

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
 Data File : VF059425.D
 Acq On : 3 Jul 2018 21:15
 Operator : VA/AP
 Sample : J3845-09
 Misc : 5.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-5

Quant Time: Jul 04 00:15:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	3829	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	3512	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	2138	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	384	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.97	65	458	9.26	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	18.52%	
35) Dibromofluoromethane	4.24	113	746	29.07	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	58.14%	
50) Toluene-d8	7.67	98	3079	48.46	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.48	95	616	17.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	34.38%	

Target Compounds					Qvalue	
3) Chloromethane	1.08	50	169	7.191	ug/l #	41
5) Bromomethane	1.30	94	77	Below Cal	#	4
6) Chloroethane	1.25	64	63	5.407	ug/l #	45
7) Trichlorofluoromethane	1.49	101	67	1.465	ug/l #	16
11) Tert butyl alcohol	2.74	59	146	44.331	ug/l #	66
12) 1,1-Dichloroethene	1.90	96	132	5.847	ug/l #	1
14) Allyl chloride	2.11	41	60	1.416	ug/l #	1
15) Acrylonitrile	2.92	53	62	10.690	ug/l #	9
16) Acetone	2.33	43	67	Below Cal	#	65
18) Methyl Acetate	2.45	43	213	8.575	ug/l #	61
21) trans-1,2-Dichloroethene	2.36	96	64	2.658	ug/l #	1
23) Vinyl Acetate	3.26	43	61	1.021	ug/l #	79
25) 2-Butanone	4.45	43	70	1.952	ug/l #	59
26) 2,2-Dichloropropane	3.70	77	210	5.233	ug/l #	62
28) Bromochloromethane	3.77	49	66	Below Cal	#	6
29) Tetrahydrofuran	4.21	42	64	1.244	ug/l #	36
31) Cyclohexane	3.88	56	90	2.361	ug/l #	13
36) 1,1-Dichloropropene	4.34	75	92	2.999	ug/l #	44
37) Ethyl Acetate	4.29	43	67	1.992	ug/l #	26
38) Carbon Tetrachloride	4.07	117	66	1.705	ug/l #	10
39) Methylcyclohexane	5.49	83	68	2.501	ug/l #	15
40) Benzene	4.66	78	80	1.176	ug/l #	51
41) Methacrylonitrile	4.89	41	115	10.989	ug/l #	26
43) Isopropyl Acetate	7.06	43	267	10.448	ug/l #	52
44) Trichloroethene	5.59	130	69	2.957	ug/l	1
45) 1,2-Dichloropropane	6.29	63	79	4.065	ug/l #	43
46) Dibromomethane	6.24	93	80	4.743	ug/l #	4
47) Bromodichloromethane	6.36	83	60	1.469	ug/l #	26
48) Methyl methacrylate	6.84	41	182	10.626	ug/l #	11
49) 1,4-Dioxane	6.96	88	65	698.443	ug/l #	20
51) 4-Methyl-2-Pentanone	8.39	43	94	4.965	ug/l #	39
52) Toluene	7.85	92	62	1.218	ug/l #	1
56) Ethyl methacrylate	8.78	69	65	2.655	ug/l #	25
57) 1,3-Dichloropropane	8.82	76	76	2.242	ug/l #	44

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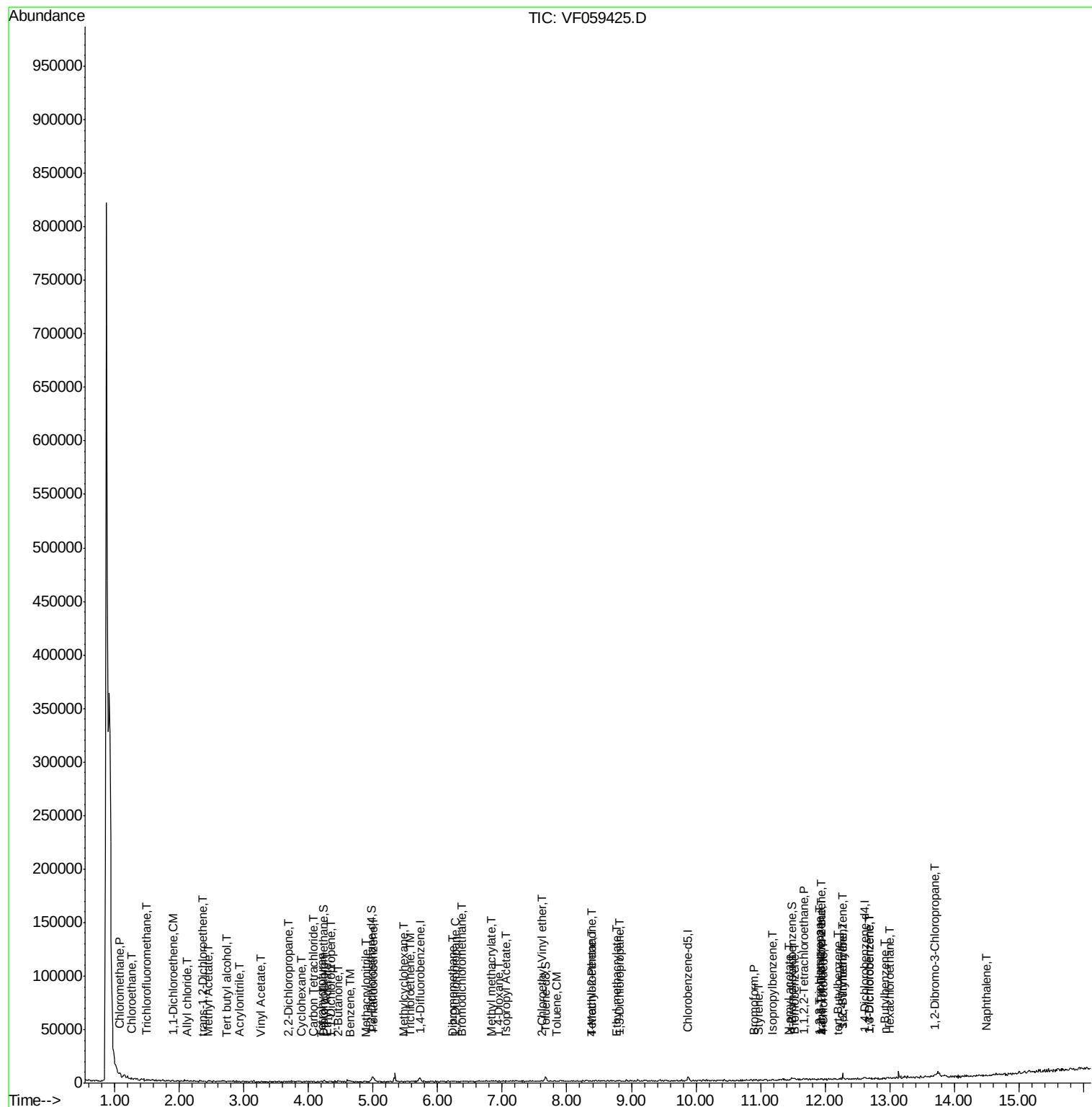
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 2-Chloroethyl Vinyl ether	7.62	63	60	32.677	ug/l	100
59) 2-Hexanone	9.55	43	118	Below Cal	#	30
64) Tetrachloroethene	8.38	164	63	4.543	ug/l #	1
70) Styrene	10.96	104	67	1.644	ug/l #	29
71) Bromoform	10.89	173	68	5.790	ug/l #	28
73) Isopropylbenzene	11.20	105	78	3.487	ug/l #	51
74) N-amyl acetate	11.44	43	126	15.521	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.66	83	64	11.328	ug/l #	24
76) 1,2,3-Trichloropropane	11.91	75	147	34.492	ug/l #	24
77) Bromobenzene	11.53	156	65	10.473	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.94	105	131	6.685	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.95	75	76	29.962	ug/l #	14
82) 4-Chlorotoluene	11.97	91	90	5.119	ug/l #	38
83) tert-Butylbenzene	12.19	119	59	3.010	ug/l #	31
84) 1,2,4-Trimethylbenzene	12.28	105	73	3.537	ug/l #	31
85) sec-Butylbenzene	12.28	105	73	2.810	ug/l #	58
87) 1,3-Dichlorobenzene	12.69	146	67	2.135	ug/l #	23
88) 1,4-Dichlorobenzene	12.69	146	67	6.045	ug/l #	24
89) n-Butylbenzene	12.92	91	60	2.711	ug/l #	1
90) Hexachloroethane	12.99	117	75	13.802	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.70	75	60	47.906	ug/l #	1
95) Naphthalene	14.51	128	83	4.761	ug/l #	69

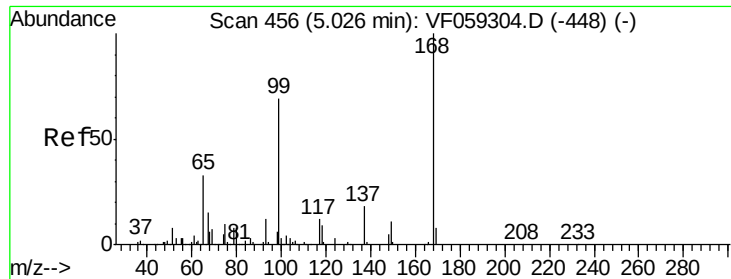
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

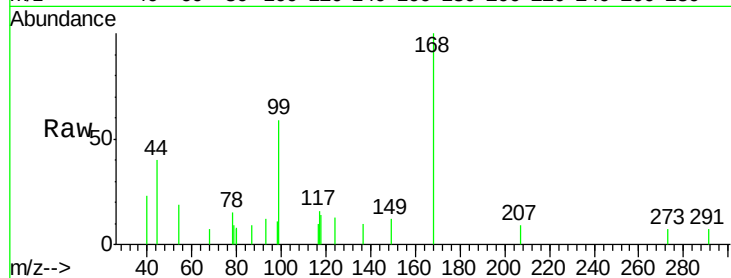
GF-G-5

Tgt Ion:168 Resp: 3829

Ion Ratio Lower Upper

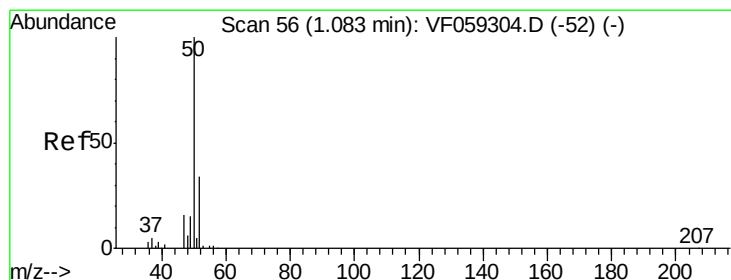
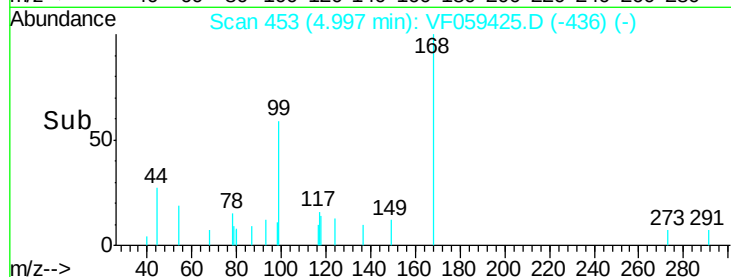
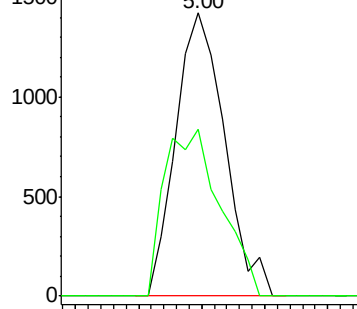
168 100

99 59.1 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 7.191 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059425.D

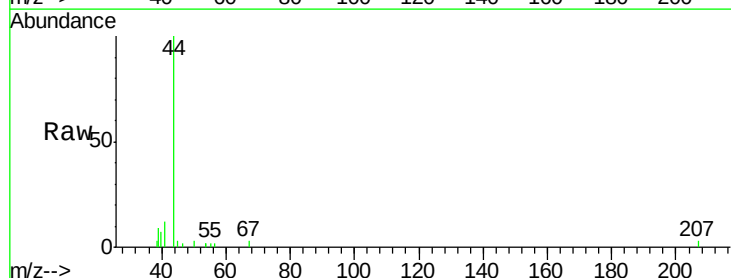
Acq: 3 Jul 2018 21:15

Tgt Ion: 50 Resp: 169

Ion Ratio Lower Upper

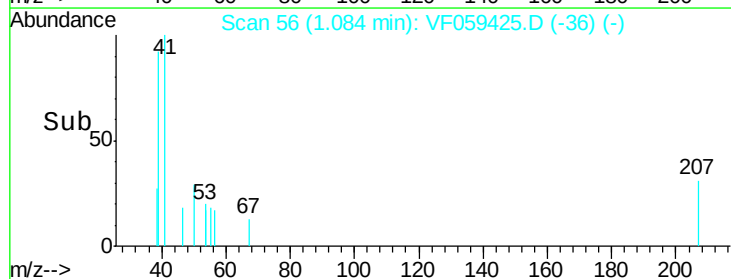
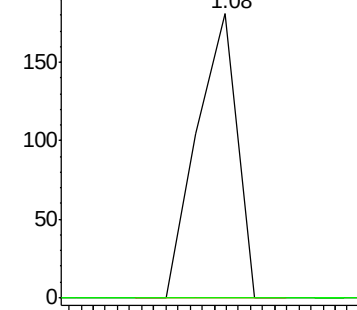
50 100

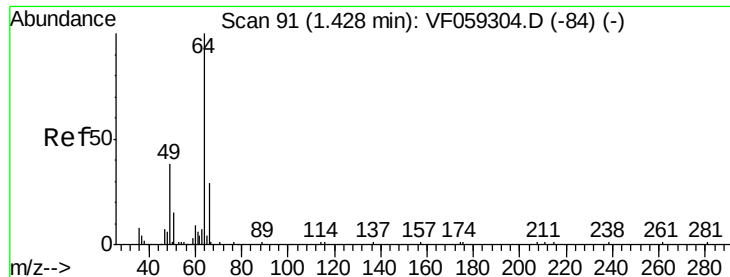
52 0.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#6

Chloroethane

Concen: 5.407 ug/l

RT: 1.25 min Scan# 73

Delta R.T. -0.18 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

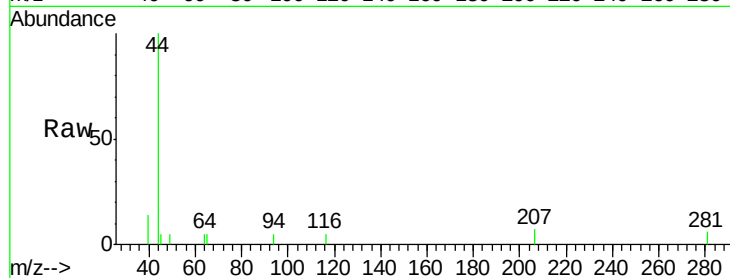
GF-G-5

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

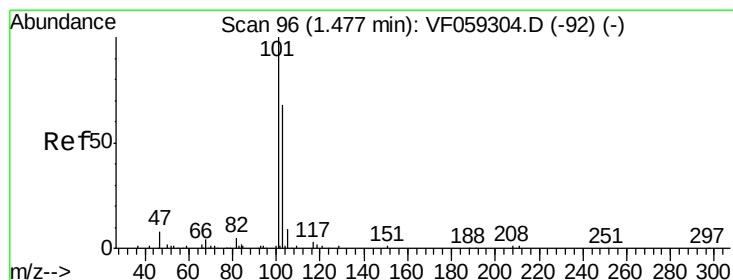
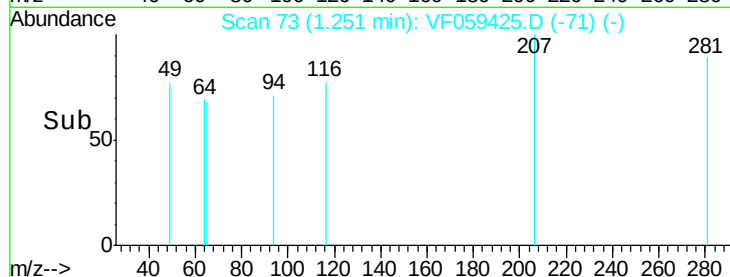
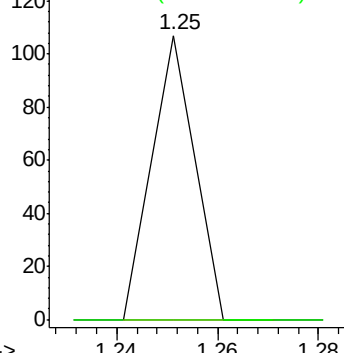
64 100

66 0.0 23.9 35.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#7

Trichlorofluoromethane

Concen: 1.465 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.01 min

Lab File: VF059425.D

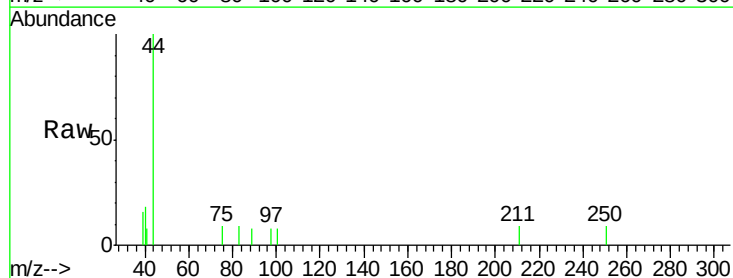
Acq: 3 Jul 2018 21:15

Tgt Ion: 101 Resp: 67

Ion Ratio Lower Upper

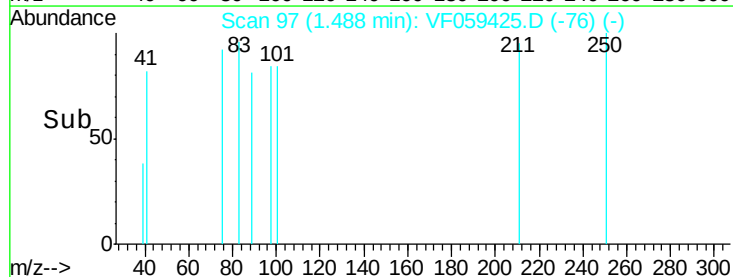
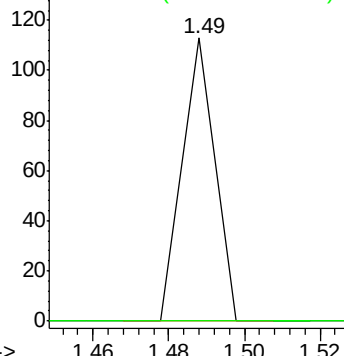
101 100

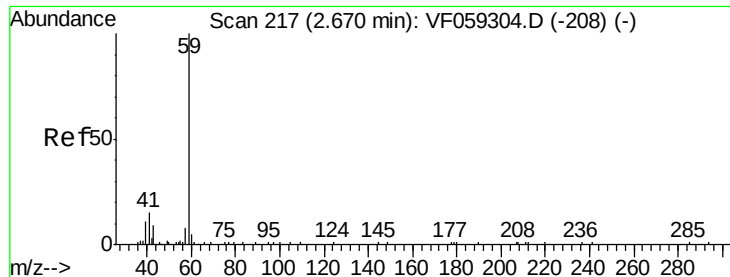
103 0.0 54.2 81.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

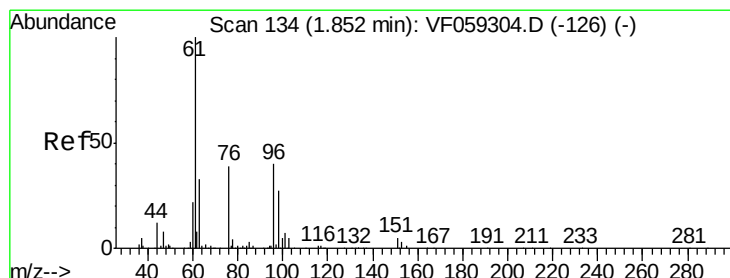
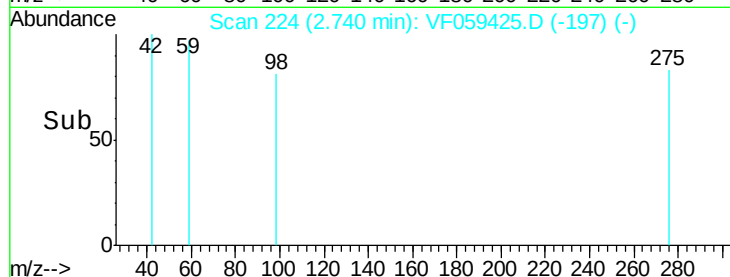
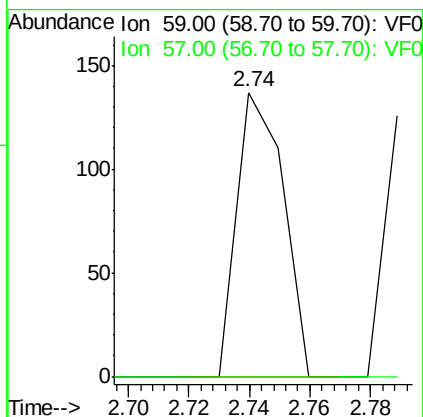
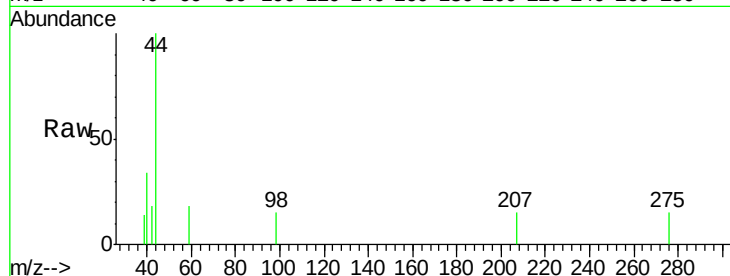




#11
Tert butyl alcohol
Concen: 44.331 ug/l
RT: 2.74 min Scan# 224
Delta R.T. 0.07 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

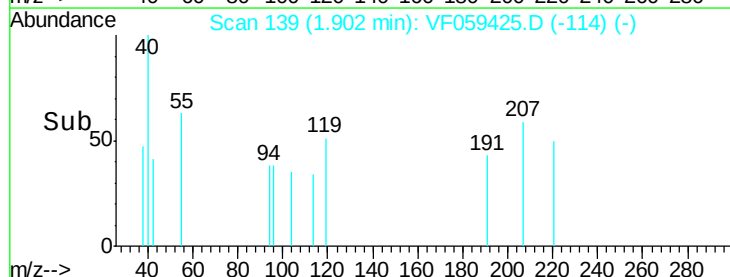
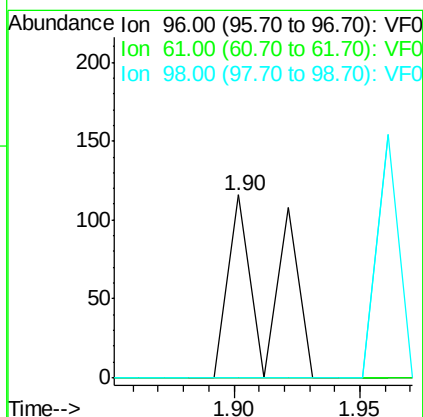
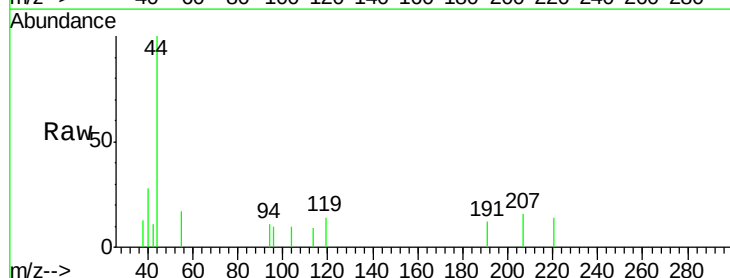
Instrument :
MSVOA_F
ClientSampled :
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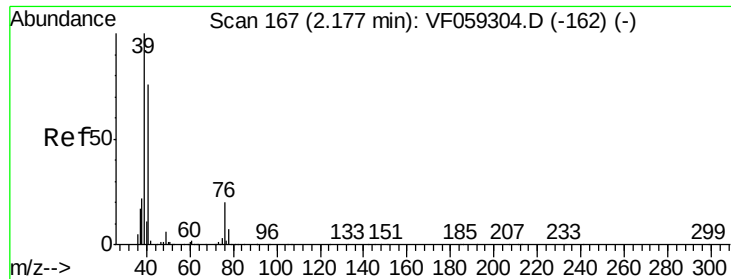
Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 11.0 16.4#



#12
1,1-Dichloroethene
Concen: 5.847 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.05 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Tgt Ion: 96 Resp: 132
Ion Ratio Lower Upper
96 100
61 0.0 201.1 301.7#
98 0.0 53.9 80.9#

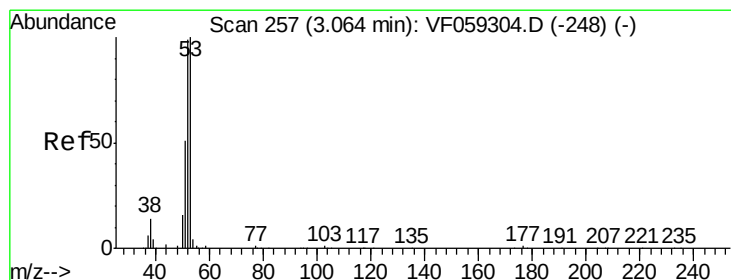
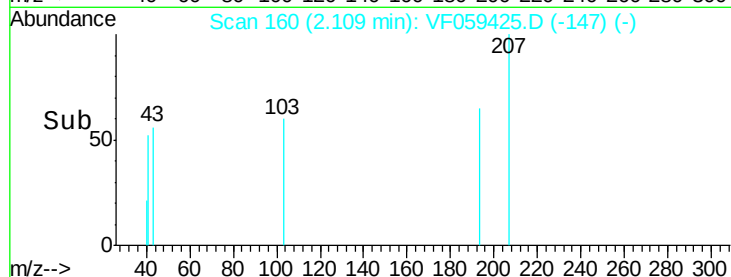
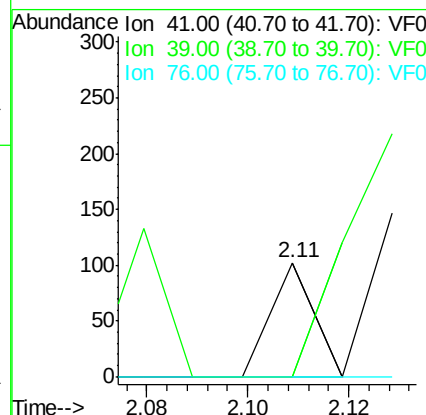
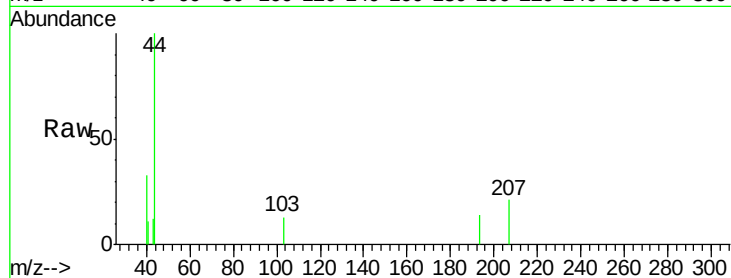




#14
 Allyl chloride
 Concen: 1.416 ug/l
 RT: 2.11 min Scan# 160
 Delta R.T. -0.07 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

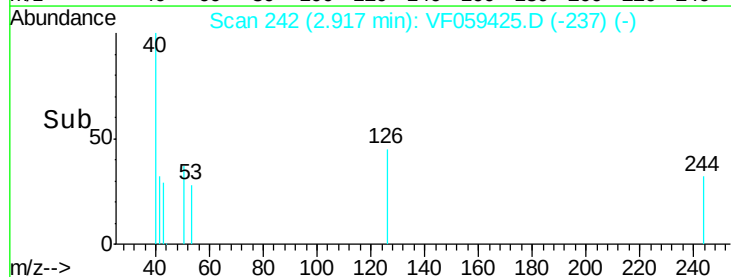
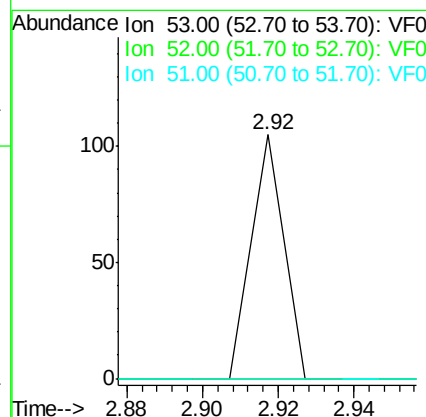
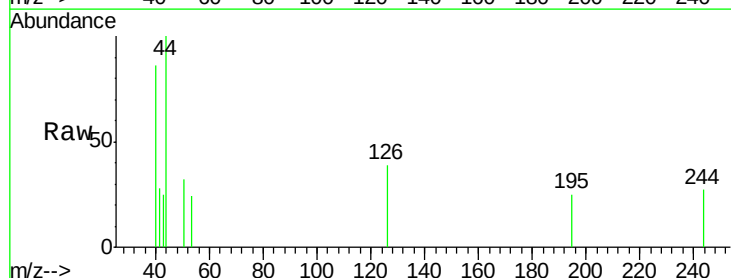
Instrument :
 MSVOA_F
 ClientSampled :
 GF-G-5

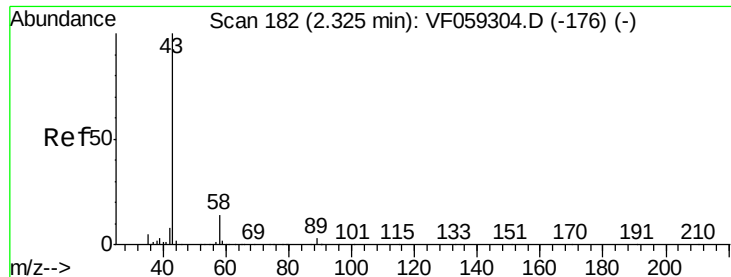
Tgt Ion: 41 Resp: 60
 Ion Ratio Lower Upper
 41 100
 39 0.0 105.6 158.4#
 76 0.0 21.6 32.4#



#15
 Acrylonitrile
 Concen: 10.690 ug/l
 RT: 2.92 min Scan# 242
 Delta R.T. -0.15 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Tgt Ion: 53 Resp: 62
 Ion Ratio Lower Upper
 53 100
 52 0.0 79.2 118.8#
 51 0.0 40.9 61.3#





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

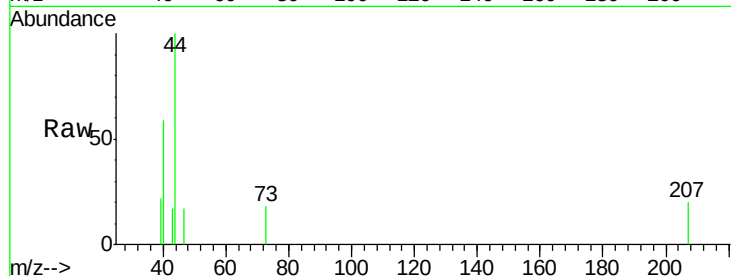
GF-G-5

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

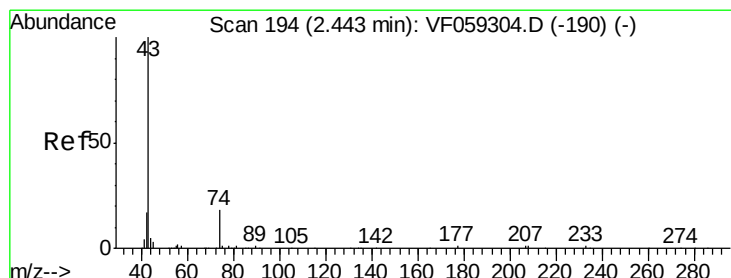
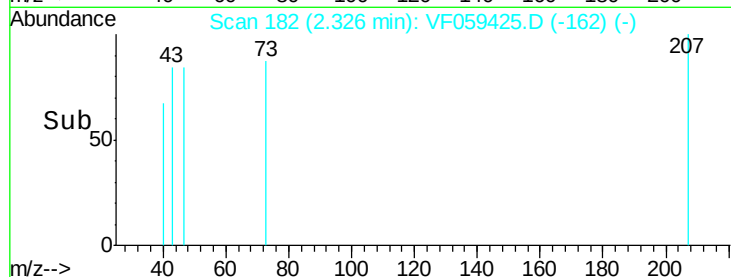
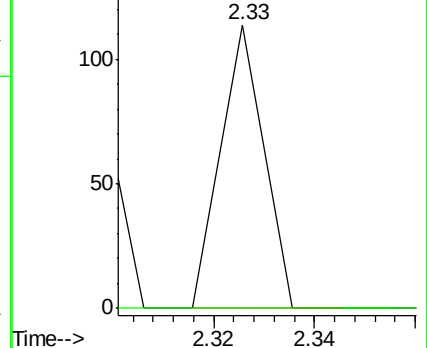
43 100

58 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 8.575 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059425.D

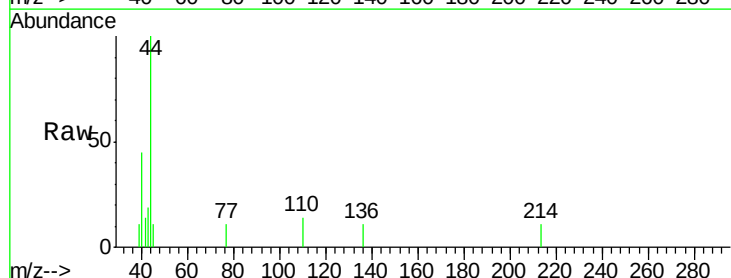
Acq: 3 Jul 2018 21:15

Tgt Ion: 43 Resp: 213

Ion Ratio Lower Upper

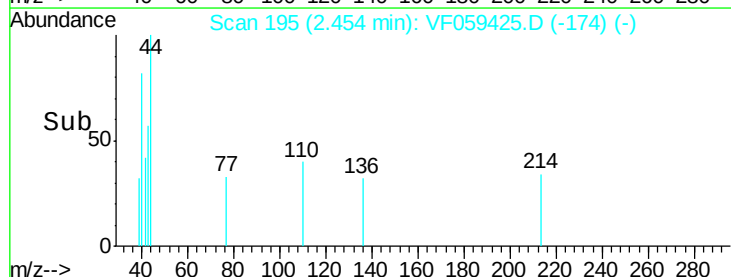
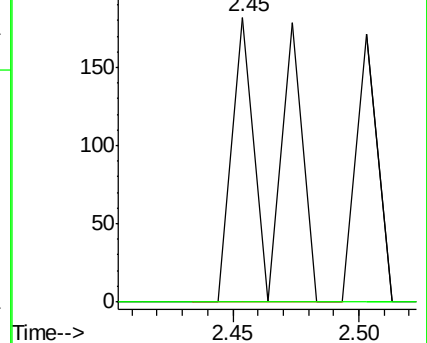
43 100

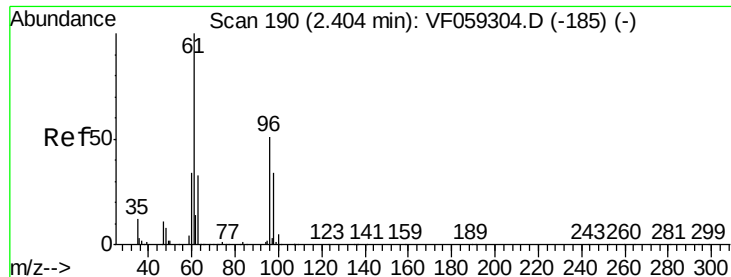
74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#21

trans-1,2-Dichloroethene

Concen: 2.658 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.05 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

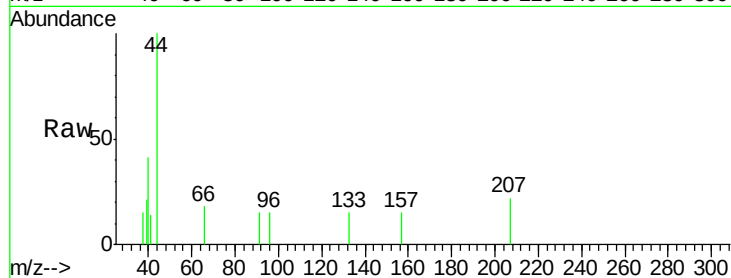
Instrument :

MSVOA_F

ClientSampled :

GF-G-5

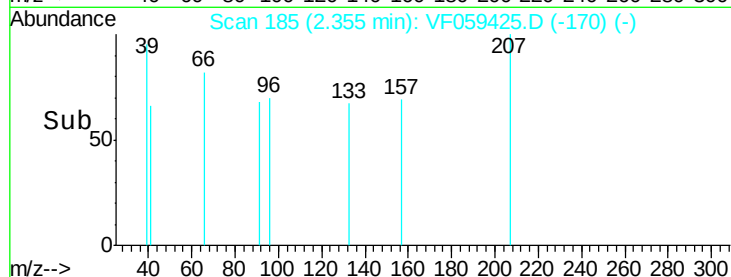
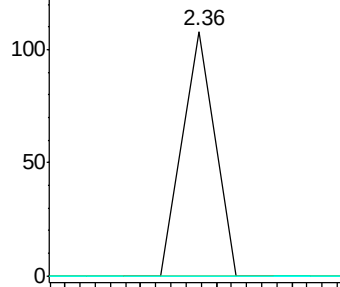
Tgt Ion:	96	Resp:	64
Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.2#
98	0.0	53.7	80.5#



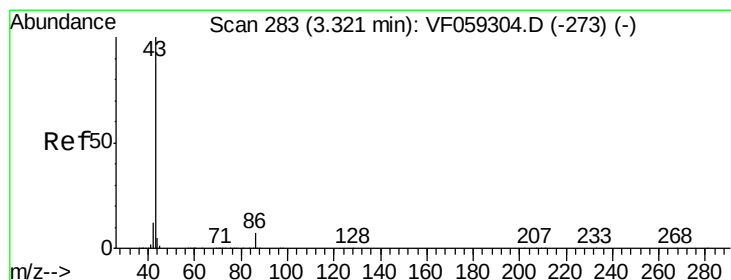
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#23

Vinyl Acetate

Concen: 1.021 ug/l

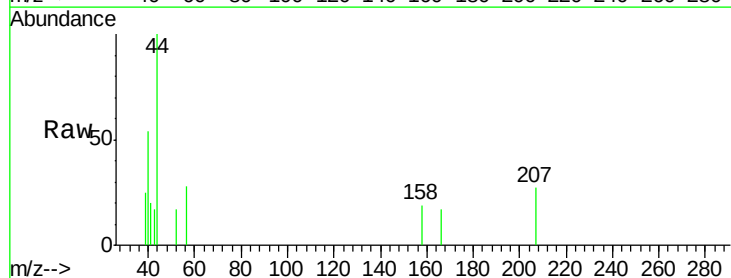
RT: 3.26 min Scan# 277

Delta R.T. -0.06 min

Lab File: VF059425.D

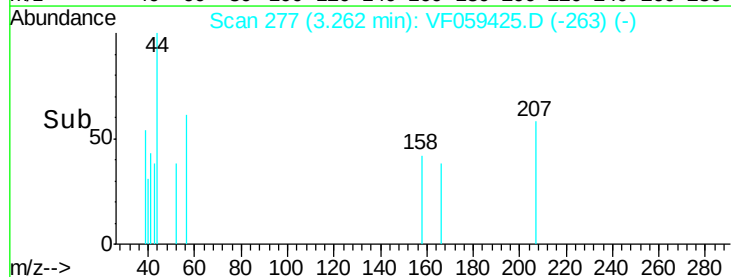
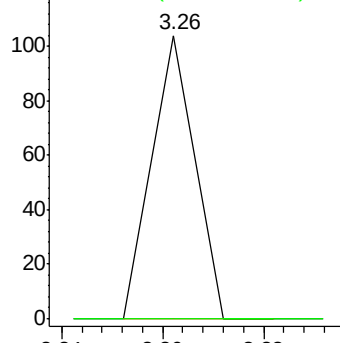
Acq: 3 Jul 2018 21:15

Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#

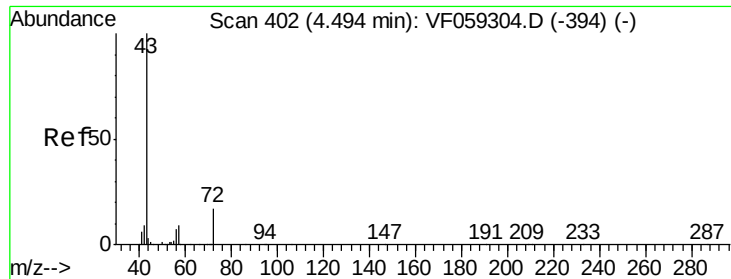


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#25

2-Butanone

Concen: 1.952 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.05 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

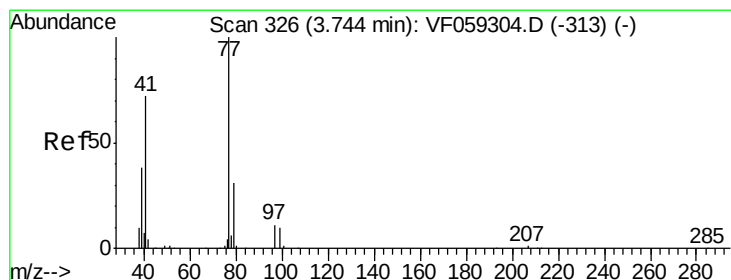
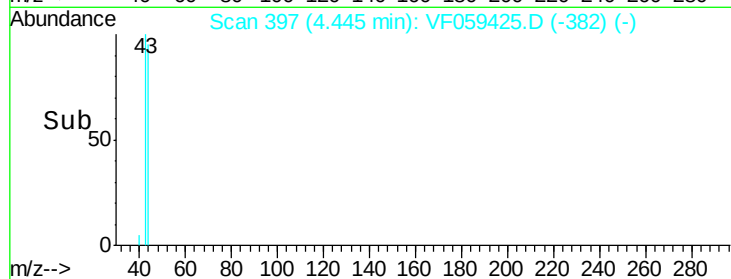
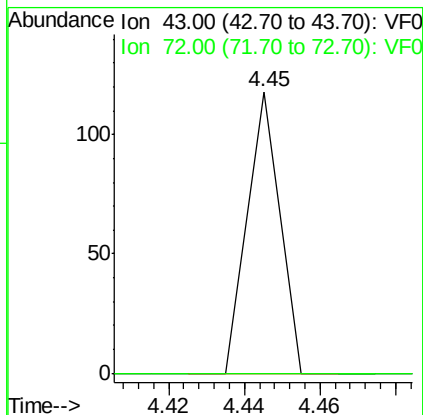
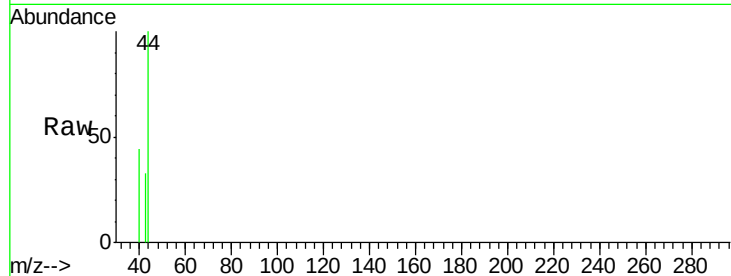
GF-G-5

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



#26

2,2-Dichloropropane

Concen: 5.233 ug/l

RT: 3.70 min Scan# 321

Delta R.T. -0.05 min

Lab File: VF059425.D

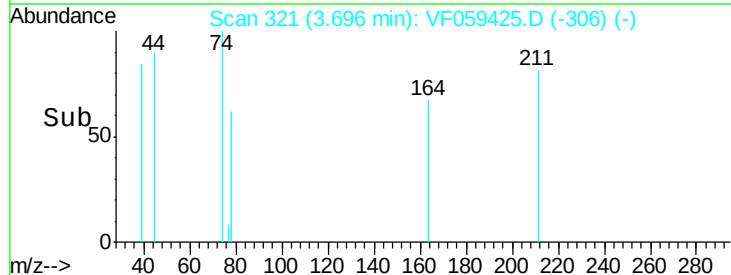
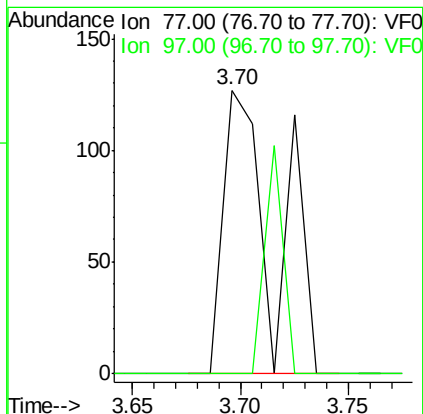
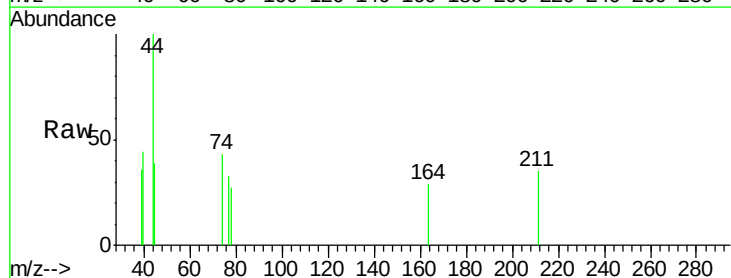
Acq: 3 Jul 2018 21:15

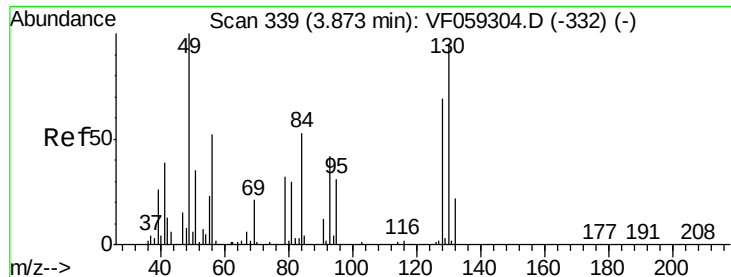
Tgt Ion: 77 Resp: 210

Ion Ratio Lower Upper

77 100

97 0.0 8.0 23.8#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.77 min Scan# 329

Delta R.T. -0.10 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

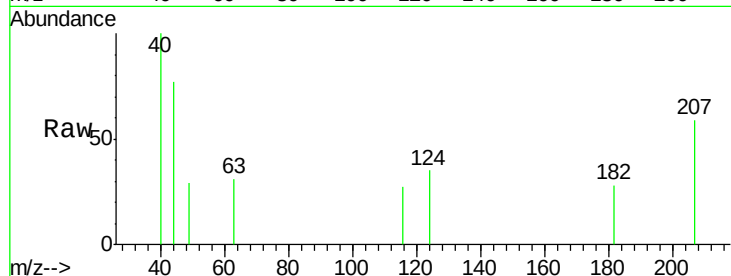
Tgt Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

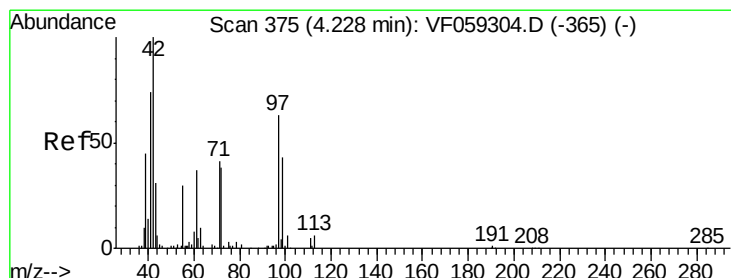
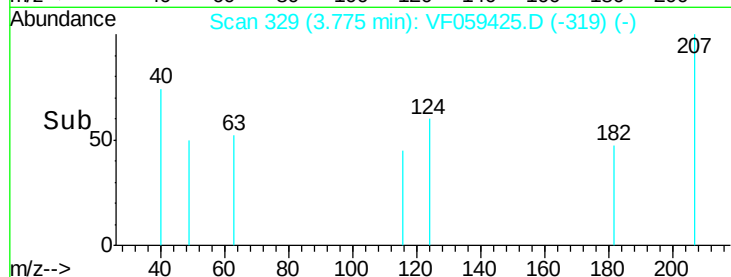
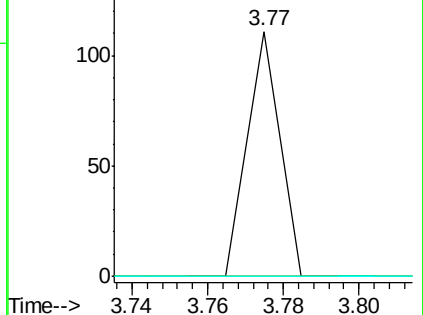
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



#29

Tetrahydrofuran

Concen: 1.244 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

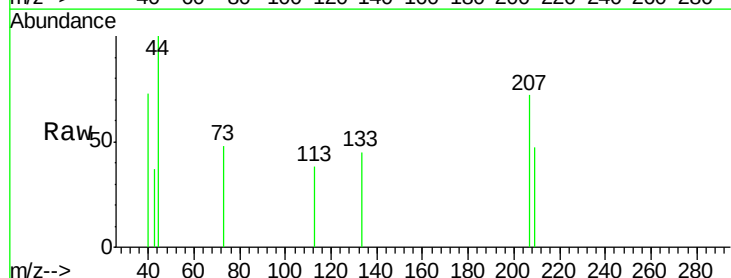
Tgt Ion: 42 Resp: 64

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

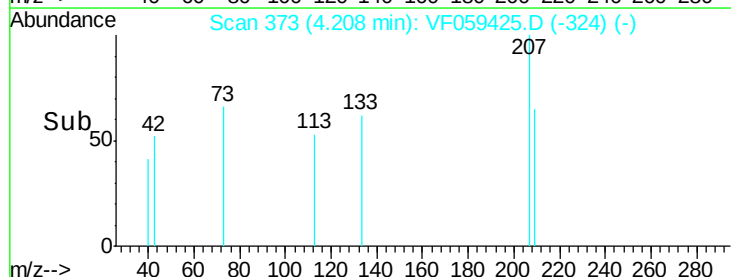
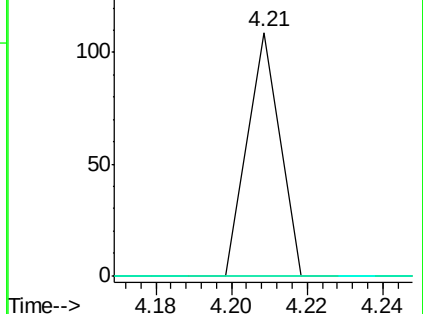
71 0.0 32.5 48.7#

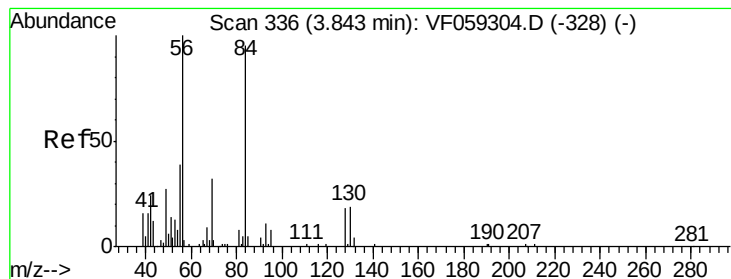


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#31

Cyclohexane

Concen: 2.361 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.04 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

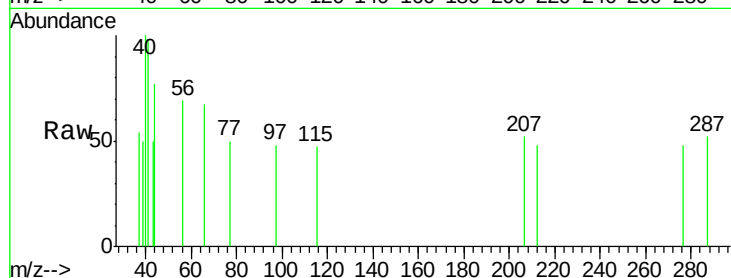
Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

69 0.0 25.8 38.8#

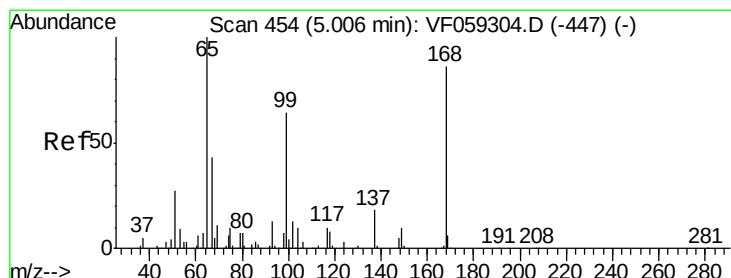
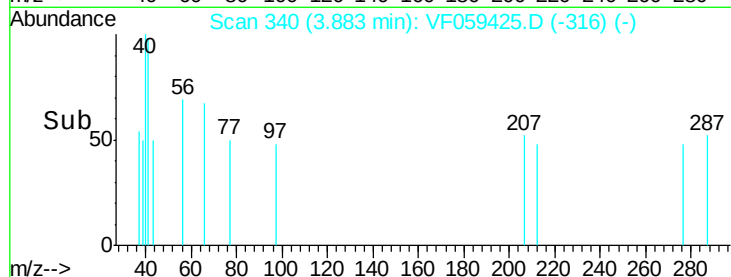
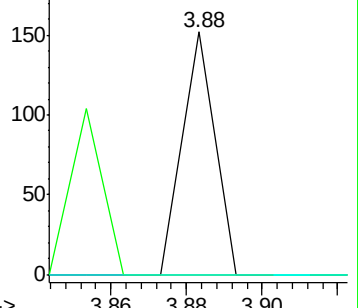
84 0.0 75.6 113.4#



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: 9.258 ug/l

RT: 4.97 min Scan# 450

Delta R.T. -0.04 min

Lab File: VF059425.D

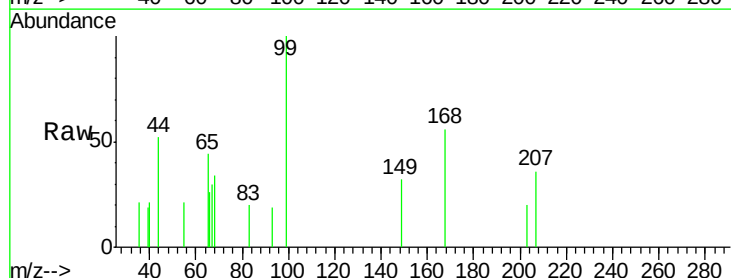
Acq: 3 Jul 2018 21:15

Tgt Ion: 65 Resp: 458

Ion Ratio Lower Upper

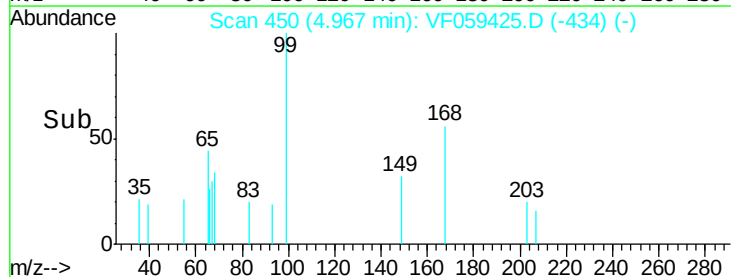
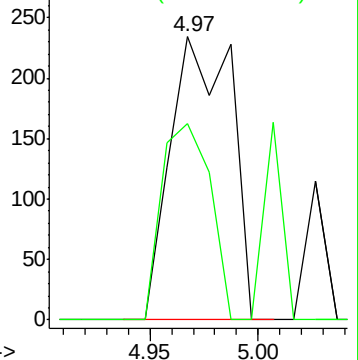
65 100

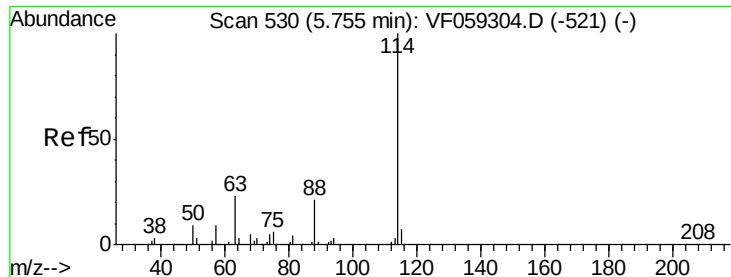
67 69.2 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

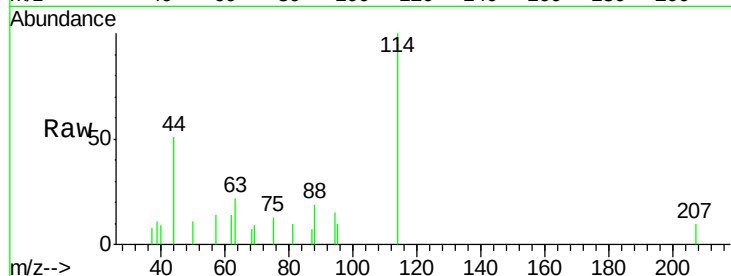
Tgt Ion:114 Resp: 3512

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.8

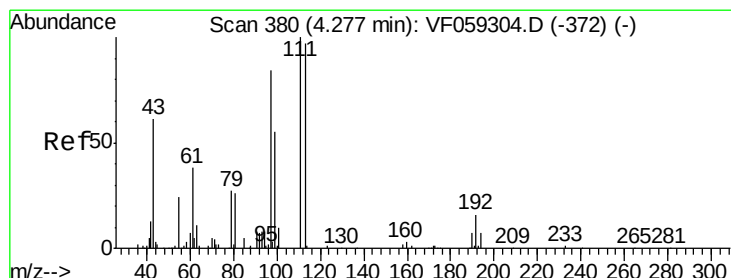
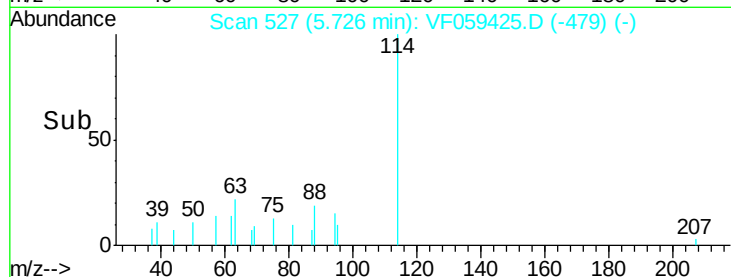
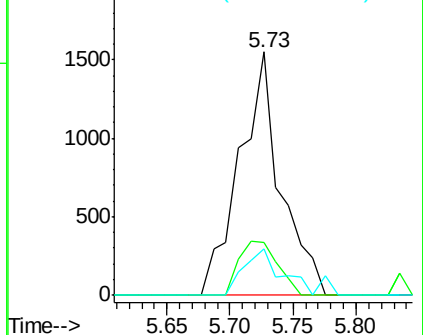
88 19.1 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 29.071 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.04 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

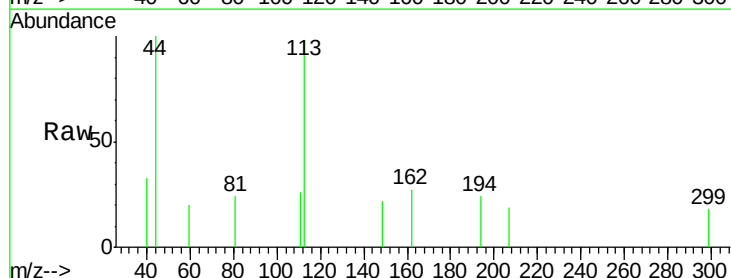
Tgt Ion:113 Resp: 746

Ion Ratio Lower Upper

113 100

111 26.2 82.1 123.1#

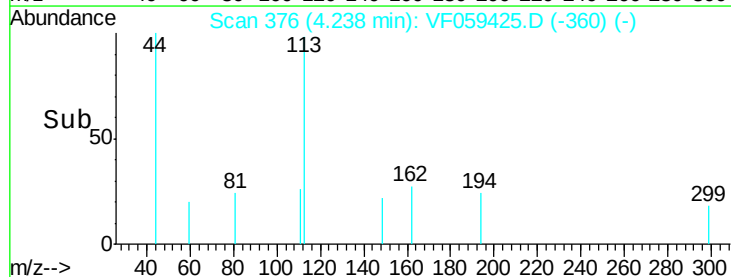
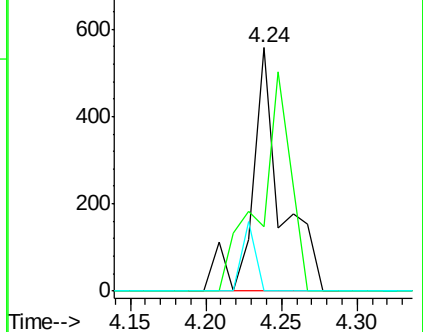
192 0.0 13.0 19.6#

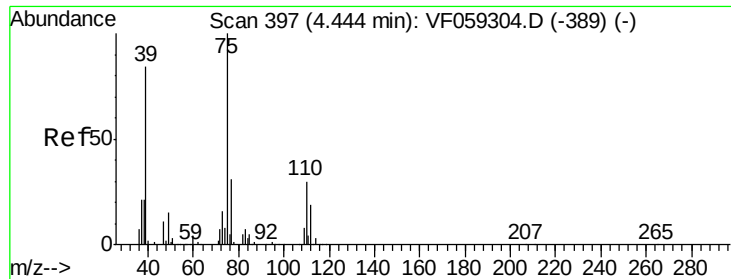


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

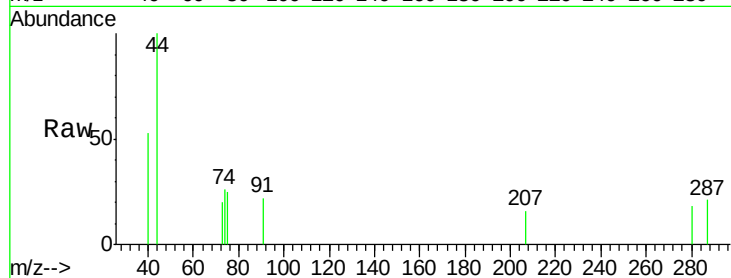




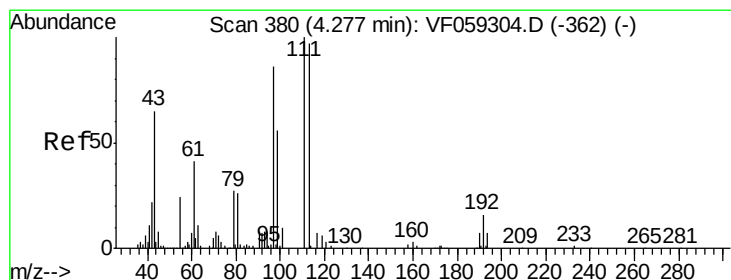
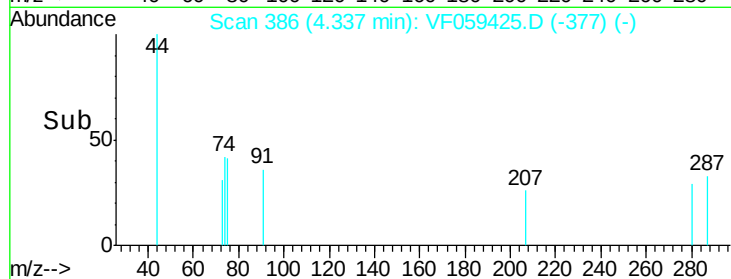
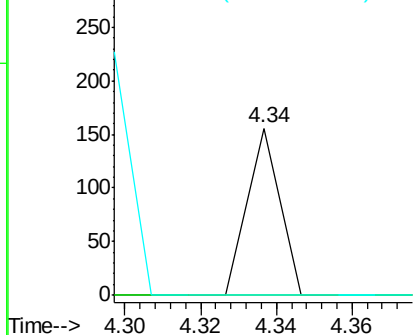
#36
 1,1-Dichloropropene
 Concen: 2.999 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. -0.11 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Instrument :
 MSVOA_F
 ClientSampled :
 GF-G-5

Tgt Ion: 75 Resp: 92
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.8 44.4#
 77 0.0 25.2 37.8#

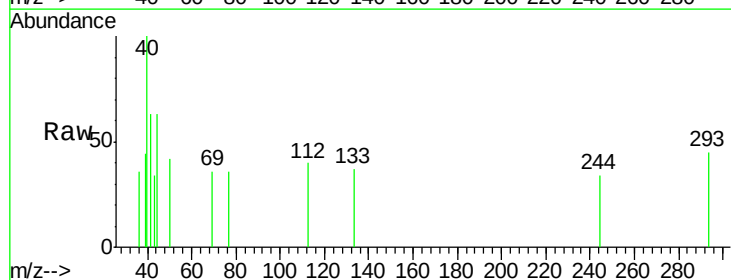


Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): VF0
 Ion 77.00 (76.70 to 77.70): VF0

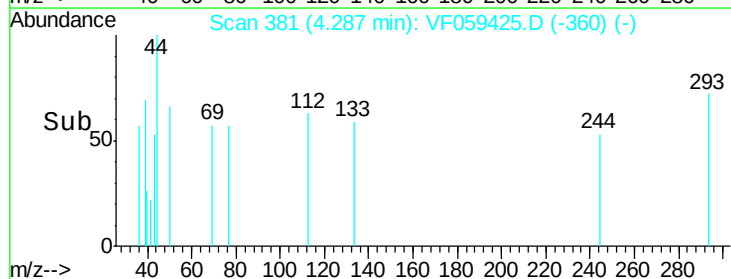
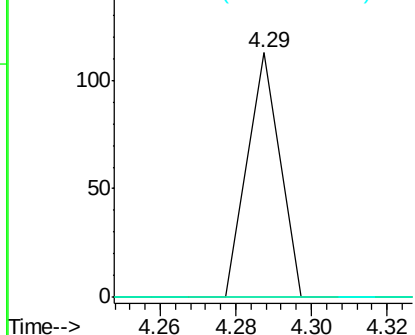


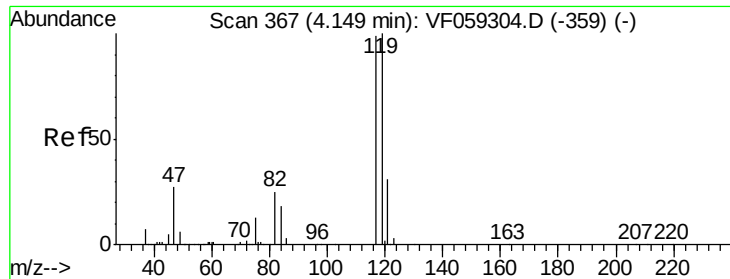
#37
 Ethyl Acetate
 Concen: 1.992 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 61 0.0 50.1 75.1#
 70 0.0 6.2 9.4#



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





#38

Carbon Tetrachloride

Concen: 1.705 ug/l

RT: 4.07 min Scan# 359

Delta R.T. -0.08 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

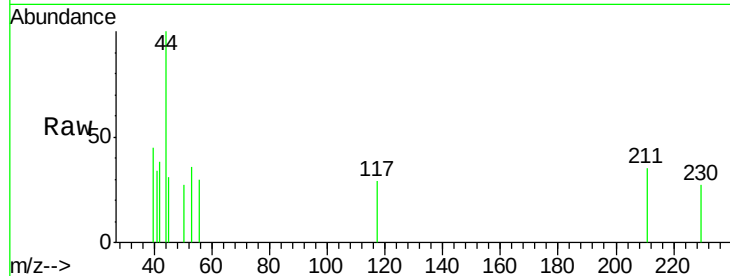
Tgt Ion: 117 Resp: 66

Ion Ratio Lower Upper

117 100

119 0.0 81.0 121.4#

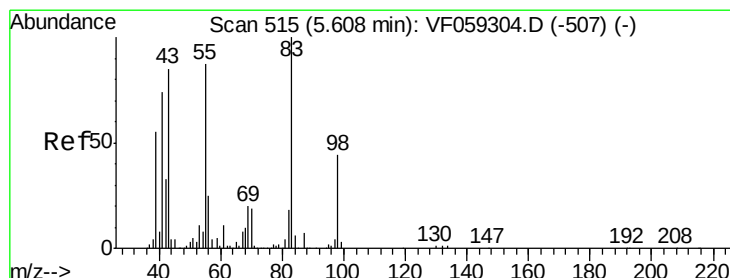
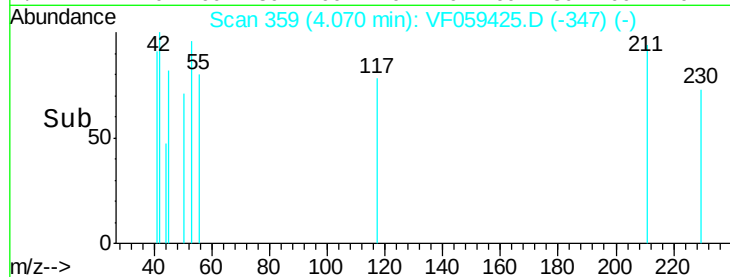
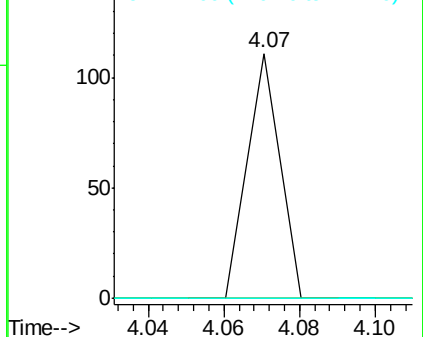
121 0.0 24.7 37.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 2.501 ug/l

RT: 5.49 min Scan# 503

Delta R.T. -0.12 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

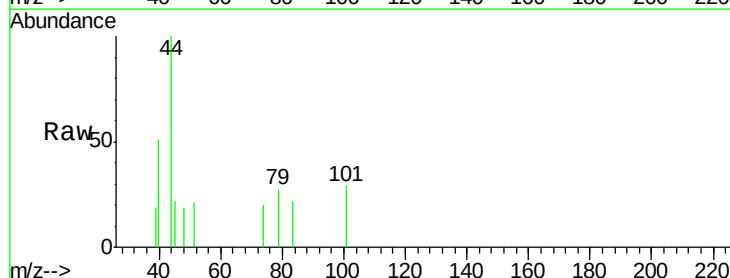
Tgt Ion: 83 Resp: 68

Ion Ratio Lower Upper

83 100

55 0.0 69.2 103.8#

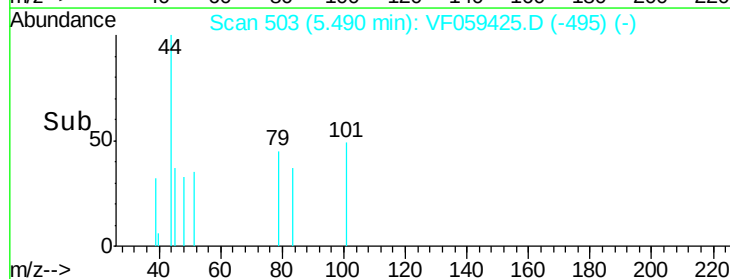
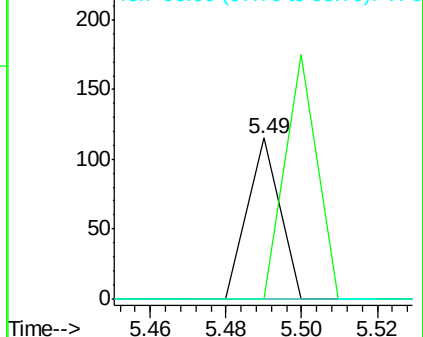
98 0.0 35.0 52.6#

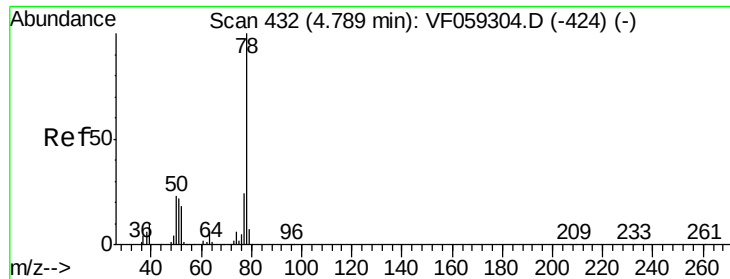


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 1.176 ug/l

RT: 4.66 min Scan# 419

Delta R.T. -0.13 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

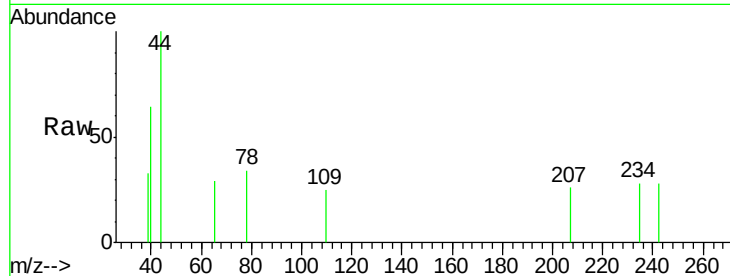
GF-G-5

Tgt Ion: 78 Resp: 80

Ion Ratio Lower Upper

78 100

77 0.0 19.6 29.4#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.66

150

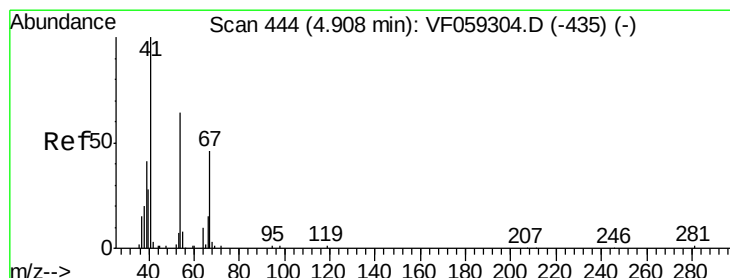
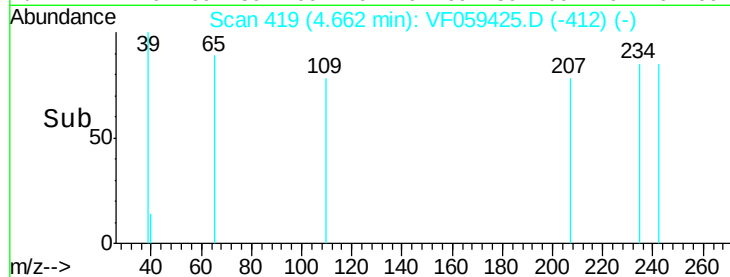
100

50

0

4.64 4.66 4.68

Time-->



#41

Methacrylonitrile

Concen: 10.989 ug/l

RT: 4.89 min Scan# 442

Delta R.T. -0.02 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Tgt Ion: 41 Resp: 115

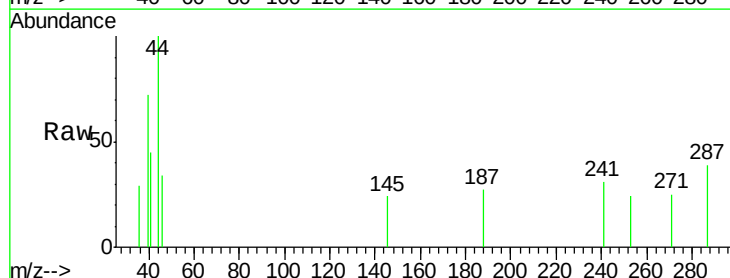
Ion Ratio Lower Upper

41 100

39 0.0 50.0 75.0#

67 0.0 37.0 55.6#

52 0.0 37.1 55.7#



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

300

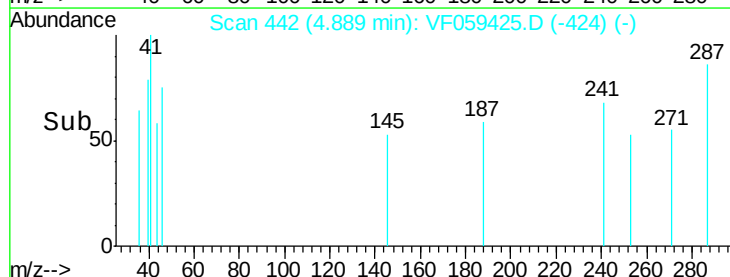
200

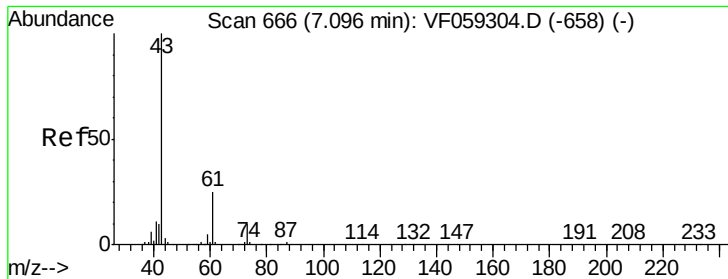
100

0

4.87 4.88 4.89 4.90

Time-->

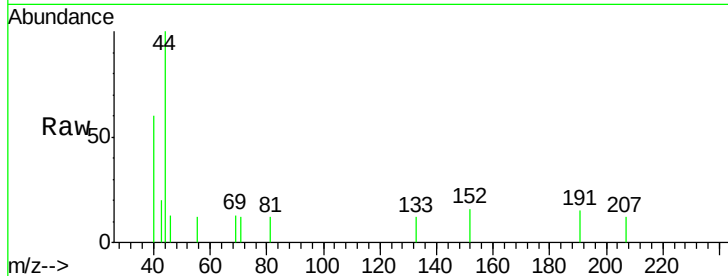




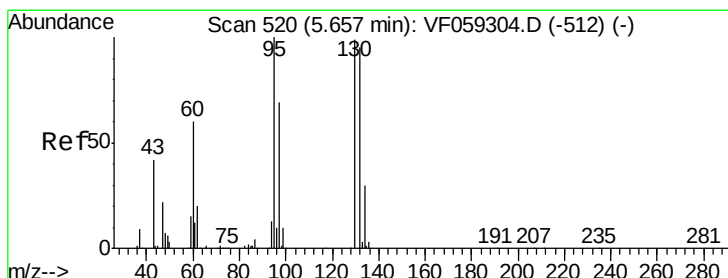
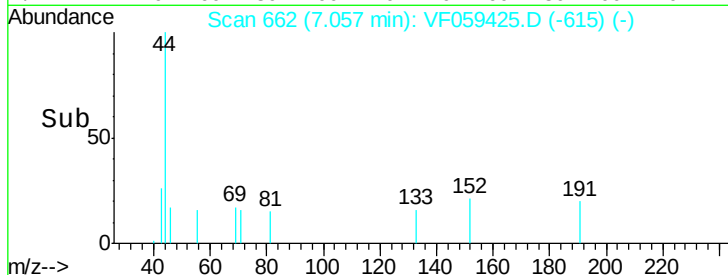
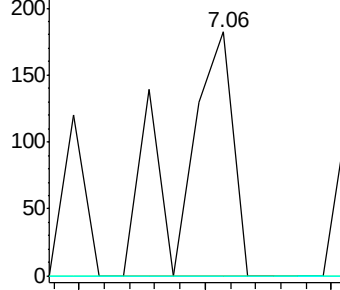
#43
Isopropyl Acetate
Concen: 10.448 ug/l
RT: 7.06 min Scan# 662
Delta R.T. -0.04 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Instrument :
MSVOA_F
ClientSampled :
GF-G-5

Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
61 0.0 19.7 29.5#
87 0.0 0.5 0.7#

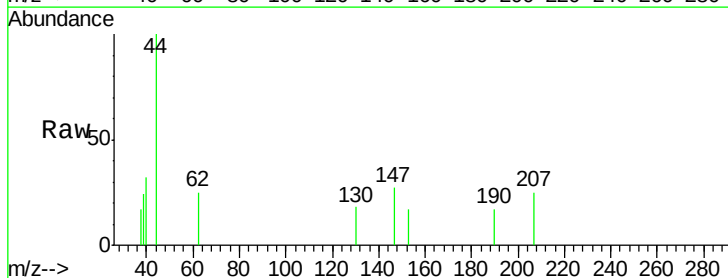


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

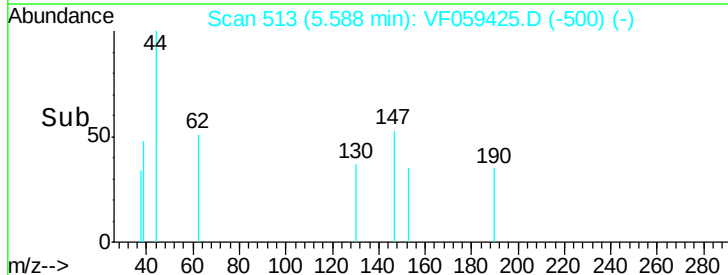
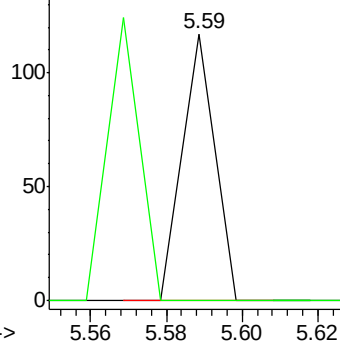


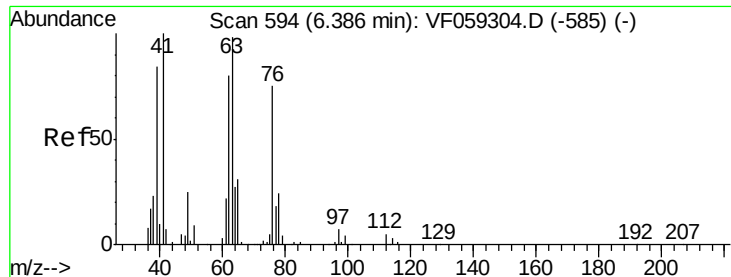
#44
Trichloroethene
Concen: 2.957 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.07 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Tgt Ion: 130 Resp: 69
Ion Ratio Lower Upper
130 100
95 0.0 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0

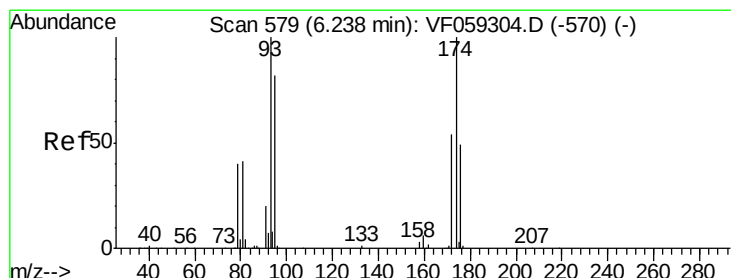
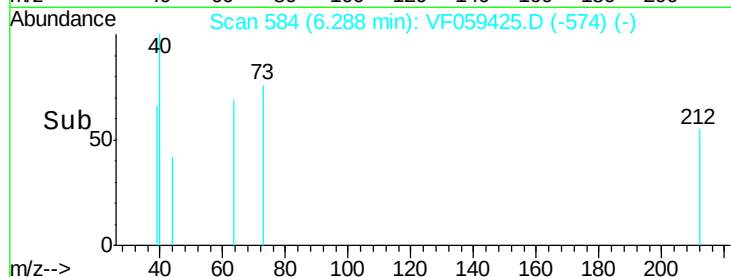
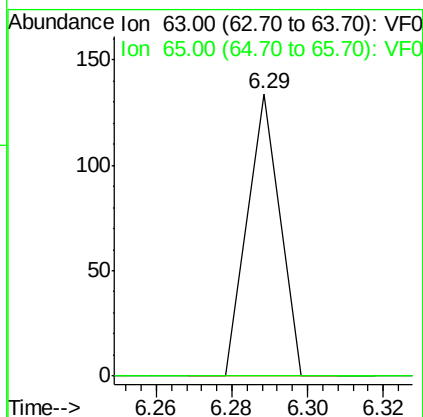
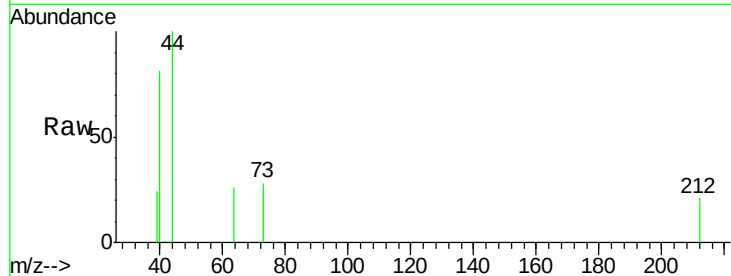




#45
 1,2-Dichloropropane
 Concen: 4.065 ug/l
 RT: 6.29 min Scan# 584
 Delta R.T. -0.10 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

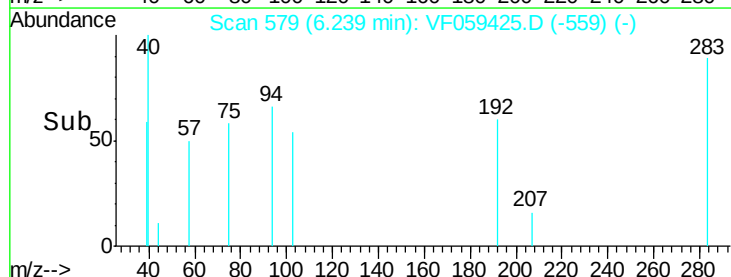
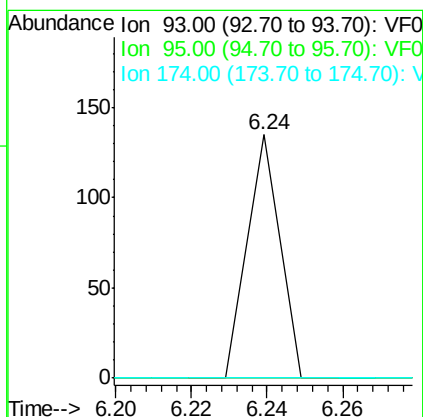
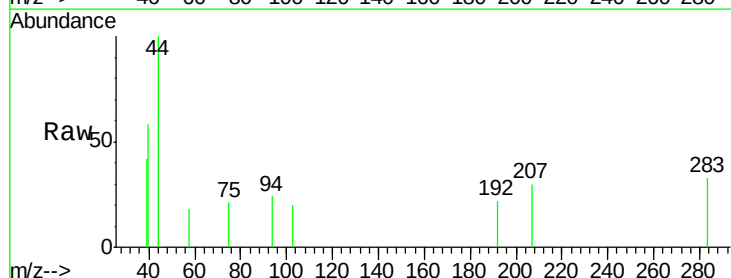
Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-5

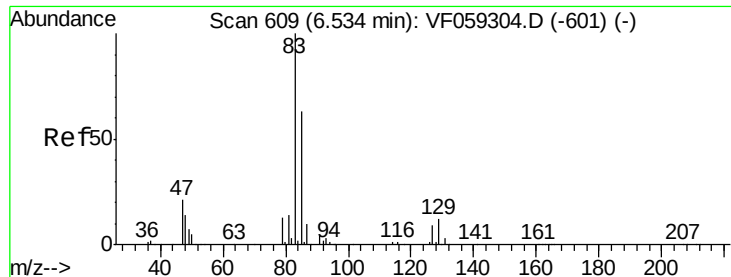
Tgt Ion: 63 Resp: 79
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.3 37.9#



#46
 Dibromomethane
 Concen: 4.743 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Tgt Ion: 93 Resp: 80
 Ion Ratio Lower Upper
 93 100
 95 0.0 65.6 98.4#
 174 0.0 80.0 120.0#





#47

Bromodichloromethane

Concen: 1.469 ug/l

RT: 6.36 min Scan# 591

Delta R.T. -0.18 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

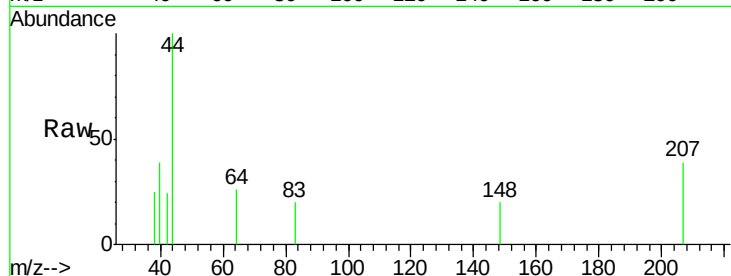
Tgt Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

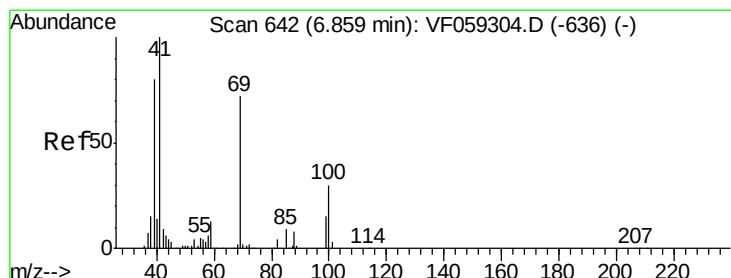
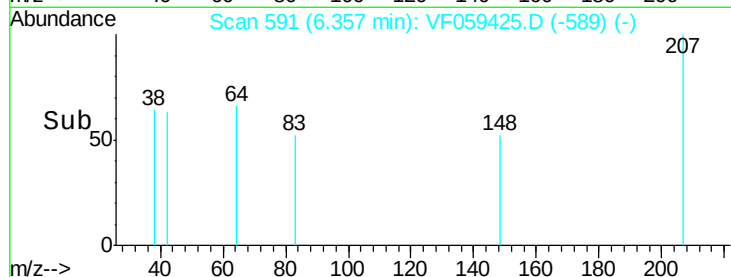
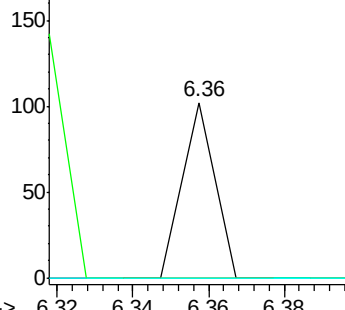
127 0.0 7.0 10.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 10.626 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

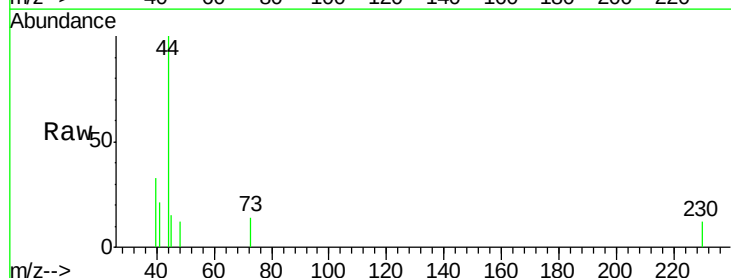
Tgt Ion: 41 Resp: 182

Ion Ratio Lower Upper

41 100

69 0.0 57.3 85.9#

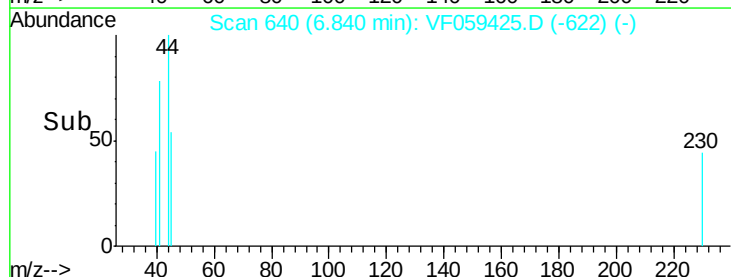
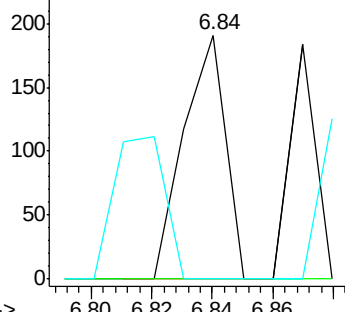
39 0.0 64.4 96.6#

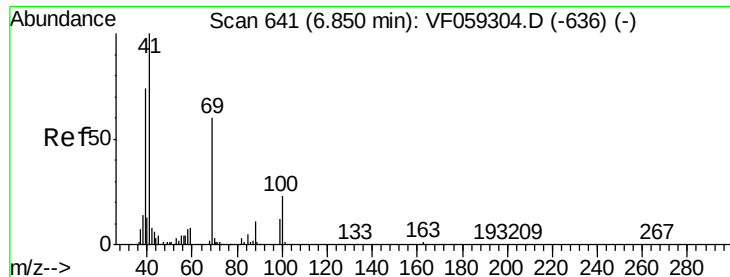


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 698.443 ug/l

RT: 6.96 min Scan# 652

Delta R.T. 0.11 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

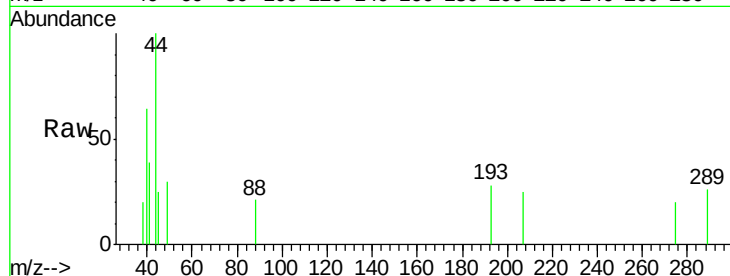
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

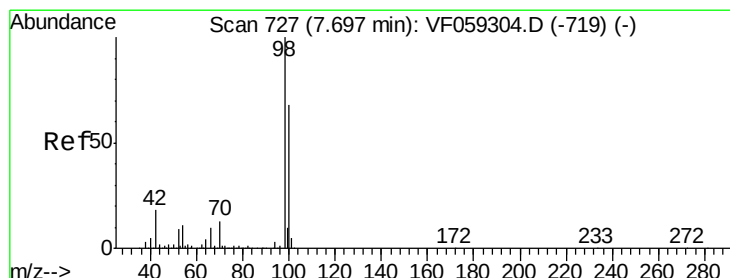
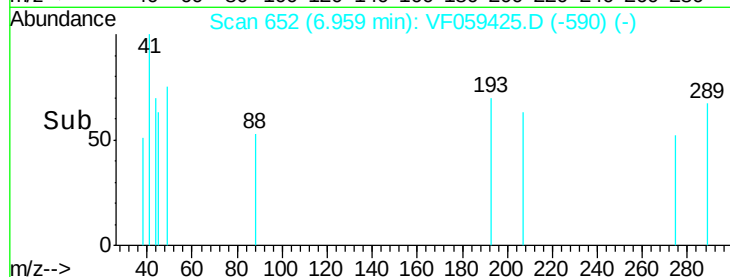
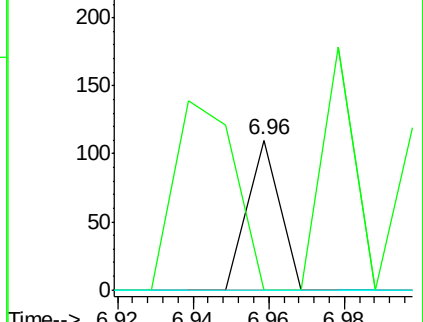
58 0.0 46.6 69.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.462 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.03 min

Lab File: VF059425.D

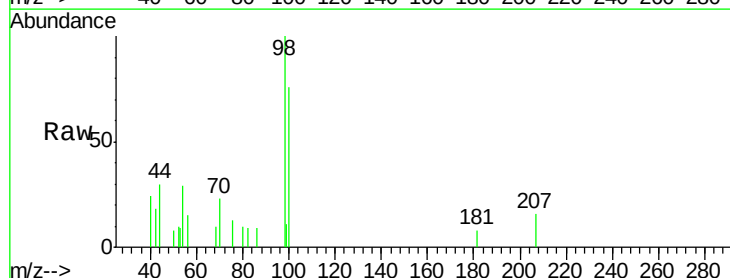
Acq: 3 Jul 2018 21:15

Tgt Ion: 98 Resp: 3079

Ion Ratio Lower Upper

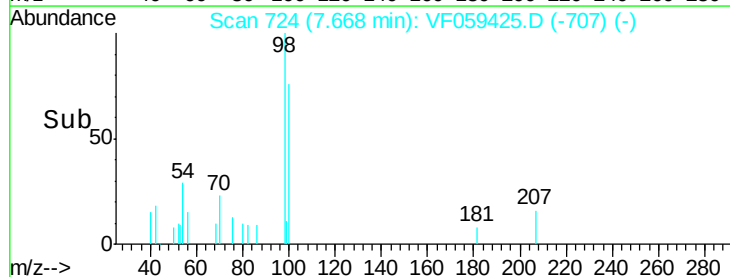
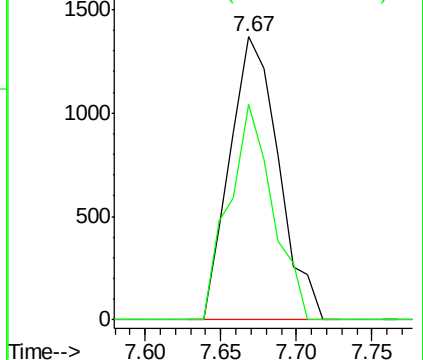
98 100

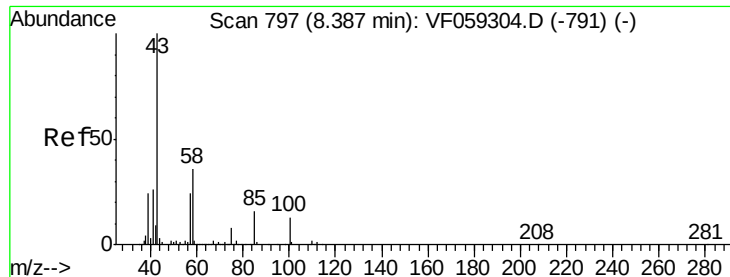
100 76.2 54.6 82.0



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: 4.965 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

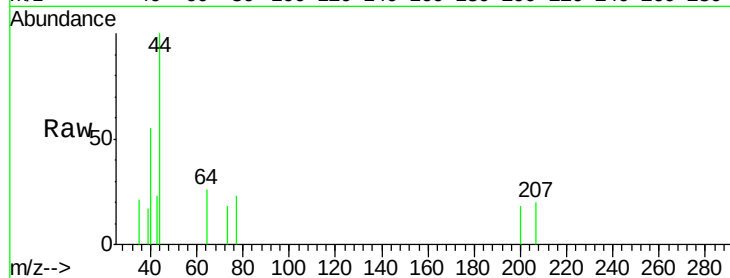
GF-G-5

Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

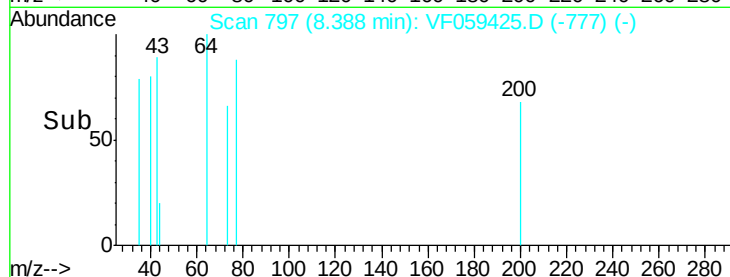
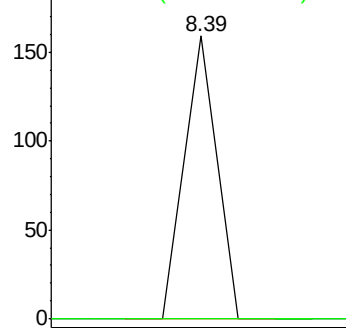
43 100

58 0.0 28.4 42.6#

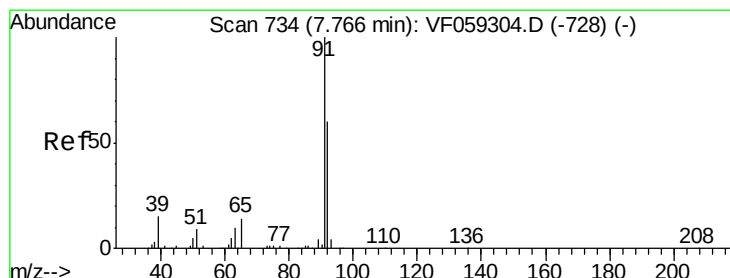


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 1.218 ug/l

RT: 7.85 min Scan# 742

Delta R.T. 0.08 min

Lab File: VF059425.D

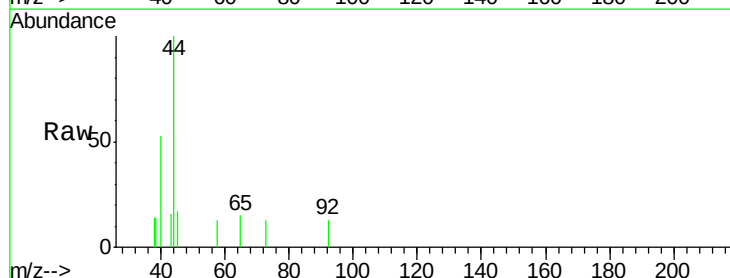
Acq: 3 Jul 2018 21:15

Tgt Ion: 92 Resp: 62

Ion Ratio Lower Upper

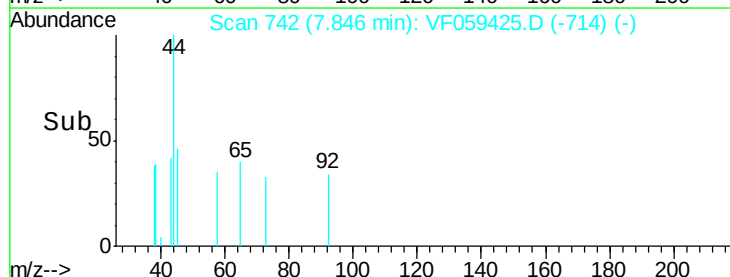
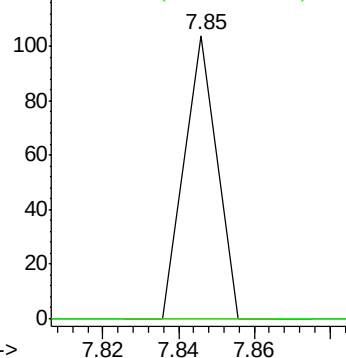
92 100

91 0.0 132.8 199.2#

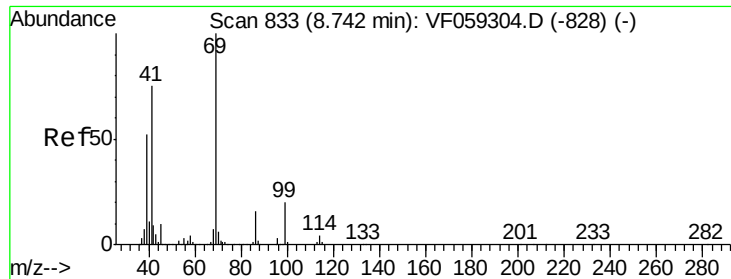


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#56

Ethyl methacrylate

Concen: 2.655 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.04 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

GF-G-5

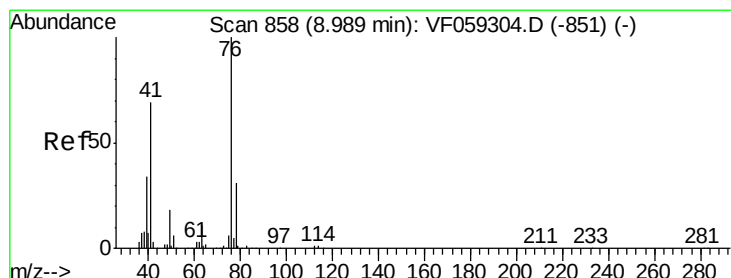
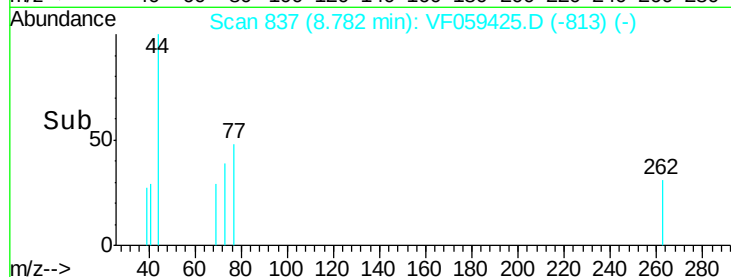
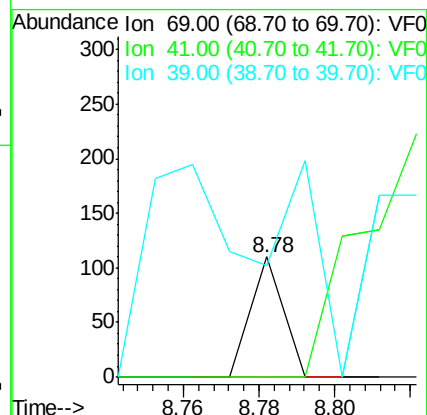
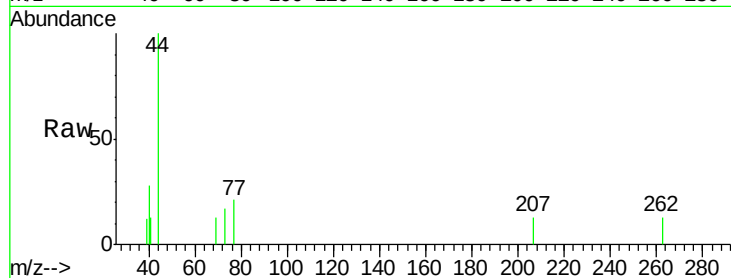
Tgt Ion: 69 Resp: 65

Ion Ratio Lower Upper

69 100

41 0.0 60.3 90.5#

39 92.7 42.2 63.4#



#57

1,3-Dichloropropane

Concen: 2.242 ug/l

RT: 8.82 min Scan# 841

Delta R.T. -0.17 min

Lab File: VF059425.D

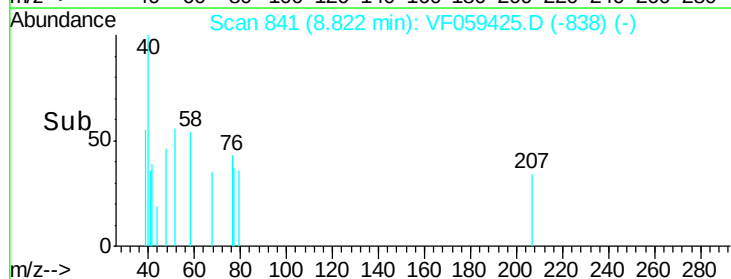
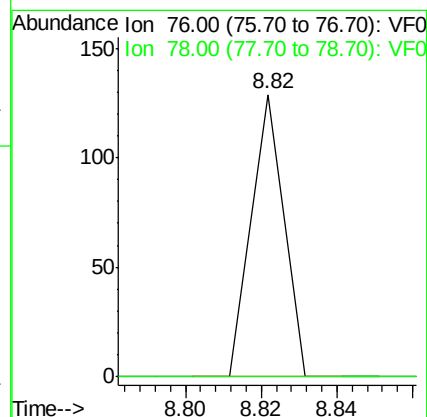
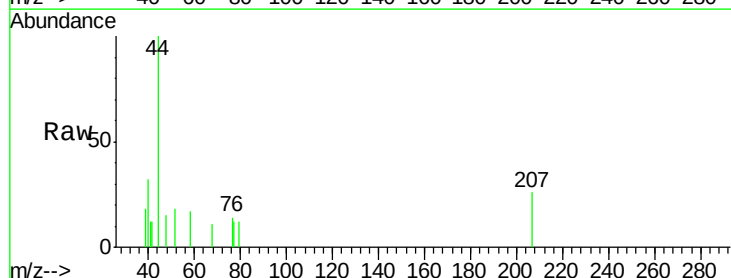
Acq: 3 Jul 2018 21:15

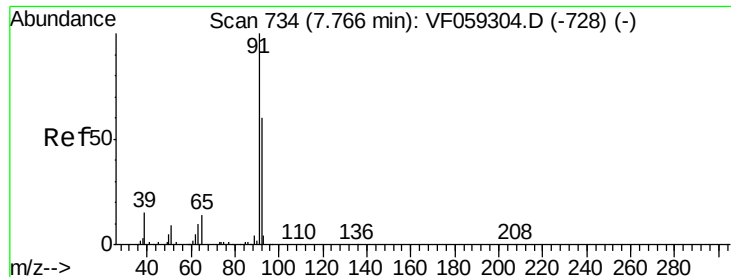
Tgt Ion: 76 Resp: 76

Ion Ratio Lower Upper

76 100

78 0.0 24.9 37.3#

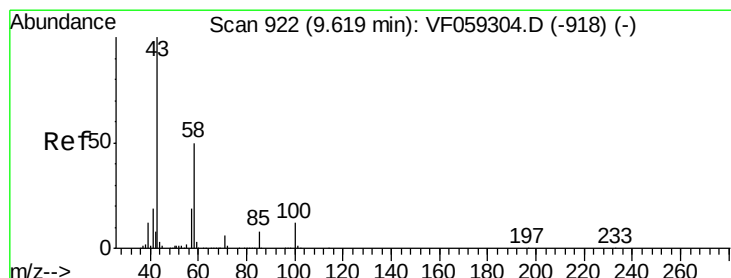
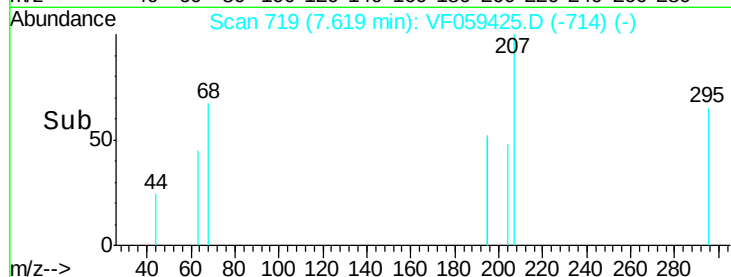
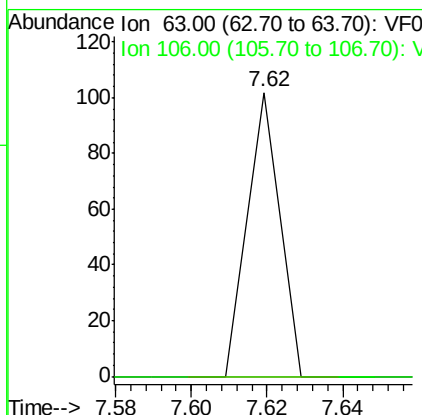
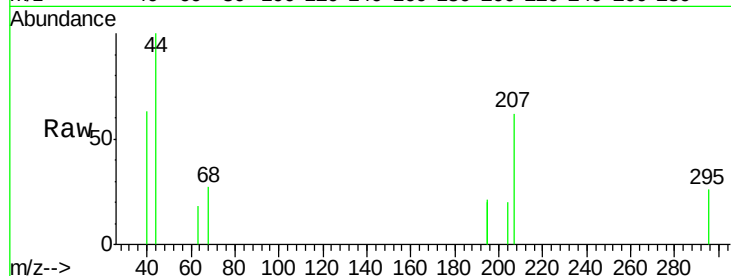




#58
 2-Chloroethyl Vinyl ether
 Concen: 32.677 ug/l
 RT: 7.62 min Scan# 719
 Delta R.T. -0.15 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

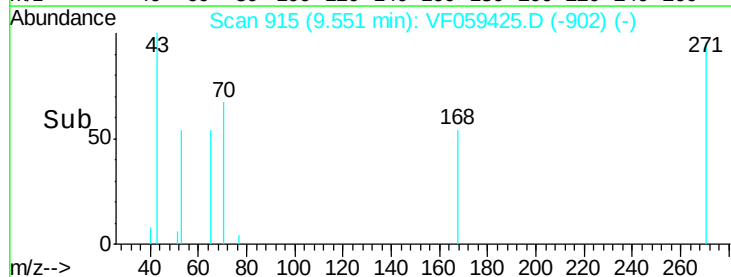
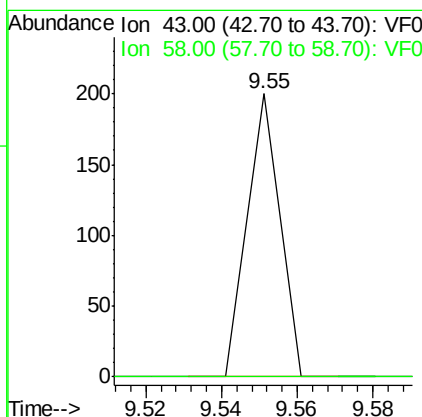
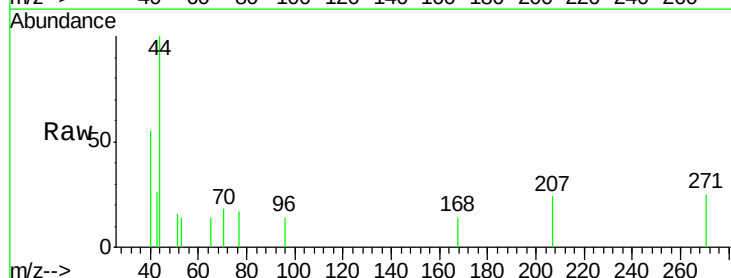
Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-5

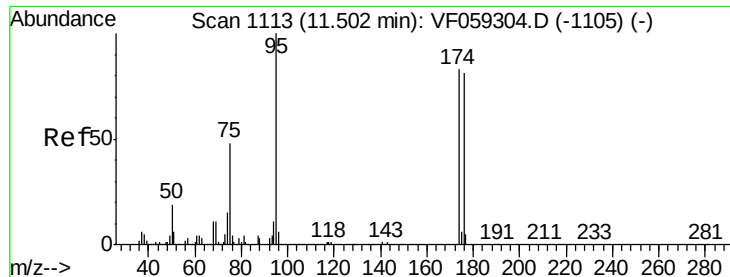
Tgt Ion: 63 Resp: 60
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.55 min Scan# 915
 Delta R.T. -0.07 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.9#





#62

4-Bromofluorobenzene

Concen: 17.188 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

GF-G-5

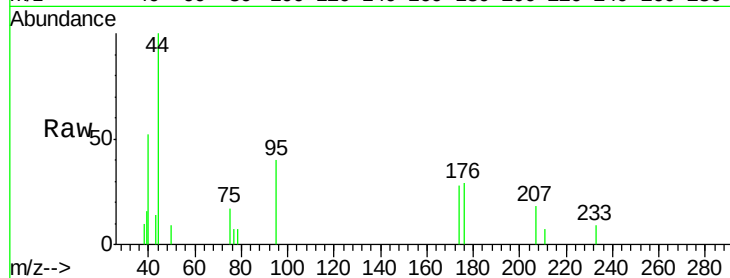
Tgt Ion: 95 Resp: 616

Ion Ratio Lower Upper

95 100

174 70.2 0.0 165.2

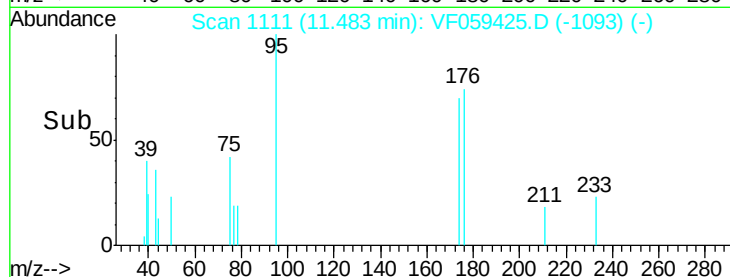
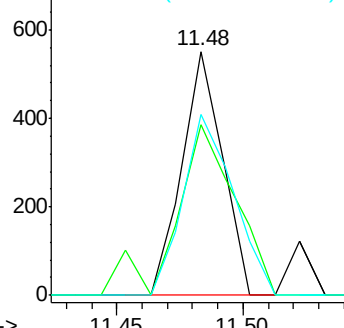
176 74.2 0.0 161.0



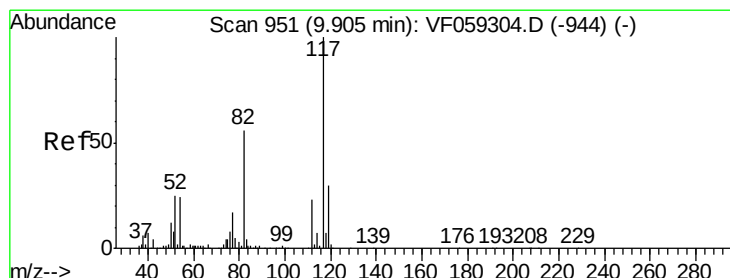
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.88 min Scan# 948

Delta R.T. -0.03 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

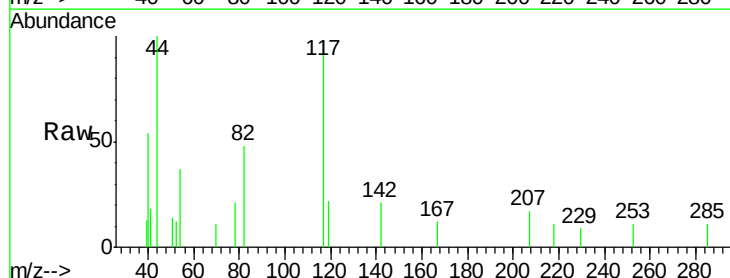
Tgt Ion: 117 Resp: 2138

Ion Ratio Lower Upper

117 100

82 48.6 44.6 66.8

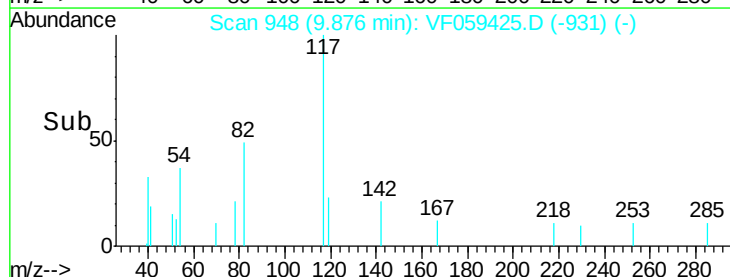
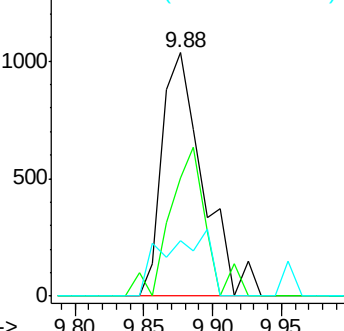
119 22.6 24.1 36.1#

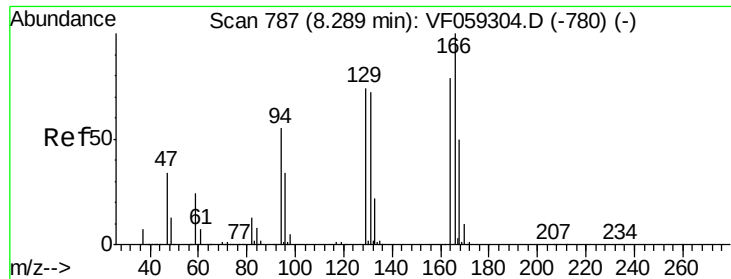


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: 4.543 ug/l

RT: 8.38 min Scan# 796

Delta R.T. 0.09 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

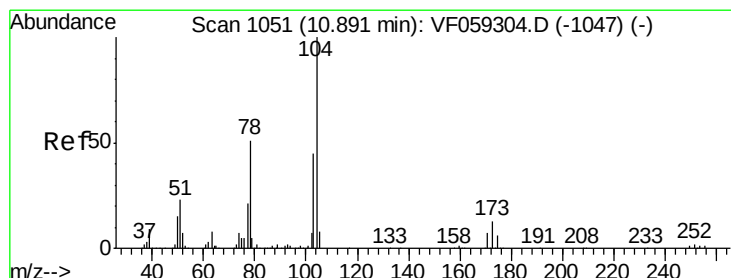
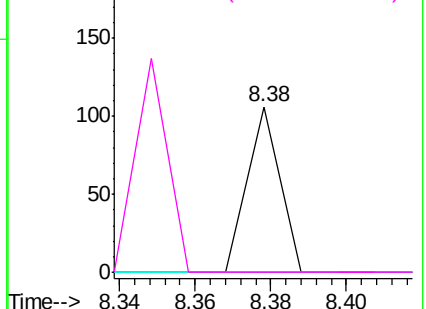
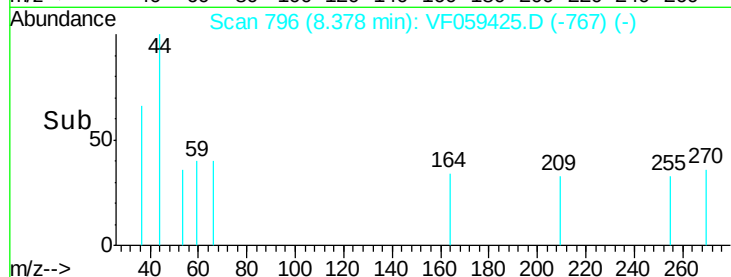
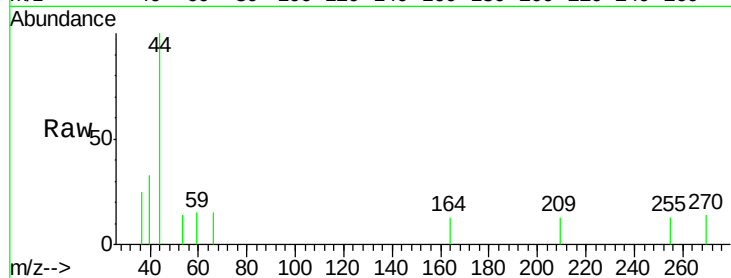
Instrument :

MSVOA_F

ClientSampled :

GF-G-5

Tgt Ion:	164	Resp:	63
Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.1	151.7#
129	0.0	75.0	112.4#
131	0.0	73.3	109.9#



#70

Styrene

Concen: 1.644 ug/l

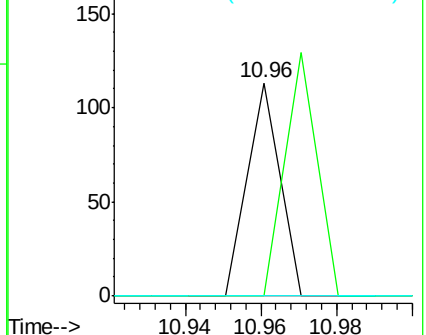
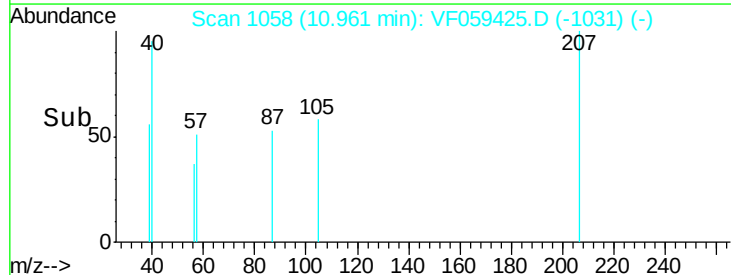
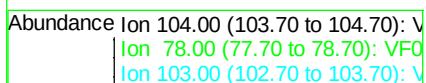
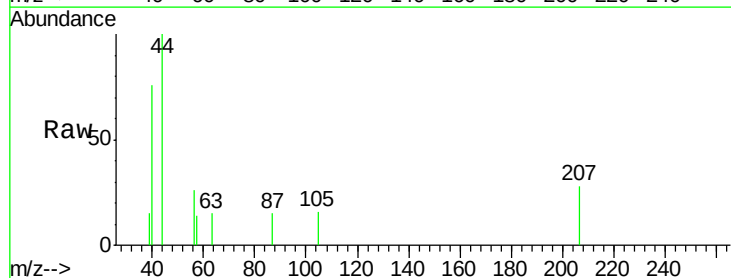
RT: 10.96 min Scan# 1058

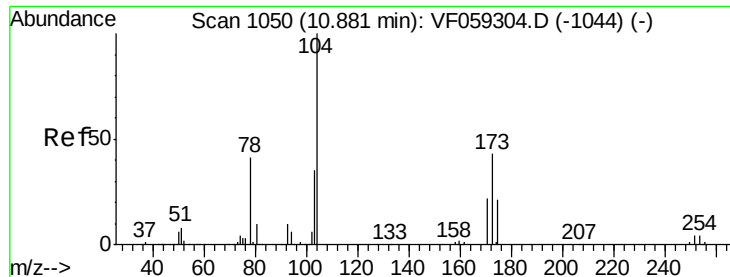
Delta R.T. 0.07 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Tgt Ion:	104	Resp:	67
Ion	Ratio	Lower	Upper
104	100		
78	0.0	40.9	61.3#
103	0.0	36.5	54.7#

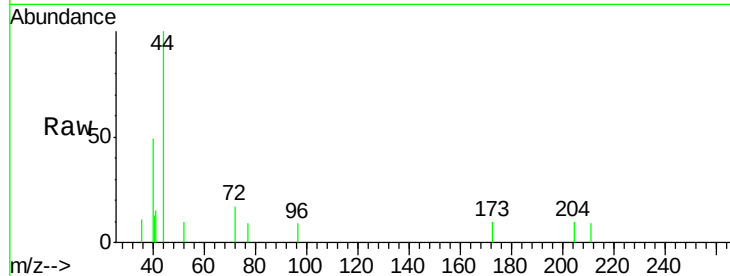




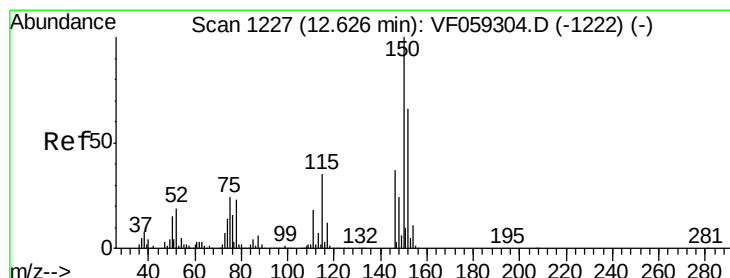
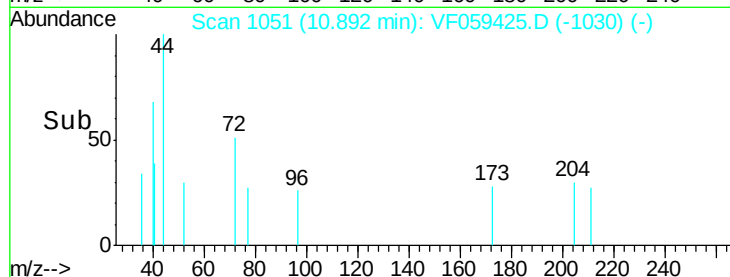
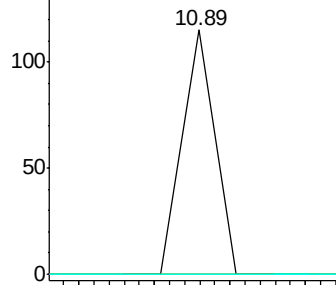
#71
Bromoform
Concen: 5.790 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Instrument :
MSVOA_F
ClientSampleId :
GF-G-5

Tgt Ion:173 Resp: 68
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.3#
254 0.0 0.0 0.0

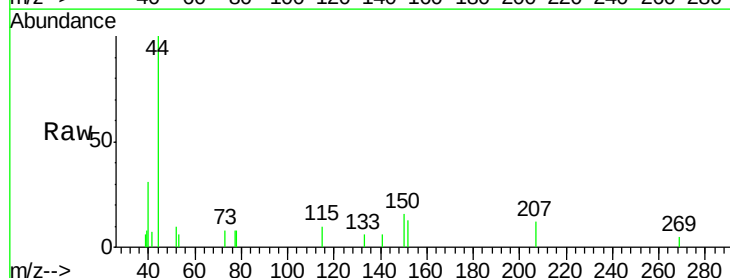


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

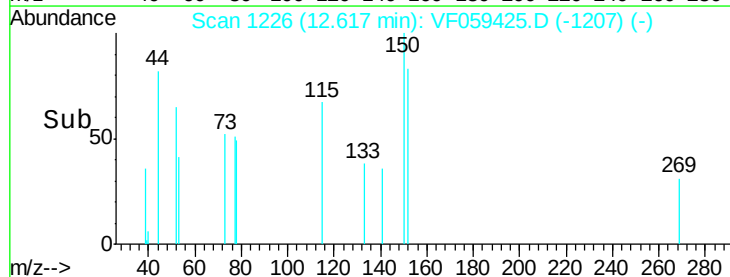
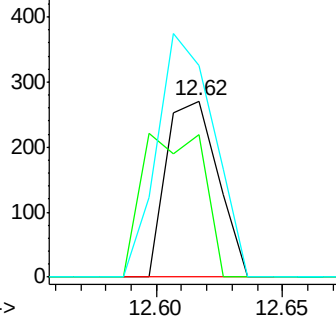


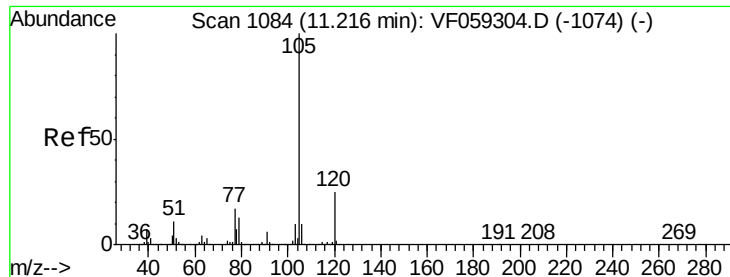
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Tgt Ion:152 Resp: 384
Ion Ratio Lower Upper
152 100
115 80.8 27.1 81.3
150 120.3 0.0 305.2



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





#73

Isopropylbenzene

Concen: 3.487 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

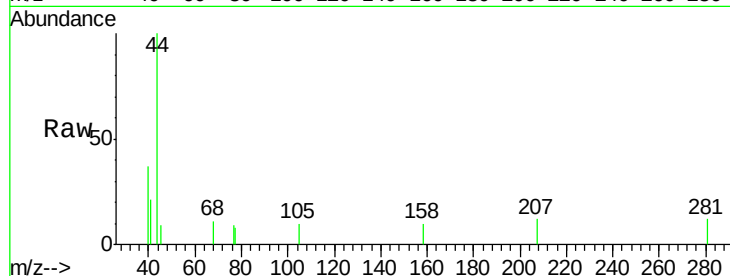
GF-G-5

Tgt Ion: 105 Resp: 78

Ion Ratio Lower Upper

105 100

120 0.0 12.3 36.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

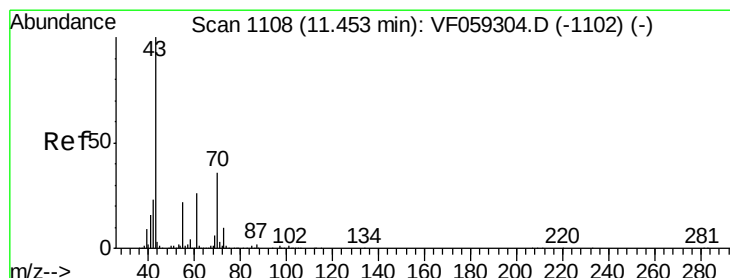
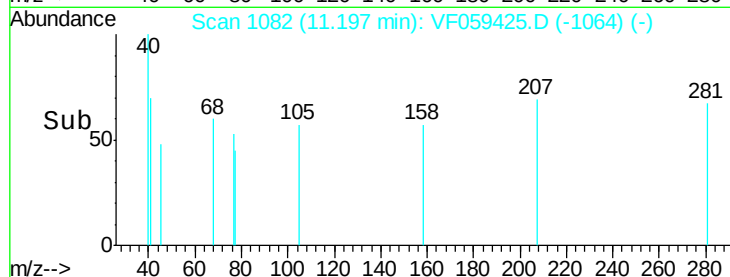
11.20

100

50

0

Time--> 11.16 11.18 11.20 11.22



#74

N-ethyl acetate

Concen: 15.521 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Tgt Ion: 43 Resp: 126

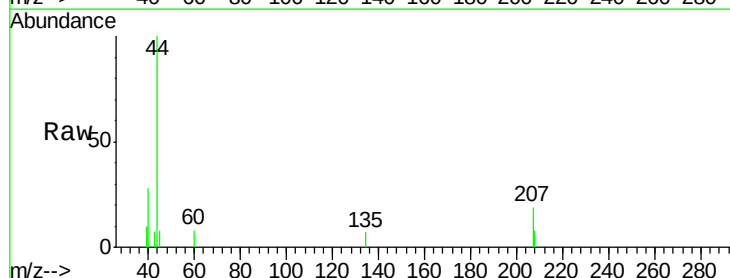
Ion Ratio Lower Upper

43 100

70 0.0 28.8 43.2#

55 0.0 17.4 26.0#

61 0.0 21.1 31.7#



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

300

250

200

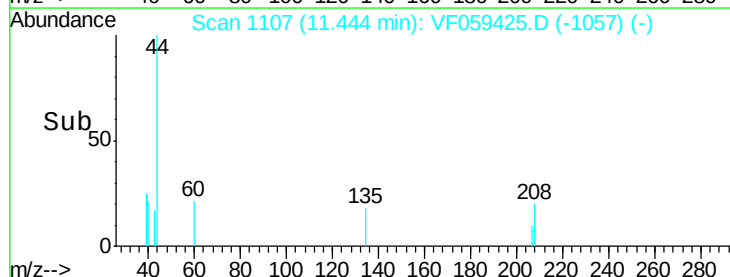
150

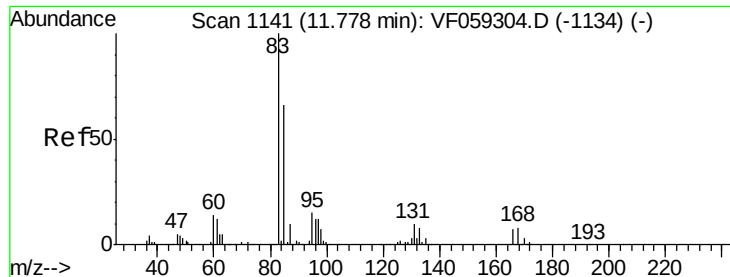
100

50

0

Time--> 11.42 11.44 11.46





#75

1,1,2,2-Tetrachloroethane

Concen: 11.328 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.12 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

GF-G-5

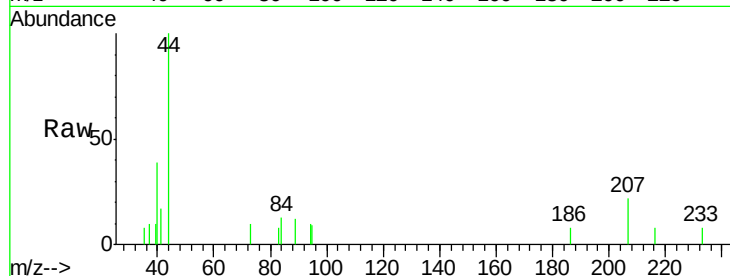
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

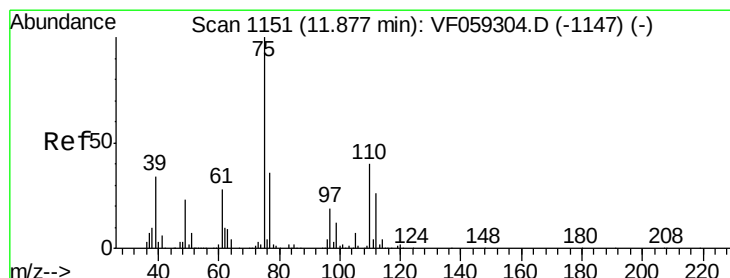
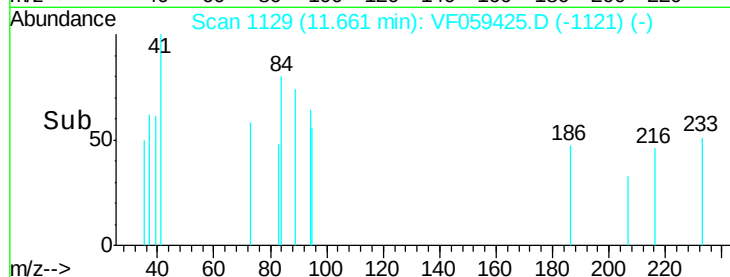
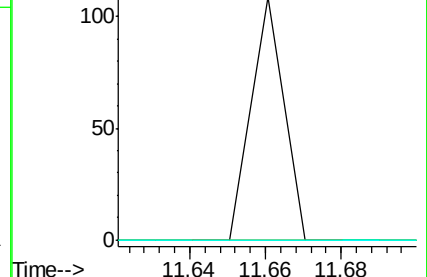
85 0.0 32.8 98.4#



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: 34.492 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VF059425.D

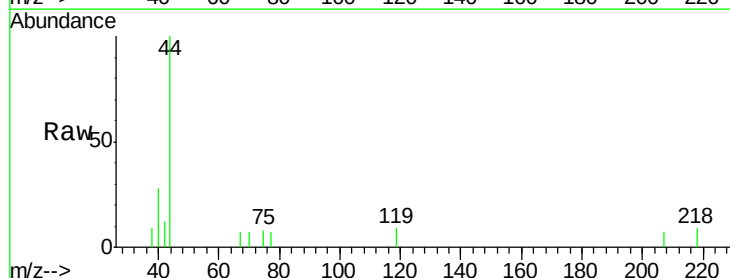
Acq: 3 Jul 2018 21:15

Tgt Ion: 75 Resp: 147

Ion Ratio Lower Upper

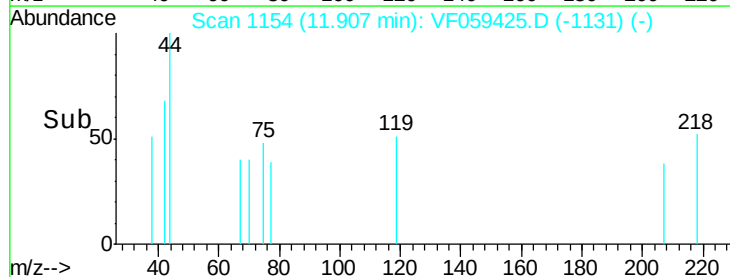
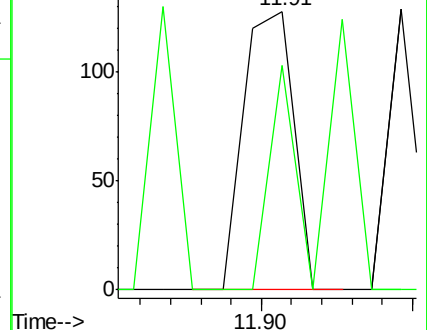
75 100

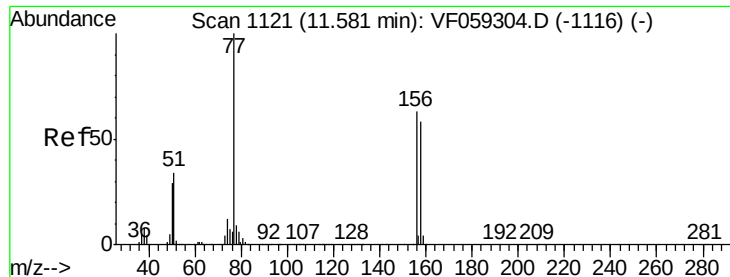
77 80.5 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.473 ug/l

RT: 11.53 min Scan# 1116

Delta R.T. -0.05 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

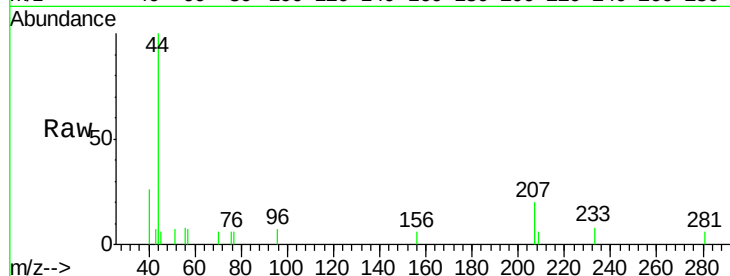
MSVOA_F

ClientSampled :

GF-G-5

Tgt Ion:156 Resp: 65

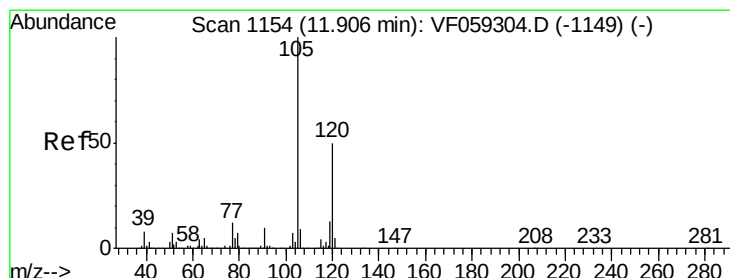
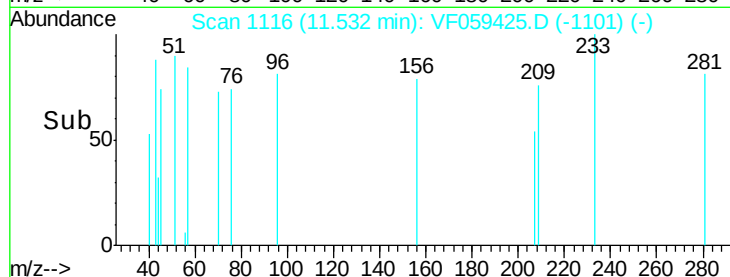
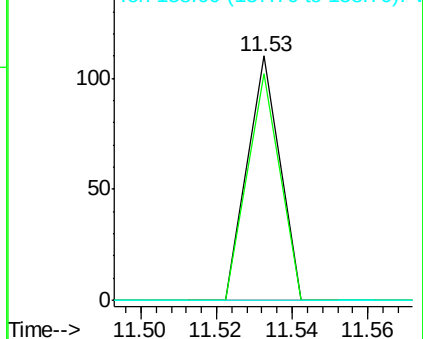
Ion	Ratio	Lower	Upper
156	100		
77	92.7	79.7	238.9
158	0.0	46.2	138.6#



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



#80

1,3,5-Trimethylbenzene

Concen: 6.685 ug/l

RT: 11.94 min Scan# 1157

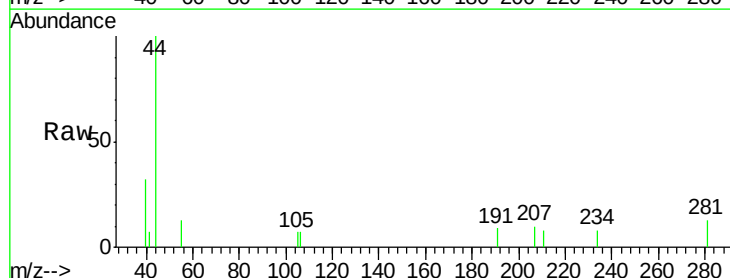
Delta R.T. 0.03 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

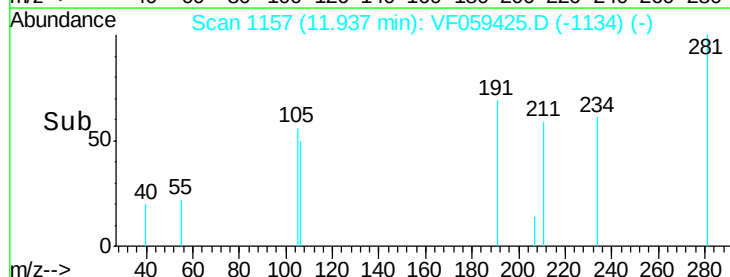
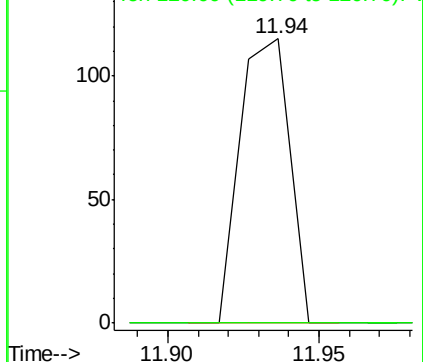
Tgt Ion:105 Resp: 131

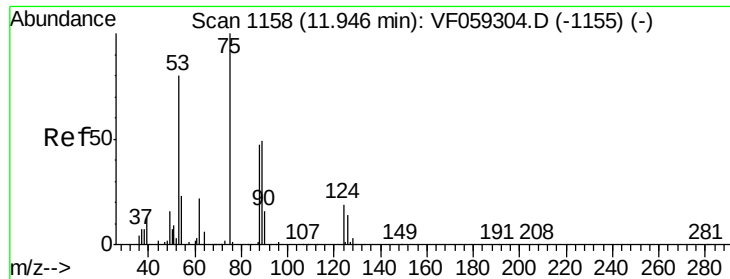
Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.9	74.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

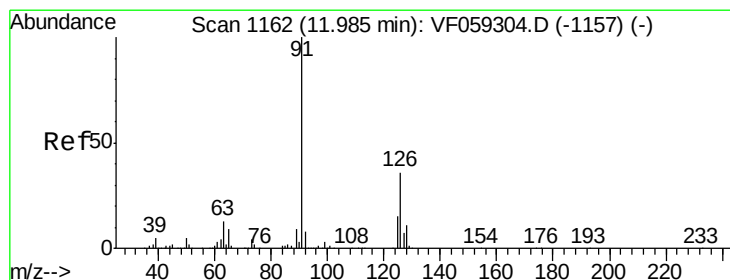
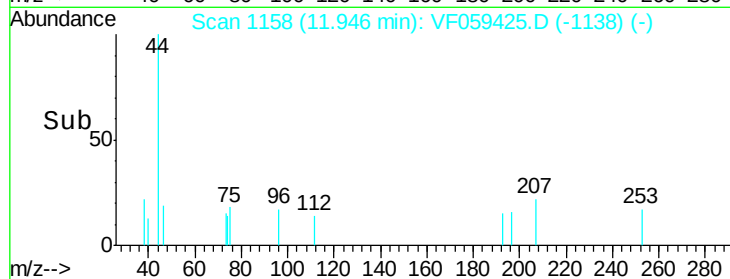
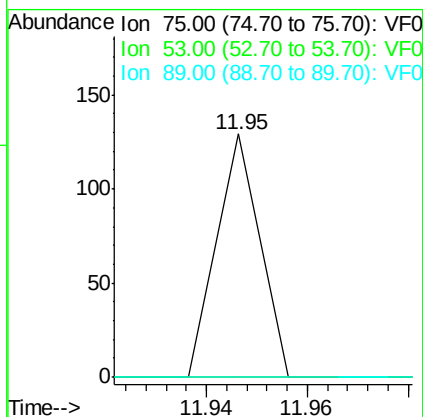
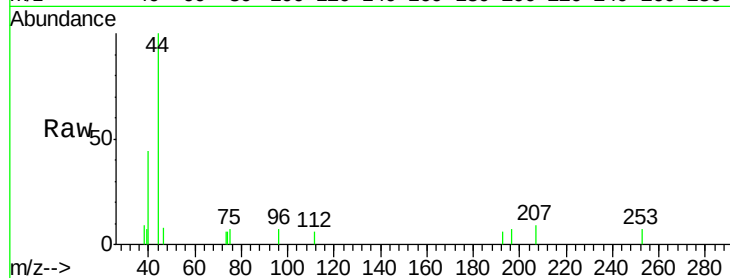




#81
trans-1,4-Dichloro-2-butene
Concen: 29.962 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

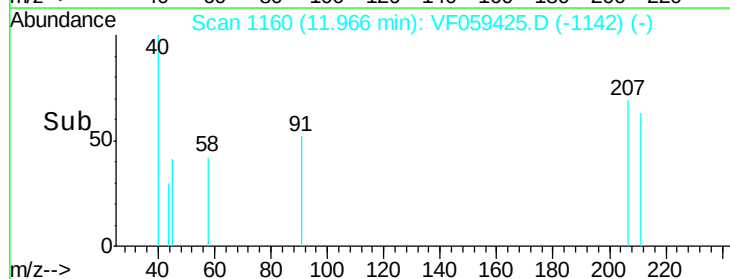
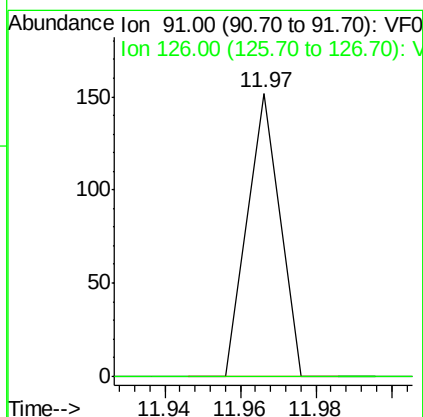
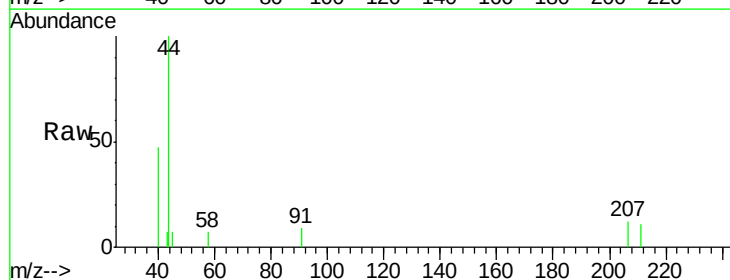
Instrument :
MSVOA_F
ClientSampleId :
GF-G-5

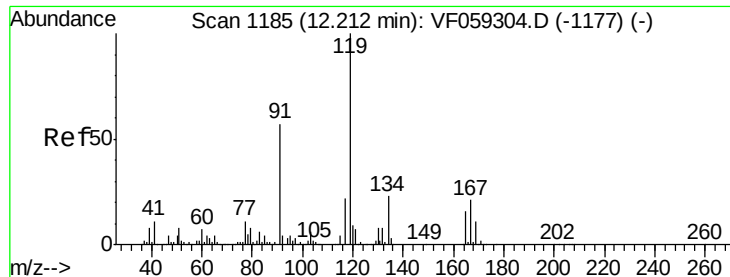
Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
53 0.0 68.8 103.2#
89 0.0 42.0 63.0#



#82
4-Chlorotoluene
Concen: 5.119 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Tgt Ion: 91 Resp: 90
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#

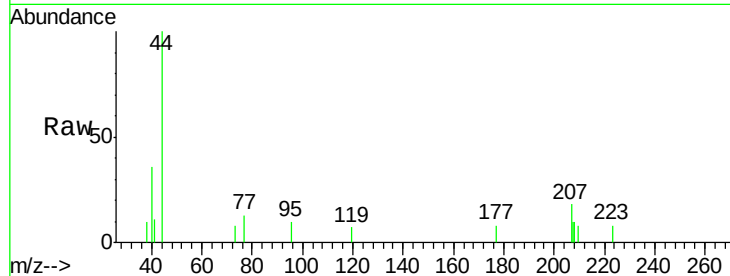




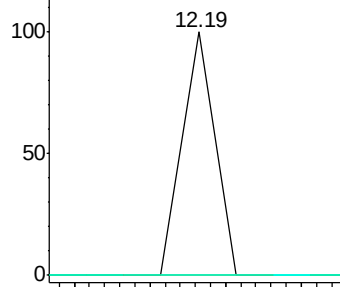
#83
 tert-Butylbenzene
 Concen: 3.010 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Instrument :
 MSVOA_F
 ClientSampled :
 GF-G-5

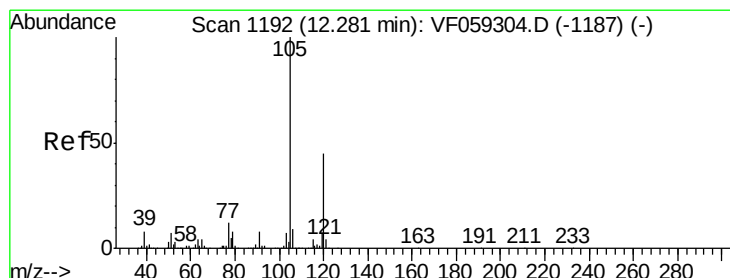
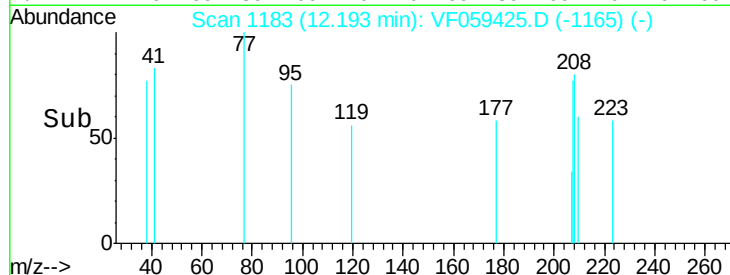
Tgt Ion:119 Resp: 59
 Ion Ratio Lower Upper
 119 100
 91 0.0 28.4 85.2#
 134 0.0 11.7 35.1#



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

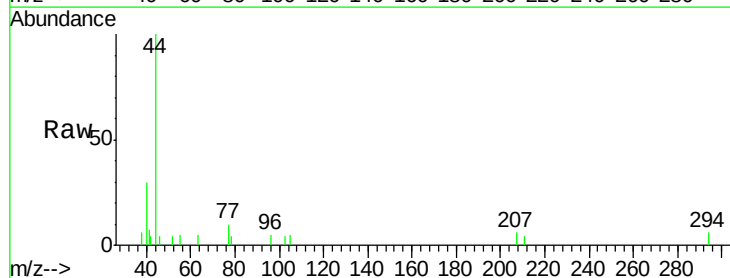


Time--> 12.16 12.18 12.20 12.22

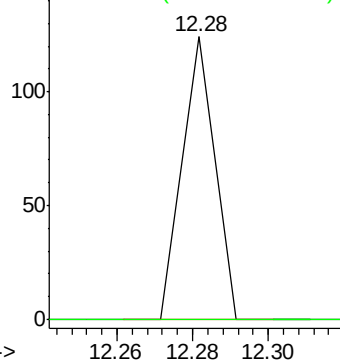


#84
 1,2,4-Trimethylbenzene
 Concen: 3.537 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

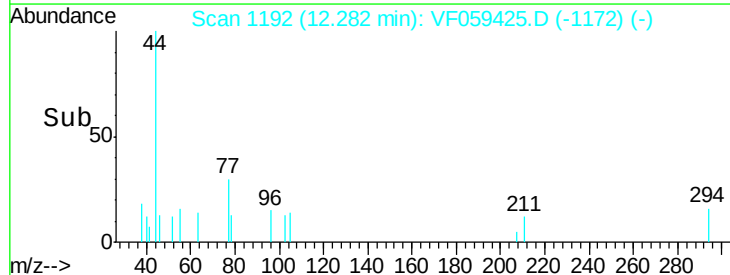
Tgt Ion:105 Resp: 73
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.8 68.4#

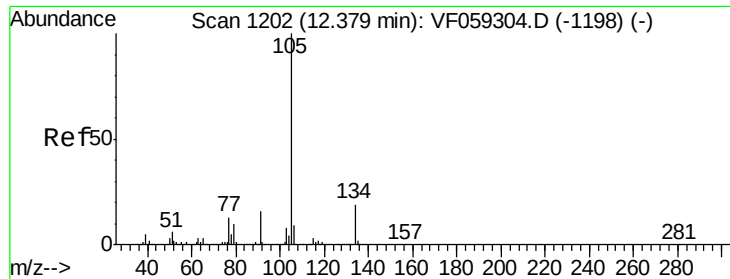


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time--> 12.26 12.28 12.30





#85

sec-Butylbenzene

Concen: 2.810 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.10 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

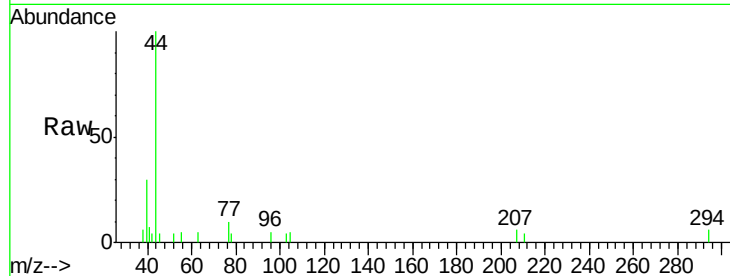
GF-G-5

Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

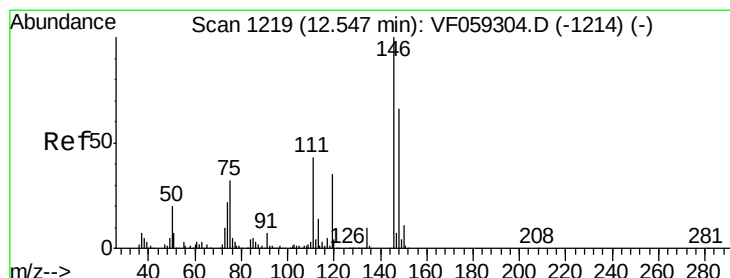
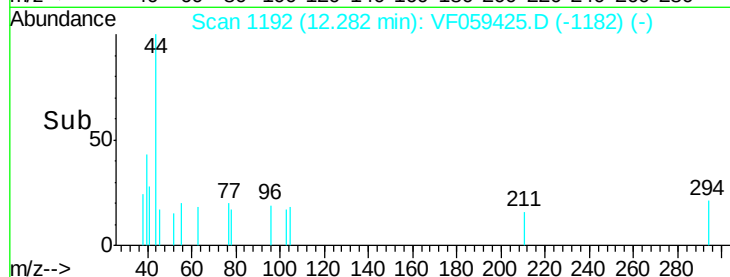
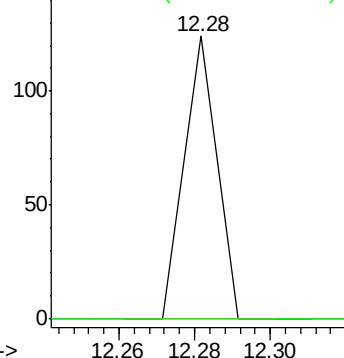
105 100

134 0.0 9.4 28.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 2.135 ug/l

RT: 12.69 min Scan# 1233

Delta R.T. 0.14 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

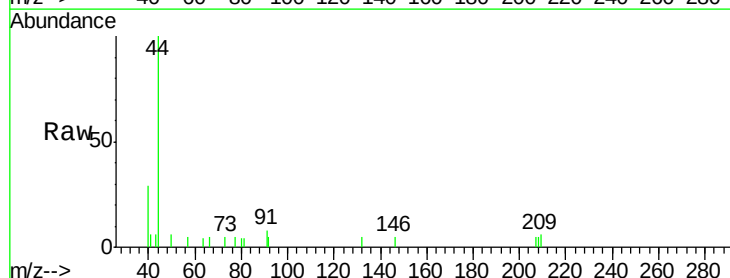
Tgt Ion:146 Resp: 67

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

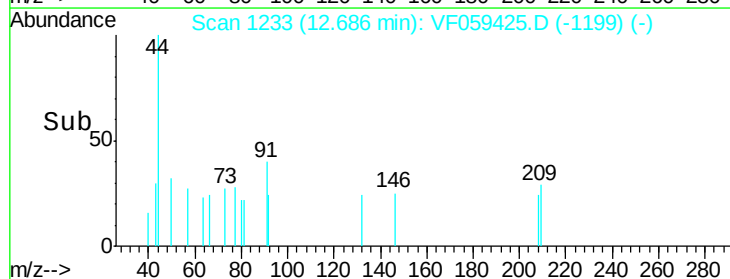
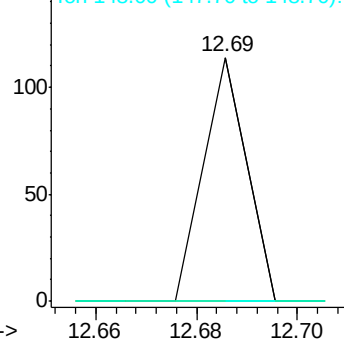
148 0.0 32.8 98.4#

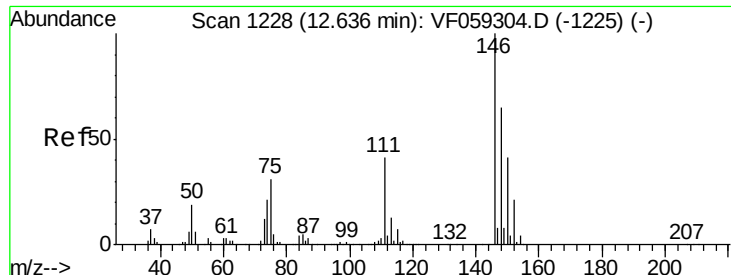


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

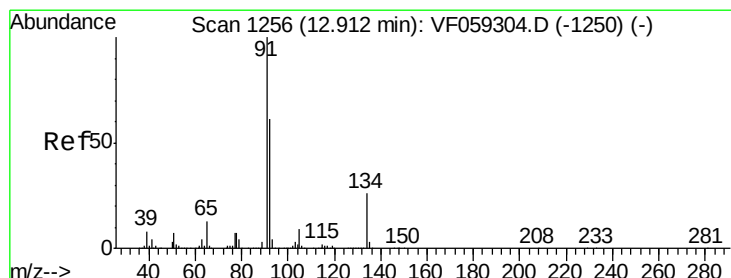
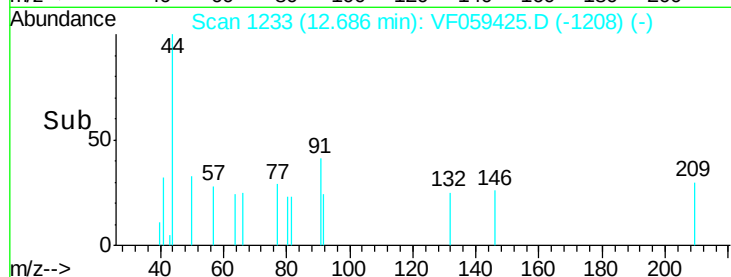
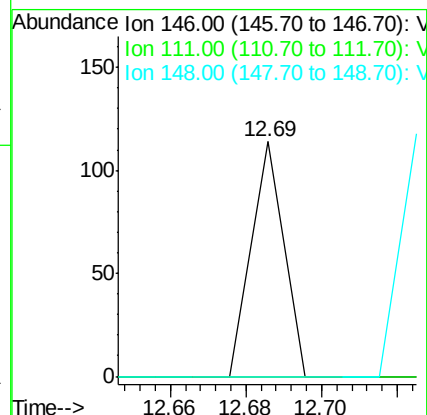
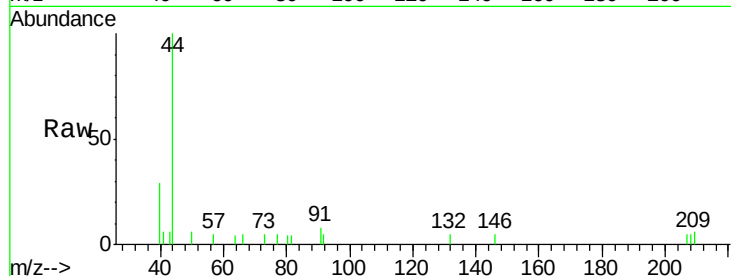




#88
 1,4-Dichlorobenzene
 Concen: 6.045 ug/l
 RT: 12.69 min Scan# 1233
 Delta R.T. 0.05 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

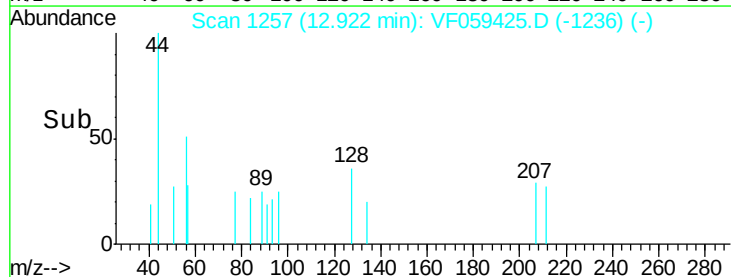
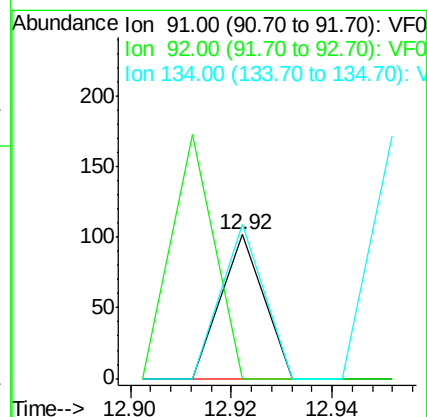
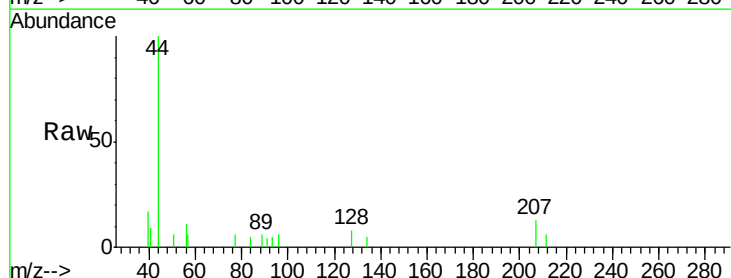
Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-5

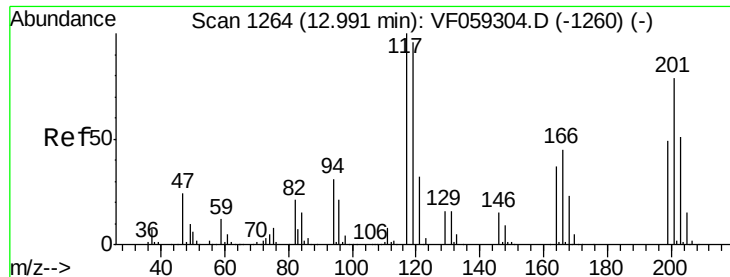
Tgt Ion:146 Resp: 67
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 0.0 32.8 98.3#



#89
 n-Butylbenzene
 Concen: 2.711 ug/l
 RT: 12.92 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VF059425.D
 Acq: 3 Jul 2018 21:15

Tgt Ion: 91 Resp: 60
 Ion Ratio Lower Upper
 91 100
 92 0.0 30.3 91.0#
 134 106.9 12.9 38.7#





#90

Hexachloroethane

Concen: 13.802 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

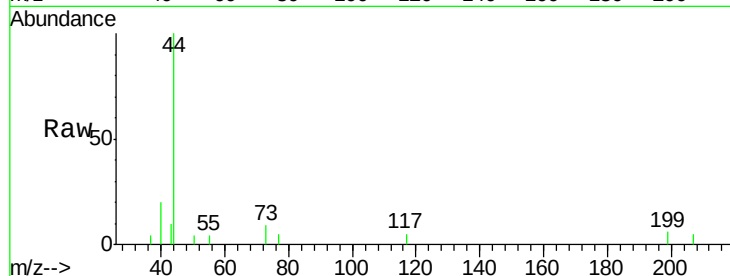
GF-G-5

Tgt Ion: 117 Resp: 75

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.99

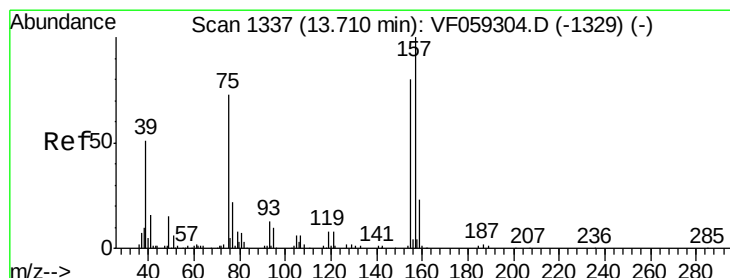
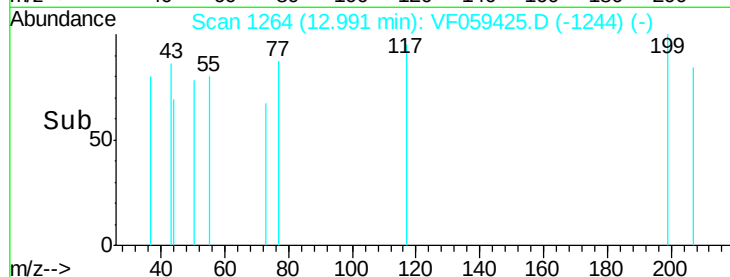
100

50

0

Time-->

12.96 12.98 13.00 13.02



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.906 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059425.D

Acq: 3 Jul 2018 21:15

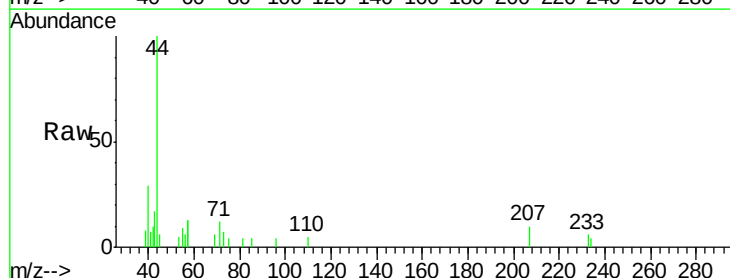
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 54.6 163.8#

157 0.0 68.7 205.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.70

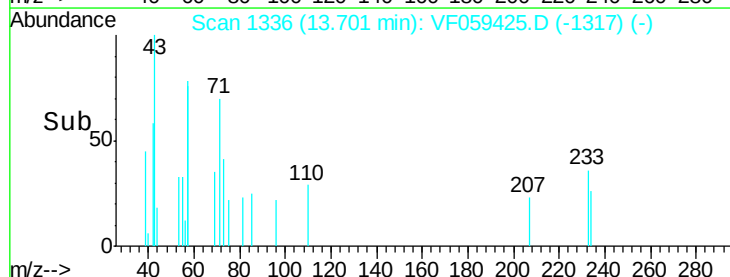
100

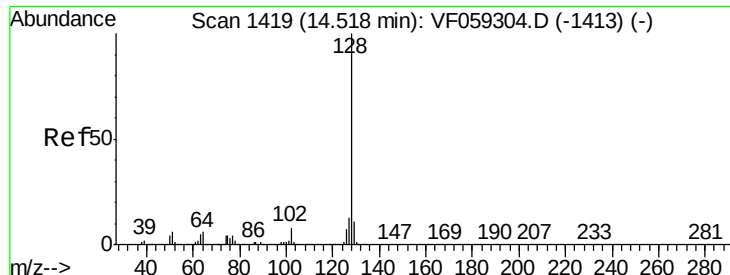
50

0

Time-->

13.68 13.70 13.72





#95
Naphthalene
Concen: 4.761 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059425.D
Acq: 3 Jul 2018 21:15

Instrument :
MSVOA_F
ClientSampleId :
GF-G-5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.8	13.2#

