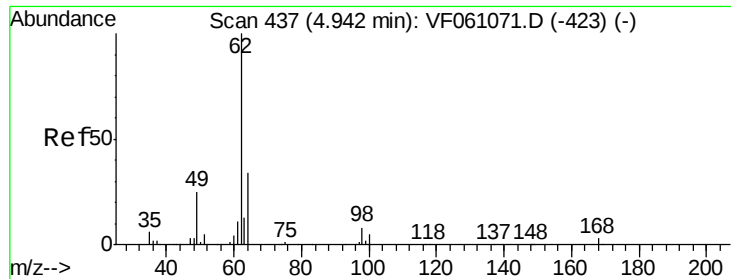


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



Time-->





#42

1,2-Dichloroethane

Concen: 19.610 ug/l

RT: 4.96 min Scan# 439

Delta R.T. 0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

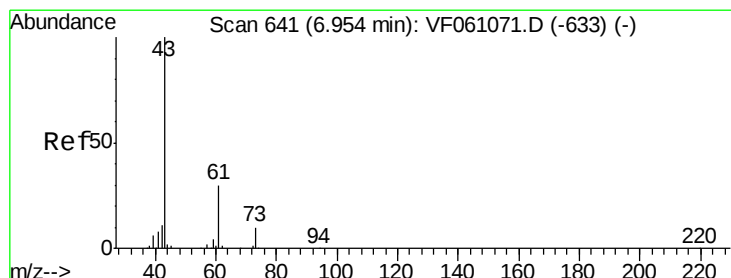
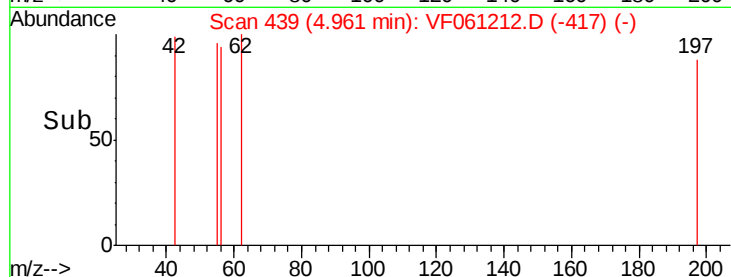
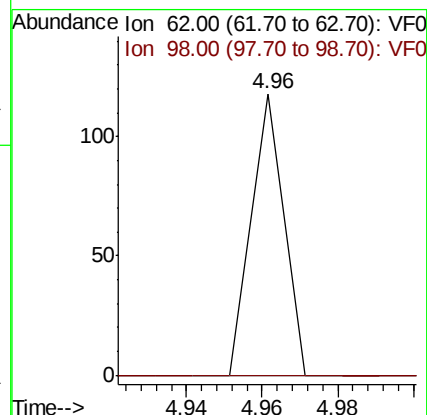
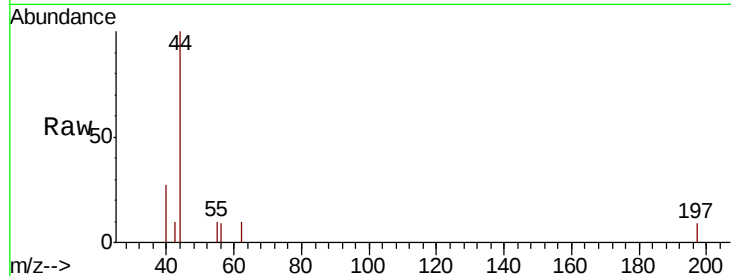
P001-SS025-1824-01RE

Tot Ion: 62 Resp: 70

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 131.762 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

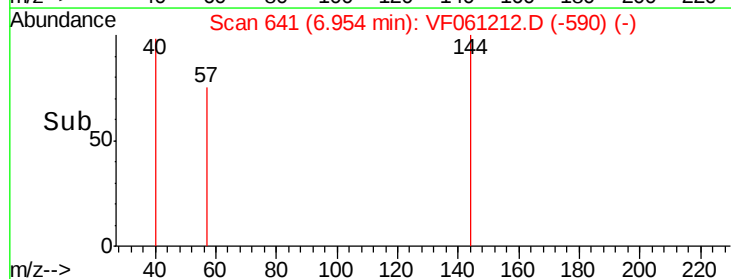
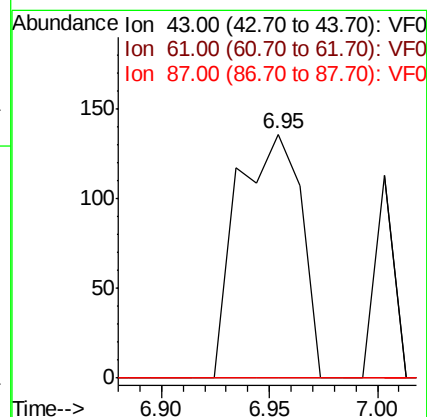
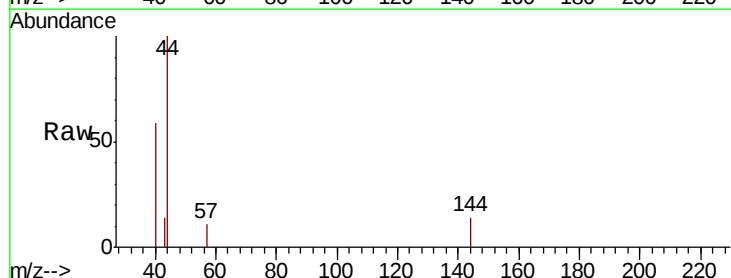
Tgt Ion: 43 Resp: 278

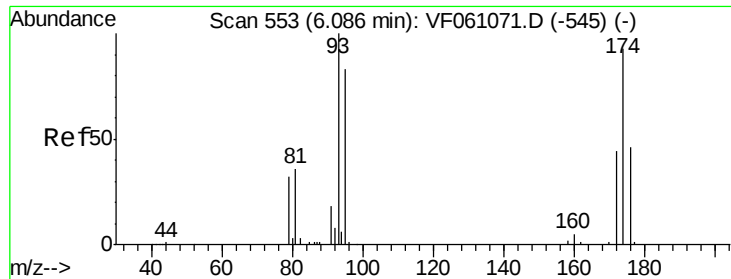
Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

87 0.0 0.0 0.0





#46

Dibromomethane

Concen: 37.994 ug/l

RT: 6.14 min Scan# 558

Delta R.T. 0.05 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

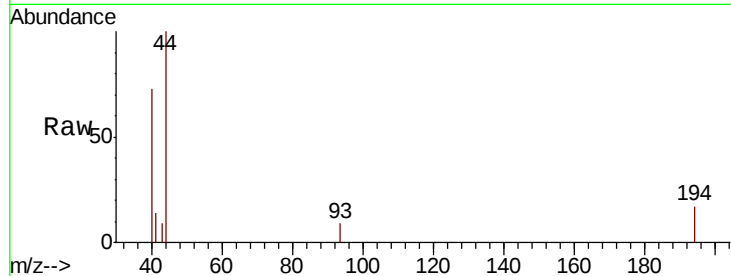
Tot Ion: 93 Resp: 63

Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.1 111.1#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

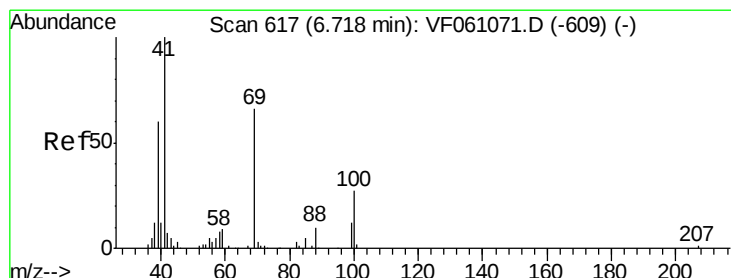
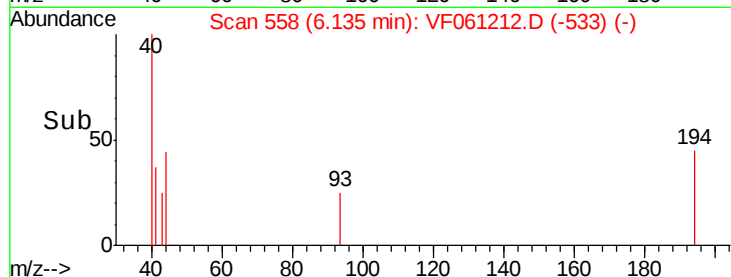
6.14

100

50

0

Time--> 6.10 6.12 6.14 6.16



#48

Methyl methacrylate

Concen: 106.592 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

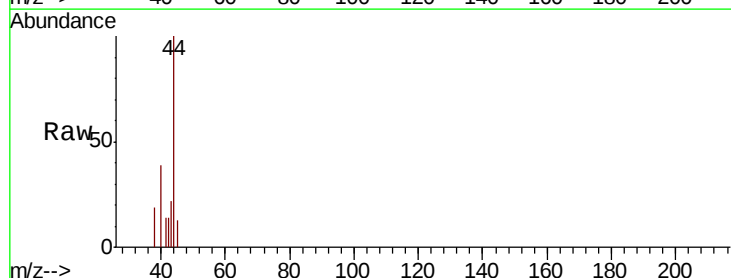
Tgt Ion: 41 Resp: 157

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

39 0.0 47.8 71.6#



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

6.70

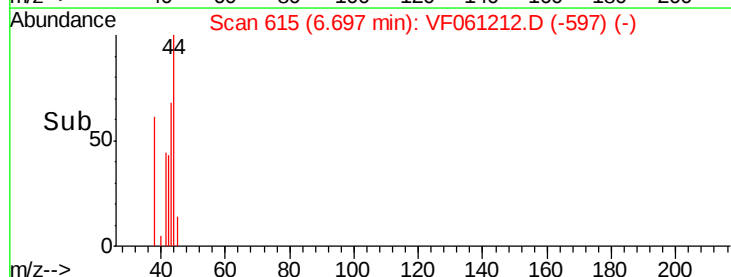
300

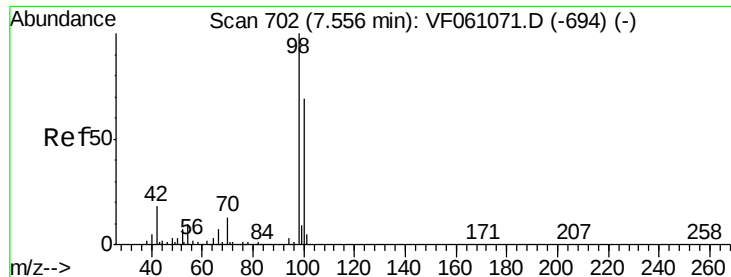
200

100

0

Time--> 6.68 6.70





#50

Toluene-d8

Concen: 59.019 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

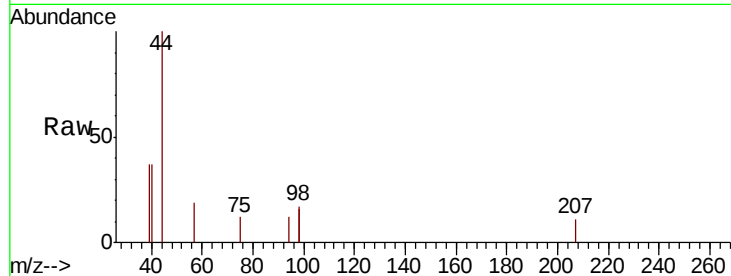
P001-SS025-1824-01RE

Tot Ion: 98 Resp: 485

Ion Ratio Lower Upper

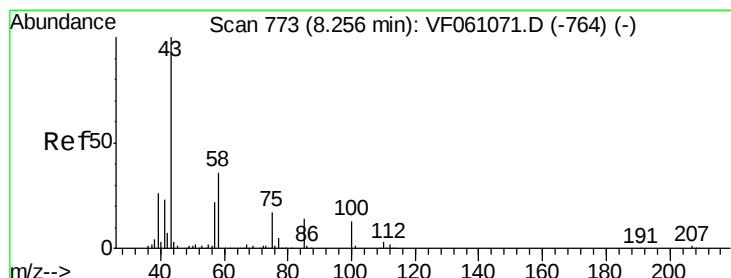
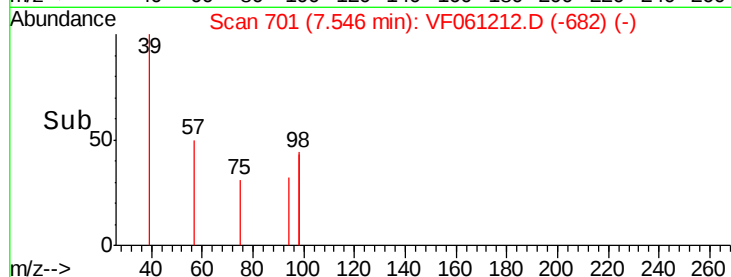
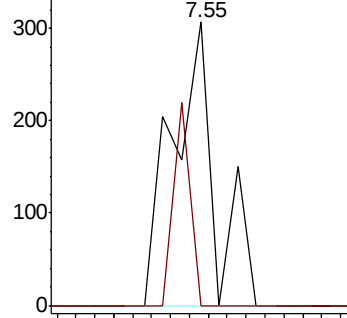
98 100

100 0.0 55.3 82.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 60.816 ug/l

RT: 8.21 min Scan# 768

Delta R.T. -0.05 min

Lab File: VF061212.D

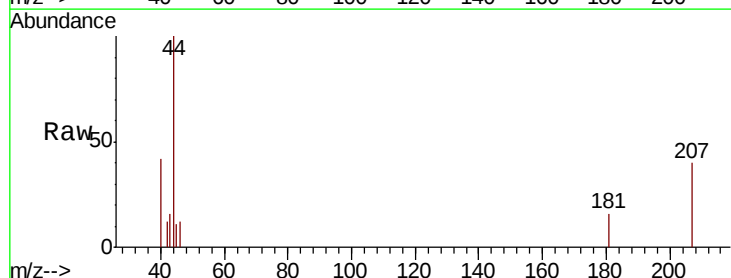
Acq: 27 Dec 2018 17:09

Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

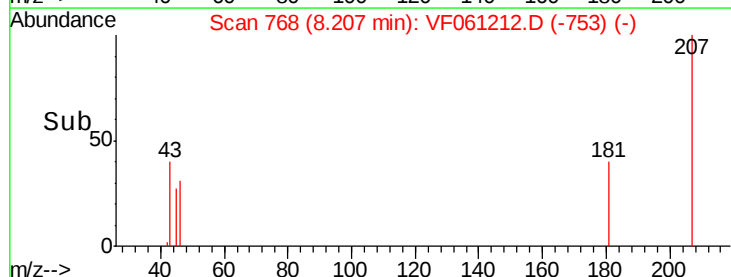
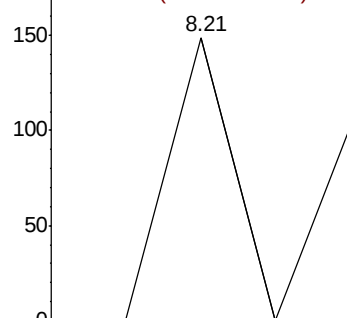
43 100

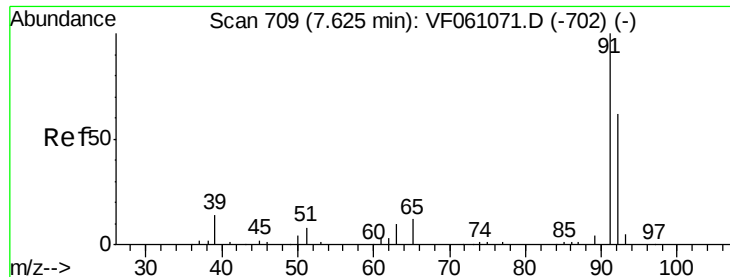
58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 13.344 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

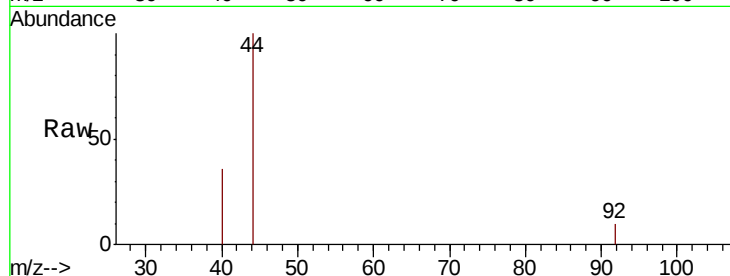
P001-SS025-1824-01RE

Tot Ion: 92 Resp: 83

Ion Ratio Lower Upper

92 100

91 0.0 128.8 193.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

150

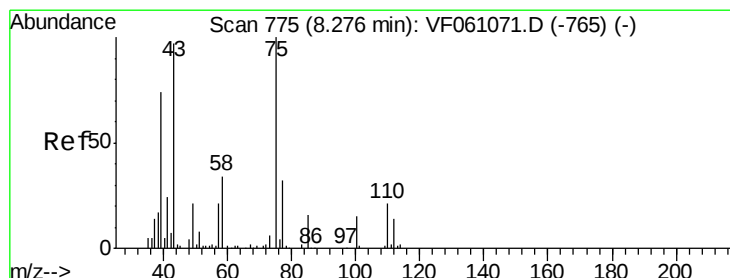
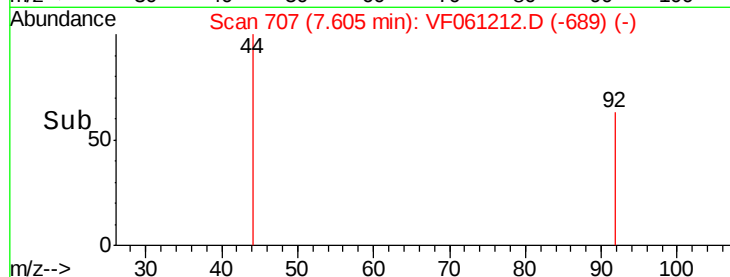
100

50

0

7.58 7.60 7.62

Time-->



#53

t-1,3-Dichloropropene

Concen: 19.277 ug/l

RT: 8.11 min Scan# 758

Delta R.T. -0.17 min

Lab File: VF061212.D

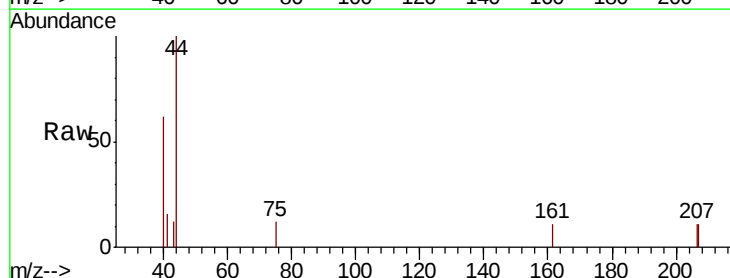
Acq: 27 Dec 2018 17:09

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.11

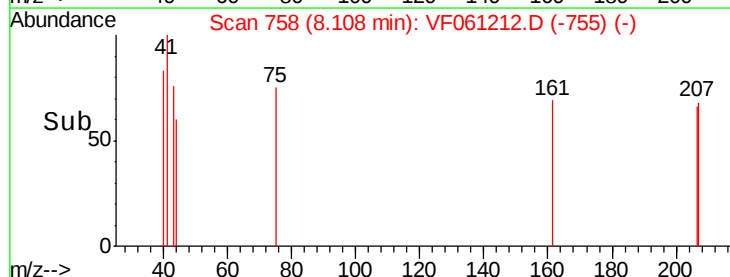
100

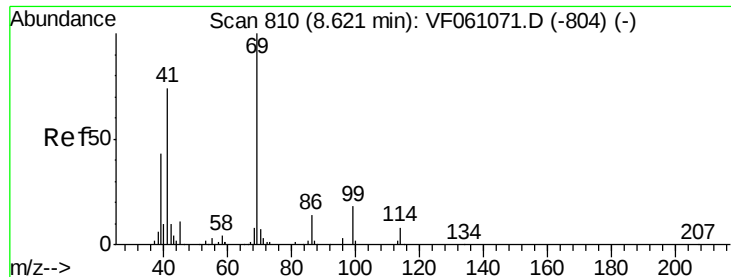
50

0

8.08 8.10 8.12 8.14

Time-->





#56

Ethyl methacrylate

Concen: 30.727 ug/l

RT: 8.56 min Scan# 804

Delta R.T. -0.06 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

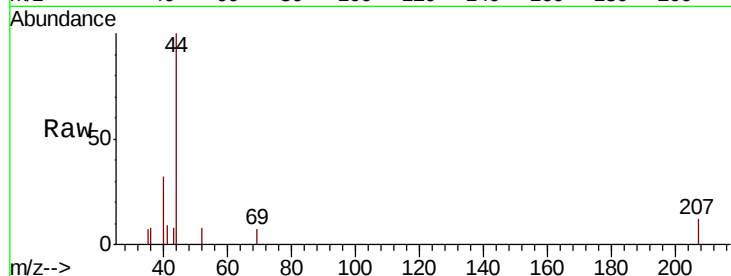
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 129.5 59.7 89.5#

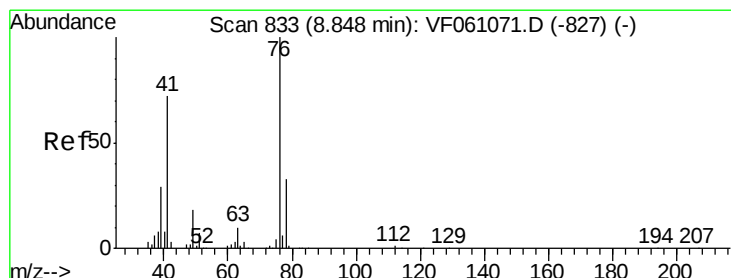
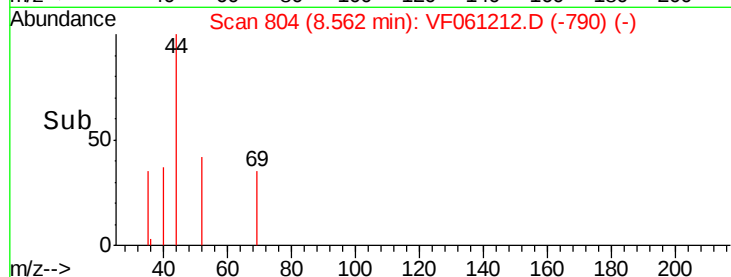
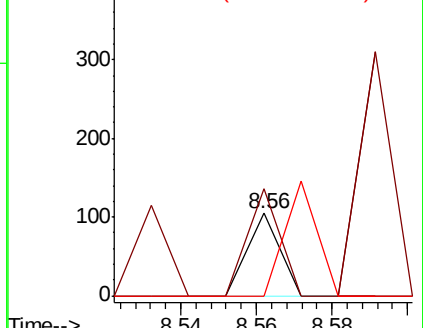
39 0.0 35.0 52.6#



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



#57

1,3-Dichloropropane

Concen: 19.866 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.13 min

Lab File: VF061212.D

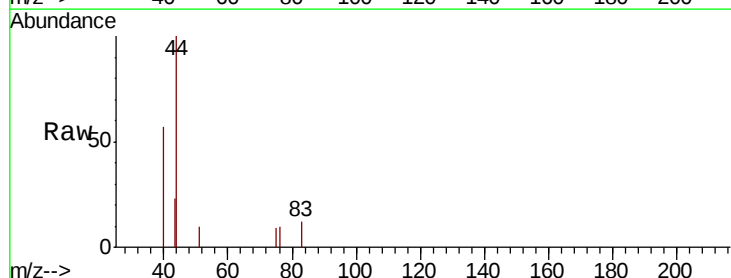
Acq: 27 Dec 2018 17:09

Tgt Ion: 76 Resp: 67

Ion Ratio Lower Upper

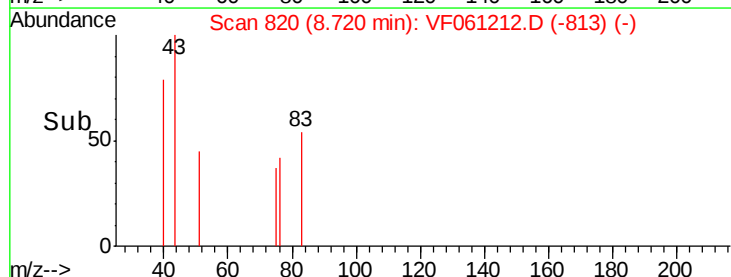
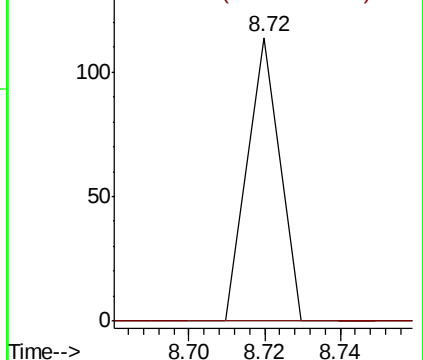
76 100

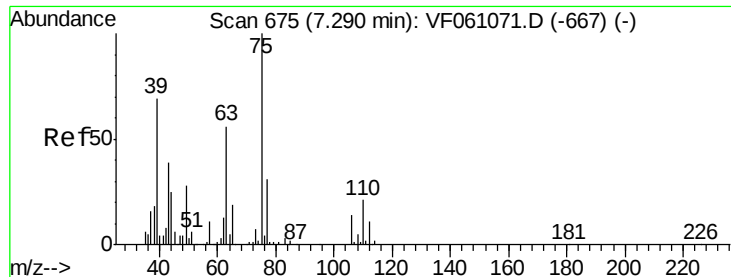
78 0.0 26.5 39.7#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 165.149 ug/l

RT: 7.15 min Scan# 661

Delta R.T. -0.14 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

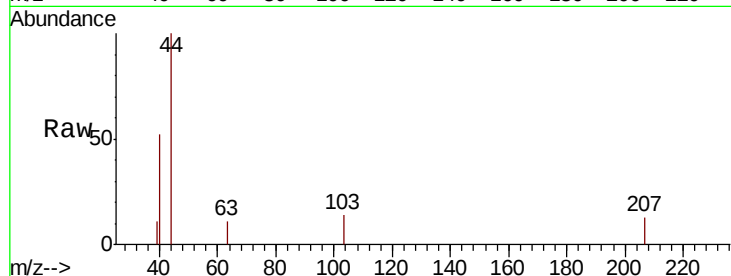
P001-SS025-1824-01RE

Tot Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.15

100

80

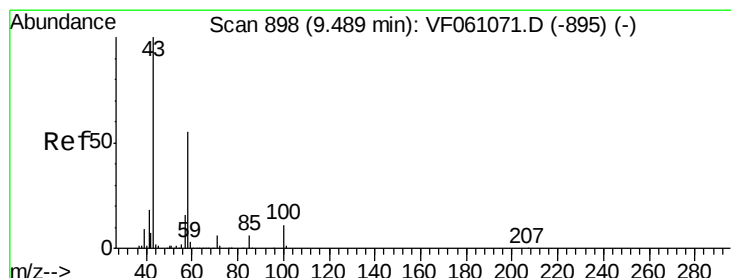
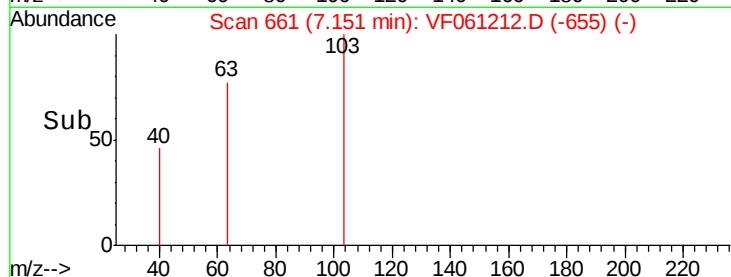
60

40

20

0

Time-->



#59

2-Hexanone

Concen: 122.321 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.02 min

Lab File: VF061212.D

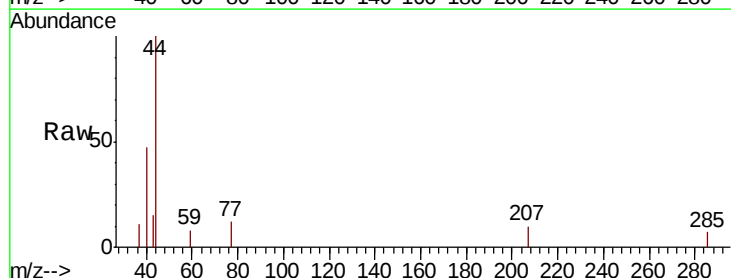
Acq: 27 Dec 2018 17:09

Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

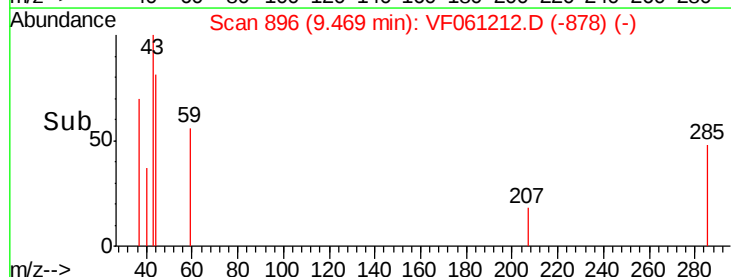
150

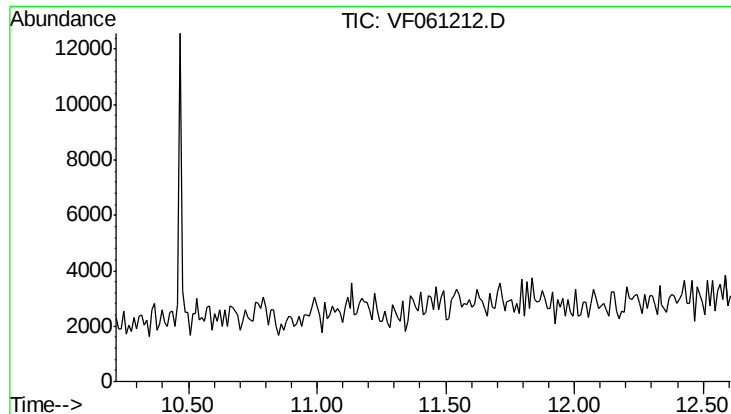
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.41 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Tot Ion: 95

Sig Exp Ratio

95 100

174 71.9

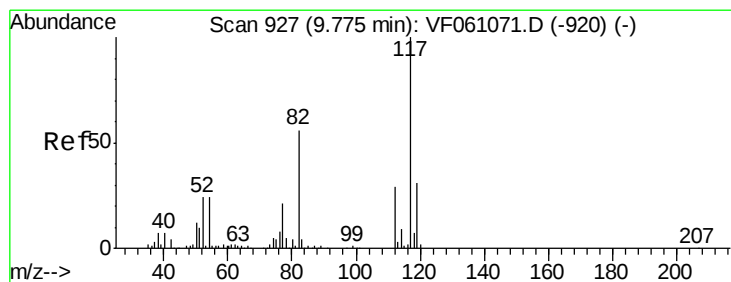
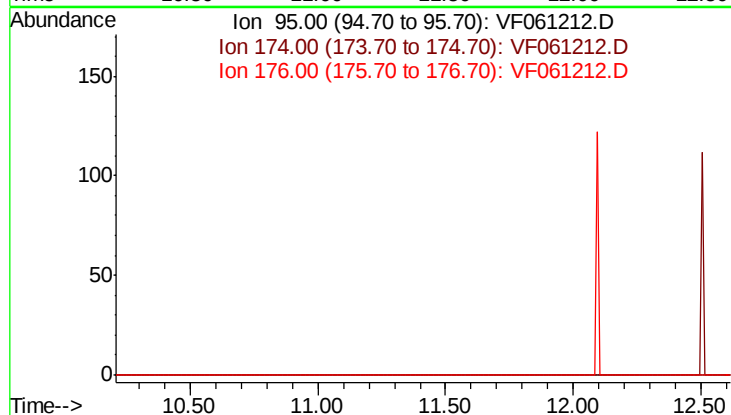
176 73.8

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

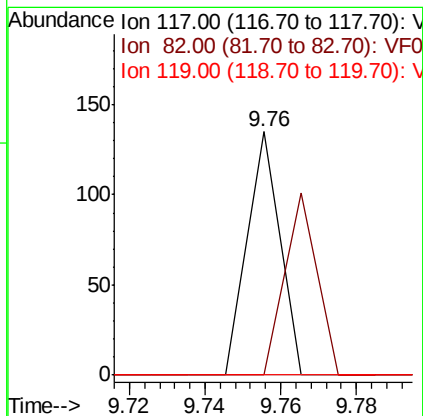
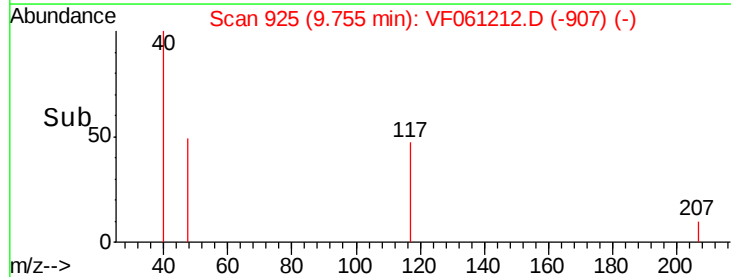
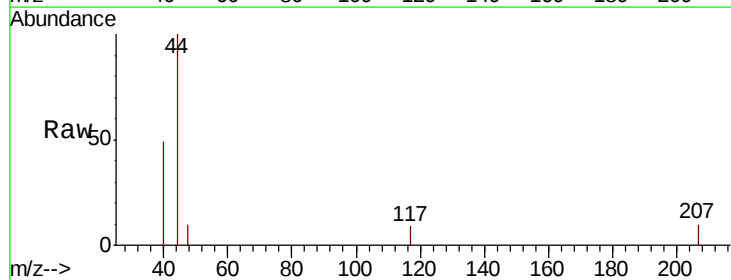
Tgt Ion: 117 Resp: 80

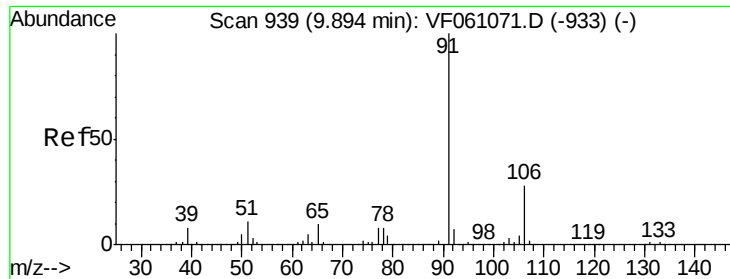
Ion Ratio Lower Upper

117 100

82 0.0 45.0 67.4#

119 0.0 24.8 37.2#





#67

Ethyl Benzene

Concen: 25.242 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

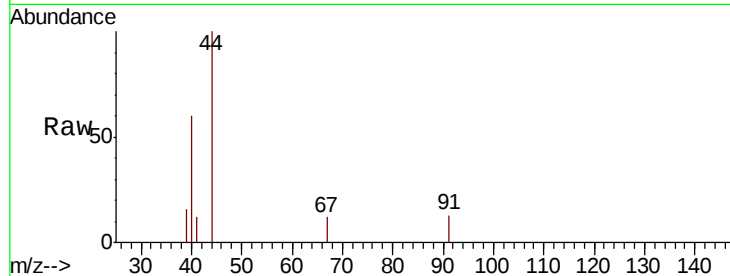
P001-SS025-1824-01RE

Tot Ion: 91 Resp: 76

Ion Ratio Lower Upper

91 100

106 0.0 22.5 33.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150

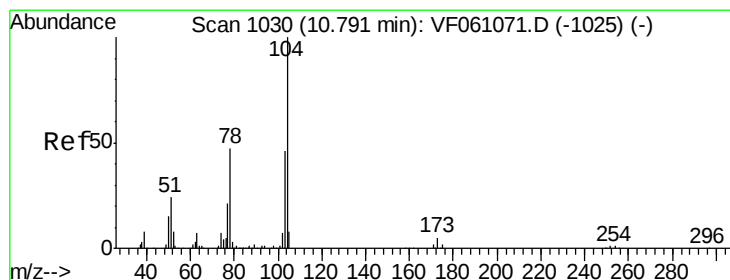
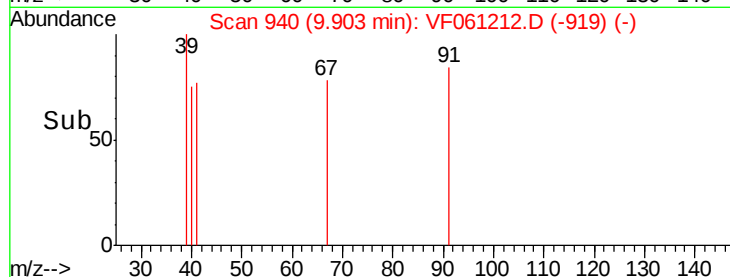
100

50

0

9.88 9.90 9.92

Time-->



#70

Styrene

Concen: 54.179 ug/l

RT: 10.68 min Scan# 1019

Delta R.T. -0.11 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

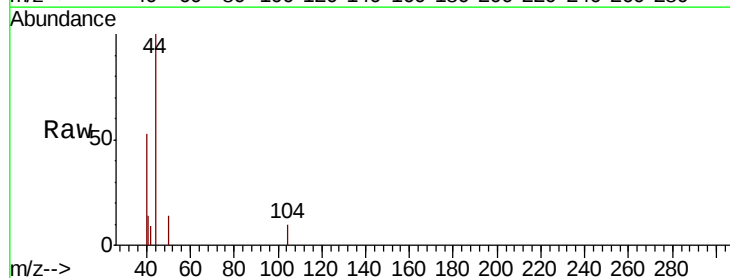
Tgt Ion: 104 Resp: 77

Ion Ratio Lower Upper

104 100

78 0.0 38.4 57.6#

103 0.0 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V

150

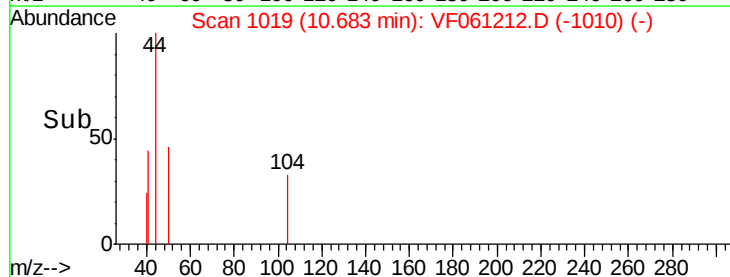
100

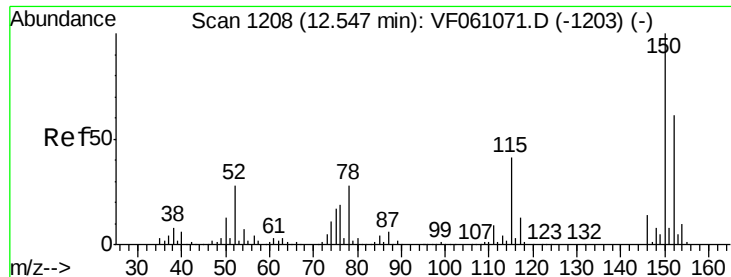
50

0

10.66 10.68 10.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

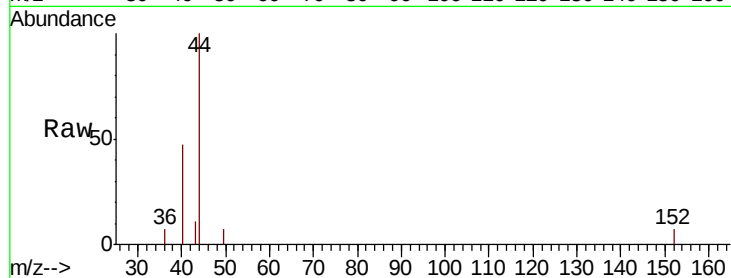
Tot Ion:152 Resp: 61

Ion Ratio Lower Upper

152 100

115 0.0 33.3 99.9#

150 0.0 0.0 328.2

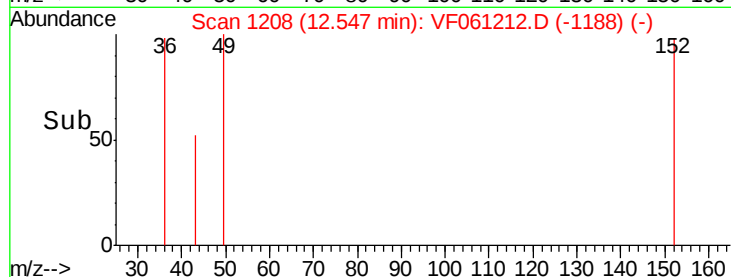


Abundance Ion 152.00 (151.70 to 152.70): V

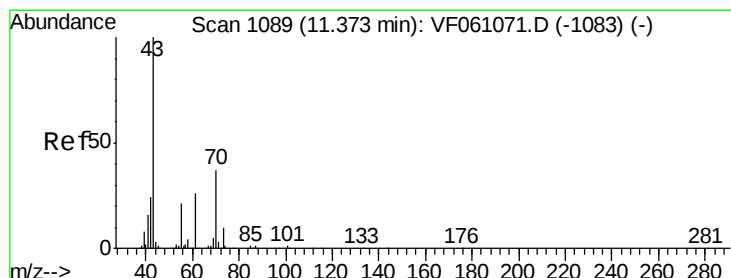
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

12.55



Time-->



#74

N-ethyl acetate

Concen: 65.977 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Tgt Ion: 43 Resp: 77

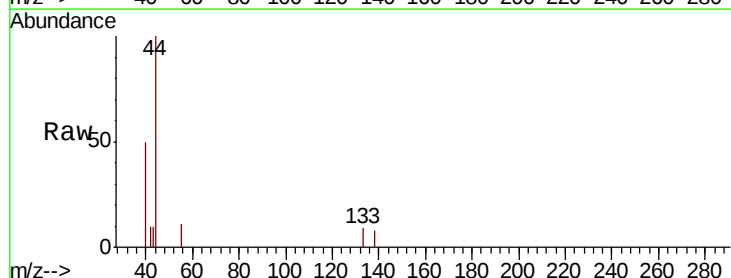
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 113.7 16.5 24.7#

61 0.0 20.7 31.1#



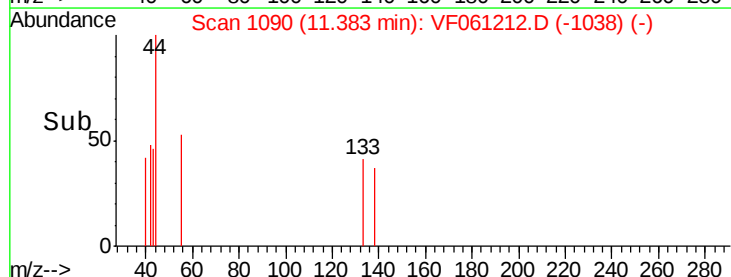
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

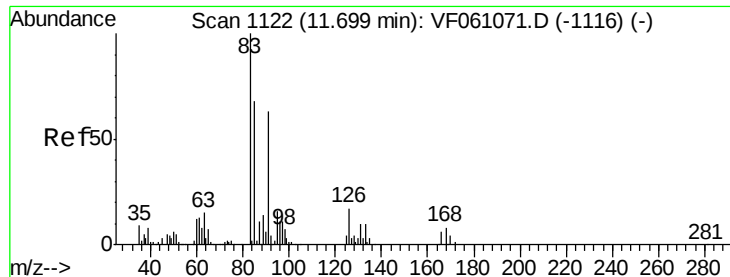
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.38



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 85.966 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. -0.07 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

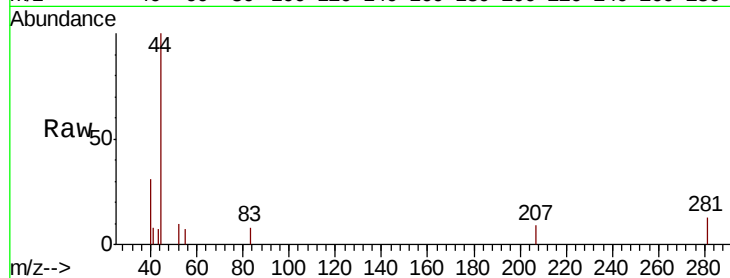
Tot Ion: 83 Resp: 75

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

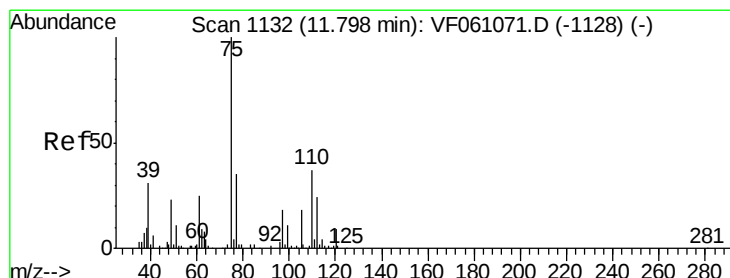
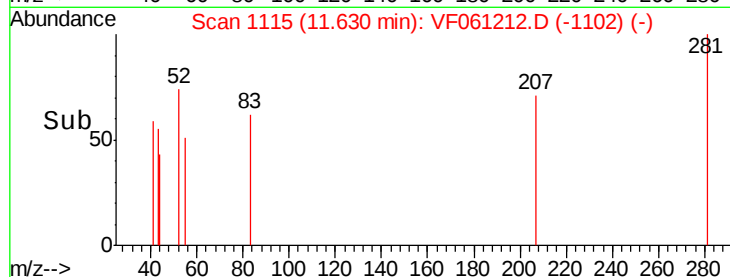
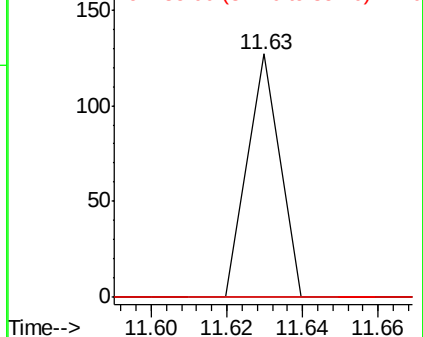
85 0.0 33.9 101.6#



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: 109.354 ug/l

RT: 11.92 min Scan# 1144

Delta R.T. 0.12 min

Lab File: VF061212.D

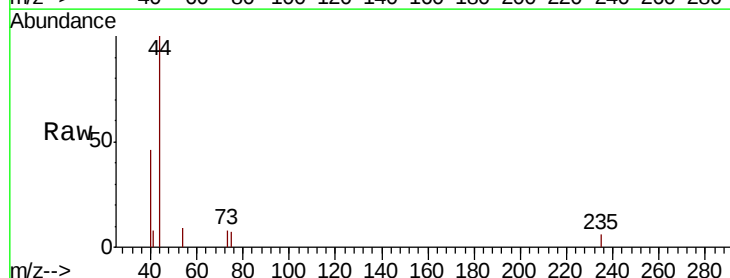
Acq: 27 Dec 2018 17:09

Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

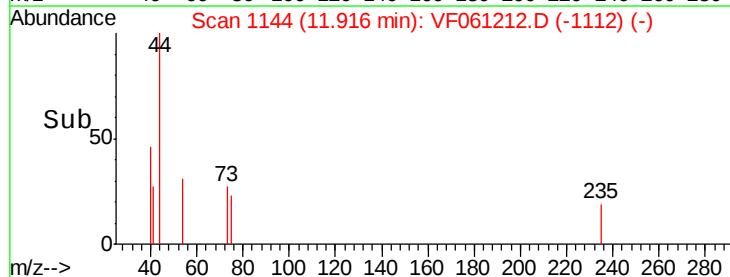
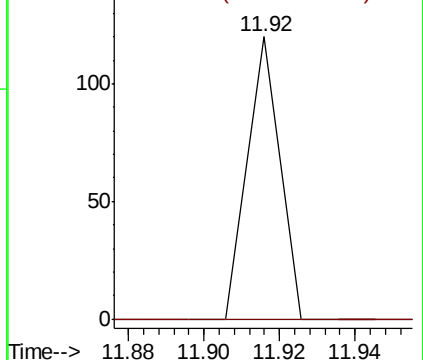
75 100

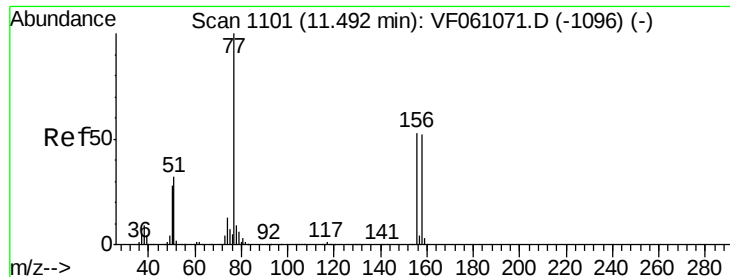
77 0.0 17.6 52.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.790 ug/l

RT: 11.55 min Scan# 1107

Delta R.T. 0.06 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

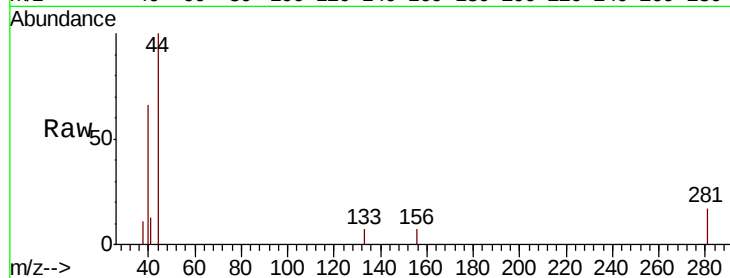
Tot Ion:156 Resp: 62

Ion Ratio Lower Upper

156 100

77 0.0 93.8 281.4#

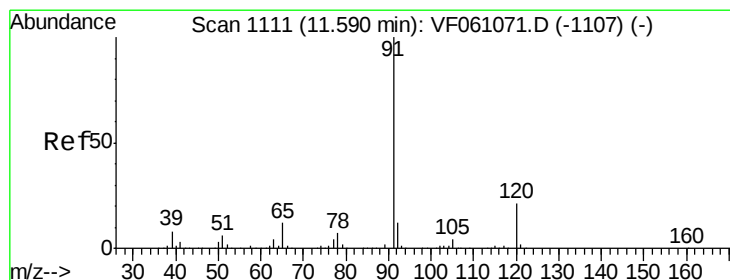
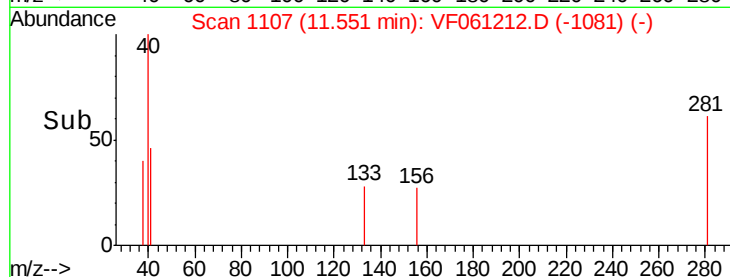
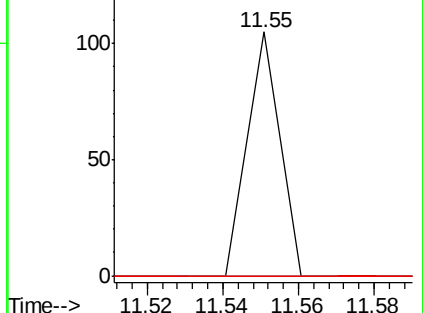
158 0.0 48.9 146.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 8.347 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.11 min

Lab File: VF061212.D

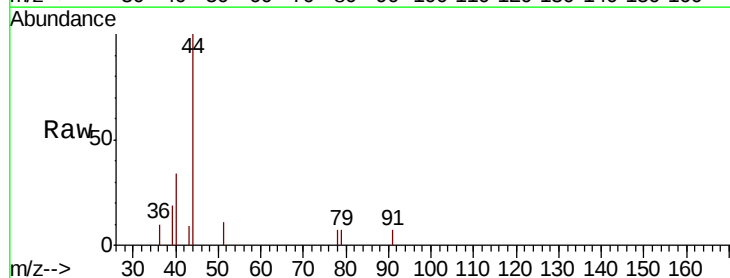
Acq: 27 Dec 2018 17:09

Tgt Ion: 91 Resp: 60

Ion Ratio Lower Upper

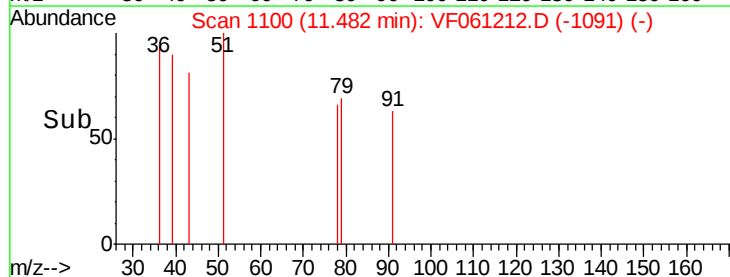
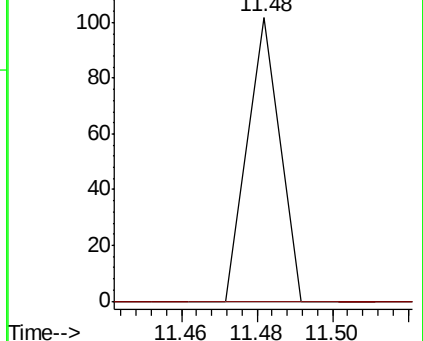
91 100

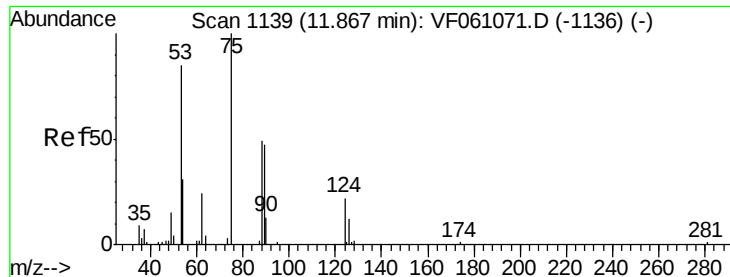
120 0.0 10.4 31.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 254.484 ug/l

RT: 11.92 min Scan# 1144

Delta R.T. 0.05 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

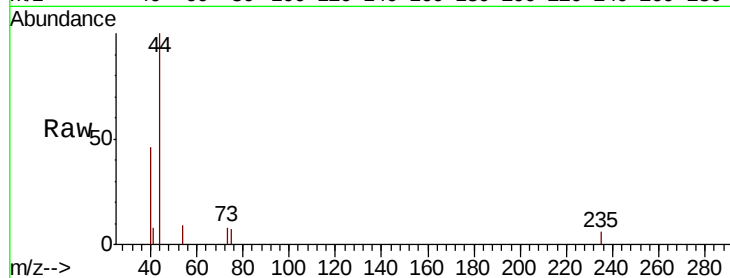
Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

53 0.0 74.1 111.1#

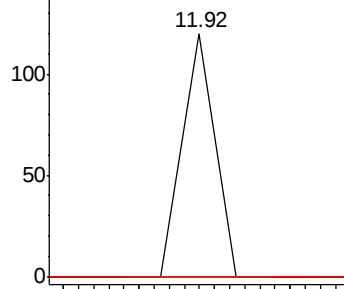
89 0.0 42.6 64.0#



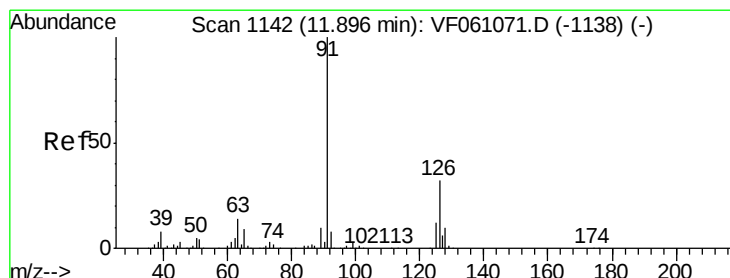
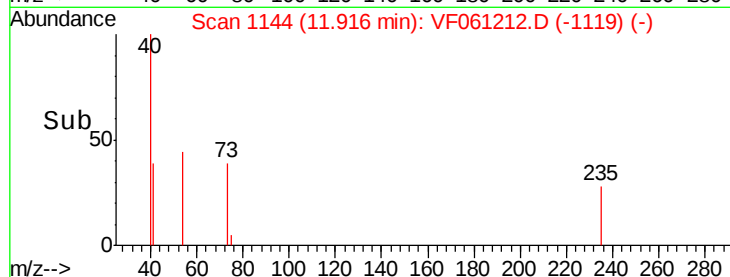
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: 19.301 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061212.D

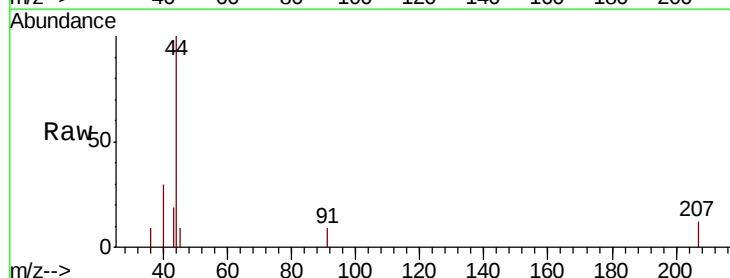
Acq: 27 Dec 2018 17:09

Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

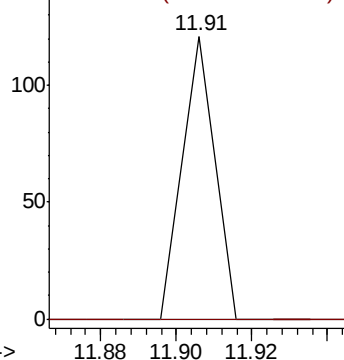
91 100

126 0.0 16.0 47.9#

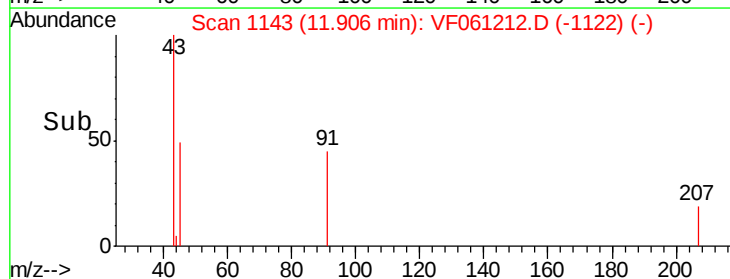


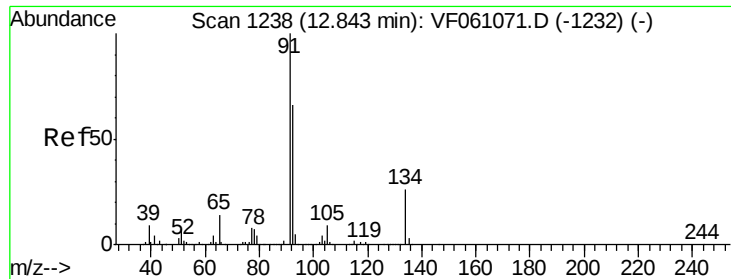
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#89

n-Butylbenzene

Concen: 14.030 ug/l

RT: 12.82 min Scan# 1236

Delta R.T. -0.02 min

Lab File: VF061212.D

Acq: 27 Dec 2018 17:09

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1824-01RE

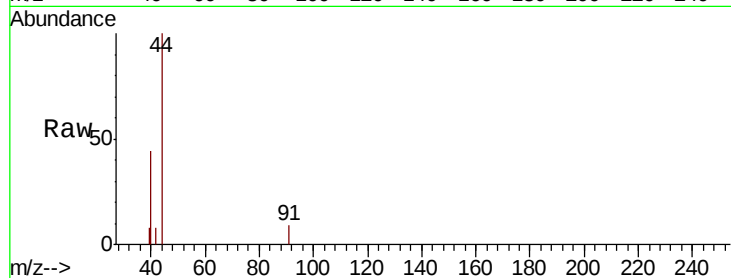
Tot Ion: 91 Resp: 79

Ion Ratio Lower Upper

91 100

92 0.0 32.8 98.4#

134 0.0 13.2 39.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

