

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059814.D
 Acq On : 2 Aug 2018 21:30
 Operator : VA/AP
 Sample : J4164-10
 Misc : 8.38g/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2

Quant Time: Aug 03 07:06:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	4007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	2967	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	1655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	319	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	1178	16.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	32.72%	
35) Dibromofluoromethane	4.27	113	989	32.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	64.18%	
50) Toluene-d8	7.70	98	2446	34.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.08%	
62) 4-Bromofluorobenzene	11.50	95	437	10.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.15	50	85	Below Cal	#	38
5) Bromomethane	1.22	94	79	Below Cal	#	4
10) Methyl Iodide	2.08	142	87	Below Cal	#	20
11) Tert butyl alcohol	2.66	59	73	23.821	ug/l #	74
12) 1,1-Dichloroethene	1.99	96	64	2.062	ug/l #	8
13) Acrolein	1.98	56	61	53.595	ug/l	91
14) Allyl chloride	2.16	41	191	3.855	ug/l #	1
15) Acrylonitrile	3.06	53	70	15.103	ug/l #	7
16) Acetone	2.34	43	160	12.352	ug/l #	68
17) Carbon Disulfide	1.85	76	462	1.971	ug/l #	71
18) Methyl Acetate	2.34	43	160	3.324	ug/l #	64
20) Methylene Chloride	2.37	84	70	Below Cal	#	1
23) Vinyl Acetate	3.31	43	64	1.188	ug/l #	83
26) 2,2-Dichloropropane	3.65	77	63	1.214	ug/l #	66
28) Bromochloromethane	3.85	49	72	Below Cal	#	15
29) Tetrahydrofuran	4.32	42	103	18.539	ug/l #	39
31) Cyclohexane	3.90	56	77	Below Cal	#	15
37) Ethyl Acetate	4.14	43	105	2.706	ug/l #	19
38) Carbon Tetrachloride	4.11	117	60	1.272	ug/l #	14
39) Methylcyclohexane	5.73	83	64	Below Cal	#	13
40) Benzene	4.73	78	172	2.871	ug/l #	52
41) Methacrylonitrile	4.88	41	62	5.819	ug/l #	24
42) 1,2-Dichloroethane	5.09	62	65	1.550	ug/l	85
43) Isopropyl Acetate	7.07	43	70	3.946	ug/l #	46
44) Trichloroethene	5.73	130	70	Below Cal		2
45) 1,2-Dichloropropane	6.32	63	63	3.981	ug/l #	43
47) Bromodichloromethane	6.54	83	77	1.882	ug/l #	25
48) Methyl methacrylate	6.85	41	113	8.468	ug/l #	13
49) 1,4-Dioxane	6.93	88	60	699.956	ug/l #	21
51) 4-Methyl-2-Pentanone	8.37	43	75	5.557	ug/l #	42
55) 1,1,2-Trichloroethane	8.52	97	67	4.129	ug/l #	14
57) 1,3-Dichloropropane	8.96	76	70	2.514	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.78	63	63	32.242	ug/l	100
59) 2-Hexanone	9.58	43	61	5.640	ug/l #	30

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

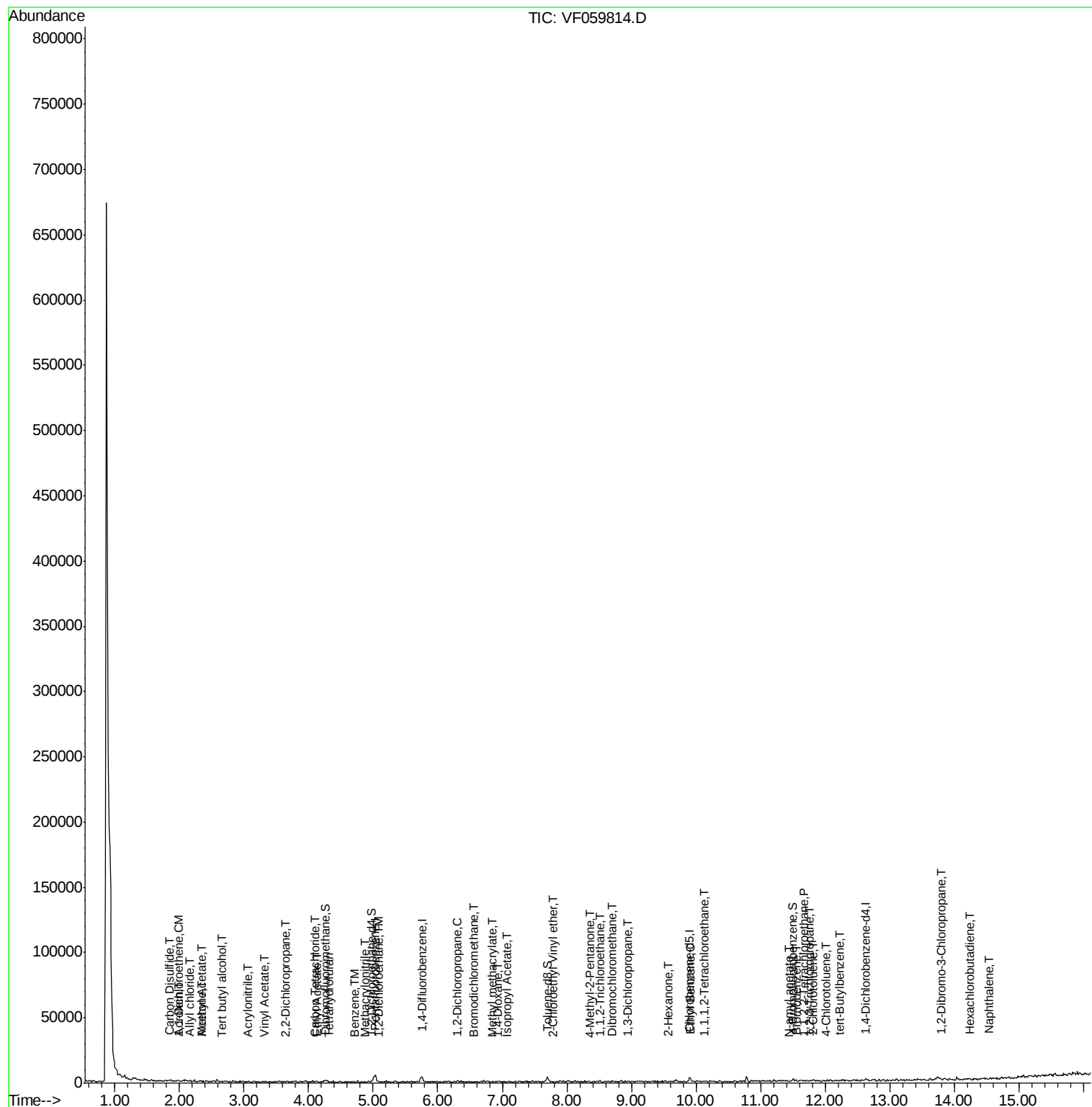
60) Dibromochloromethane	8.71	129	75	2.619	ug/l #	12
66) 1,1,1,2-Tetrachloroethane	10.14	131	66	4.270	ug/l #	9
67) Ethyl Benzene	9.92	91	111	1.938	ug/l #	46
74) N-ethyl acetate	11.44	43	75	14.203	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.66	83	73	18.528	ug/l #	25
76) 1,2,3-Trichloropropane	11.77	75	73	21.789	ug/l #	39
77) Bromobenzene	11.56	156	60	10.977	ug/l #	1
78) n-propylbenzene	11.68	91	105	Below Cal	#	54
79) 2-Chlorotoluene	11.82	91	135	6.147	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.82	105	61	Below Cal	#	31
82) 4-Chlorotoluene	12.01	91	75	1.290	ug/l #	44
83) tert-Butylbenzene	12.24	119	66	3.513	ug/l #	26
86) p-Isopropyltoluene	12.55	119	79	Below Cal	#	49
89) n-Butylbenzene	12.92	91	73	Below Cal	#	29
92) 1,2-Dibromo-3-Chloropropan	13.80	75	59	61.255	ug/l #	9
94) Hexachlorobutadiene	14.23	225	63	12.041	ug/l #	19
95) Naphthalene	14.53	128	76	5.526	ug/l #	70

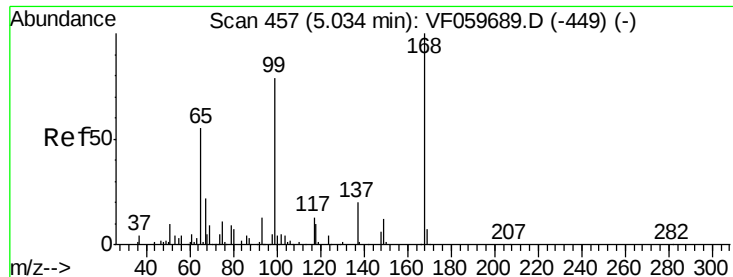
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

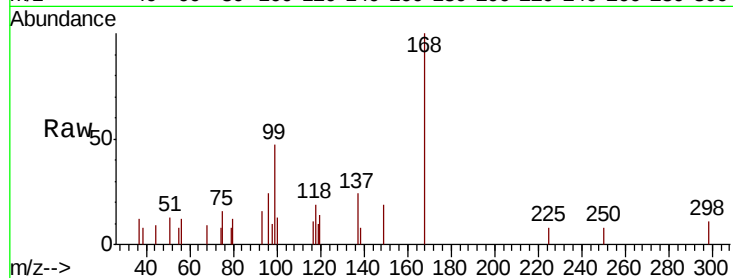
SB-2

Tot Ion:168 Resp: 4007

Ion Ratio Lower Upper

168 100

99 46.8 63.3 94.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

1500

1000

500

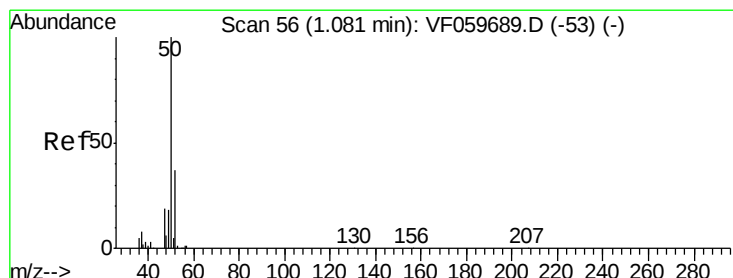
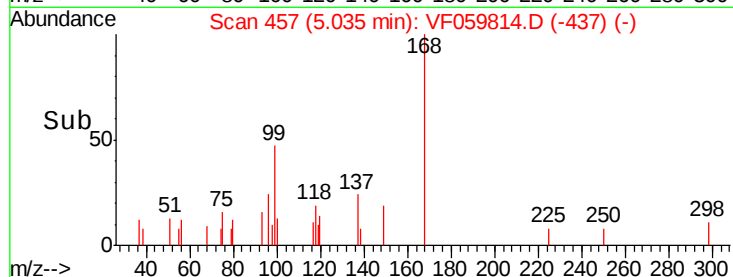
0

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.15 min Scan# 63

Delta R.T. 0.07 min

Lab File: VF059814.D

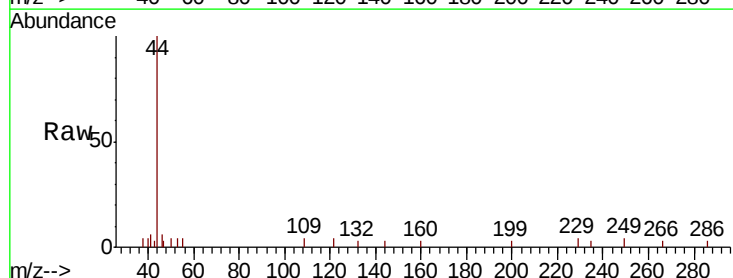
Acq: 2 Aug 2018 21:30

Tgt Ion: 50 Resp: 85

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.15

150

100

50

0

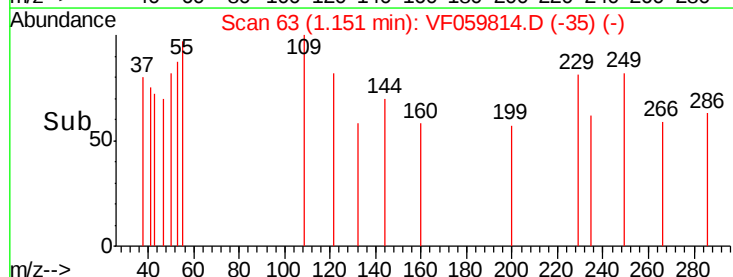
1.12

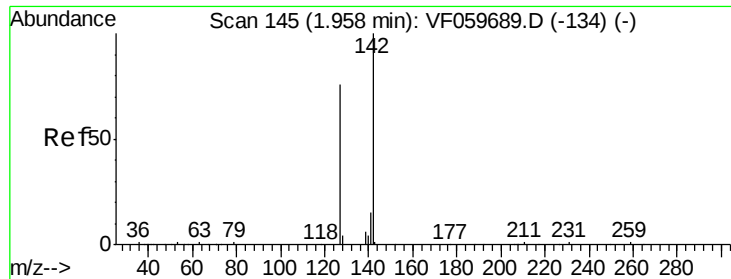
1.14

1.16

1.18

Time-->

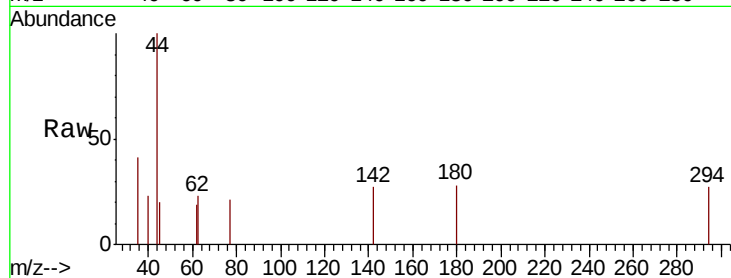




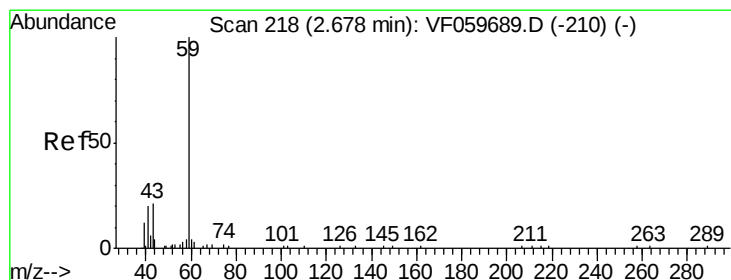
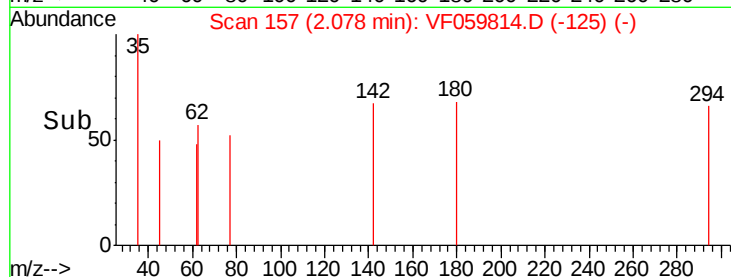
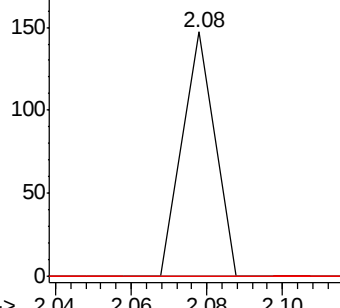
#10
Methvl Iodide
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. 0.12 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
SB-2

Tot Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#

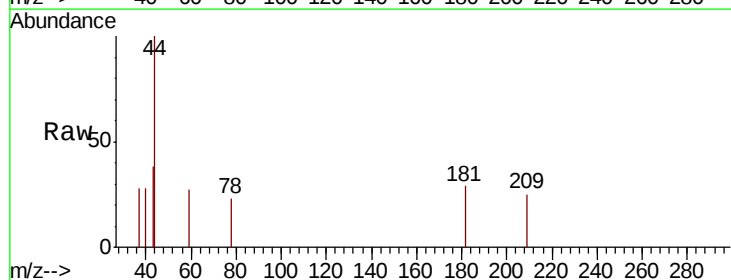


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

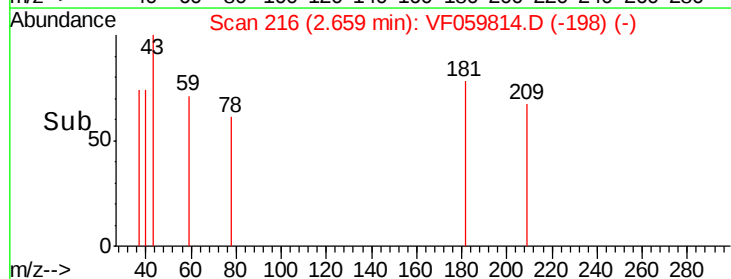
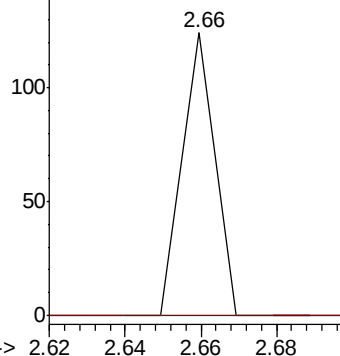


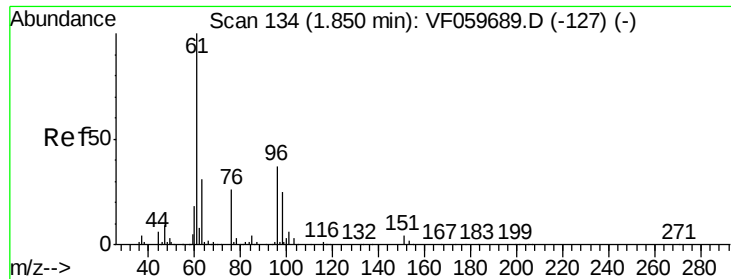
#11
Tert butyl alcohol
Concen: 23.821 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 2.062 ug/l

RT: 1.99 min Scan# 148

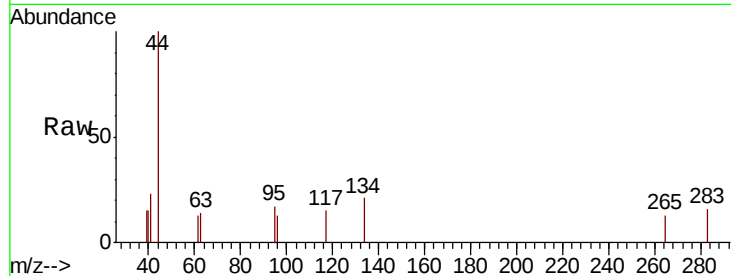
Delta R.T. 0.14 min

Lab File: VF059814.D

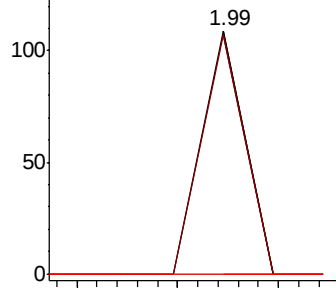
Acq: 2 Aug 2018 21:30

Instrument :
MSVOA_F
ClientSampled :
SB-2

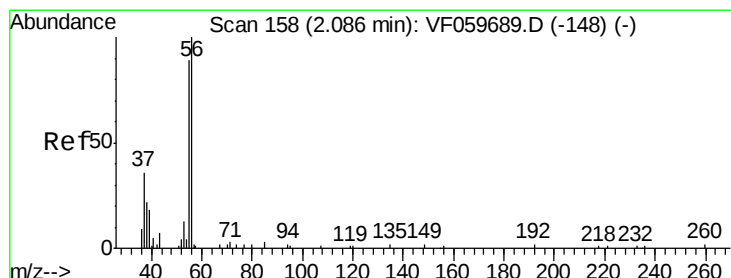
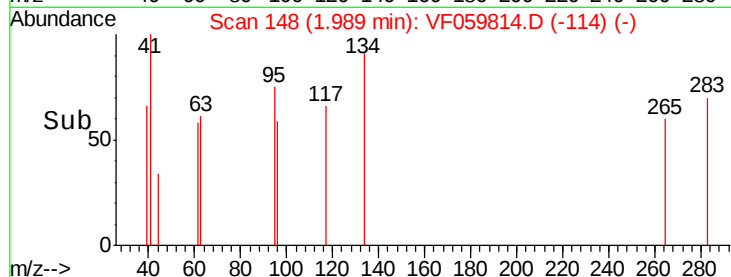
Tot Ion:	96	Resp:	64
Ion	Ratio	Lower	Upper
96	100		
61	98.2	215.1	322.7#
98	0.0	54.3	81.5#



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-->



#13

Acrolein

Concen: 53.595 ug/l

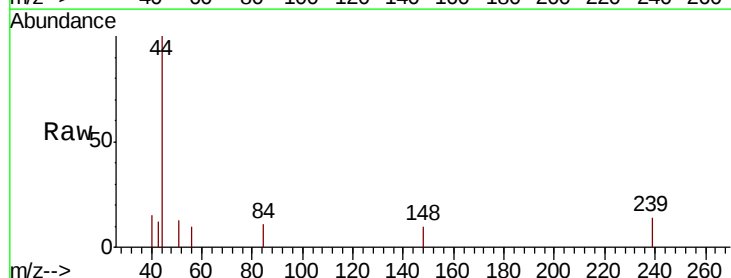
RT: 1.98 min Scan# 147

Delta R.T. -0.11 min

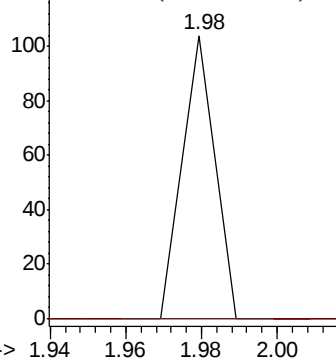
Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

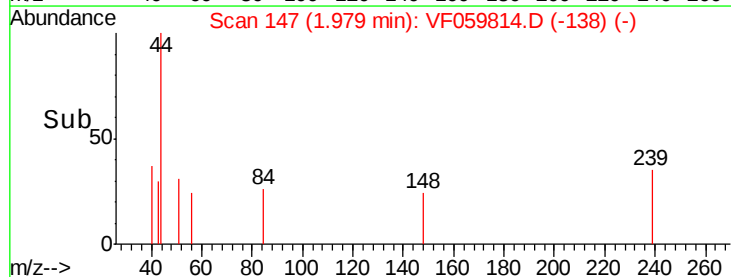
Tgt Ion:	56	Resp:	61
Ion	Ratio	Lower	Upper
56	100		
55	100.0	73.2	109.8

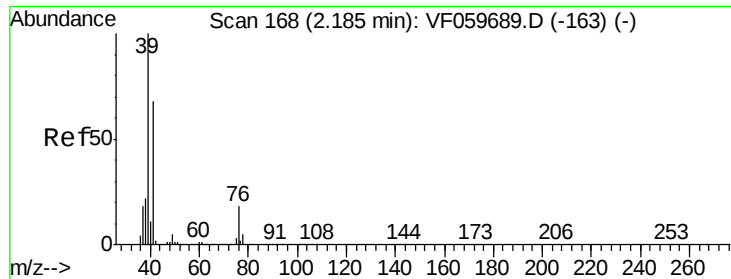


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



Time-->





#14

Allvl chloride

Concen: 3.855 ug/l

RT: 2.16 min Scan# 165

Delta R.T. -0.03 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampled :

SB-2

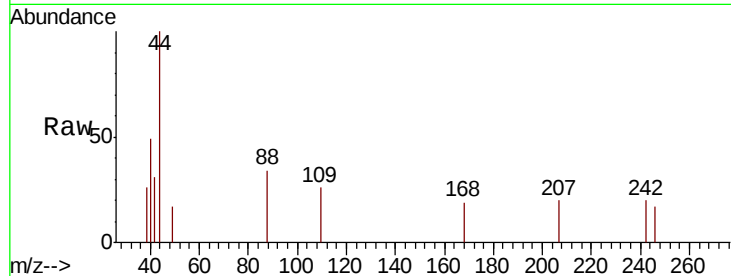
Tot Ion: 41 Resp: 191

Ion Ratio Lower Upper

41 100

39 0.0 118.1 177.1#

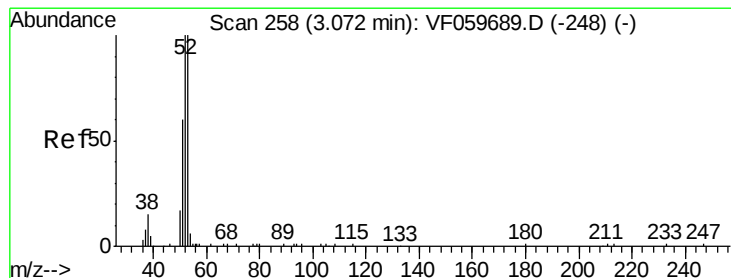
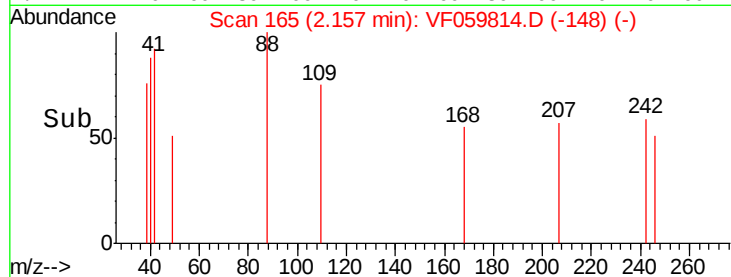
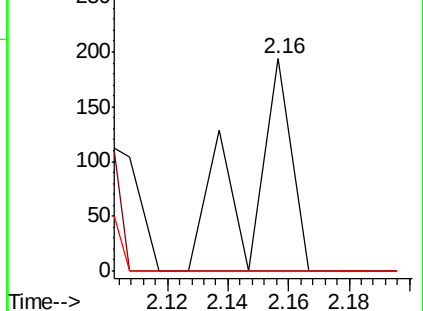
76 0.0 22.0 33.0#



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: 15.103 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

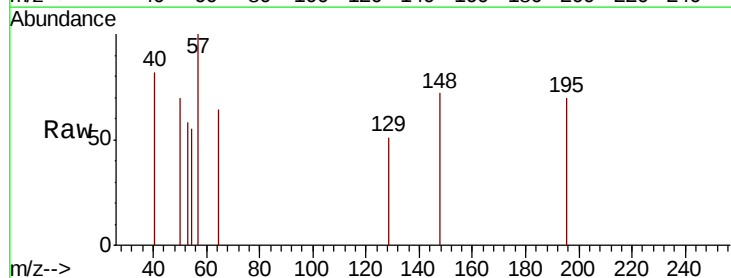
Tgt Ion: 53 Resp: 70

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

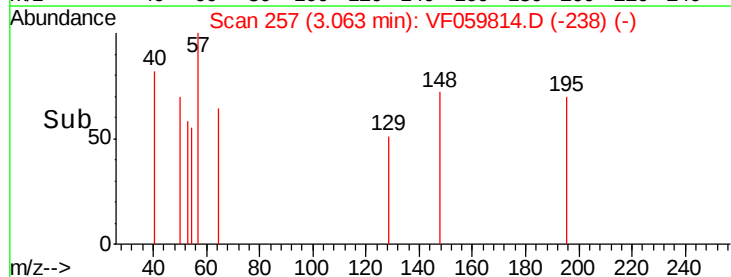
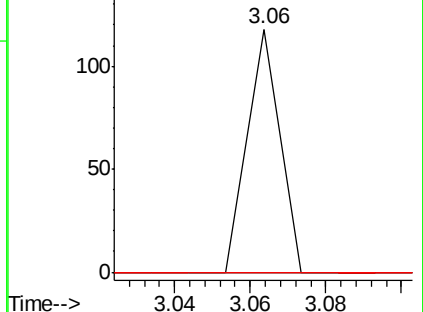
51 0.0 49.4 74.0#

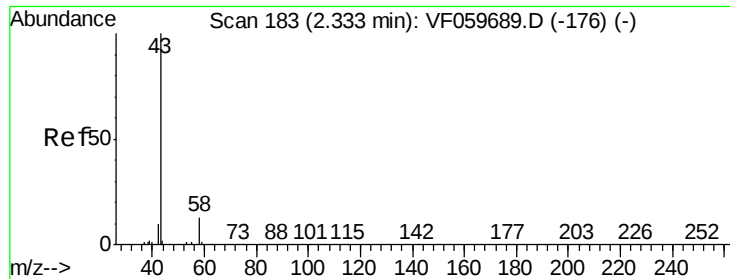


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 12.352 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

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ClientSampleId :

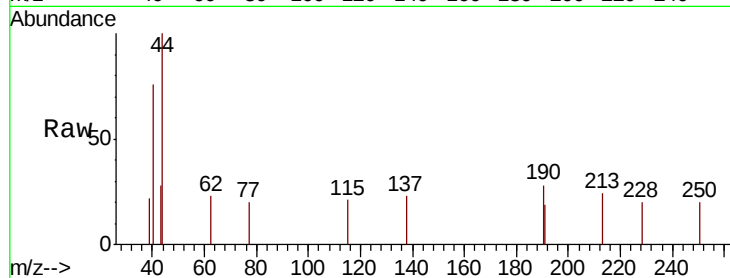
SB-2

Tot Ion: 43 Resp: 160

Ion Ratio Lower Upper

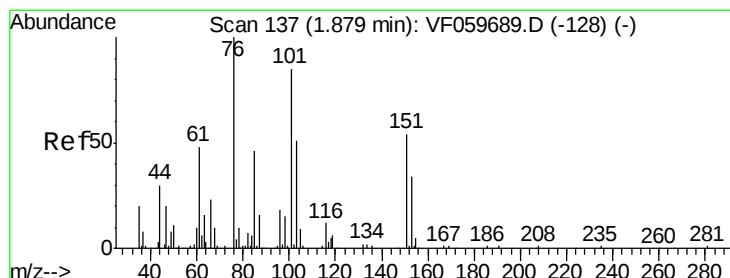
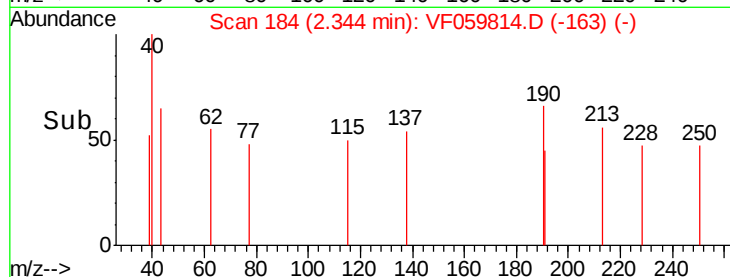
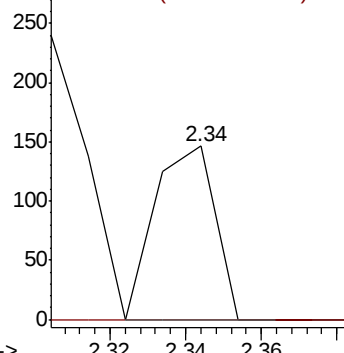
43 100

58 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 1.971 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.03 min

Lab File: VF059814.D

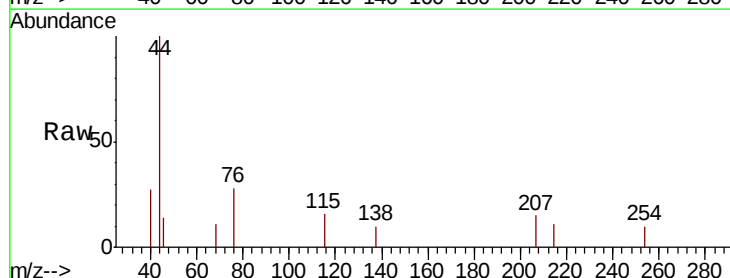
Acq: 2 Aug 2018 21:30

Tgt Ion: 76 Resp: 462

Ion Ratio Lower Upper

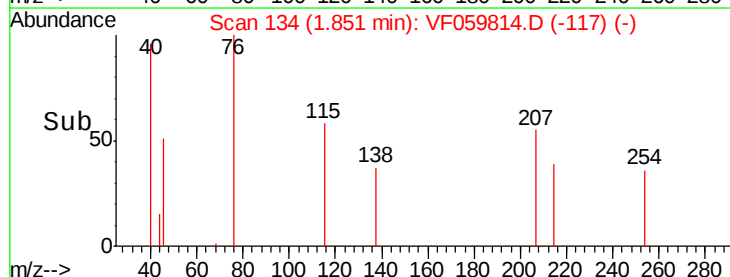
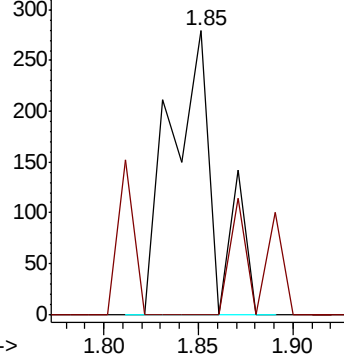
76 100

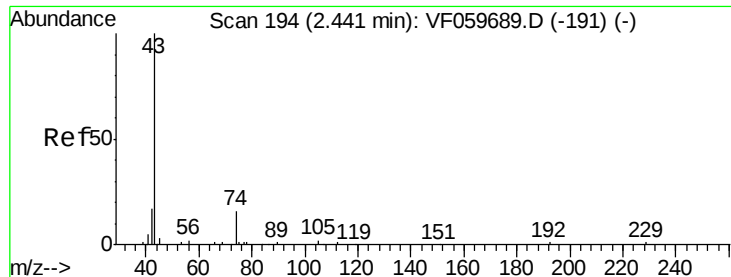
78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

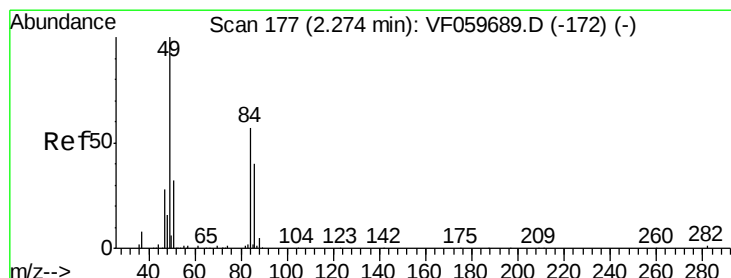
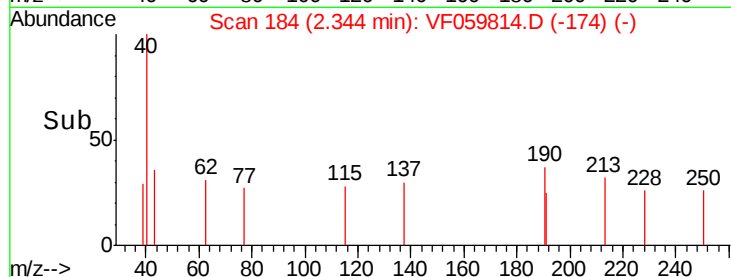
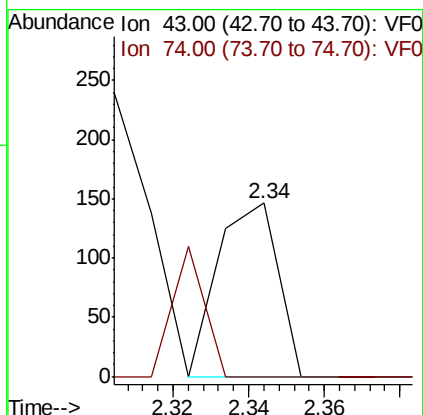
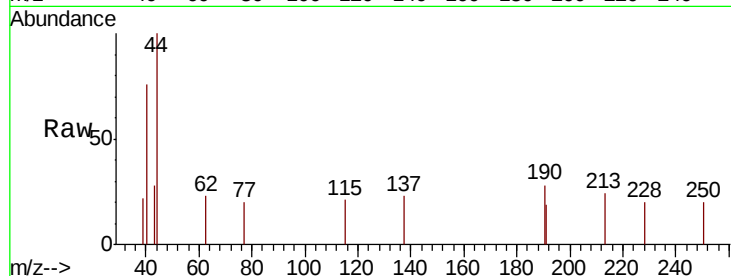




#18
Methyl Acetate
Concen: 3.324 ug/l
RT: 2.34 min Scan# 184
Delta R.T. -0.10 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

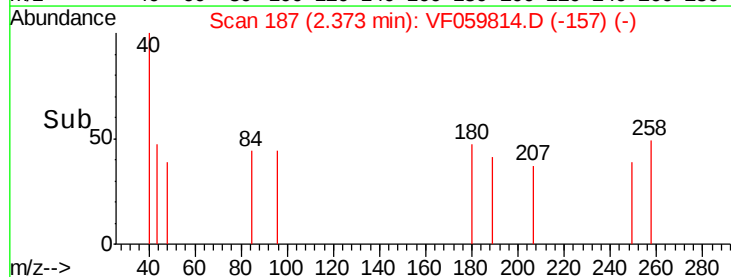
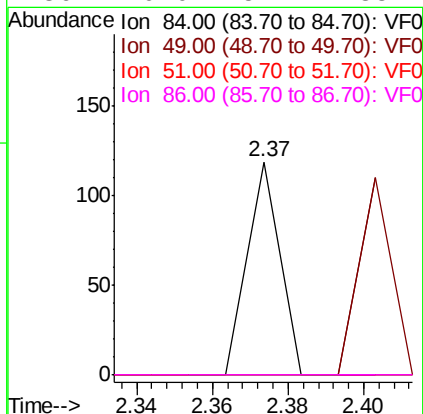
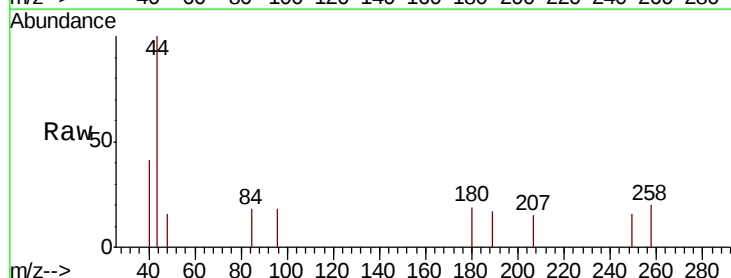
Instrument :
MSVOA_F
ClientSampled :
SB-2

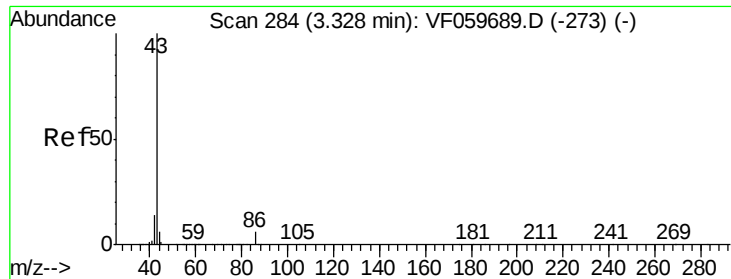
Tot Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.37 min Scan# 187
Delta R.T. 0.10 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 84 Resp: 70
Ion Ratio Lower Upper
84 100
49 0.0 142.2 213.4#
51 0.0 46.2 69.2#
86 0.0 57.1 85.7#





#23

Vinyl Acetate

Concen: 1.188 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

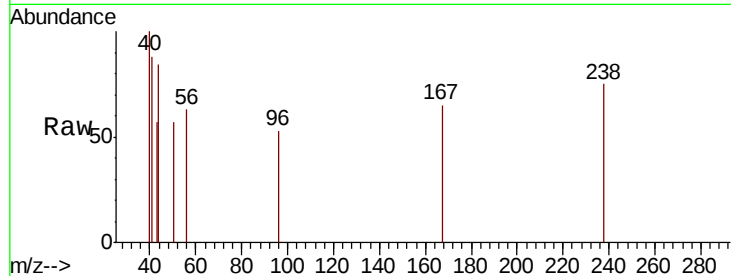
SB-2

Tot Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

86 0.0 4.6 6.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

120

100

80

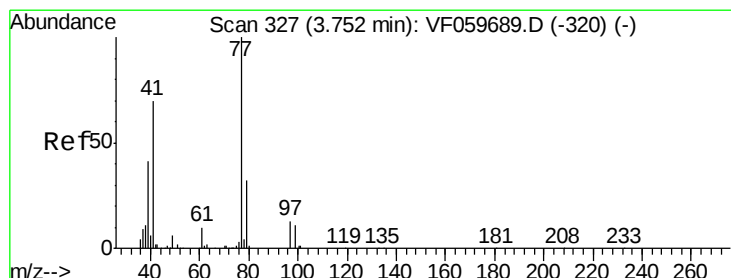
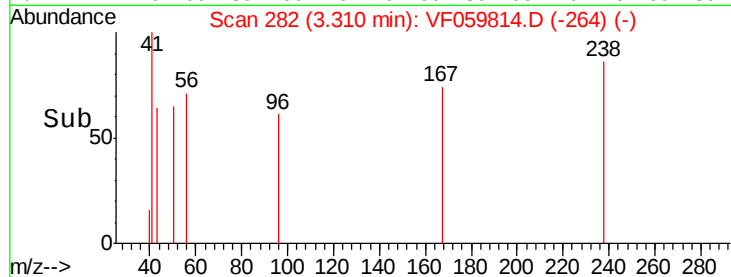
60

40

20

0

Time-->



#26

2,2-Dichloropropane

Concen: 1.214 ug/l

RT: 3.65 min Scan# 316

Delta R.T. -0.11 min

Lab File: VF059814.D

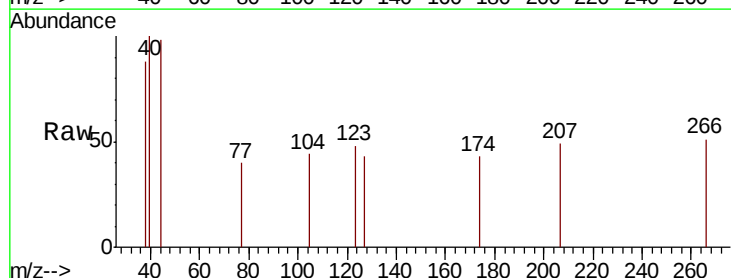
Acq: 2 Aug 2018 21:30

Tgt Ion: 77 Resp: 63

Ion Ratio Lower Upper

77 100

97 0.0 6.8 20.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.65

120

100

80

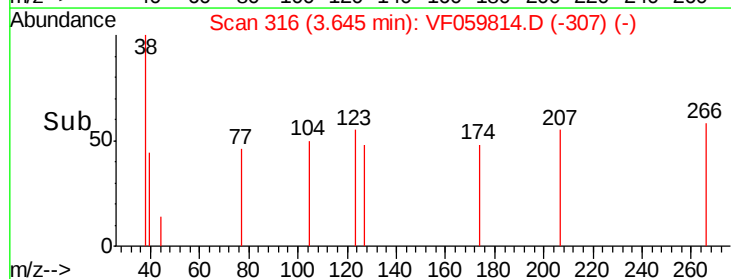
60

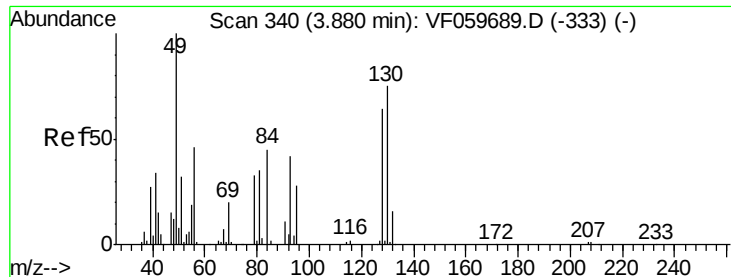
40

20

0

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 3.85 min Scan# 337

Delta R.T. -0.03 min

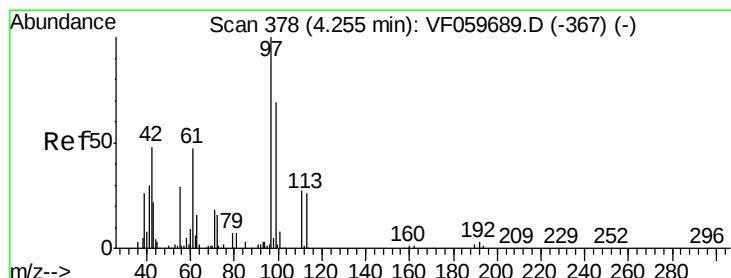
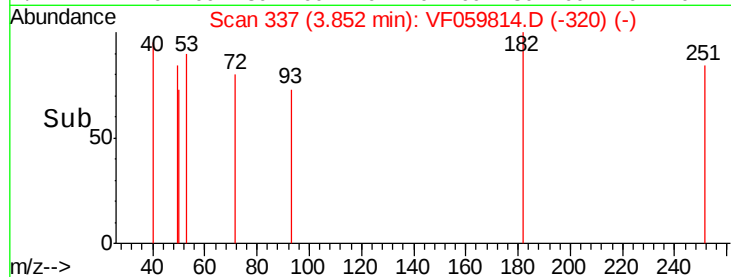
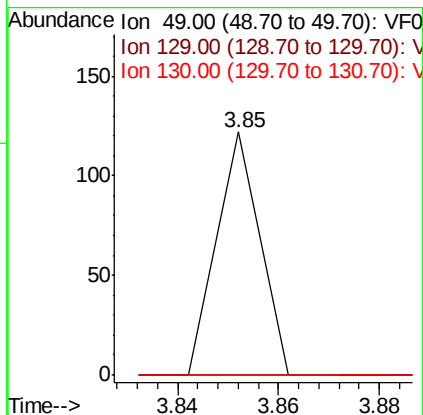
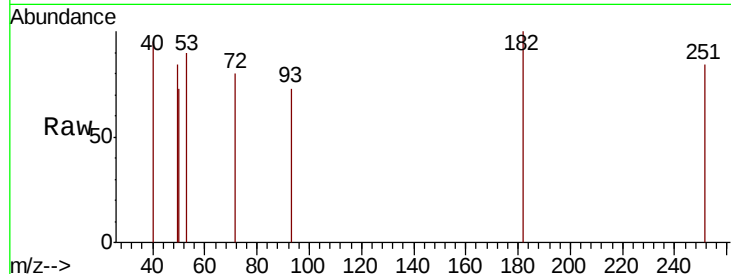
Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
SB-2

Tot Ion: 49 Resp: 72

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



#29

Tetrahydrofuran

Concen: 18.539 ug/l

RT: 4.32 min Scan# 384

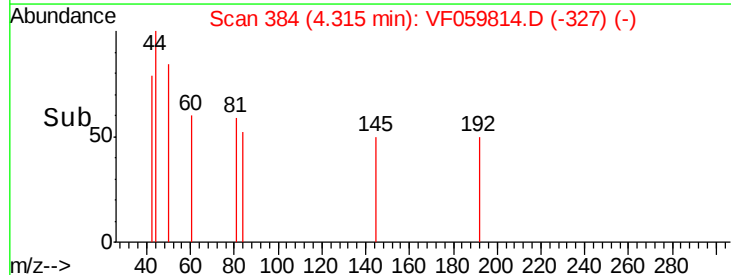
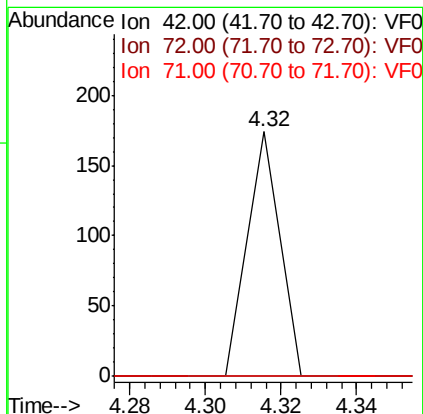
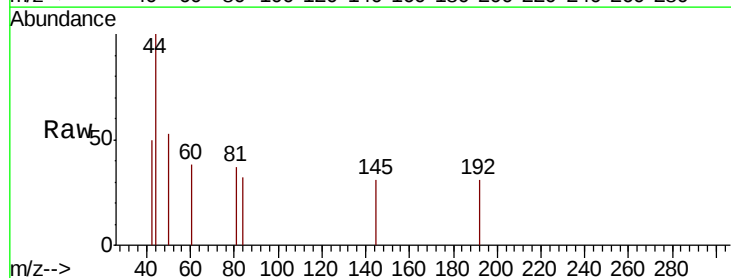
Delta R.T. 0.06 min

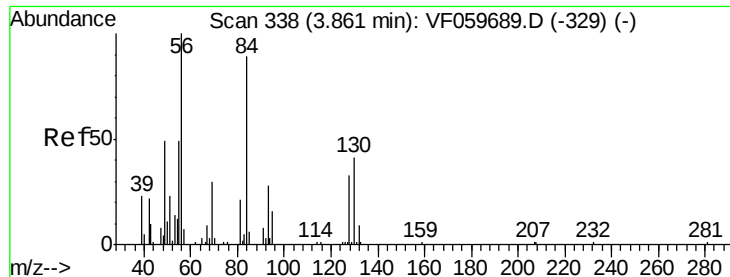
Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Tgt Ion: 42 Resp: 103

Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.0	40.6#
71	0.0	29.7	44.5#

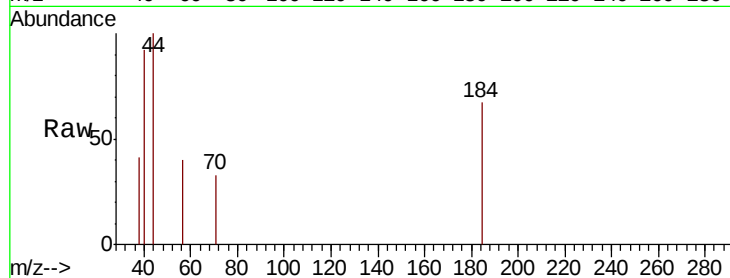




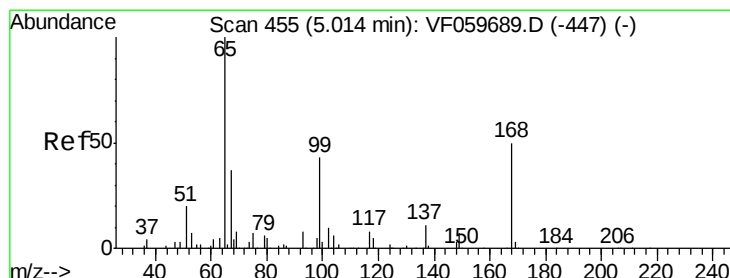
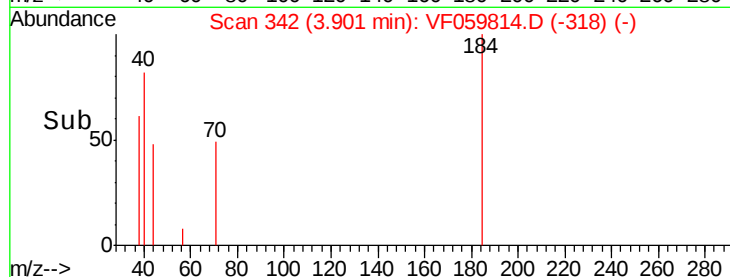
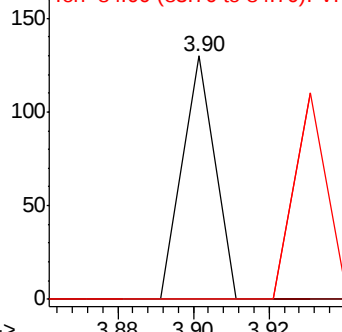
#31
Cvclohexane
Concen: Below Cal
RT: 3.90 min Scan# 342
Delta R.T. 0.04 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
SB-2

Tot Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

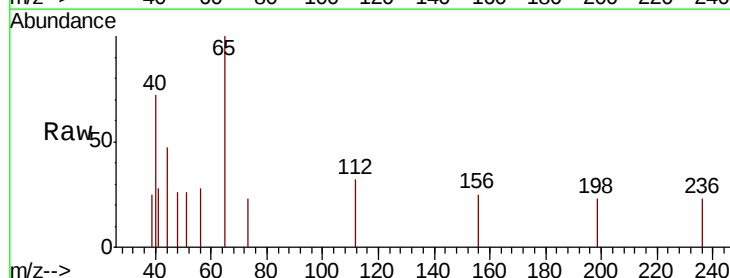


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

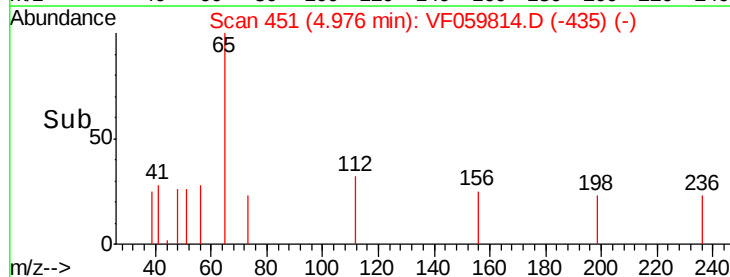
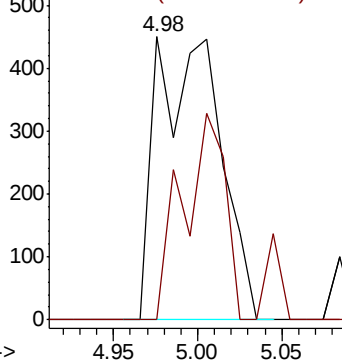


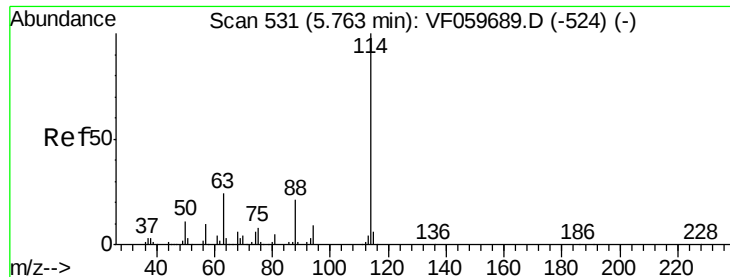
#33
1,2-Dichloroethane-d4
Concen: 16.358 ug/l
RT: 4.98 min Scan# 451
Delta R.T. -0.04 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 65 Resp: 1178
Ion Ratio Lower Upper
65 100
67 0.0 0.0 84.6



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: 5.74 min Scan# 529

Delta R.T. -0.02 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

SB-2

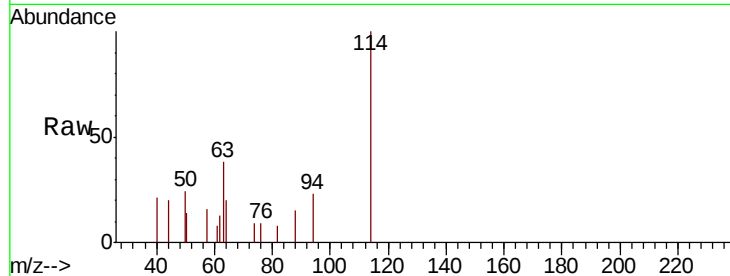
Tot Ion:114 Resp: 2967

Ion Ratio Lower Upper

114 100

63 37.8 0.0 47.4

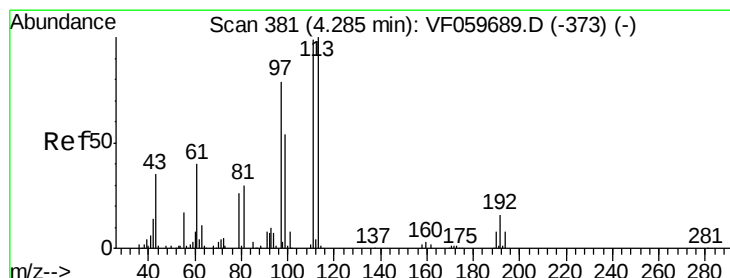
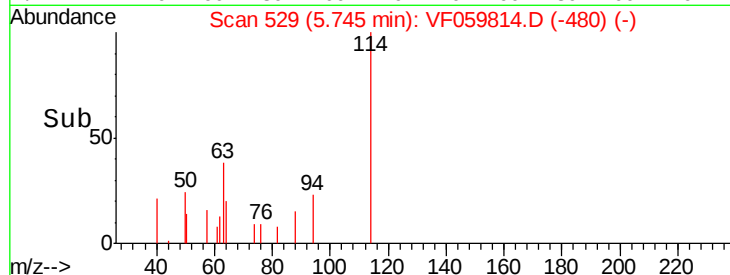
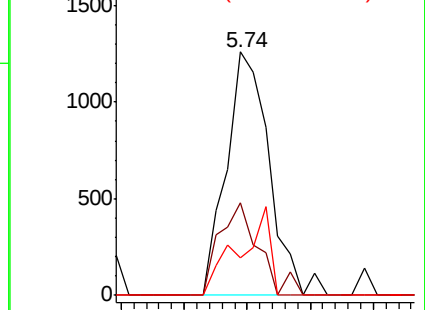
88 15.3 0.0 41.2



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: 32.093 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

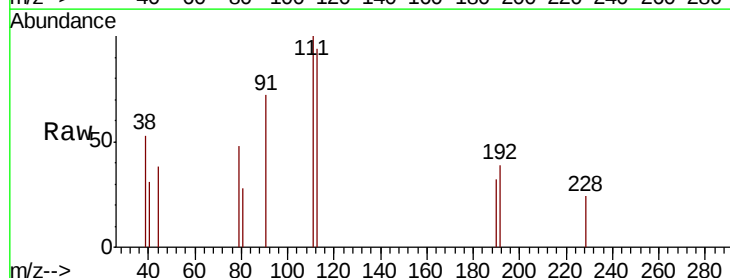
Tgt Ion:113 Resp: 989

Ion Ratio Lower Upper

113 100

111 106.2 79.0 118.4

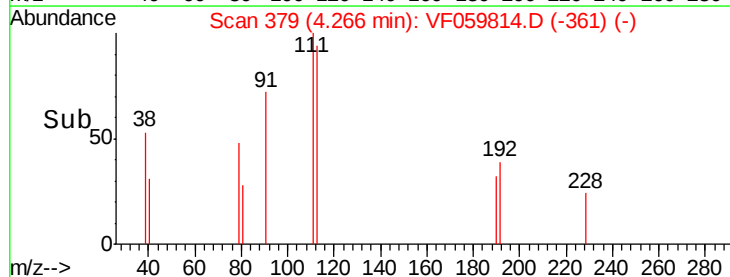
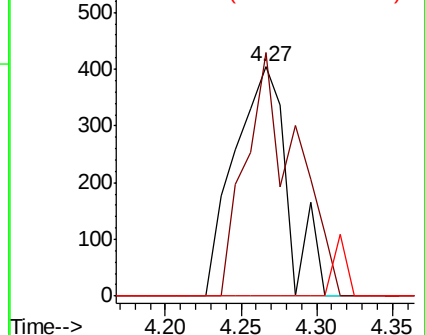
192 0.0 13.2 19.8#

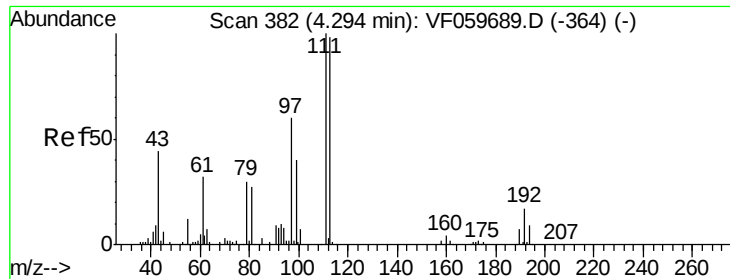


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

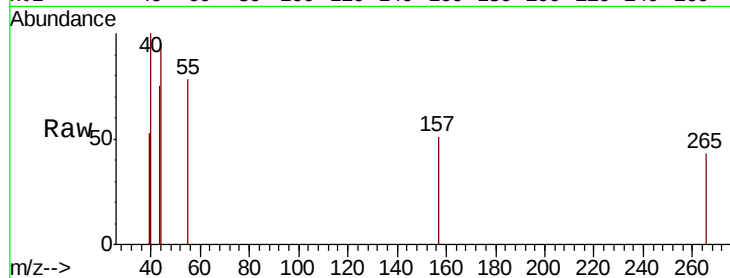




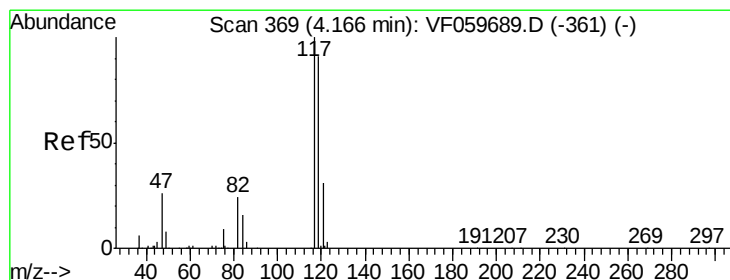
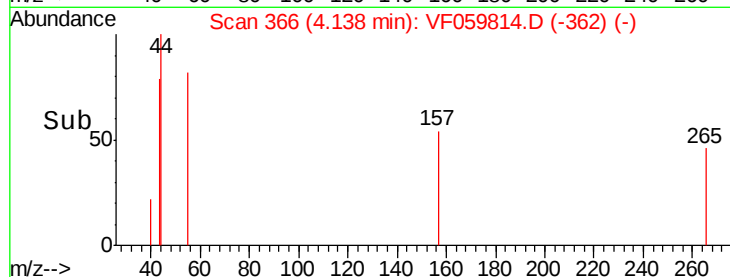
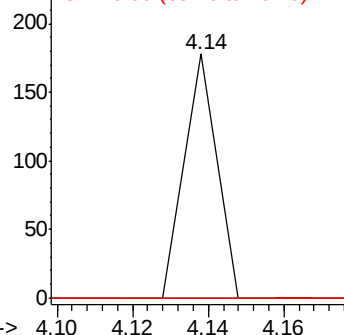
#37
Ethyl Acetate
Concen: 2.706 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.16 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Instrument :
MSVOA_F
ClientSampleID :
SB-2

Tot Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

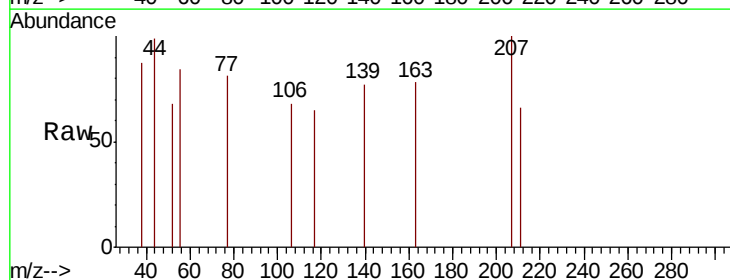


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

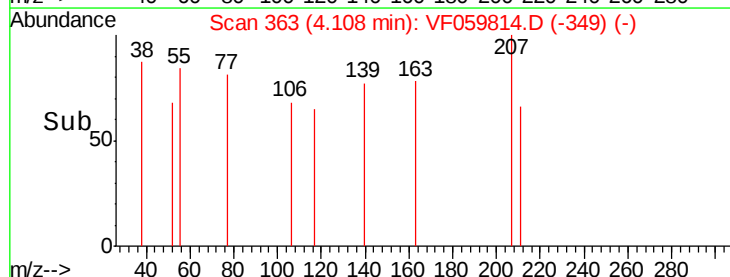
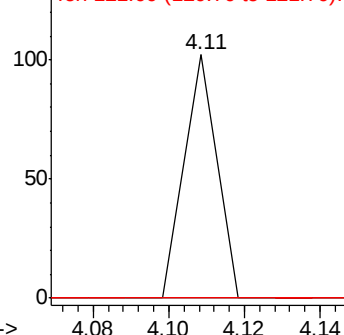


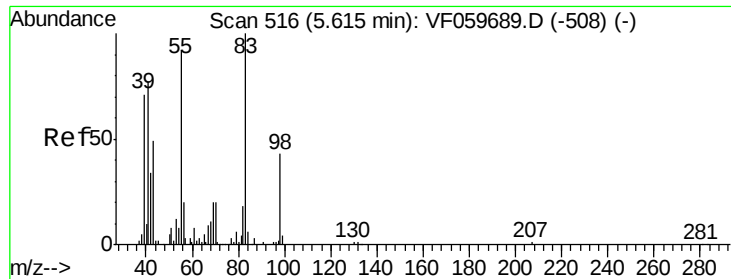
#38
Carbon Tetrachloride
Concen: 1.272 ug/l
RT: 4.11 min Scan# 363
Delta R.T. -0.06 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 117 Resp: 60
Ion Ratio Lower Upper
117 100
119 0.0 72.9 109.3#
121 0.0 25.0 37.4#



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

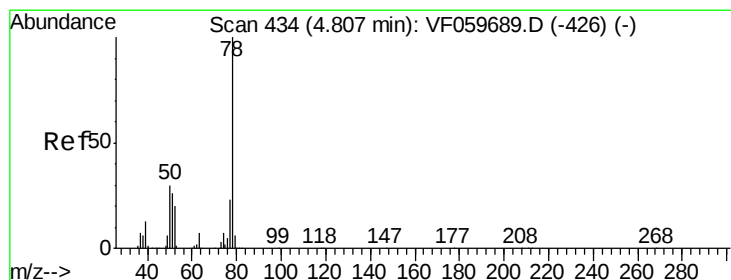
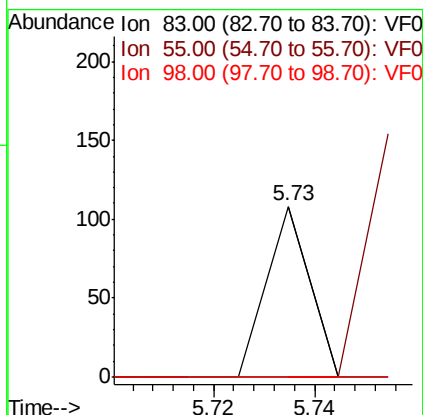
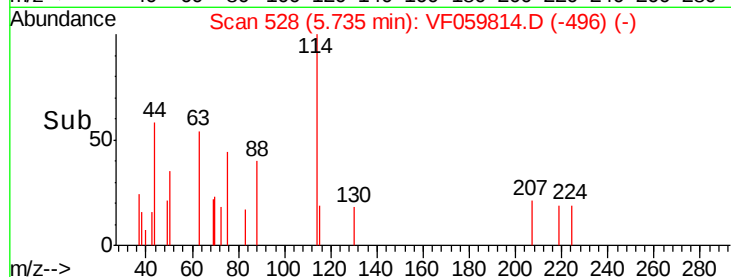
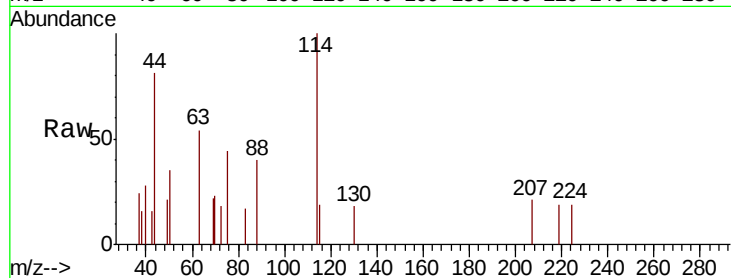




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.73 min Scan# 528
Delta R.T. 0.12 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

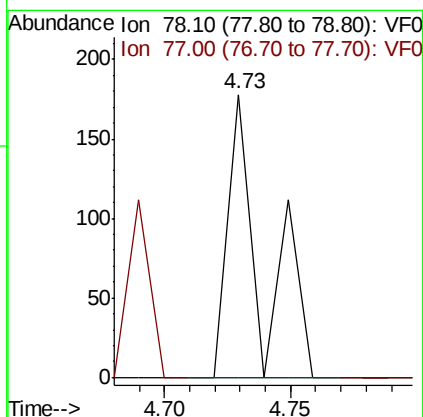
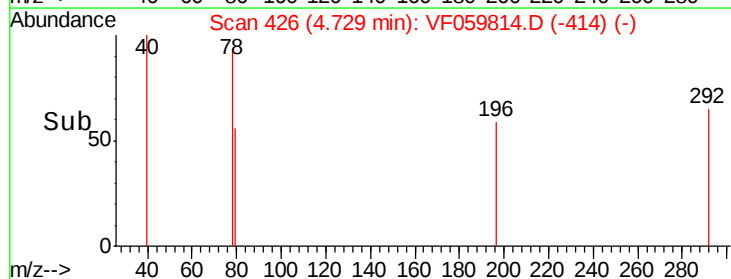
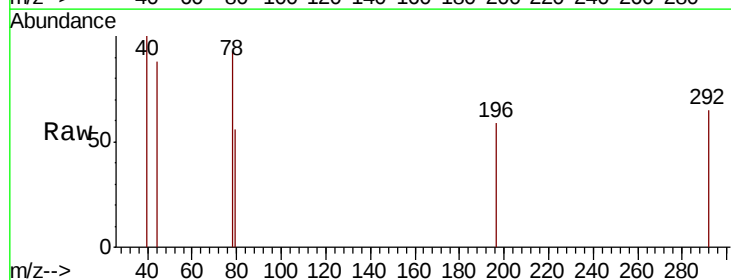
Instrument :
MSVOA_F
ClientSampled :
SB-2

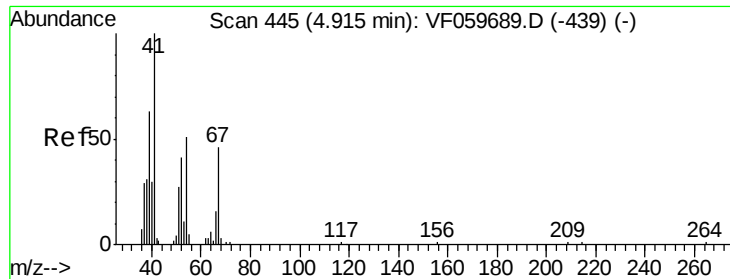
Tot Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#



#40
Benzene
Concen: 2.871 ug/l
RT: 4.73 min Scan# 426
Delta R.T. -0.08 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 78 Resp: 172
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#

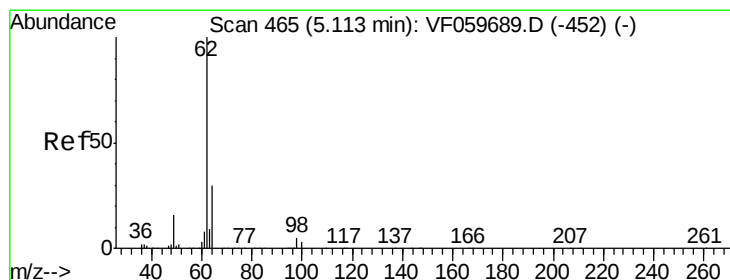
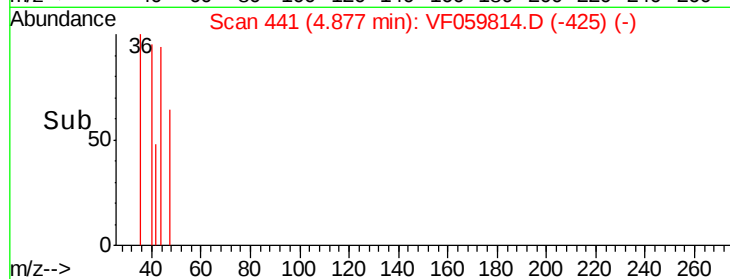
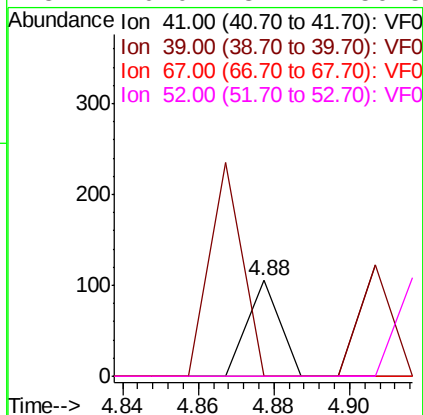
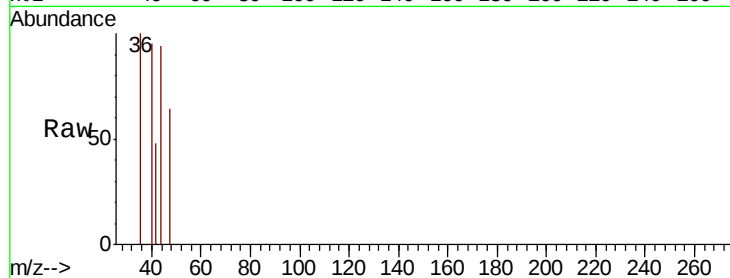




#41
Methacrylonitrile
Concen: 5.819 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.04 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

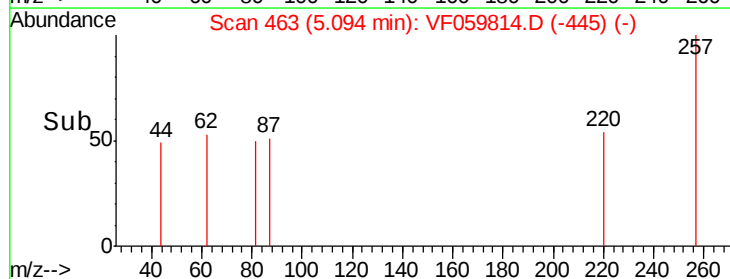
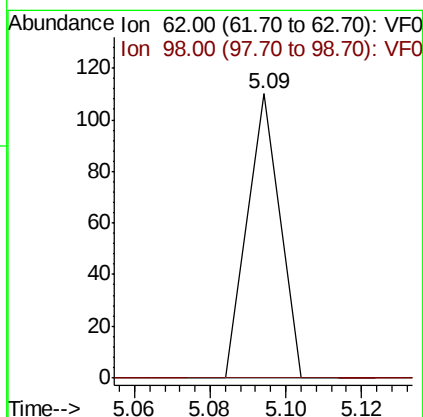
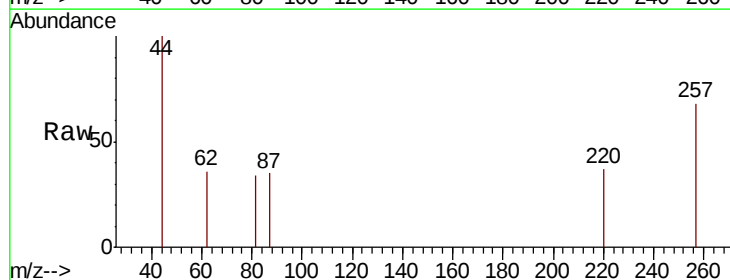
Instrument :
MSVOA_F
ClientSampled :
SB-2

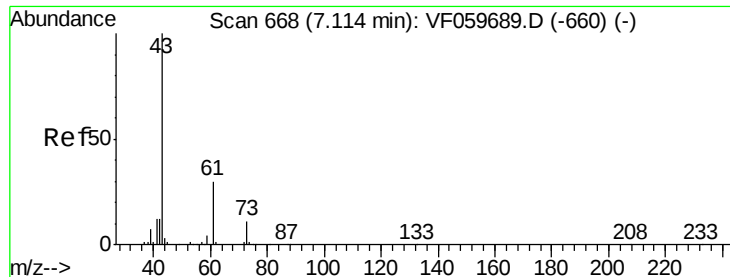
Tot Ion:	41	Resp:	62
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#



#42
1,2-Dichloroethane
Concen: 1.550 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.02 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion:	62	Resp:	65
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	9.6





#43

Isopropyl Acetate

Concen: 3.946 ug/l

RT: 7.07 min Scan# 663

Delta R.T. -0.05 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

SB-2

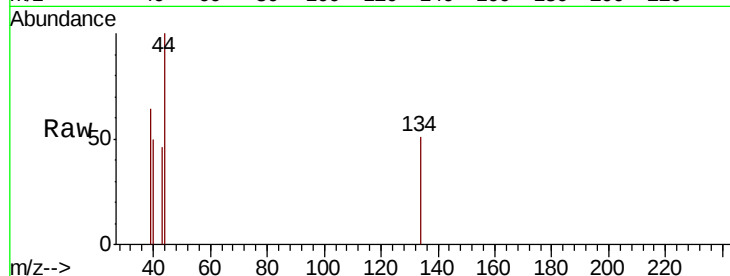
Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

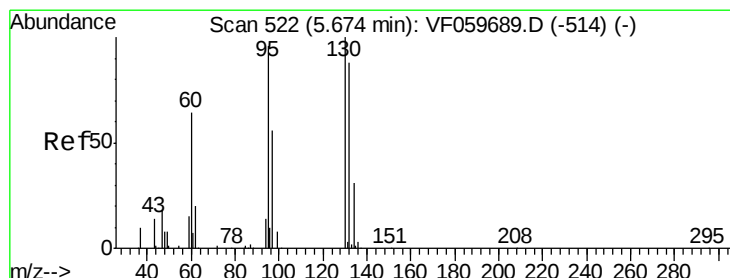
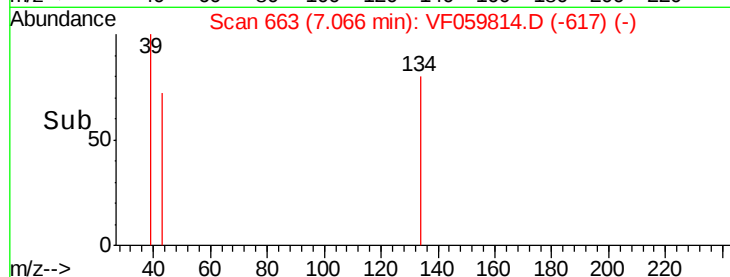
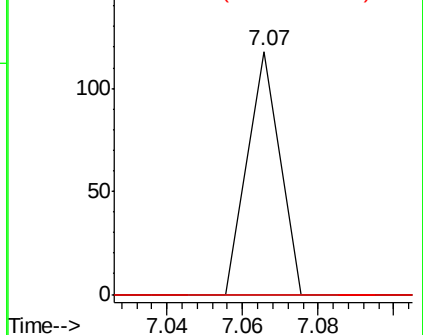
87 0.0 0.6 1.0#



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: Below Cal

RT: 5.73 min Scan# 528

Delta R.T. 0.06 min

Lab File: VF059814.D

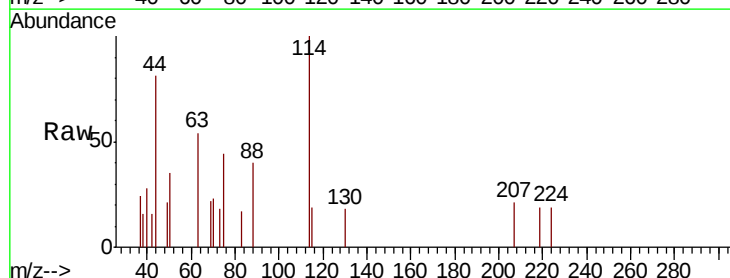
Acq: 2 Aug 2018 21:30

Tgt Ion:130 Resp: 70

Ion Ratio Lower Upper

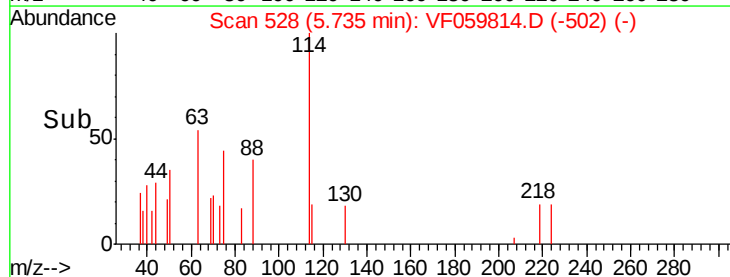
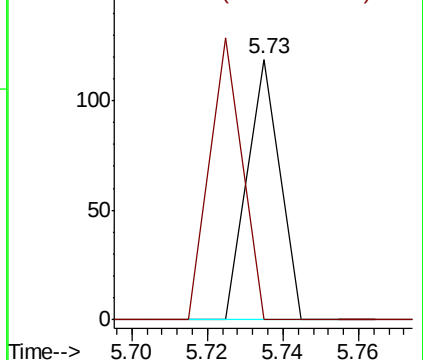
130 100

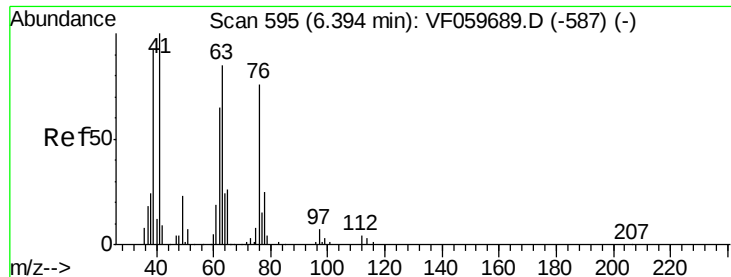
95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 3.981 ug/l

RT: 6.32 min Scan# 587

Delta R.T. -0.08 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

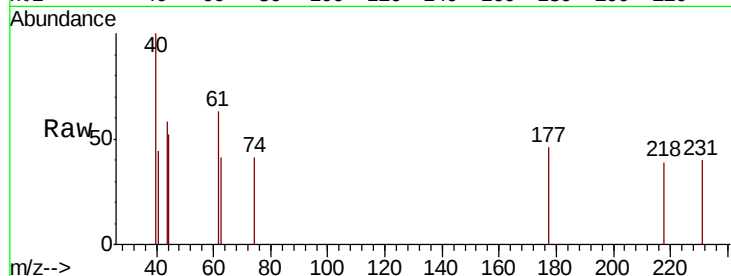
SB-2

Tot Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

65 0.0 25.2 37.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.32

120

100

80

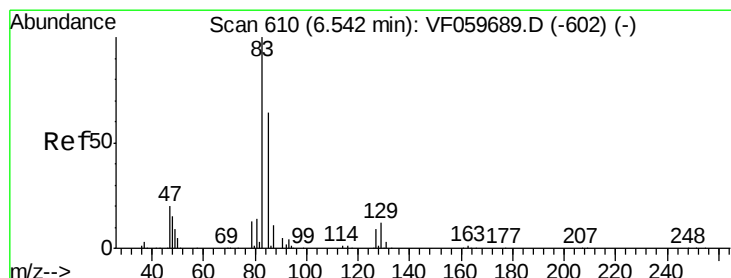
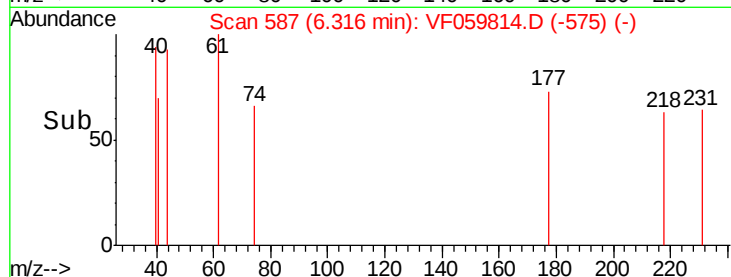
60

40

20

0

Time-->



#47

Bromodichloromethane

Concen: 1.882 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

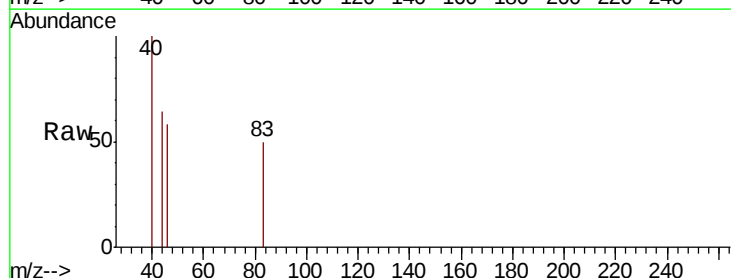
Tgt Ion: 83 Resp: 77

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

127 0.0 7.3 10.9#



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

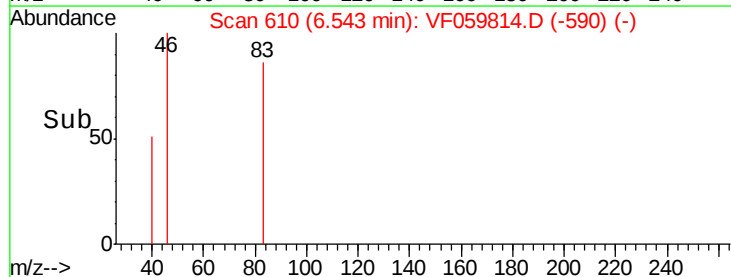
150

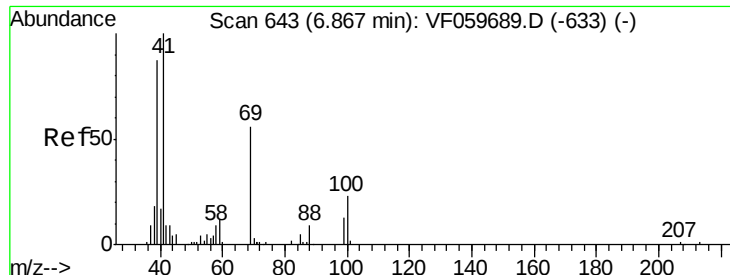
100

50

0

Time-->

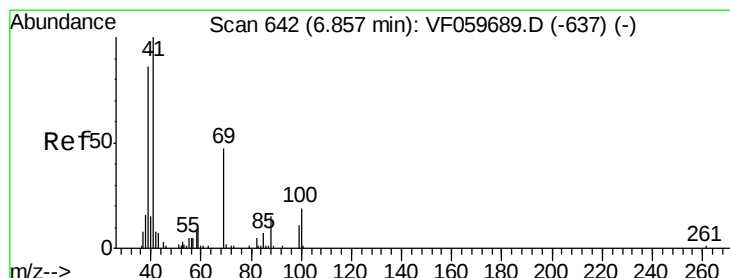
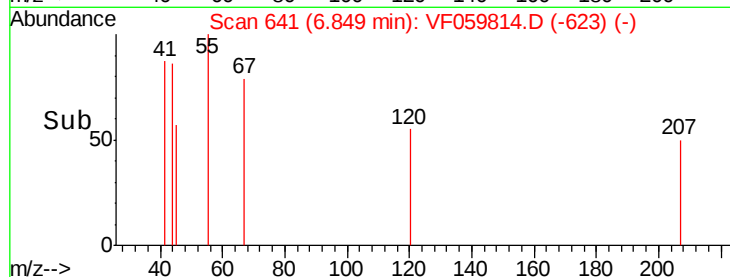
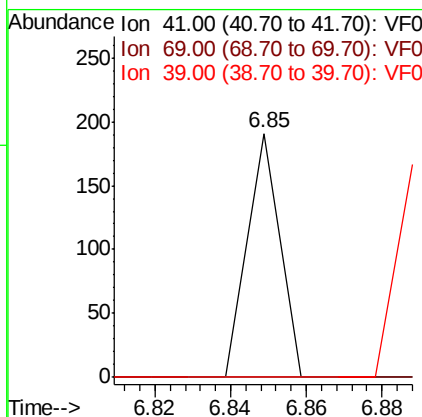
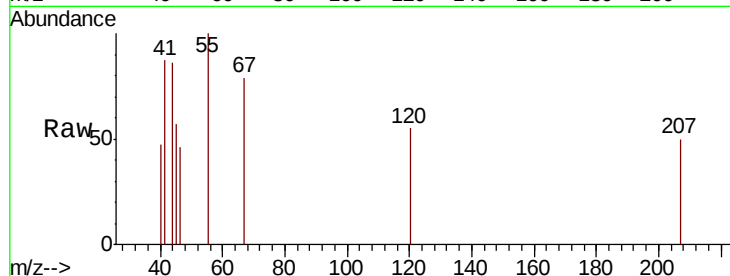




#48
Methvl methacrylate
Concen: 8.468 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

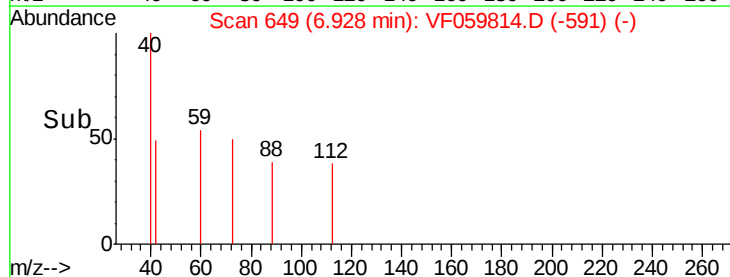
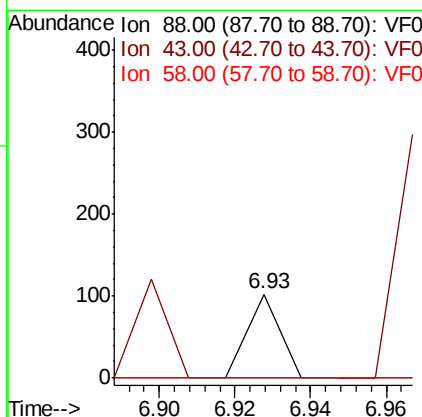
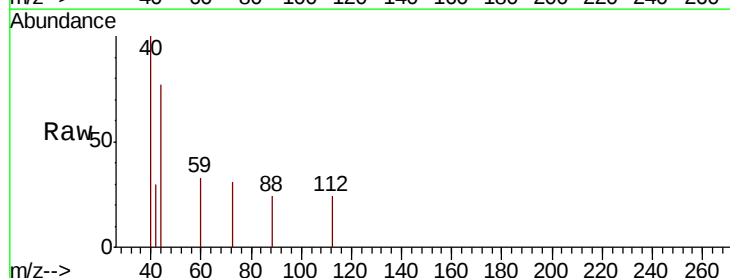
Instrument :
MSVOA_F
ClientSampleId :
SB-2

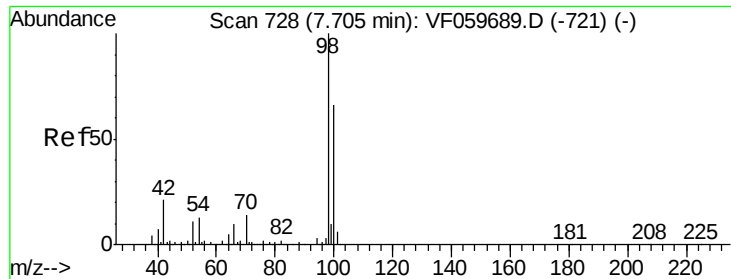
Tot Ion: 41 Resp: 113
Ion Ratio Lower Upper
41 100
69 0.0 44.4 66.6#
39 0.0 69.4 104.2#



#49
1,4-Dioxane
Concen: 699.956 ug/l
RT: 6.93 min Scan# 649
Delta R.T. 0.07 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 45.2 67.8#
58 0.0 49.0 73.6#





#50

Toluene-d8

Concen: 34.037 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampled :

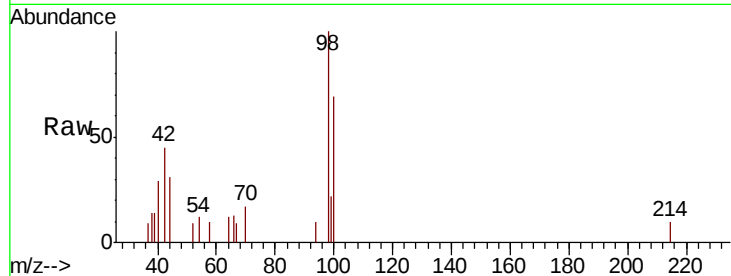
SB-2

Tot Ion: 98 Resp: 2446

Ion Ratio Lower Upper

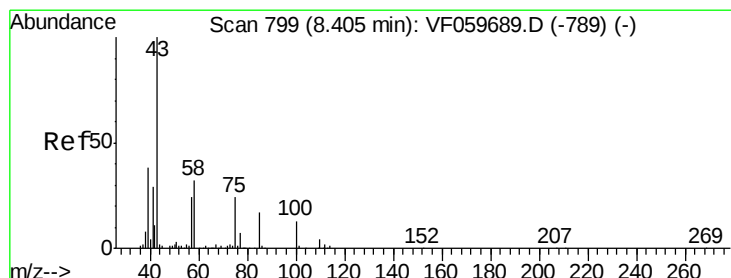
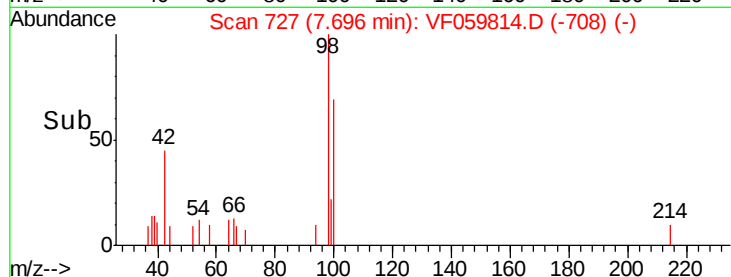
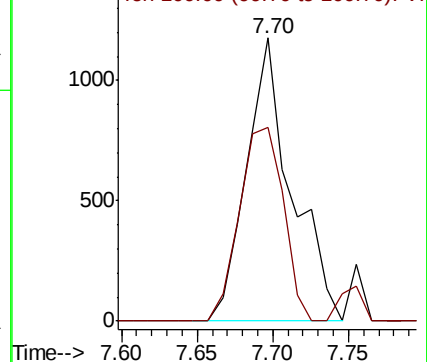
98 100

100 68.5 52.8 79.2



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: 5.557 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF059814.D

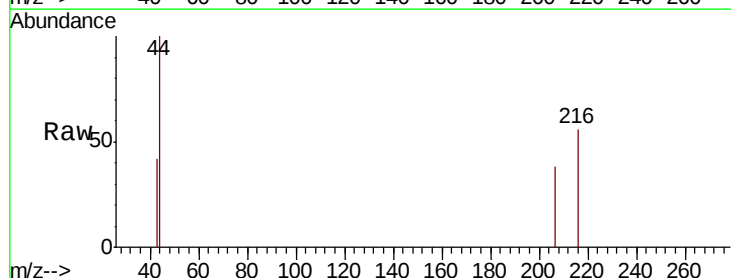
Acq: 2 Aug 2018 21:30

Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

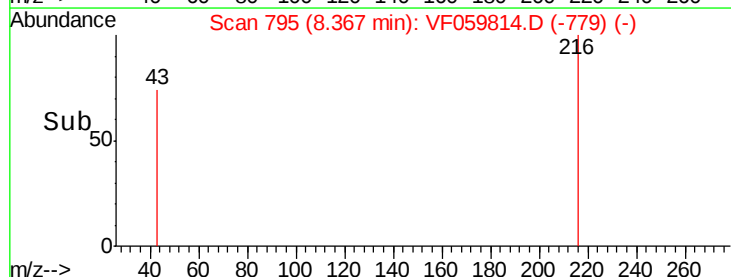
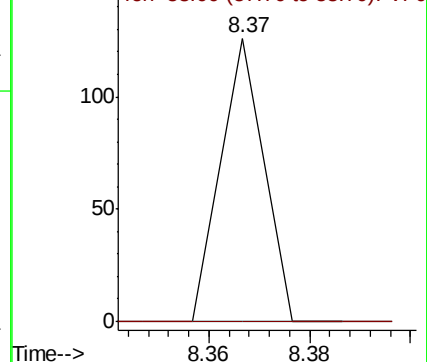
43 100

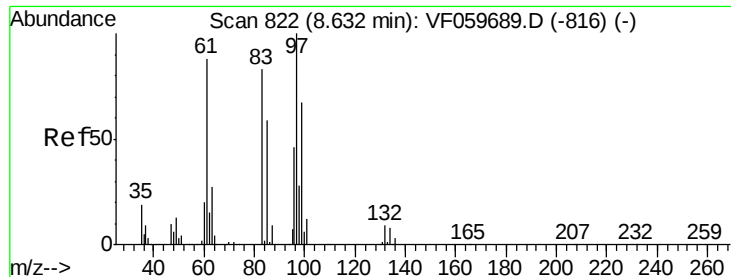
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#55

1,1,2-Trichloroethane

Concen: 4.129 ug/l

RT: 8.52 min Scan# 811

Delta R.T. -0.11 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

SB-2

Tot Ion: 97 Resp: 67

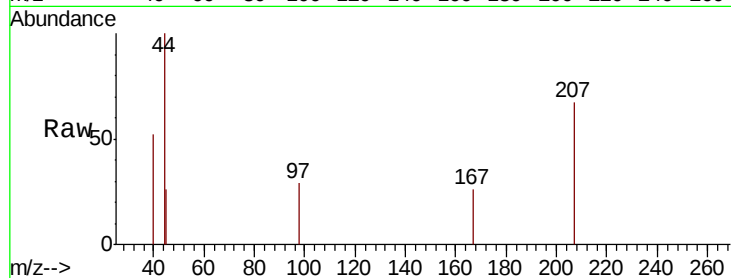
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 47.4 71.0#

99 0.0 53.2 79.8#

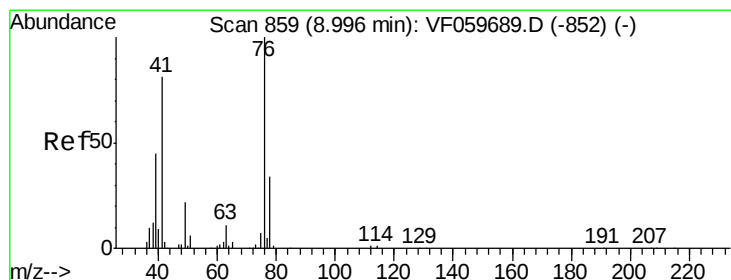
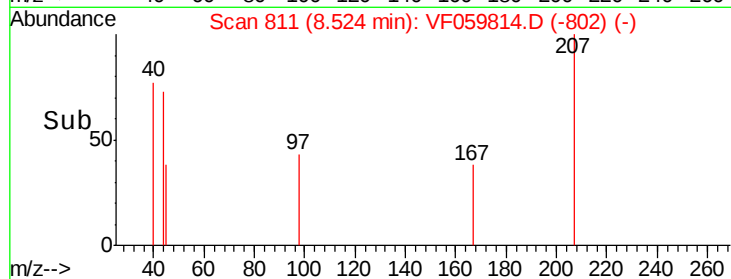
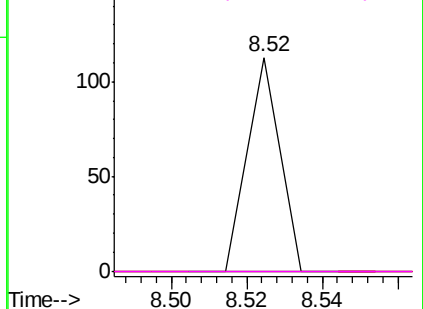


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#57

1,3-Dichloropropane

Concen: 2.514 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.04 min

Lab File: VF059814.D

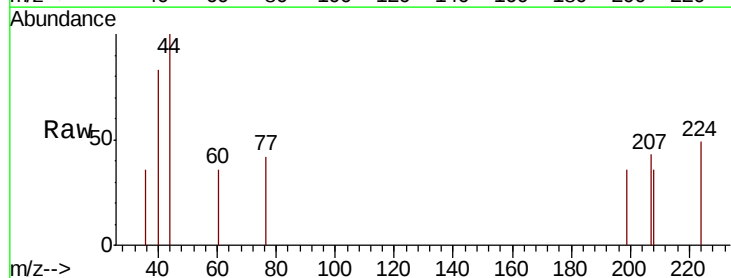
Acq: 2 Aug 2018 21:30

Tgt Ion: 76 Resp: 70

Ion Ratio Lower Upper

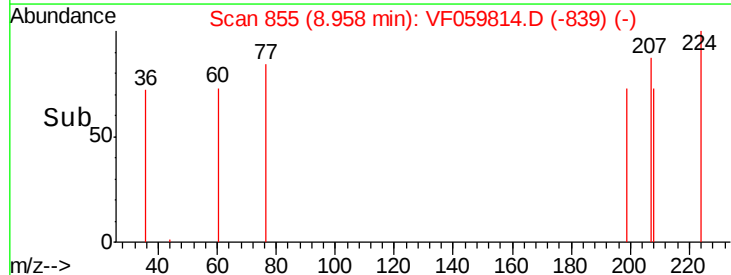
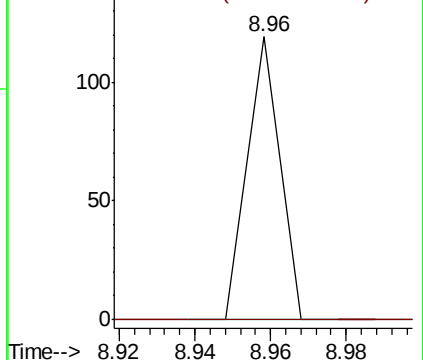
76 100

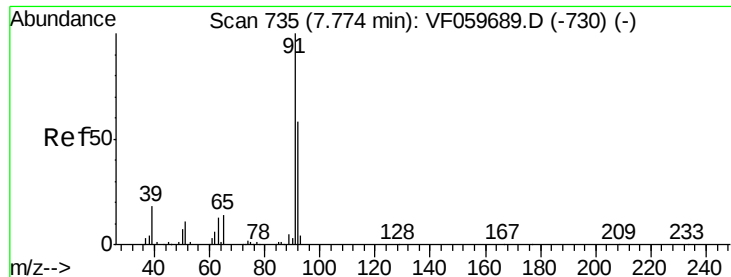
78 0.0 27.2 40.8#



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: 32.242 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

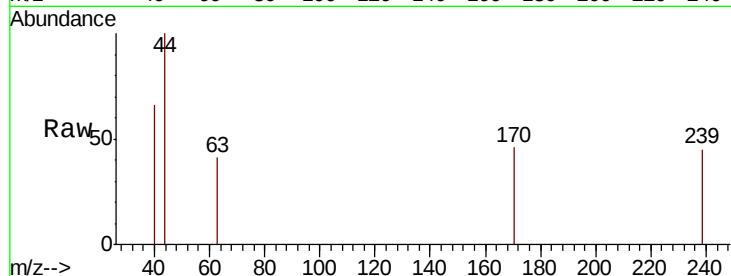
SB-2

Tot Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.78

120

100

80

60

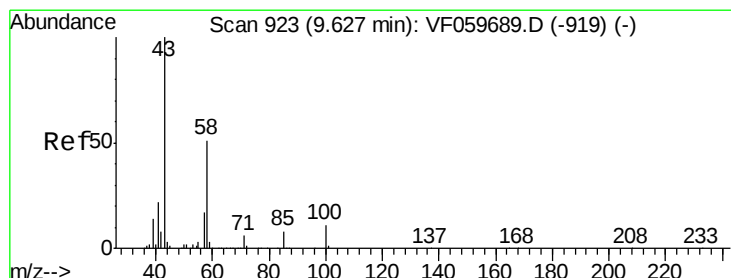
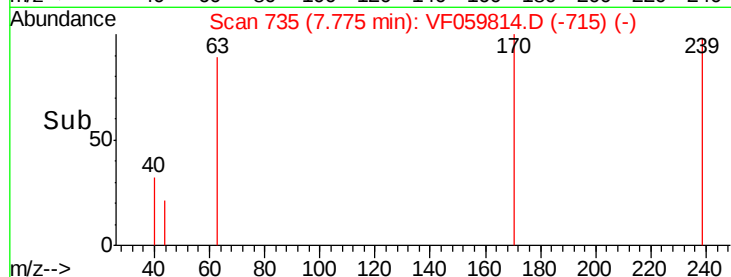
40

20

0

7.74 7.76 7.78 7.80

Time-->



#59

2-Hexanone

Concen: 5.640 ug/l

RT: 9.58 min Scan# 918

Delta R.T. -0.05 min

Lab File: VF059814.D

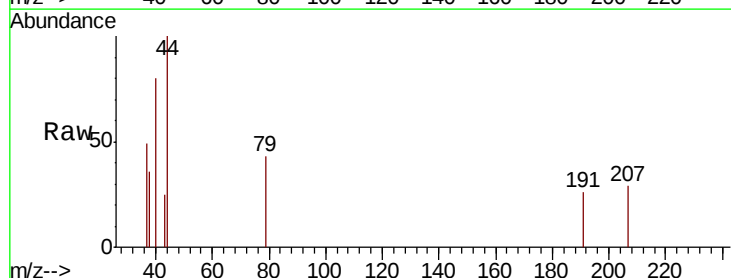
Acq: 2 Aug 2018 21:30

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.58

120

100

80

60

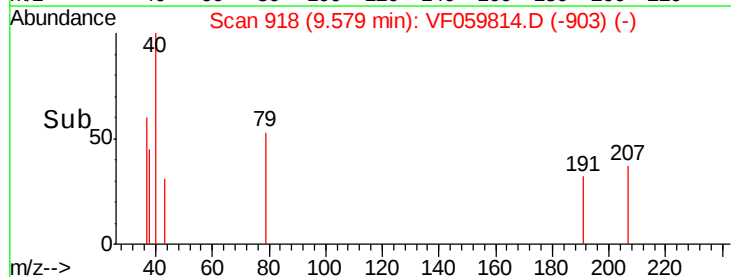
40

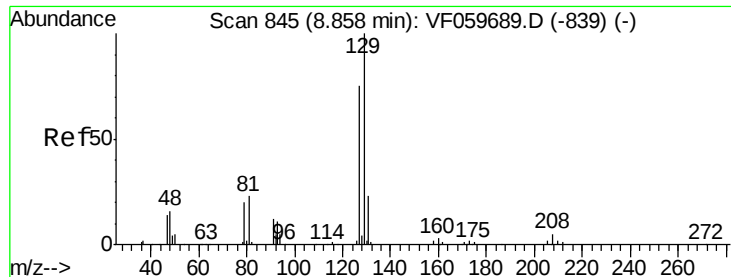
20

0

9.54 9.56 9.58 9.60

Time-->





#60

Dibromochloromethane

Concen: 2.619 ug/l

RT: 8.71 min Scan# 830

Delta R.T. -0.15 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampled :

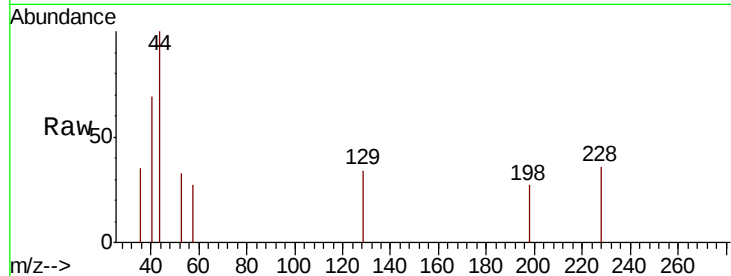
SB-2

Tot Ion:129 Resp: 75

Ion Ratio Lower Upper

129 100

127 0.0 37.7 113.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.71

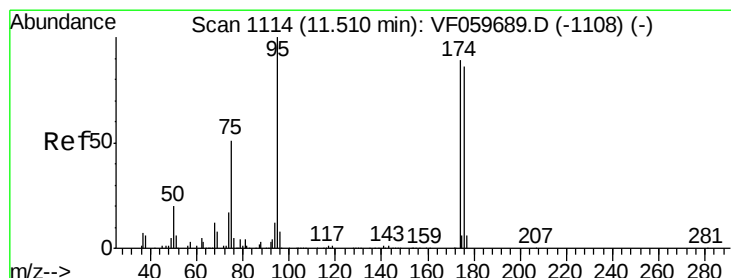
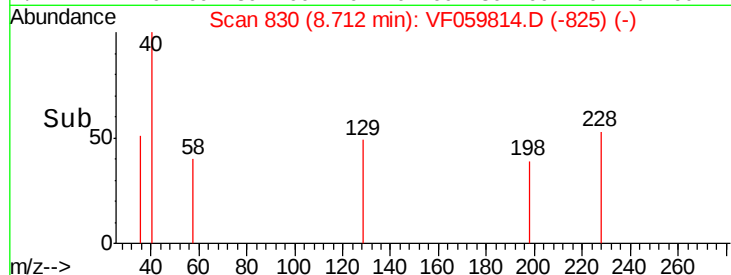
100

50

0

Time-->

8.68 8.70 8.72 8.74



#62

4-Bromofluorobenzene

Concen: 10.984 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

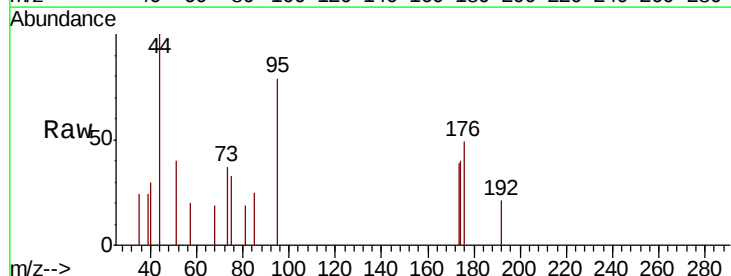
Tgt Ion: 95 Resp: 437

Ion Ratio Lower Upper

95 100

174 50.8 0.0 178.4

176 62.0 0.0 173.0



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

600

500

400

300

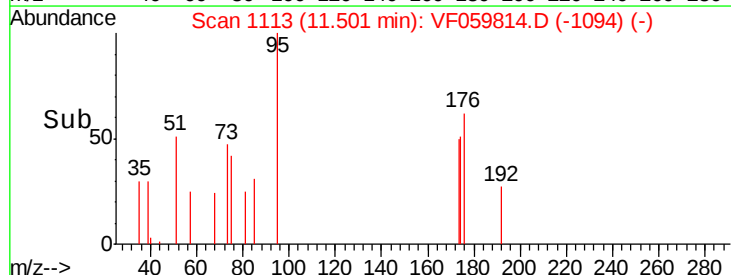
200

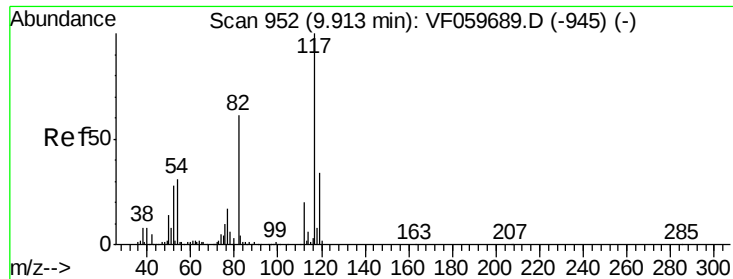
100

0

Time-->

11.45 11.50 11.55

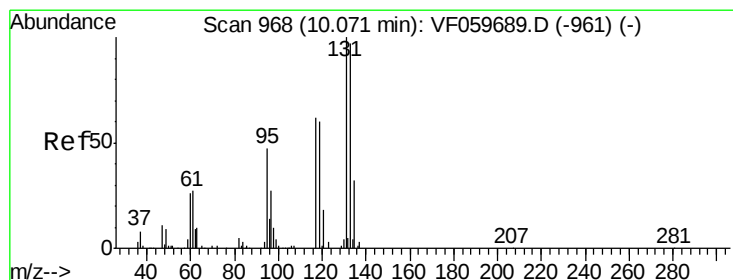
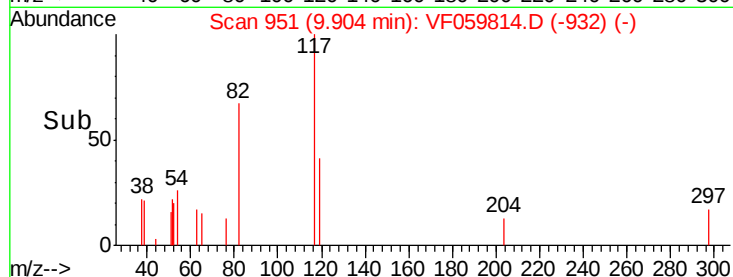
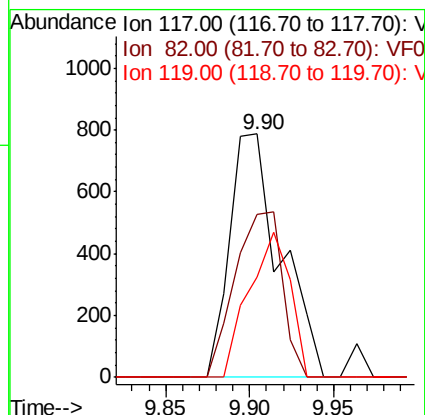
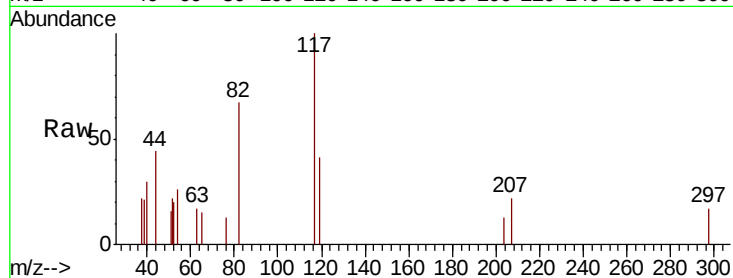




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

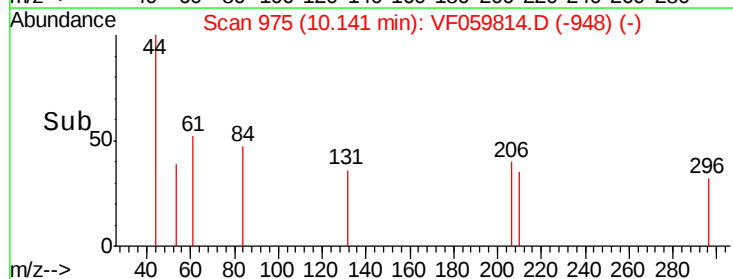
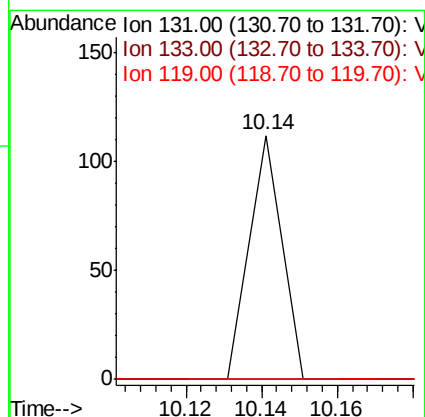
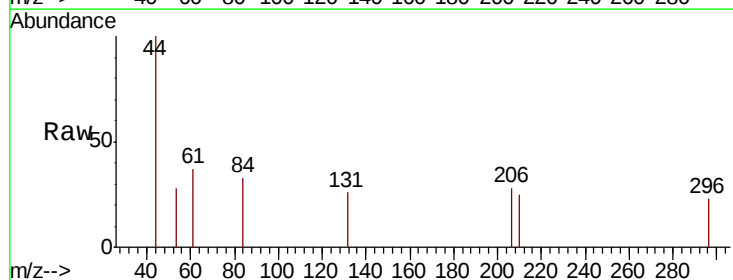
Instrument :
MSVOA_F
ClientSampled :
SB-2

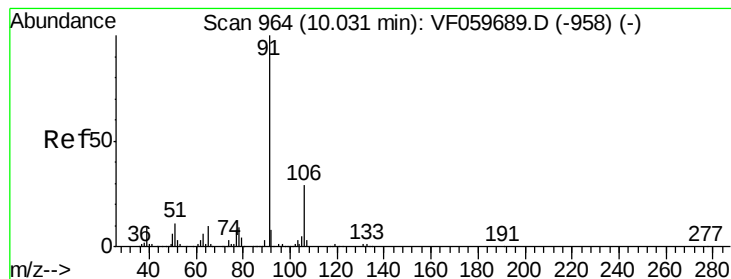
Tot Ion:117 Resp: 1655
Ion Ratio Lower Upper
117 100
82 67.0 49.0 73.4
119 41.1 27.3 40.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 4.270 ug/l
RT: 10.14 min Scan# 975
Delta R.T. 0.07 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion:131 Resp: 66
Ion Ratio Lower Upper
131 100
133 0.0 48.5 145.5#
119 0.0 30.3 90.8#





#67

Ethyl Benzene

Concen: 1.938 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.11 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampled :

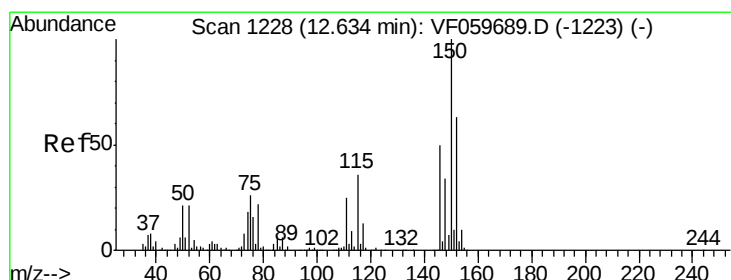
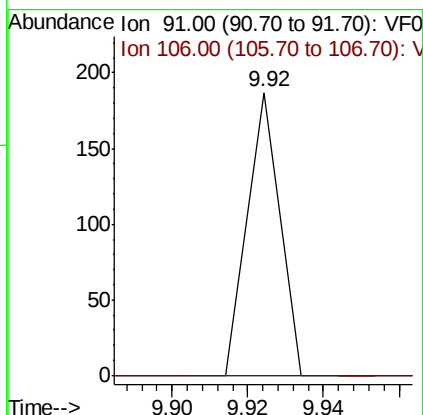
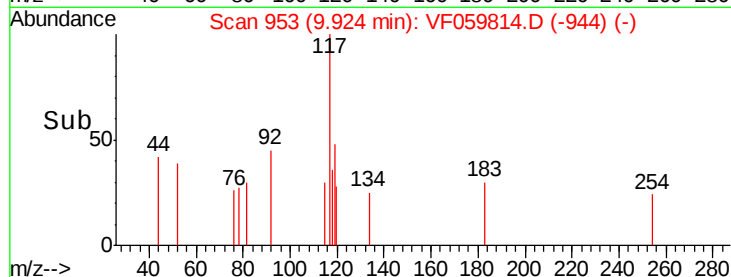
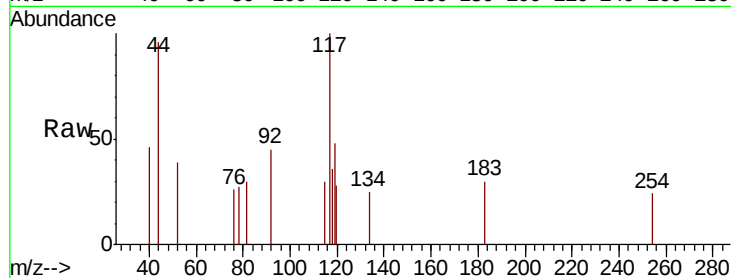
SB-2

Tot Ion: 91 Resp: 111

Ion Ratio Lower Upper

91 100

106 0.0 22.9 34.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

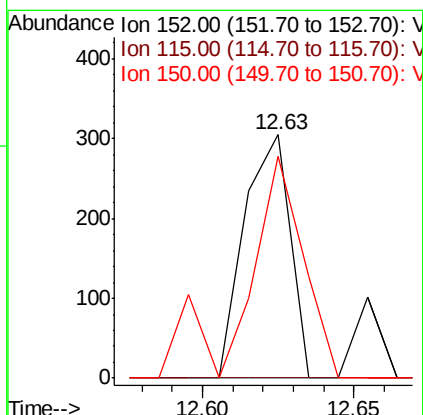
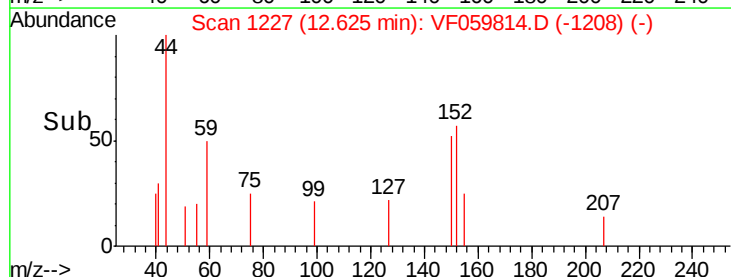
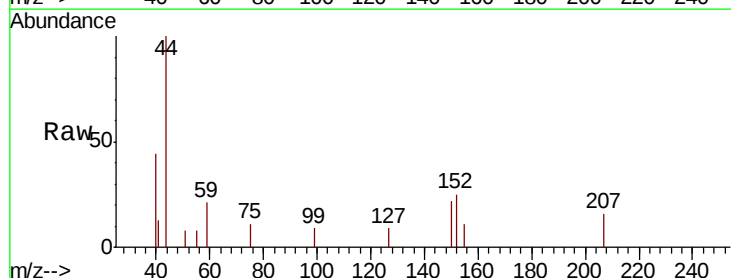
Tgt Ion: 152 Resp: 319

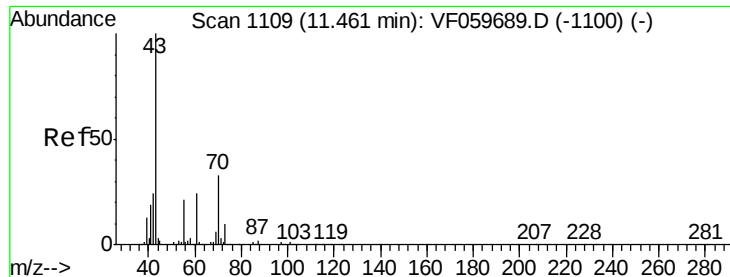
Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.6#

150 91.1 0.0 316.2





#74

N-amvl acetate

Concen: 14.203 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

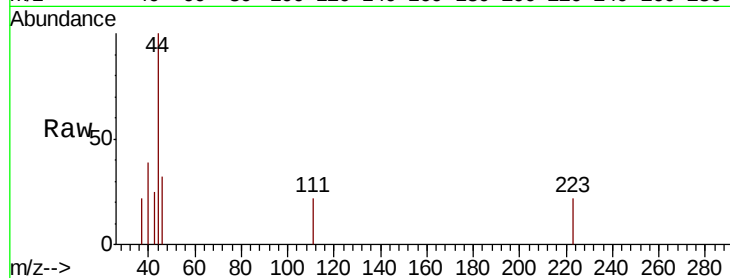
MSVOA_F

ClientSampleId :

SB-2

Tot Ion: 43 Resp: 75

Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.3	39.5#
55	0.0	16.6	25.0#
61	0.0	19.1	28.7#

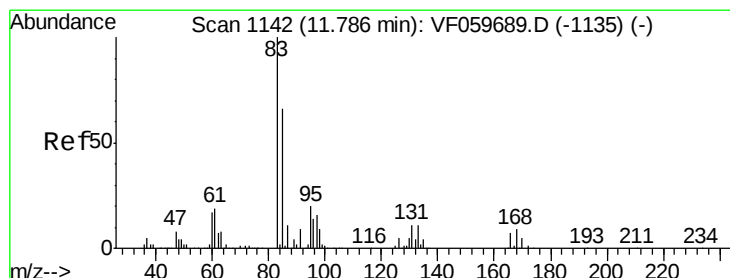
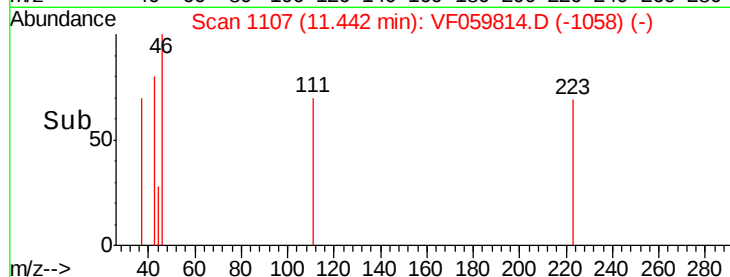
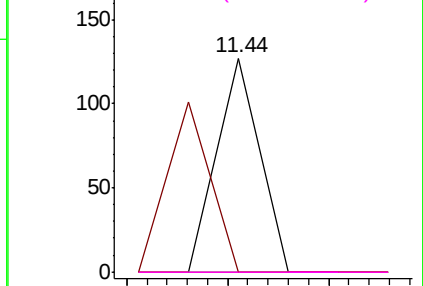


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 18.528 ug/l

RT: 11.66 min Scan# 1129

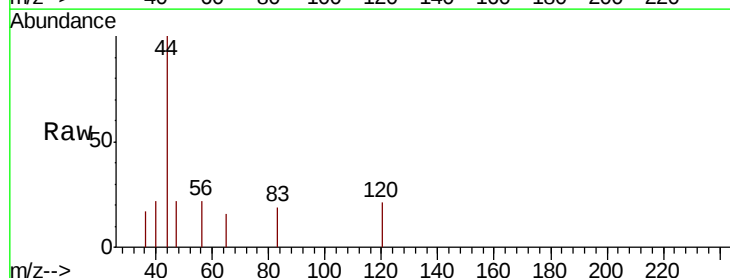
Delta R.T. -0.13 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Tgt Ion: 83 Resp: 73

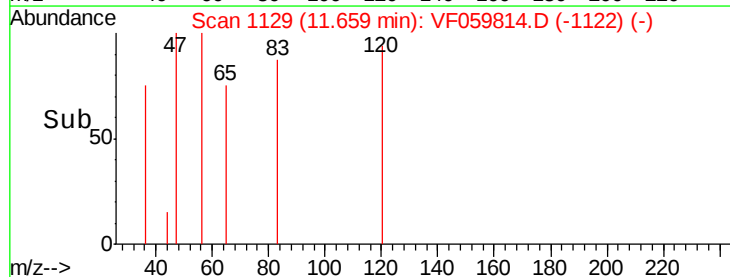
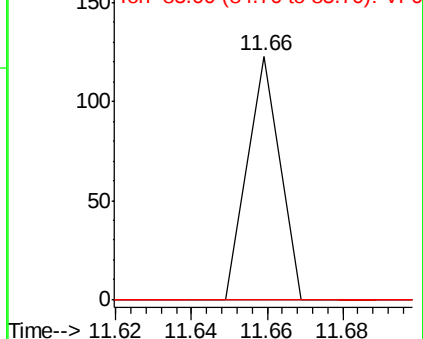
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.8	17.3#
85	0.0	32.8	98.3#

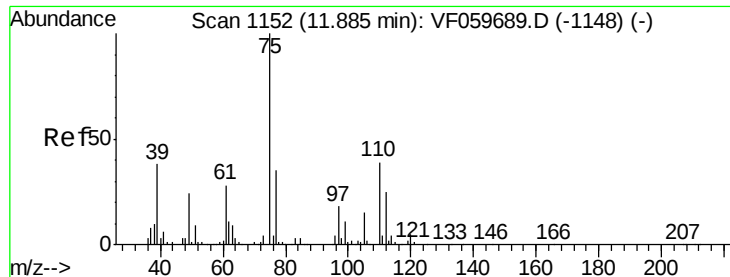


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

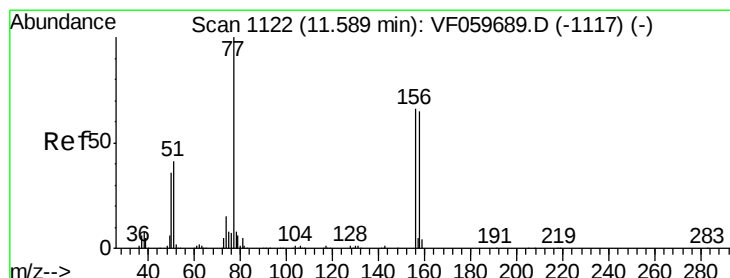
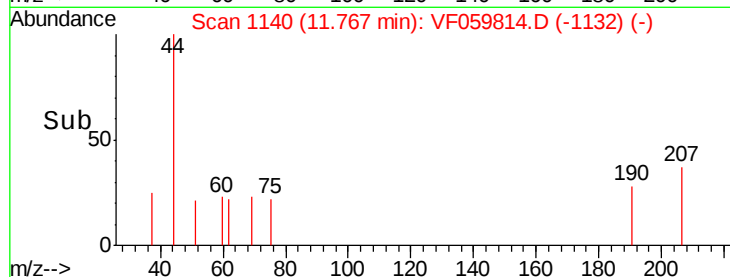
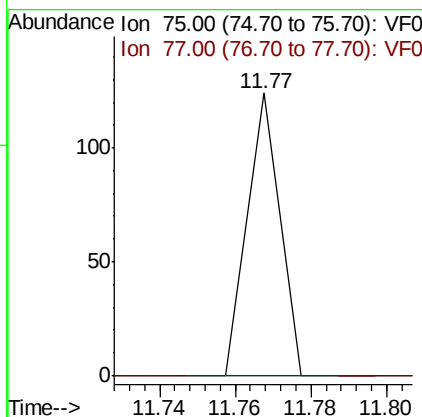
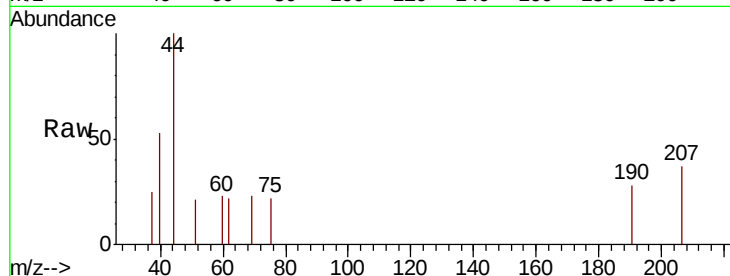




#76
 1,2,3-Trichloropropane
 Concen: 21.789 ug/l
 RT: 11.77 min Scan# 1140
 Delta R.T. -0.12 min
 Lab File: VF059814.D
 Acq: 2 Aug 2018 21:30

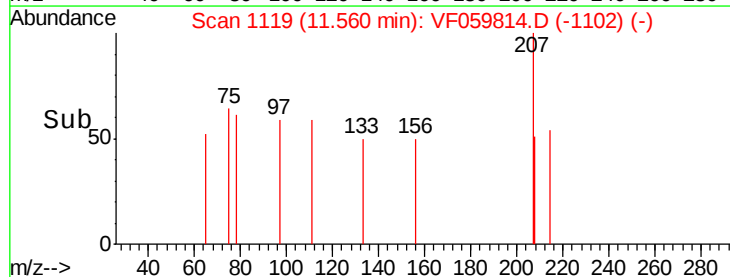
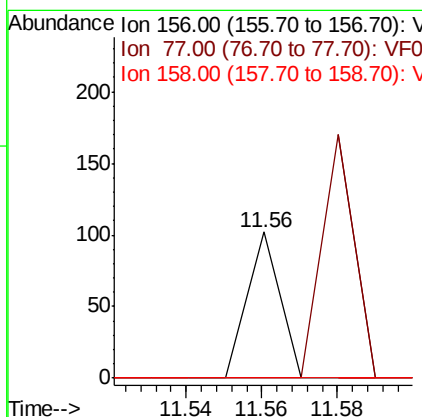
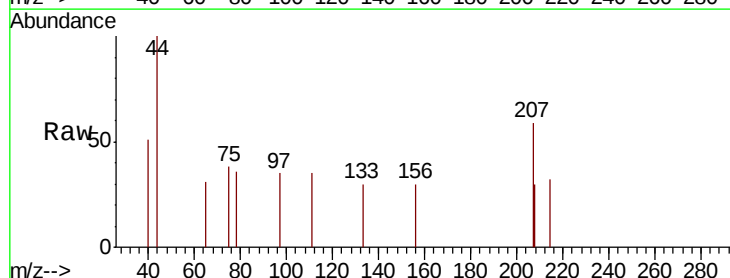
Instrument :
 MSVOA_F
 ClientSampled :
 SB-2

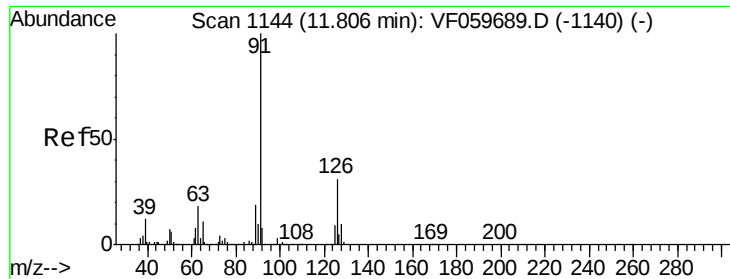
Tot Ion: 75 Resp: 73
 Ion Ratio Lower Upper
 75 100
 77 0.0 18.0 54.0#



#77
 Bromobenzene
 Concen: 10.977 ug/l
 RT: 11.56 min Scan# 1119
 Delta R.T. -0.03 min
 Lab File: VF059814.D
 Acq: 2 Aug 2018 21:30

Tgt Ion: 156 Resp: 60
 Ion Ratio Lower Upper
 156 100
 77 0.0 75.2 225.6#
 158 0.0 49.1 147.3#

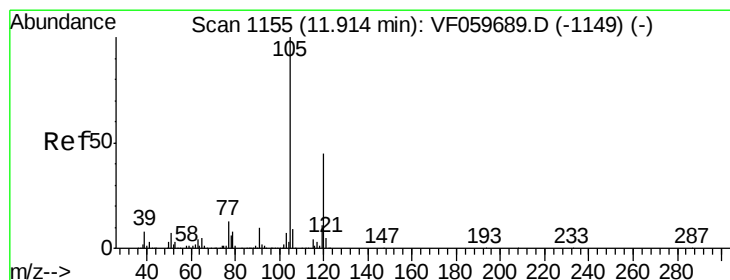
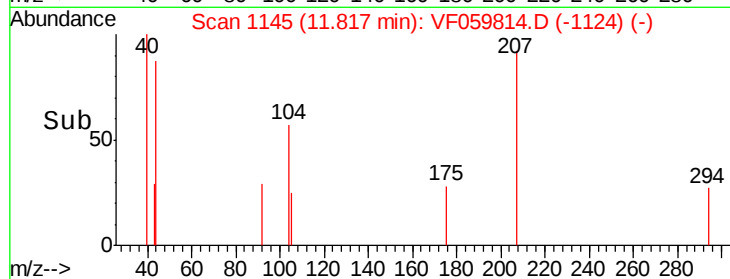
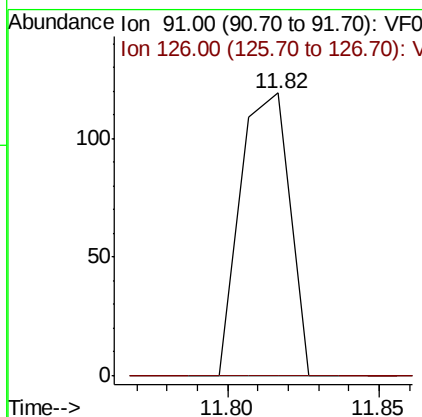
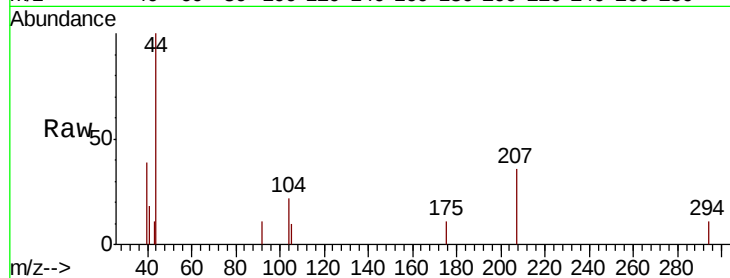




#79
 2-Chlorotoluene
 Concen: 6.147 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059814.D
 Acq: 2 Aug 2018 21:30

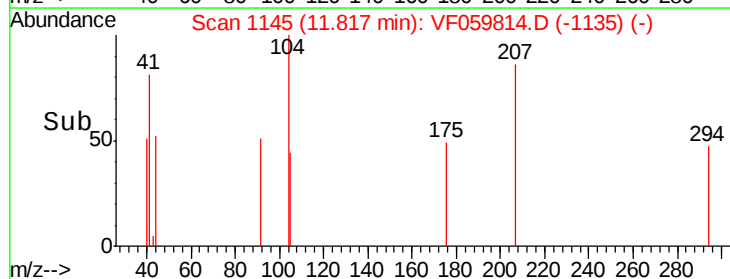
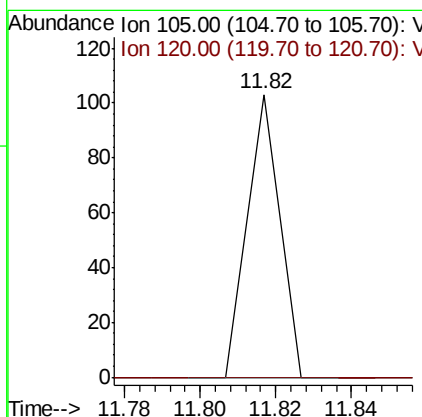
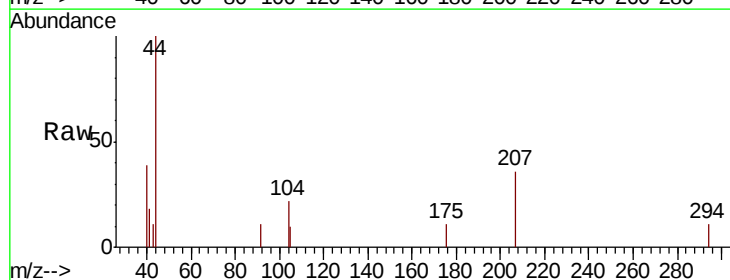
Instrument :
 MSVOA_F
 ClientSampled :
 SB-2

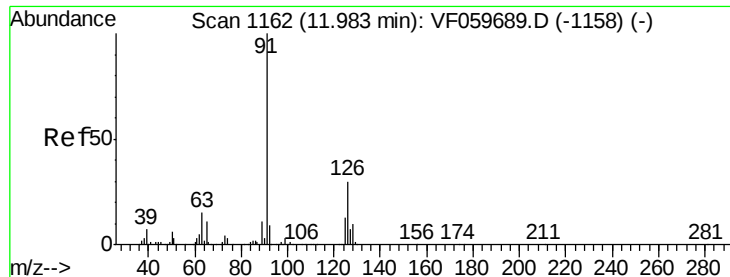
Tot Ion: 91 Resp: 135
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.4 46.2#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.10 min
 Lab File: VF059814.D
 Acq: 2 Aug 2018 21:30

Tgt Ion:105 Resp: 61
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.7 68.0#

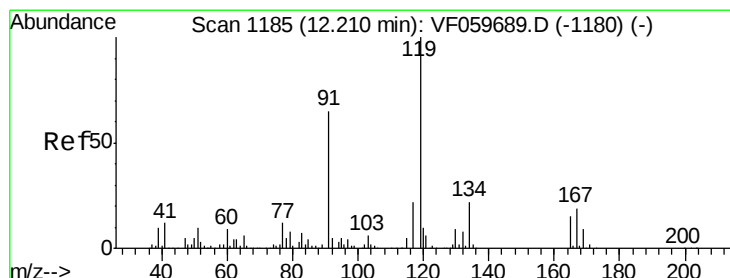
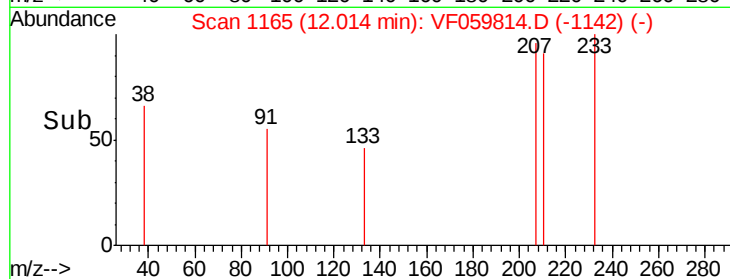
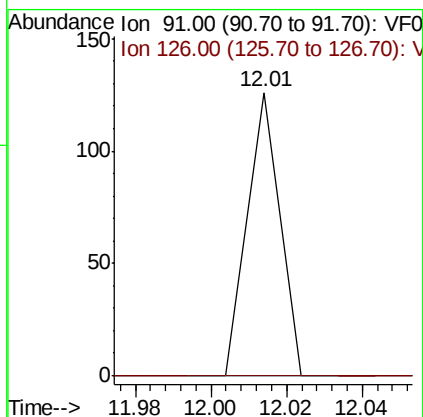
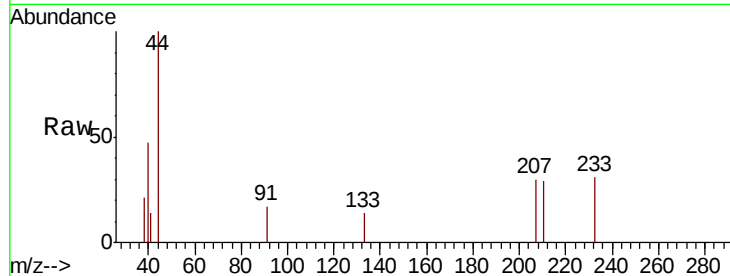




#82
4-Chlorotoluene
Concen: 1.290 ug/l
RT: 12.01 min Scan# 1165
Delta R.T. 0.03 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

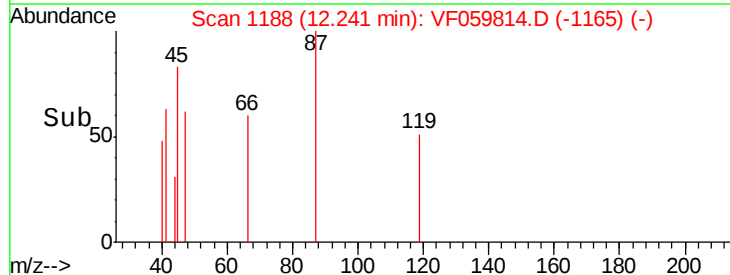
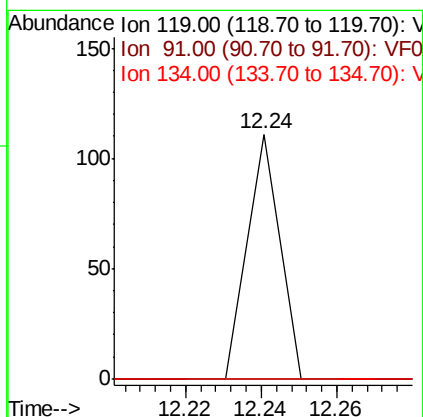
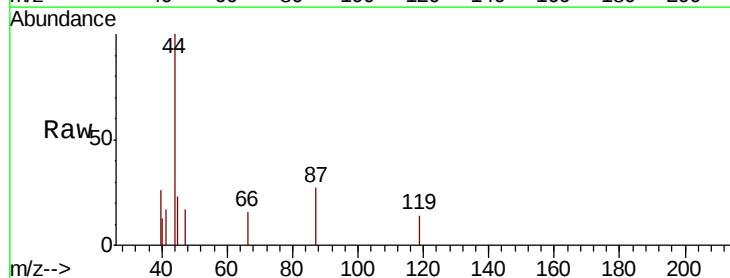
Instrument :
MSVOA_F
ClientSampled :
SB-2

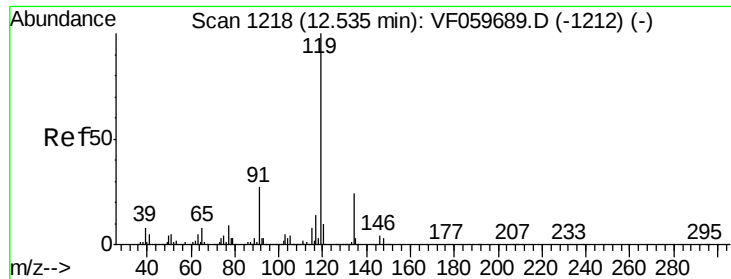
Tot Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
126 0.0 15.2 45.6#



#83
tert-Butylbenzene
Concen: 3.513 ug/l
RT: 12.24 min Scan# 1188
Delta R.T. 0.03 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Tgt Ion: 119 Resp: 66
Ion Ratio Lower Upper
119 100
91 0.0 32.8 98.4#
134 0.0 10.9 32.7#

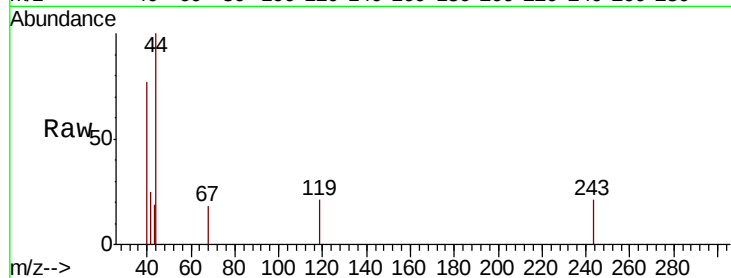




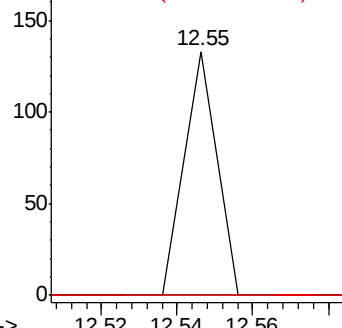
#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059814.D
 Acq: 2 Aug 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2

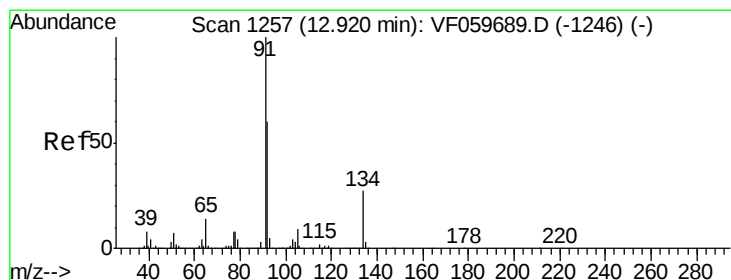
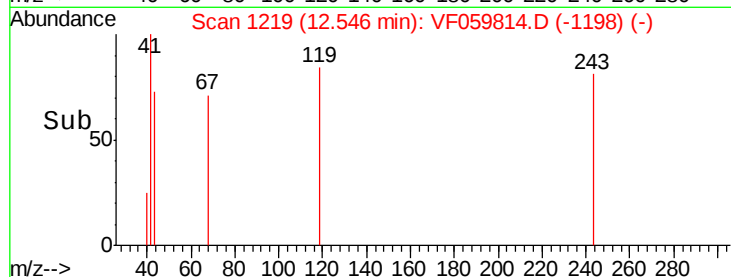
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#



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

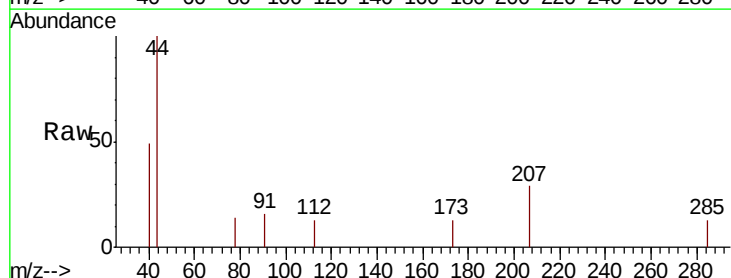


Time-->

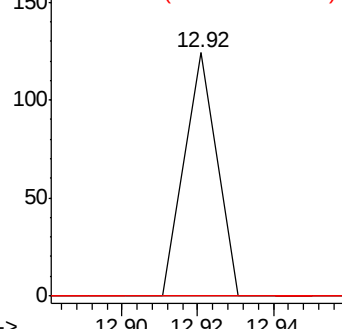


#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.92 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF059814.D
 Acq: 2 Aug 2018 21:30

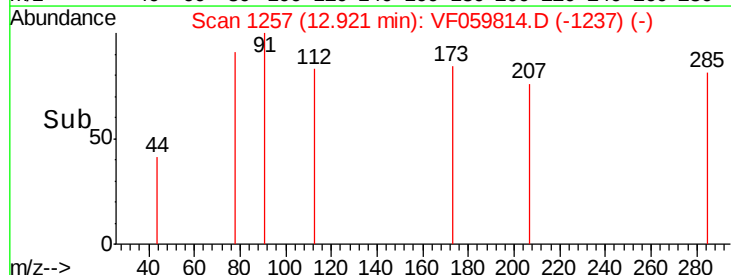
Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	30.1	90.3#
134	0.0	13.7	41.0#

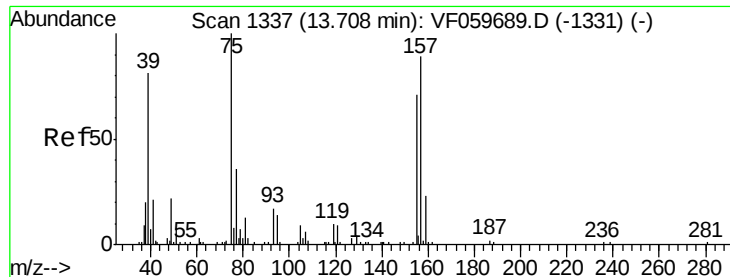


Abundance Ion 91.00 (90.70 to 91.70): VF0
 Ion 92.00 (91.70 to 92.70): VF0
 Ion 134.00 (133.70 to 134.70): V



Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 61.255 ug/l

RT: 13.80 min Scan# 1346

Delta R.T. 0.09 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

Instrument :

MSVOA_F

ClientSampled :

SB-2

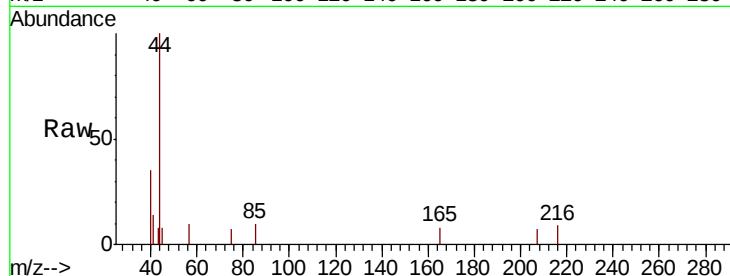
Tot Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

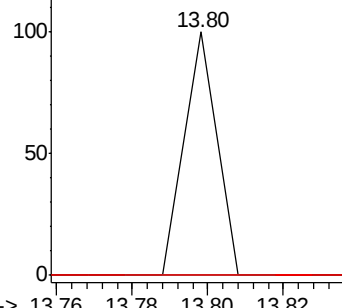
157 0.0 44.4 133.2#



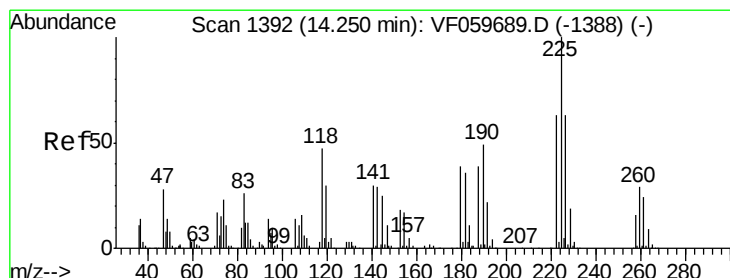
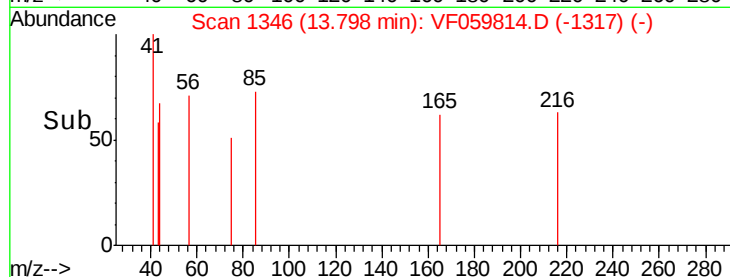
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time--> 13.76 13.78 13.80 13.82



#94

Hexachlorobutadiene

Concen: 12.041 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VF059814.D

Acq: 2 Aug 2018 21:30

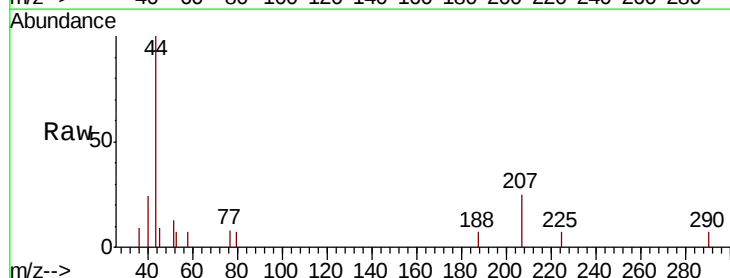
Tgt Ion: 225 Resp: 63

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

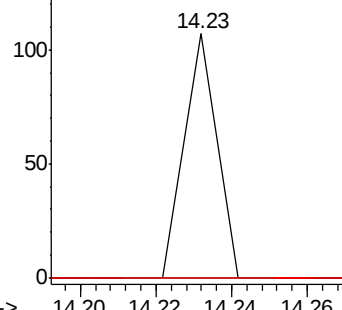
227 0.0 31.5 94.5#



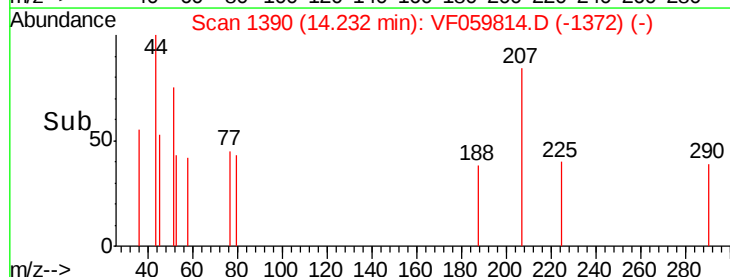
Abundance Ion 225.00 (224.70 to 225.70): V

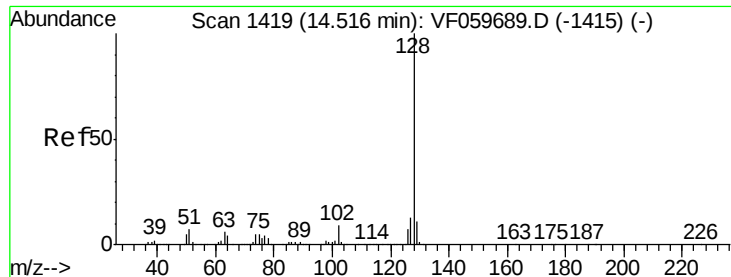
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time--> 14.20 14.22 14.24 14.26





#95
Naphthalene
Concen: 5.526 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059814.D
Acq: 2 Aug 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
SB-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.6	13.0#

