

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059961.D
 Acq On : 14 Aug 2018 23:47
 Operator : VA/AP
 Sample : VF0814SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Quant Time: Aug 15 11:01:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	126826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	185684	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	181713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	112656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	117724	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	4.31	113	92915	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.72	98	208506	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.52	95	111368	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.99	85	40614	21.61	ug/l	98
3) Chloromethane	1.10	50	16963	21.18	ug/l	95
4) Vinyl Chloride	1.16	62	20334	22.11	ug/l	97
5) Bromomethane	1.35	94	18072	21.83	ug/l	98
6) Chloroethane	1.44	64	13298	22.27	ug/l	93
7) Trichlorofluoromethane	1.54	101	34636	12.89	ug/l	99
8) Diethyl Ether	1.71	74	7465	20.20	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	29025	21.40	ug/l	95
10) Methyl Iodide	1.98	142	48949	23.12	ug/l #	97
11) Tert butyl alcohol	2.71	59	9386	106.55	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	22847	22.73	ug/l #	91
13) Acrolein	2.11	56	3577	80.27	ug/l	82
14) Allyl chloride	2.20	41	37296	26.08	ug/l	92
15) Acrylonitrile	3.09	53	16083	120.43	ug/l	89
16) Acetone	2.35	43	43589	99.04	ug/l	97
17) Carbon Disulfide	1.90	76	60059	23.33	ug/l #	91
18) Methyl Acetate	2.46	43	12951	21.16	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	65225	22.59	ug/l	97
20) Methylene Chloride	2.29	84	11266	7.77	ug/l #	91
21) trans-1,2-Dichloroethene	2.42	96	23102	23.64	ug/l	95
22) Diisopropyl ether	2.94	45	71804	21.83	ug/l	99
23) Vinyl Acetate	3.35	43	189406	116.01	ug/l	97
24) 1,1-Dichloroethane	3.01	63	52435	22.56	ug/l #	94
25) 2-Butanone	4.53	43	48994	110.08	ug/l	98
26) 2,2-Dichloropropane	3.78	77	31937	21.12	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	24501	22.69	ug/l	97
28) Bromochloromethane	3.91	49	19219	22.20	ug/l #	75
29) Tetrahydrofuran	4.27	42	17996	117.71	ug/l	98
30) Chloroform	4.06	83	69589	21.80	ug/l	95
31) Cyclohexane	3.88	56	28915	24.88	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	58009	22.10	ug/l	88
36) 1,1-Dichloropropene	4.48	75	42695	20.70	ug/l #	91
37) Ethyl Acetate	4.31	43	20222	22.91	ug/l	92
38) Carbon Tetrachloride	4.20	117	66398	19.33	ug/l	97

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

Quant Time: Aug 15 11:01:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	34244	22.84	ug/l #	92
40) Benzene	4.83	78	73410	21.02	ug/l	99
41) Methacrylonitrile	4.95	41	9068	20.83	ug/l #	73
42) 1,2-Dichloroethane	5.13	62	56066	20.21	ug/l	93
43) Isopropyl Acetate	7.13	43	19992	20.78	ug/l	91
44) Trichloroethene	5.69	130	29246	21.76	ug/l	97
45) 1,2-Dichloropropane	6.42	63	20236	21.91	ug/l	98
46) Dibromomethane	6.28	93	19094	20.96	ug/l #	86
47) Bromodichloromethane	6.57	83	52624	20.01	ug/l	99
48) Methyl methacrylate	6.89	41	14693	20.50	ug/l	94
49) 1,4-Dioxane	6.89	88	2454	452.81	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	100488	107.80	ug/l	100
52) Toluene	7.79	92	52584	20.33	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	43914	20.42	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	43876	21.20	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	17710	20.04	ug/l	97
56) Ethyl methacrylate	8.78	69	19600	20.64	ug/l	94
57) 1,3-Dichloropropane	9.02	76	32598	20.02	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	11920	93.33	ug/l	100
59) 2-Hexanone	9.65	43	73063	107.46	ug/l	94
60) Dibromochloromethane	8.89	129	37257	21.30	ug/l	84
61) 1,2-Dibromoethane	9.15	107	23426	21.25	ug/l	90
64) Tetrachloroethene	8.33	164	27969	19.77	ug/l	94
65) Chlorobenzene	9.96	112	73079	20.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	34682	20.44	ug/l	93
67) Ethyl Benzene	10.06	91	126411	20.39	ug/l	100
68) m/p-Xylenes	10.29	106	93581	44.88	ug/l	96
69) o-Xylene	10.84	106	47035	20.77	ug/l	99
70) Styrene	10.92	104	72366	21.60	ug/l	98
71) Bromoform	10.91	173	21538	20.42	ug/l	88
73) Isopropylbenzene	11.24	105	154216	21.76	ug/l	100
74) N-amyl acetate	11.48	43	31832	20.38	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	26863	22.55	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	22458	21.87	ug/l	95
77) Bromobenzene	11.61	156	40457	21.76	ug/l	89
78) n-propylbenzene	11.70	91	171314	20.61	ug/l	97
79) 2-Chlorotoluene	11.83	91	112640	21.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	137362	20.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	13396	31.92	ug/l #	77
82) 4-Chlorotoluene	12.00	91	124375	21.64	ug/l	96
83) tert-Butylbenzene	12.23	119	141293	21.74	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	178170	26.79	ug/l	99
85) sec-Butylbenzene	12.40	105	180888	21.84	ug/l	97
86) p-Isopropyltoluene	12.55	119	160600	22.01	ug/l	93
87) 1,3-Dichlorobenzene	12.56	146	75742	21.48	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	72804	20.97	ug/l	95
89) n-Butylbenzene	12.93	91	147389	20.98	ug/l	97
90) Hexachloroethane	13.01	117	39225	21.72	ug/l	88
91) 1,2-Dichlorobenzene	13.03	146	74984	21.92	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6431	19.93	ug/l	86

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Instrument :
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ClientSampleId :
VF0814SBS01

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Quant Title : SW846 8260
QLast Update : Wed Aug 15 09:20:23 2018
Response via : Initial Calibration

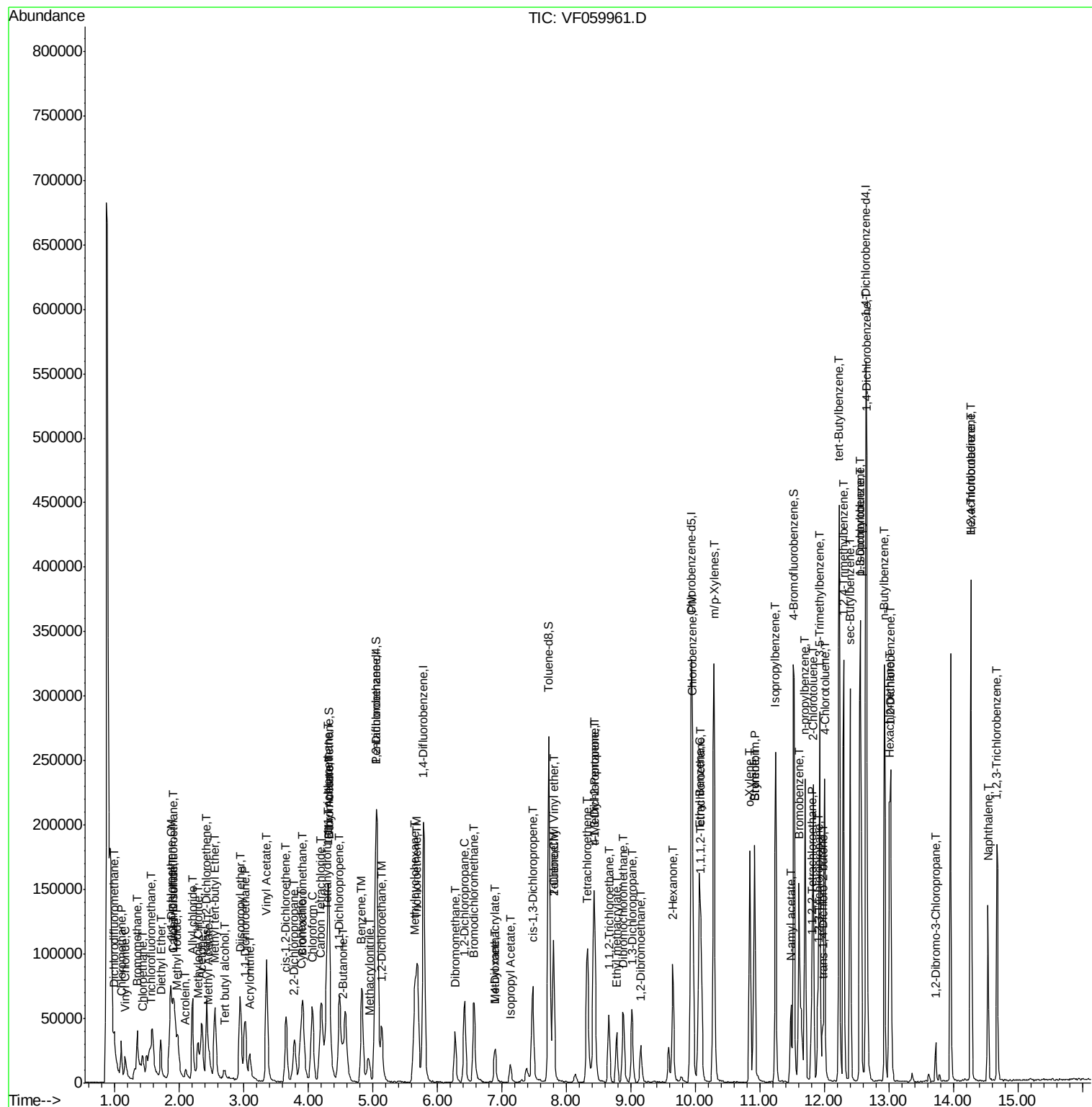
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	58937	21.50	ug/l	97
94) Hexachlorobutadiene	14.27	225	39066	19.93	ug/l	97
95) Naphthalene	14.54	128	94018	21.00	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	52218	19.96	ug/l	95

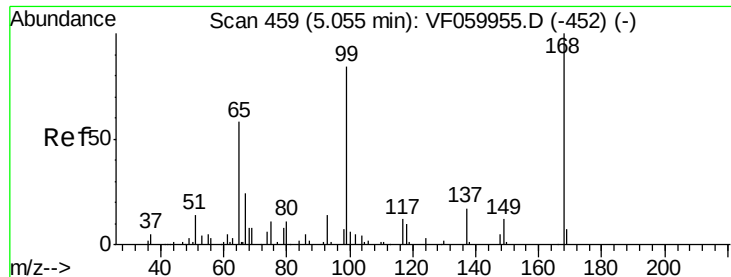
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VF059961.D
 Acq On : 14 Aug 2018 23:47
 Operator : VA/AP
 Sample : VF0814SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 15 11:01:50 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
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 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

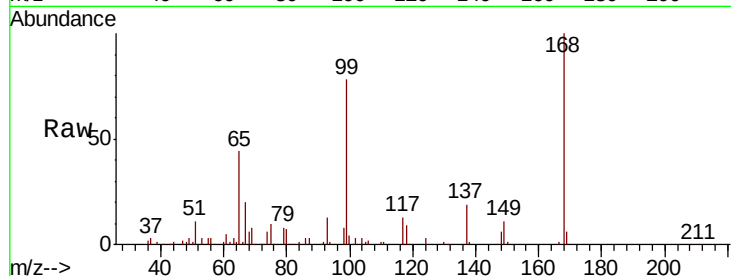
VF0814SBS01

Tot Ion:168 Resp: 126826

Ion Ratio Lower Upper

168 100

99 78.1 67.4 101.0

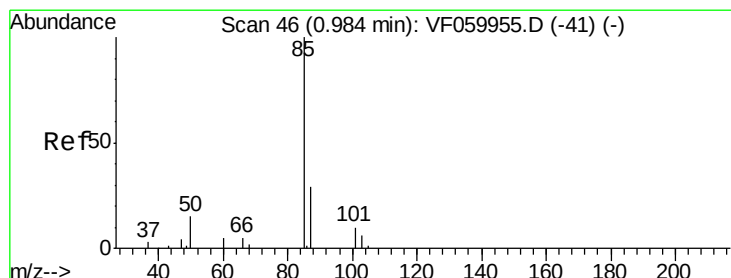
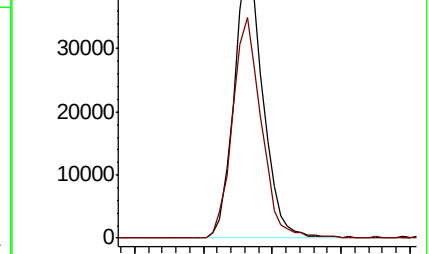
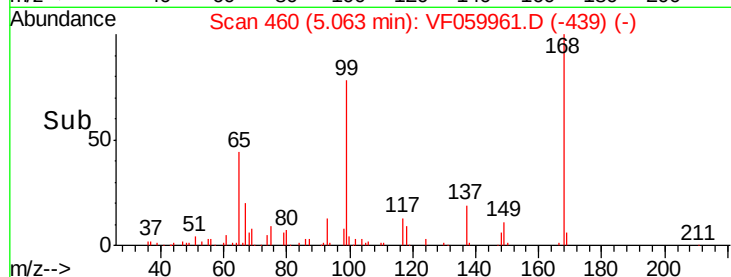


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 21.61 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059961.D

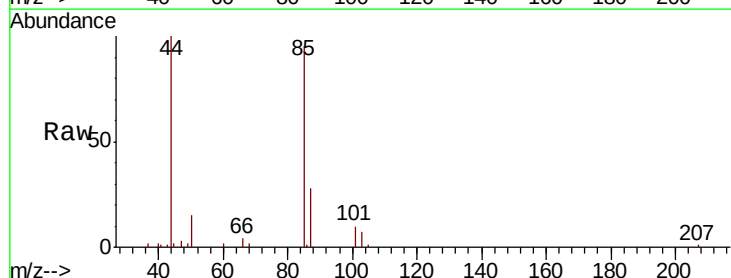
Acq: 14 Aug 2018 23:47

Tgt Ion: 85 Resp: 40614

Ion Ratio Lower Upper

85 100

87 29.7 14.4 43.4

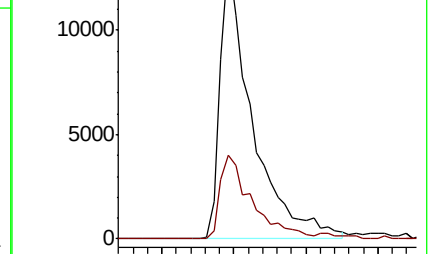
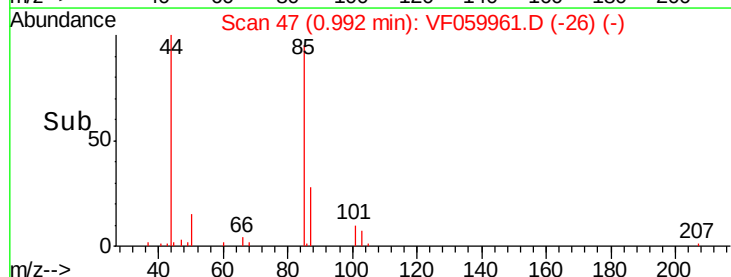


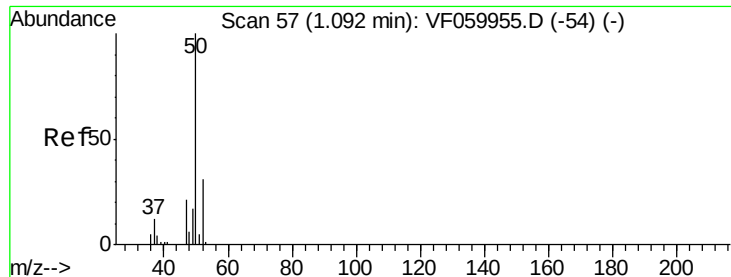
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->





#3

Chloromethane

Concen: 21.18 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

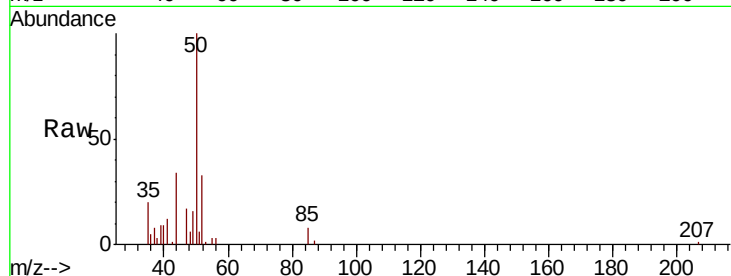
VF0814SBS01

Tot Ion: 50 Resp: 16963

Ion Ratio Lower Upper

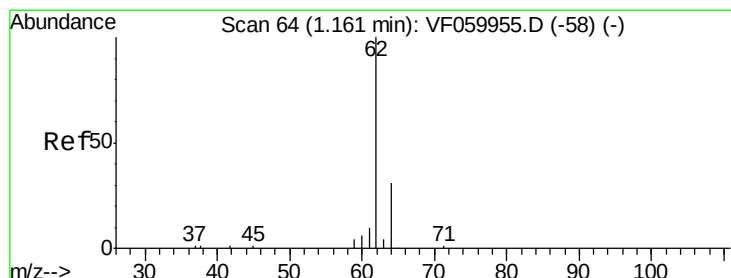
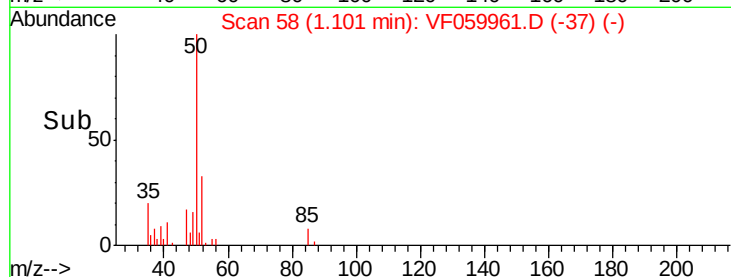
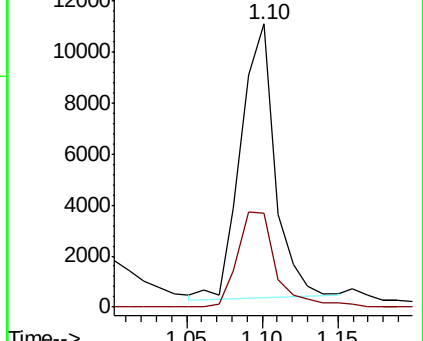
50 100

52 33.0 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.11 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059961.D

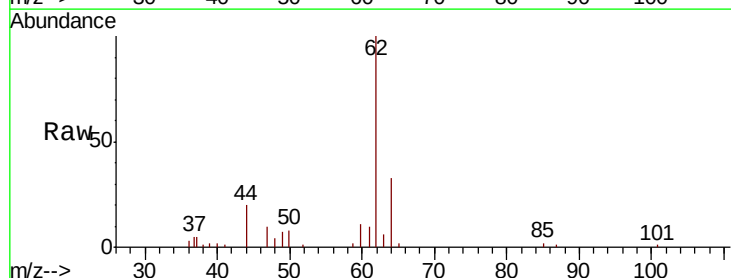
Acq: 14 Aug 2018 23:47

Tgt Ion: 62 Resp: 20334

Ion Ratio Lower Upper

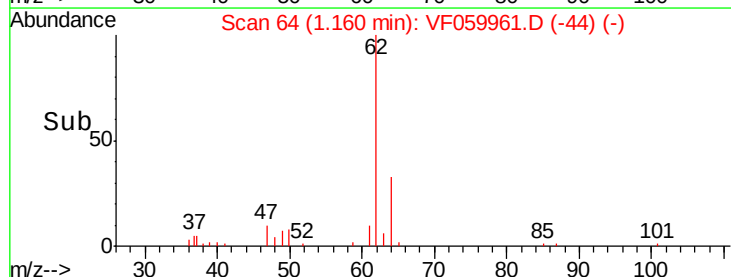
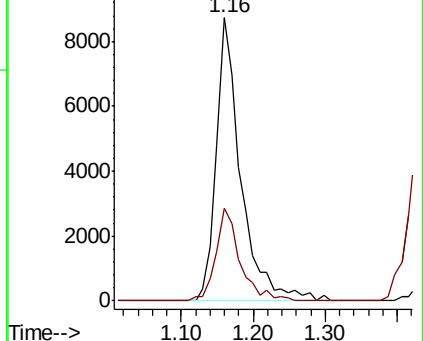
62 100

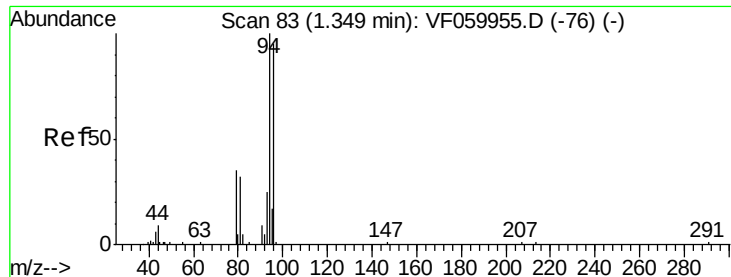
64 32.8 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.83 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

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ClientSampleId :

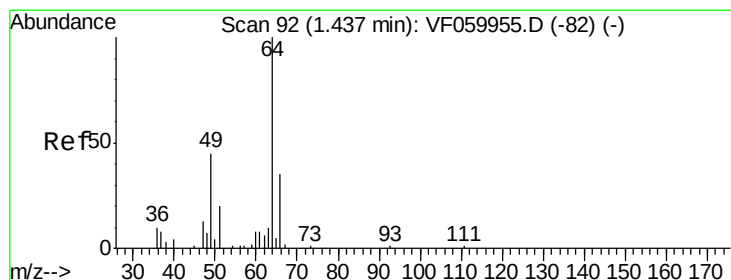
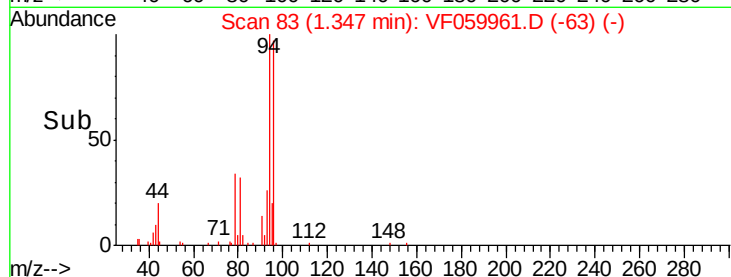
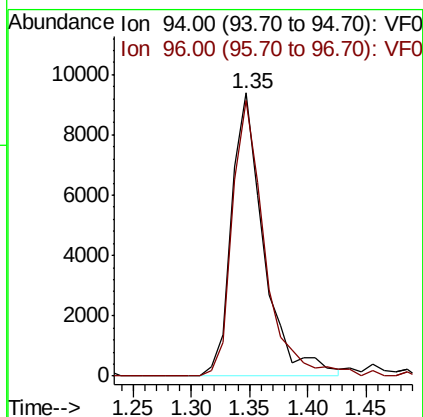
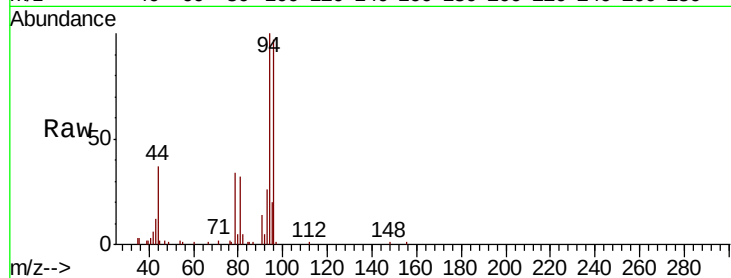
VF0814SBS01

Tot Ion: 94 Resp: 18072

Ion Ratio Lower Upper

94 100

96 97.3 76.3 114.5



#6

Chloroethane

Concen: 22.27 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059961.D

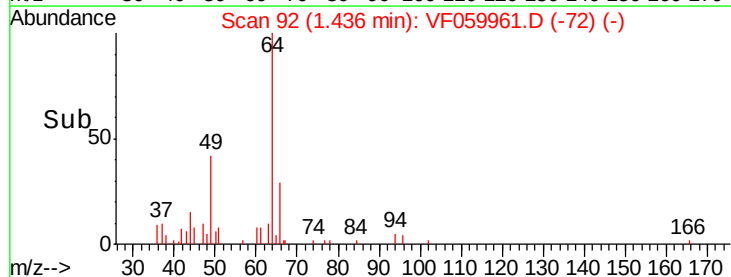
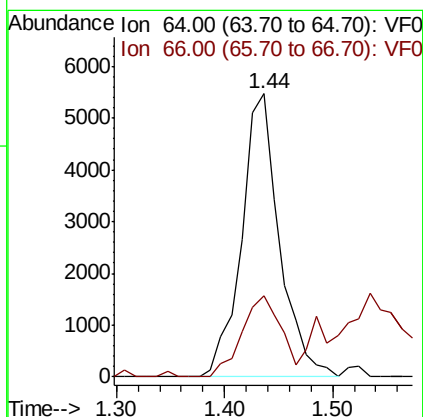
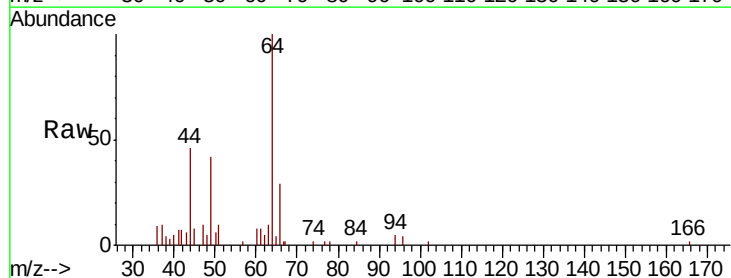
Acq: 14 Aug 2018 23:47

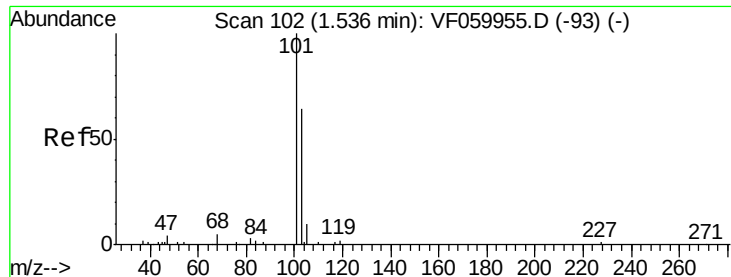
Tgt Ion: 64 Resp: 13298

Ion Ratio Lower Upper

64 100

66 30.9 28.2 42.2



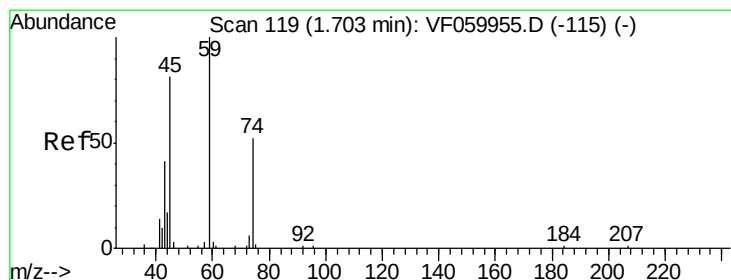
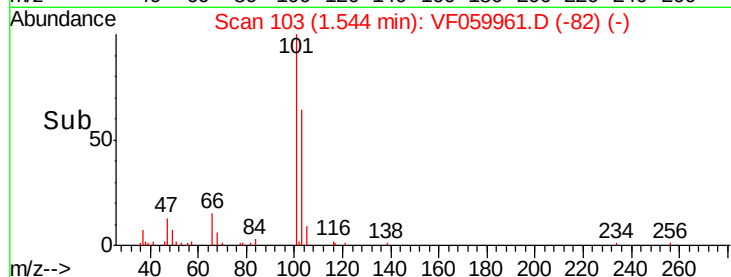
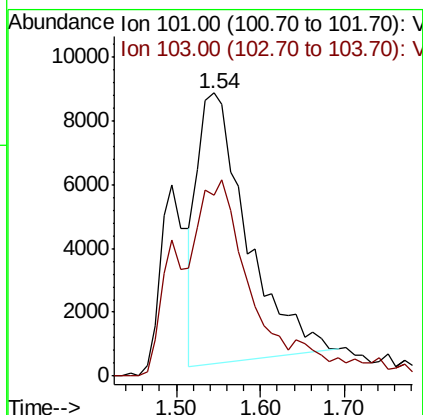
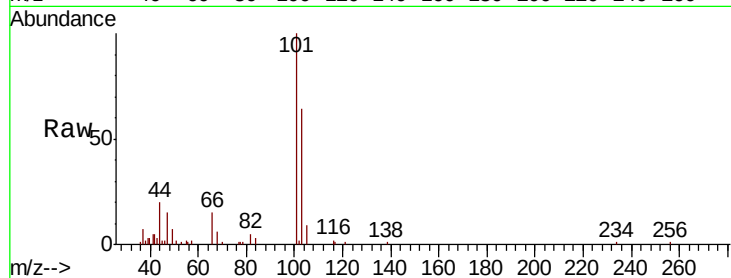


#7

Trichlorofluoromethane
 Concen: 12.89 ug/l
 RT: 1.54 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

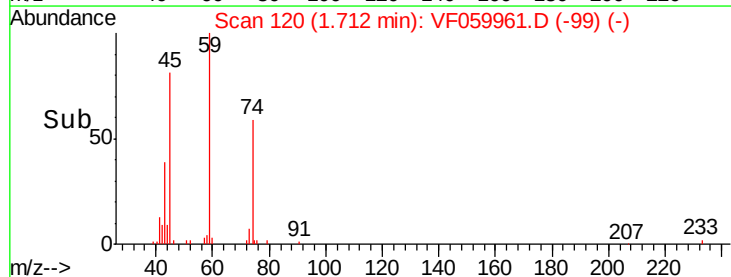
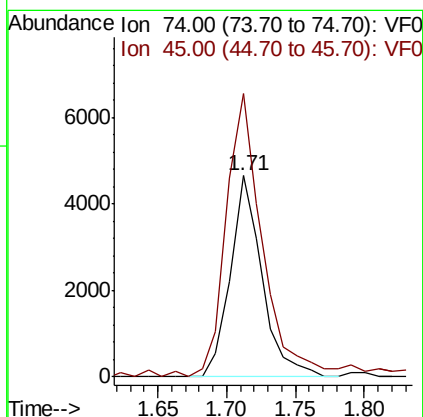
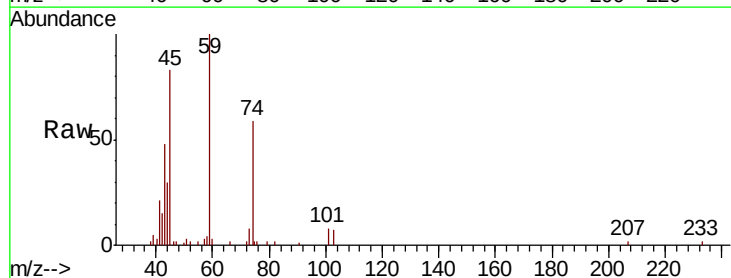
Tot Ion:101 Resp: 34636
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.6 77.4

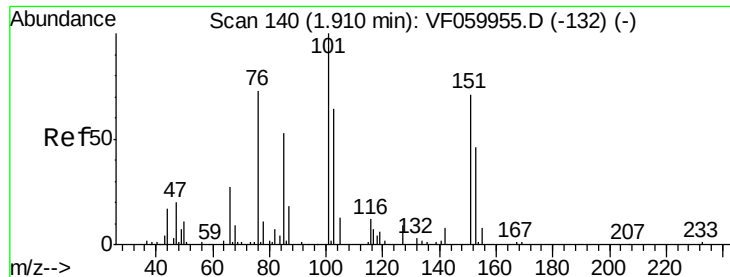


#8

Diethyl Ether
 Concen: 20.20 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion: 74 Resp: 7465
 Ion Ratio Lower Upper
 74 100
 45 140.7 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.40 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

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VF0814SBS01

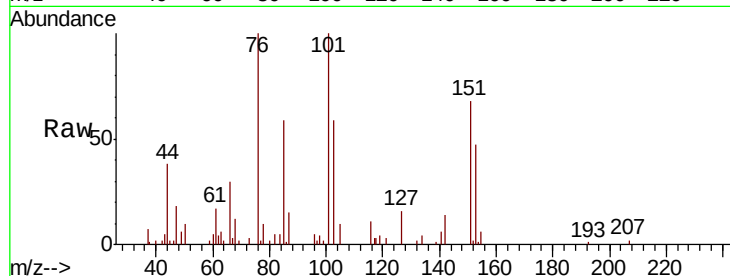
Tot Ion:101 Resp: 29025

Ion Ratio Lower Upper

101 100

85 60.1 42.1 63.1

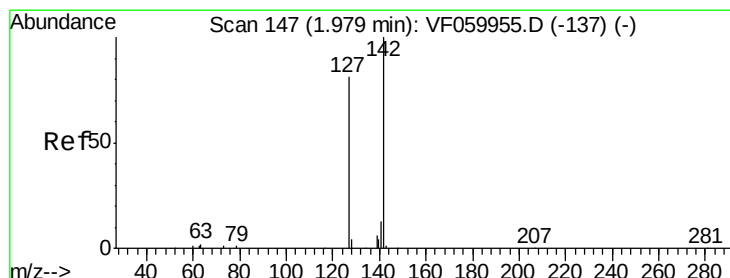
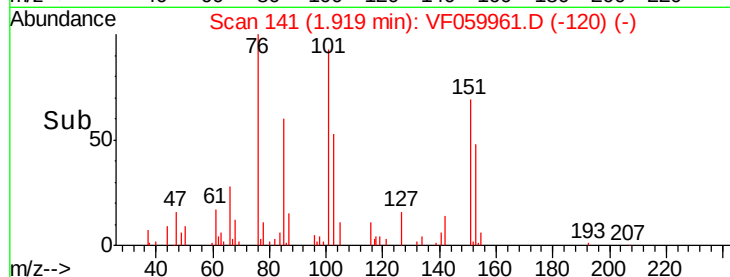
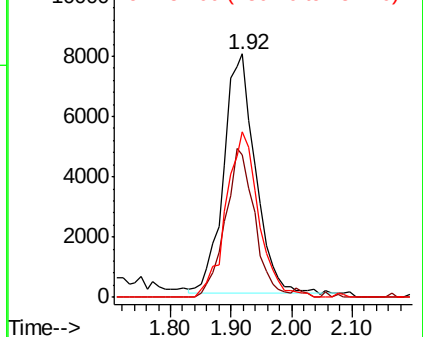
151 68.0 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.12 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

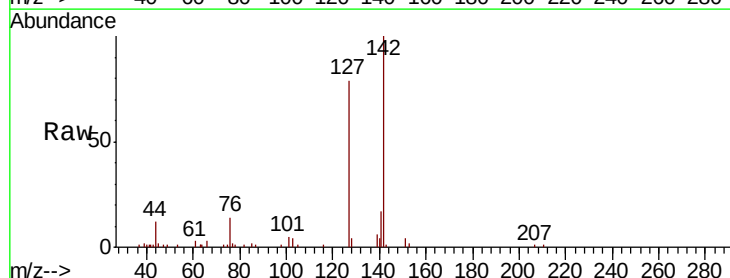
Tgt Ion:142 Resp: 48949

Ion Ratio Lower Upper

142 100

127 79.0 64.5 96.7

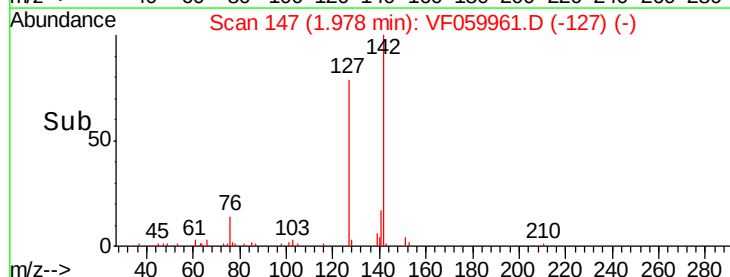
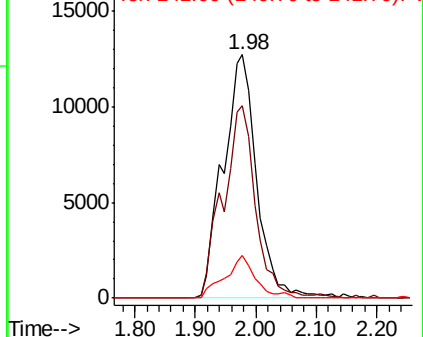
141 17.4 10.8 16.2#

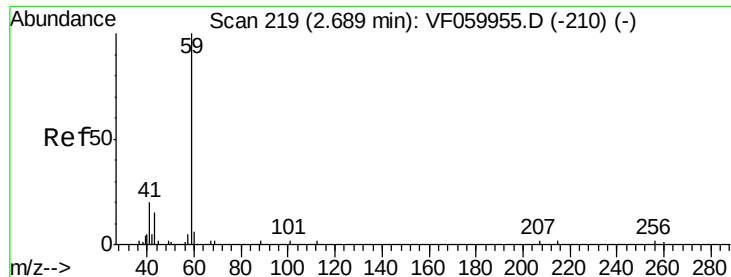


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

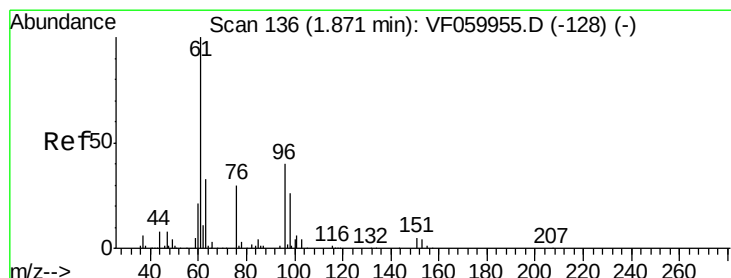
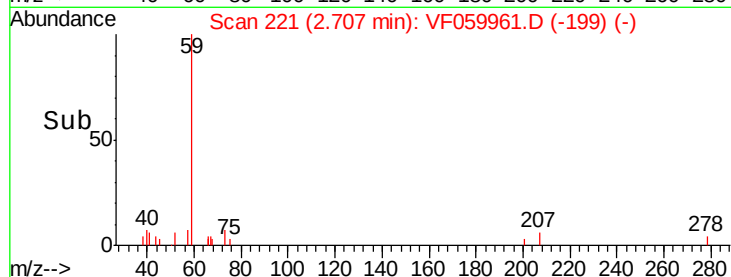
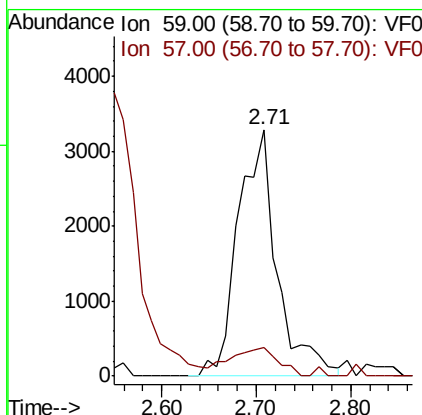
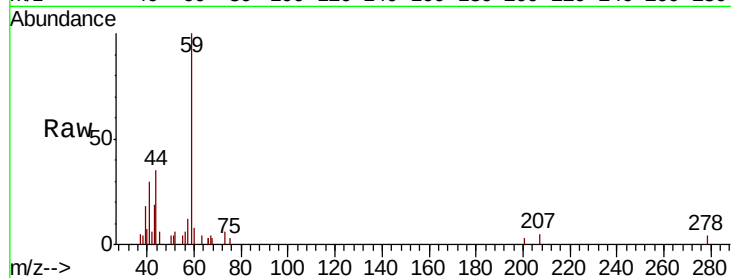




#11
Tert butyl alcohol
Concen: 106.55 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

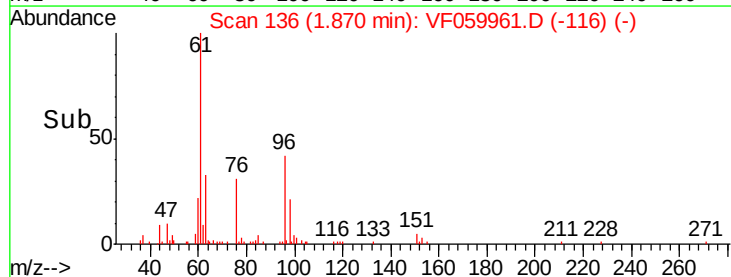
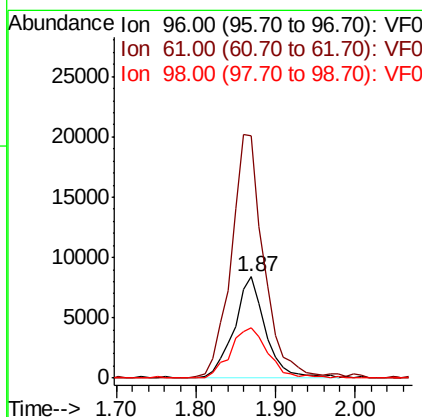
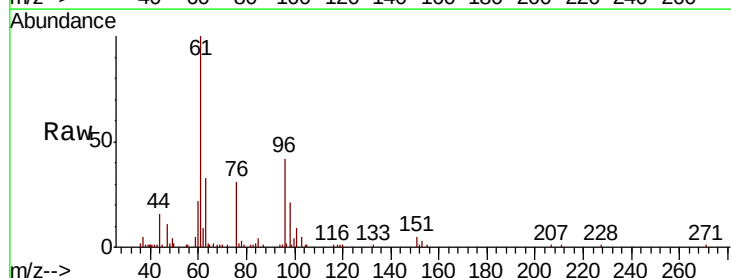
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

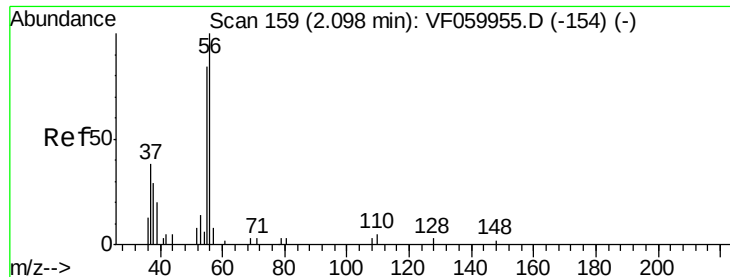
Tot Ion: 59 Resp: 9386
Ion Ratio Lower Upper
59 100
57 11.6 12.0 18.0#



#12
1,1-Dichloroethene
Concen: 22.73 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 96 Resp: 22847
Ion Ratio Lower Upper
96 100
61 240.0 201.0 301.4
98 50.3 51.9 77.9#





#13

Acrolein

Concen: 80.27 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

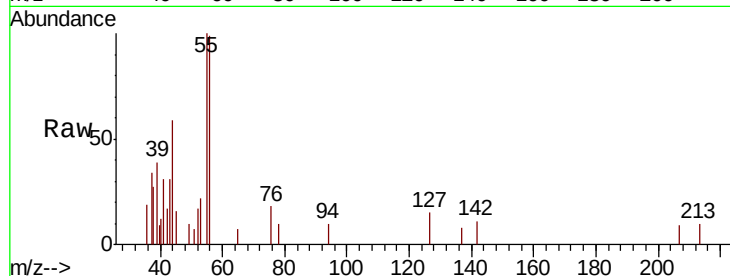
VF0814SBS01

Tot Ion: 56 Resp: 3577

Ion Ratio Lower Upper

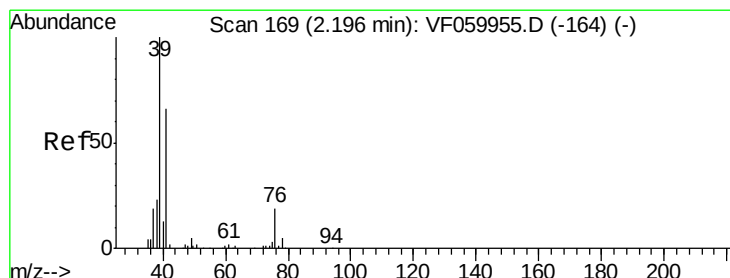
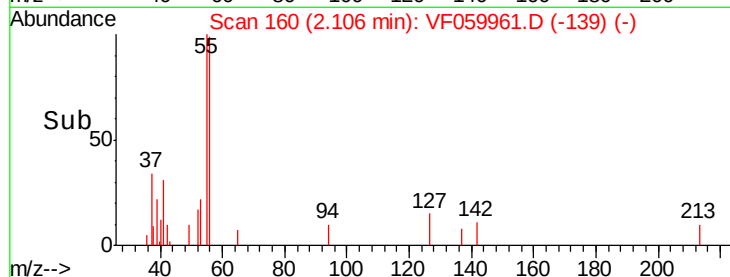
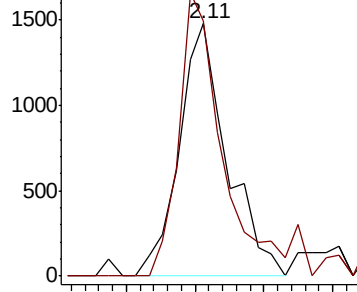
56 100

55 100.9 67.4 101.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 26.08 ug/l

RT: 2.20 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

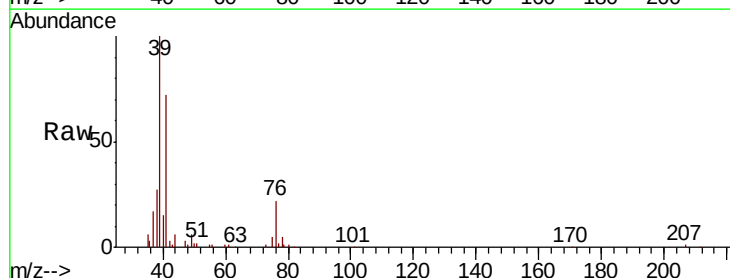
Tgt Ion: 41 Resp: 37296

Ion Ratio Lower Upper

41 100

39 138.9 121.0 181.4

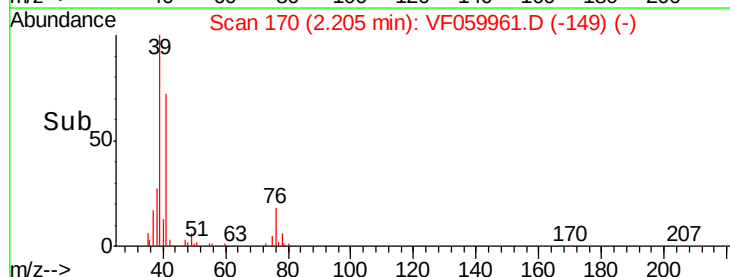
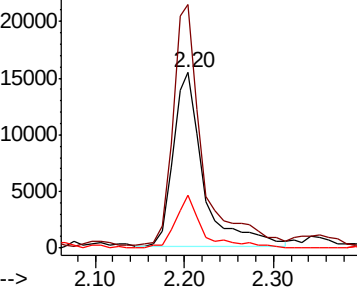
76 30.2 23.6 35.4

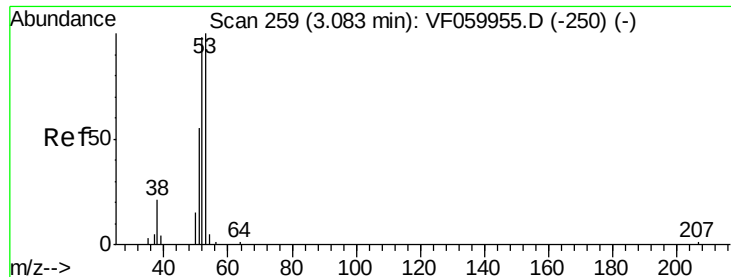


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 120.43 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

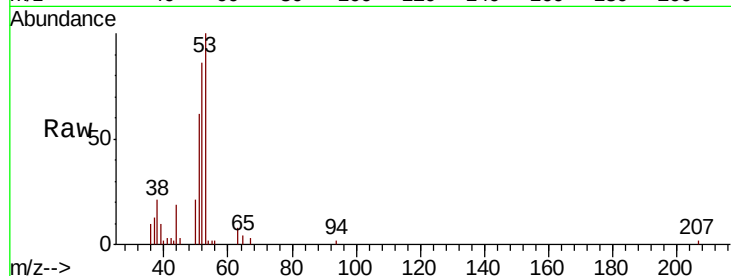
Tot Ion: 53 Resp: 16083

Ion Ratio Lower Upper

53 100

52 86.0 78.1 117.1

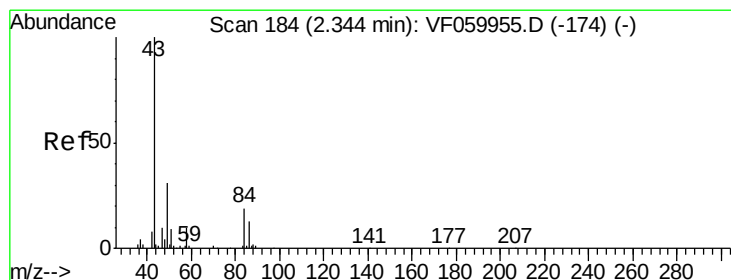
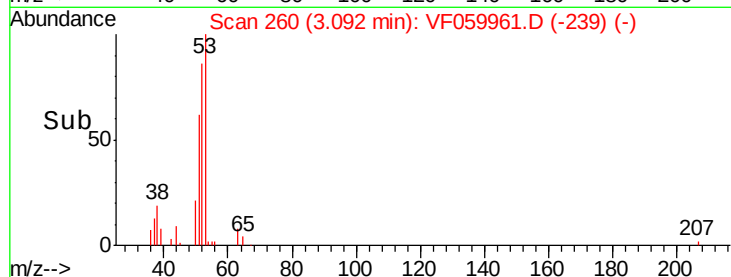
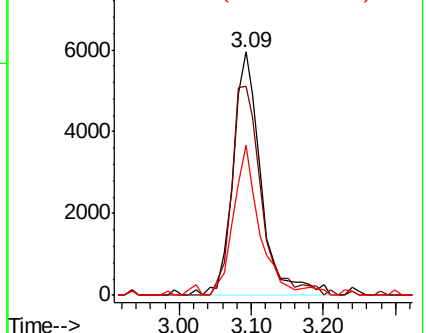
51 61.8 44.2 66.4



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: 99.04 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF059961.D

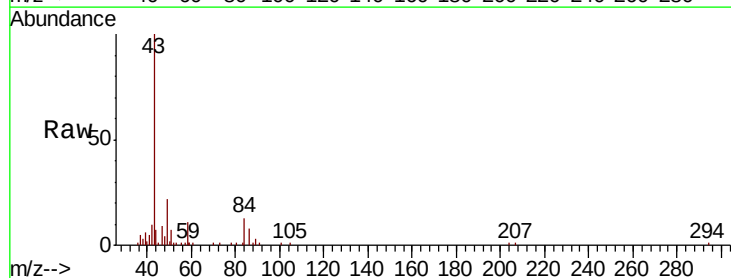
Acq: 14 Aug 2018 23:47

Tgt Ion: 43 Resp: 43589

Ion Ratio Lower Upper

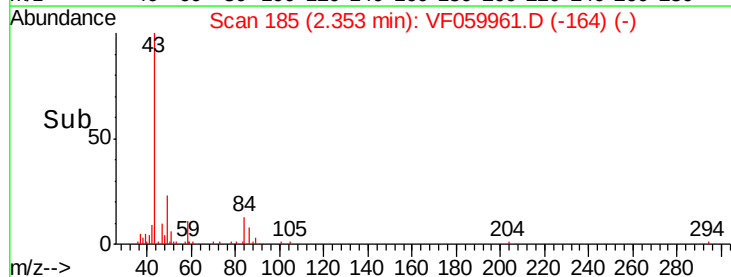
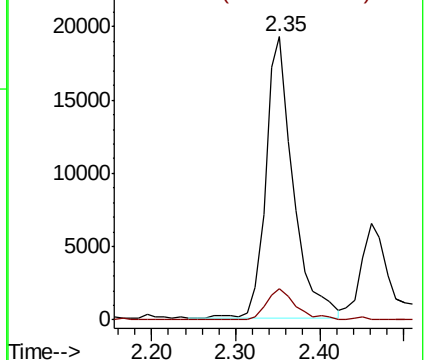
43 100

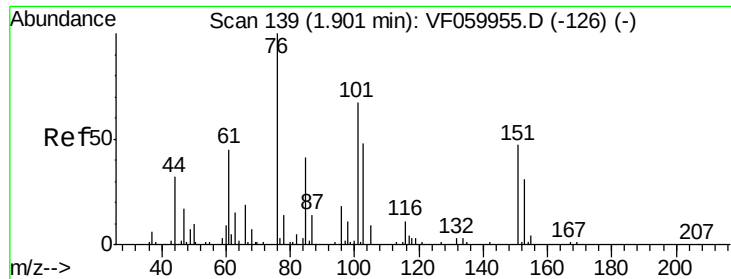
58 11.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.33 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

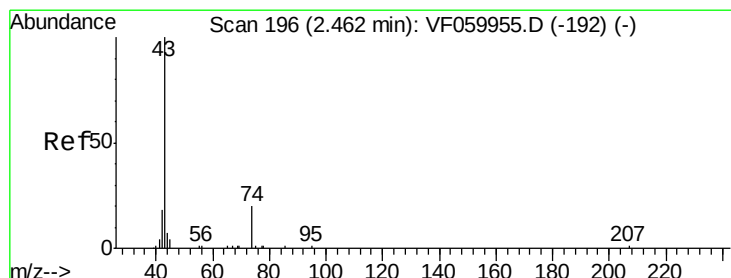
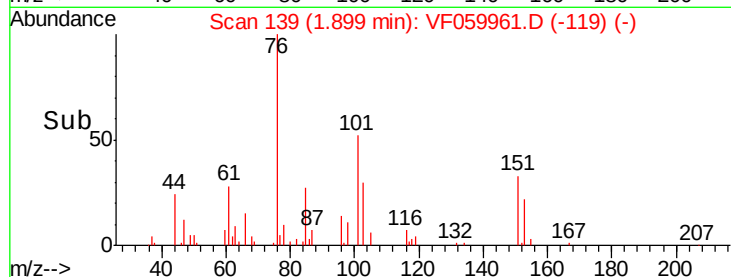
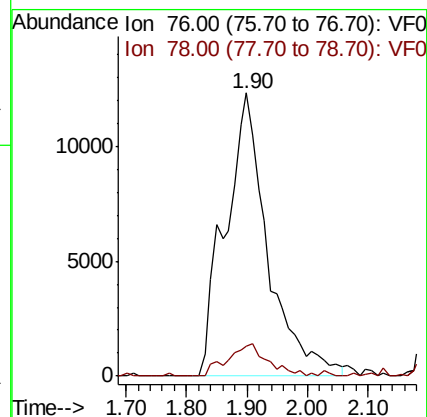
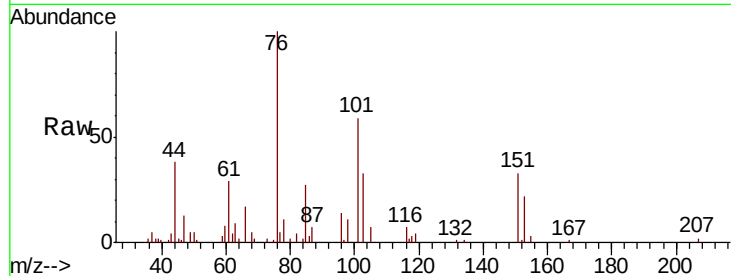
VF0814SBS01

Tot Ion: 76 Resp: 60059

Ion Ratio Lower Upper

76 100

78 10.7 11.4 17.0#



#18

Methyl Acetate

Concen: 21.16 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF059961.D

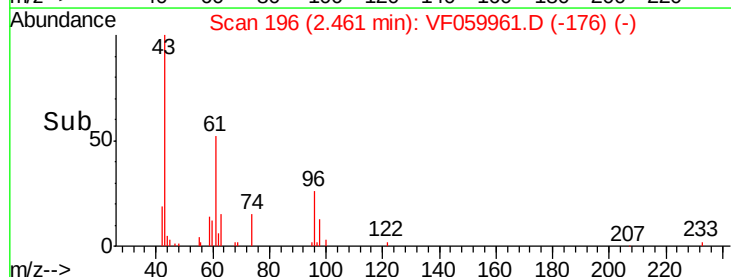
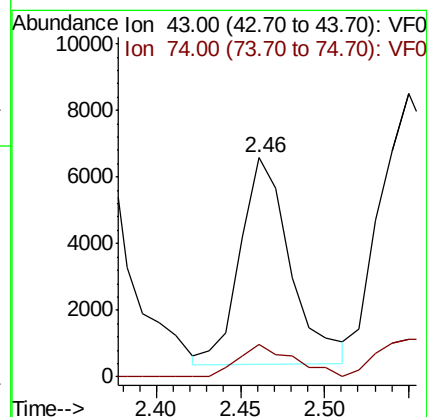
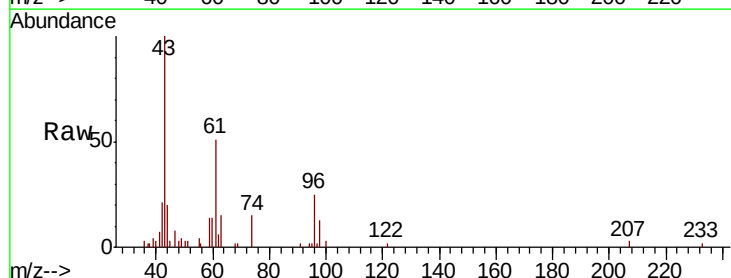
Acq: 14 Aug 2018 23:47

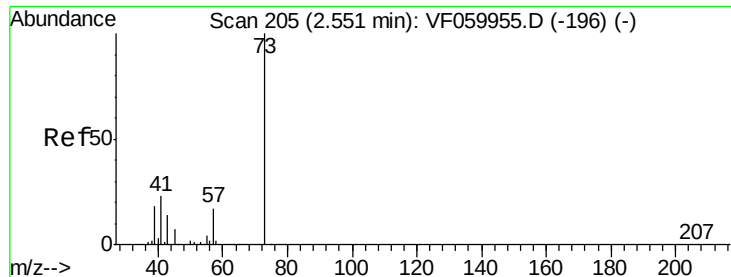
Tgt Ion: 43 Resp: 12951

Ion Ratio Lower Upper

43 100

74 14.8 14.3 21.5

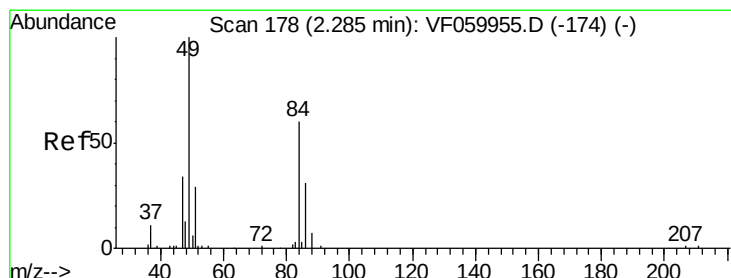
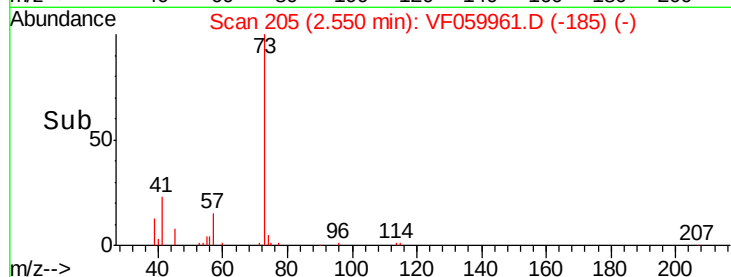
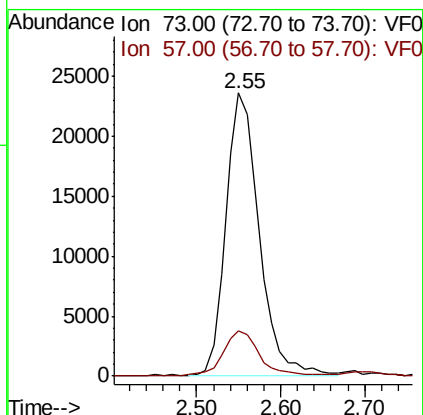
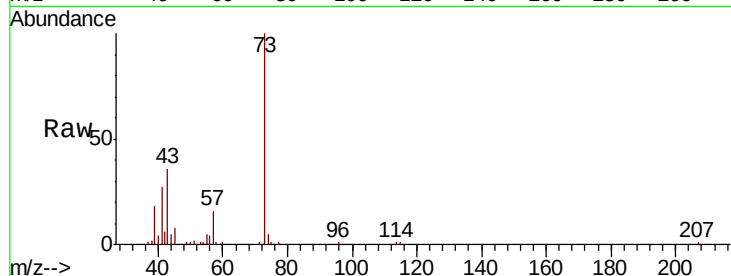




#19
Methyl tert-butyl Ether
Concen: 22.59 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

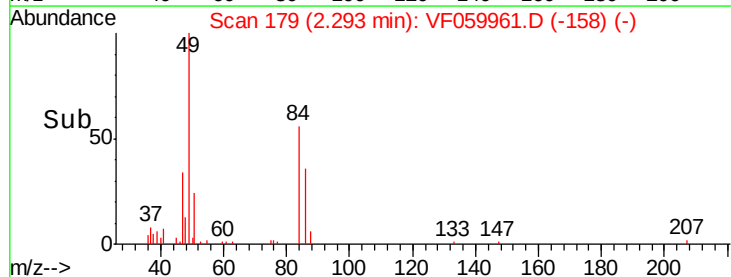
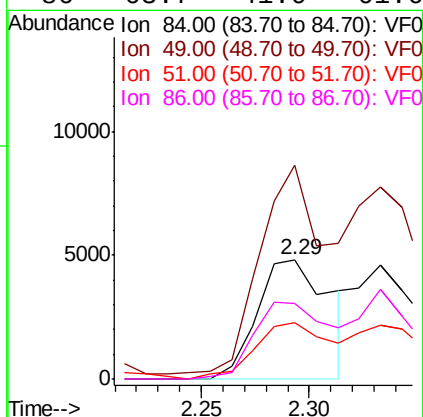
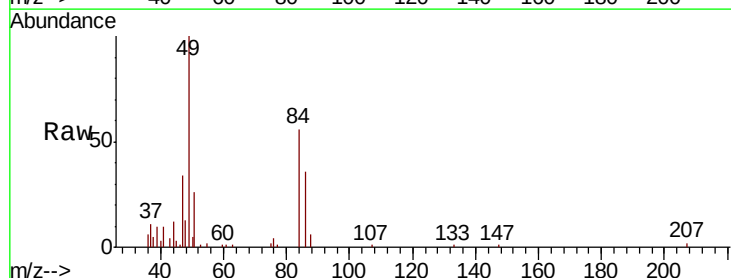
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

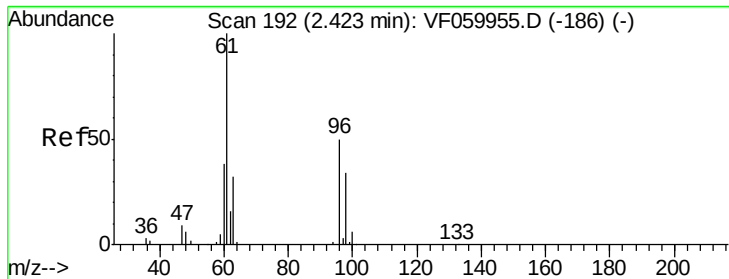
Tot Ion: 73 Resp: 65225
Ion Ratio Lower Upper
73 100
57 16.0 14.0 21.0



#20
Methylene Chloride
Concen: 7.77 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 84 Resp: 11266
Ion Ratio Lower Upper
84 100
49 179.3 134.8 202.2
51 47.2 39.8 59.6
86 63.7 41.0 61.6#





#21

trans-1,2-Dichloroethene

Concen: 23.64 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

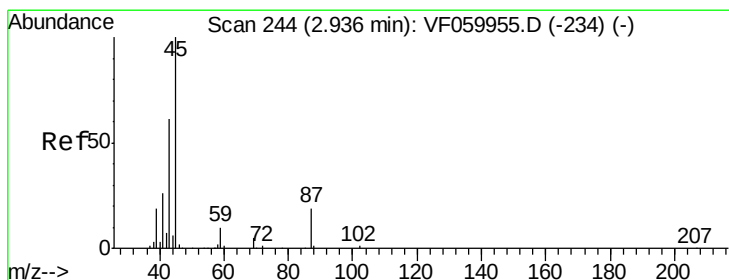
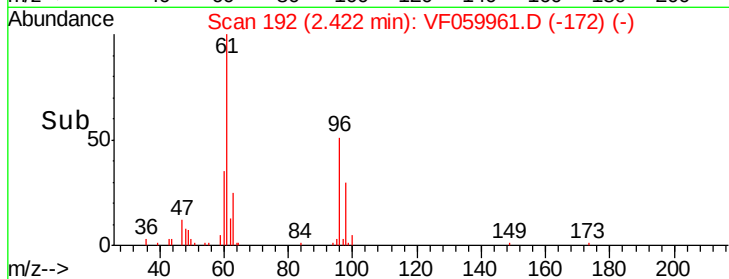
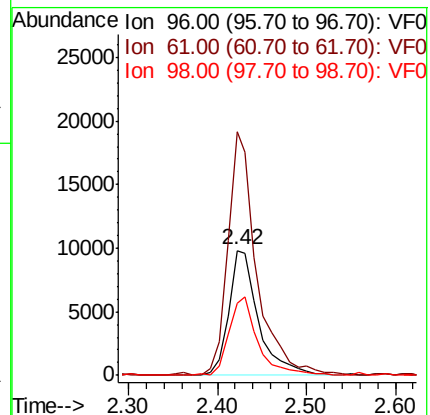
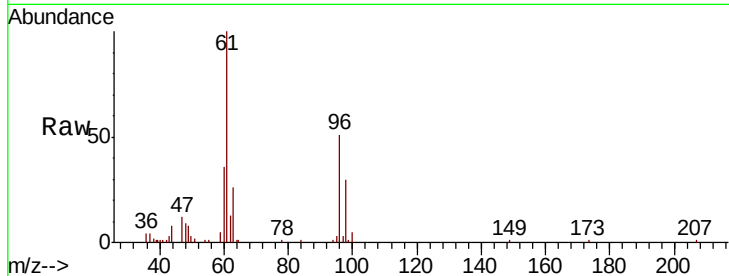
Tot Ion: 96 Resp: 23102

Ion Ratio Lower Upper

96 100

61 195.2 159.5 239.3

98 57.7 53.8 80.6



#22

Diisopropyl ether

Concen: 21.83 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion: 45 Resp: 71804

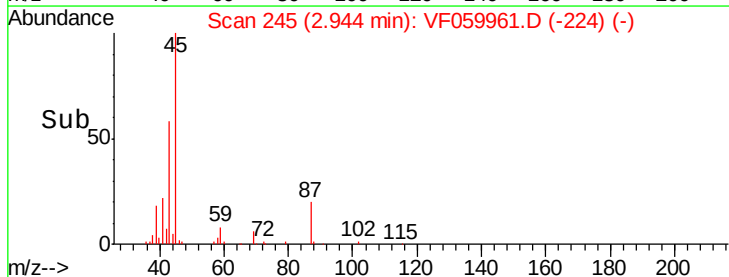
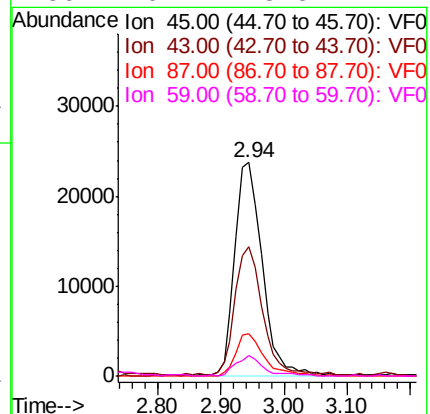
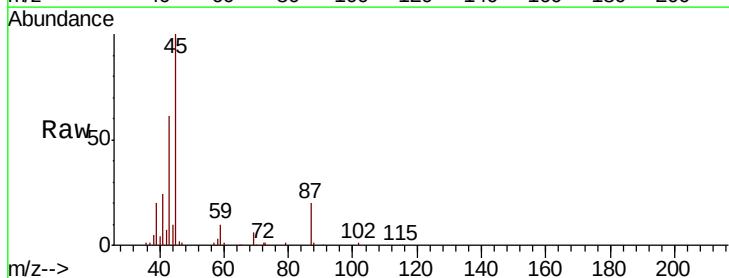
Ion Ratio Lower Upper

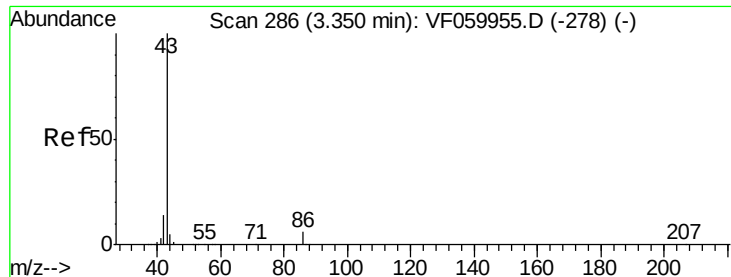
45 100

43 60.6 48.7 73.1

87 19.9 15.3 22.9

59 9.7 8.5 12.7





#23

Vinyl Acetate

Concen: 116.01 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

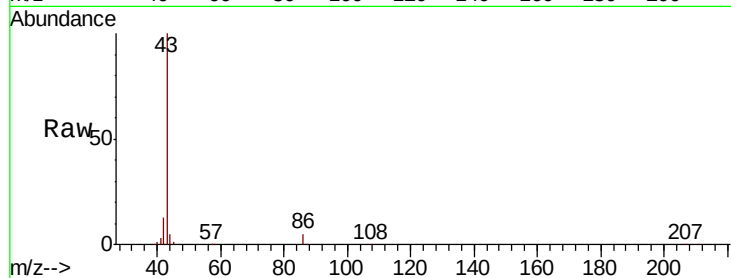
VF0814SBS01

Tot Ion: 43 Resp: 189406

Ion Ratio Lower Upper

43 100

86 5.2 4.9 7.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

80000

60000

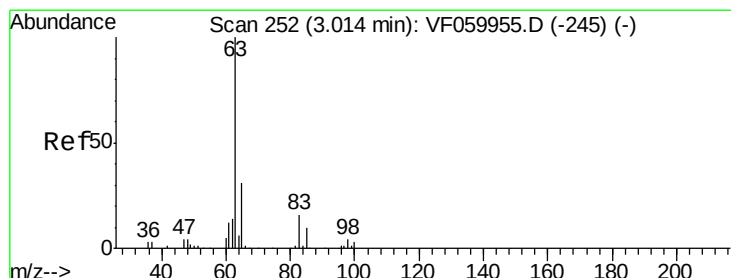
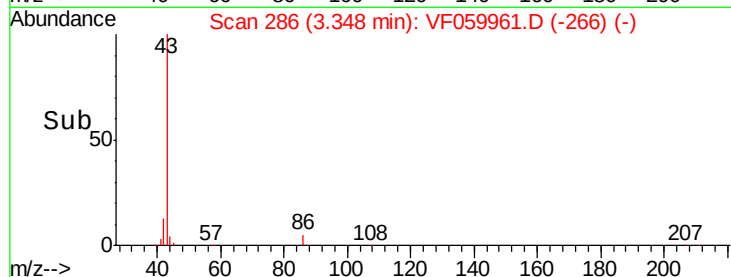
40000

20000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.56 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

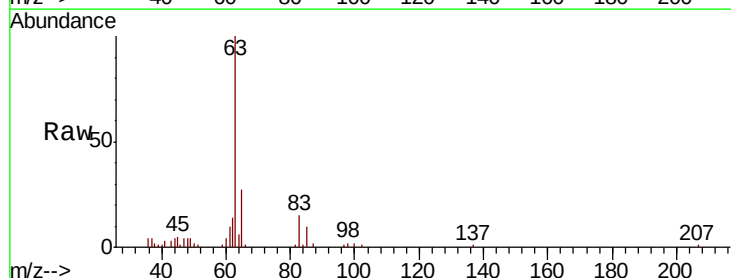
Tgt Ion: 63 Resp: 52435

Ion Ratio Lower Upper

63 100

98 2.0 2.1 6.2#

100 1.7 1.7 5.1#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

25000

20000

15000

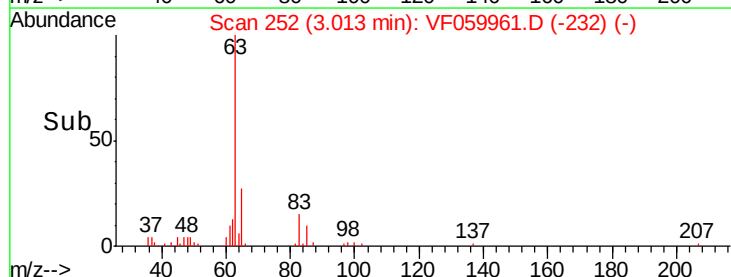
10000

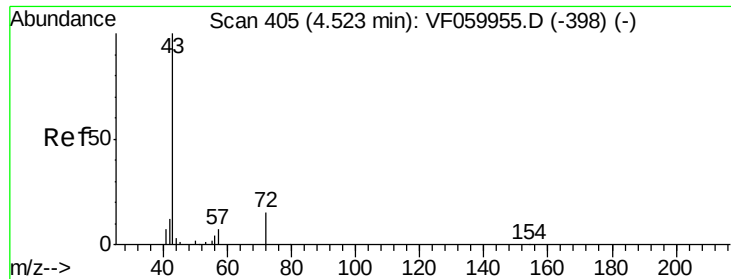
5000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 110.08 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

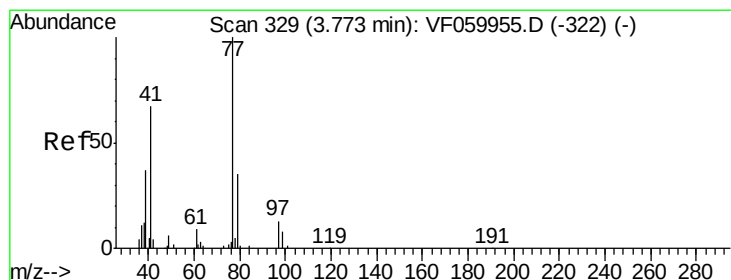
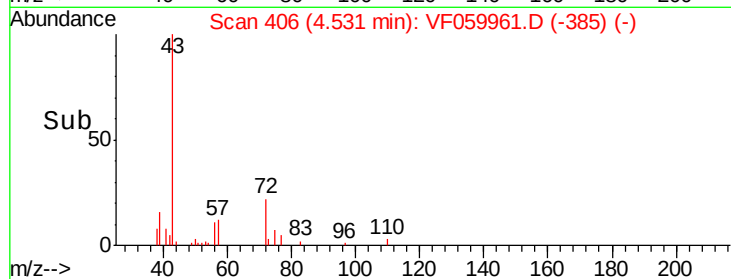
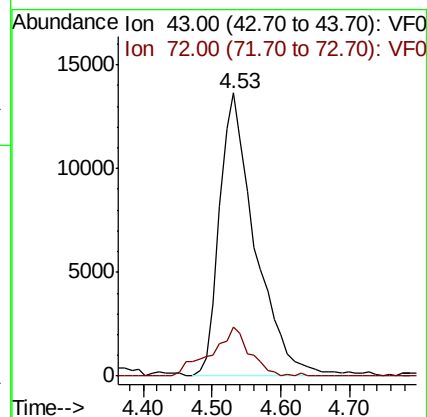
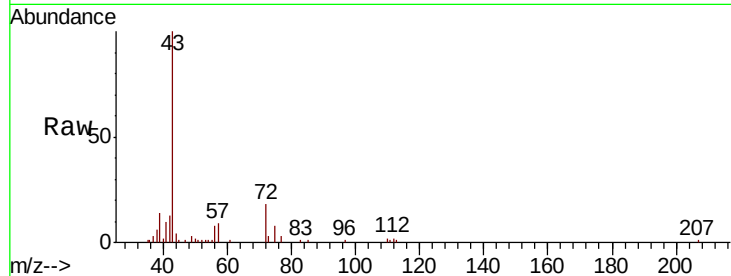
VF0814SBS01

Tot Ion: 43 Resp: 48994

Ion Ratio Lower Upper

43 100

72 17.6 14.6 22.0



#26

2,2-Dichloropropane

Concen: 21.12 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059961.D

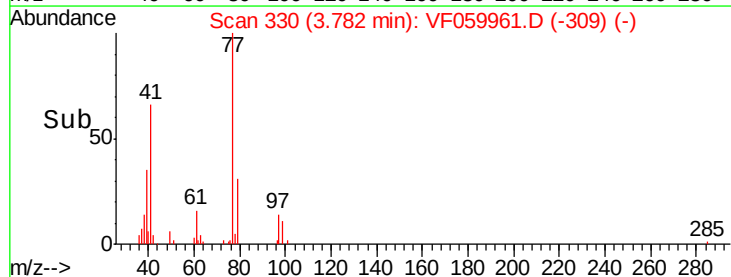
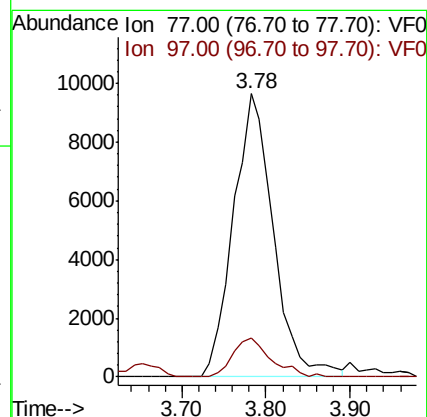
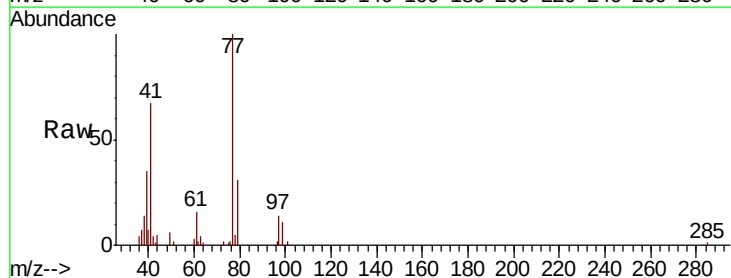
Acq: 14 Aug 2018 23:47

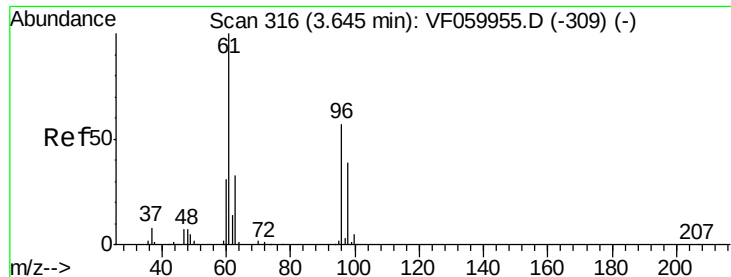
Tgt Ion: 77 Resp: 31937

Ion Ratio Lower Upper

77 100

97 13.6 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 22.69 ug/l

RT: 3.65 min Scan# 317

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

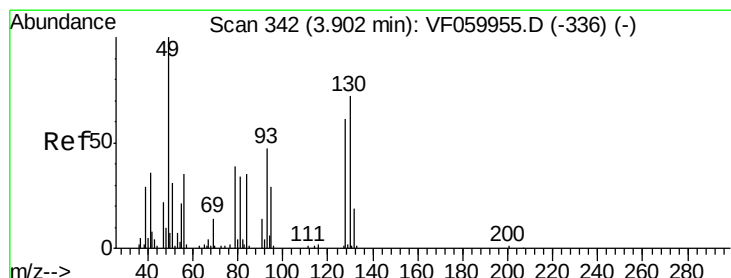
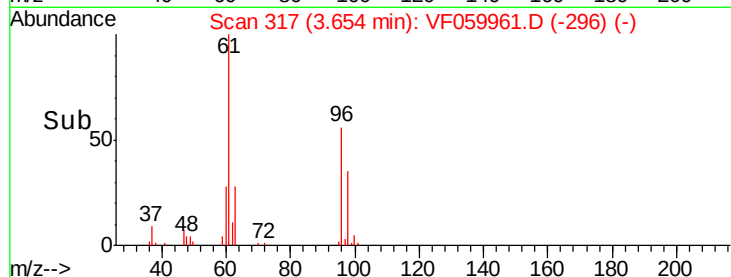
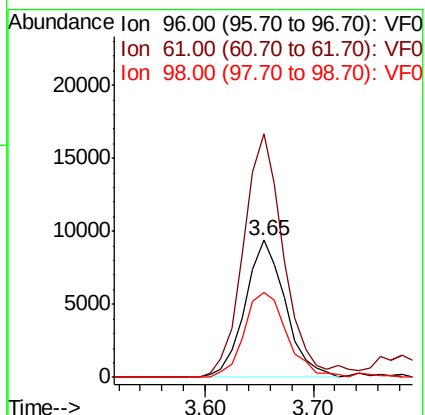
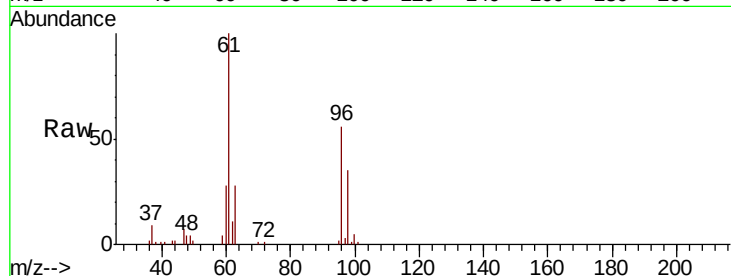
Tot Ion: 96 Resp: 24501

Ion Ratio Lower Upper

96 100

61 178.0 0.0 349.4

98 62.3 0.0 134.6



#28

Bromochloromethane

Concen: 22.20 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

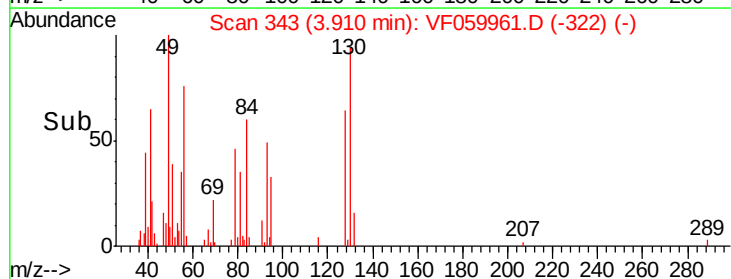
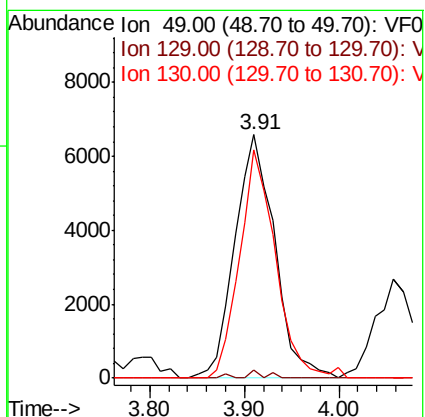
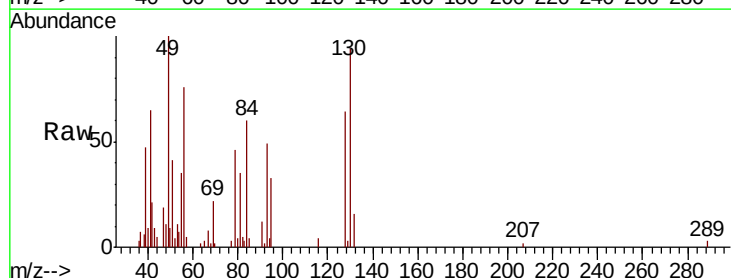
Tgt Ion: 49 Resp: 19219

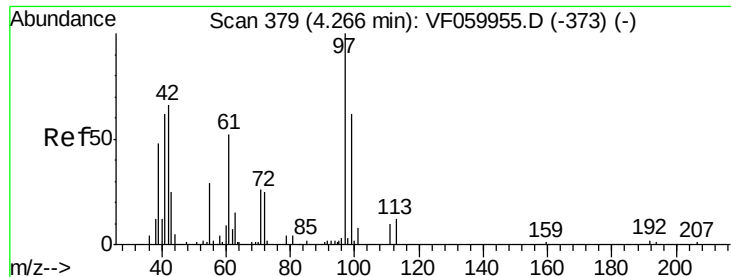
Ion Ratio Lower Upper

49 100

129 3.4 0.0 4.2

130 93.7 58.1 87.1#

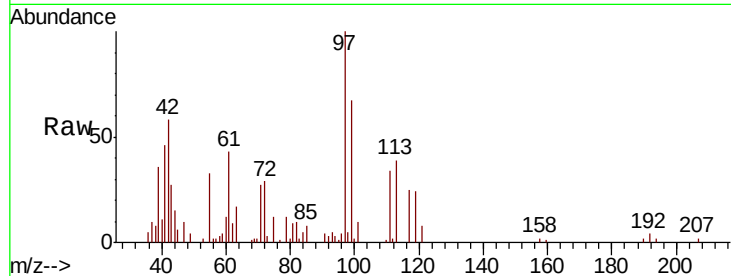




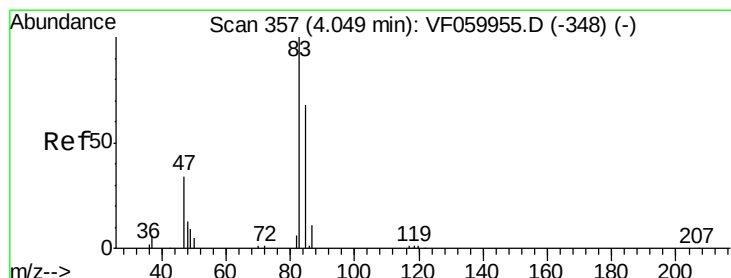
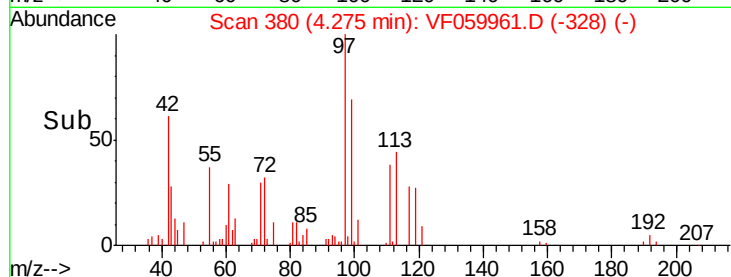
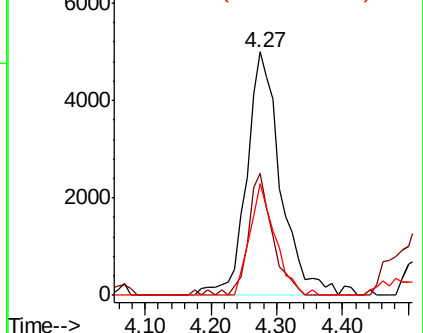
#29
Tetrahydrofuran
Concen: 117.71 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion: 42 Resp: 17996
Ion Ratio Lower Upper
42 100
72 36.0 27.7 41.5
71 34.7 28.2 42.4

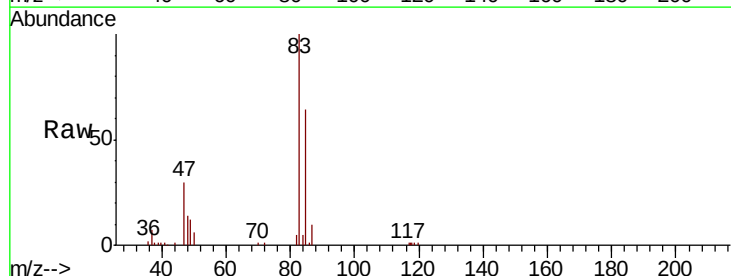


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

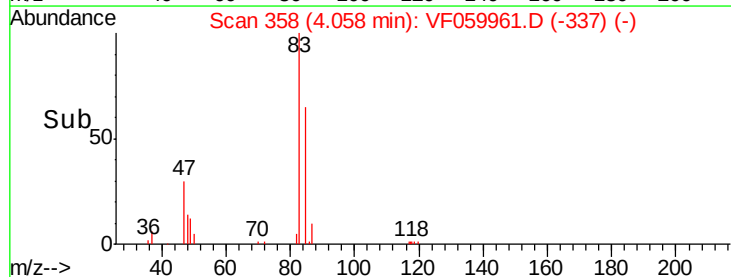
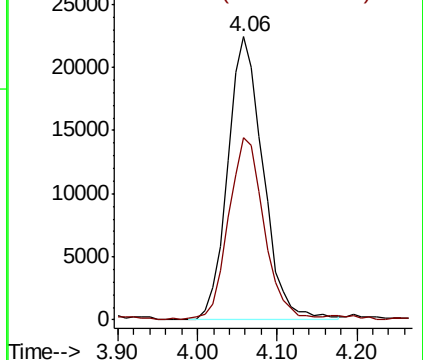


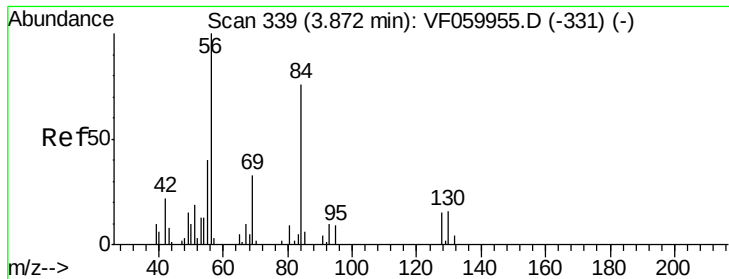
#30
Chloroform
Concen: 21.80 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 83 Resp: 69589
Ion Ratio Lower Upper
83 100
85 64.3 54.4 81.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 24.88 ug/l

RT: 3.88 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

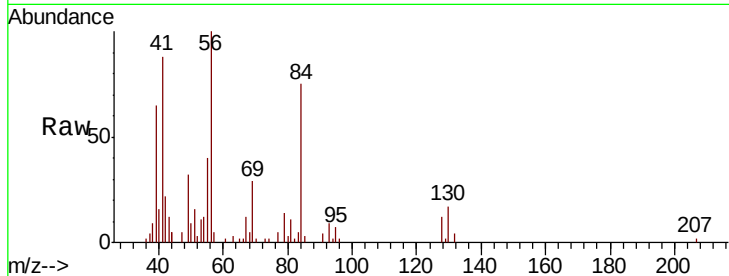
Tot Ion: 56 Resp: 28915

Ion Ratio Lower Upper

56 100

69 28.6 26.2 39.2

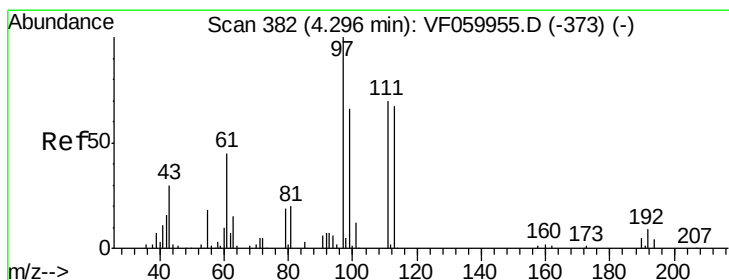
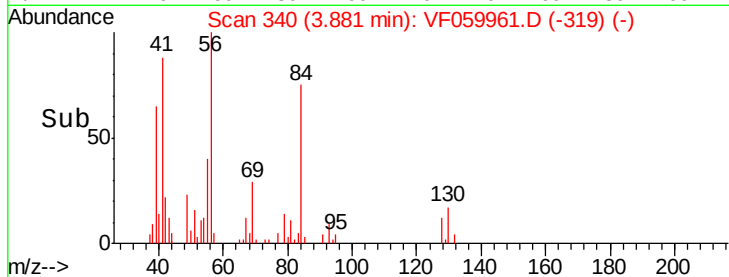
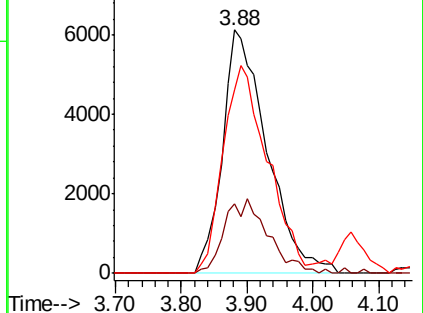
84 75.4 61.0 91.4



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



#32

1,1,1-Trichloroethane

Concen: 22.10 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

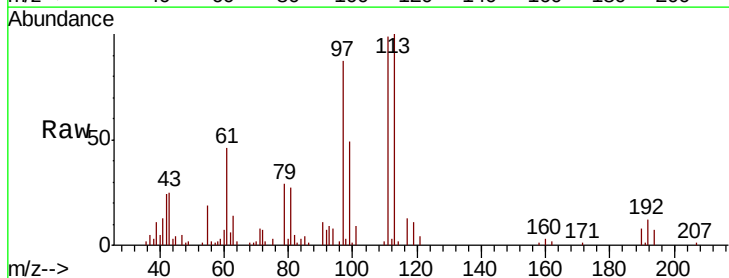
Tgt Ion: 97 Resp: 58009

Ion Ratio Lower Upper

97 100

99 56.1 53.0 79.4

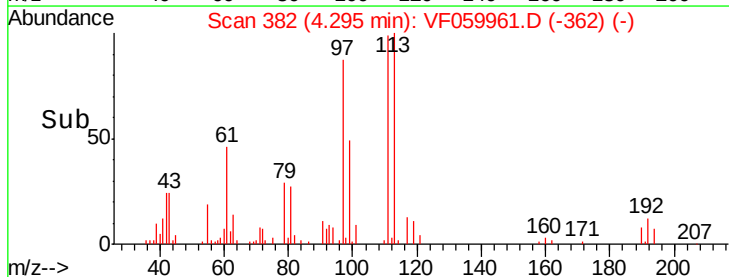
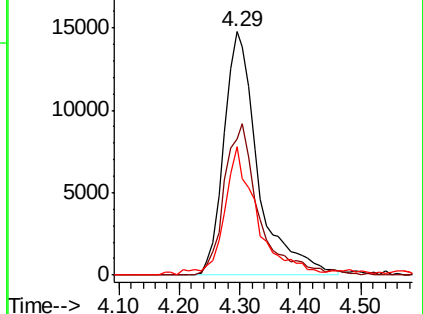
61 52.8 36.6 55.0

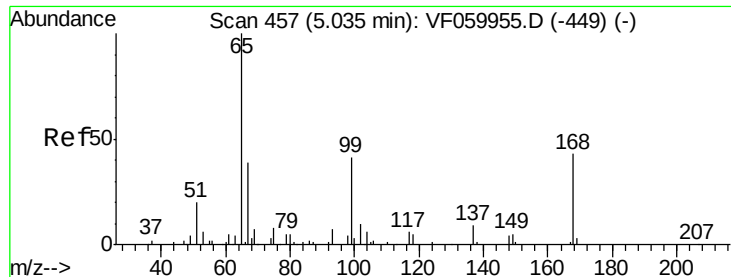


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

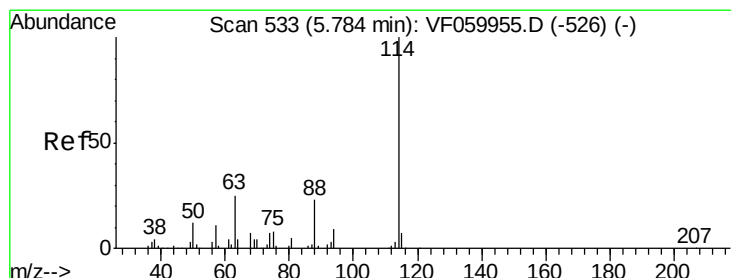
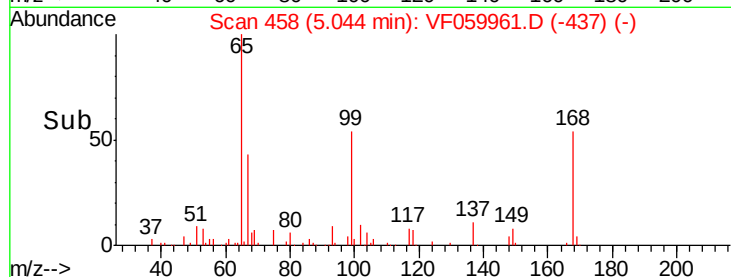
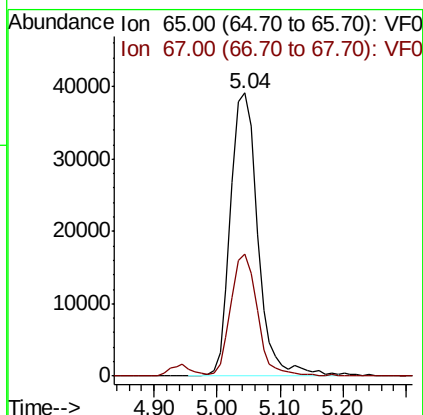
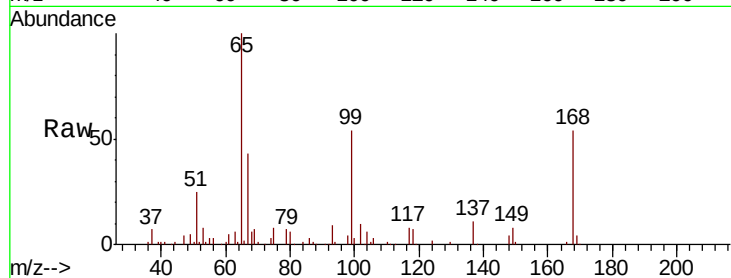




#33
 1,2-Dichloroethane-d4
 Concen: 53.09 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

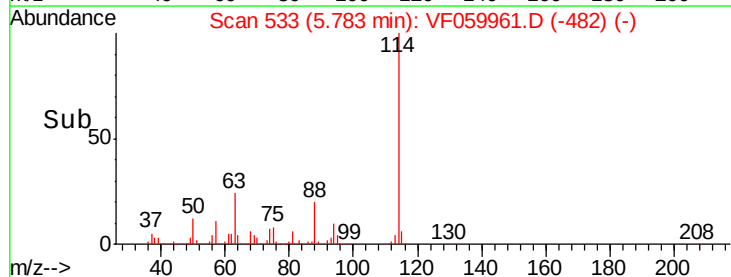
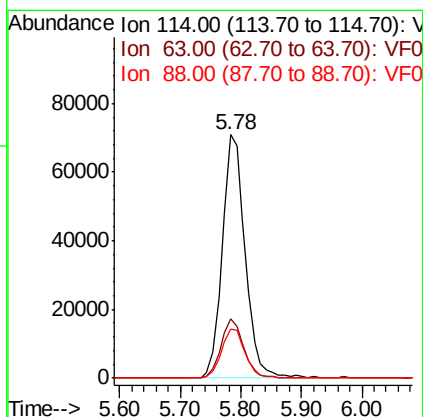
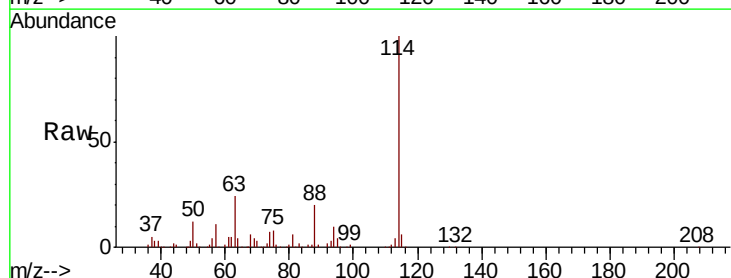
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

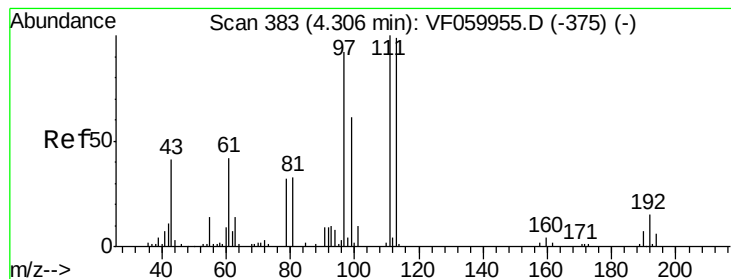
Tot Ion: 65 Resp: 117724
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion: 114 Resp: 185684
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.2
 88 20.2 0.0 46.8





#35

Dibromofluoromethane

Concen: 49.94 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

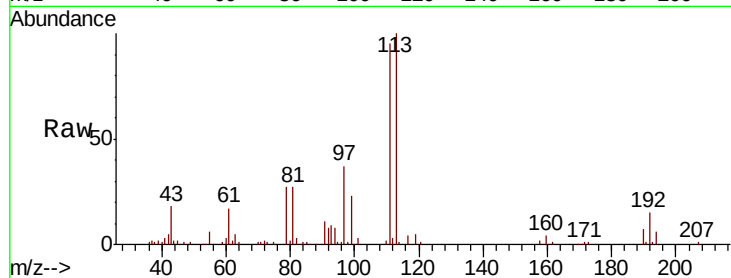
Tot Ion:113 Resp: 92915

Ion Ratio Lower Upper

113 100

111 95.2 80.6 121.0

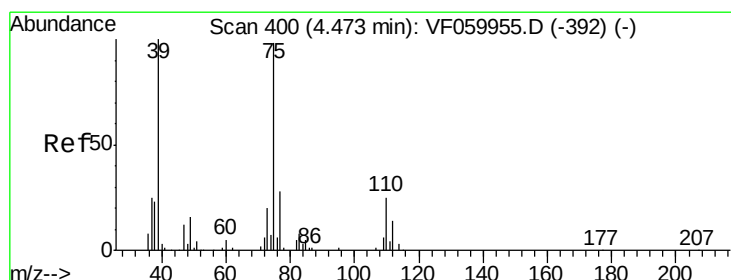
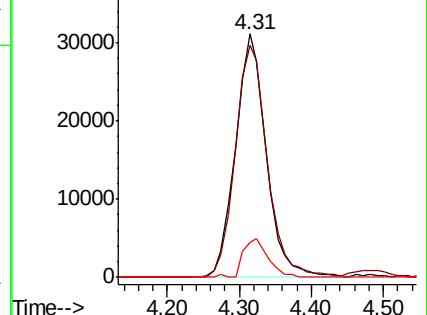
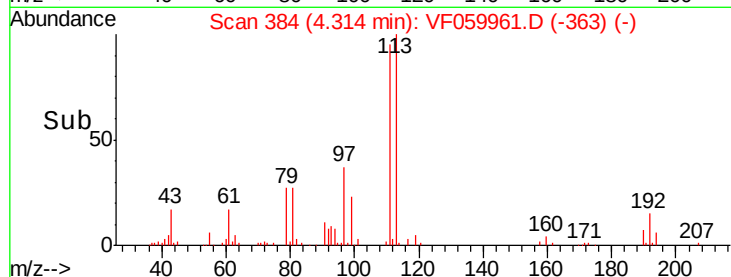
192 14.5 11.7 17.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.70 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

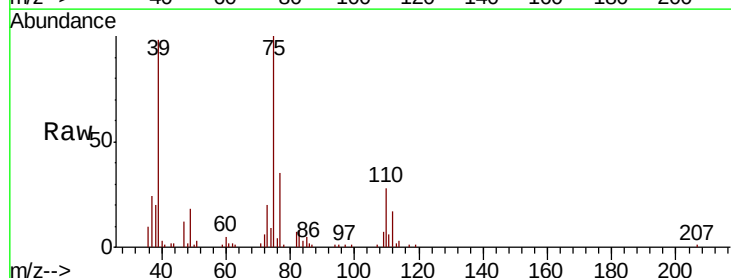
Tgt Ion: 75 Resp: 42695

Ion Ratio Lower Upper

75 100

110 27.7 12.6 37.8

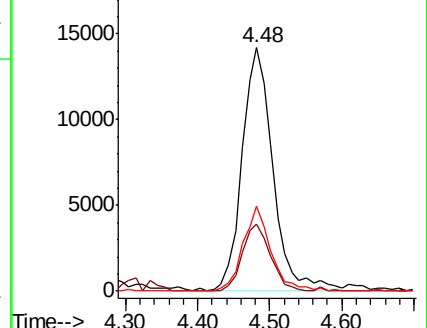
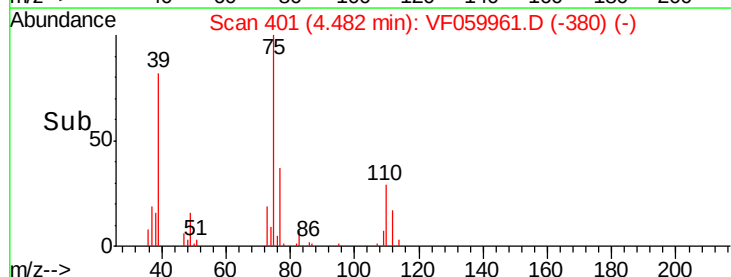
77 35.1 22.7 34.1#

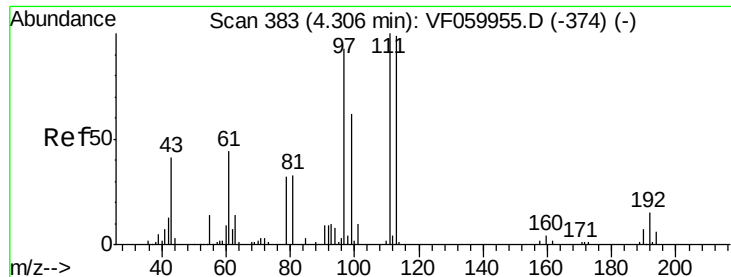


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

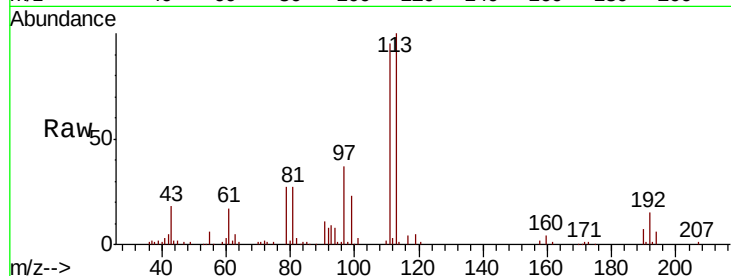




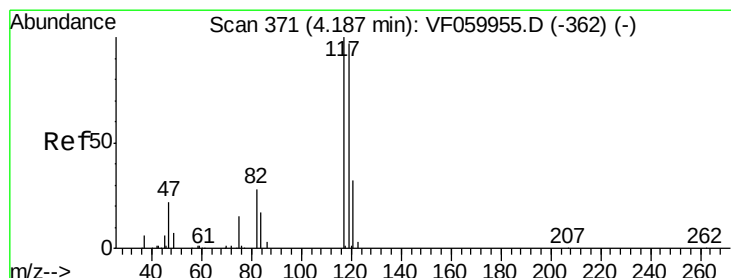
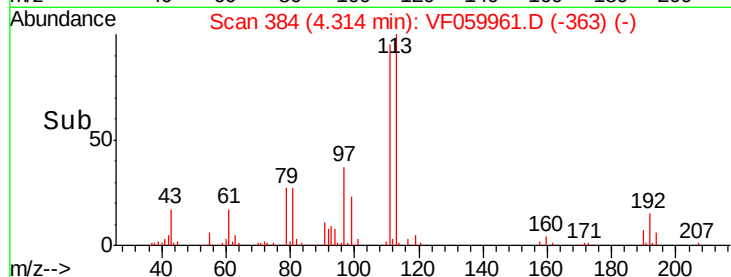
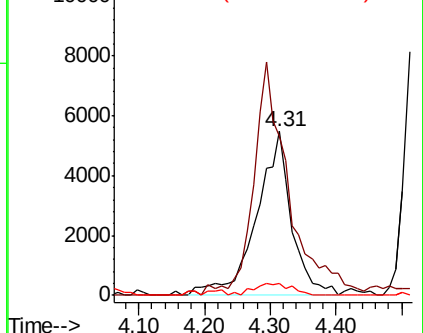
#37
Ethyl Acetate
Concen: 22.91 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion: 43 Resp: 20222
Ion Ratio Lower Upper
43 100
61 97.3 84.3 126.5
70 7.4 5.5 8.3

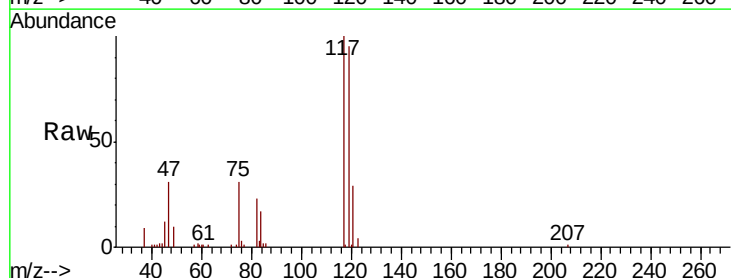


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

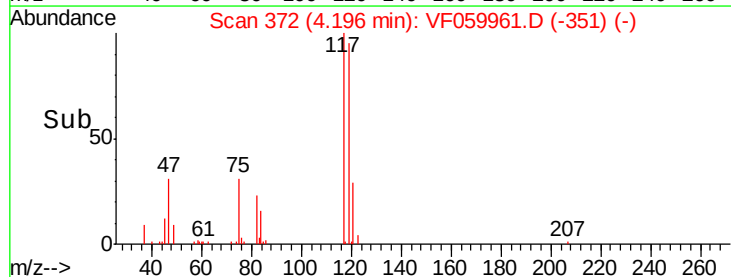
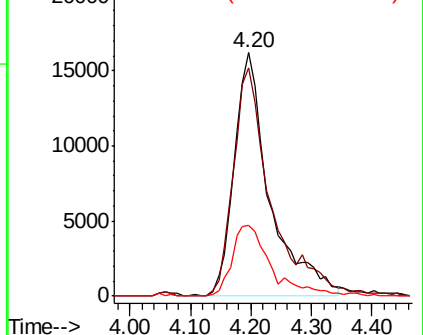


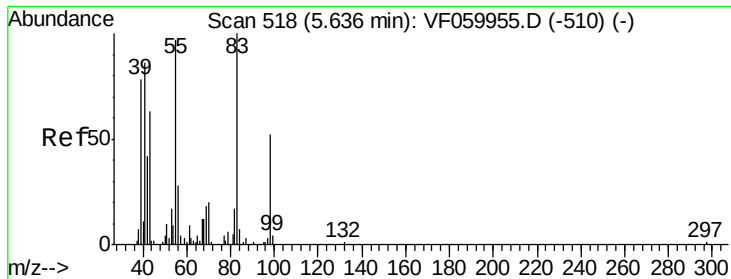
#38
Carbon Tetrachloride
Concen: 19.33 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 117 Resp: 66398
Ion Ratio Lower Upper
117 100
119 93.9 76.9 115.3
121 29.0 24.9 37.3



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

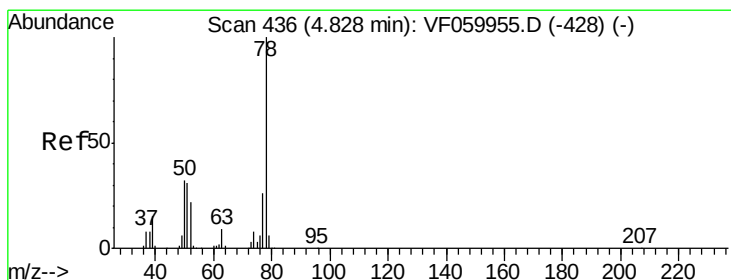
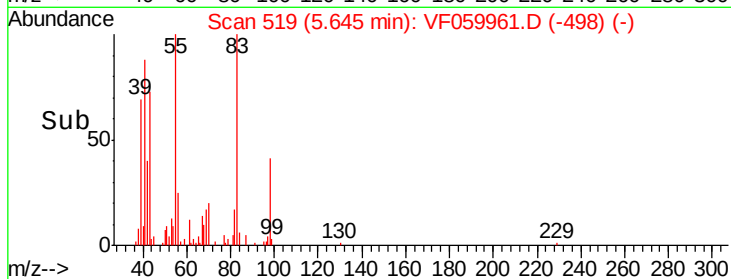
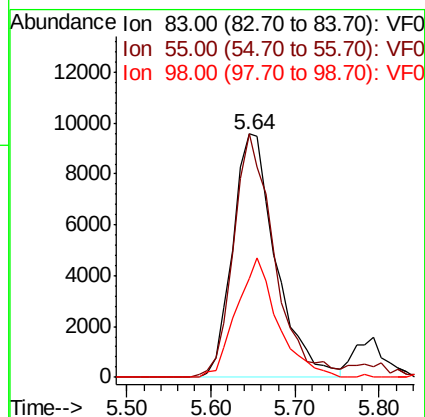
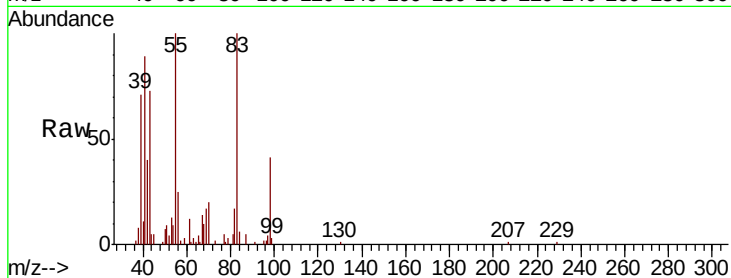




#39
Methylvlcyclohexane
Concen: 22.84 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

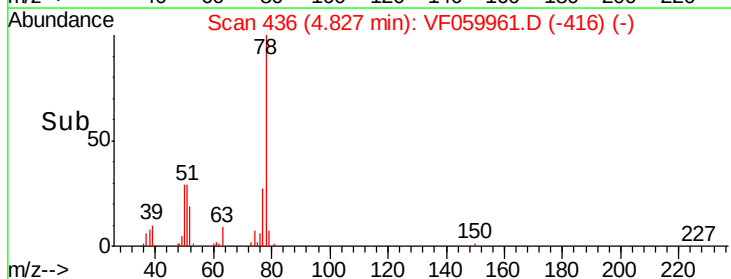
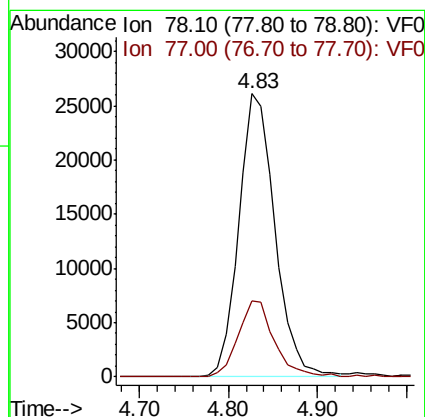
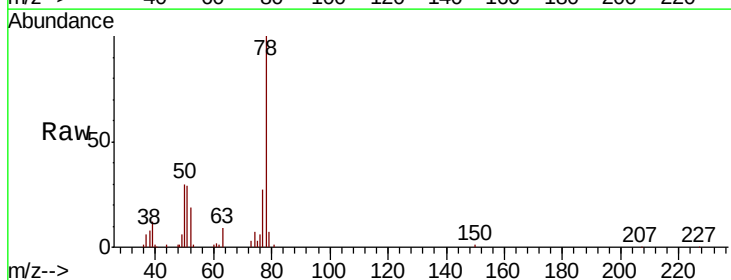
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

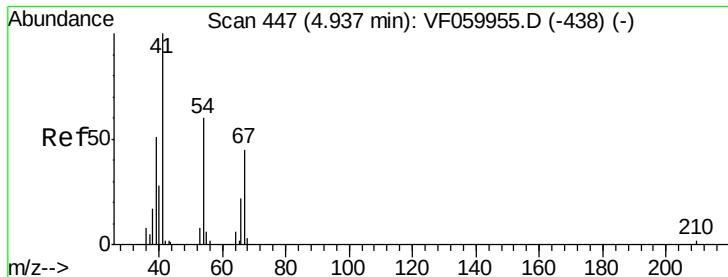
Tot Ion: 83 Resp: 34244
Ion Ratio Lower Upper
83 100
55 100.0 77.4 116.2
98 40.8 41.5 62.3#



#40
Benzene
Concen: 21.02 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 78 Resp: 73410
Ion Ratio Lower Upper
78 100
77 27.0 21.1 31.7





#41

Methacrylonitrile

Concen: 20.83 ug/l

RT: 4.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 41 Resp: 9068

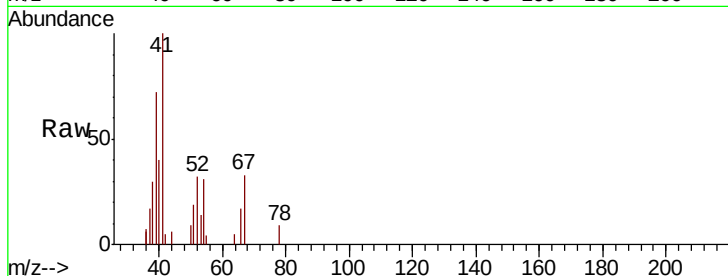
Ion Ratio Lower Upper

41 100

39 72.1 75.7 113.5#

67 32.6 36.1 54.1#

52 31.7 48.0 72.0#

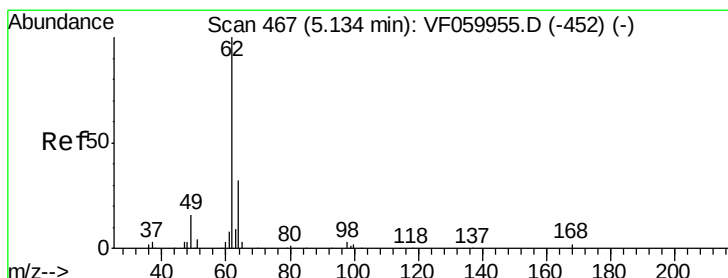
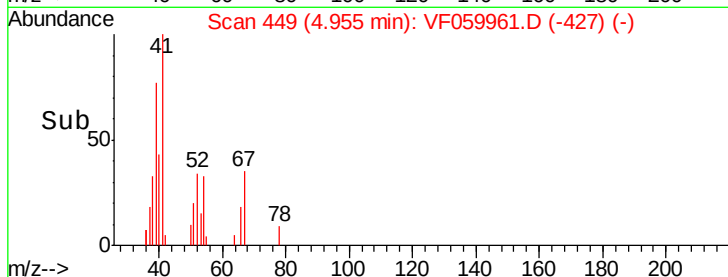
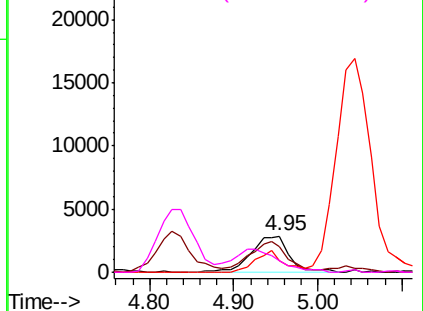


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#42

1,2-Dichloroethane

Concen: 20.21 ug/l

RT: 5.13 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF059961.D

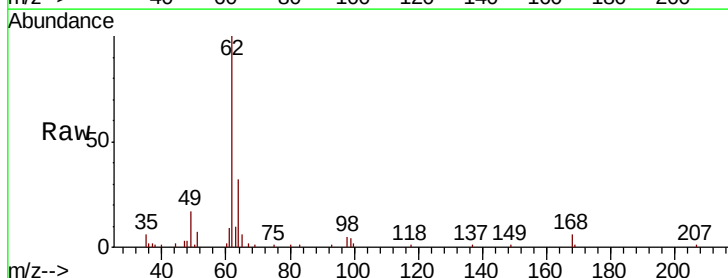
Acq: 14 Aug 2018 23:47

Tgt Ion: 62 Resp: 56066

Ion Ratio Lower Upper

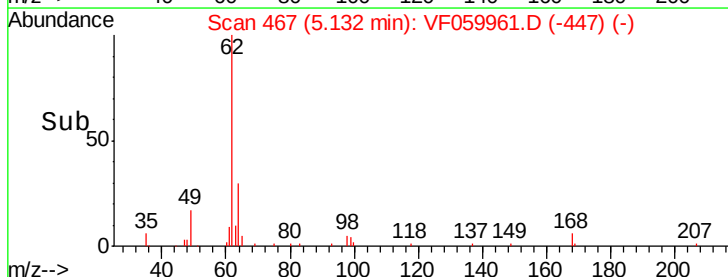
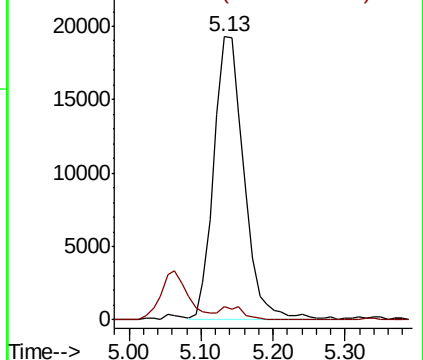
62 100

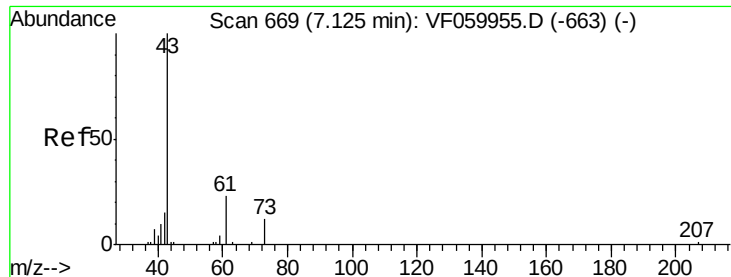
98 4.7 0.0 5.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.78 ug/l

RT: 7.13 min Scan# 670

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

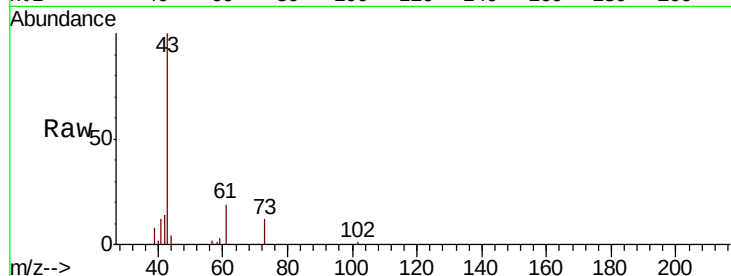
Tot Ion: 43 Resp: 19992

Ion Ratio Lower Upper

43 100

61 19.0 18.6 27.8

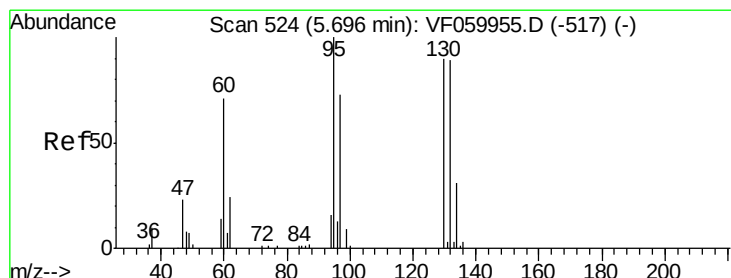
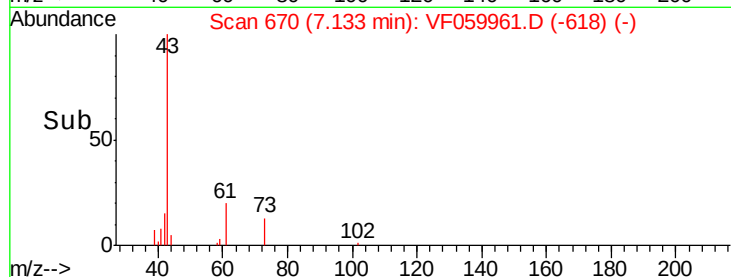
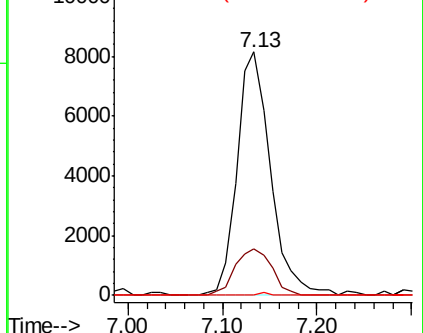
87 0.0 0.0 0.0



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: 21.76 ug/l

RT: 5.69 min Scan# 524

Delta R.T. -0.00 min

Lab File: VF059961.D

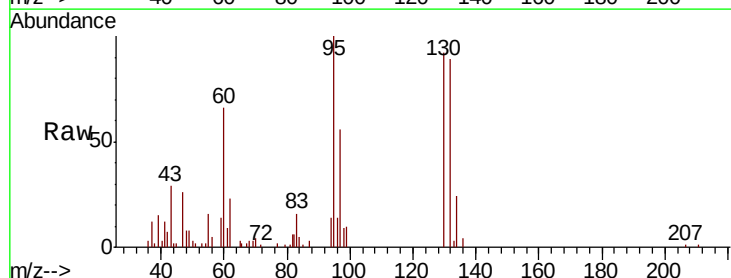
Acq: 14 Aug 2018 23:47

Tgt Ion:130 Resp: 29246

Ion Ratio Lower Upper

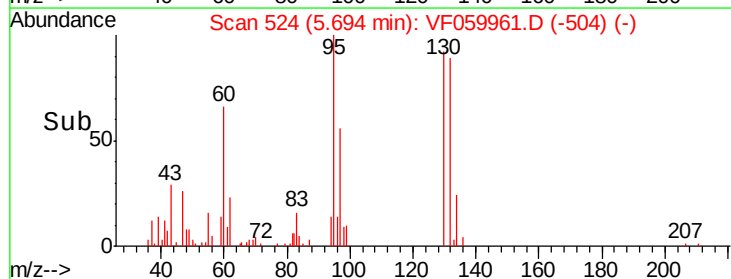
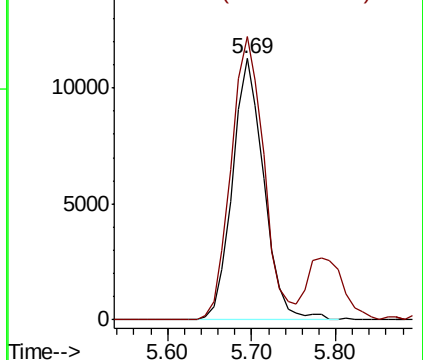
130 100

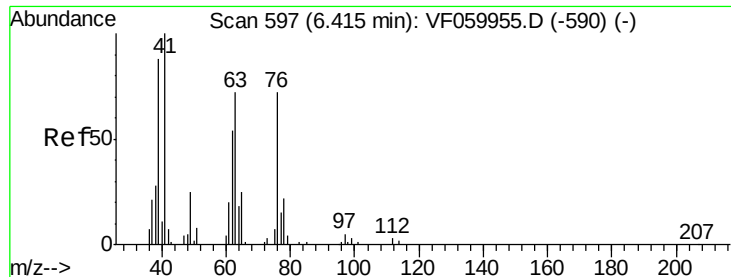
95 108.3 0.0 222.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.91 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

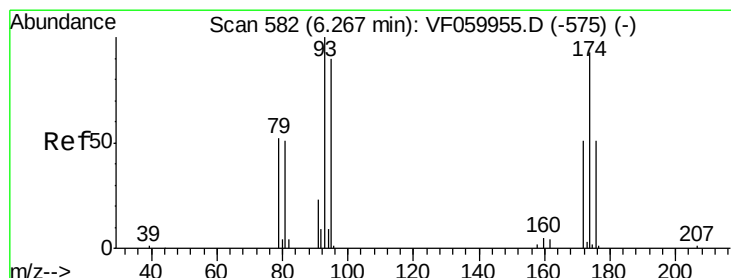
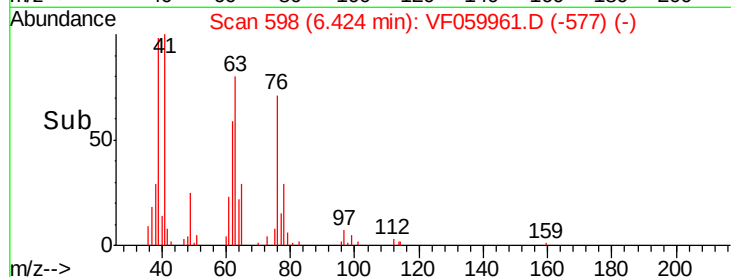
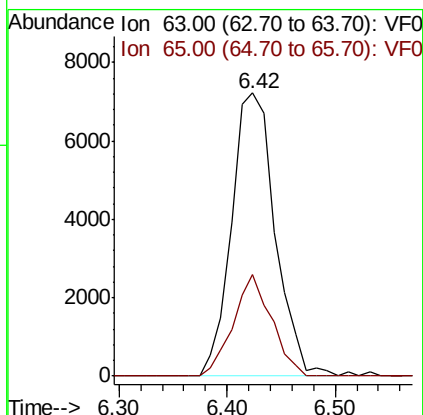
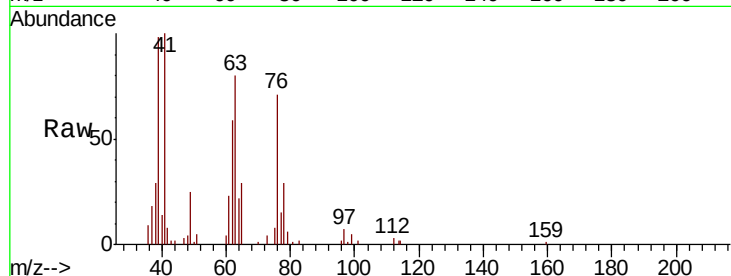
VF0814SBS01

Tot Ion: 63 Resp: 20236

Ion Ratio Lower Upper

63 100

65 36.0 27.8 41.6



#46

Dibromomethane

Concen: 20.96 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

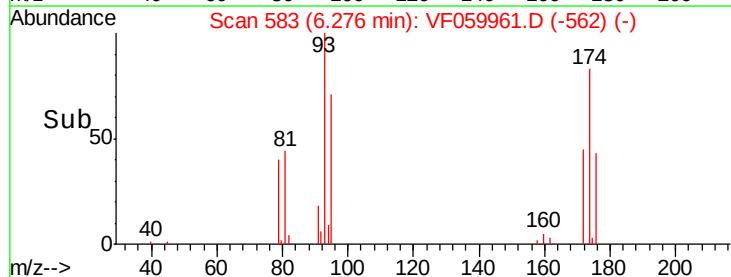
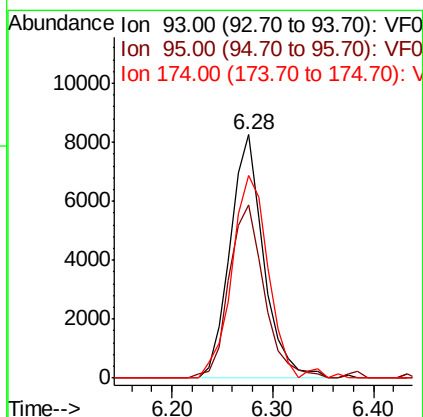
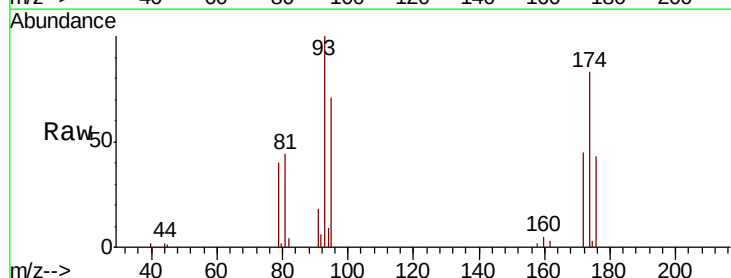
Tgt Ion: 93 Resp: 19094

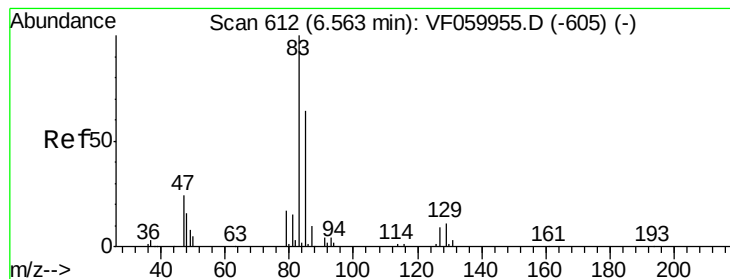
Ion Ratio Lower Upper

93 100

95 71.4 72.4 108.6#

174 86.7 75.9 113.9





#47

Bromodichloromethane

Concen: 20.01 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

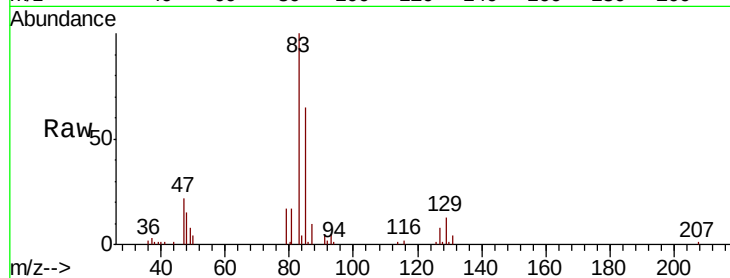
Tot Ion: 83 Resp: 52624

Ion Ratio Lower Upper

83 100

85 64.8 51.5 77.3

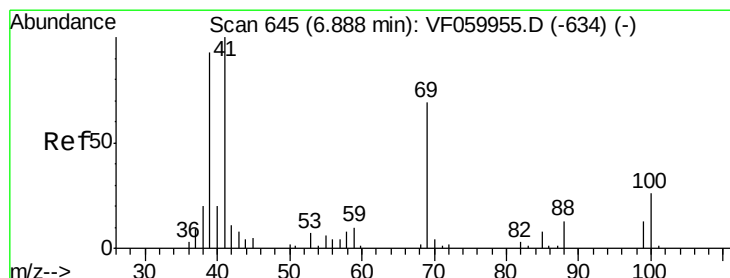
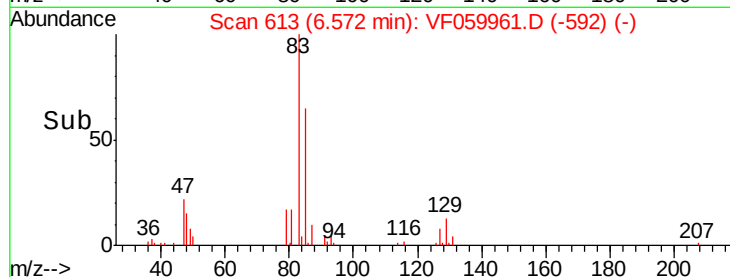
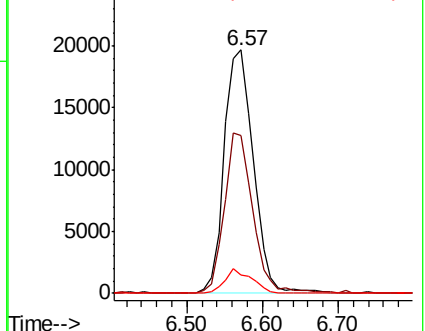
127 7.7 7.5 11.3



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: 20.50 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

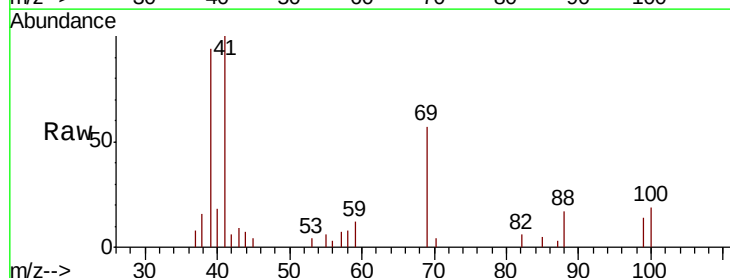
Tgt Ion: 41 Resp: 14693

Ion Ratio Lower Upper

41 100

69 56.5 54.8 82.2

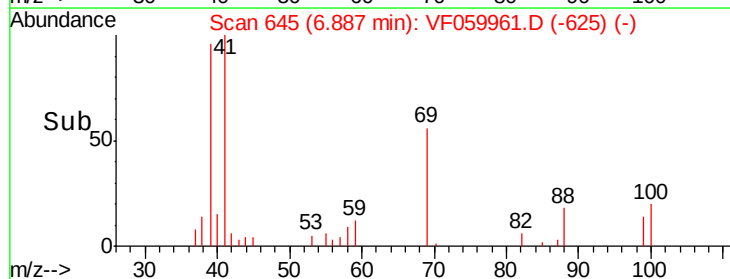
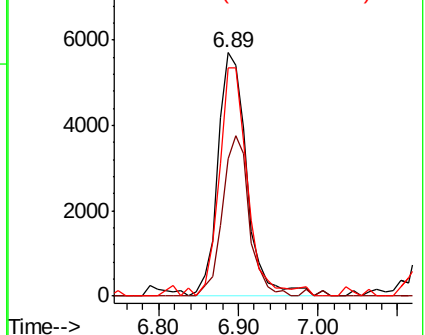
39 93.7 75.1 112.7

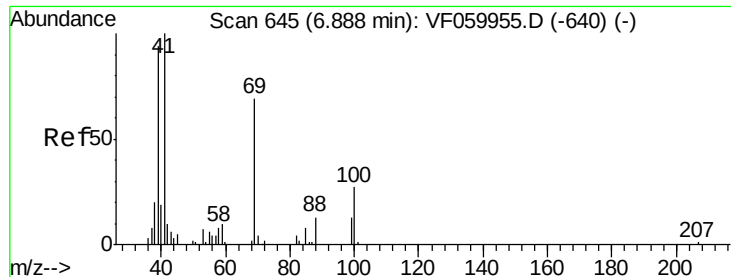


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 452.81 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

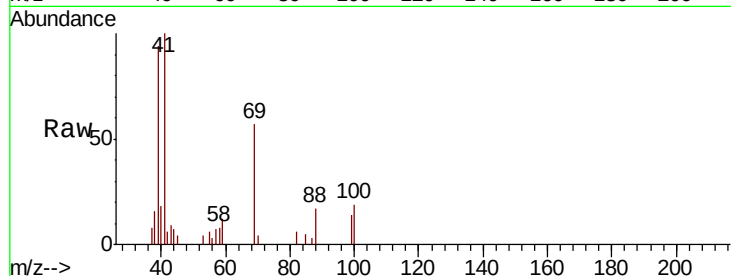
Tot Ion: 88 Resp: 2454

Ion Ratio Lower Upper

88 100

43 53.2 47.9 71.9

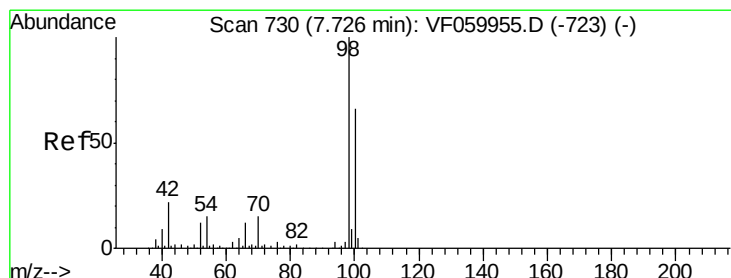
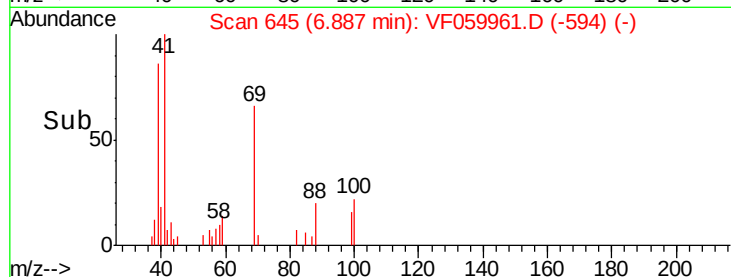
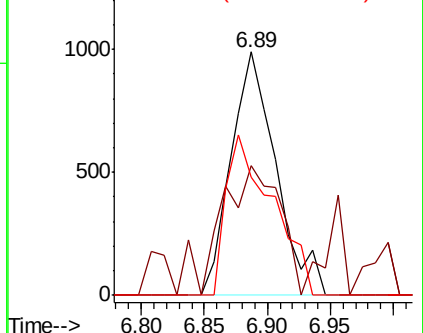
58 48.6 52.0 78.0#



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: 50.82 ug/l

RT: 7.72 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF059961.D

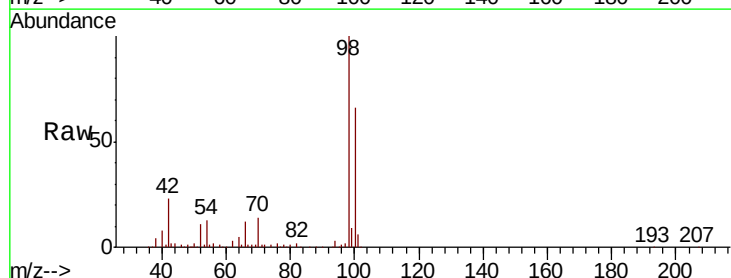
Acq: 14 Aug 2018 23:47

Tgt Ion: 98 Resp: 208506

Ion Ratio Lower Upper

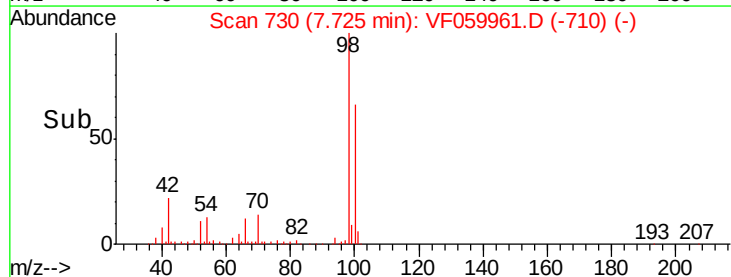
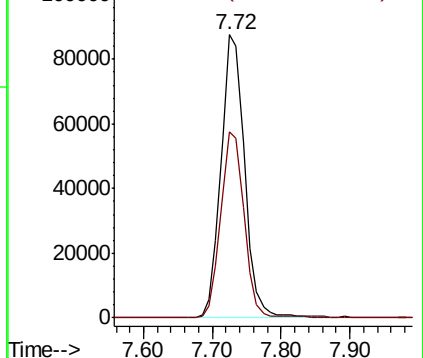
98 100

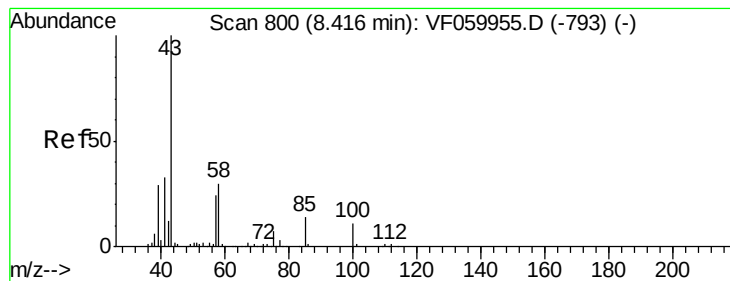
100 65.6 52.9 79.3



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: 107.80 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

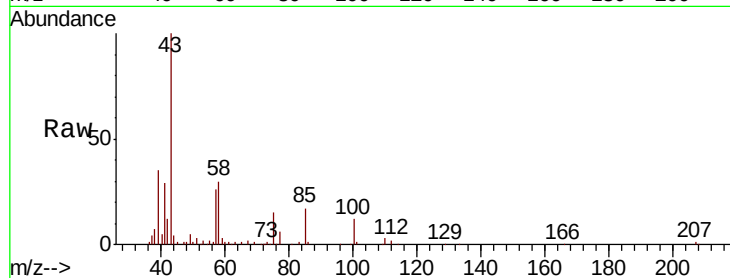
VF0814SBS01

Tot Ion: 43 Resp: 100488

Ion Ratio Lower Upper

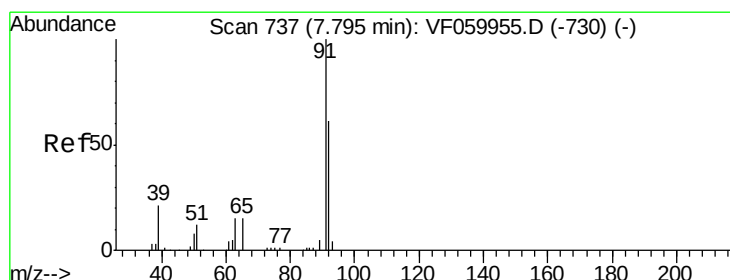
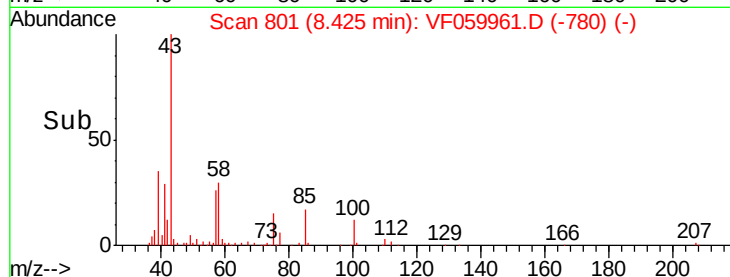
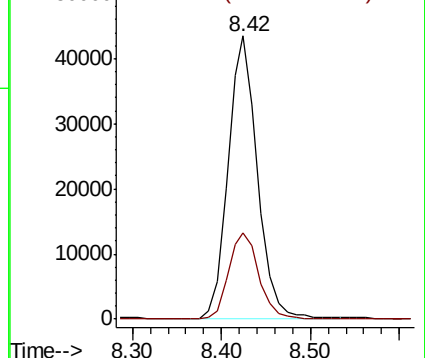
43 100

58 30.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.33 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059961.D

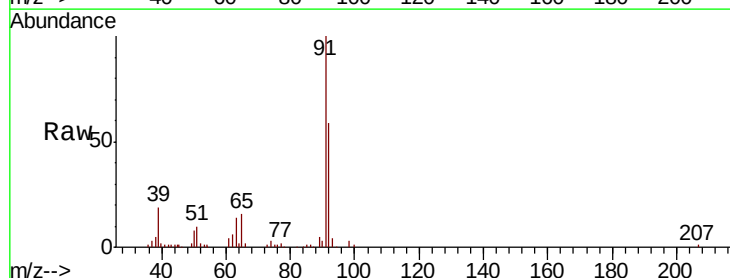
Acq: 14 Aug 2018 23:47

Tgt Ion: 92 Resp: 52584

Ion Ratio Lower Upper

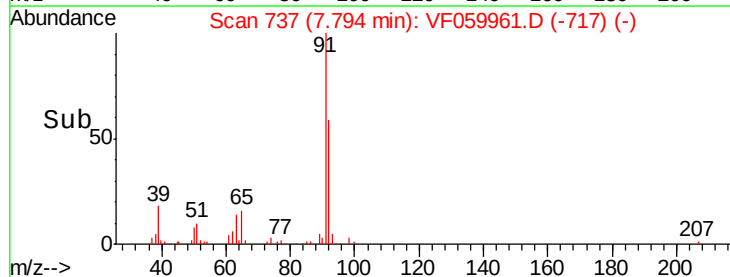
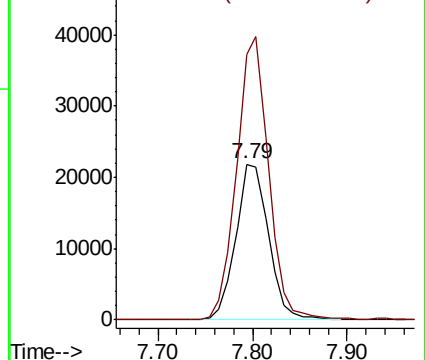
92 100

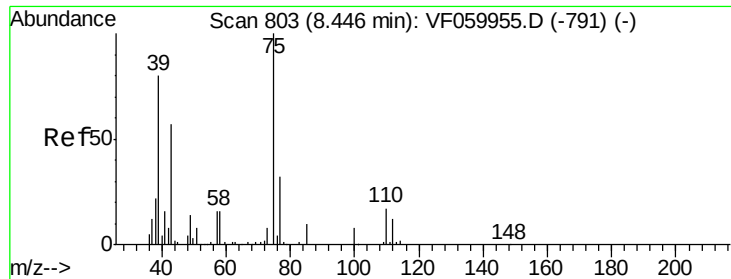
91 170.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

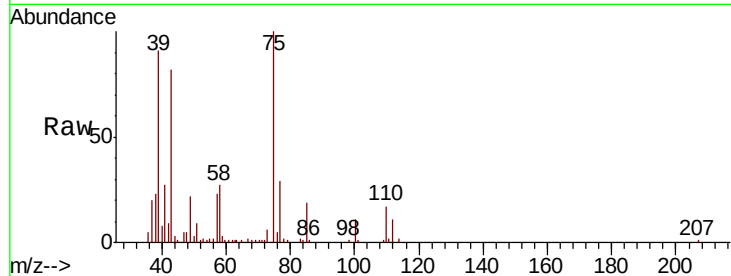
VF0814SBS01

Tot Ion: 75 Resp: 43914

Ion Ratio Lower Upper

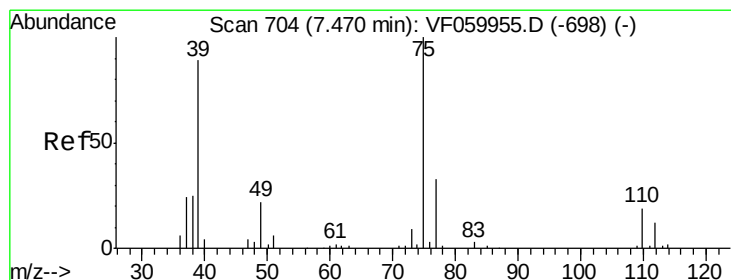
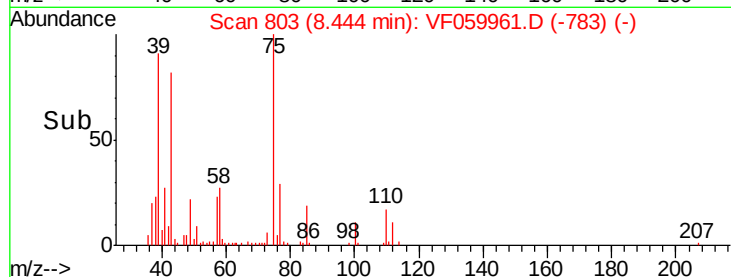
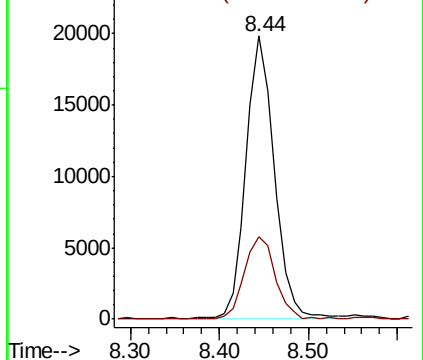
75 100

77 29.3 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.20 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

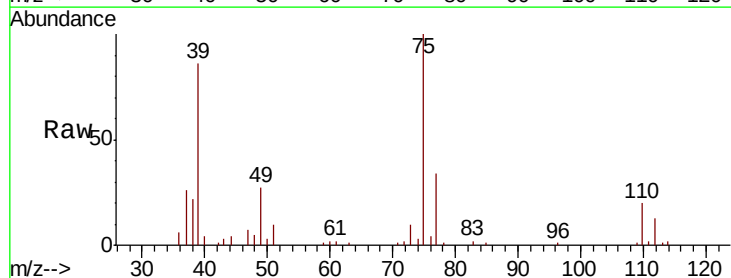
Tgt Ion: 75 Resp: 43876

Ion Ratio Lower Upper

75 100

77 34.3 26.1 39.1

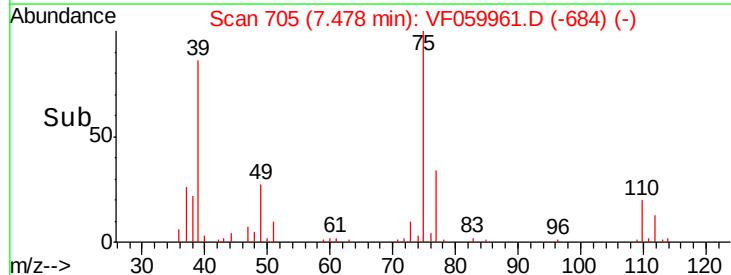
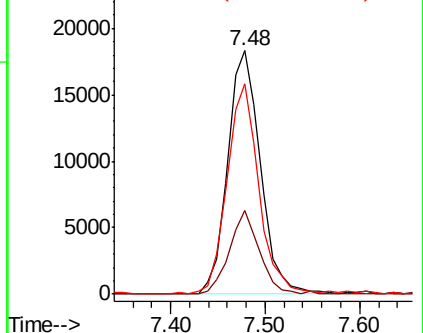
39 86.2 71.6 107.4

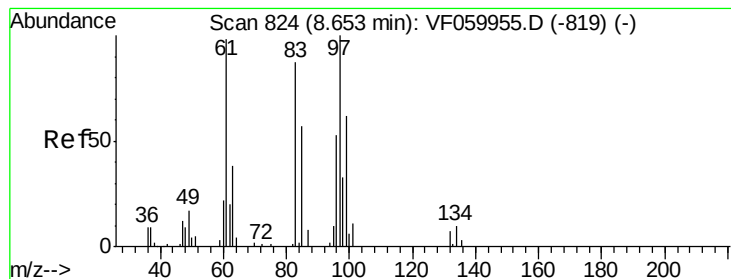


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.04 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

Tot Ion: 97 Resp: 17710

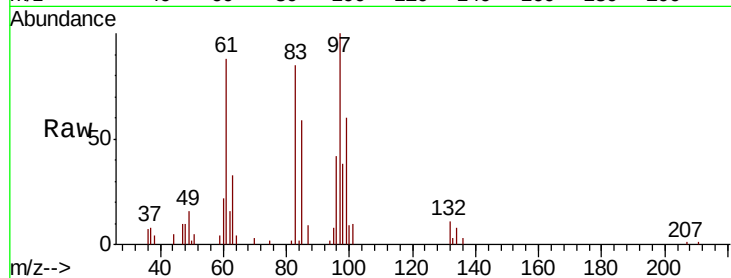
Ion Ratio Lower Upper

97 100

83 85.1 70.0 105.0

85 59.0 45.2 67.8

99 60.3 49.7 74.5

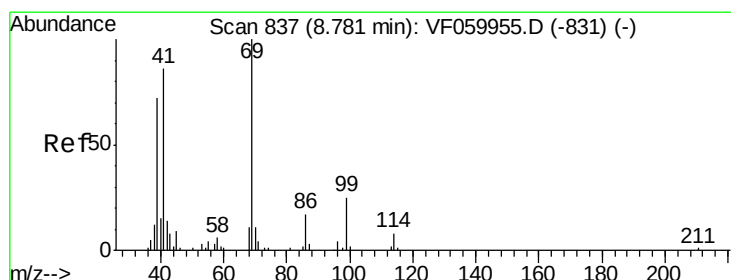
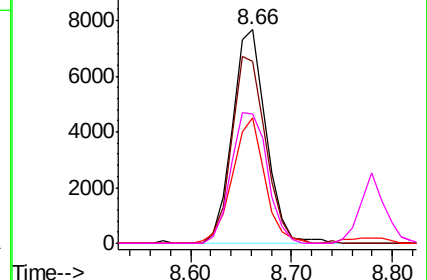
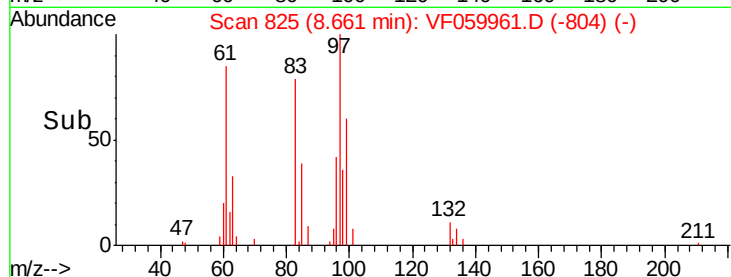


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 20.64 ug/l

RT: 8.78 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

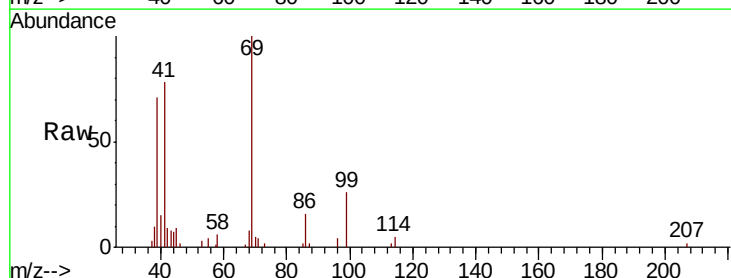
Tgt Ion: 69 Resp: 19600

Ion Ratio Lower Upper

69 100

41 77.9 68.7 103.1

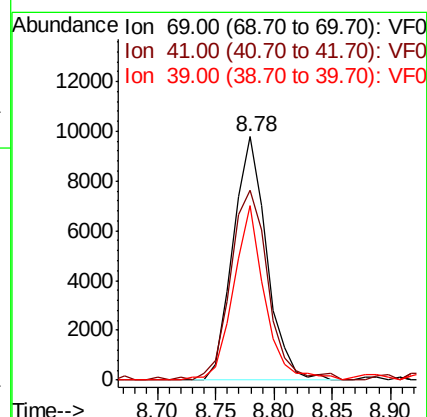
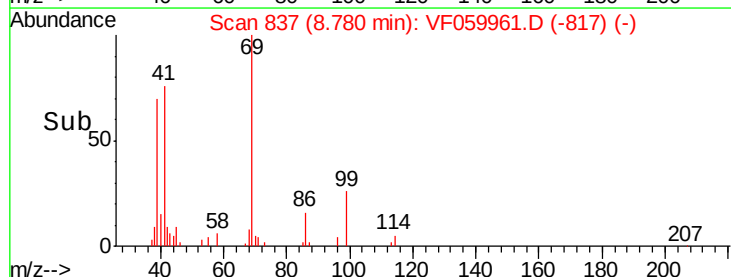
39 71.4 58.5 87.7

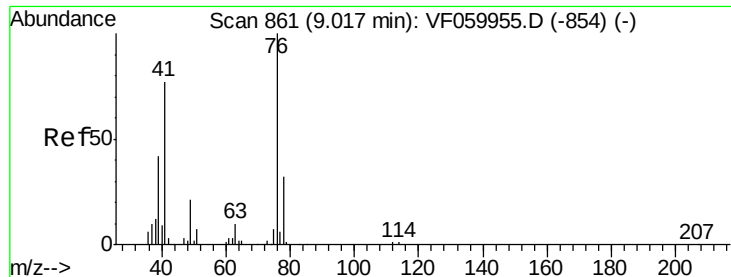


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.02 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

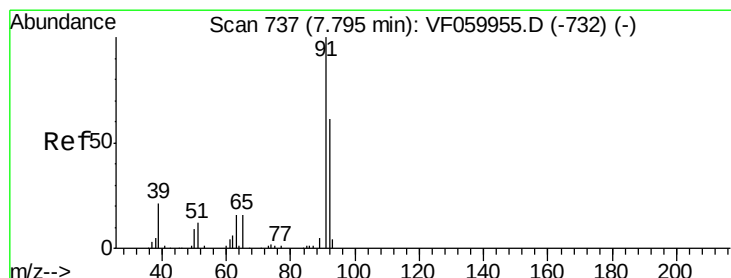
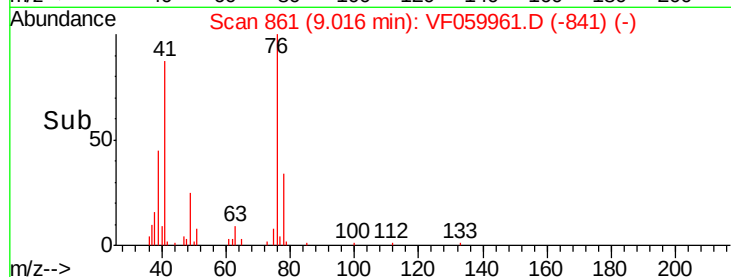
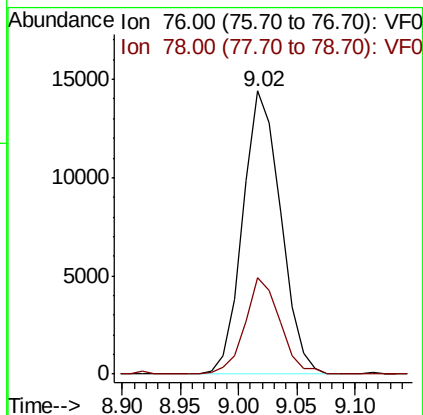
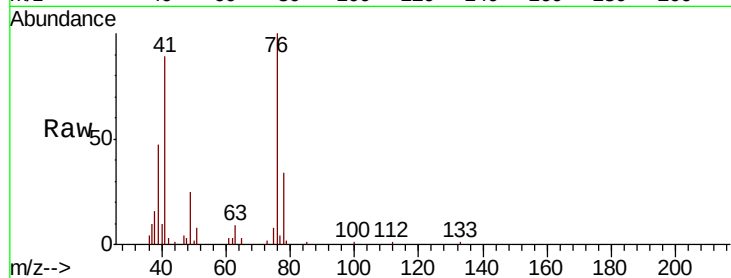
VF0814SBS01

Tot Ion: 76 Resp: 32598

Ion Ratio Lower Upper

76 100

78 34.3 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 93.33 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059961.D

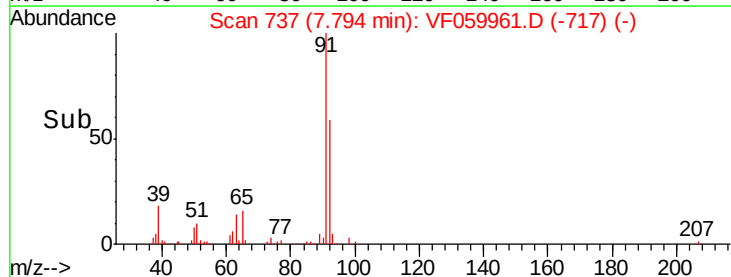
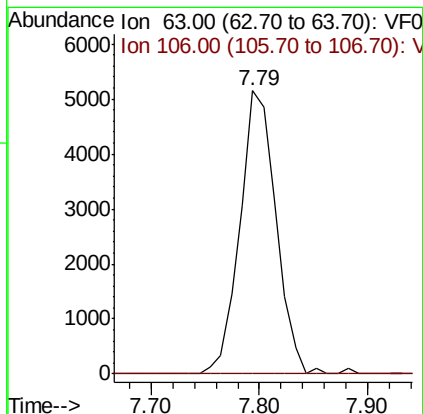
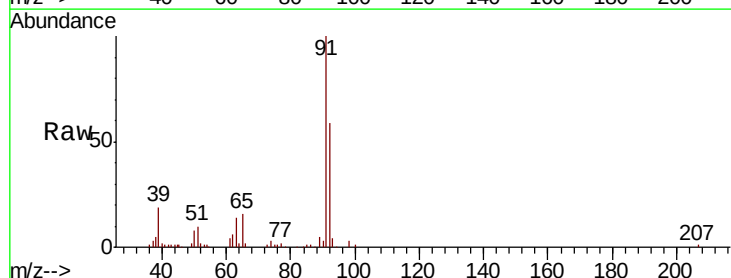
Acq: 14 Aug 2018 23:47

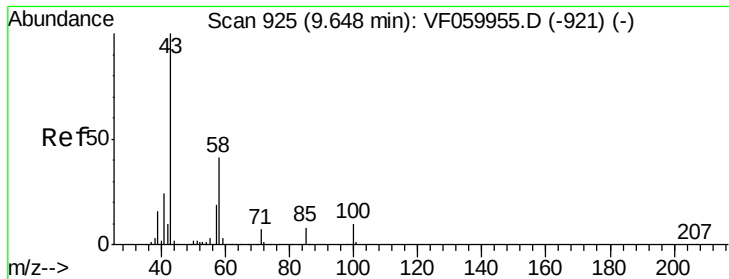
Tgt Ion: 63 Resp: 11920

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

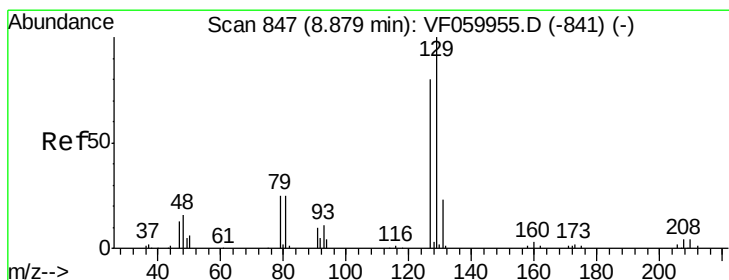
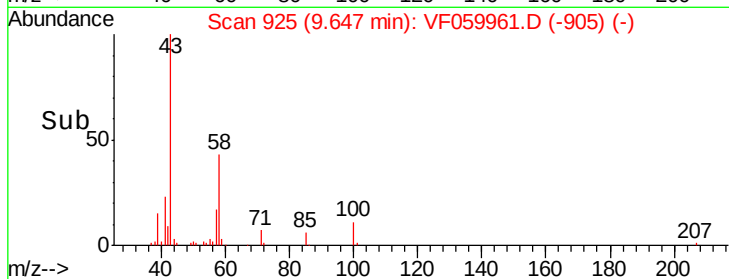
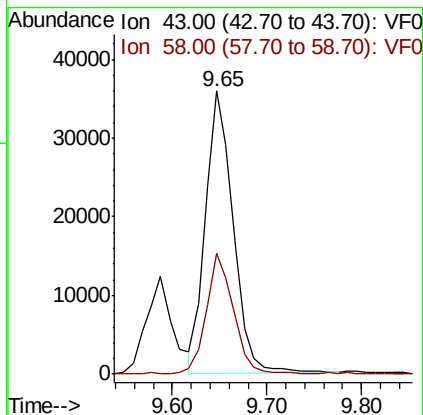
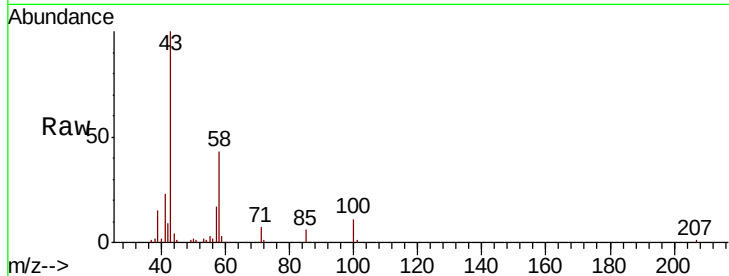




#59
2-Hexanone
Concen: 107.46 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

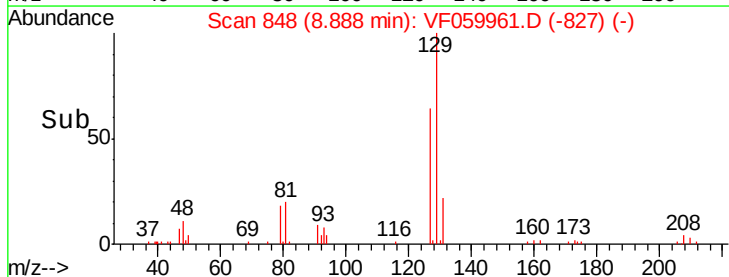
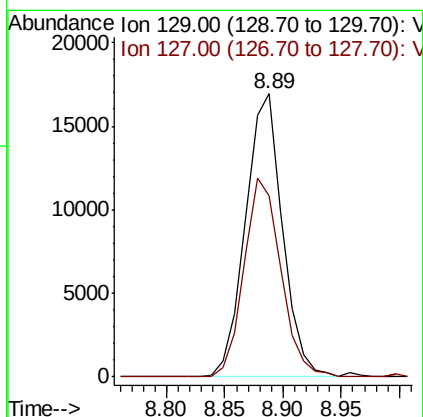
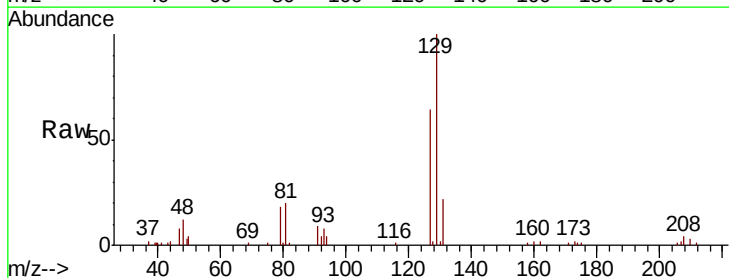
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

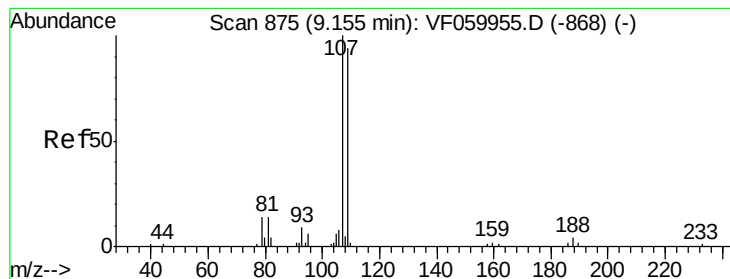
Tot Ion: 43 Resp: 73063
Ion Ratio Lower Upper
43 100
58 42.6 19.4 58.2



#60
Dibromochloromethane
Concen: 21.30 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 129 Resp: 37257
Ion Ratio Lower Upper
129 100
127 66.0 40.0 119.9





#61

1,2-Dibromoethane

Concen: 21.25 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

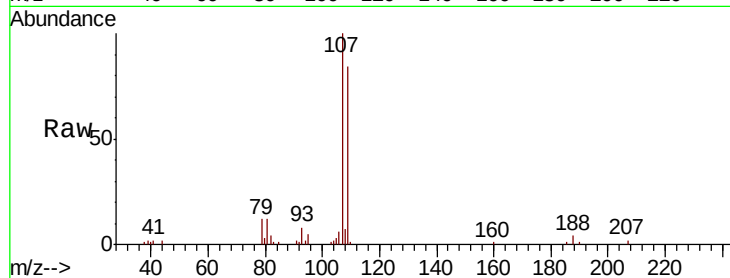
VF0814SBS01

Tot Ion:107 Resp: 23426

Ion Ratio Lower Upper

107 100

109 84.3 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.15

12000

10000

8000

6000

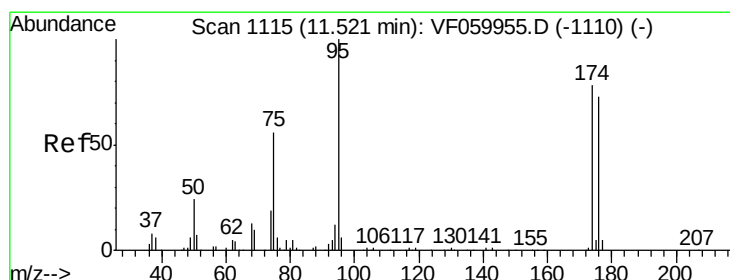
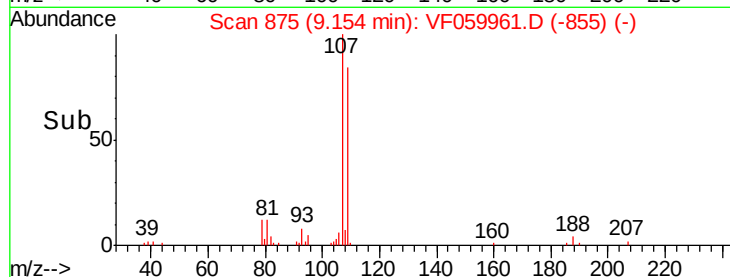
4000

2000

0

Time-->

9.10 9.20



#62

4-Bromofluorobenzene

Concen: 49.41 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

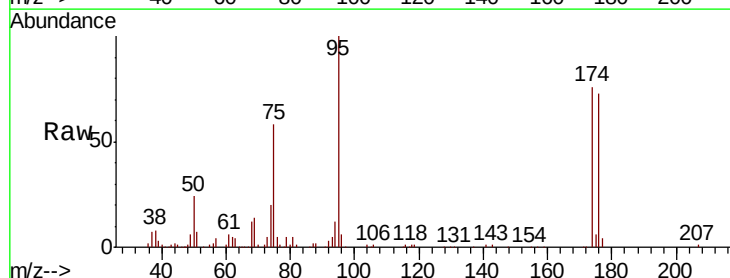
Tgt Ion: 95 Resp: 111368

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.4

176 72.7 0.0 146.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.52

80000

60000

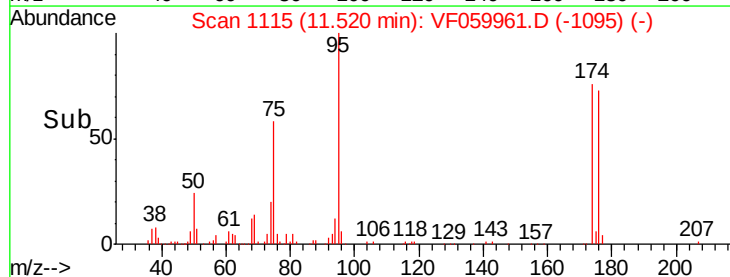
40000

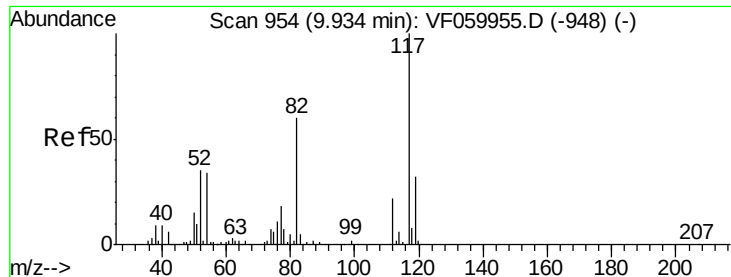
20000

0

Time-->

11.40 11.50 11.60 11.70

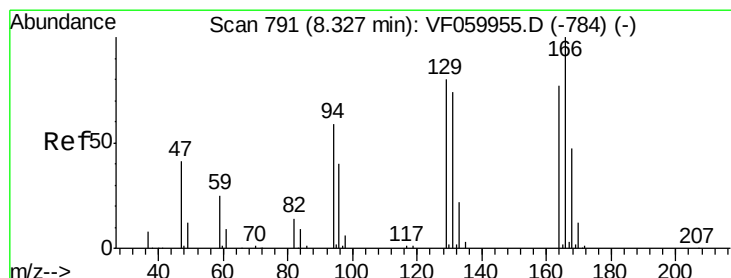
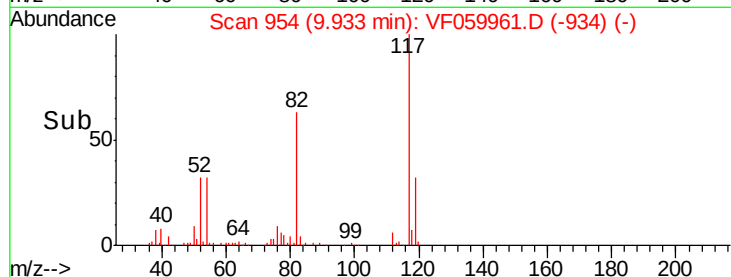
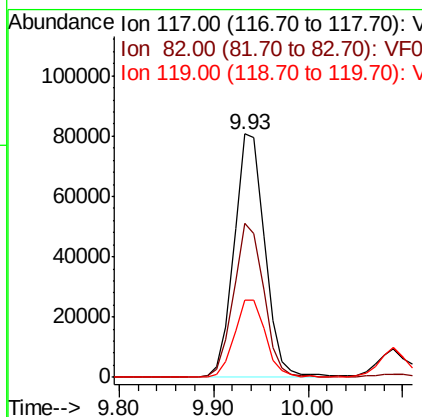
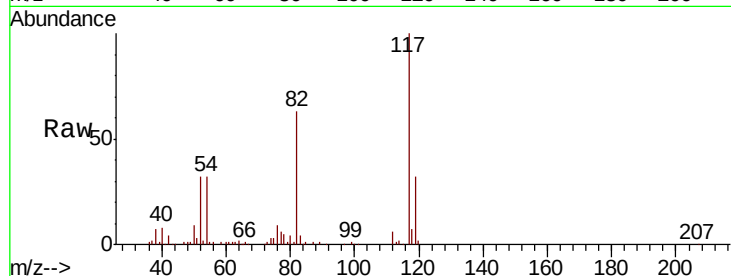




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

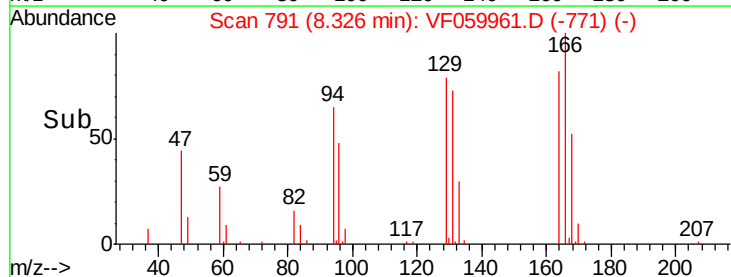
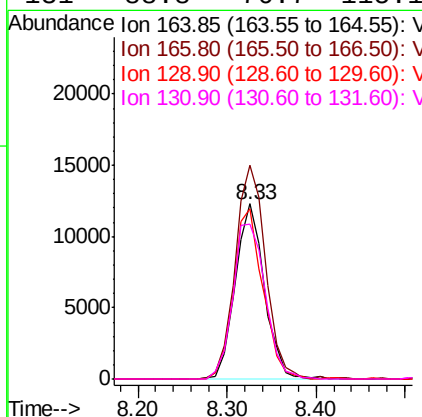
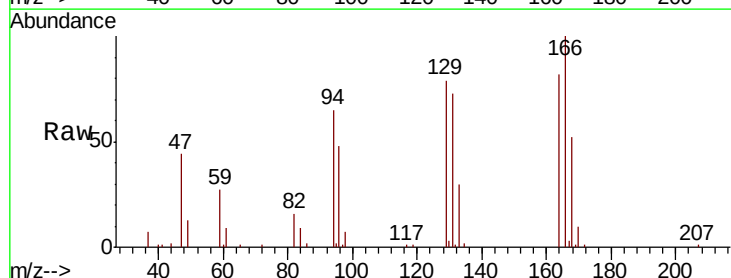
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

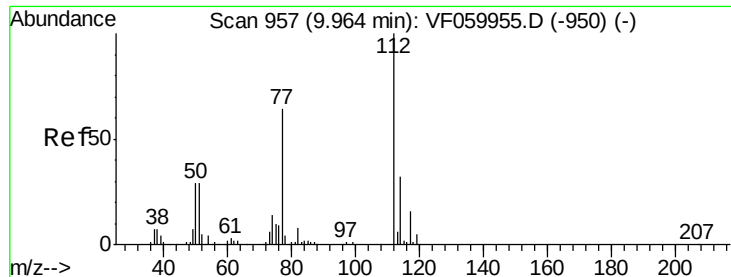
Tot Ion:117 Resp: 181713
Ion Ratio Lower Upper
117 100
82 63.1 48.3 72.5
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 19.77 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:164 Resp: 27969
Ion Ratio Lower Upper
164 100
166 122.0 103.4 155.2
129 97.0 82.2 123.4
131 88.8 76.7 115.1

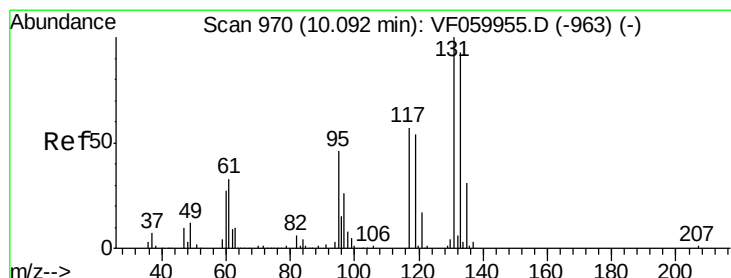
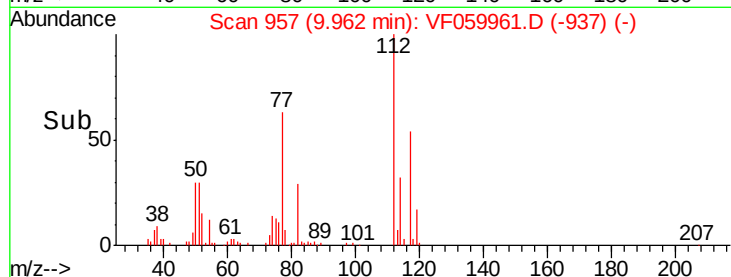
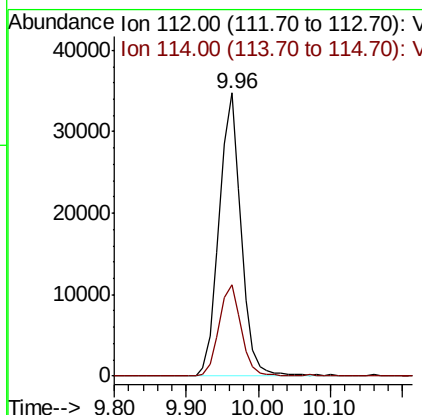
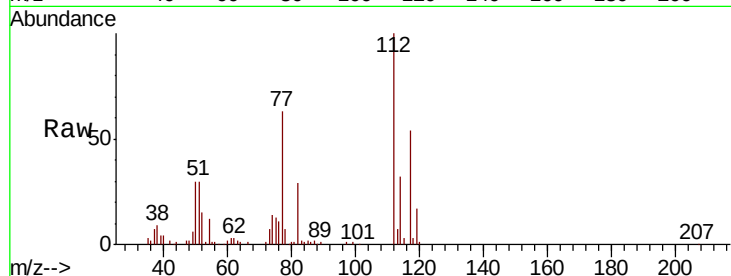




#65
Chlorobenzene
Concen: 20.82 ug/l
RT: 9.96 min Scan# 957
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

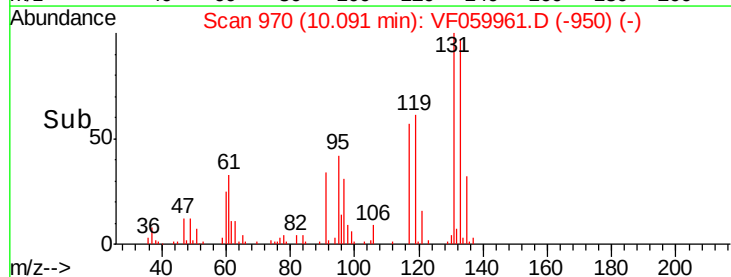
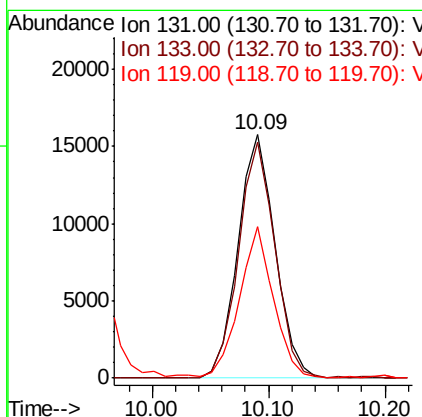
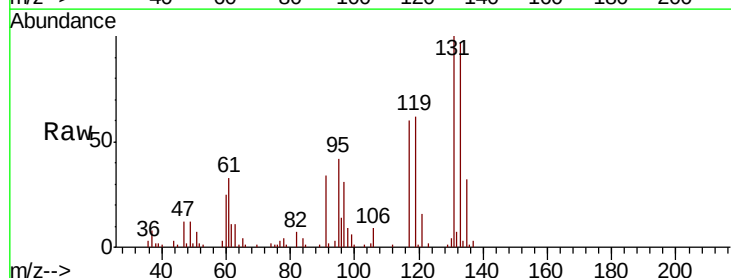
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

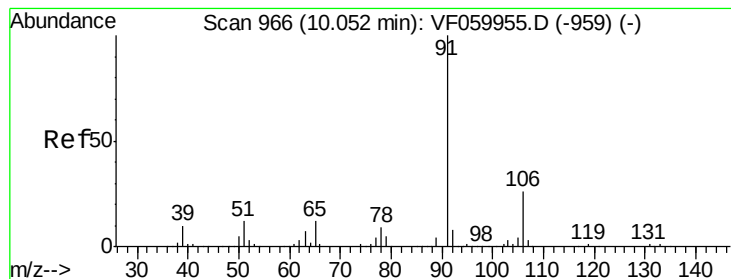
Tot Ion:112 Resp: 73079
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.44 ug/l
RT: 10.09 min Scan# 970
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:131 Resp: 34682
Ion Ratio Lower Upper
131 100
133 97.0 46.4 139.1
119 62.2 27.2 81.5





#67

Ethyl Benzene

Concen: 20.39 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

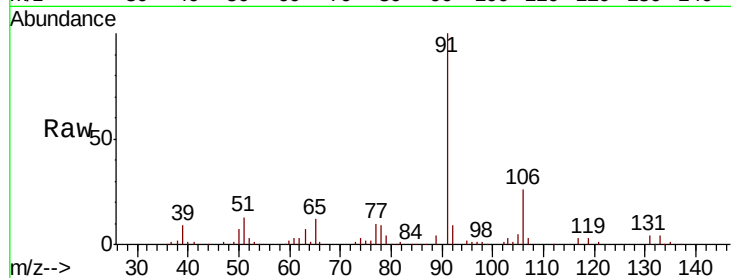
VF0814SBS01

Tot Ion: 91 Resp: 126411

Ion Ratio Lower Upper

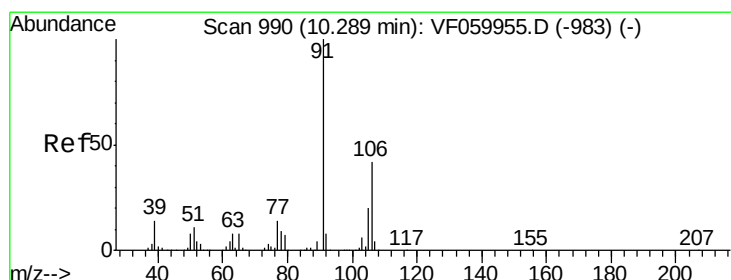
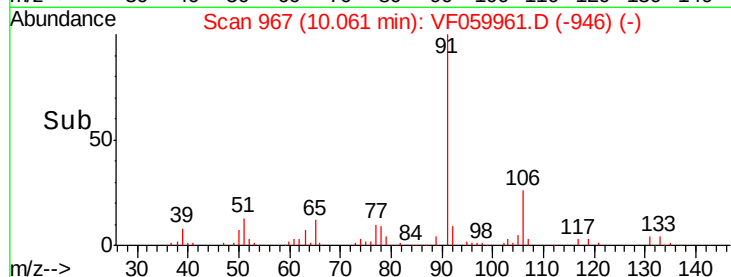
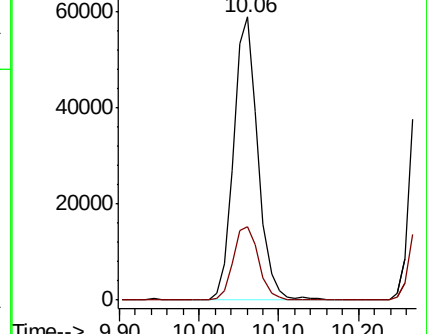
91 100

106 26.1 20.7 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.88 ug/l

RT: 10.29 min Scan# 990

Delta R.T. -0.00 min

Lab File: VF059961.D

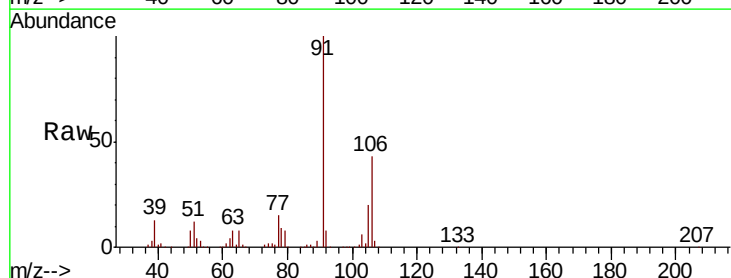
Acq: 14 Aug 2018 23:47

Tgt Ion:106 Resp: 93581

Ion Ratio Lower Upper

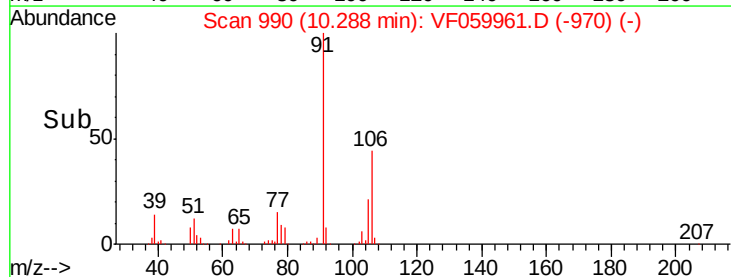
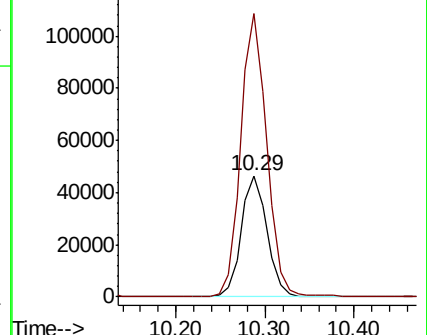
106 100

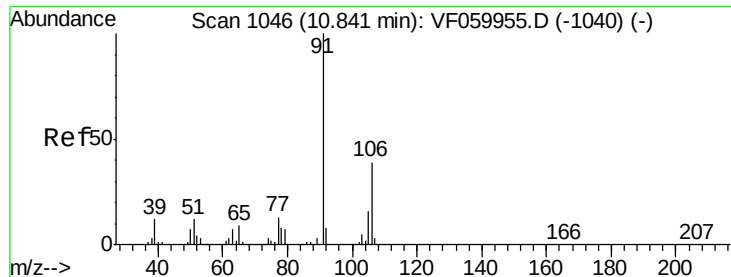
91 233.7 191.8 287.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

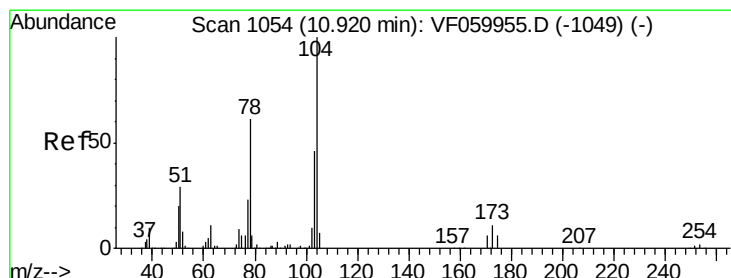
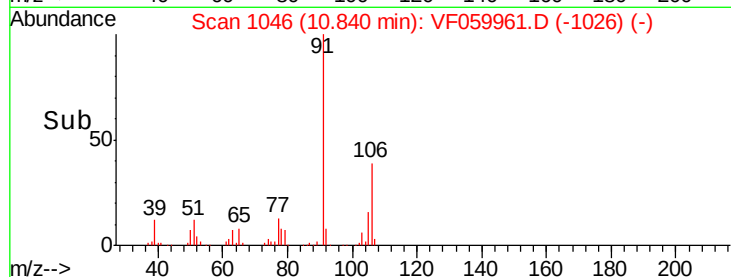
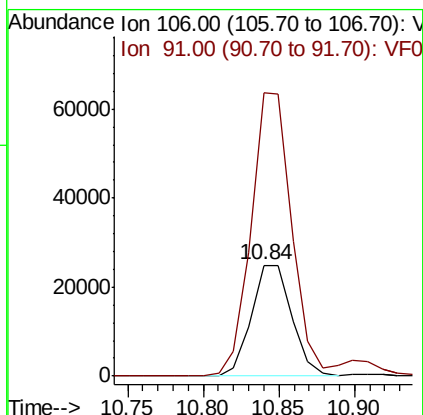
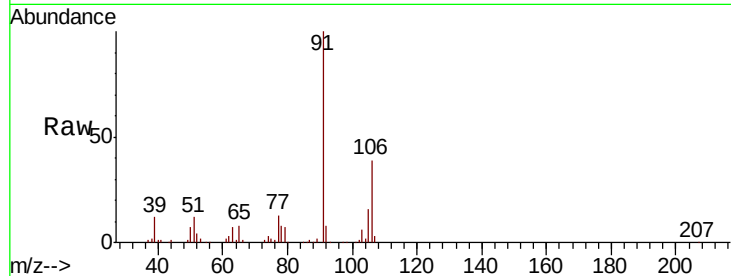




#69
o-Xylene
Concen: 20.77 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

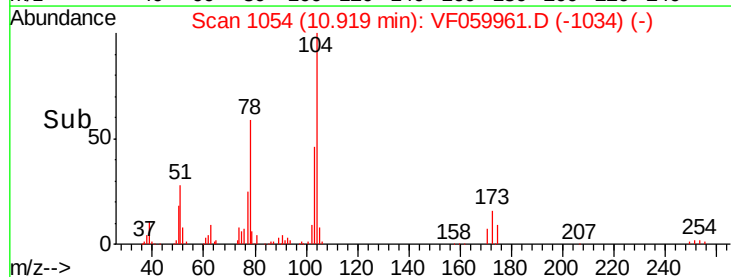
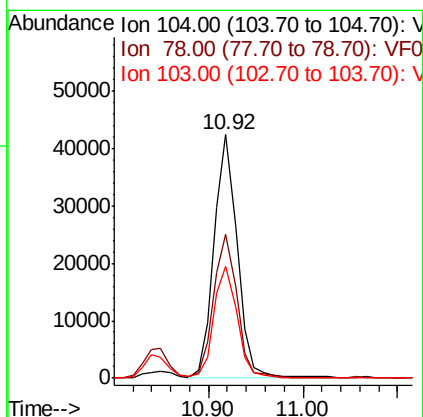
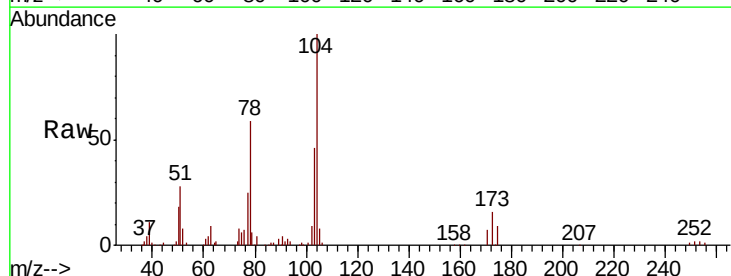
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

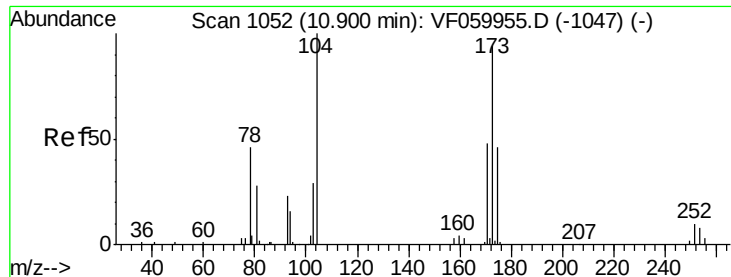
Tot Ion:106 Resp: 47035
Ion Ratio Lower Upper
106 100
91 255.7 126.8 380.6



#70
Styrene
Concen: 21.60 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:104 Resp: 72366
Ion Ratio Lower Upper
104 100
78 59.0 49.2 73.8
103 45.8 37.4 56.0





#71

Bromoform

Concen: 20.42 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

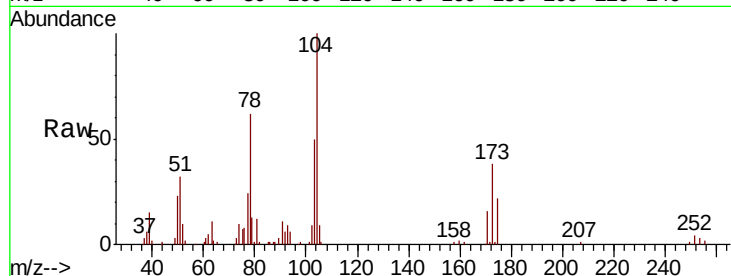
Tot Ion:173 Resp: 21538

Ion Ratio Lower Upper

173 100

175 57.0 24.6 73.6

254 0.0 0.0 0.0

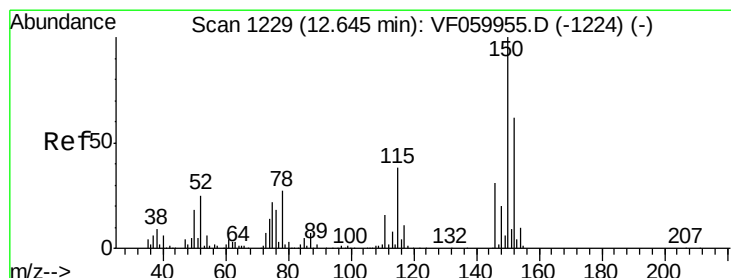
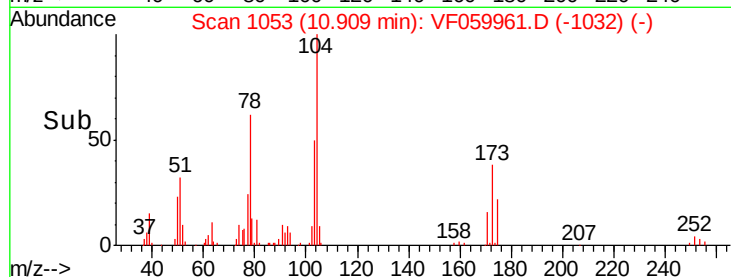
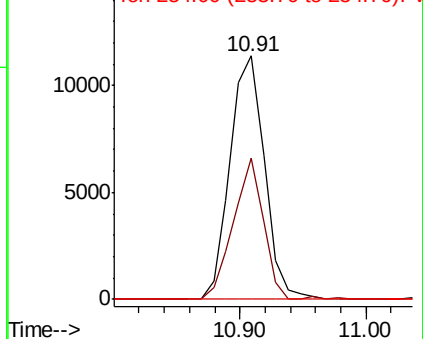


Abundance

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: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

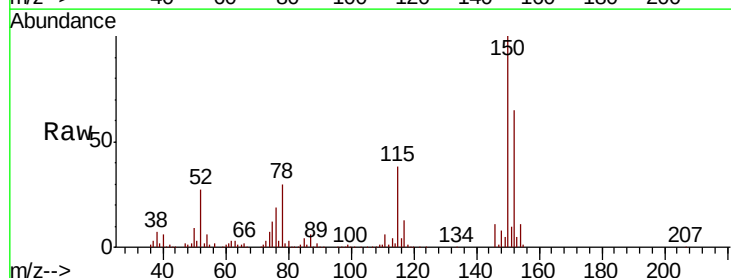
Tgt Ion:152 Resp: 112656

Ion Ratio Lower Upper

152 100

115 58.5 31.4 94.0

150 153.2 0.0 326.2

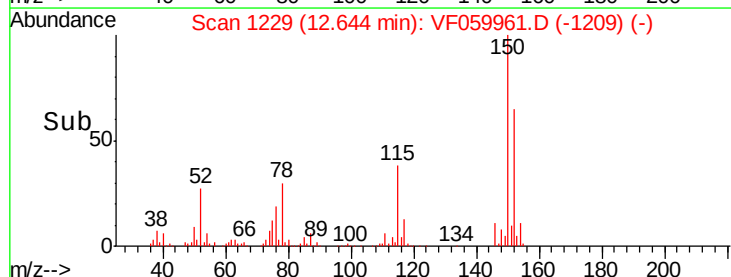
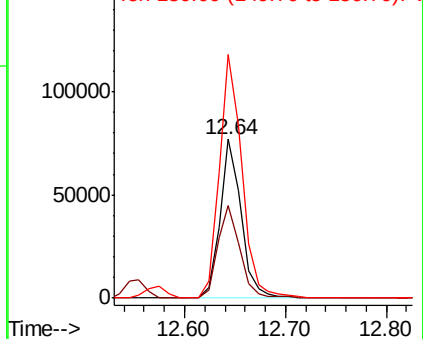


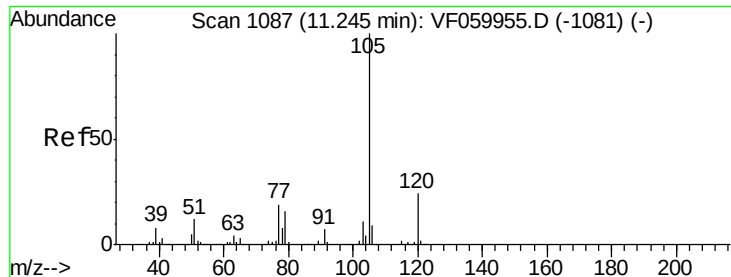
Abundance

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: 21.76 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

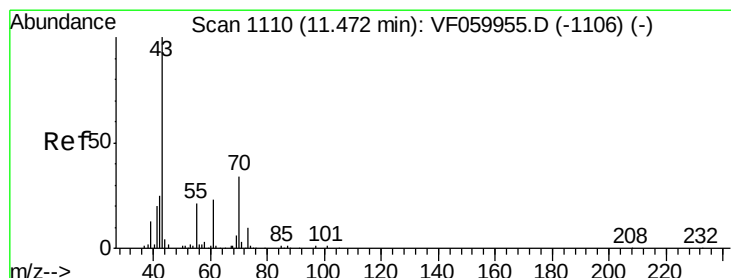
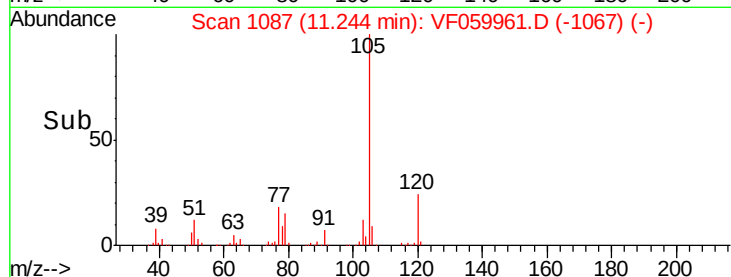
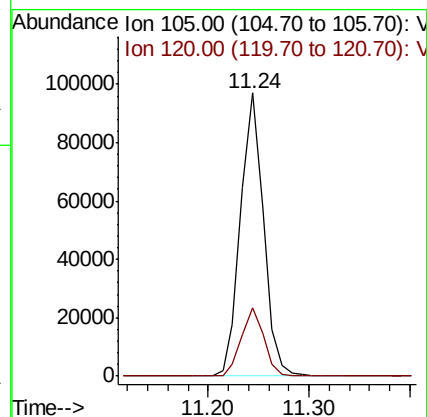
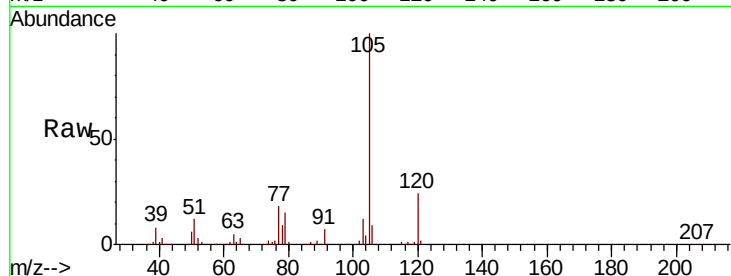
VF0814SBS01

Tot Ion:105 Resp: 154216

Ion Ratio Lower Upper

105 100

120 24.0 11.9 35.9



#74

N-ethyl acetate

Concen: 20.38 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Tgt Ion: 43 Resp: 31832

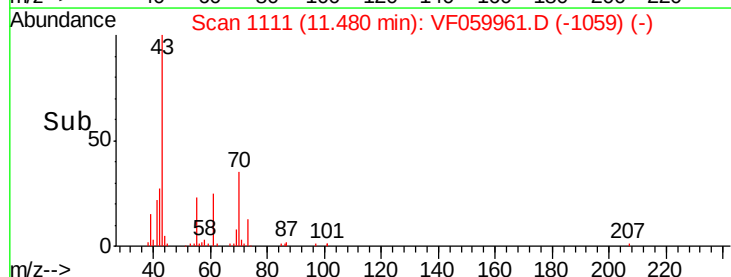
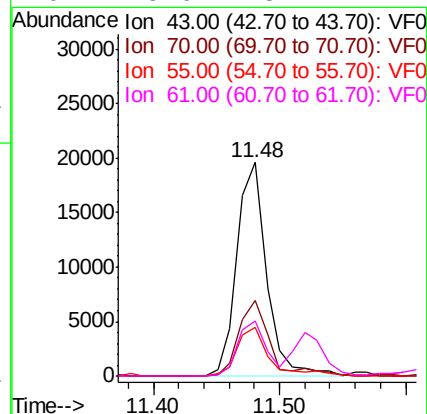
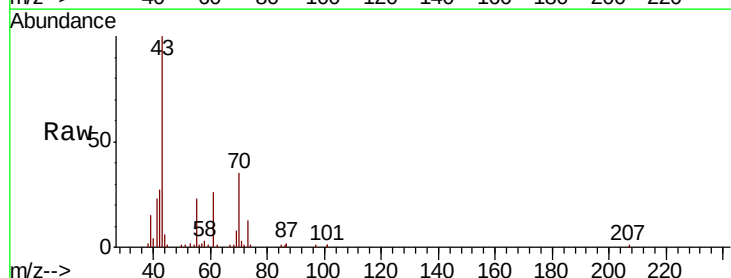
Ion Ratio Lower Upper

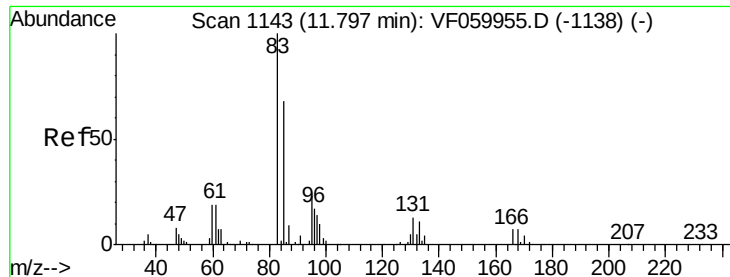
43 100

70 35.2 26.9 40.3

55 22.9 16.9 25.3

61 25.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.55 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

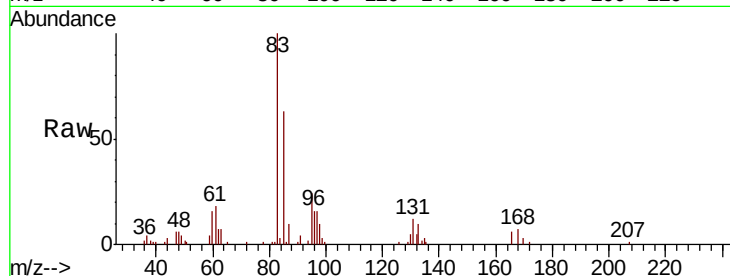
Tot Ion: 83 Resp: 26863

Ion Ratio Lower Upper

83 100

131 12.5 6.3 19.1

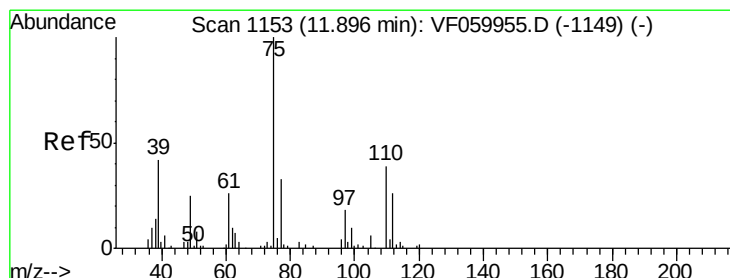
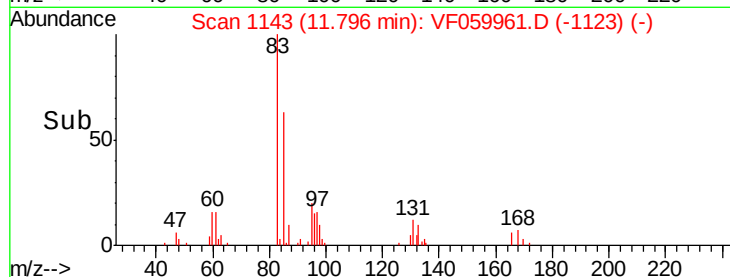
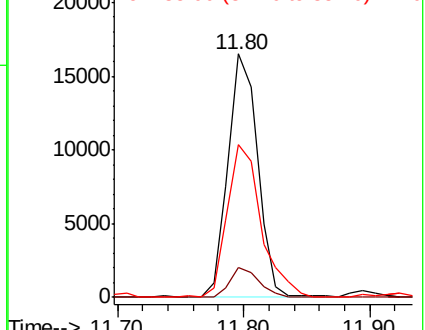
85 62.8 33.9 101.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.87 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF059961.D

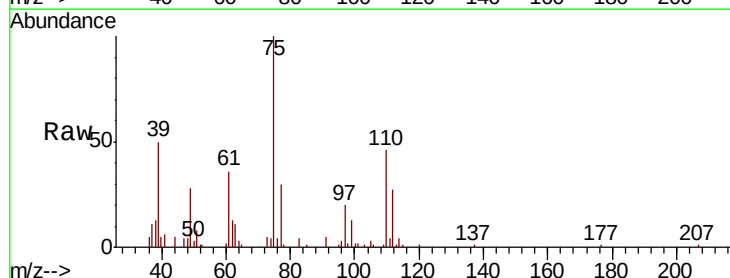
Acq: 14 Aug 2018 23:47

Tgt Ion: 75 Resp: 22458

Ion Ratio Lower Upper

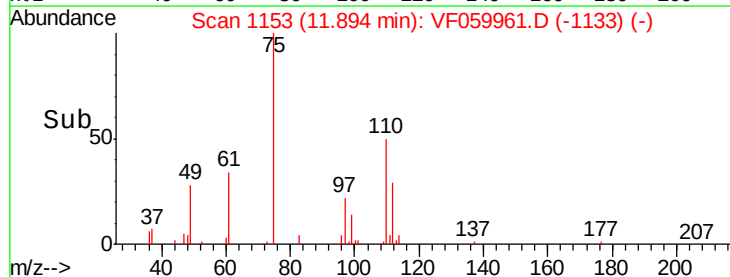
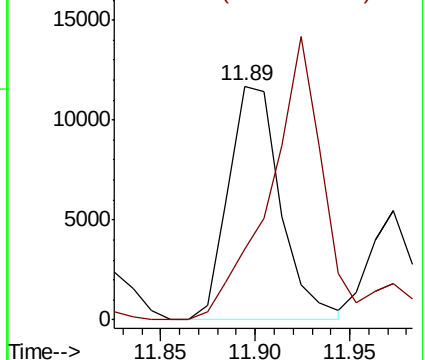
75 100

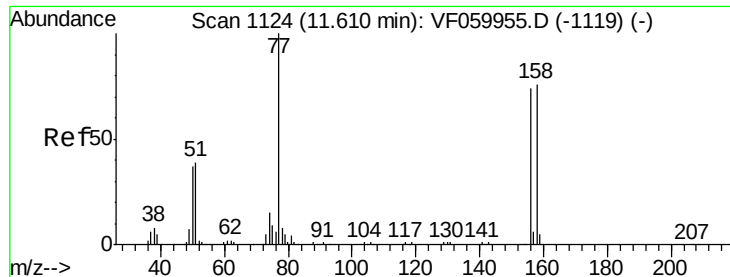
77 30.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.76 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

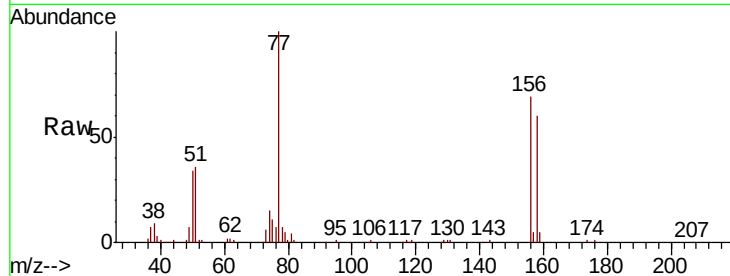
Tot Ion:156 Resp: 40457

Ion Ratio Lower Upper

156 100

77 145.1 67.8 203.2

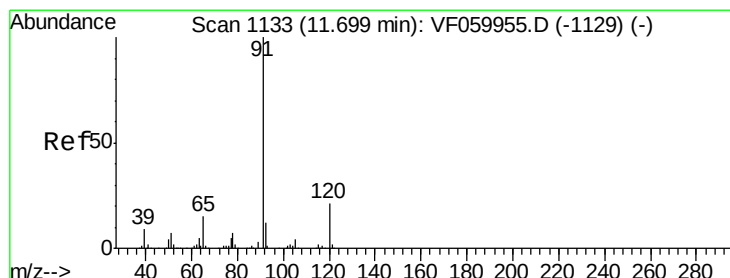
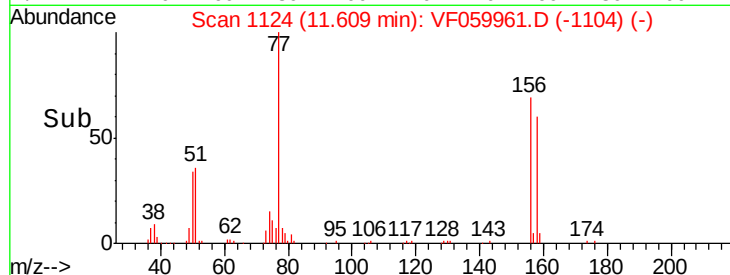
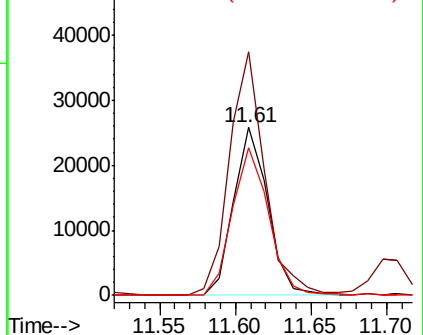
158 87.7 51.7 155.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.61 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059961.D

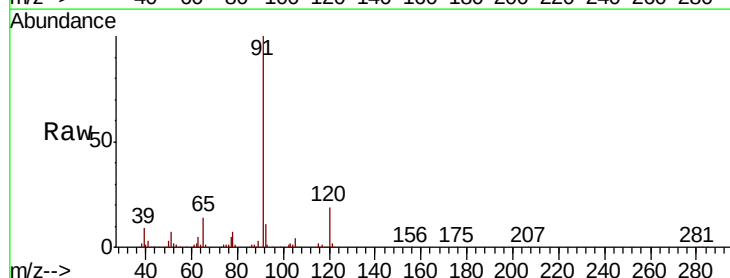
Acq: 14 Aug 2018 23:47

Tgt Ion: 91 Resp: 171314

Ion Ratio Lower Upper

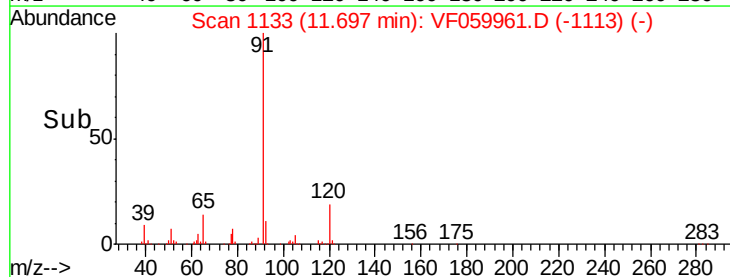
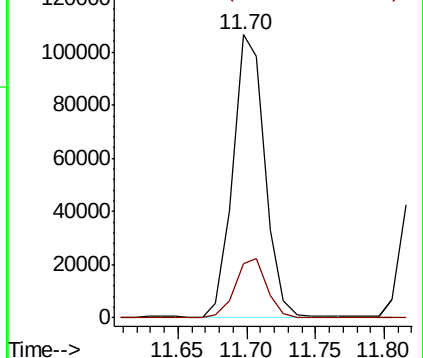
91 100

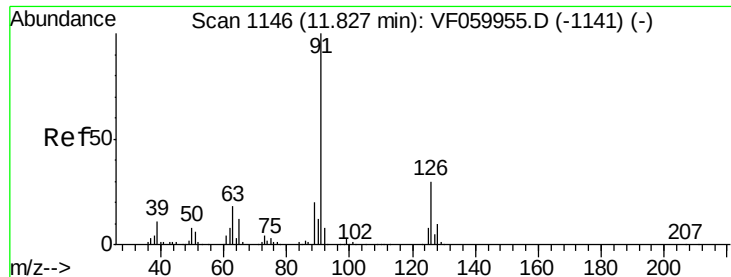
120 19.2 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.62 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

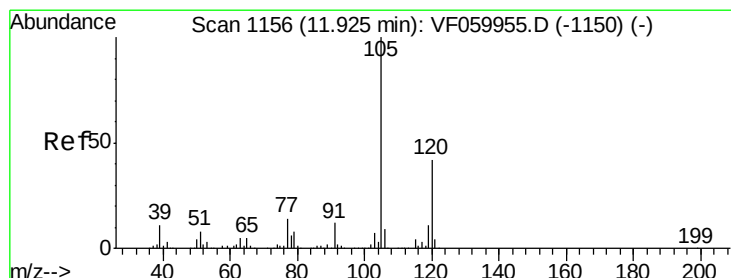
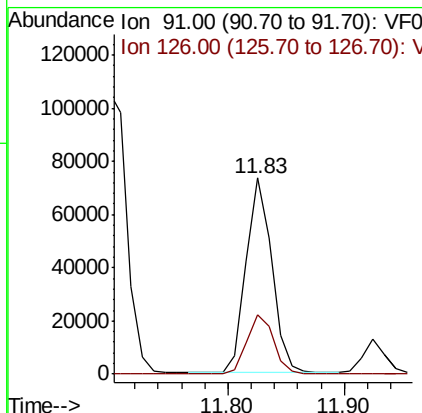
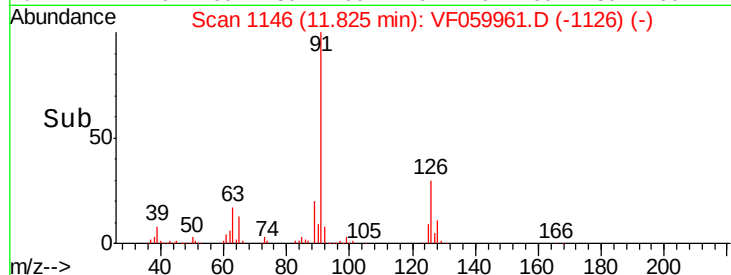
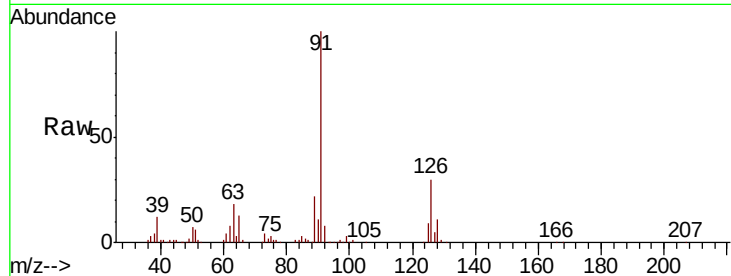
VF0814SBS01

Tot Ion: 91 Resp: 112640

Ion Ratio Lower Upper

91 100

126 30.2 15.2 45.5



#80

1,3,5-Trimethylbenzene

Concen: 20.82 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059961.D

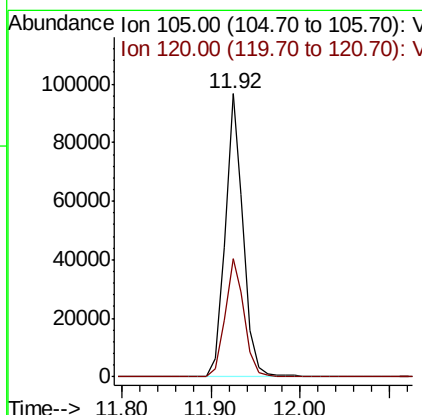
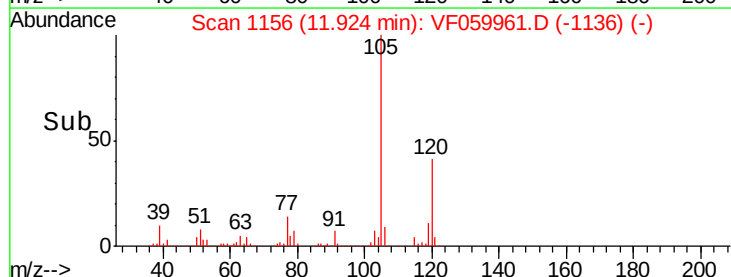
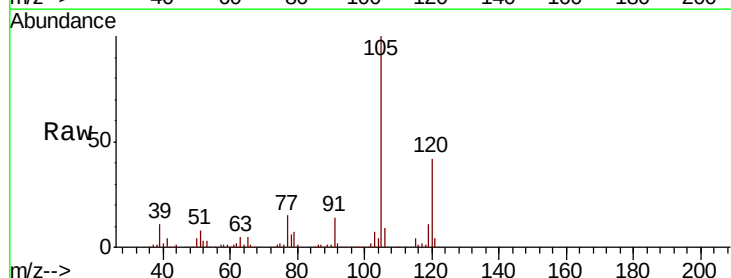
Acq: 14 Aug 2018 23:47

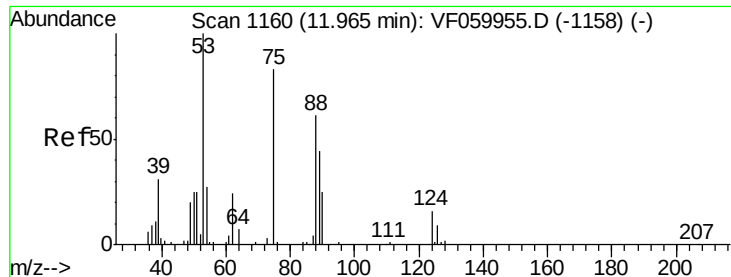
Tgt Ion: 105 Resp: 137362

Ion Ratio Lower Upper

105 100

120 42.0 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 31.92 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059961.D

Acq: 14 Aug 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

VF0814SBS01

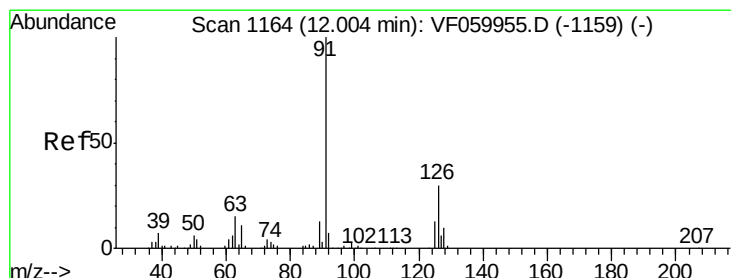
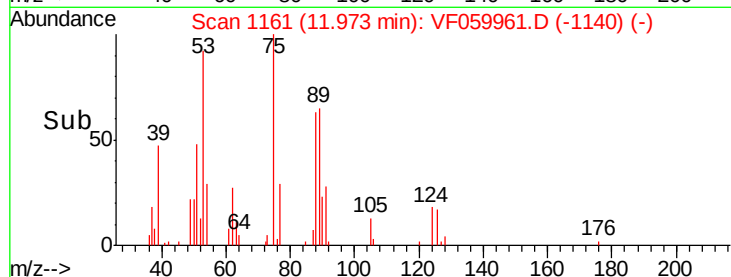
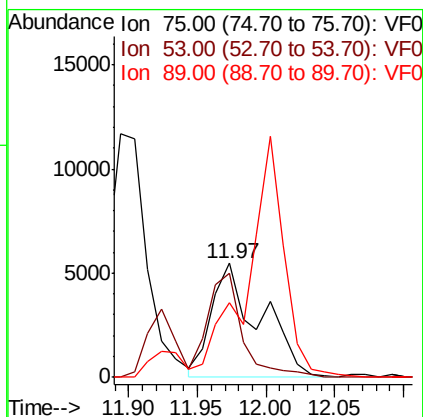
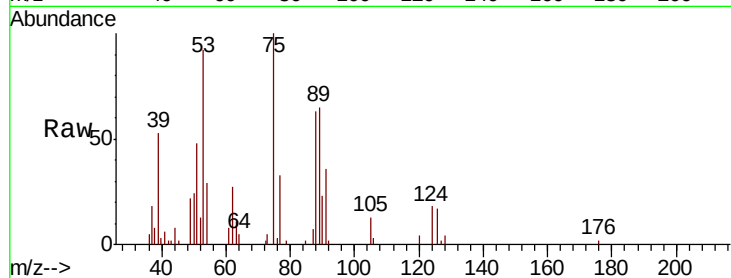
Tot Ion: 75 Resp: 13396

Ion Ratio Lower Upper

75 100

53 92.0 97.1 145.7#

89 65.2 43.6 65.4



#82

4-Chlorotoluene

Concen: 21.64 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VF059961.D

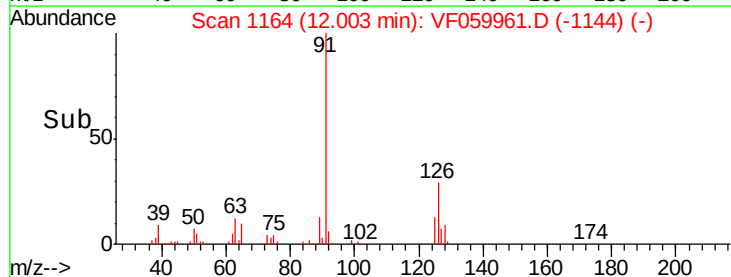
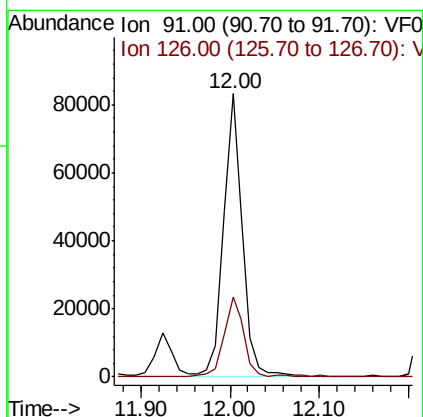
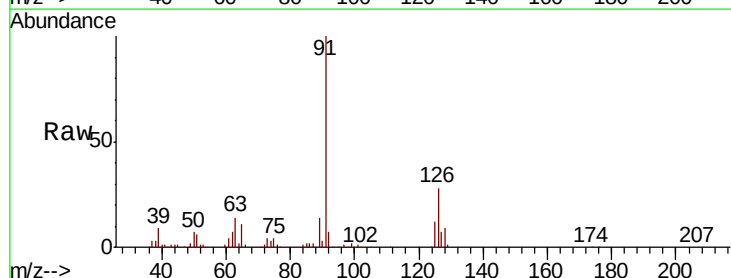
Acq: 14 Aug 2018 23:47

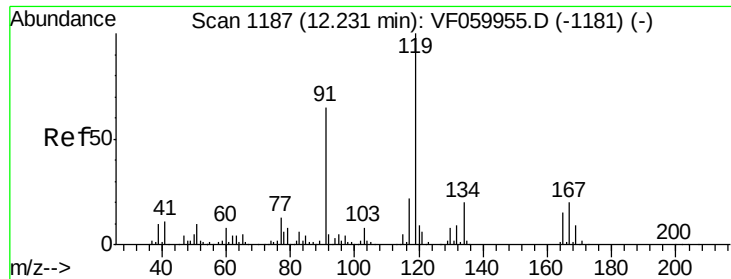
Tgt Ion: 91 Resp: 124375

Ion Ratio Lower Upper

91 100

126 28.3 15.3 45.8

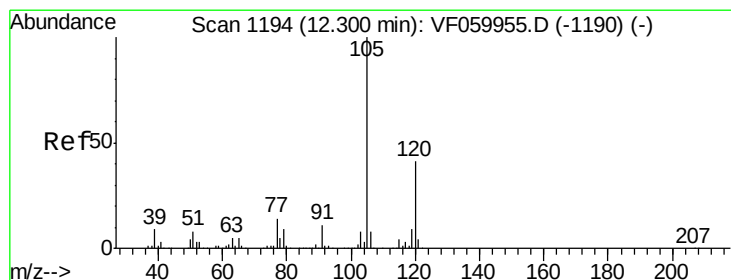
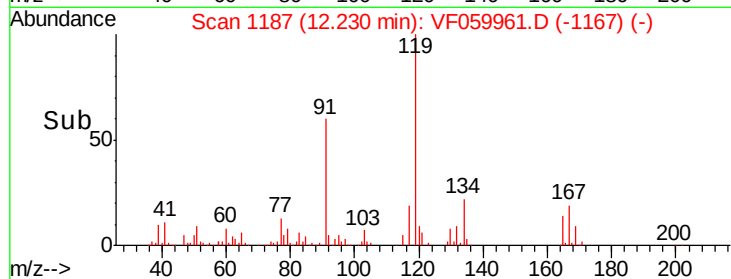
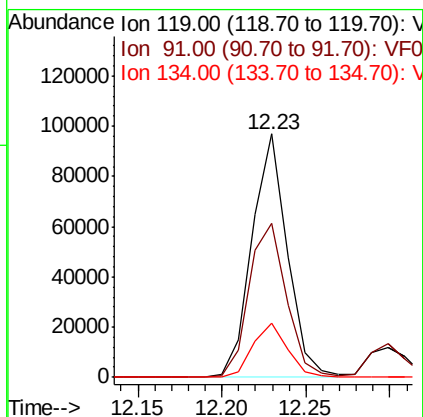
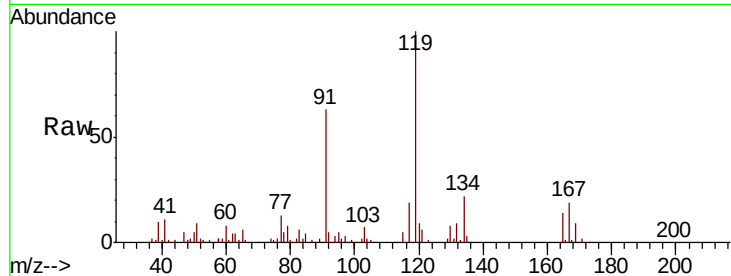




#83
 tert-Butylbenzene
 Concen: 21.74 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

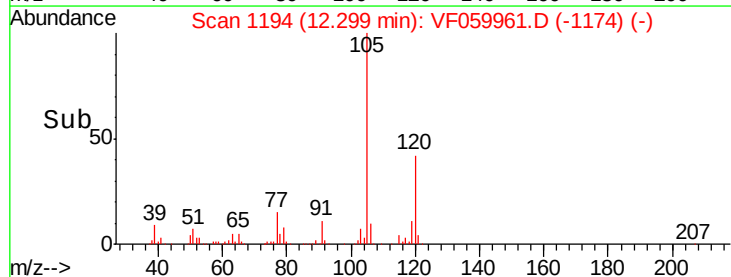
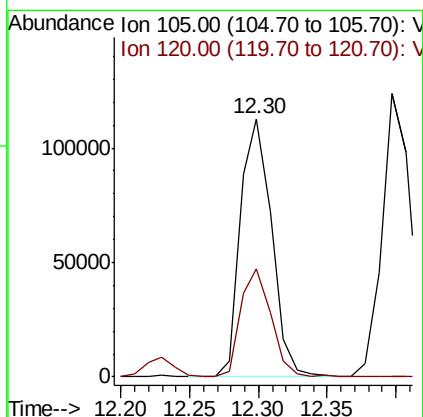
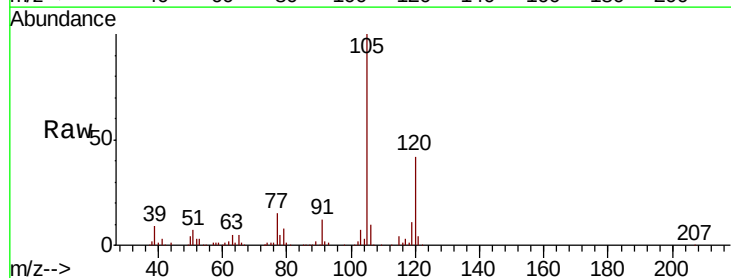
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

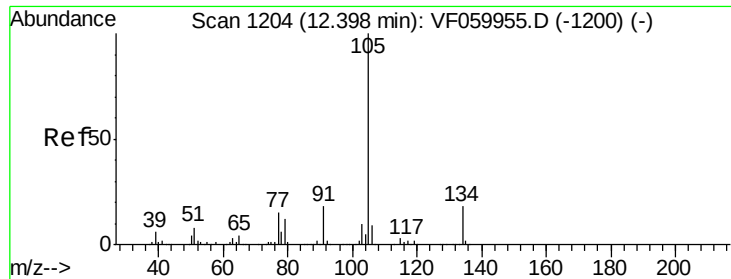
Tot Ion:119 Resp: 141293
 Ion Ratio Lower Upper
 119 100
 91 63.4 32.6 98.0
 134 22.1 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 26.79 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion:105 Resp: 178170
 Ion Ratio Lower Upper
 105 100
 120 41.8 20.6 61.9

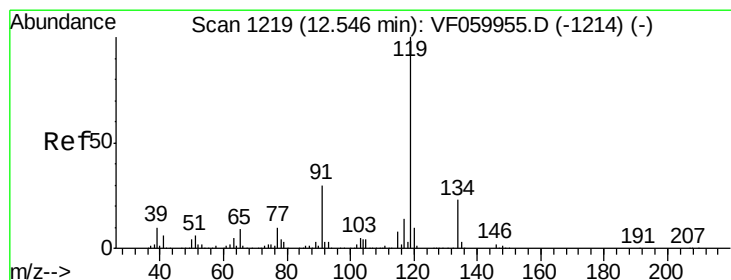
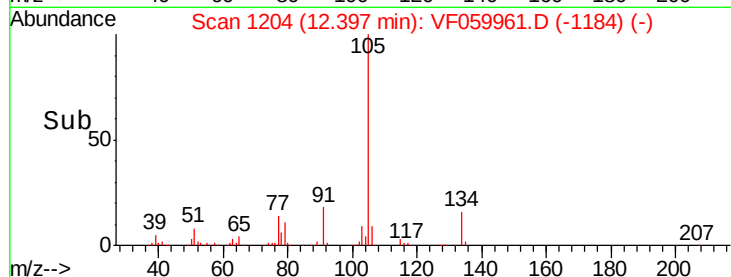
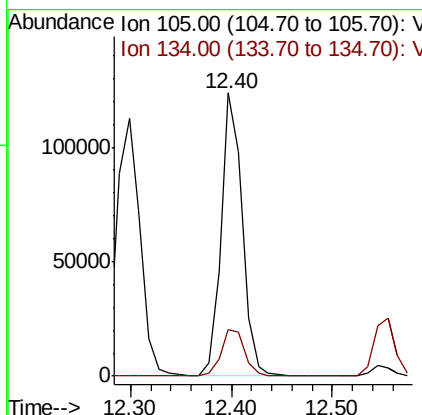
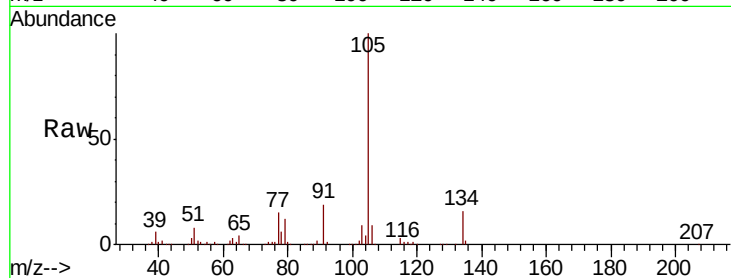




#85
 sec-Butylbenzene
 Concen: 21.84 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

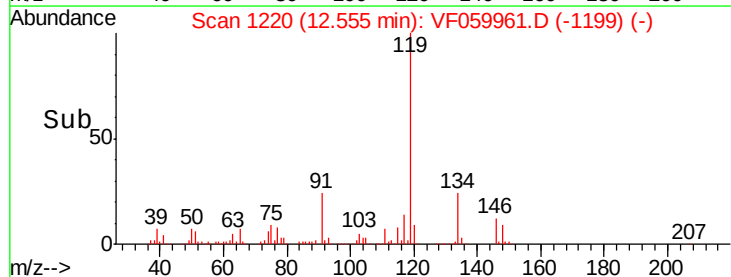
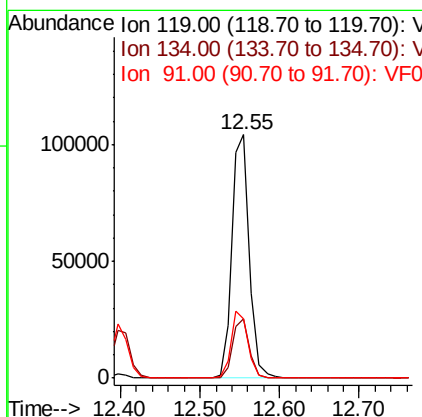
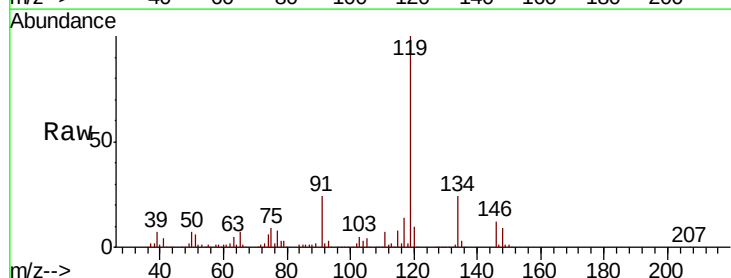
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

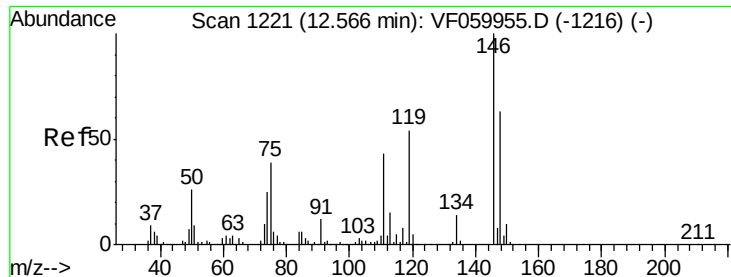
Tot Ion:105 Resp: 180888
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 22.01 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion:119 Resp: 160600
 Ion Ratio Lower Upper
 119 100
 134 24.4 11.4 34.2
 91 24.2 14.8 44.4

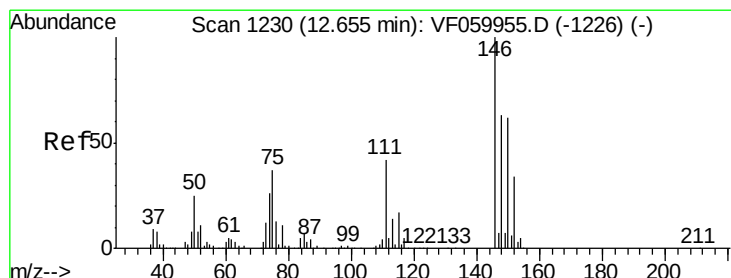
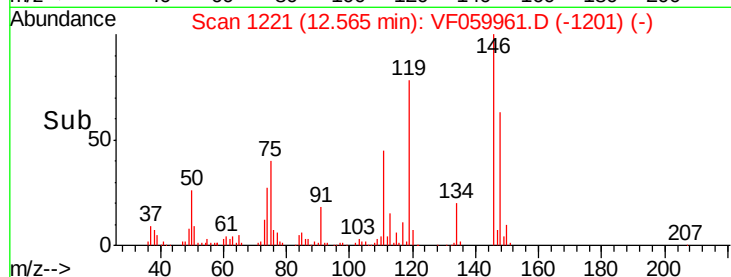
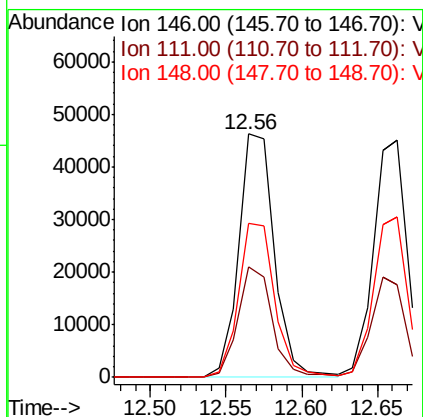
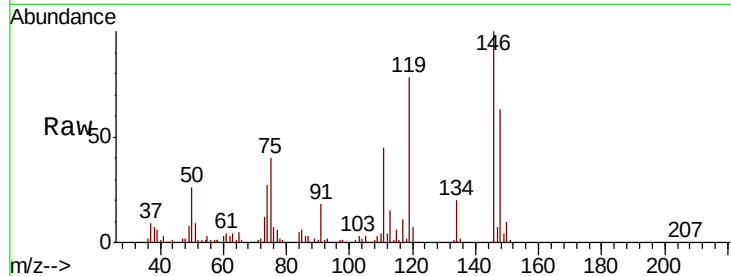




#87
 1,3-Dichlorobenzene
 Concen: 21.48 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

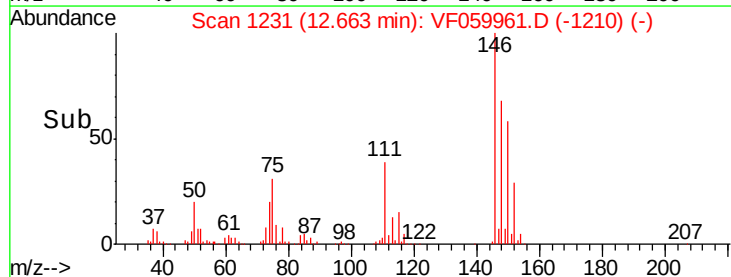
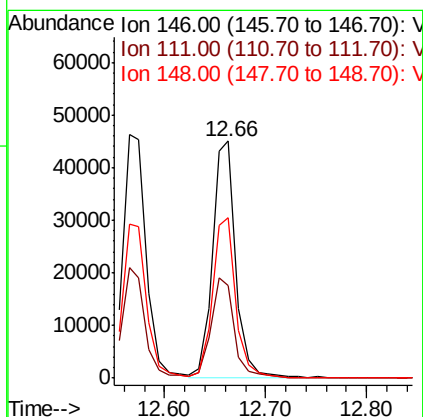
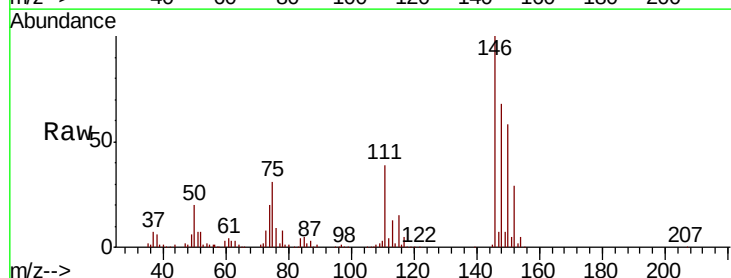
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

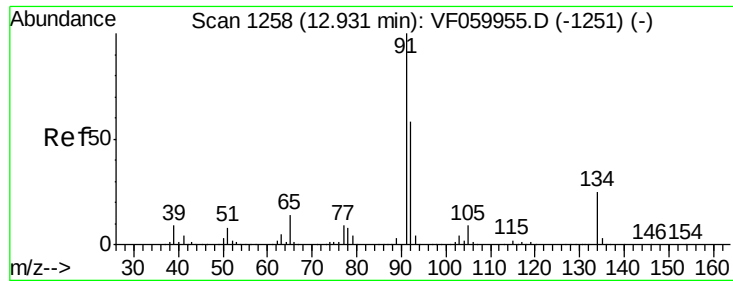
Tot Ion:146 Resp: 75742
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.3 63.9
 148 63.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.97 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion:146 Resp: 72804
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.1 63.1
 148 67.5 31.7 95.1

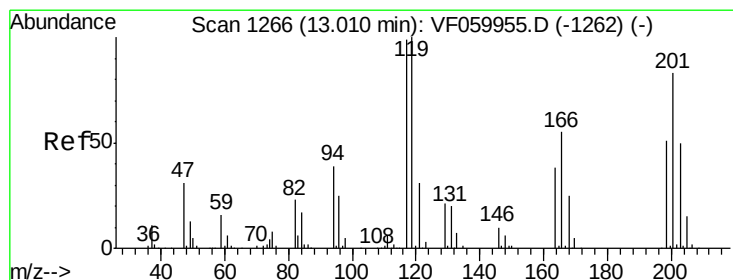
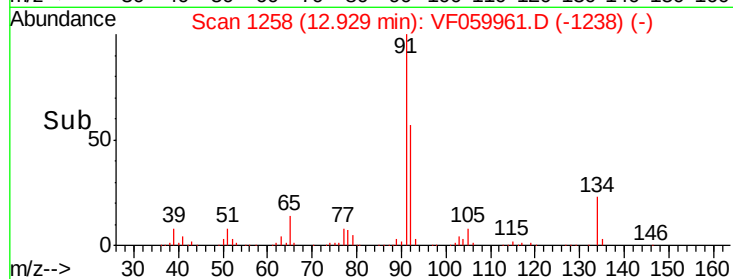
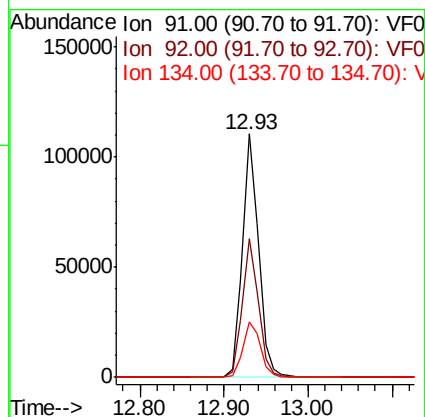
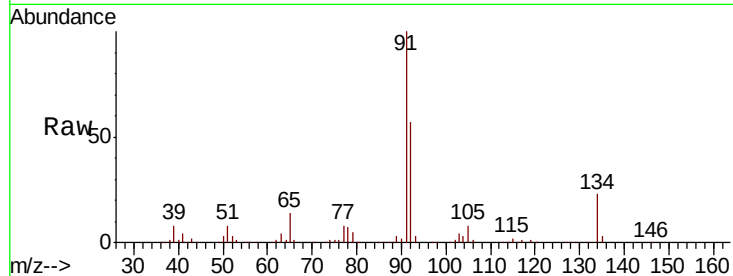




#89
n-Butylbenzene
Concen: 20.98 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

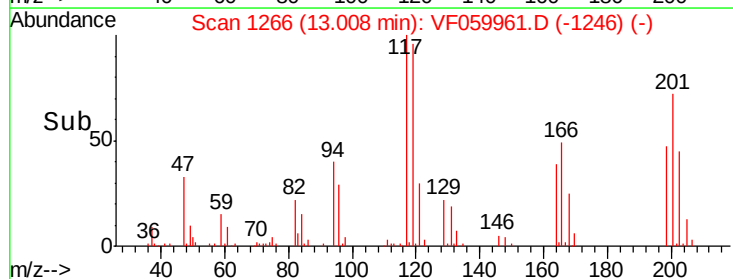
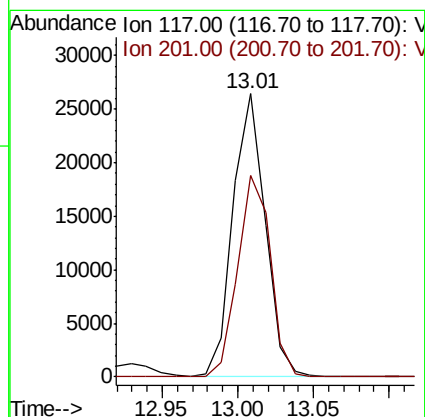
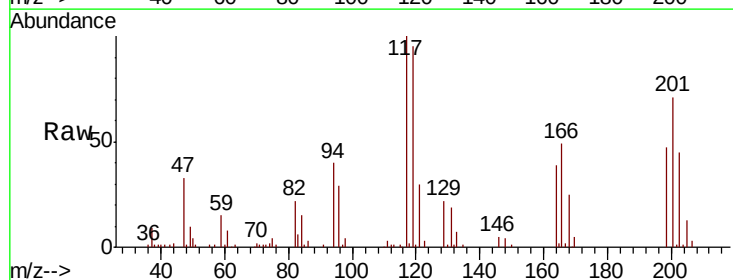
Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

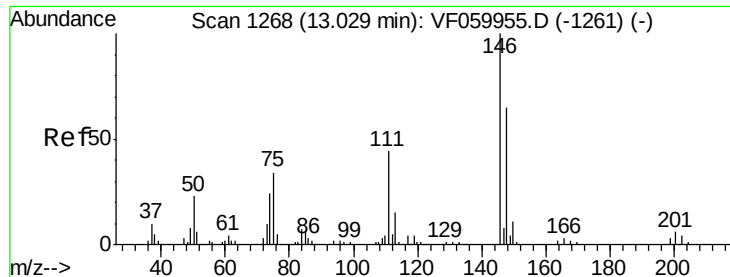
Tot Ion: 91 Resp: 147389
Ion Ratio Lower Upper
91 100
92 56.9 29.2 87.6
134 22.7 12.8 38.3



#90
Hexachloroethane
Concen: 21.72 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion: 117 Resp: 39225
Ion Ratio Lower Upper
117 100
201 72.7 41.8 125.3

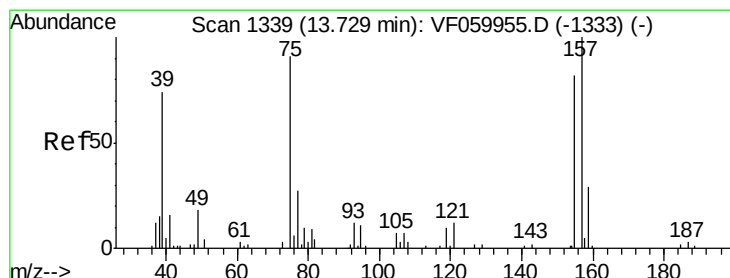
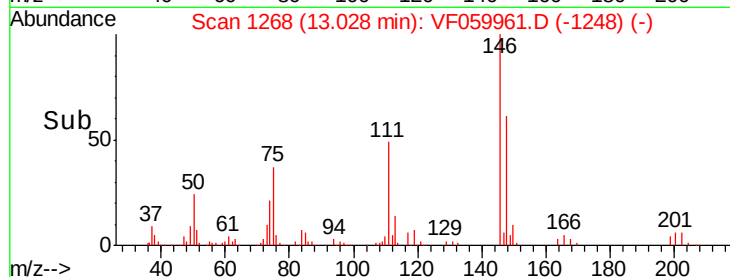
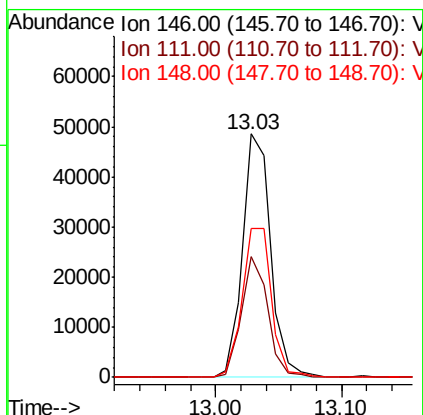
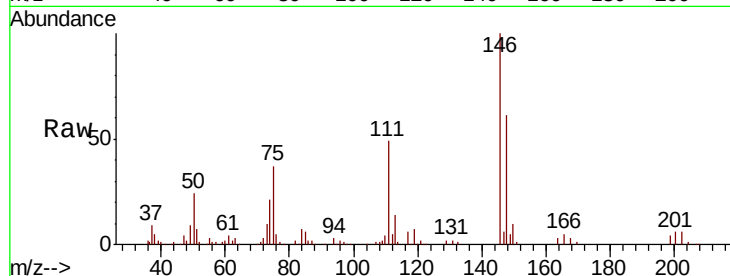




#91
 1,2-Dichlorobenzene
 Concen: 21.92 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

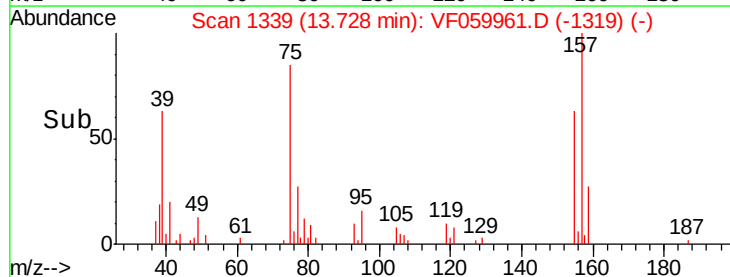
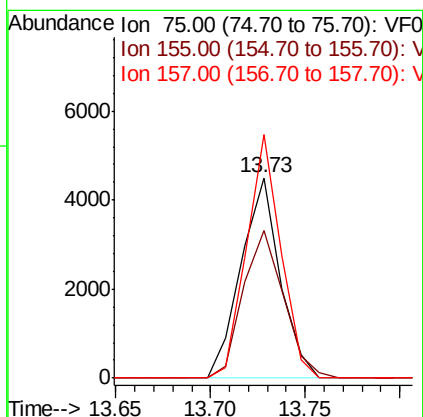
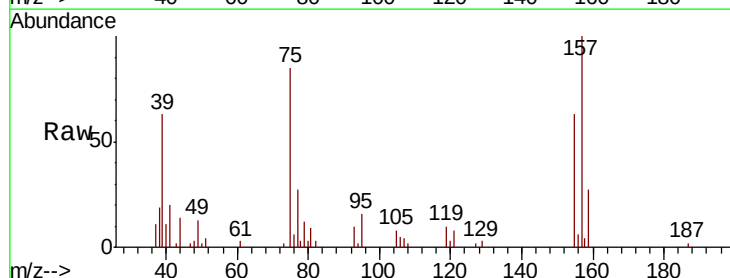
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

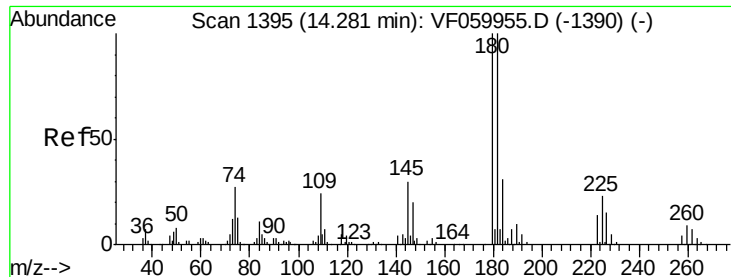
Tot Ion:146 Resp: 74984
 Ion Ratio Lower Upper
 146 100
 111 49.4 22.0 66.0
 148 61.3 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.93 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion: 75 Resp: 6431
 Ion Ratio Lower Upper
 75 100
 155 73.9 44.6 134.0
 157 121.7 54.8 164.3

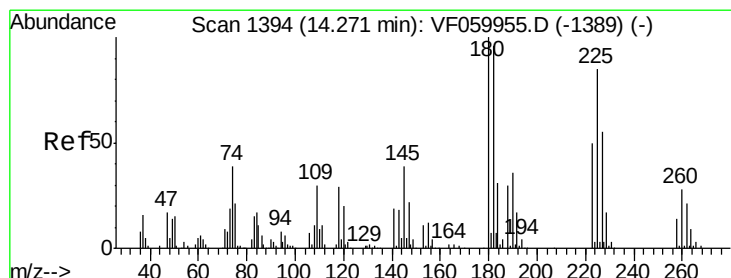
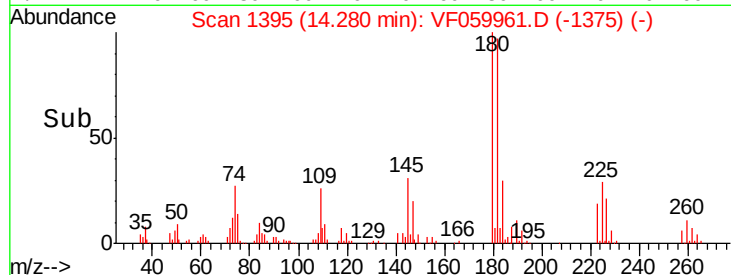
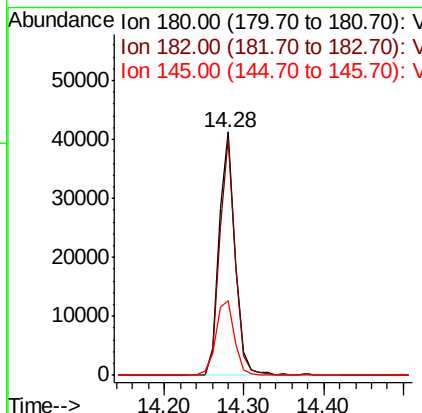
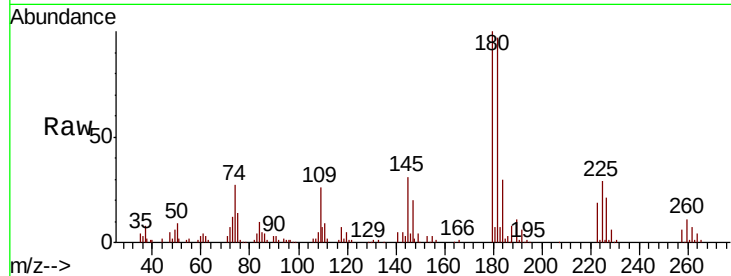




#93
 1,2,4-Trichlorobenzene
 Concen: 21.50 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

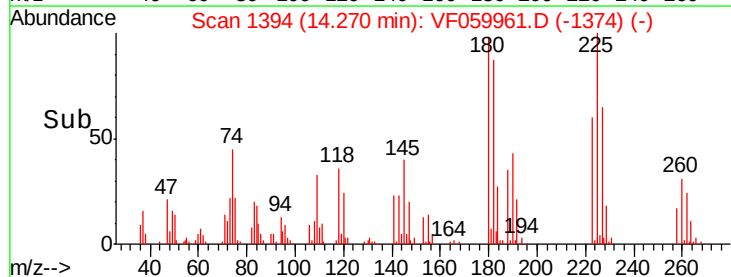
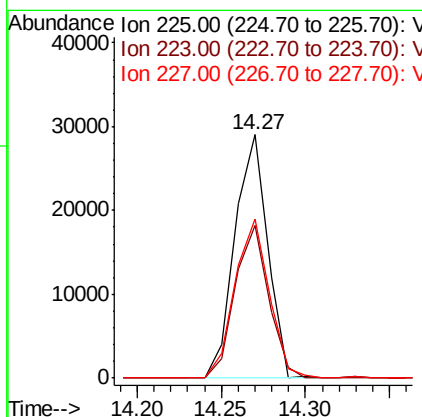
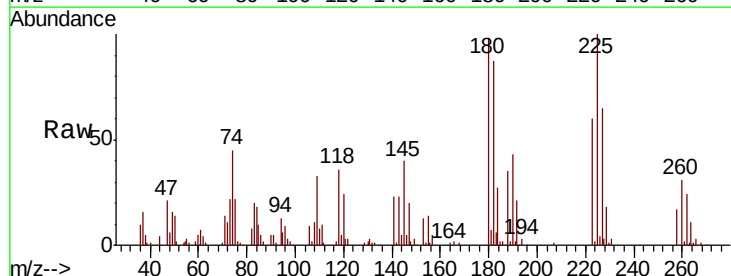
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0814SBS01

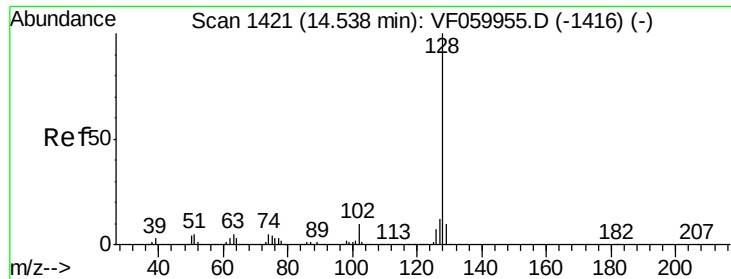
Tot Ion:180 Resp: 58937
 Ion Ratio Lower Upper
 180 100
 182 97.3 50.2 150.7
 145 30.8 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 19.93 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059961.D
 Acq: 14 Aug 2018 23:47

Tgt Ion:225 Resp: 39066
 Ion Ratio Lower Upper
 225 100
 223 62.8 29.6 88.8
 227 65.5 32.5 97.5

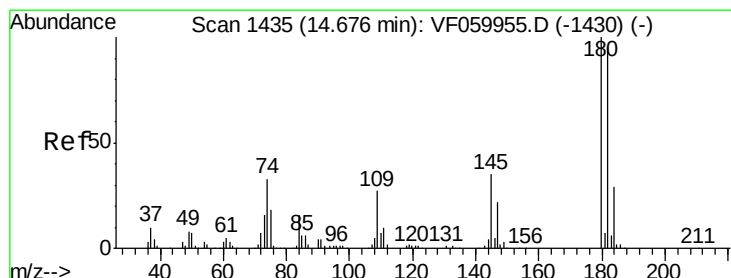
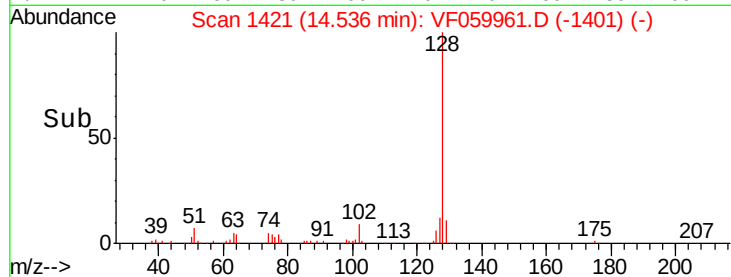
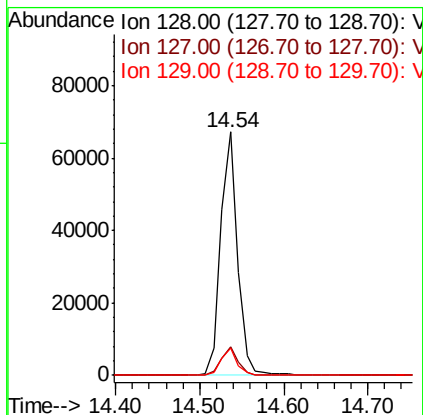
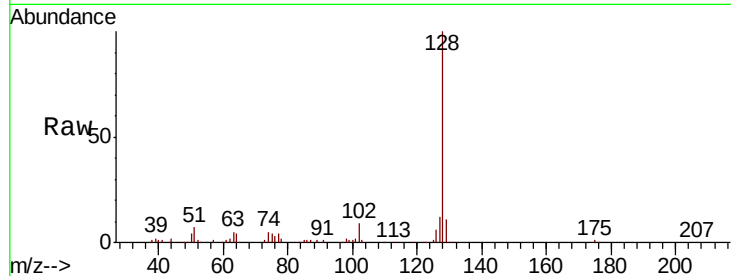




#95
Naphthalene
Concen: 21.00 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. -0.00 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
VF0814SBS01

Tot Ion:128 Resp: 94018
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 11.4 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.96 ug/l
RT: 14.68 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VF059961.D
Acq: 14 Aug 2018 23:47

Tgt Ion:180 Resp: 52218
Ion Ratio Lower Upper
180 100
182 92.8 47.5 142.6
145 27.4 17.6 52.8

