

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060146.D
 Acq On : 28 Aug 2018 13:33
 Operator : VA/AP
 Sample : VF0828SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Quant Time: Aug 28 14:54:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	150902	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	216934	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	240195	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	150657	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	120867	58.52	ug/l	-0.02
Spiked Amount			Recovery	=	117.04%	
35) Dibromofluoromethane	4.28	113	106879	62.74	ug/l	-0.02
Spiked Amount			Recovery	=	125.48%	
50) Toluene-d8	7.70	98	256314	52.98	ug/l	-0.02
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.50	95	152629	59.64	ug/l	-0.01
Spiked Amount			Recovery	=	119.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	52185	26.267	ug/l	94
3) Chloromethane	1.07	50	34299	24.728	ug/l	92
4) Vinyl Chloride	1.13	62	27220	22.067	ug/l	98
5) Bromomethane	1.31	94	19759	21.080	ug/l	89
6) Chloroethane	1.39	64	12468	25.642	ug/l	98
7) Trichlorofluoromethane	1.48	101	77904	31.407	ug/l	96
8) Diethyl Ether	1.70	74	8613	19.422	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.85	101	33336	25.603	ug/l	97
10) Methyl Iodide	1.92	142	27448	15.945	ug/l	86
11) Tert butyl alcohol	2.67	59	12458	113.387	ug/l #	80
12) 1,1-Dichloroethene	1.83	96	22614	23.574	ug/l #	77
13) Acrolein	2.09	56	2732	62.739	ug/l	92
14) Allyl chloride	2.18	41	36774	21.585	ug/l	94
15) Acrylonitrile	3.07	53	24041	110.879	ug/l	89
16) Acetone	2.34	43	67541	124.432	ug/l	95
17) Carbon Disulfide	1.83	76	68629	22.850	ug/l	98
18) Methyl Acetate	2.45	43	19983	19.004	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	76450	24.875	ug/l	97
20) Methylene Chloride	2.28	84	30834	26.428	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	22242	20.722	ug/l	93
22) Diisopropyl ether	2.92	45	88118	23.098	ug/l	96
23) Vinyl Acetate	3.32	43	221539	109.619	ug/l	97
24) 1,1-Dichloroethane	2.99	63	70889	30.080	ug/l	97
25) 2-Butanone	4.49	43	74335	105.432	ug/l	98
26) 2,2-Dichloropropane	3.76	77	70844	29.056	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	35731	23.492	ug/l	93
28) Bromochloromethane	3.88	49	19388	19.486	ug/l	82
29) Tetrahydrofuran	4.23	42	25564	96.034	ug/l	99
30) Chloroform	4.02	83	79671	24.084	ug/l	97
31) Cyclohexane	3.86	56	39486	21.989	ug/l #	92
32) 1,1,1-Trichloroethane	4.27	97	81171	28.654	ug/l	96
36) 1,1-Dichloropropene	4.45	75	54032	26.504	ug/l	95
37) Ethyl Acetate	4.27	43	24393	20.007	ug/l #	61
38) Carbon Tetrachloride	4.16	117	68518	29.025	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	44762	23.417	ug/l #	83
40) Benzene	4.80	78	105728	23.742	ug/l	98
41) Methacrylonitrile	4.91	41	11888	19.277	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	60496	25.334	ug/l	99
43) Isopropyl Acetate	7.10	43	30069	19.595	ug/l #	96
44) Trichloroethene	5.67	130	34833	23.661	ug/l	99
45) 1,2-Dichloropropane	6.39	63	30186	23.963	ug/l	93
46) Dibromomethane	6.24	93	24107	24.457	ug/l	89
47) Bromodichloromethane	6.54	83	62763	26.362	ug/l #	97
48) Methyl methacrylate	6.86	41	18931	18.643	ug/l	93
49) 1,4-Dioxane	6.85	88	3903	400.397	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	144642	109.153	ug/l	98
52) Toluene	7.77	92	79306	25.255	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	56656	26.242	ug/l	94
54) cis-1,3-Dichloropropene	7.44	75	54366	22.562	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	25914	21.566	ug/l #	89
56) Ethyl methacrylate	8.75	69	31279	21.506	ug/l	99
57) 1,3-Dichloropropane	8.99	76	48538	22.982	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	16639	144.123	ug/l	100
59) 2-Hexanone	9.62	43	127418	118.803	ug/l	98
60) Dibromochloromethane	8.85	129	43738	24.657	ug/l	96
61) 1,2-Dibromoethane	9.14	107	35556	25.196	ug/l	94
64) Tetrachloroethene	8.30	164	38544	23.821	ug/l	98
65) Chlorobenzene	9.94	112	111667	24.620	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	40956	23.808	ug/l	99
67) Ethyl Benzene	10.04	91	201088	25.695	ug/l	100
68) m/p-Xylenes	10.26	106	145013	52.147	ug/l	97
69) o-Xylene	10.82	106	77150	25.162	ug/l	98
70) Styrene	10.89	104	121111	25.746	ug/l	95
71) Bromoform	10.88	173	27260	22.713	ug/l	98
73) Isopropylbenzene	11.22	105	233035	25.697	ug/l	95
74) N-amyl acetate	11.46	43	57476	20.390	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	40268	20.332	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	31975	20.819	ug/l	98
77) Bromobenzene	11.59	156	61202	24.816	ug/l	94
78) n-propylbenzene	11.68	91	292481	26.131	ug/l	99
79) 2-Chlorotoluene	11.81	91	166247	25.259	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	202213	25.594	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	19327	27.502	ug/l	97
82) 4-Chlorotoluene	11.99	91	177916	24.899	ug/l	98
83) tert-Butylbenzene	12.21	119	201538	26.154	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	222208	26.455	ug/l	96
85) sec-Butylbenzene	12.38	105	270405	25.206	ug/l	97
86) p-Isopropyltoluene	12.54	119	224852	25.264	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	112084	24.579	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	110746	24.437	ug/l	98
89) n-Butylbenzene	12.91	91	223653	25.865	ug/l	97
90) Hexachloroethane	12.99	117	50491	25.246	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	109599	24.991	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9192	22.712	ug/l	82

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

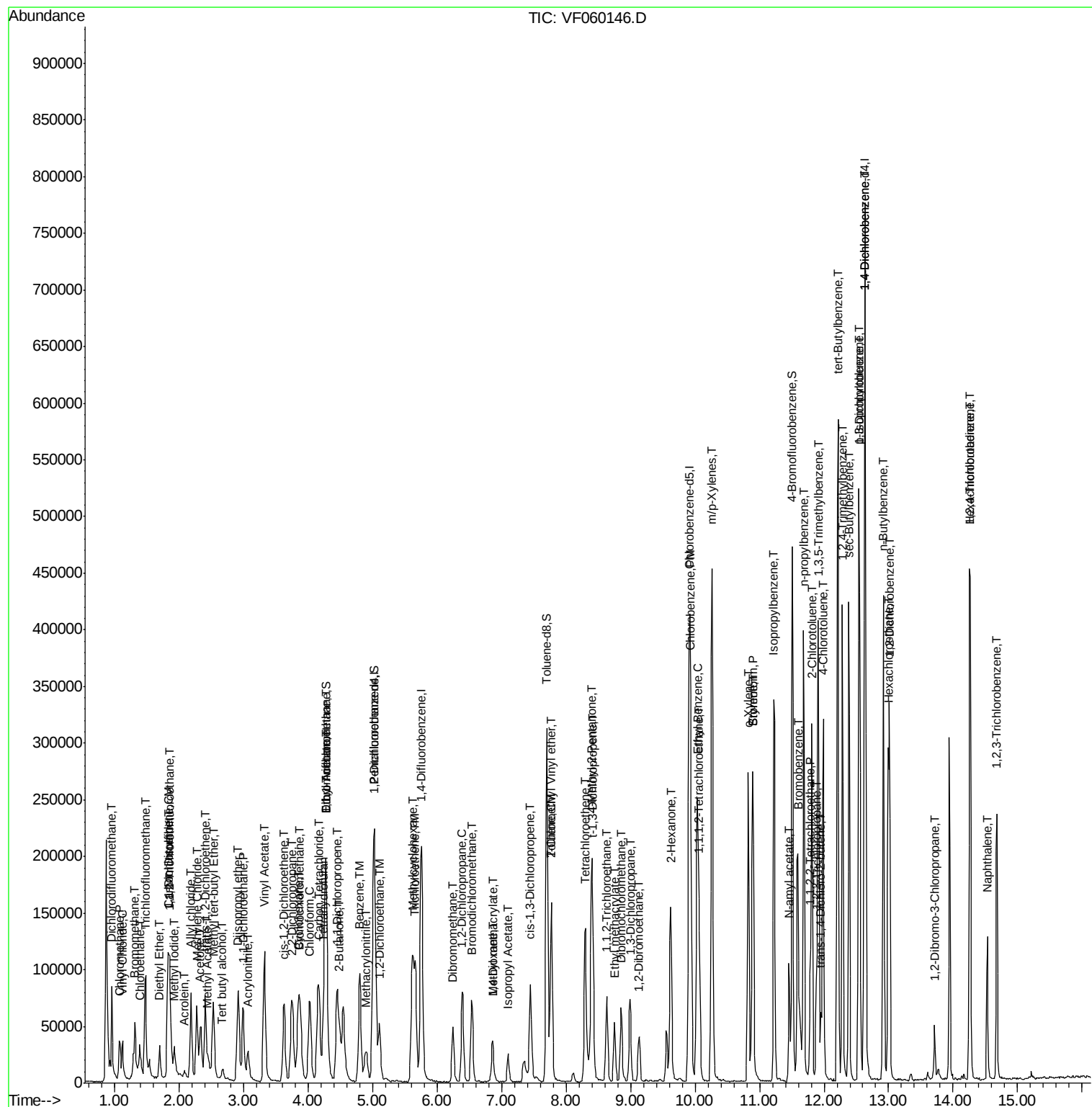
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	73322	22.704	ug/l	98
94) Hexachlorobutadiene	14.26	225	54286	27.008	ug/l	98
95) Naphthalene	14.53	128	91035	17.790	ug/l	97
96) 1,2,3-Trichlorobenzene	14.68	180	69234	22.470	ug/l	98

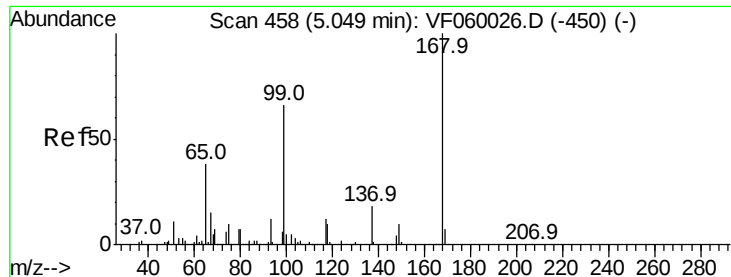
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

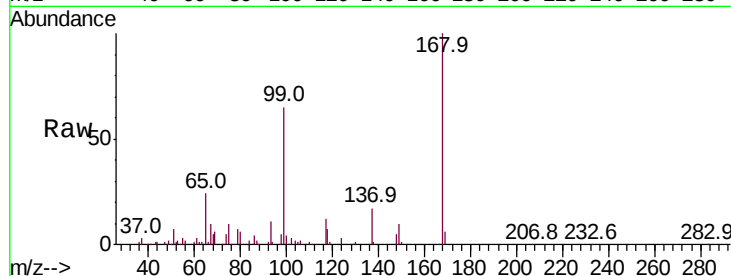
VF0828SBS01

Tot Ion:168 Resp: 150902

Ion Ratio Lower Upper

168 100

99 65.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

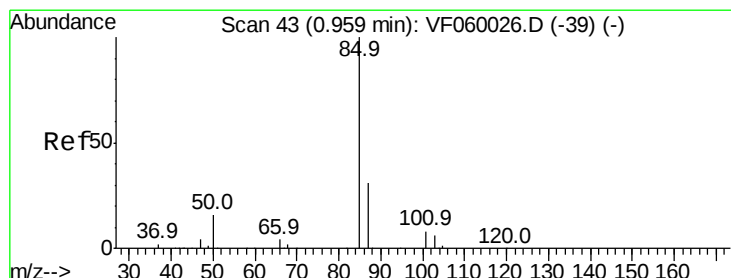
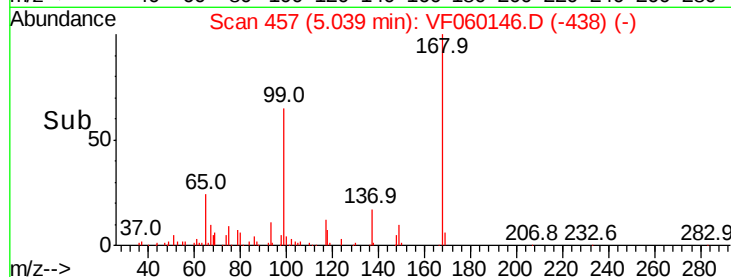
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 26.267 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060146.D

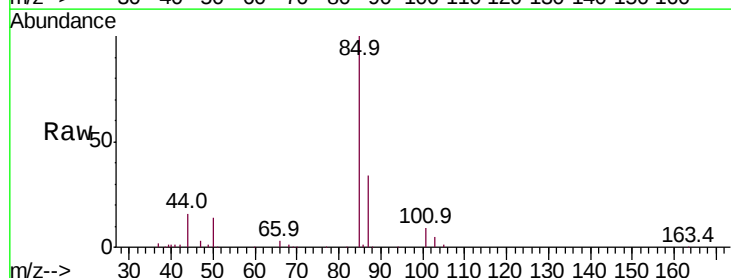
Acq: 28 Aug 2018 13:33

Tgt Ion: 85 Resp: 52185

Ion Ratio Lower Upper

85 100

87 33.6 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

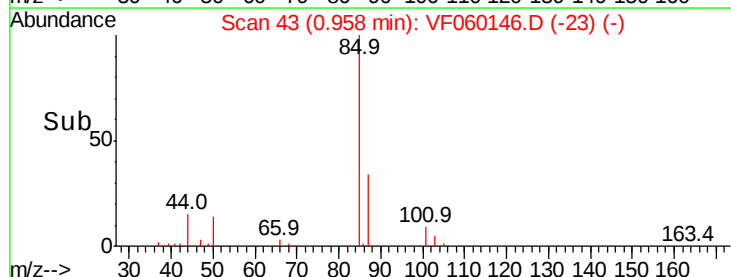
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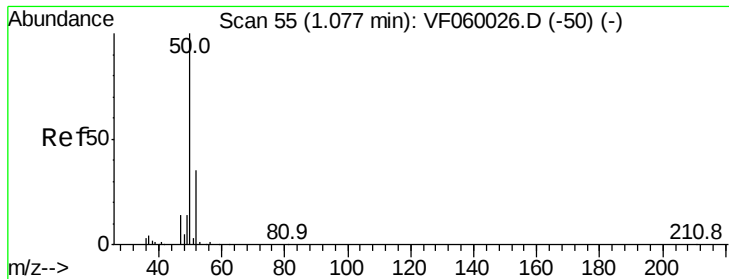
10000

0

0.90 0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: 24.728 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

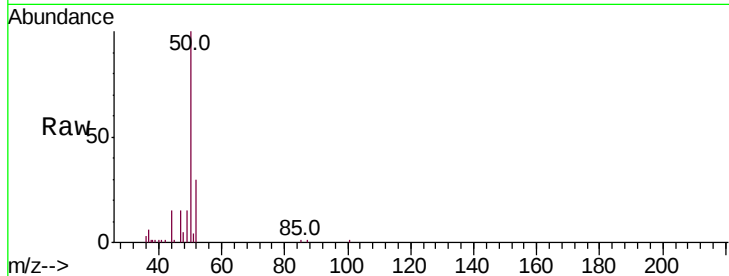
VF0828SBS01

Tot Ion: 50 Resp: 34299

Ion Ratio Lower Upper

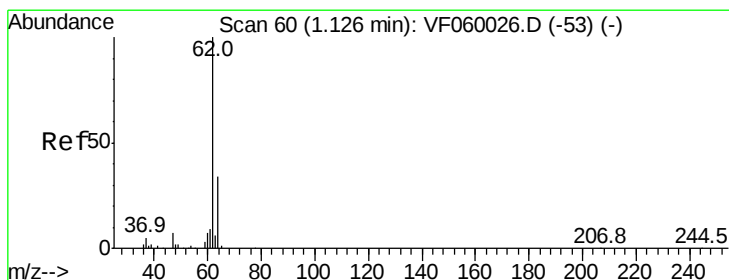
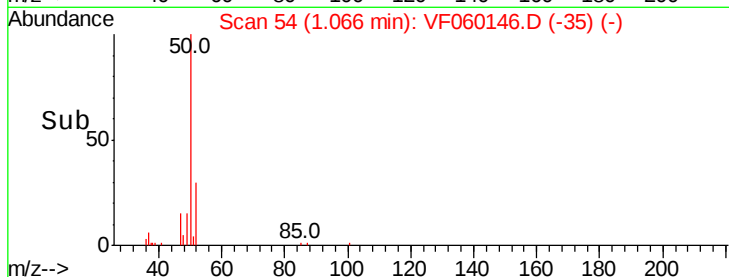
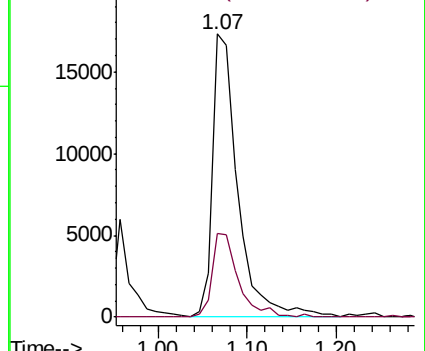
50 100

52 29.6 27.6 41.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.067 ug/l

RT: 1.13 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060146.D

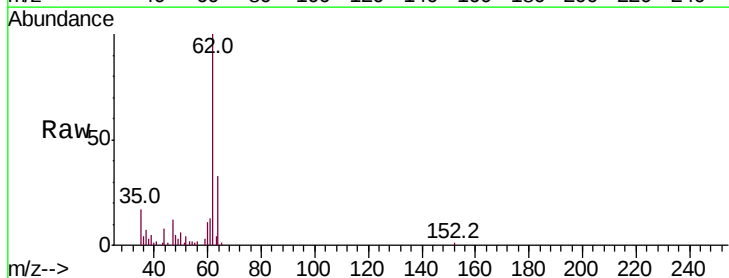
Acq: 28 Aug 2018 13:33

Tgt Ion: 62 Resp: 27220

Ion Ratio Lower Upper

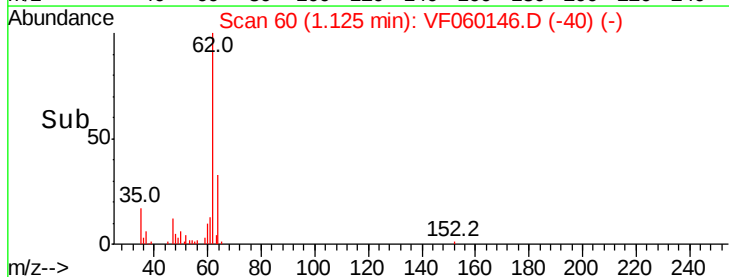
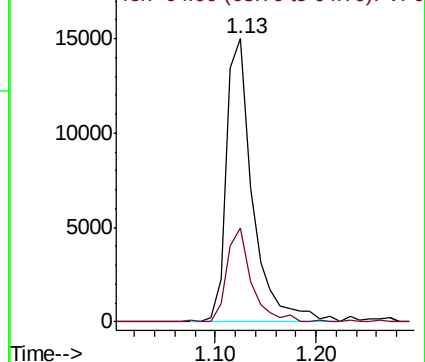
62 100

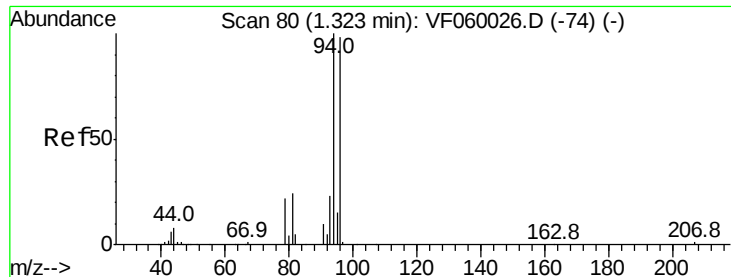
64 33.1 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.080 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

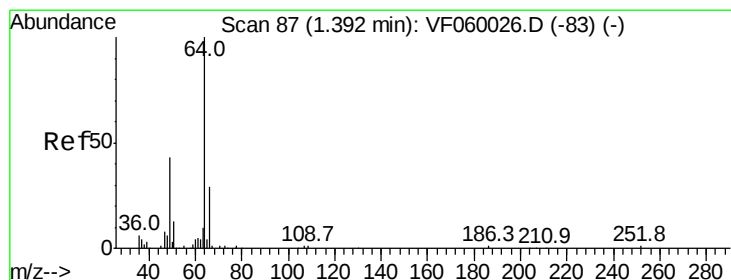
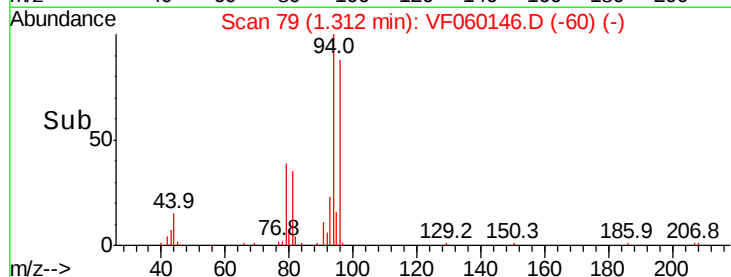
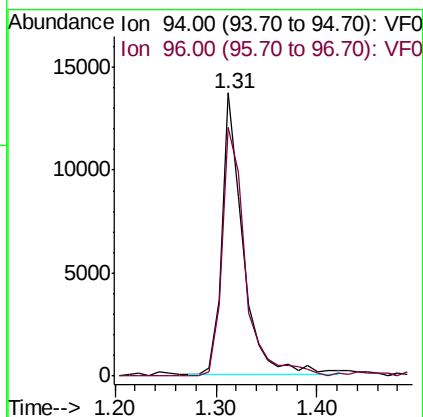
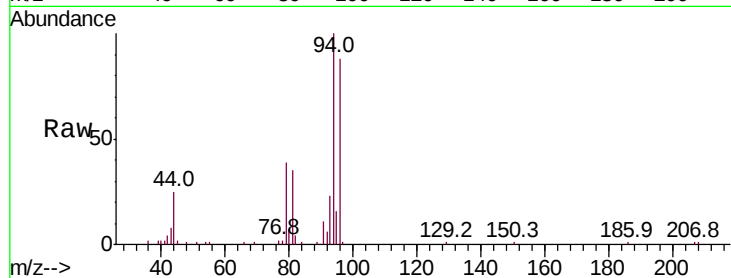
VF0828SBS01

Tot Ion: 94 Resp: 19759

Ion Ratio Lower Upper

94 100

96 87.9 78.6 118.0



#6

Chloroethane

Concen: 25.642 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060146.D

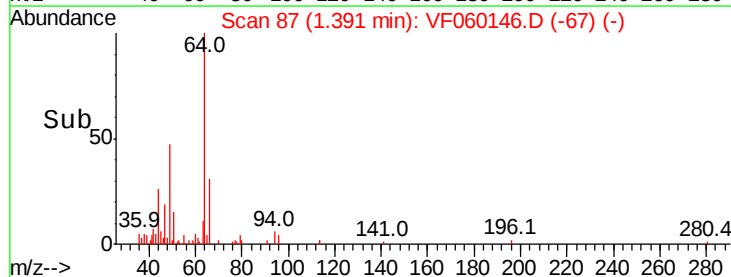
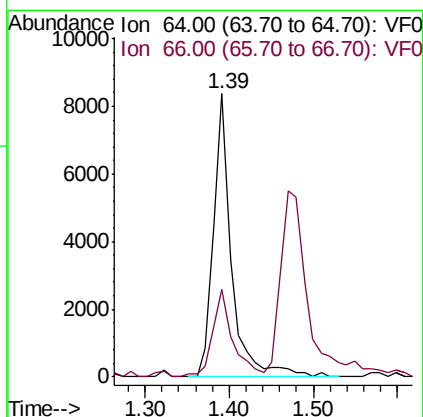
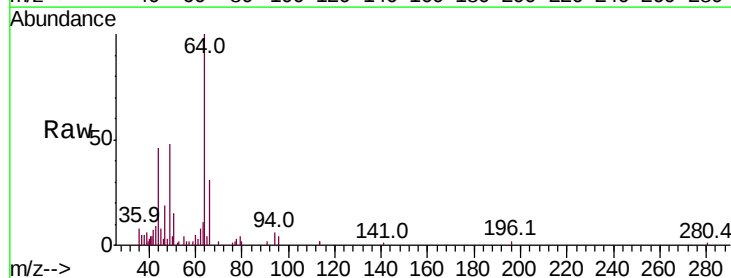
Acq: 28 Aug 2018 13:33

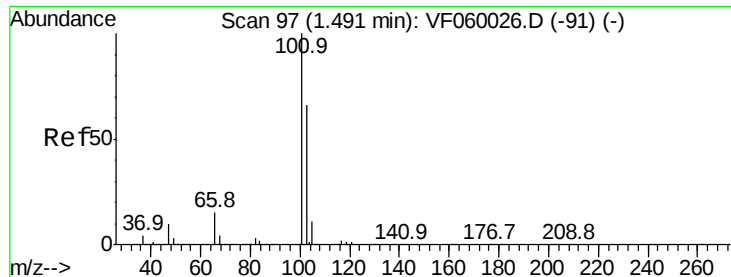
Tgt Ion: 64 Resp: 12468

Ion Ratio Lower Upper

64 100

66 31.1 24.1 36.1



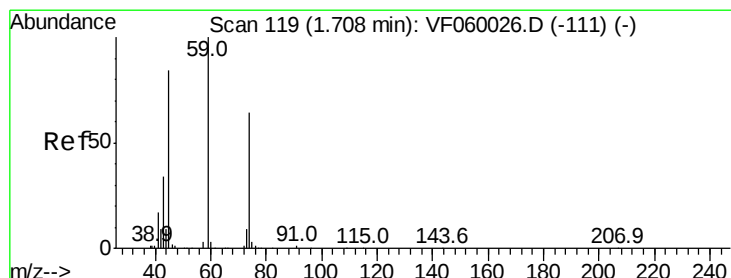
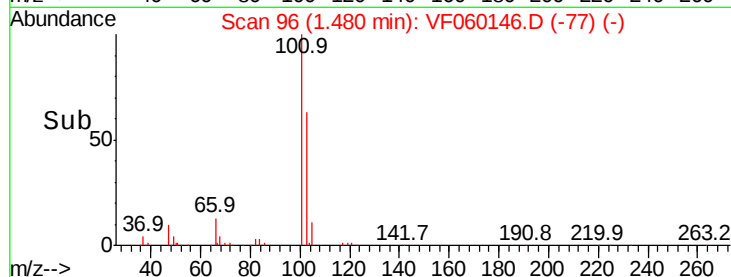
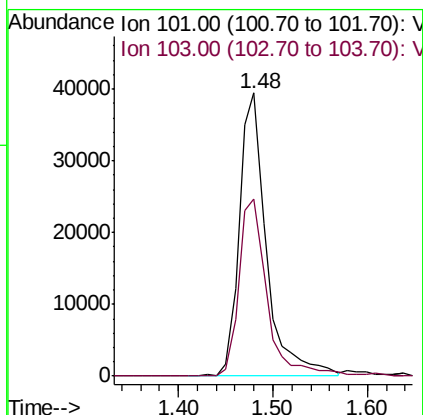
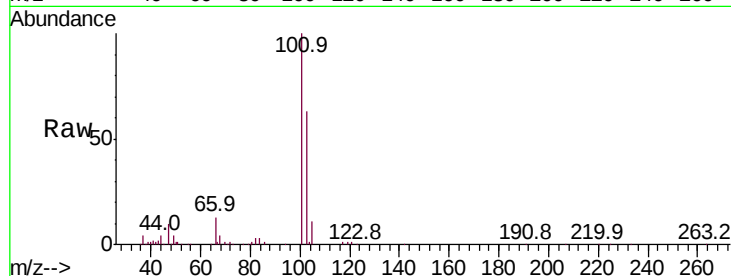


#7

Trichlorofluoromethane
 Concen: 31.407 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
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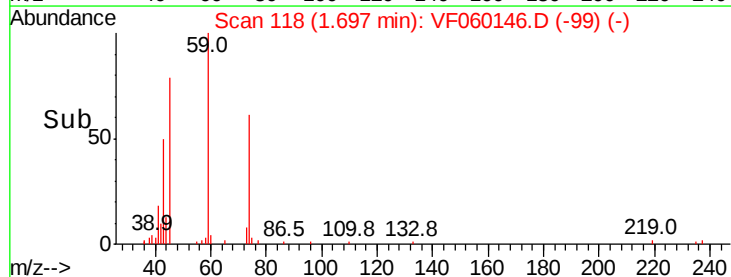
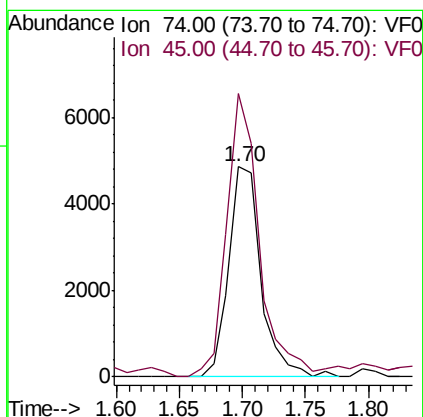
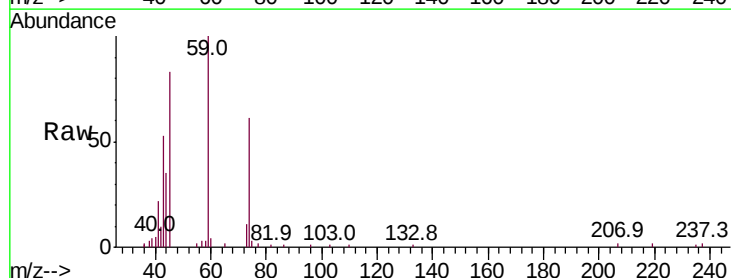
Tot Ion:101 Resp: 77904
 Ion Ratio Lower Upper
 101 100
 103 62.5 52.5 78.7

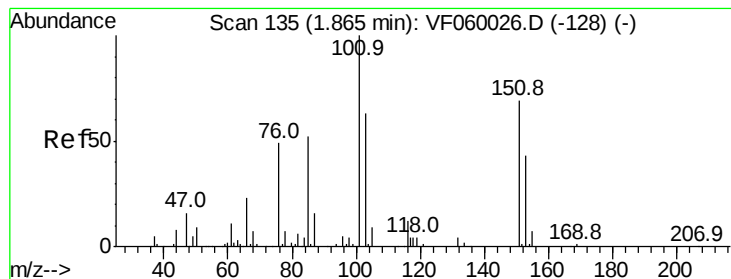


#8

Diethyl Ether
 Concen: 19.422 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion: 74 Resp: 8613
 Ion Ratio Lower Upper
 74 100
 45 134.8 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.603 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

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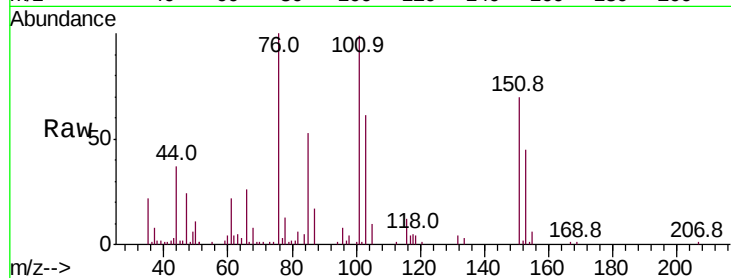
Tot Ion:101 Resp: 33336

Ion Ratio Lower Upper

101 100

85 54.0 41.5 62.3

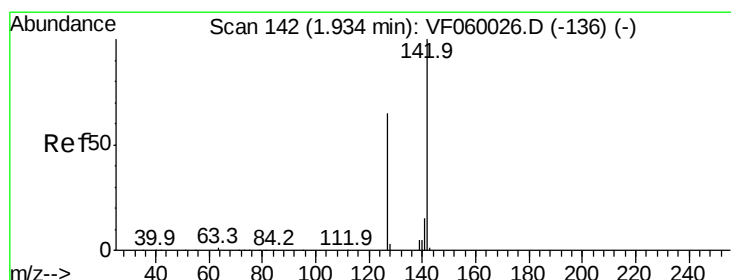
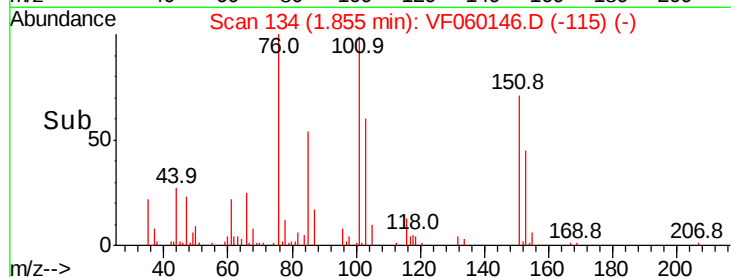
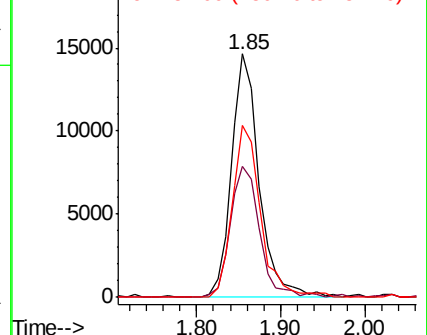
151 70.8 55.2 82.8



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: 15.945 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

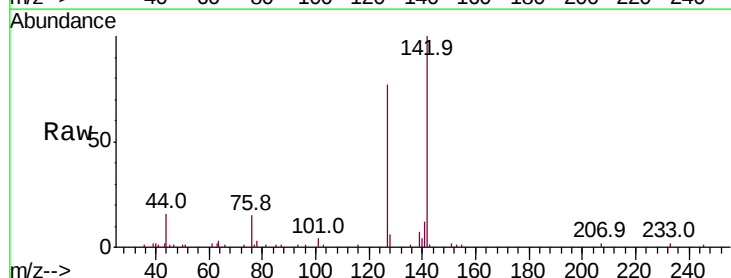
Tgt Ion:142 Resp: 27448

Ion Ratio Lower Upper

142 100

127 77.3 51.8 77.6

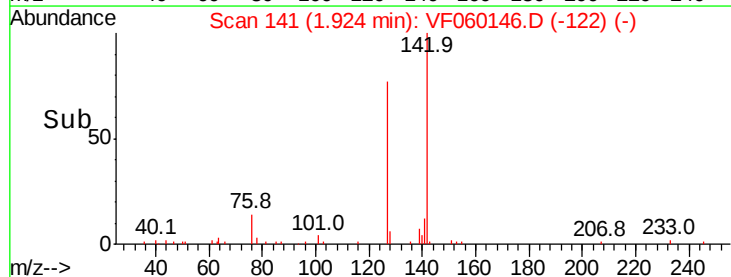
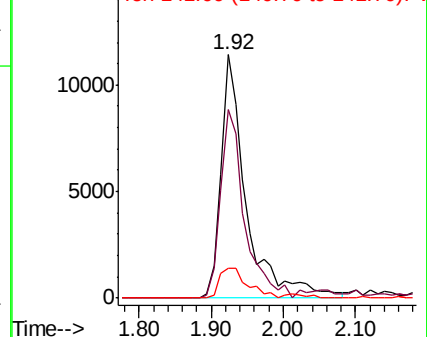
141 12.4 11.9 17.9

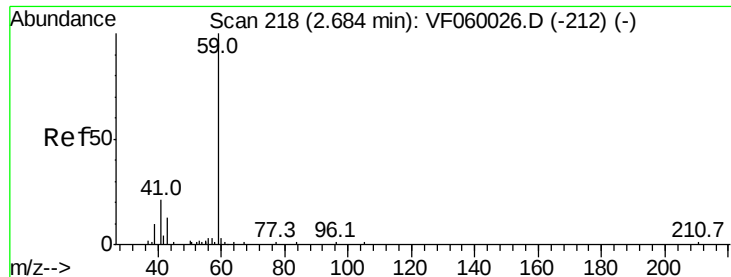


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



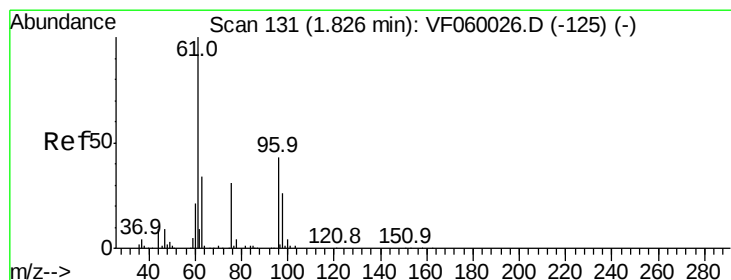
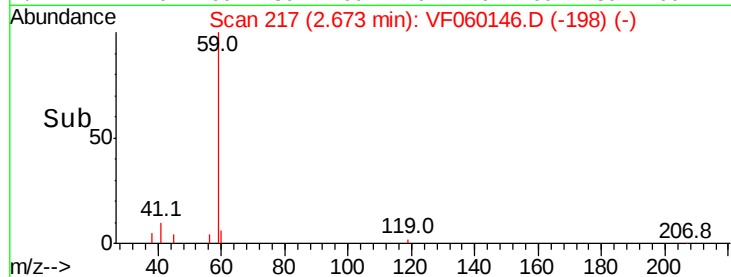
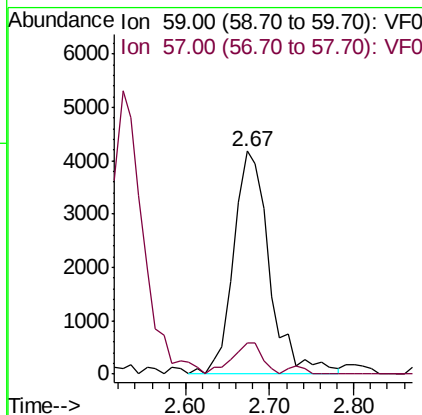
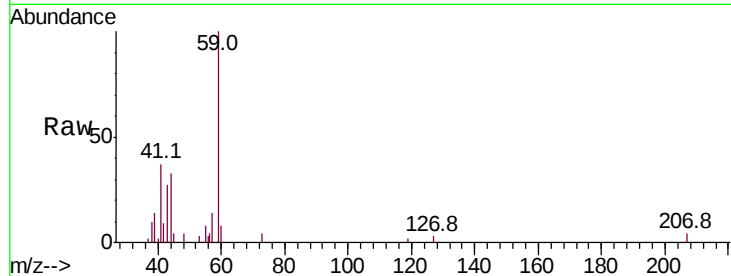


#11

Tert butyl alcohol
 Concen: 113.387 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

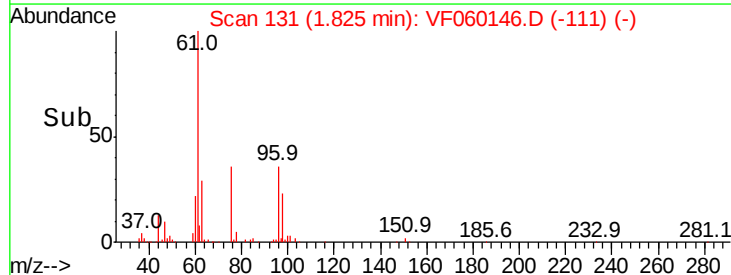
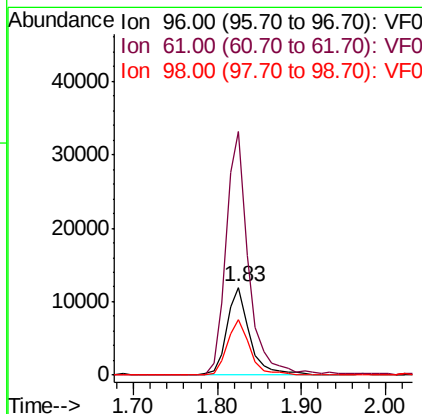
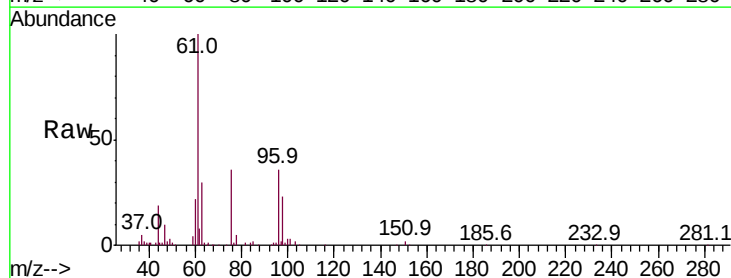
Tot Ion: 59 Resp: 12458
 Ion Ratio Lower Upper
 59 100
 57 13.7 5.4 8.2#

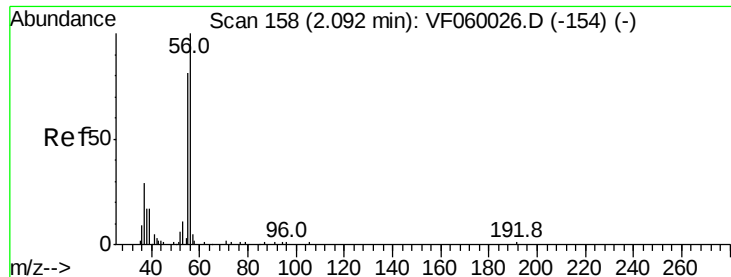


#12

1,1-Dichloroethene
 Concen: 23.574 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. -0.00 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion: 96 Resp: 22614
 Ion Ratio Lower Upper
 96 100
 61 278.0 185.0 277.6#
 98 63.2 47.8 71.8





#13

Acrolein

Concen: 62.739 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

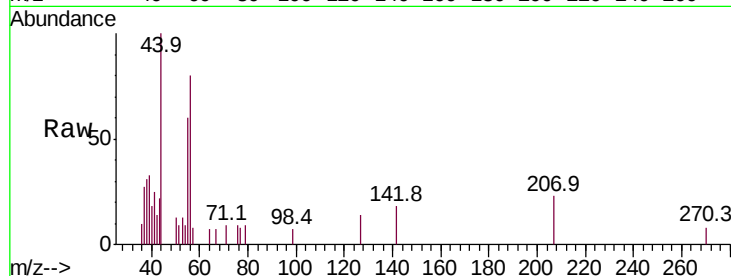
VF0828SBS01

Tot Ion: 56 Resp: 2732

Ion Ratio Lower Upper

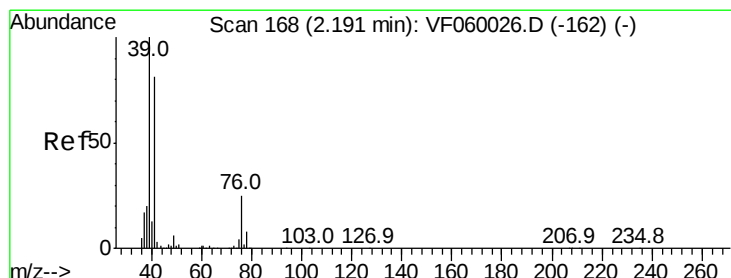
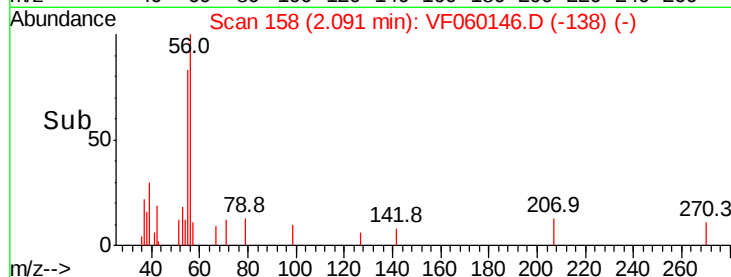
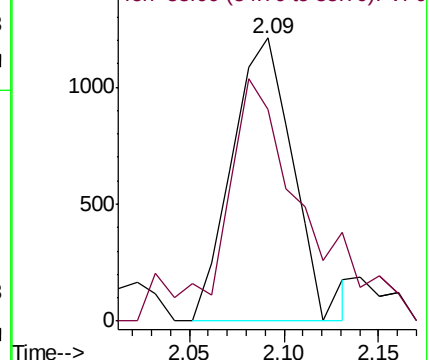
56 100

55 74.6 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.585 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

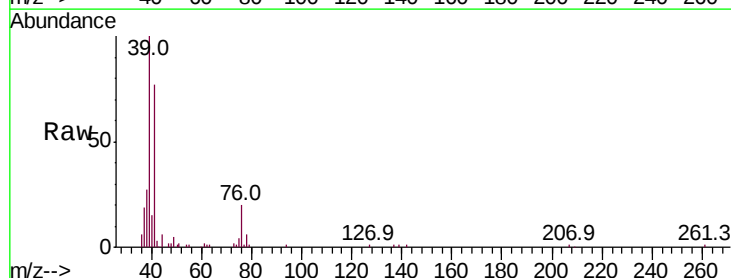
Tgt Ion: 41 Resp: 36774

Ion Ratio Lower Upper

41 100

39 130.1 99.3 148.9

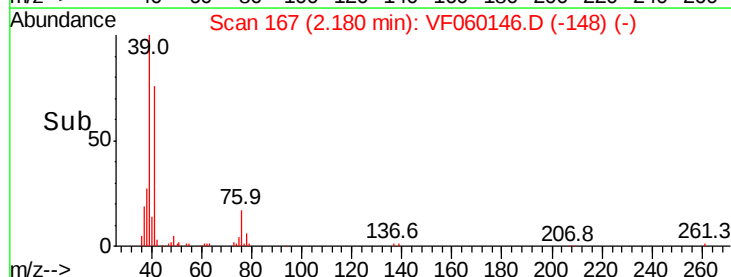
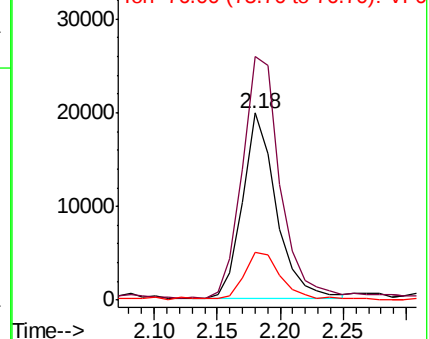
76 25.5 24.3 36.5

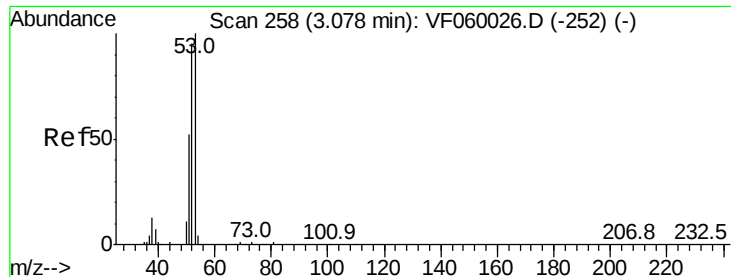


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 110.879 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

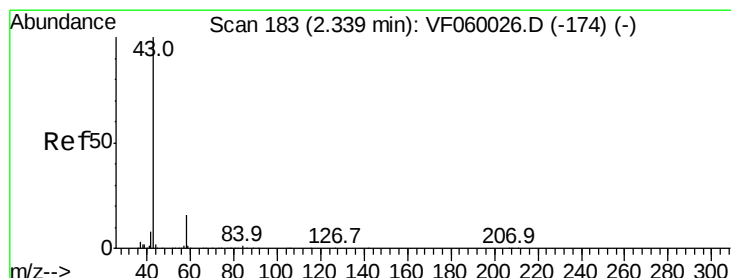
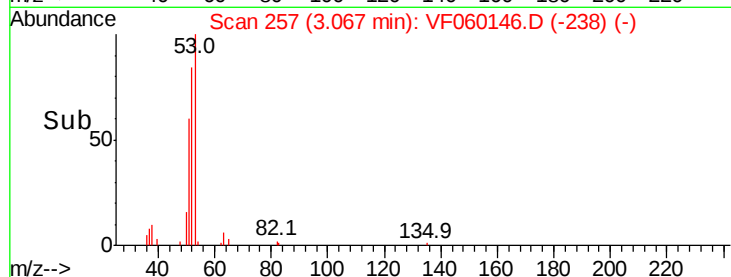
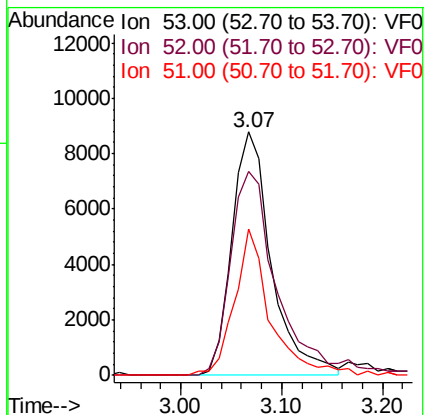
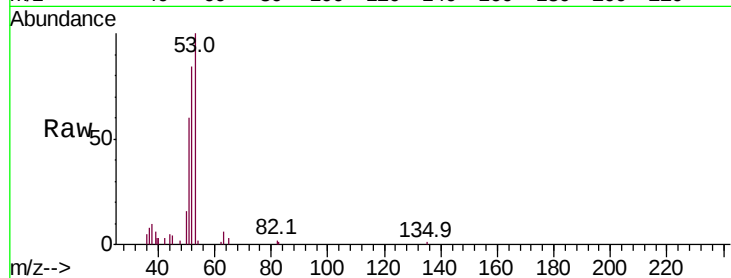
Tot Ion: 53 Resp: 24041

Ion Ratio Lower Upper

53 100

52 83.8 75.8 113.8

51 59.9 42.1 63.1



#16

Acetone

Concen: 124.432 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060146.D

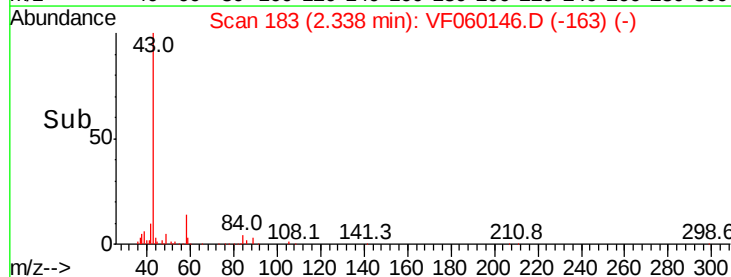
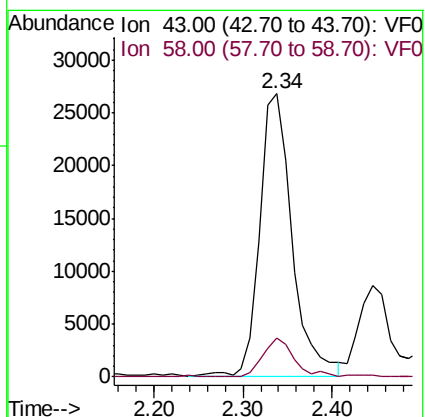
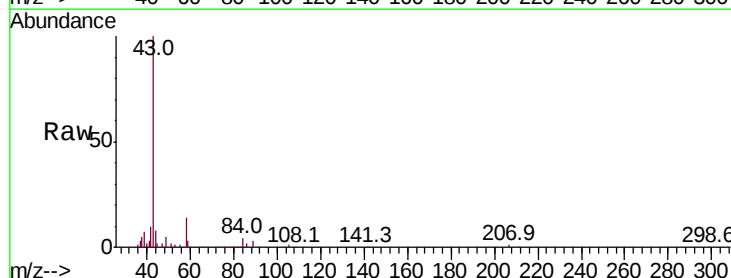
Acq: 28 Aug 2018 13:33

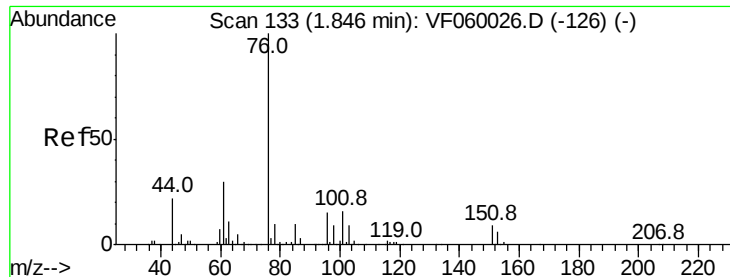
Tgt Ion: 43 Resp: 67541

Ion Ratio Lower Upper

43 100

58 13.7 12.6 19.0





#17

Carbon Disulfide

Concen: 22.850 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

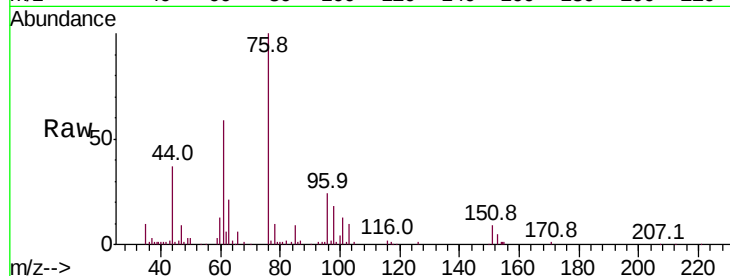
VF0828SBS01

Tot Ion: 76 Resp: 68629

Ion Ratio Lower Upper

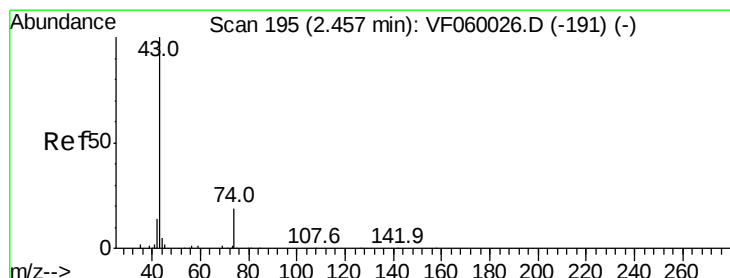
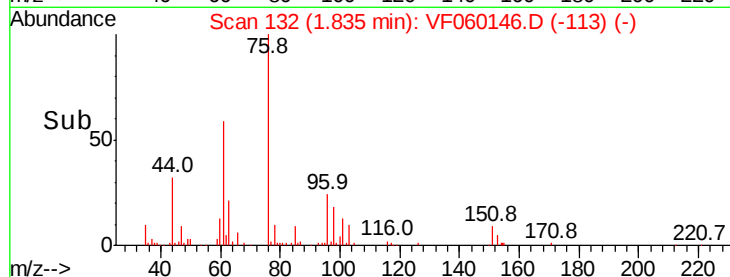
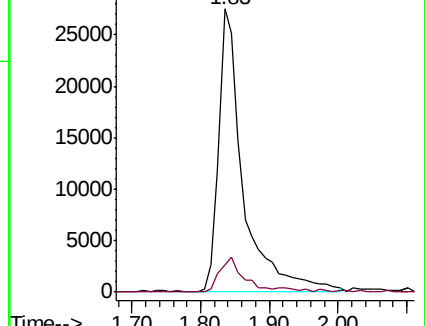
76 100

78 9.8 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 19.004 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060146.D

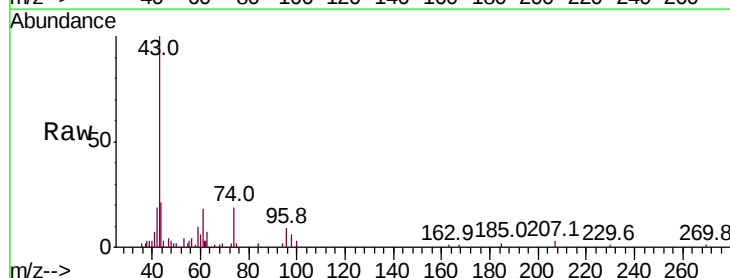
Acq: 28 Aug 2018 13:33

Tgt Ion: 43 Resp: 19983

Ion Ratio Lower Upper

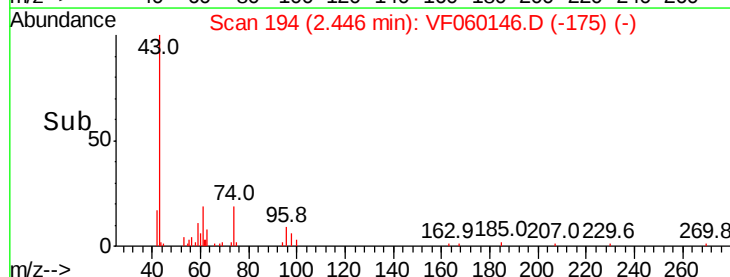
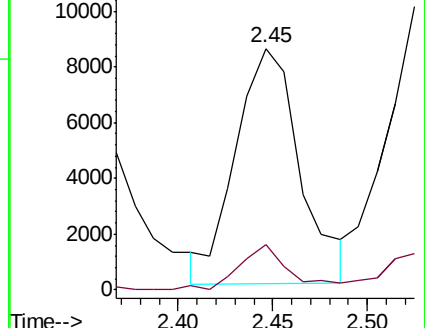
43 100

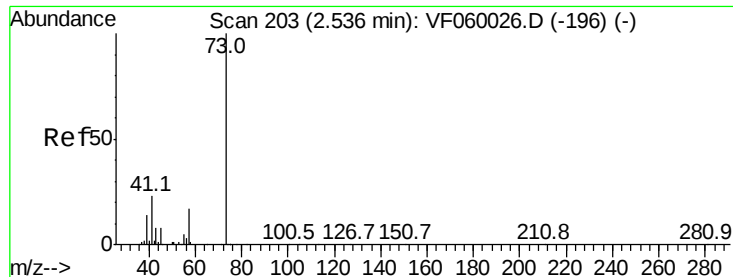
74 18.8 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



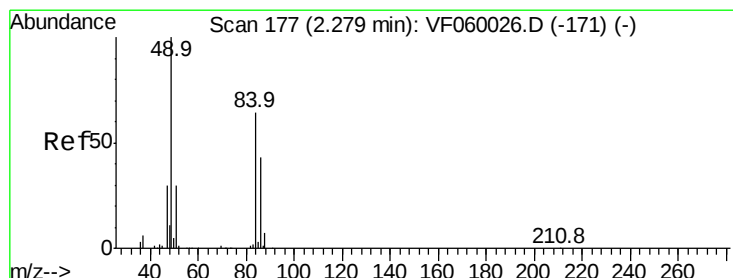
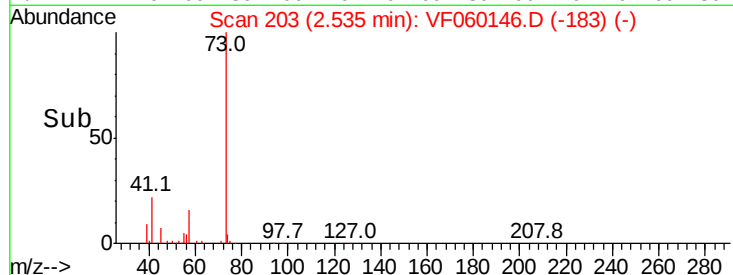
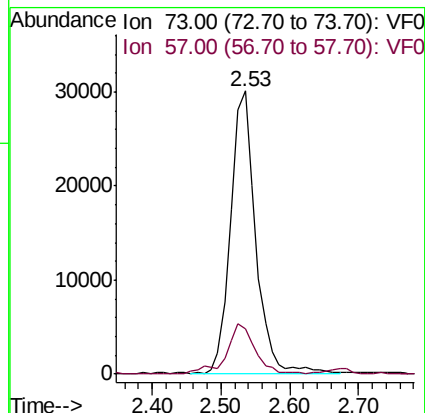
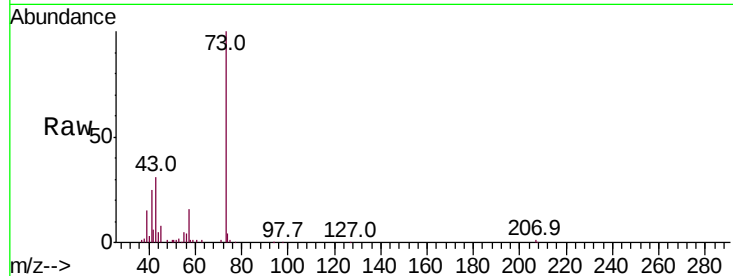


#19

Methyl tert-butyl Ether
 Concen: 24.875 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

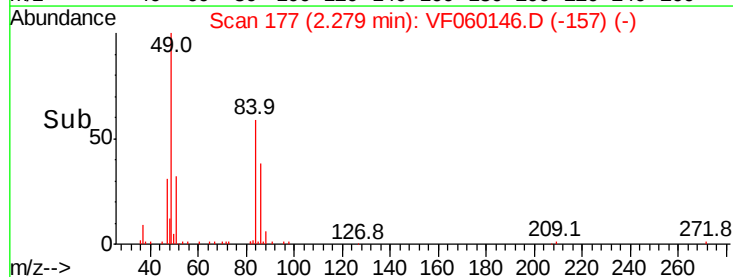
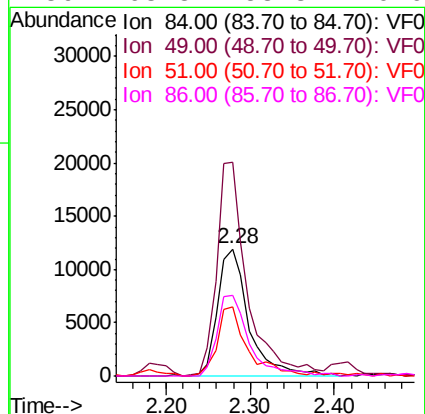
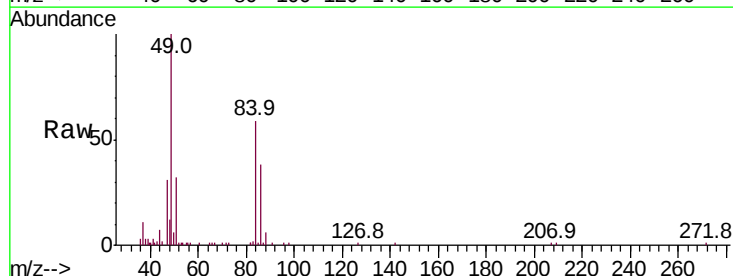
Tot Ion: 73 Resp: 76450
 Ion Ratio Lower Upper
 73 100
 57 16.0 13.7 20.5

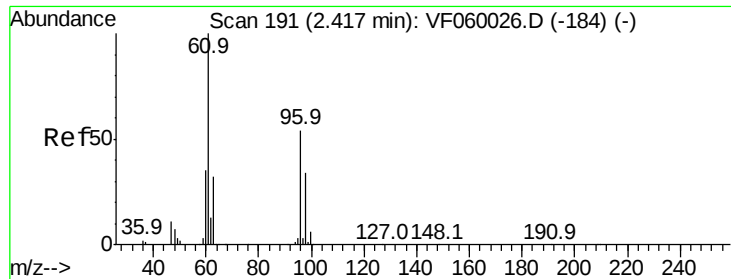


#20

Methylene Chloride
 Concen: 26.428 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion: 84 Resp: 30834
 Ion Ratio Lower Upper
 84 100
 49 168.5 125.4 188.0
 51 54.1 38.3 57.5
 86 63.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.722 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

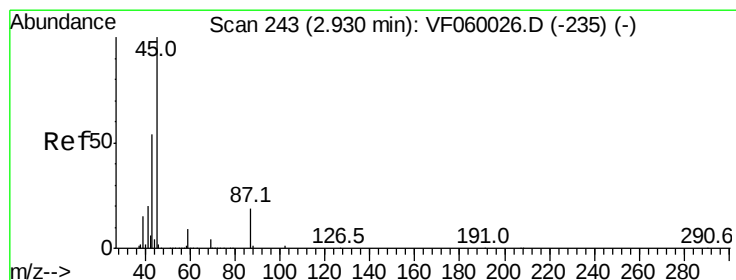
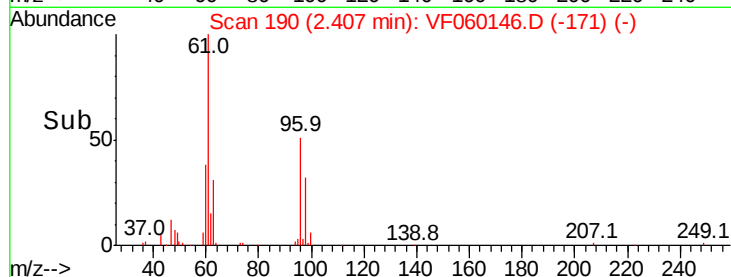
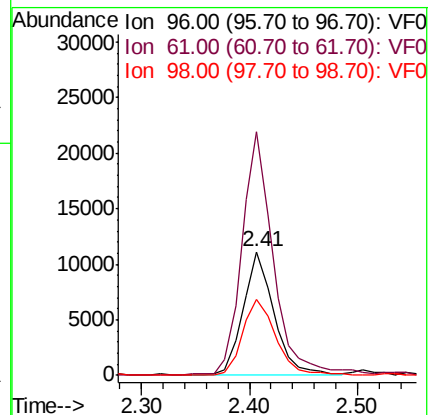
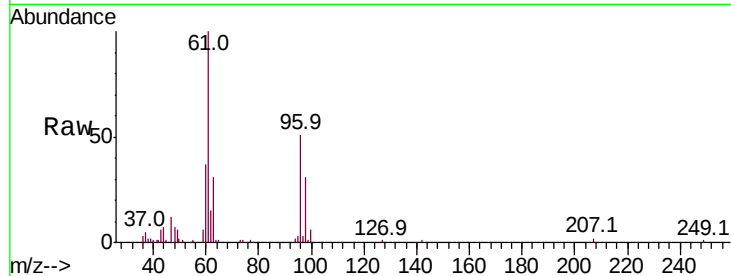
Tot Ion: 96 Resp: 22242

Ion Ratio Lower Upper

96 100

61 197.3 147.4 221.0

98 62.0 49.8 74.6



#22

Diisopropyl ether

Concen: 23.098 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion: 45 Resp: 88118

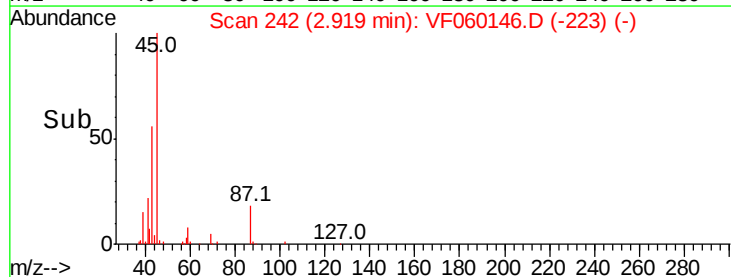
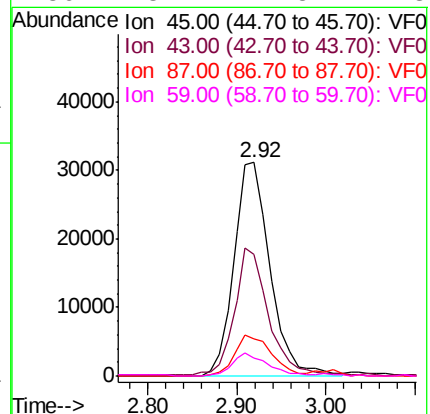
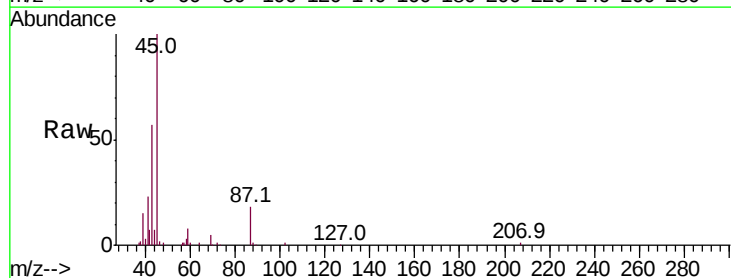
Ion Ratio Lower Upper

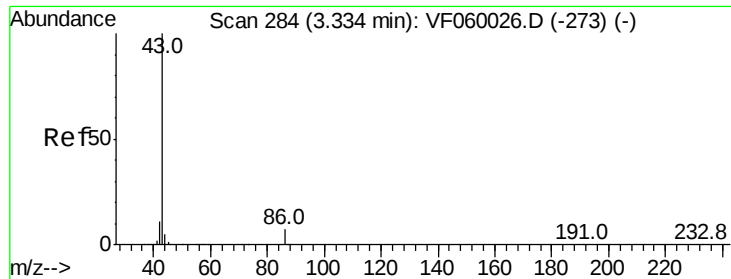
45 100

43 56.8 43.4 65.2

87 17.6 15.4 23.2

59 8.1 7.5 11.3





#23

Vinyl Acetate

Concen: 109.619 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

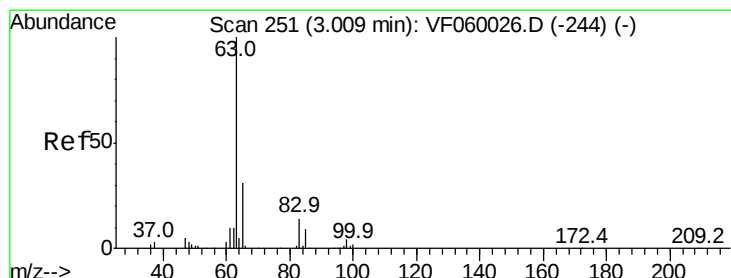
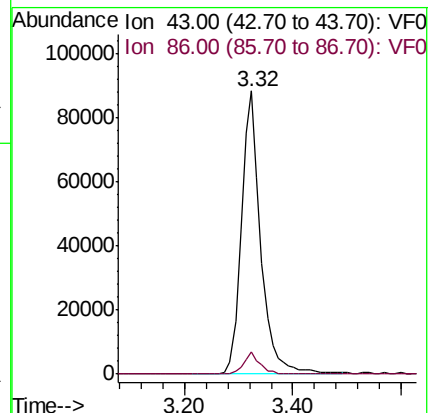
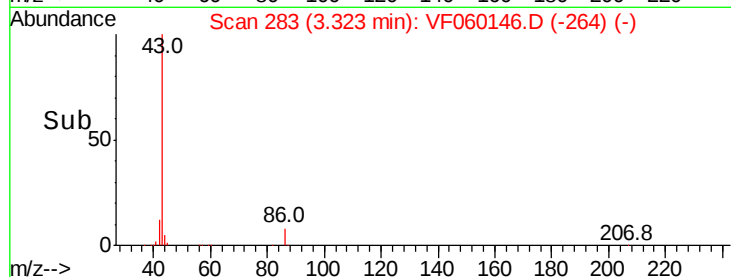
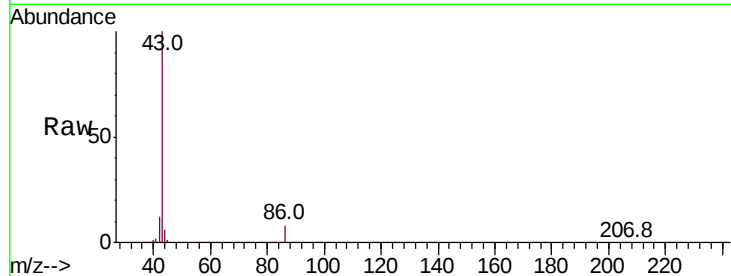
VF0828SBS01

Tot Ion: 43 Resp: 221539

Ion Ratio Lower Upper

43 100

86 7.9 5.6 8.4



#24

1,1-Dichloroethane

Concen: 30.080 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

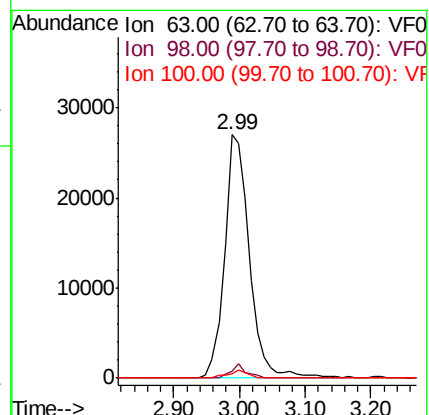
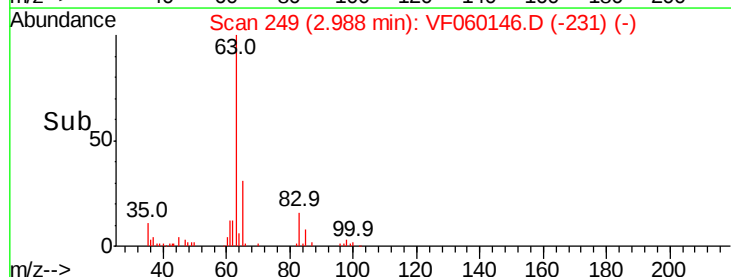
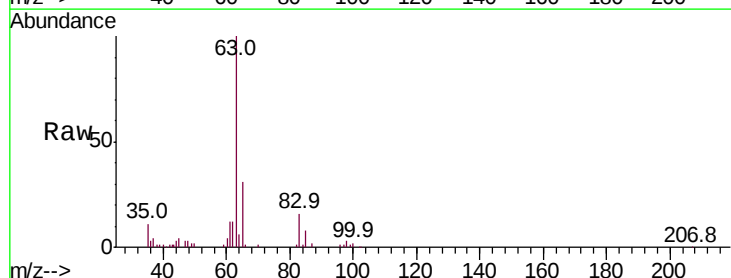
Tgt Ion: 63 Resp: 70889

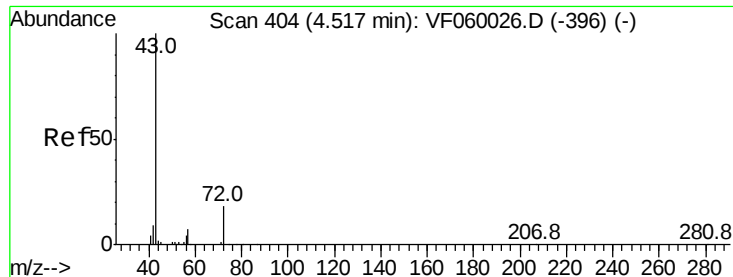
Ion Ratio Lower Upper

63 100

98 3.0 2.1 6.5

100 1.9 1.1 3.3





#25

2-Butanone

Concen: 105.432 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

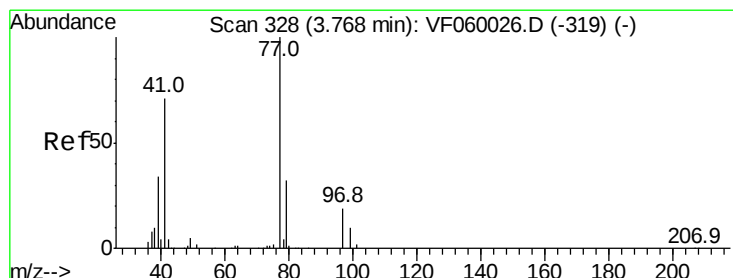
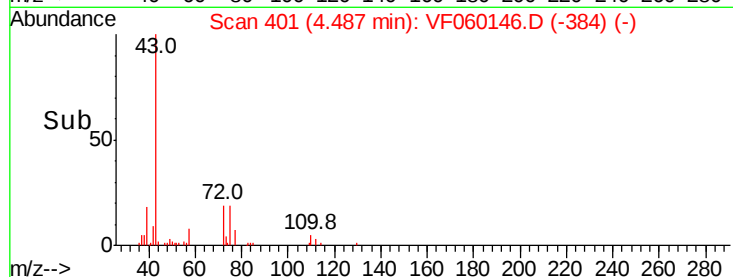
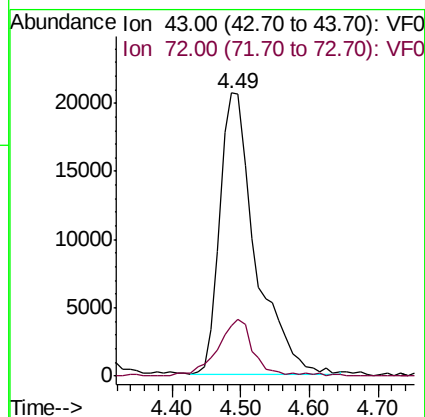
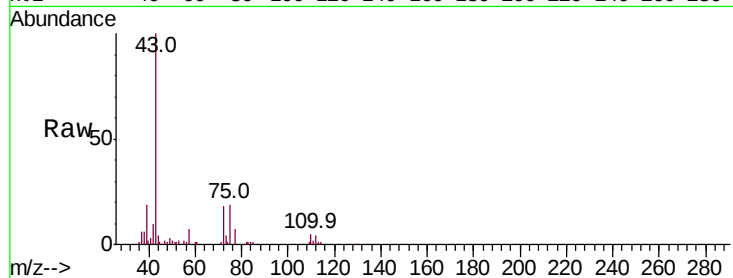
VF0828SBS01

Tot Ion: 43 Resp: 74335

Ion Ratio Lower Upper

43 100

72 17.8 15.0 22.6



#26

2,2-Dichloropropane

Concen: 29.056 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060146.D

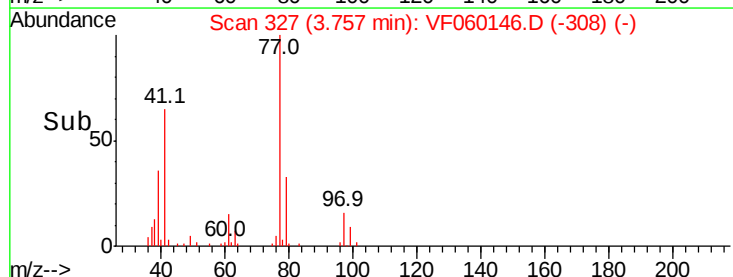
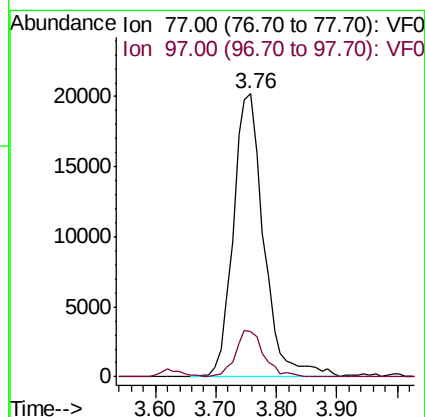
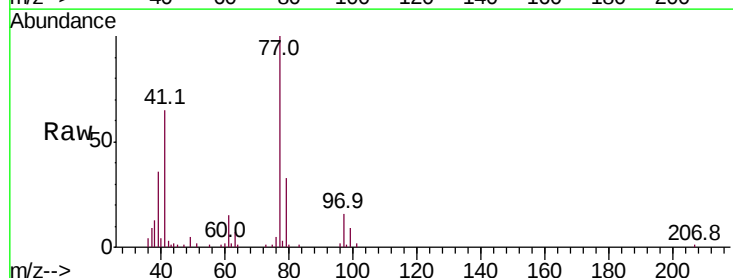
Acq: 28 Aug 2018 13:33

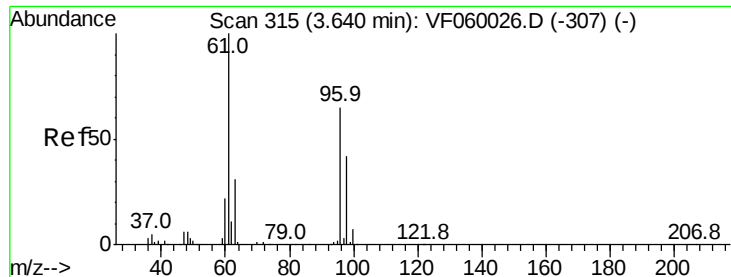
Tgt Ion: 77 Resp: 70844

Ion Ratio Lower Upper

77 100

97 16.1 9.7 29.1



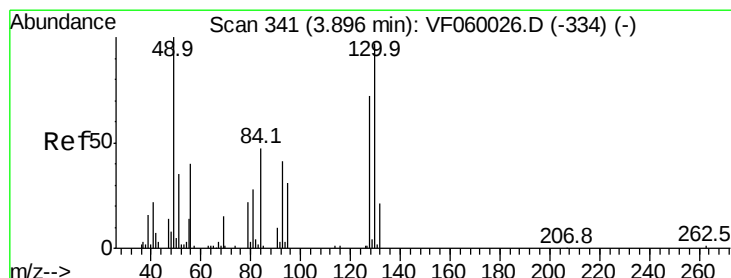
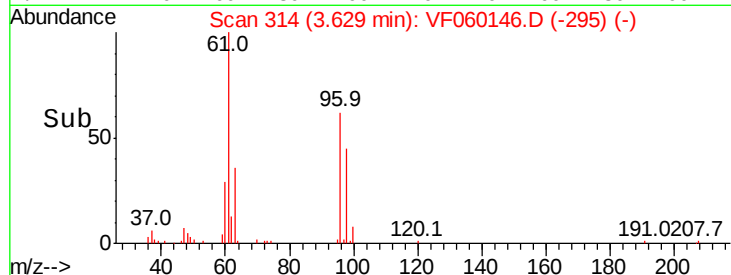
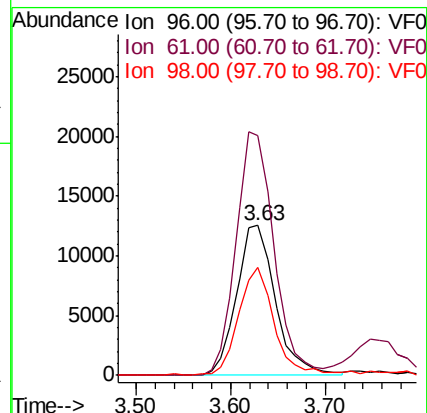
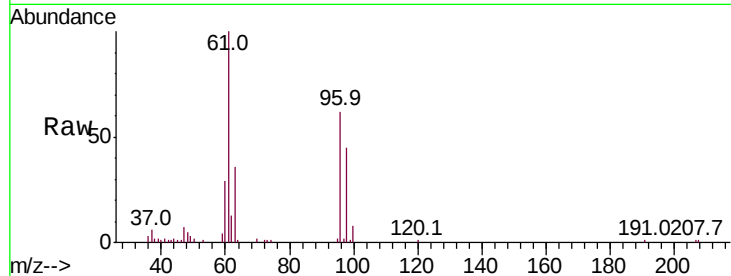


#27

cis-1,2-Dichloroethene
Concen: 23.492 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

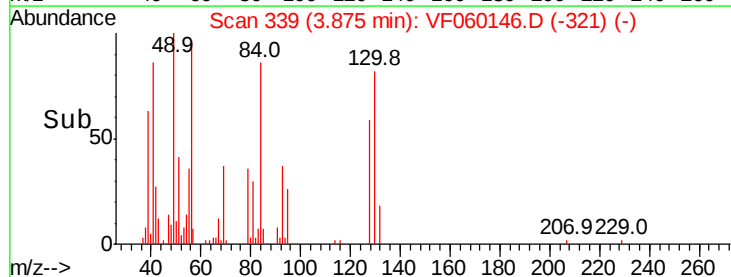
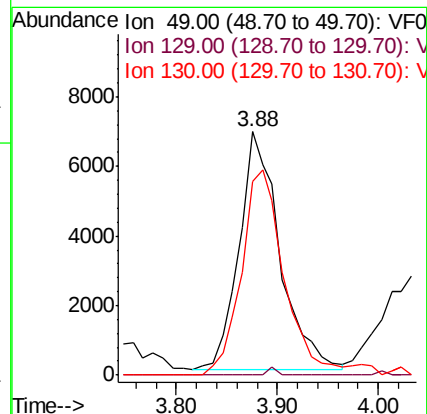
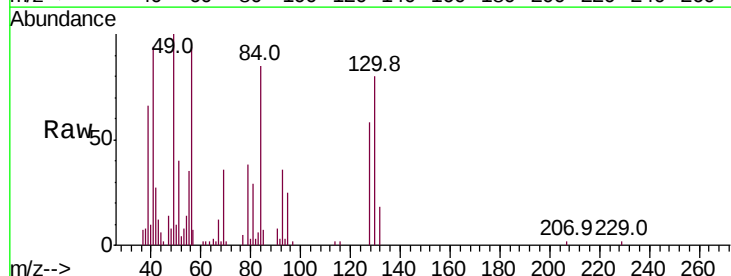
Tot Ion	96	Resp	35731
Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	307.6
98	72.3	0.0	128.4

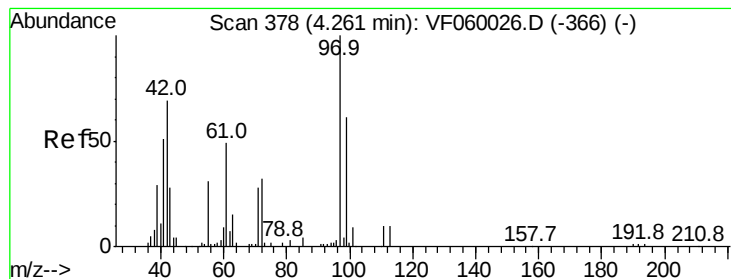


#28

Bromochloromethane
Concen: 19.486 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion	49	Resp	19388
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	79.8	78.0	117.0





#29

Tetrahydrofuran

Concen: 96.034 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

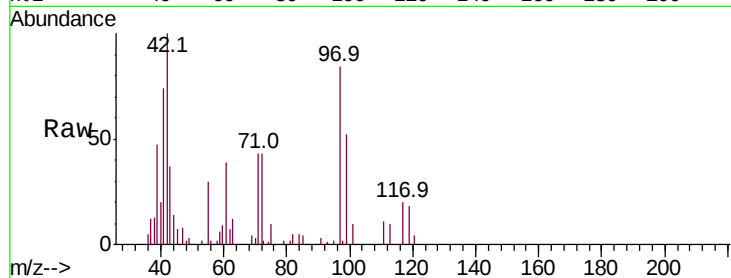
Tot Ion: 42 Resp: 25564

Ion Ratio Lower Upper

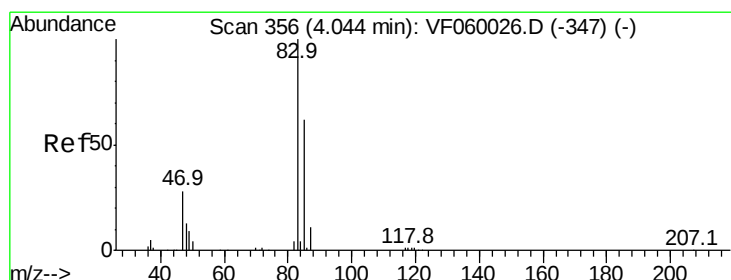
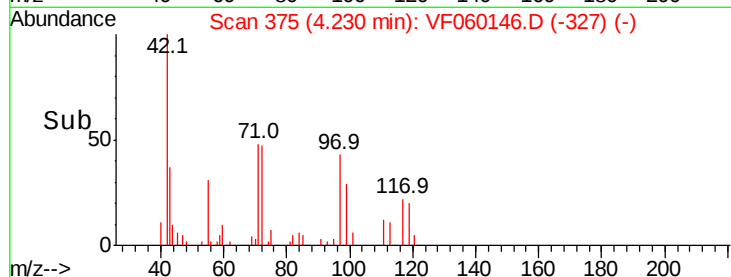
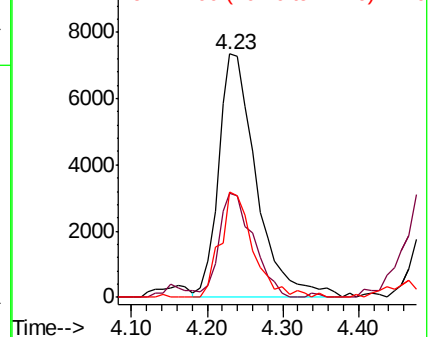
42 100

72 38.6 31.4 47.2

71 37.9 29.7 44.5



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



#30

Chloroform

Concen: 24.084 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.02 min

Lab File: VF060146.D

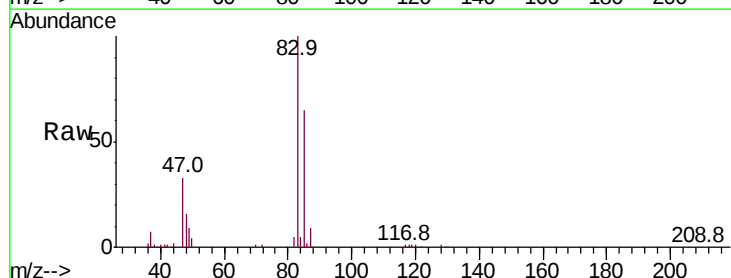
Acq: 28 Aug 2018 13:33

Tgt Ion: 83 Resp: 79671

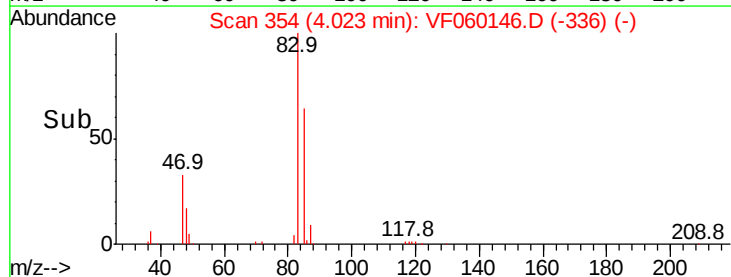
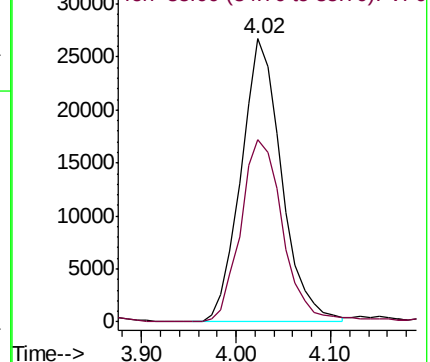
Ion Ratio Lower Upper

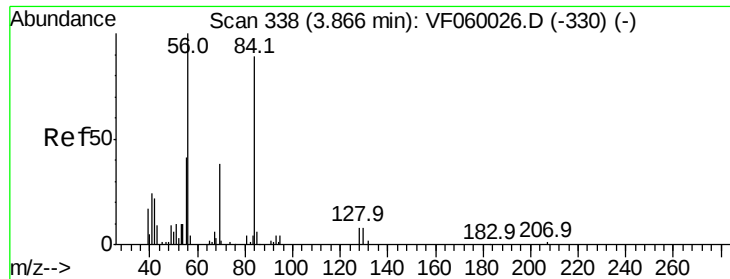
83 100

85 64.6 49.5 74.3



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

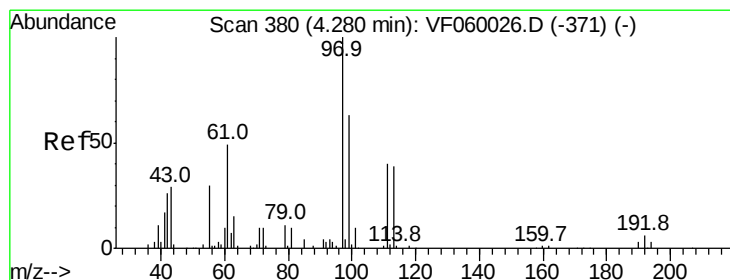
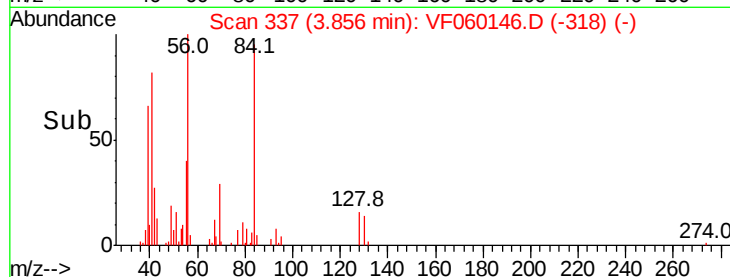
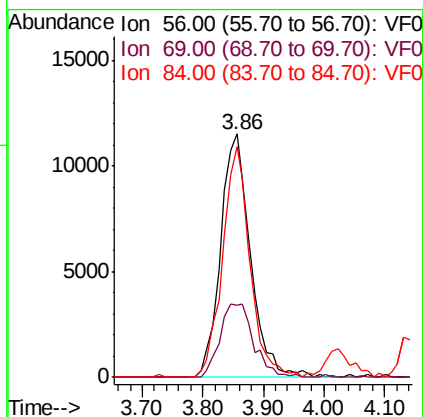
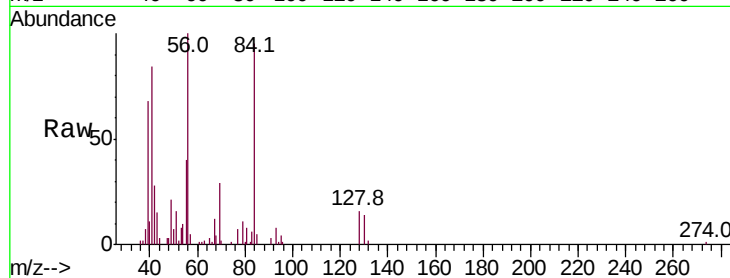




#31
Cyclohexane
Concen: 21.989 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

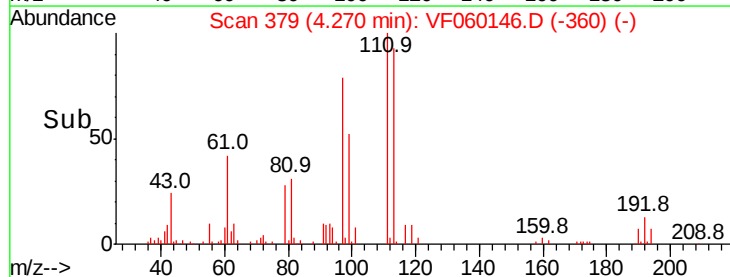
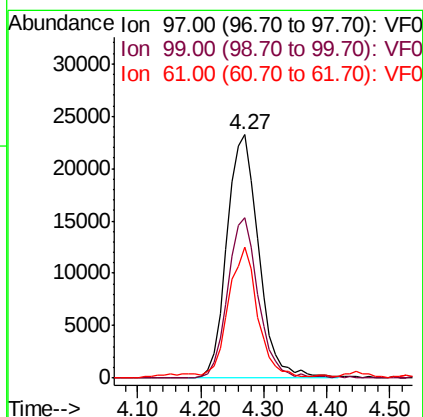
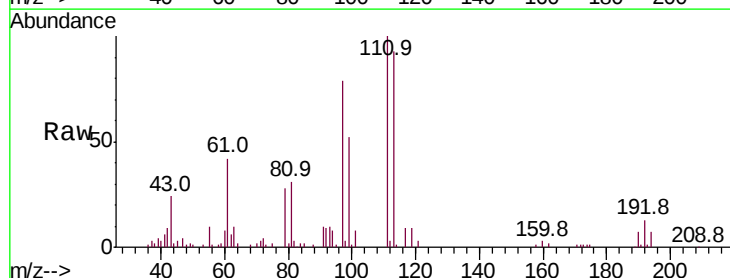
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

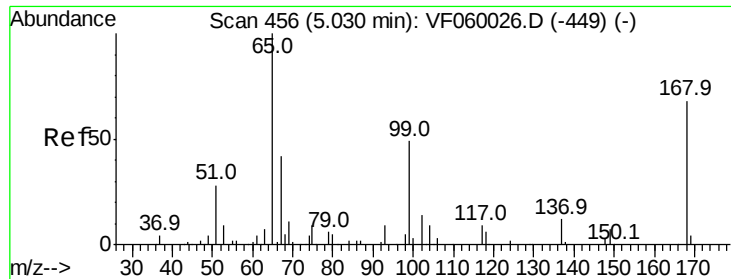
Tot Ion: 56 Resp: 39486
Ion Ratio Lower Upper
56 100
69 29.5 30.4 45.6#
84 94.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 28.654 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 97 Resp: 81171
Ion Ratio Lower Upper
97 100
99 66.0 50.3 75.5
61 53.5 40.3 60.5

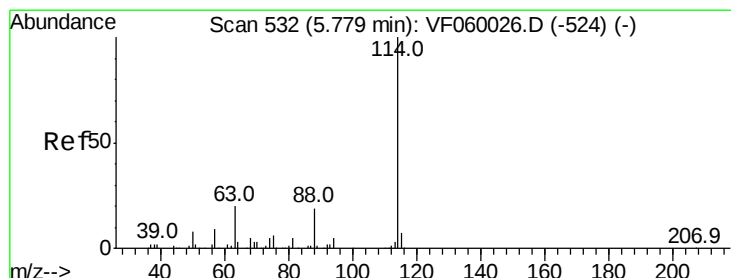
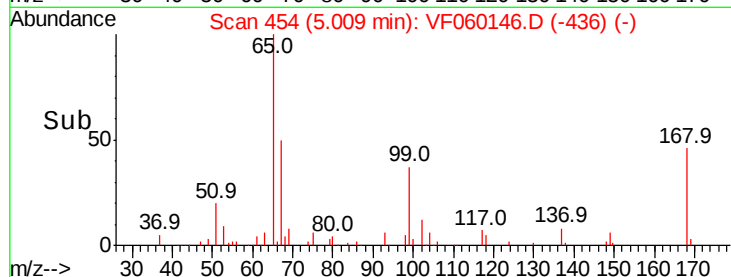
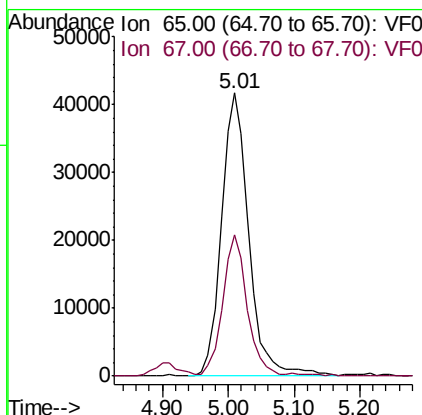
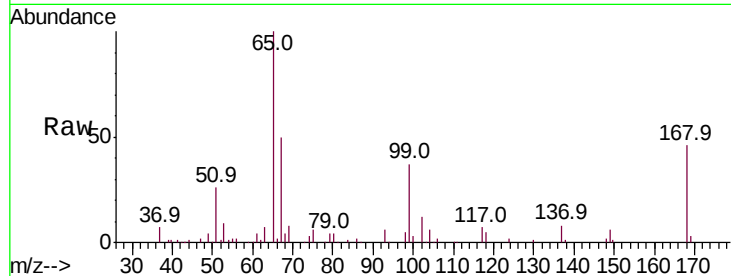




#33
 1,2-Dichloroethane-d4
 Concen: 58.523 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

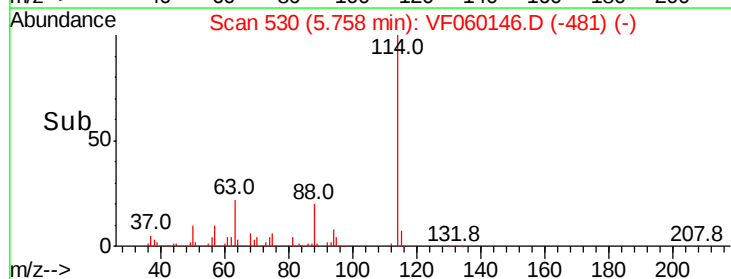
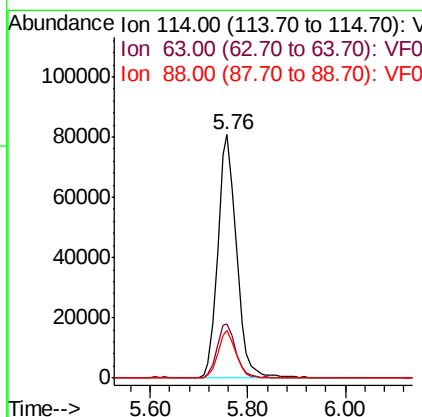
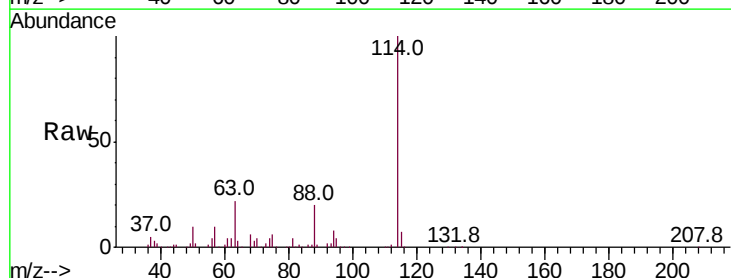
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

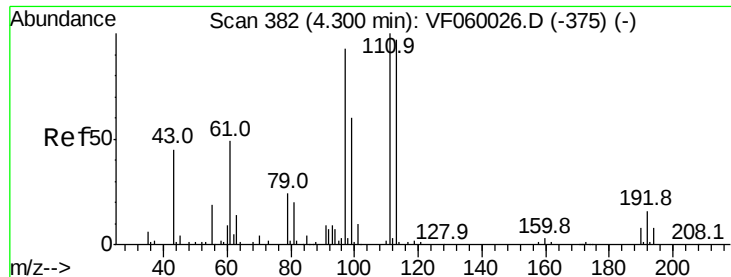
Tot Ion: 65 Resp: 120867
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion:114 Resp: 216934
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.4
 88 19.6 0.0 38.6





#35

Dibromofluoromethane

Concen: 62.742 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

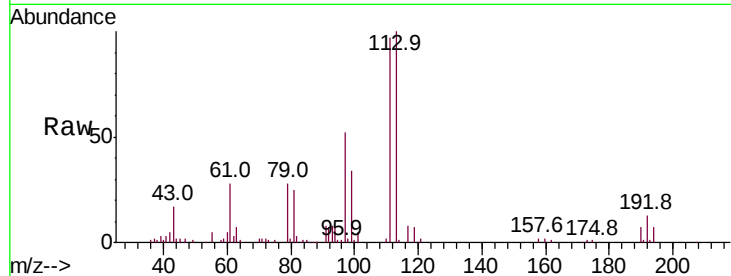
Tot Ion:113 Resp: 106879

Ion Ratio Lower Upper

113 100

111 97.0 82.7 124.1

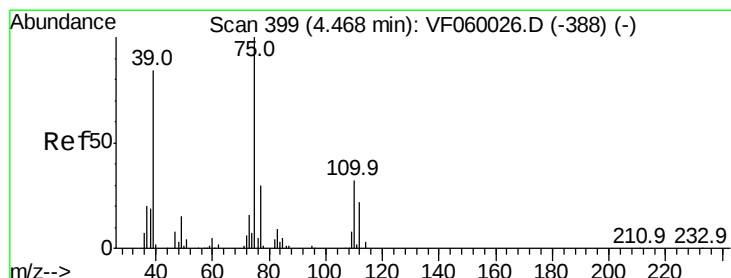
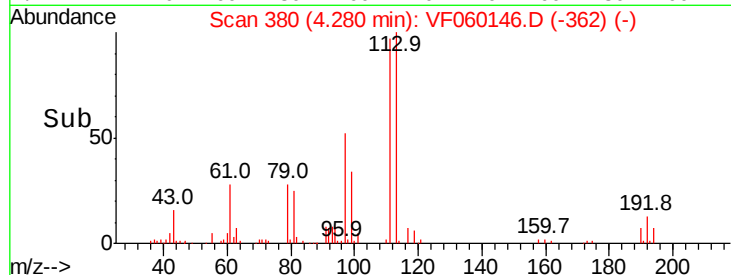
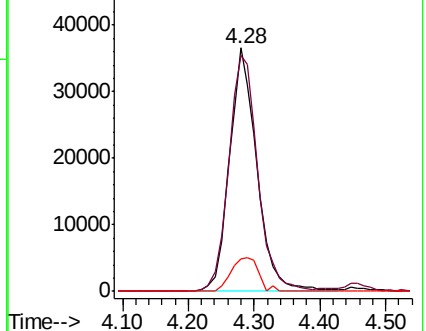
192 13.3 13.0 19.4



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: 26.504 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

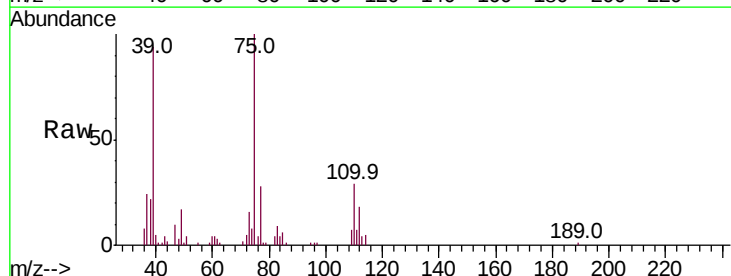
Tgt Ion: 75 Resp: 54032

Ion Ratio Lower Upper

75 100

110 28.7 16.0 47.9

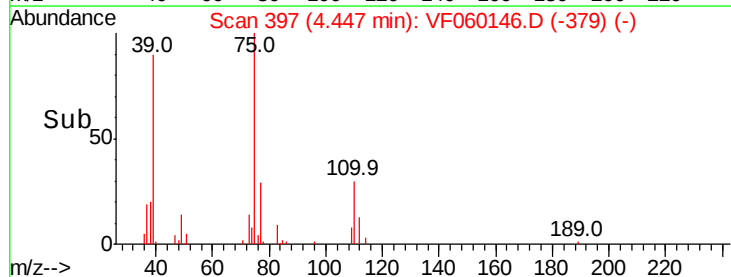
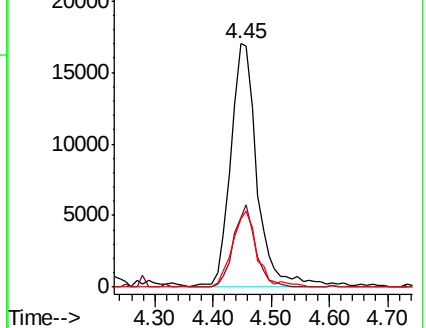
77 28.1 24.1 36.1

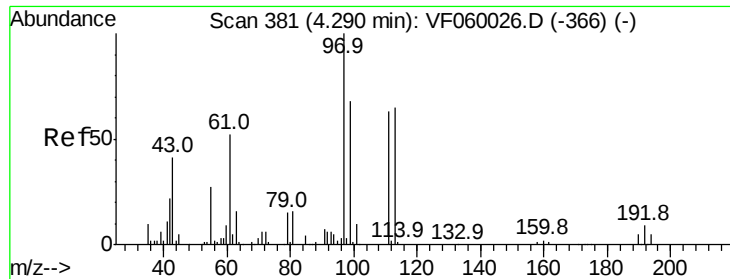


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

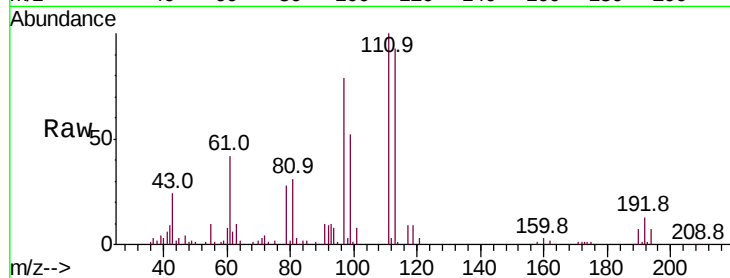




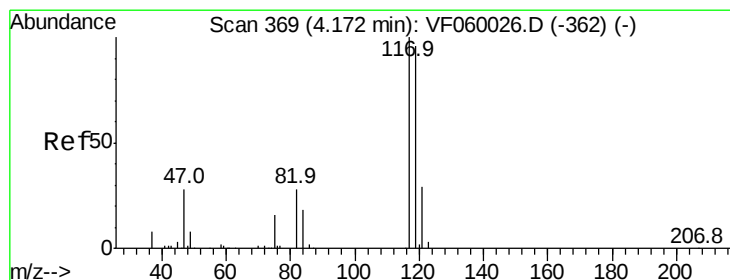
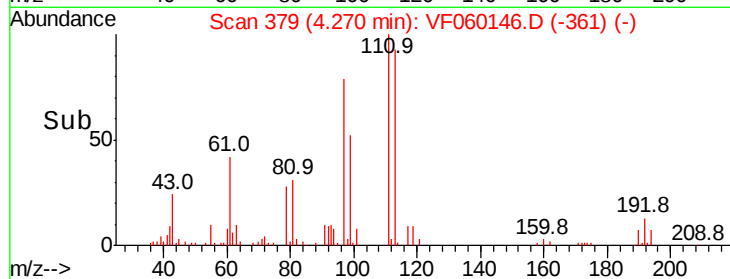
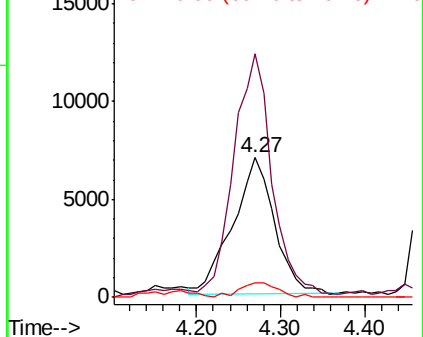
#37
Ethyl Acetate
Concen: 20.007 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion: 43 Resp: 24393
Ion Ratio Lower Upper
43 100
61 174.2 101.5 152.3#
70 10.2 6.4 9.6#

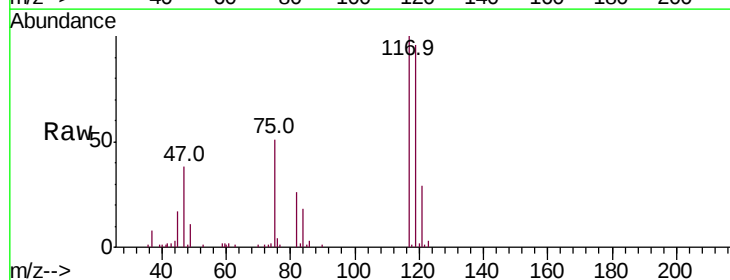


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

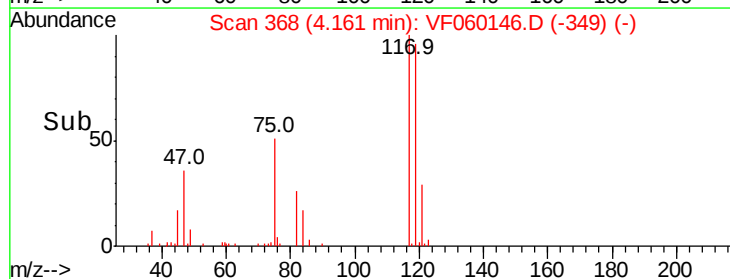
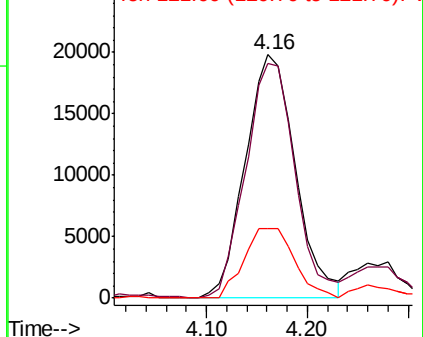


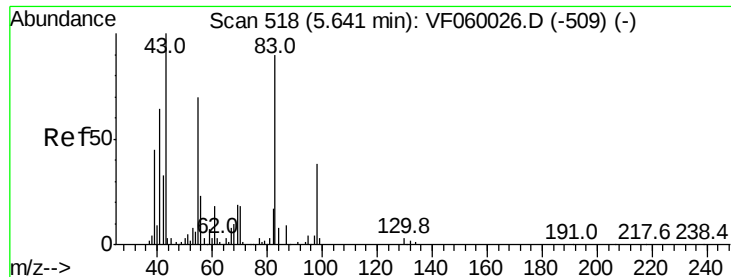
#38
Carbon Tetrachloride
Concen: 29.025 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 117 Resp: 68518
Ion Ratio Lower Upper
117 100
119 96.3 76.5 114.7
121 28.7 23.0 34.6



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

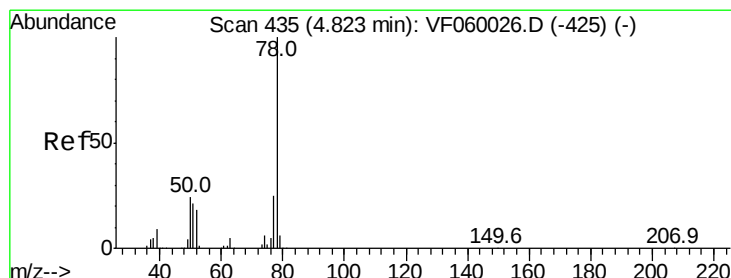
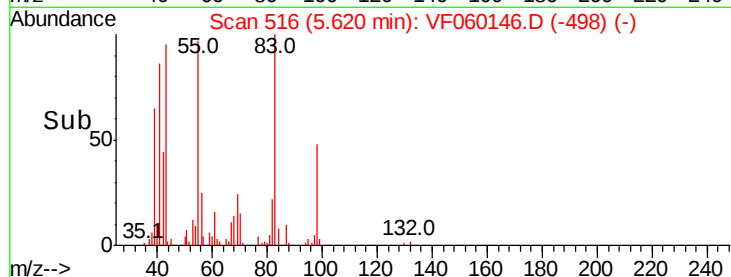
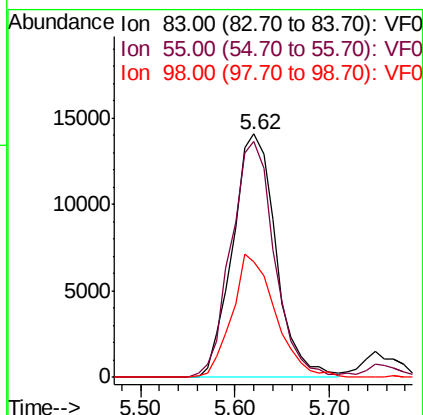
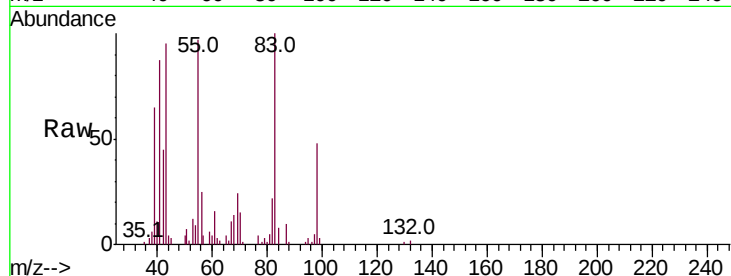




#39
Methvlcvclohexane
Concen: 23.417 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

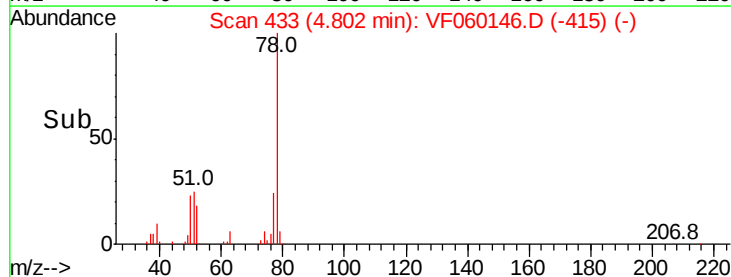
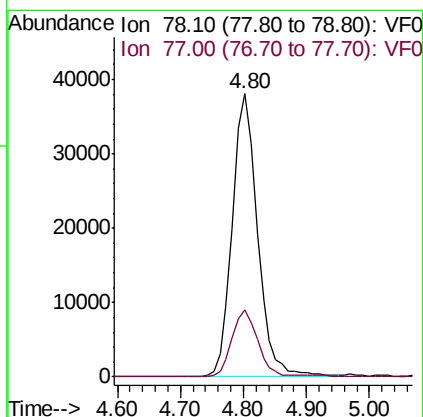
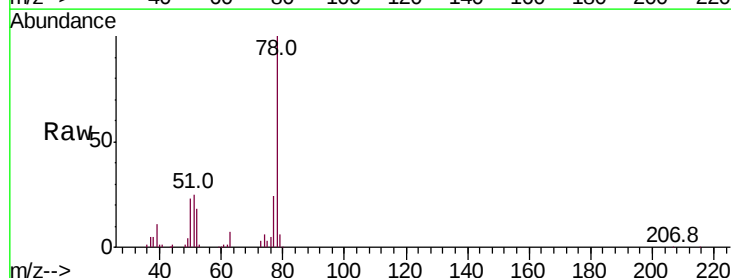
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

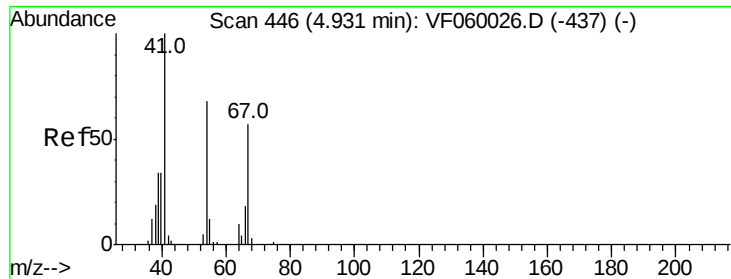
Tot Ion: 83 Resp: 44762
Ion Ratio Lower Upper
83 100
55 96.8 62.7 94.1#
98 47.6 33.8 50.8



#40
Benzene
Concen: 23.742 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 78 Resp: 105728
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6

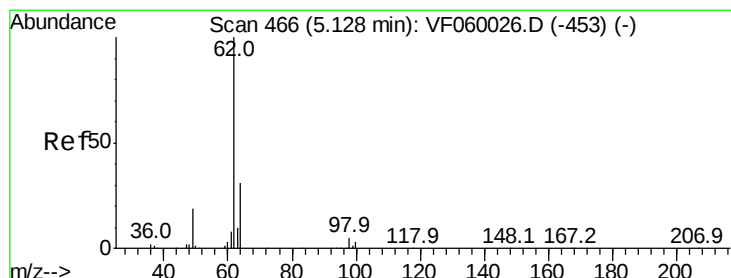
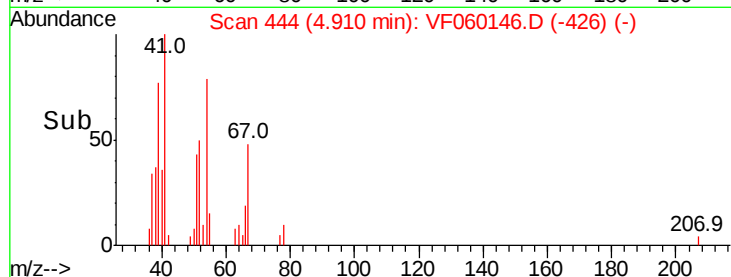
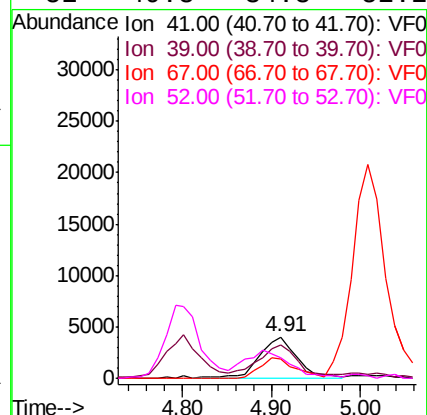
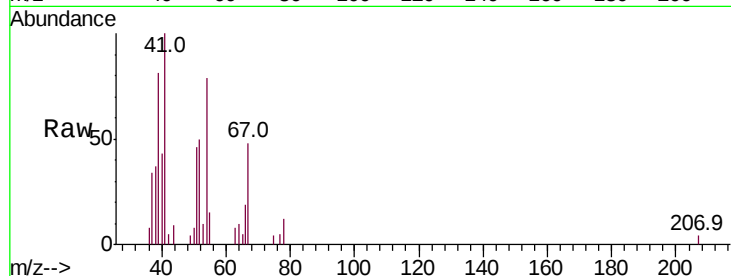




#41
Methacrylonitrile
Concen: 19.277 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

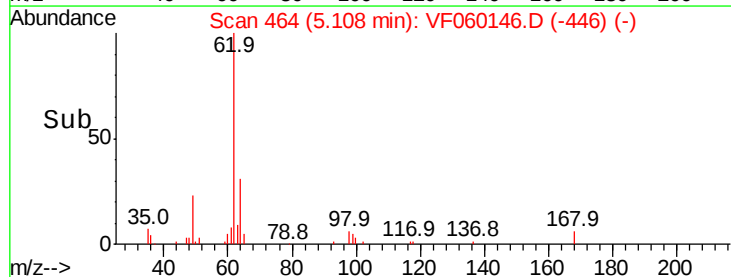
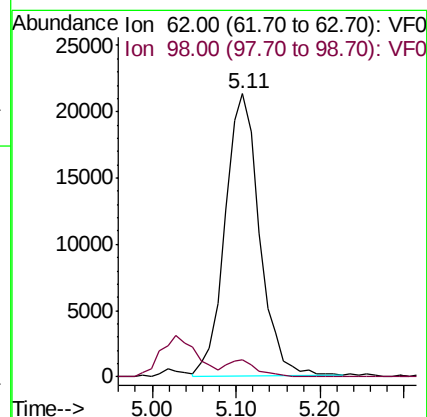
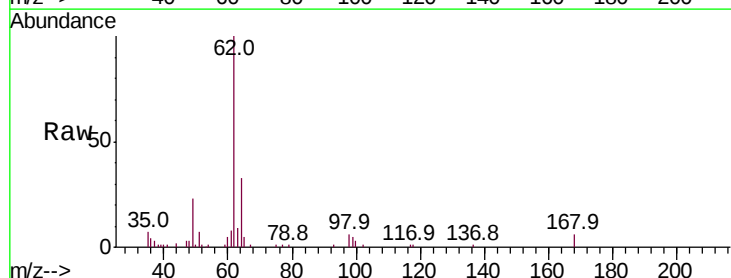
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

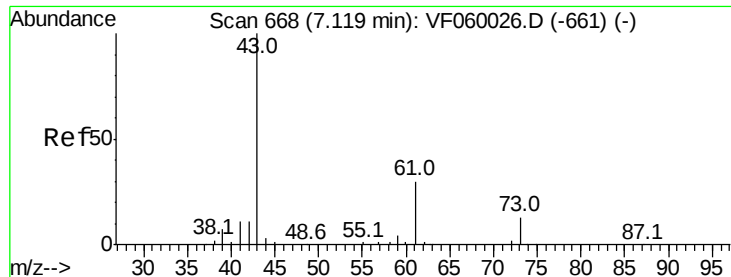
Tot Ion:	41	Resp:	11888
Ion	Ratio	Lower	Upper
41	100		
39	81.5	52.9	79.3#
67	48.0	45.3	67.9
52	49.8	34.8	52.2



#42
1,2-Dichloroethane
Concen: 25.334 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion:	62	Resp:	60496
Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	11.2



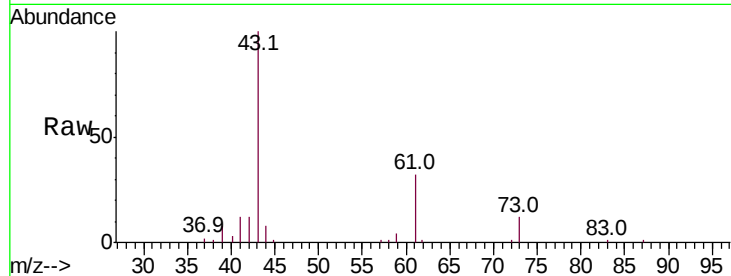


#43

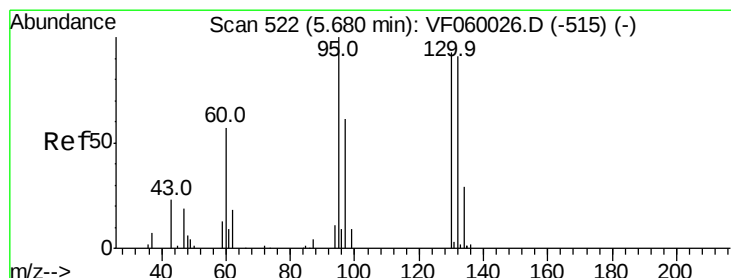
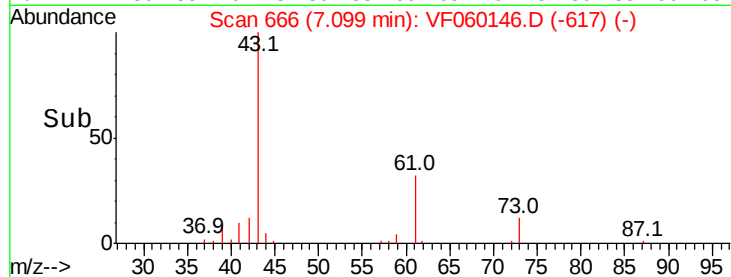
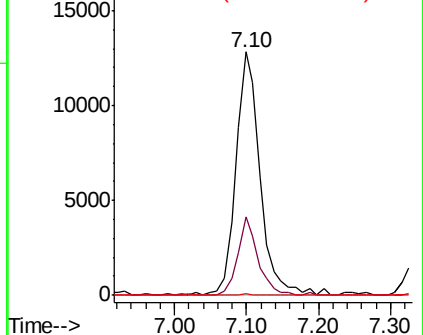
Isopropyl Acetate
 Concen: 19.595 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	43	61	87
Resp	30069		
Ratio	100	32.1	0.8
Lower		23.8	0.2
Upper		35.6	0.4



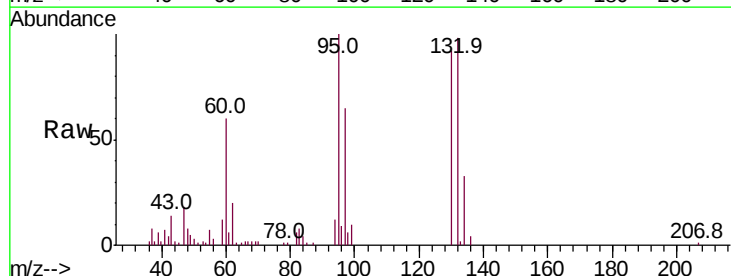
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



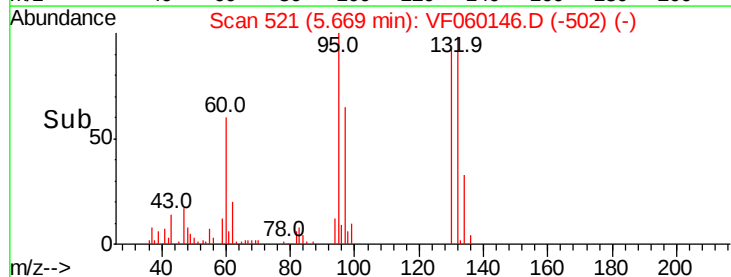
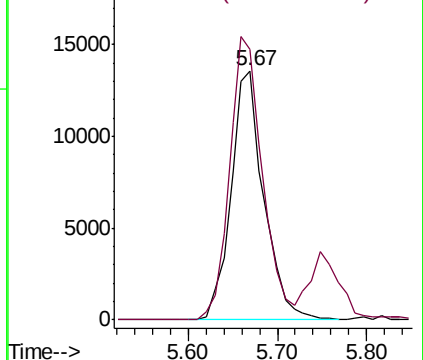
#44

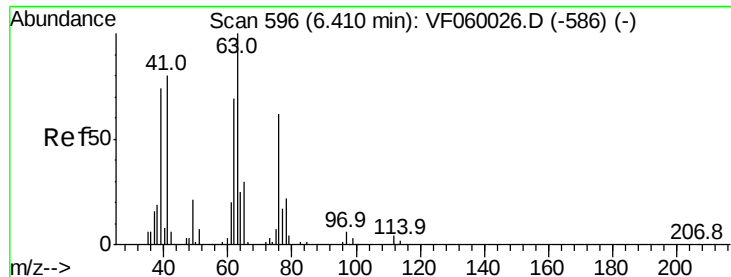
Trichloroethene
 Concen: 23.661 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	130	95
Resp	34833	
Ratio	100	108.7
Lower		0.0
Upper		215.8



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





#45

1,2-Dichloropropane

Concen: 23.963 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

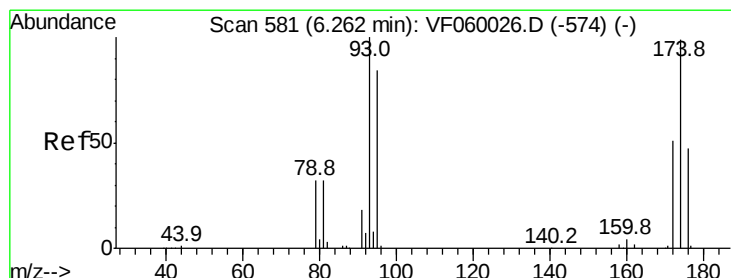
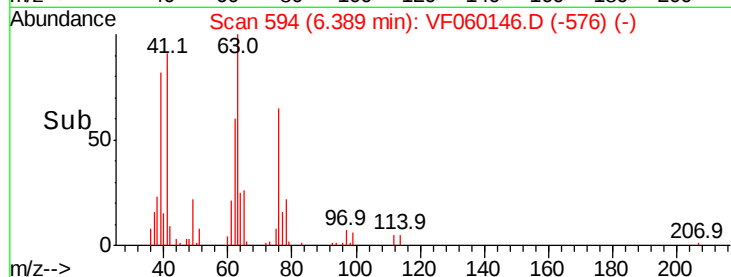
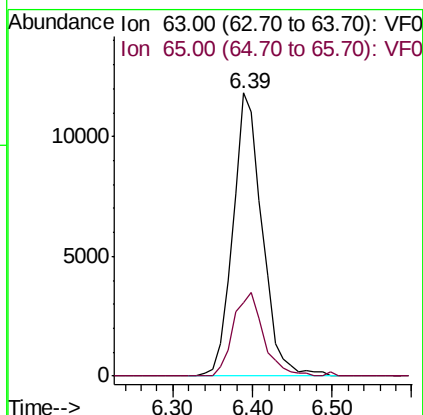
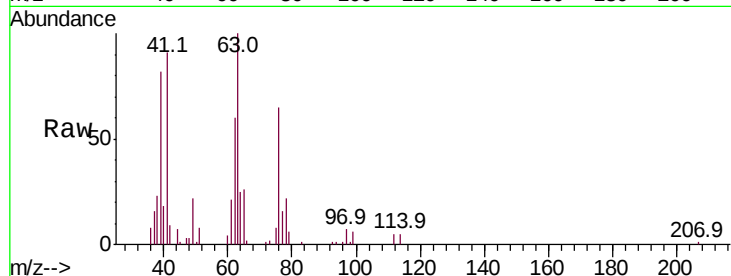
VF0828SBS01

Tot Ion: 63 Resp: 30186

Ion Ratio Lower Upper

63 100

65 26.1 23.8 35.6



#46

Dibromomethane

Concen: 24.457 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

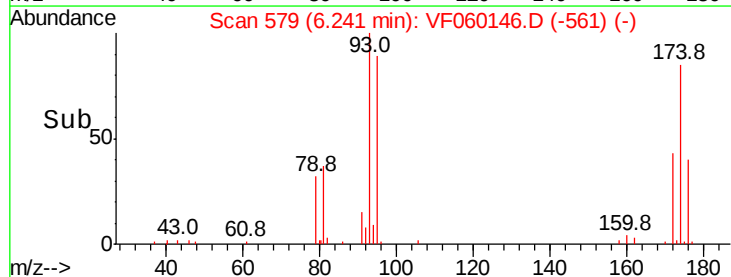
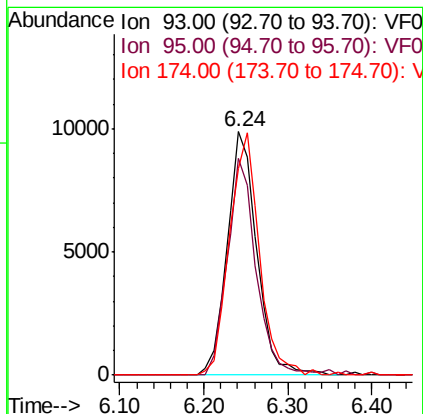
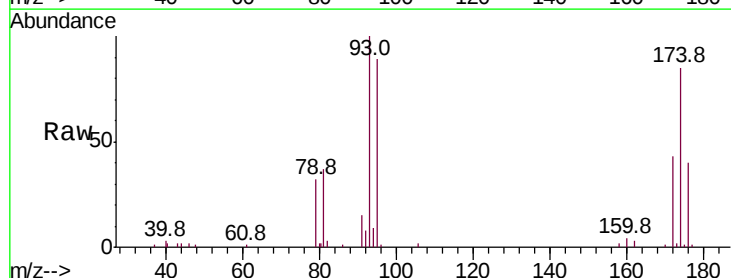
Tgt Ion: 93 Resp: 24107

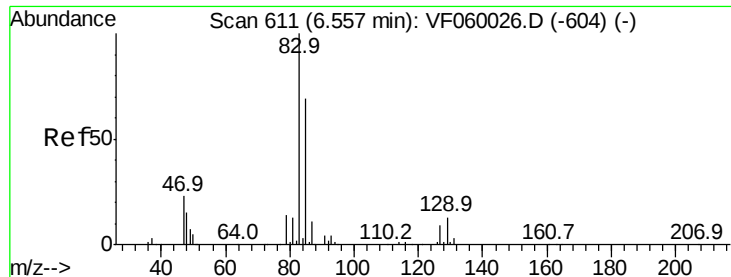
Ion Ratio Lower Upper

93 100

95 90.4 67.1 100.7

174 84.9 79.0 118.4





#47

Bromodichloromethane

Concen: 26.362 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

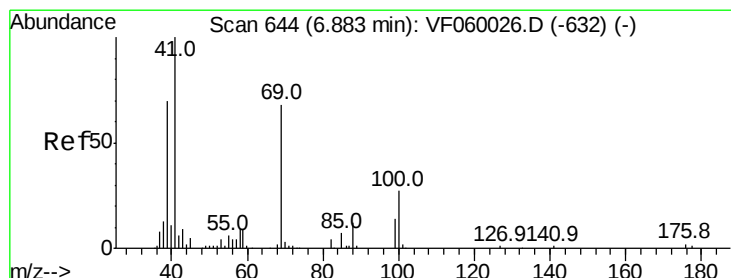
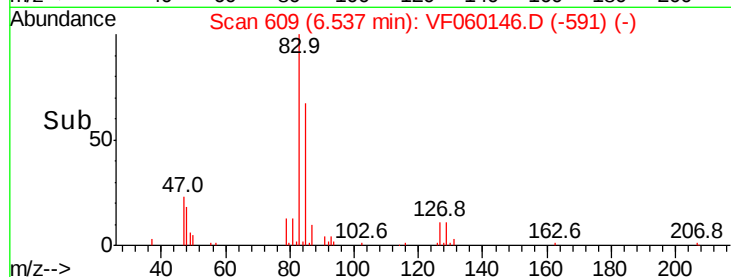
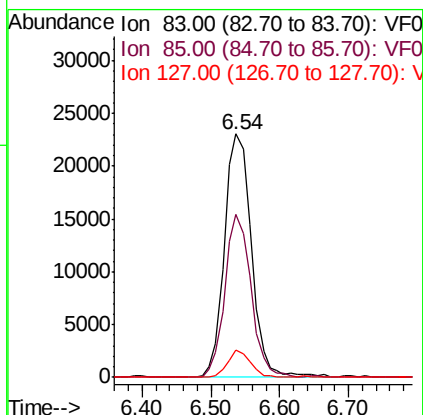
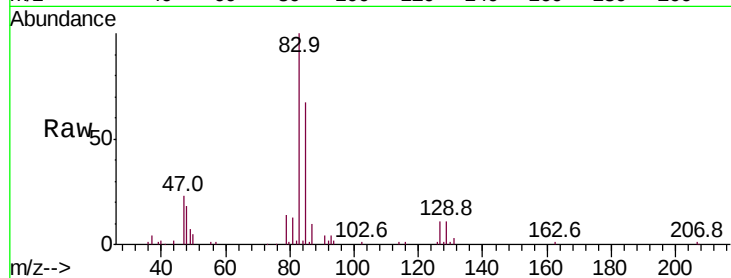
Tot Ion: 83 Resp: 62763

Ion Ratio Lower Upper

83 100

85 67.1 55.2 82.8

127 11.1 7.3 10.9#



#48

Methyl methacrylate

Concen: 18.643 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

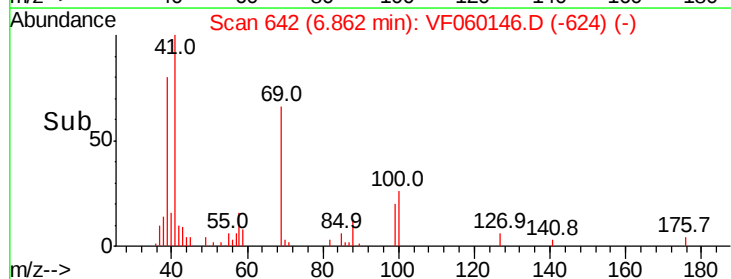
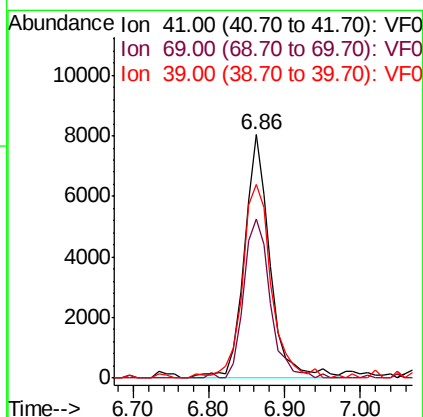
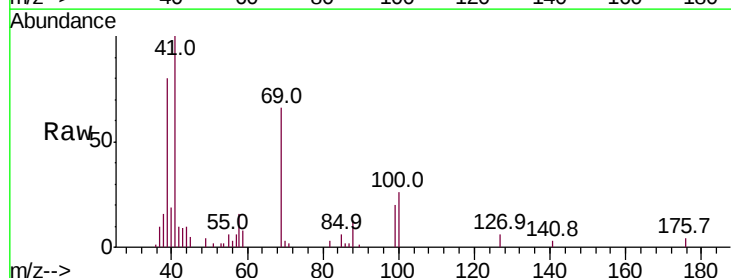
Tgt Ion: 41 Resp: 18931

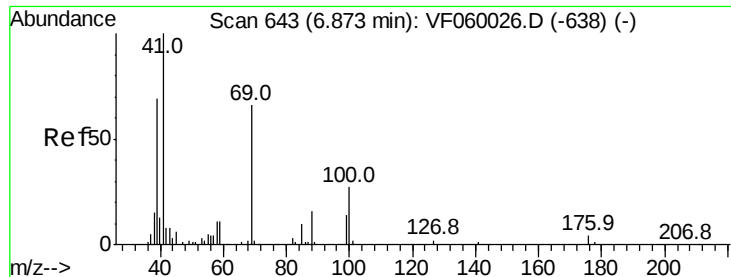
Ion Ratio Lower Upper

41 100

69 65.6 54.6 81.8

39 79.7 56.5 84.7





#49

1,4-Dioxane

Concen: 400.397 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

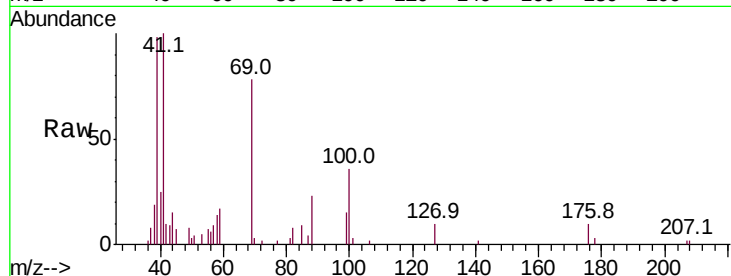
Tot Ion: 88 Resp: 3903

Ion Ratio Lower Upper

88 100

43 40.4 46.5 69.7#

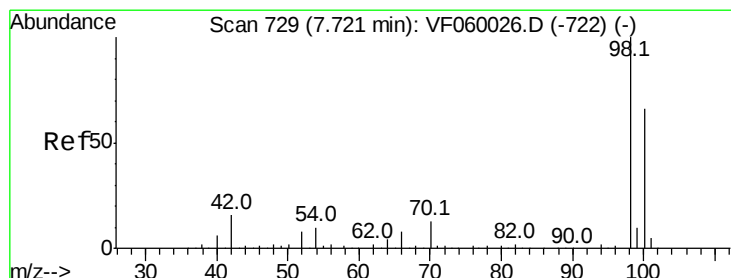
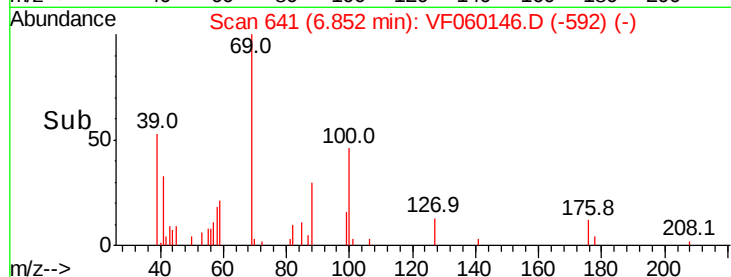
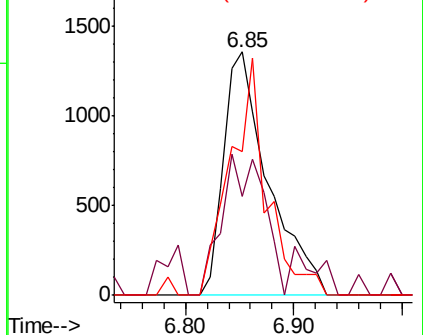
58 59.1 54.8 82.2



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: 52.981 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060146.D

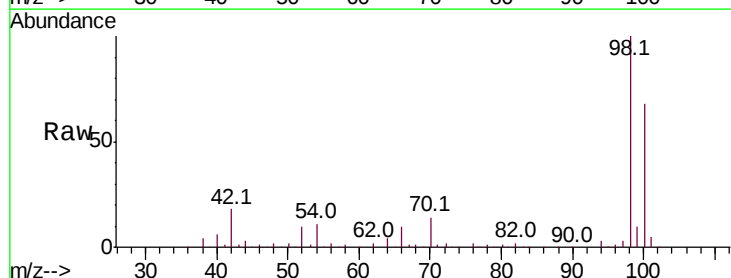
Acq: 28 Aug 2018 13:33

Tgt Ion: 98 Resp: 256314

Ion Ratio Lower Upper

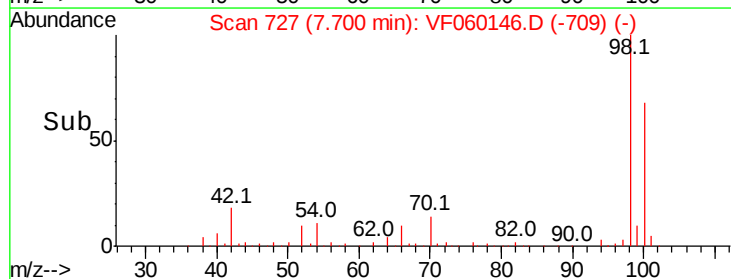
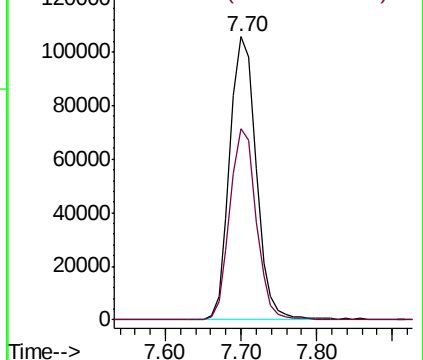
98 100

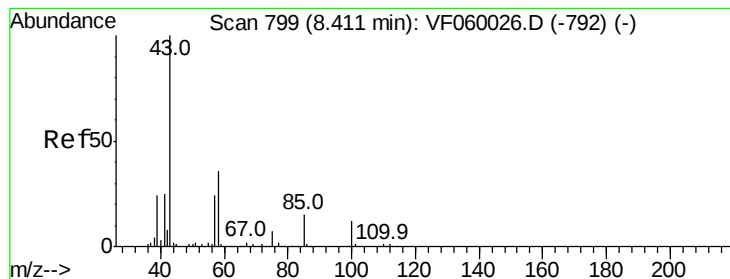
100 67.6 53.2 79.8



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: 109.153 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

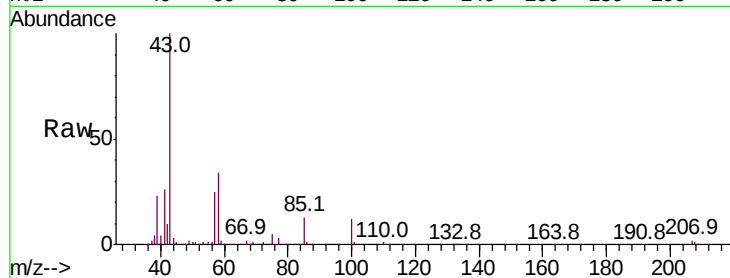
VF0828SBS01

Tot Ion: 43 Resp: 144642

Ion Ratio Lower Upper

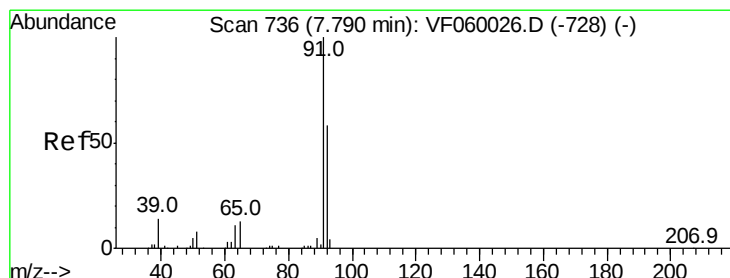
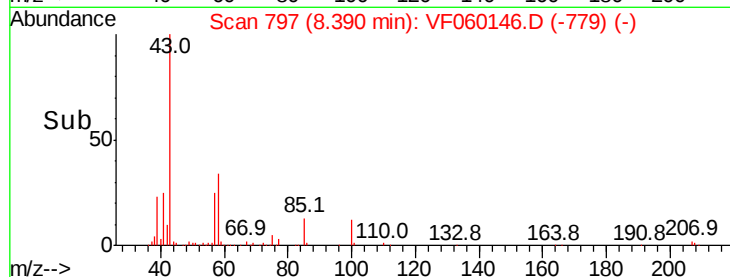
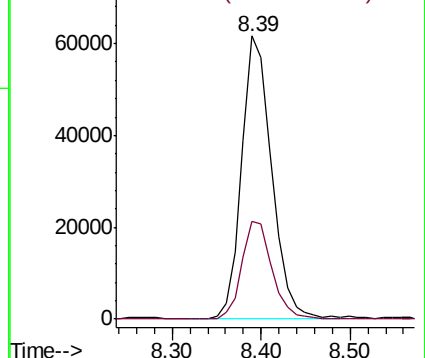
43 100

58 34.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 25.255 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060146.D

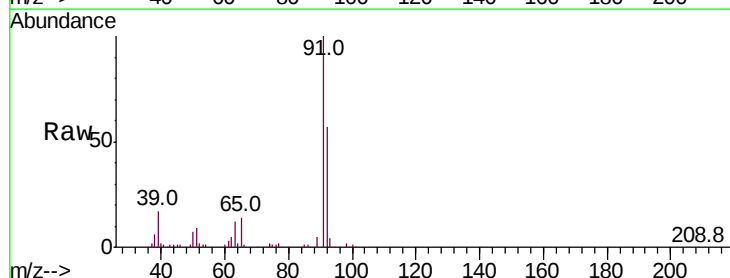
Acq: 28 Aug 2018 13:33

Tgt Ion: 92 Resp: 79306

Ion Ratio Lower Upper

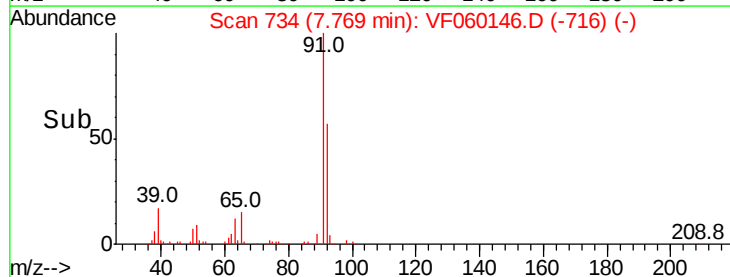
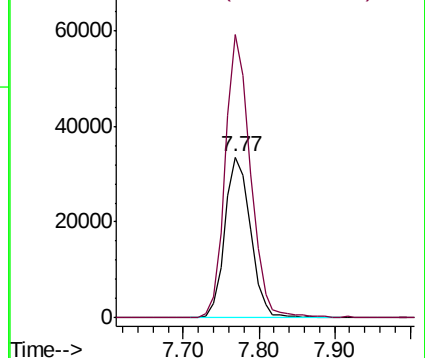
92 100

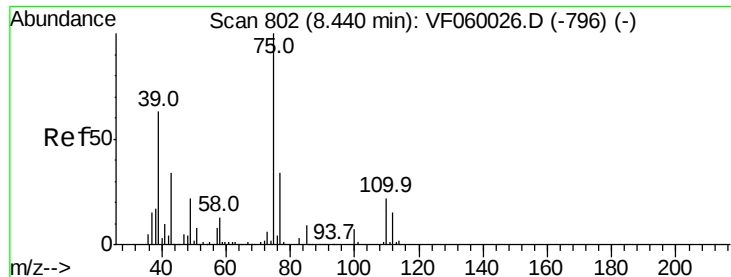
91 176.4 137.7 206.5



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: 26.242 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

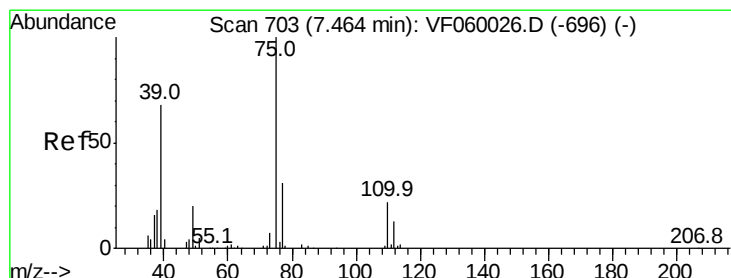
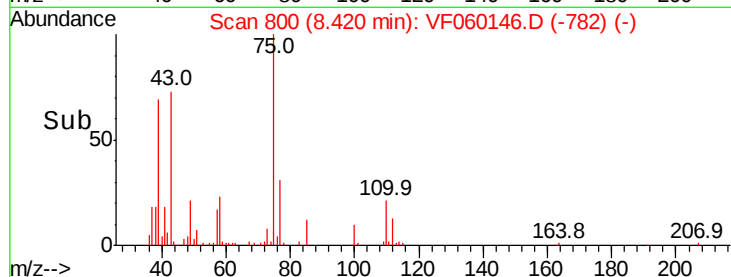
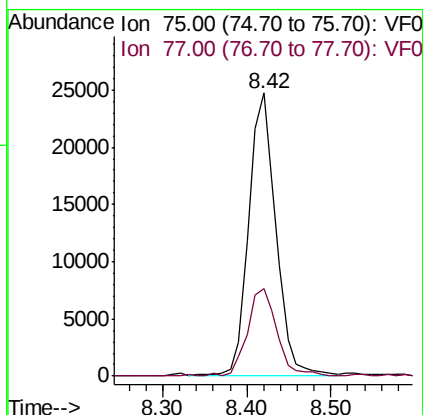
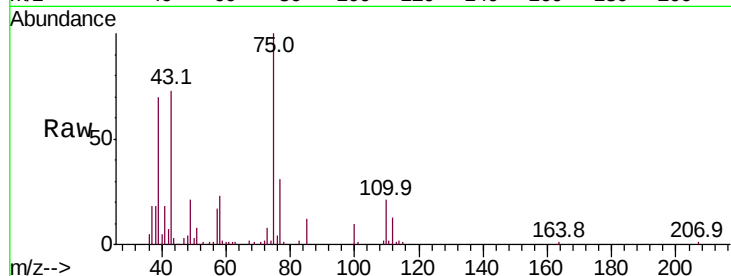
VF0828SBS01

Tot Ion: 75 Resp: 56656

Ion Ratio Lower Upper

75 100

77 31.1 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 22.562 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

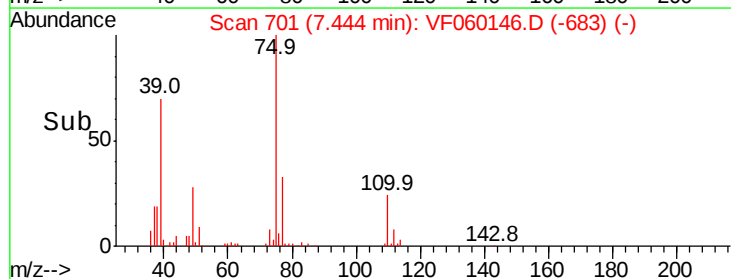
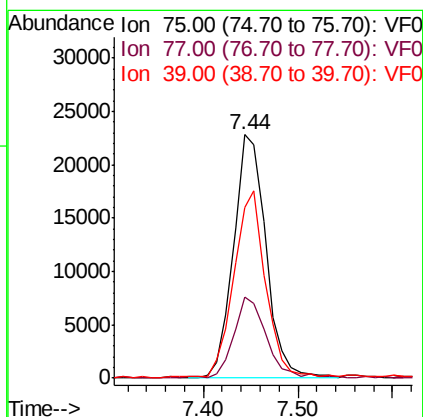
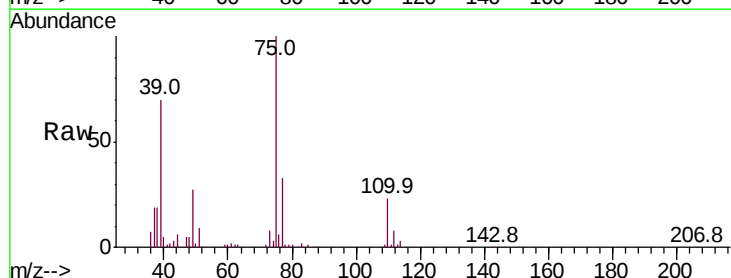
Tgt Ion: 75 Resp: 54366

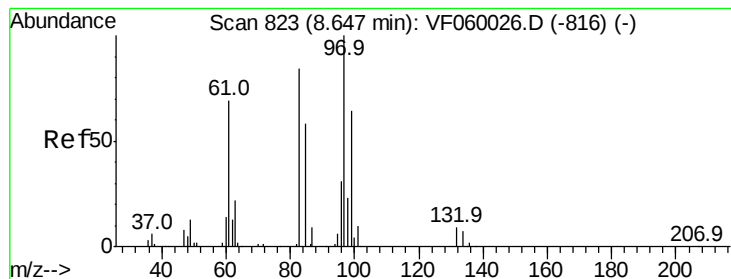
Ion Ratio Lower Upper

75 100

77 33.2 24.6 37.0

39 69.9 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 21.566 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 97 Resp: 25914

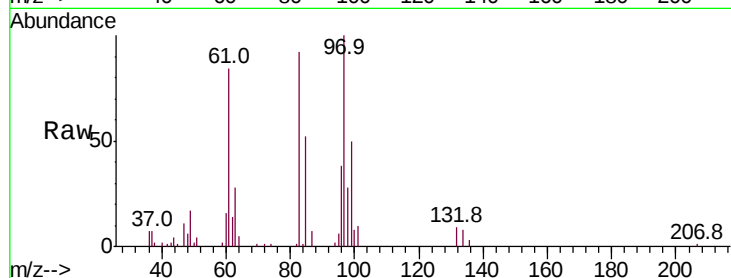
Ion Ratio Lower Upper

97 100

83 91.6 67.4 101.2

85 52.1 46.2 69.2

99 50.4 51.1 76.7#

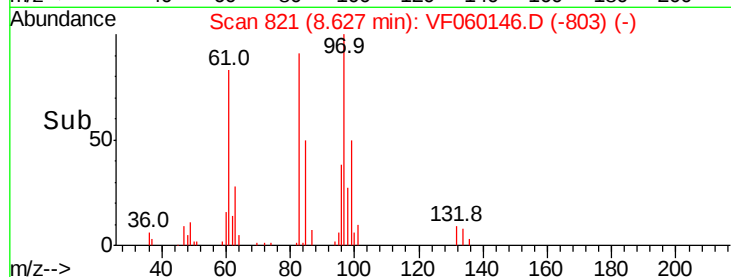
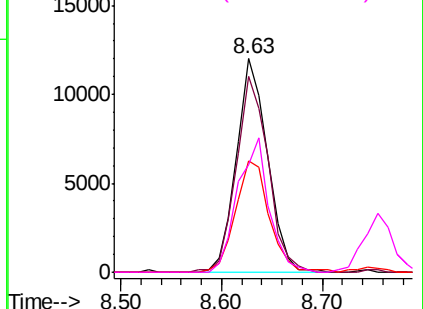


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.506 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

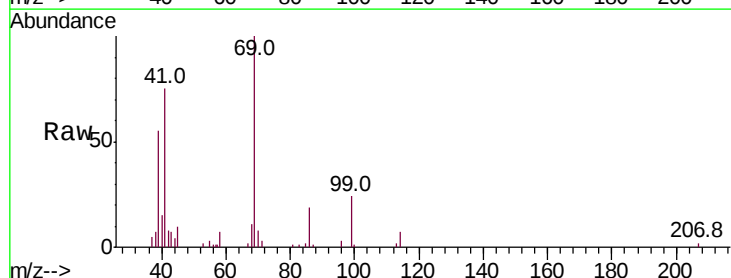
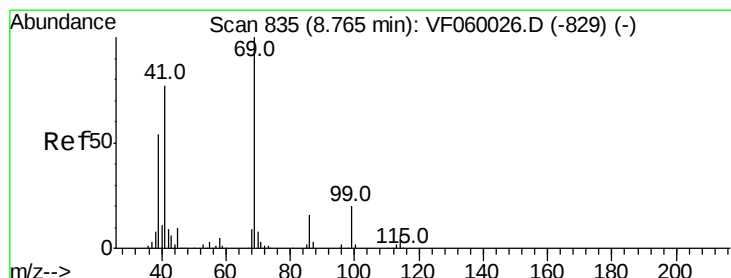
Tgt Ion: 69 Resp: 31279

Ion Ratio Lower Upper

69 100

41 75.5 61.6 92.4

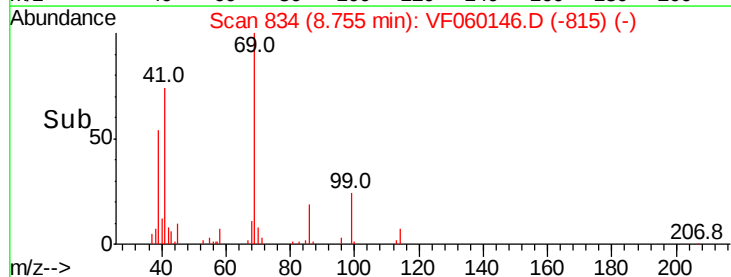
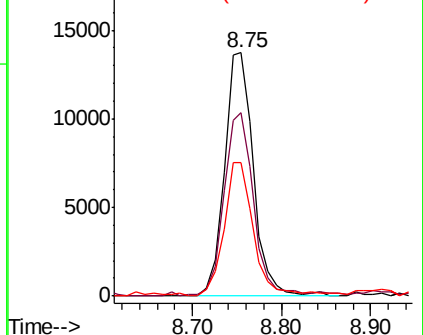
39 54.9 43.9 65.9

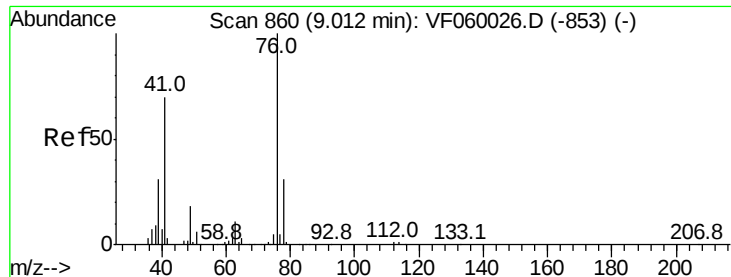


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.982 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

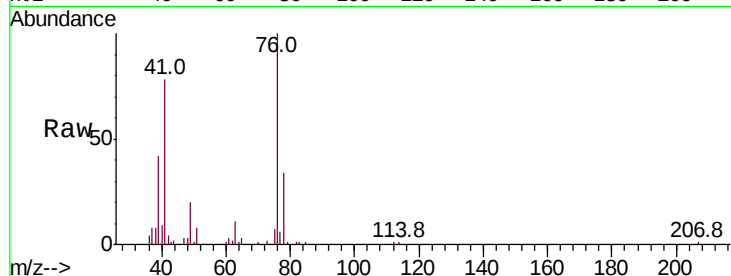
VF0828SBS01

Tot Ion: 76 Resp: 48538

Ion Ratio Lower Upper

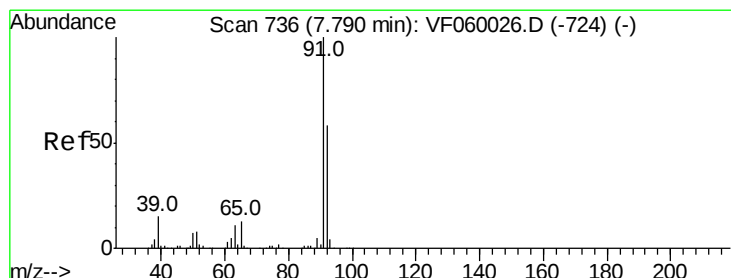
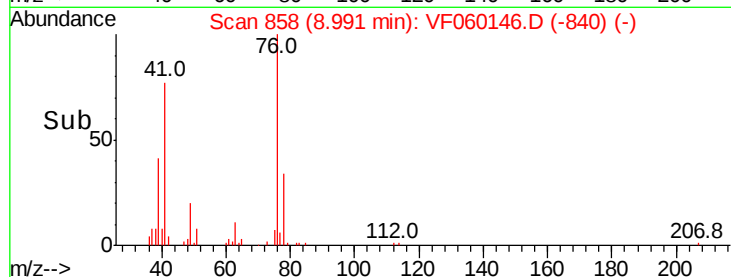
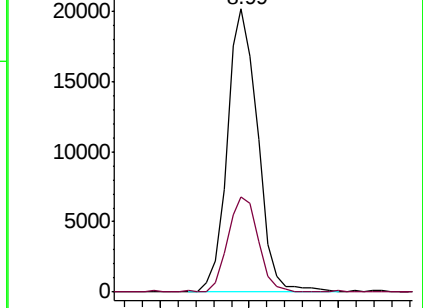
76 100

78 33.7 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 144.123 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060146.D

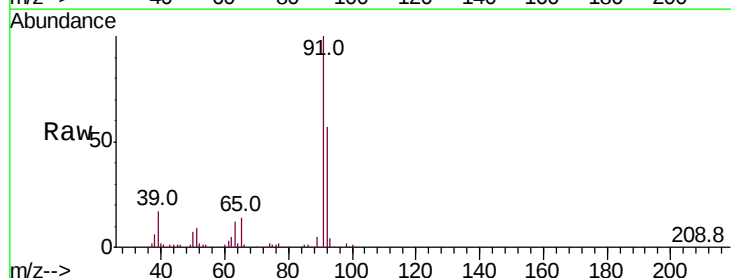
Acq: 28 Aug 2018 13:33

Tgt Ion: 63 Resp: 16639

Ion Ratio Lower Upper

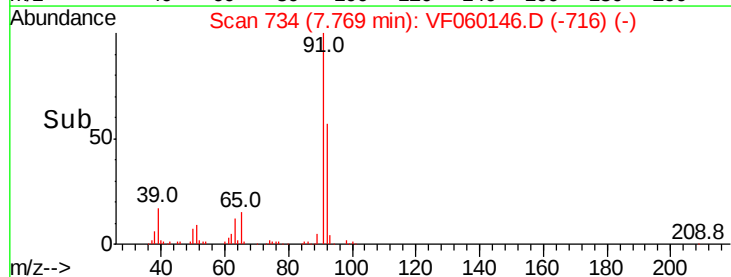
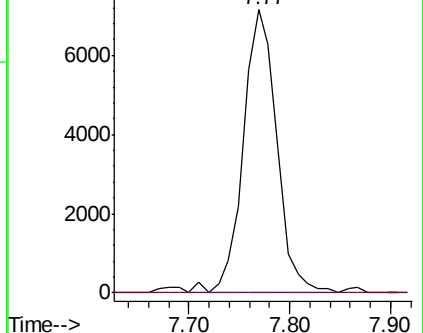
63 100

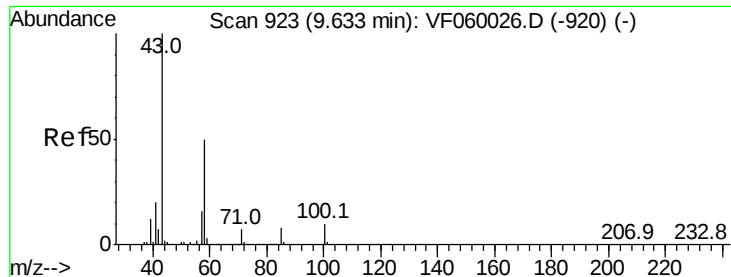
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

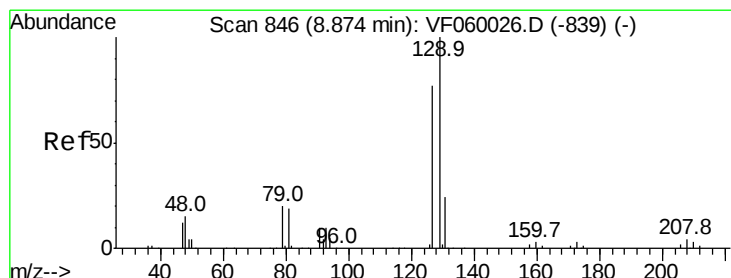
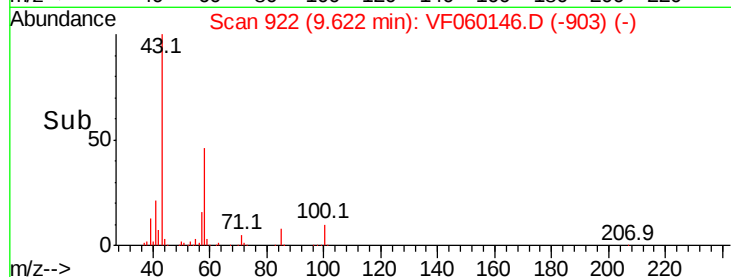
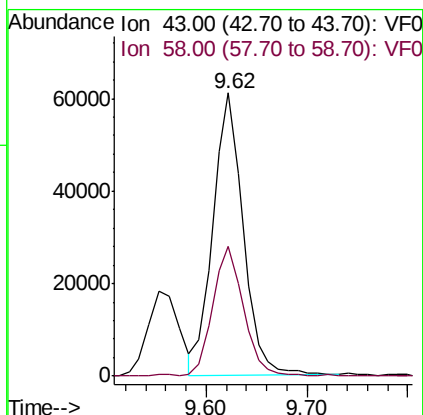
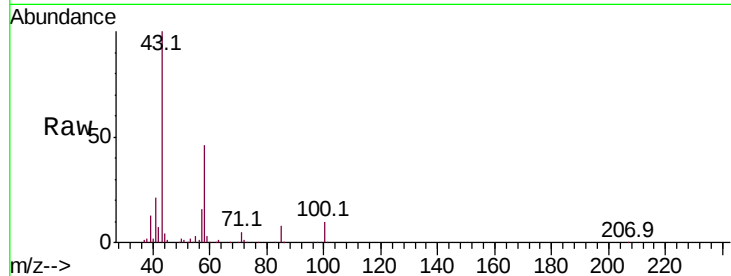




#59
2-Hexanone
Concen: 118.803 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

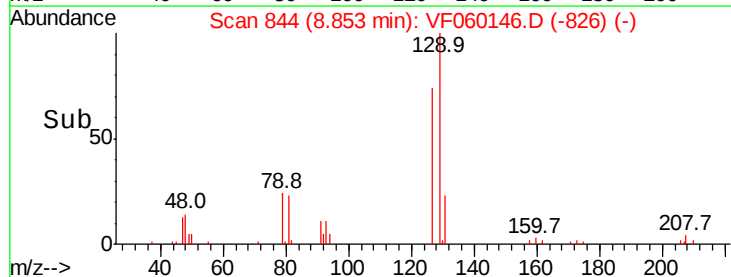
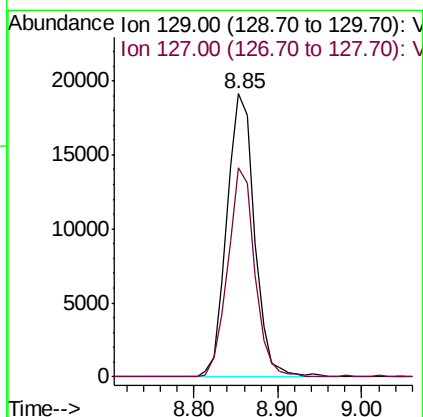
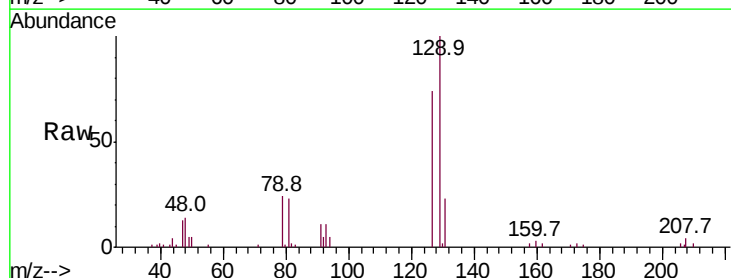
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

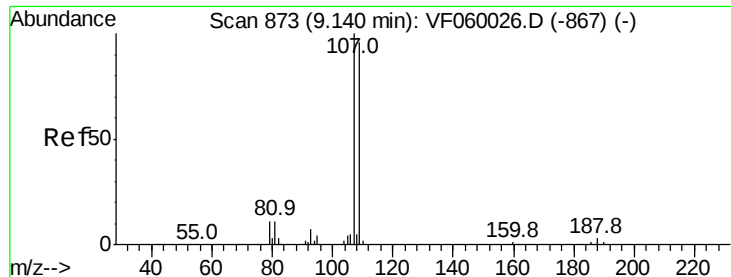
Tot Ion: 43 Resp: 127418
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.2



#60
Dibromochloromethane
Concen: 24.657 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 129 Resp: 43738
Ion Ratio Lower Upper
129 100
127 73.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 25.196 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

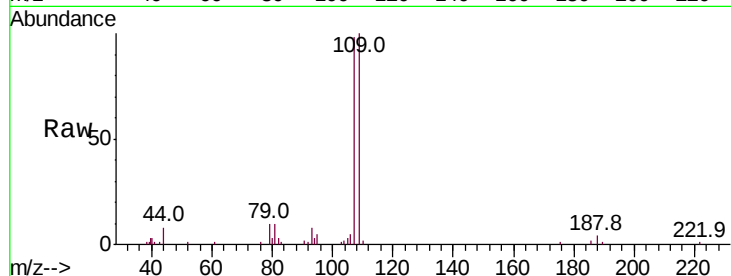
VF0828SBS01

Tot Ion:107 Resp: 35556

Ion Ratio Lower Upper

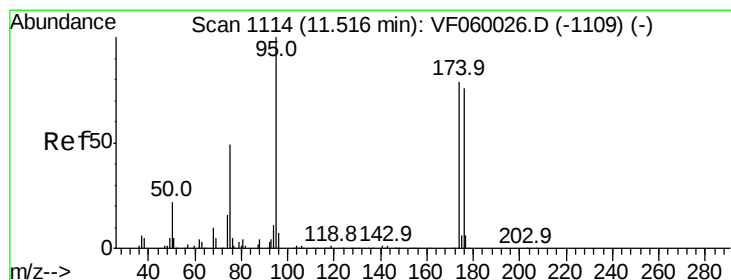
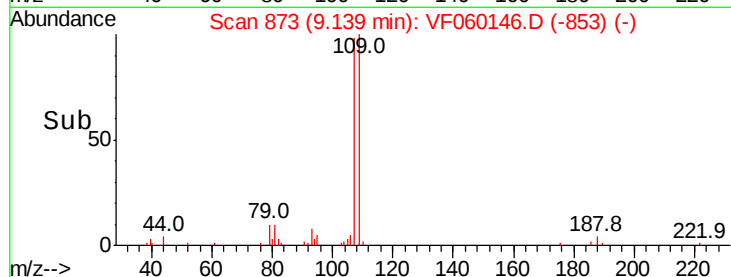
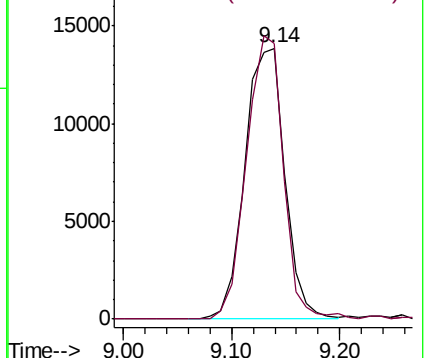
107 100

109 101.8 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 59.638 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

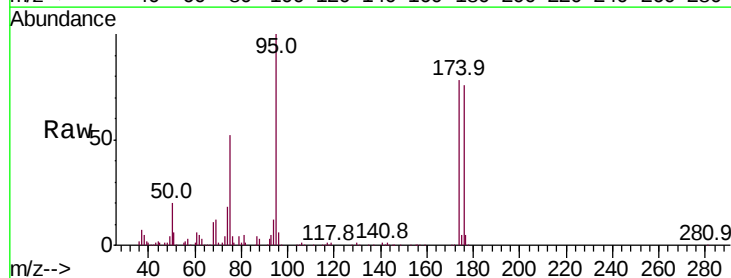
Tgt Ion: 95 Resp: 152629

Ion Ratio Lower Upper

95 100

174 77.9 0.0 158.4

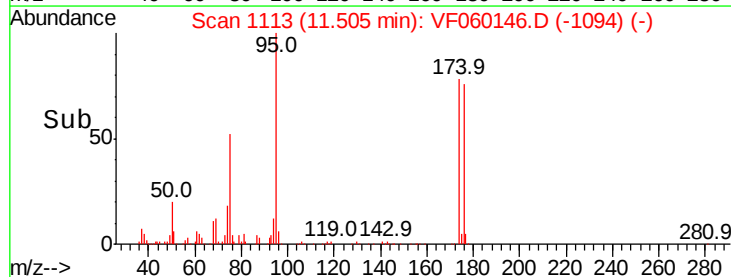
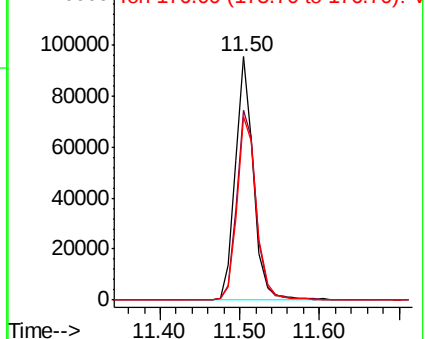
176 75.5 0.0 153.0

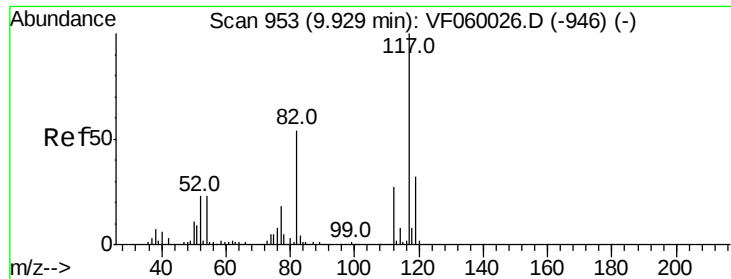


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

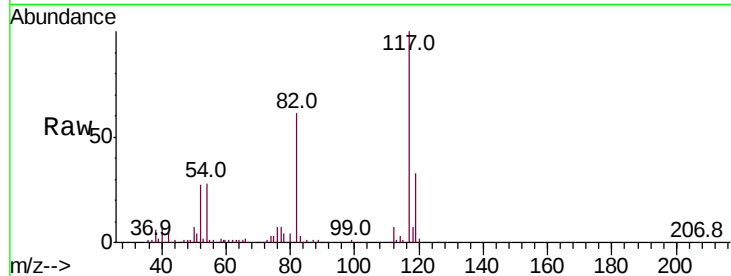
Tot Ion:117 Resp: 240195

Ion Ratio Lower Upper

117 100

82 61.3 43.6 65.4

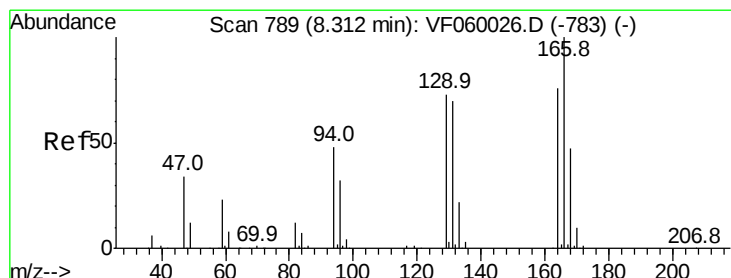
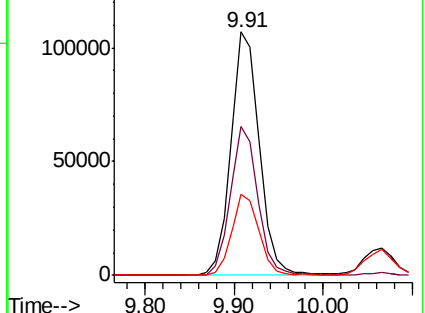
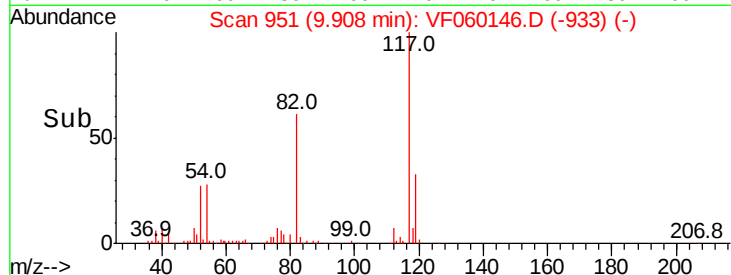
119 33.4 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 23.821 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:164 Resp: 38544

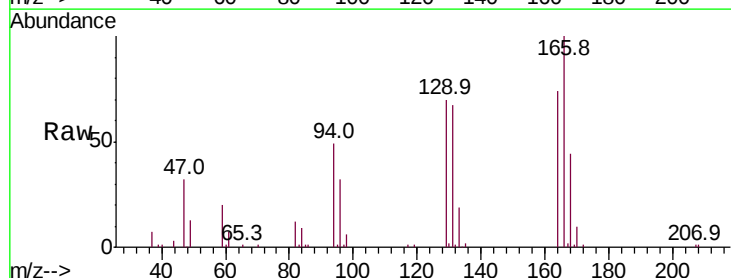
Ion Ratio Lower Upper

164 100

166 136.0 104.7 157.1

129 95.5 77.0 115.4

131 91.3 72.9 109.3

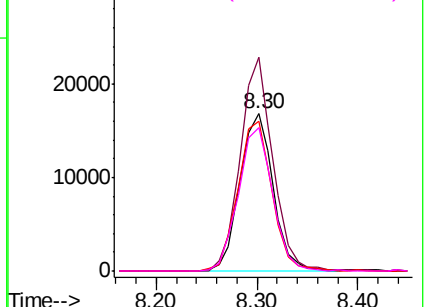
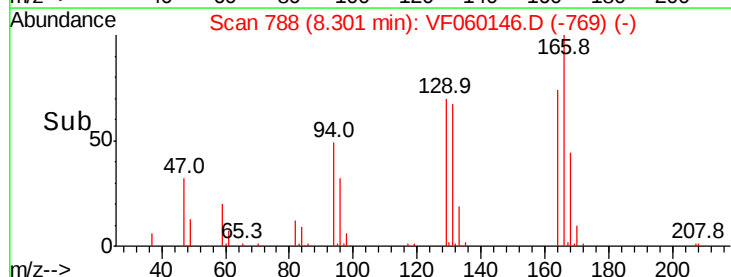


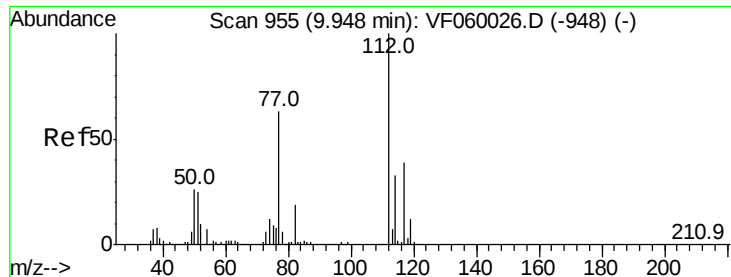
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 24.620 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

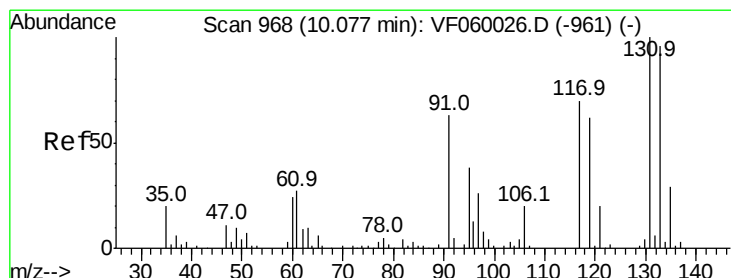
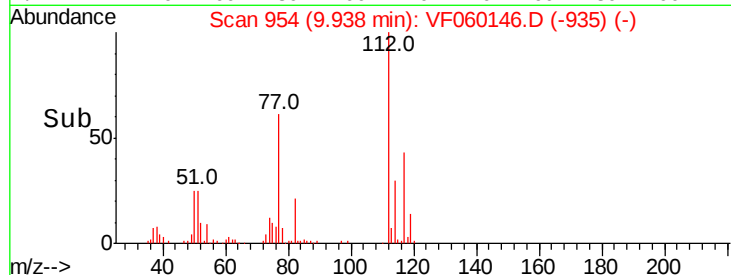
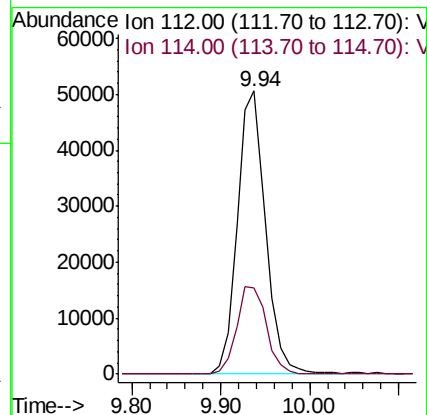
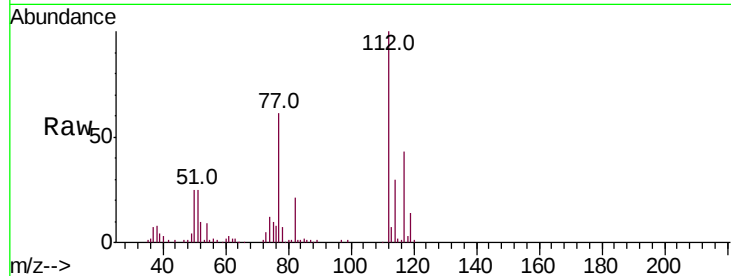
VF0828SBS01

Tot Ion:112 Resp: 111667

Ion Ratio Lower Upper

112 100

114 30.4 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 23.808 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

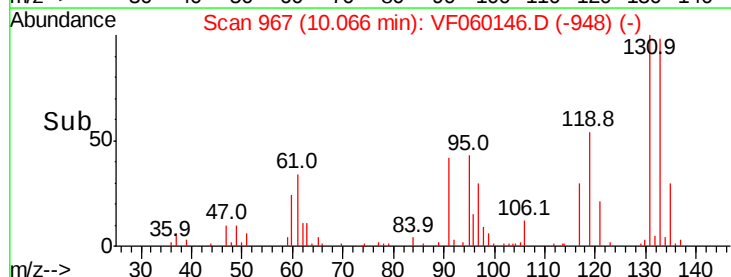
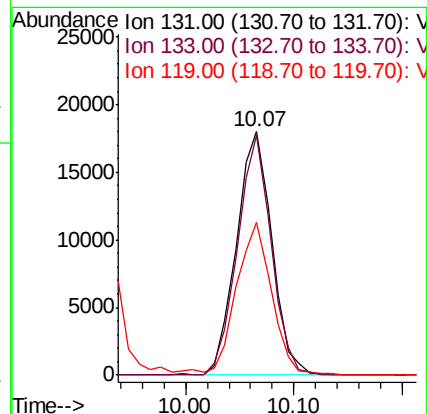
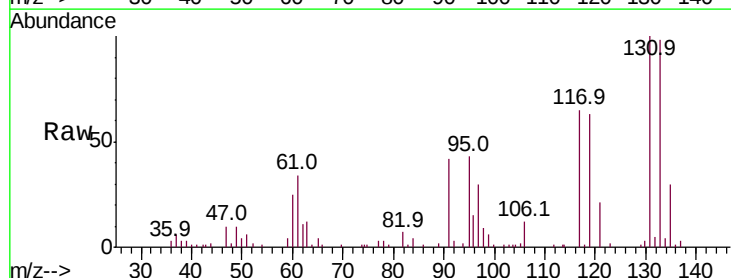
Tgt Ion:131 Resp: 40956

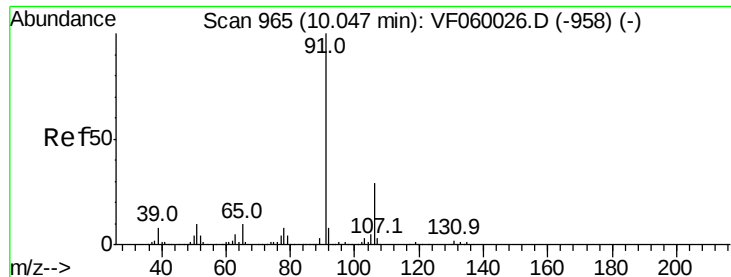
Ion Ratio Lower Upper

131 100

133 98.3 48.2 144.6

119 62.5 31.4 94.2





#67

Ethyl Benzene

Concen: 25.695 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

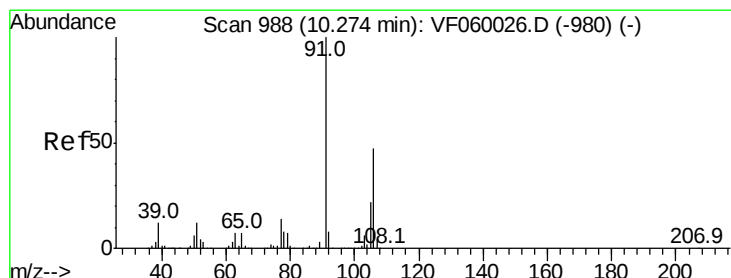
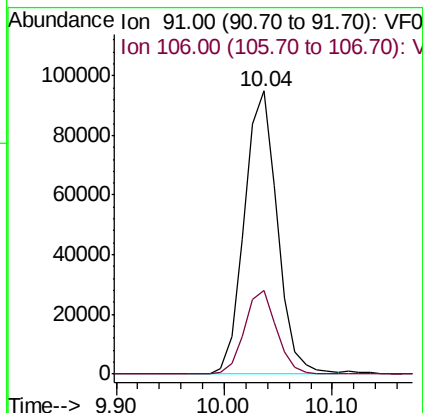
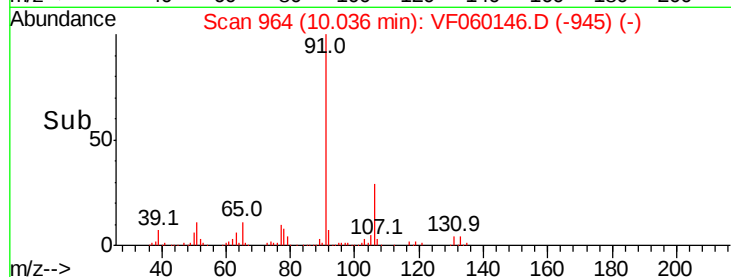
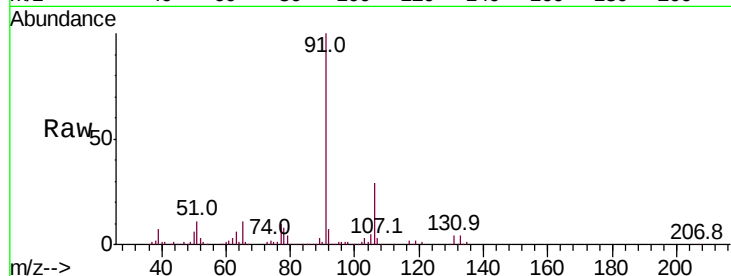
VF0828SBS01

Tot Ion: 91 Resp: 201088

Ion Ratio Lower Upper

91 100

106 29.5 23.6 35.4



#68

m/p-Xylenes

Concen: 52.147 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060146.D

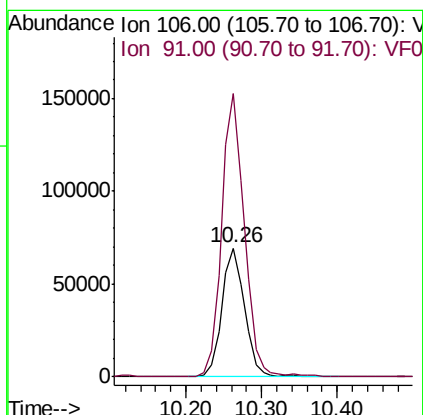
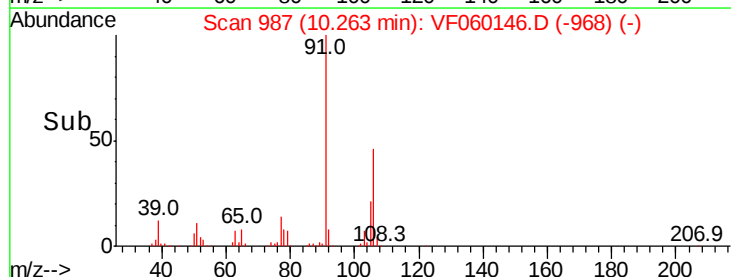
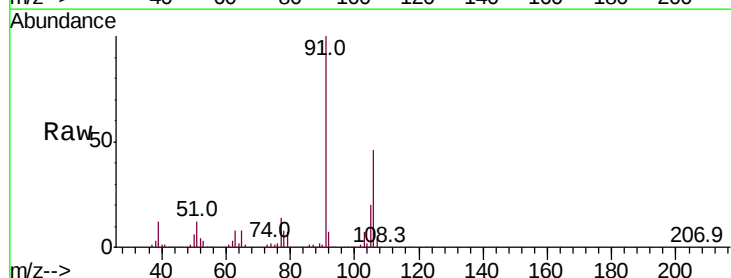
Acq: 28 Aug 2018 13:33

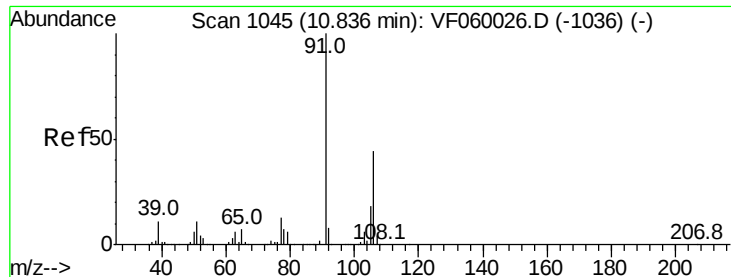
Tgt Ion:106 Resp: 145013

Ion Ratio Lower Upper

106 100

91 219.2 171.8 257.8

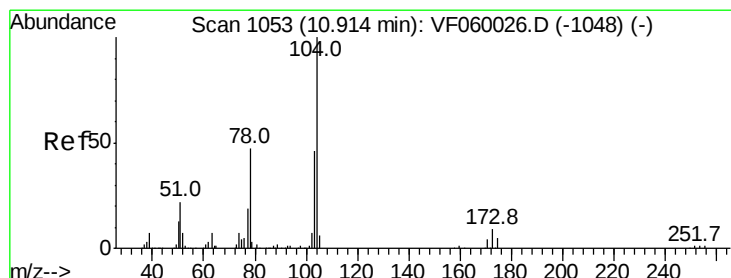
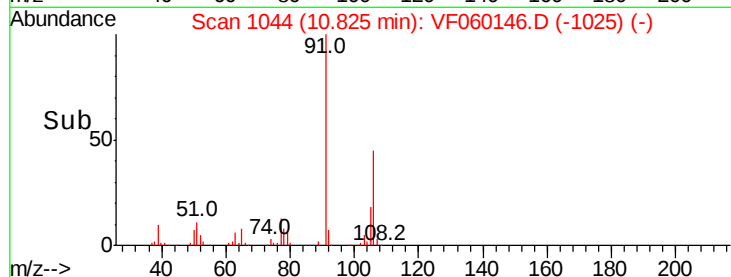
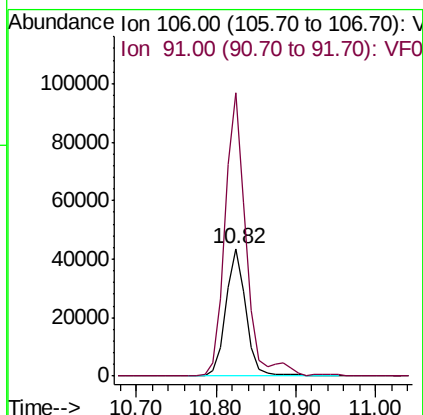
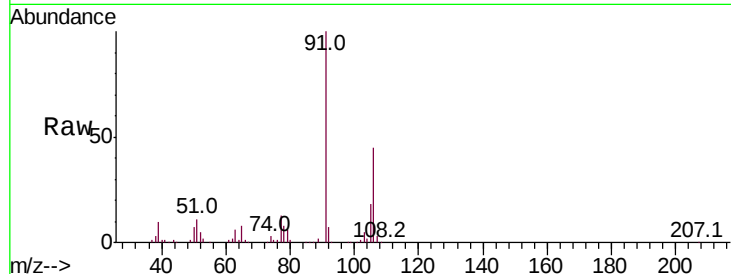




#69
o-Xylene
Concen: 25.162 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

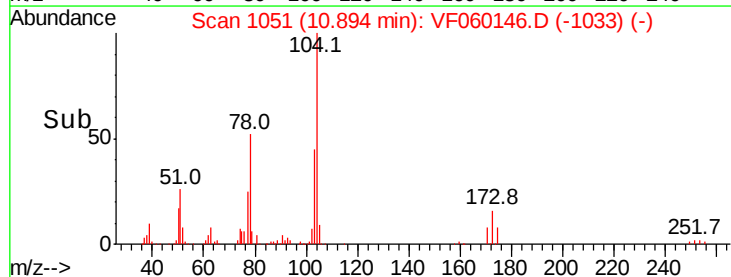
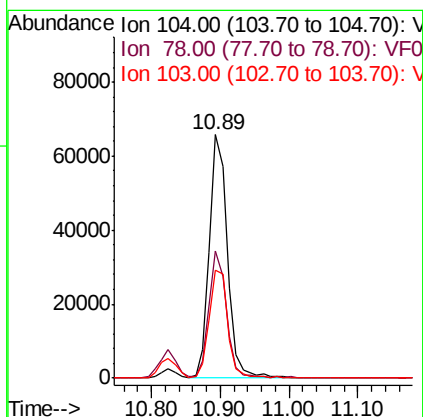
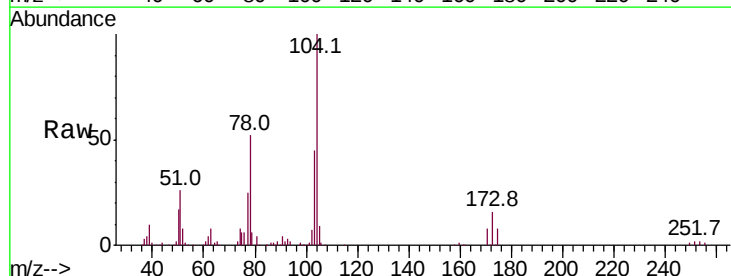
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

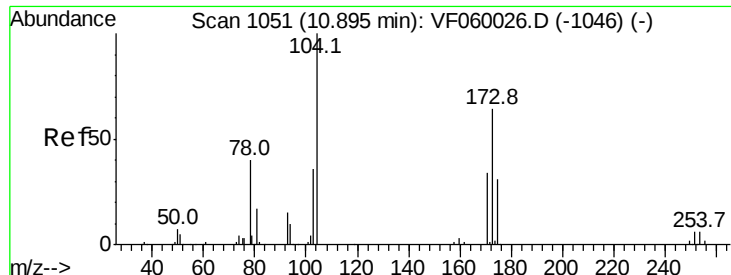
Tot Ion:106 Resp: 77150
Ion Ratio Lower Upper
106 100
91 222.1 112.5 337.5



#70
Styrene
Concen: 25.746 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion:104 Resp: 121111
Ion Ratio Lower Upper
104 100
78 52.2 38.0 57.0
103 44.6 37.6 56.4





#71

Bromoform

Concen: 22.713 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

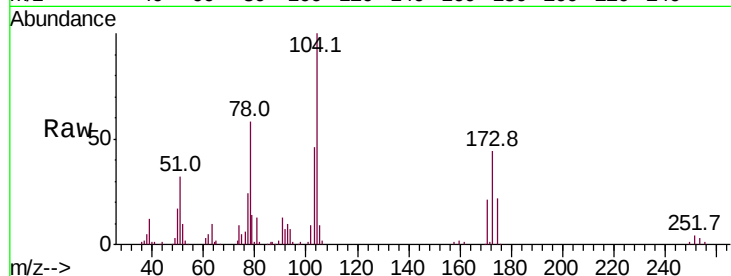
Tot Ion:173 Resp: 27260

Ion Ratio Lower Upper

173 100

175 50.6 24.7 74.1

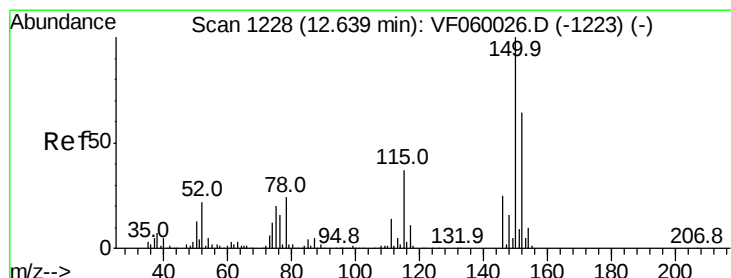
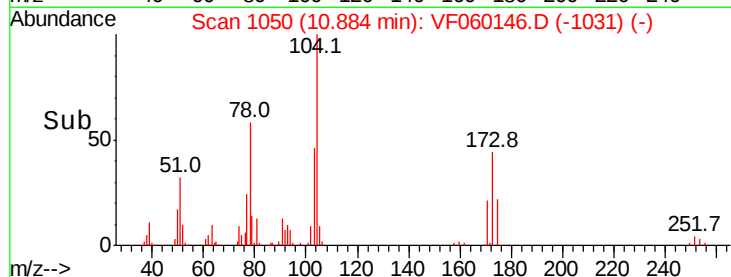
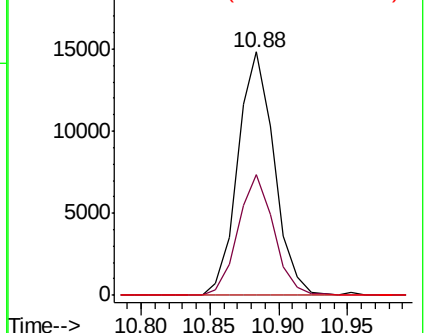
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

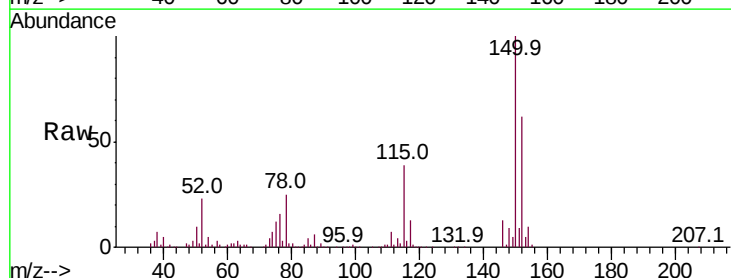
Tgt Ion:152 Resp: 150657

Ion Ratio Lower Upper

152 100

115 62.6 28.6 85.9

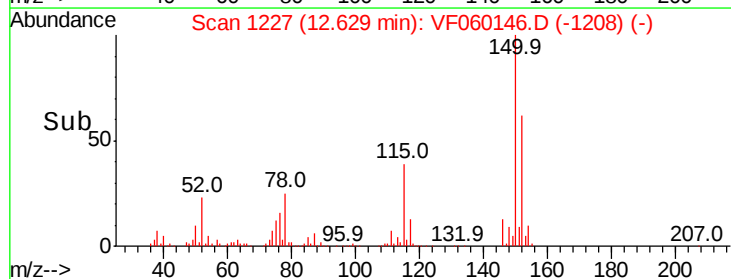
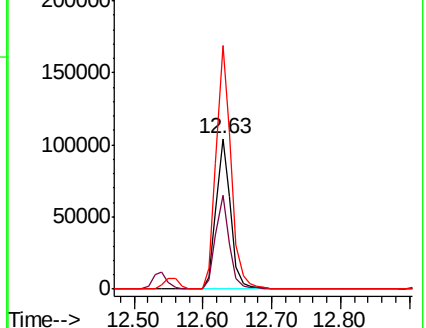
150 162.0 0.0 312.0

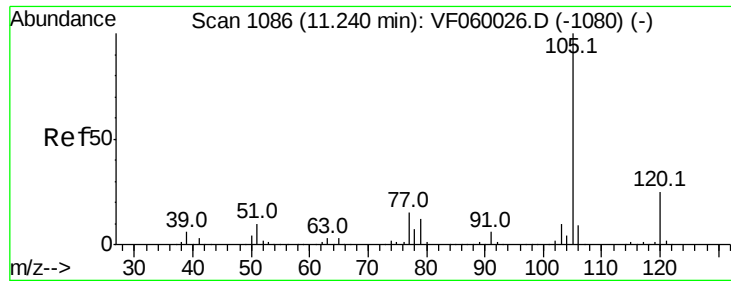


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 25.697 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

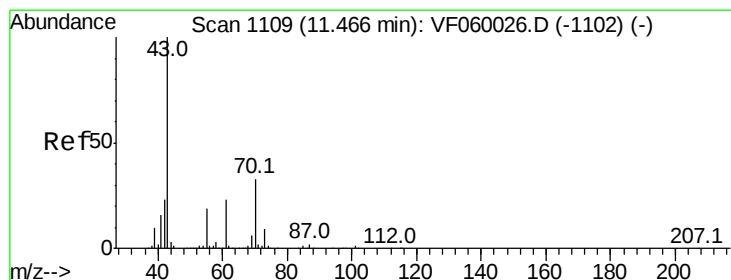
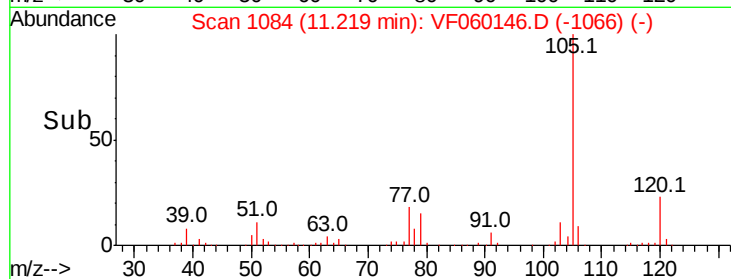
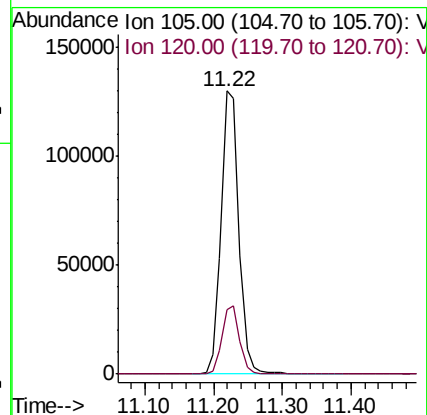
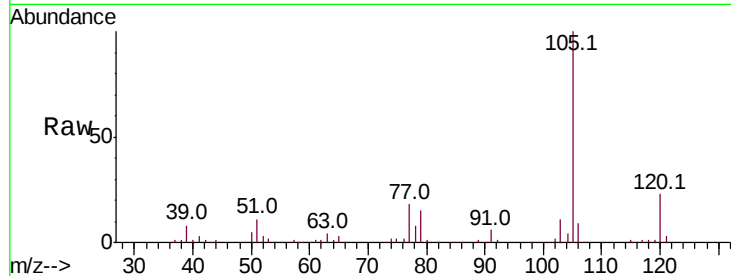
VF0828SBS01

Tot Ion:105 Resp: 233035

Ion Ratio Lower Upper

105 100

120 22.9 12.7 38.0



#74

N-ethyl acetate

Concen: 20.390 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion: 43 Resp: 57476

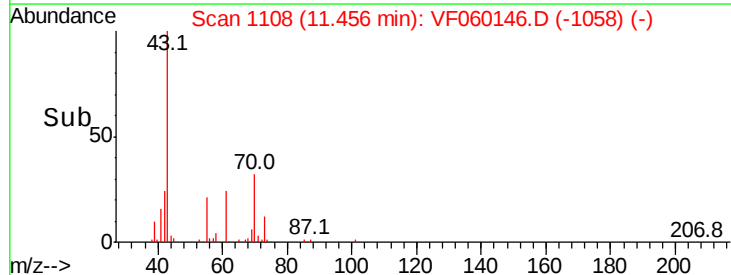
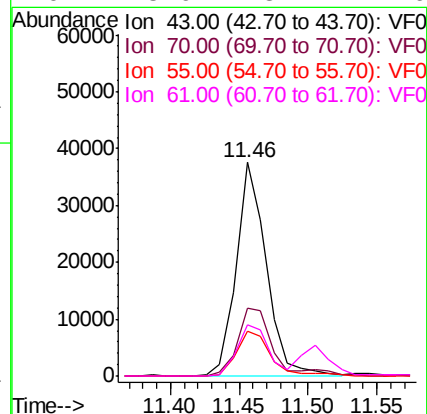
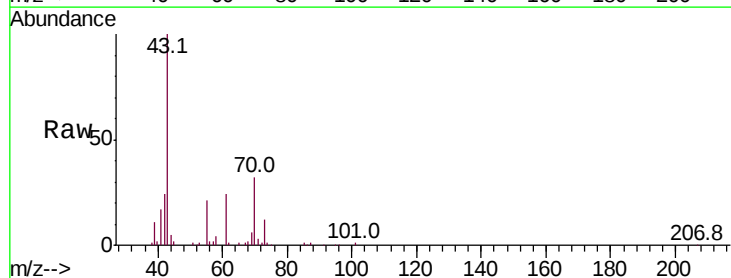
Ion Ratio Lower Upper

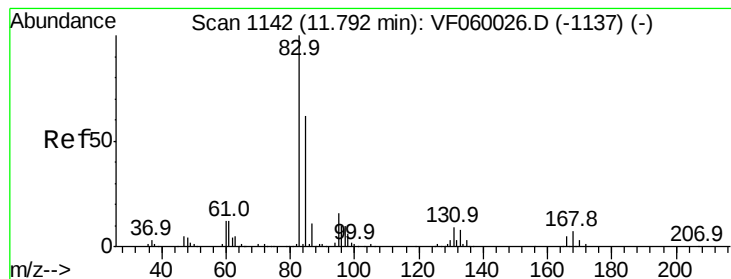
43 100

70 31.7 26.4 39.6

55 21.0 15.0 22.4

61 23.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.332 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

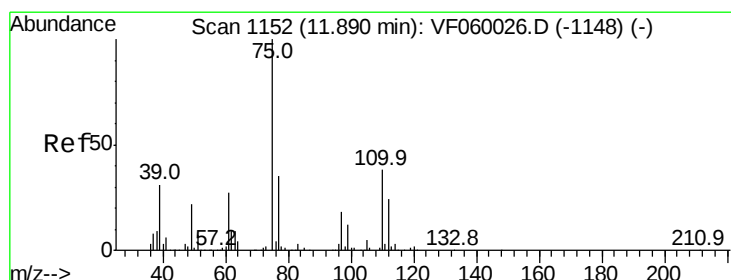
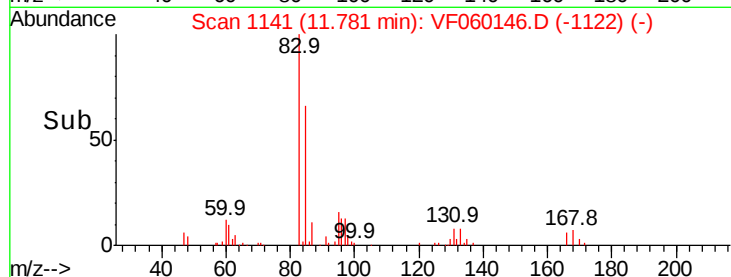
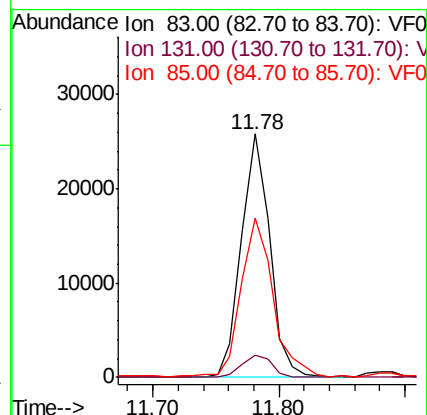
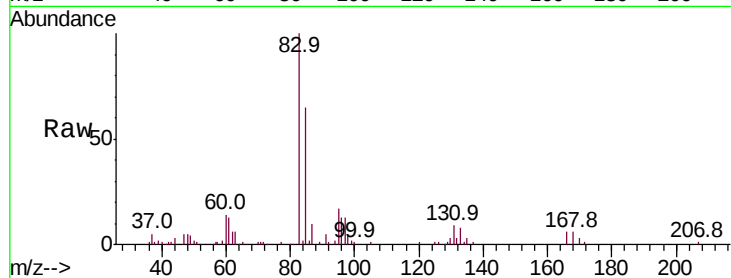
Tot Ion: 83 Resp: 40268

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.7

85 65.4 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 20.819 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060146.D

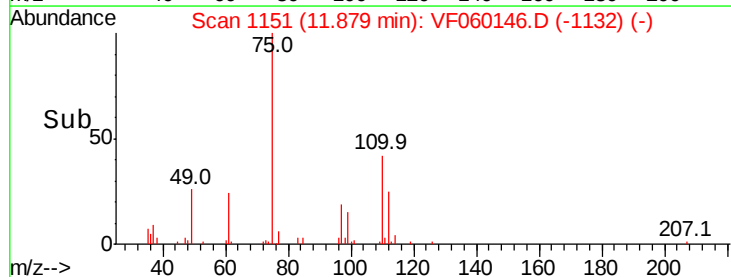
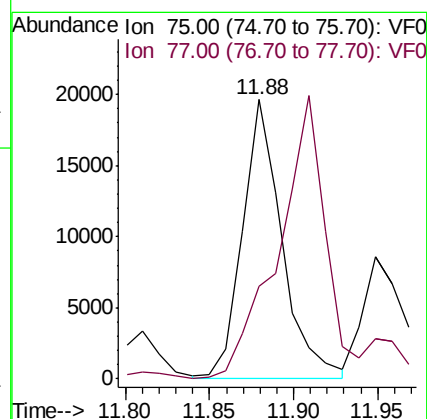
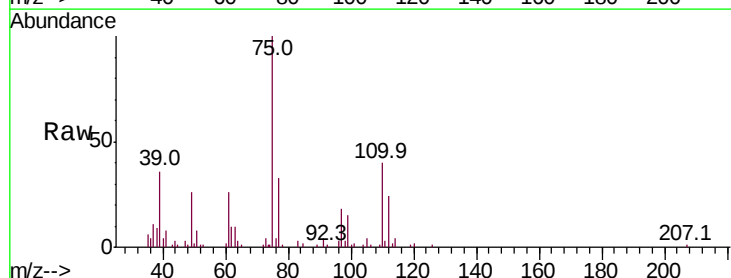
Acq: 28 Aug 2018 13:33

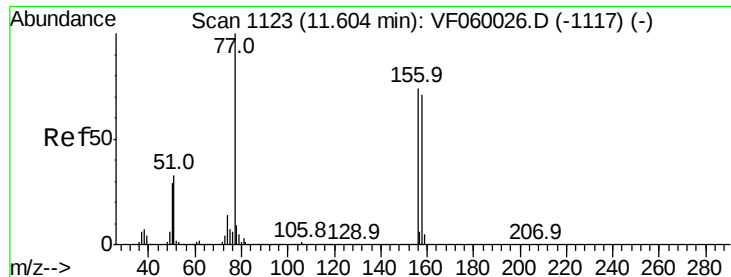
Tgt Ion: 75 Resp: 31975

Ion Ratio Lower Upper

75 100

77 33.4 17.3 52.0

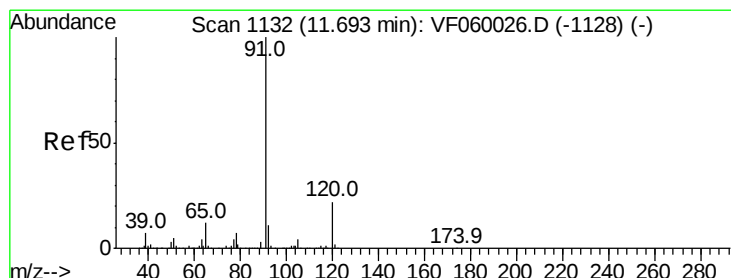
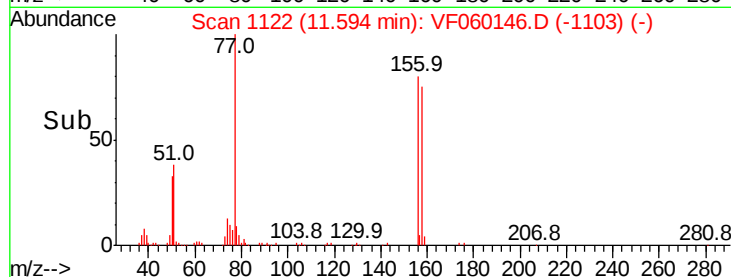
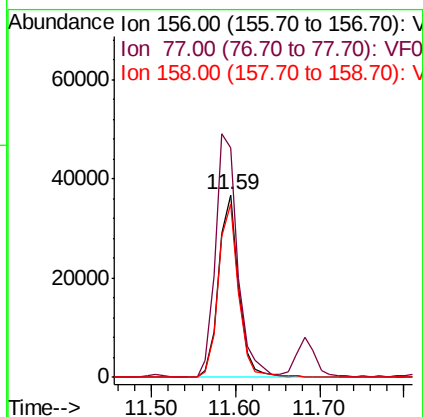
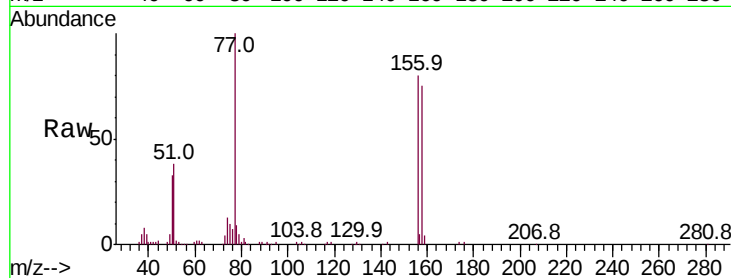




#77
Bromobenzene
Concen: 24.816 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

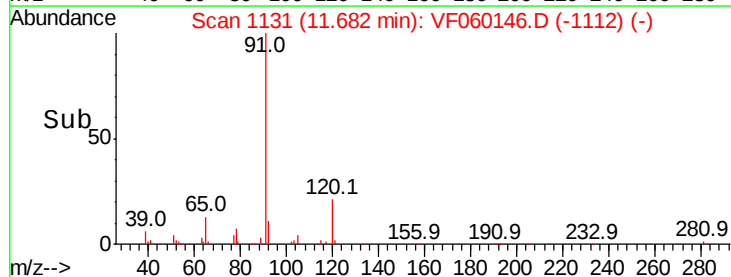
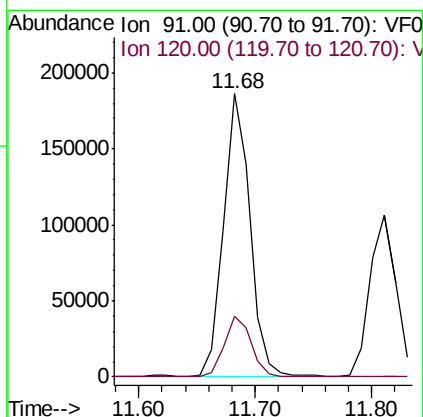
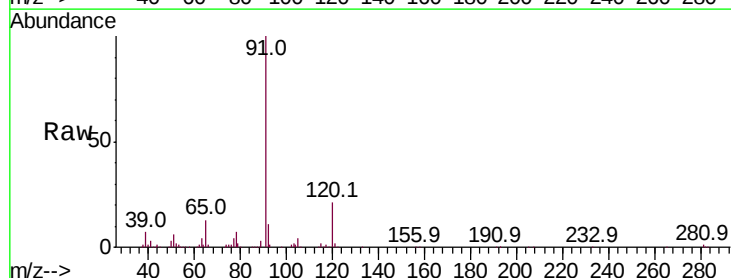
Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

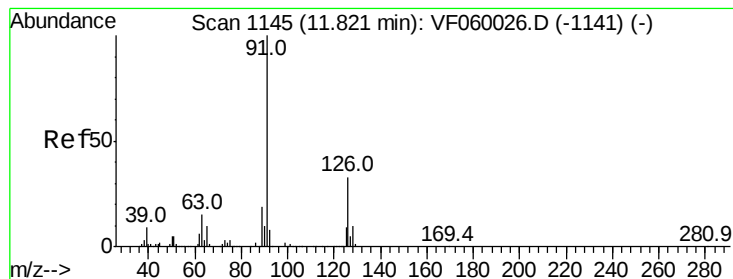
Tot Ion:156 Resp: 61202
Ion Ratio Lower Upper
156 100
77 125.2 68.0 204.0
158 94.5 48.4 145.3



#78
n-propylbenzene
Concen: 26.131 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion: 91 Resp: 292481
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.7





#79

2-Chlorotoluene

Concen: 25.259 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

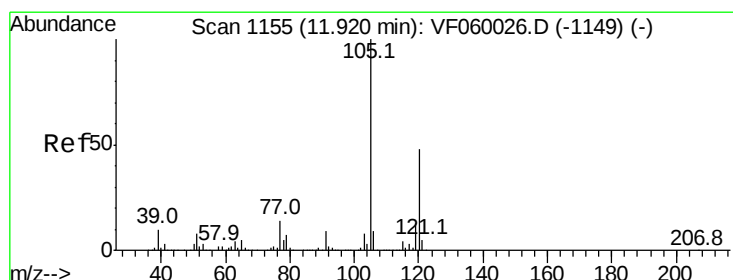
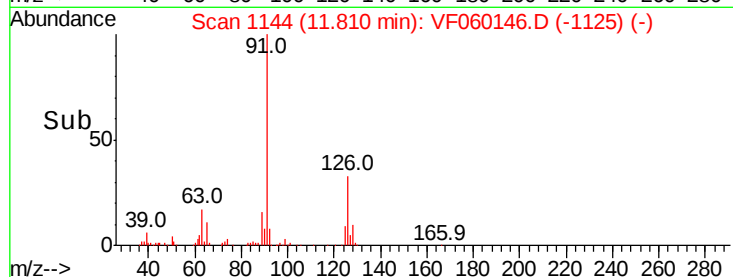
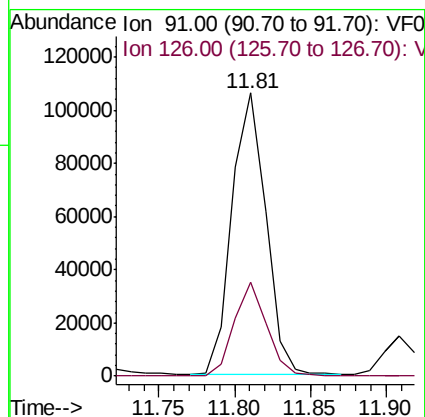
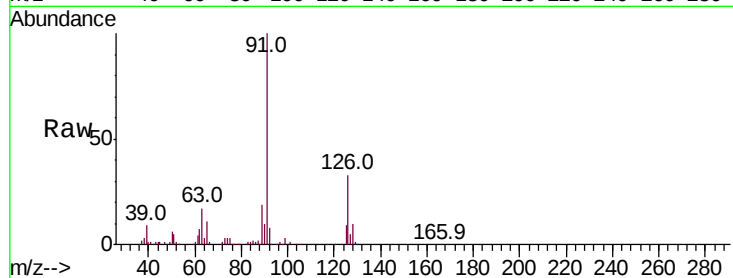
VF0828SBS01

Tot Ion: 91 Resp: 166247

Ion Ratio Lower Upper

91 100

126 33.1 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 25.594 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060146.D

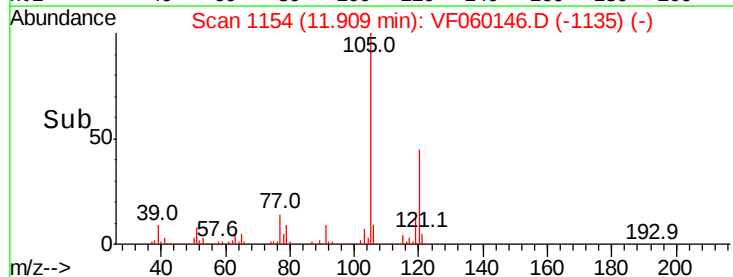
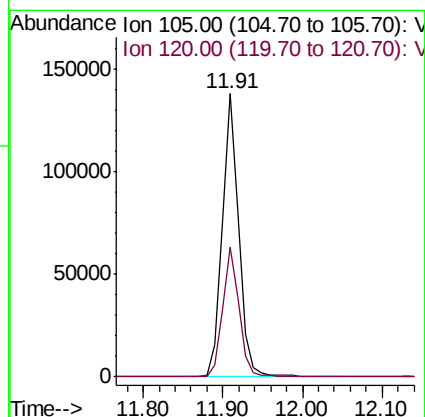
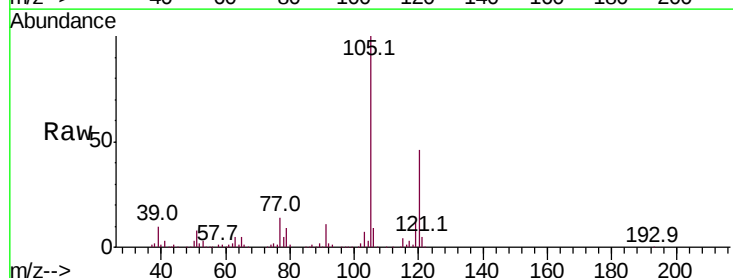
Acq: 28 Aug 2018 13:33

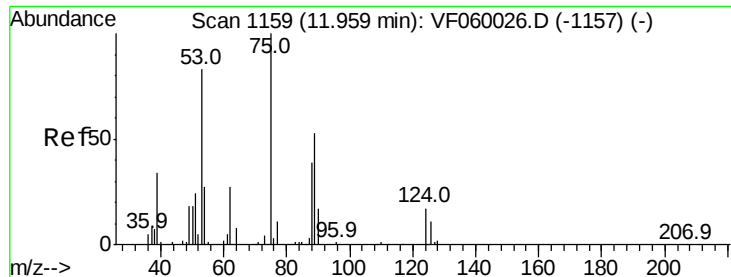
Tgt Ion:105 Resp: 202213

Ion Ratio Lower Upper

105 100

120 45.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 27.502 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

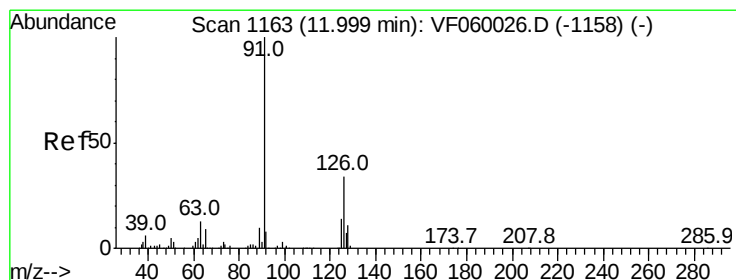
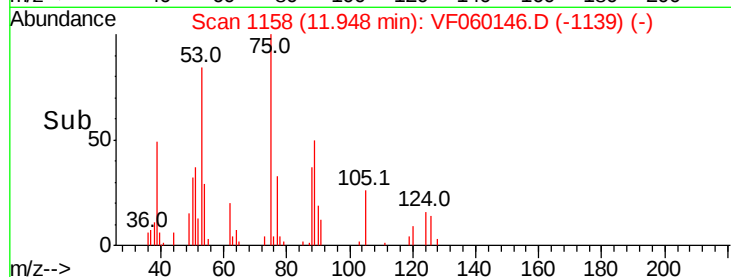
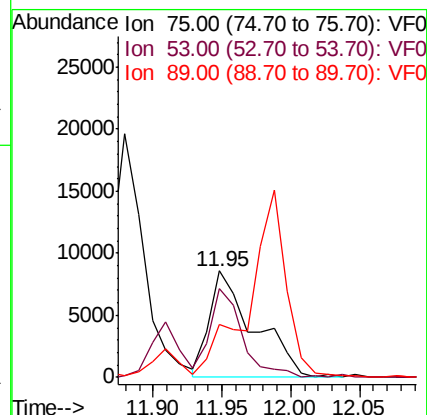
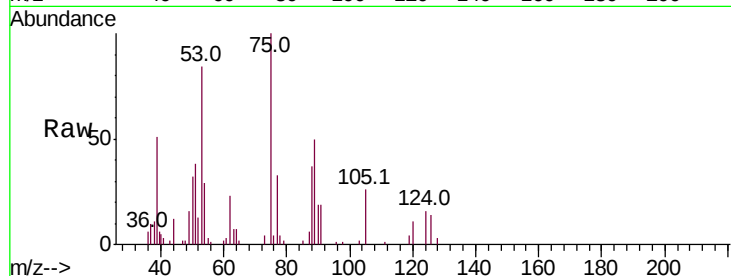
Tot Ion: 75 Resp: 19327

Ion Ratio Lower Upper

75 100

53 83.9 66.2 99.4

89 50.0 42.8 64.2



#82

4-Chlorotoluene

Concen: 24.899 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF060146.D

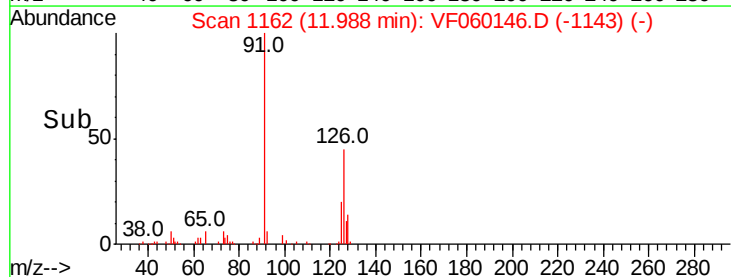
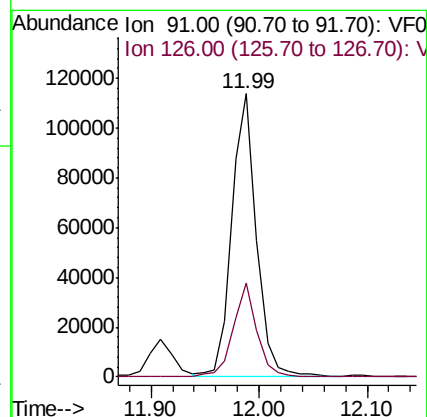
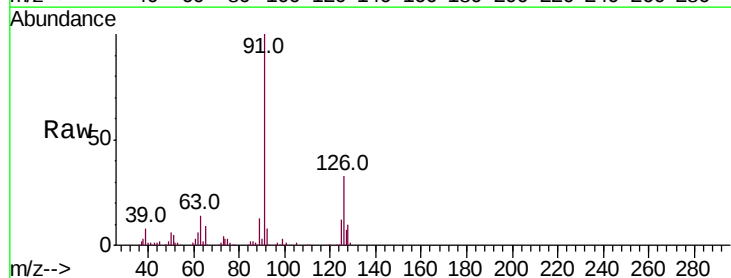
Acq: 28 Aug 2018 13:33

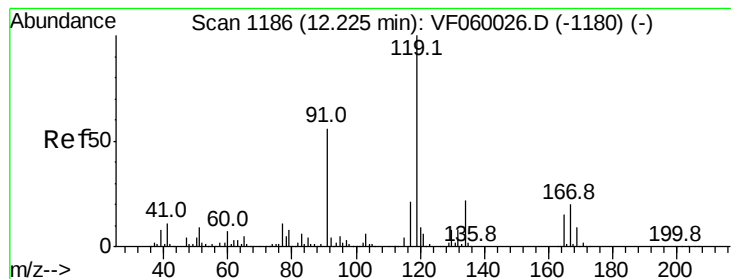
Tgt Ion: 91 Resp: 177916

Ion Ratio Lower Upper

91 100

126 33.0 17.0 50.9





#83

tert-Butylbenzene

Concen: 26.154 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

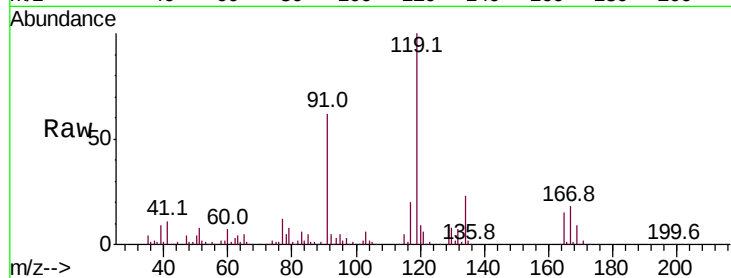
Tot Ion:119 Resp: 201538

Ion Ratio Lower Upper

119 100

91 62.4 28.1 84.3

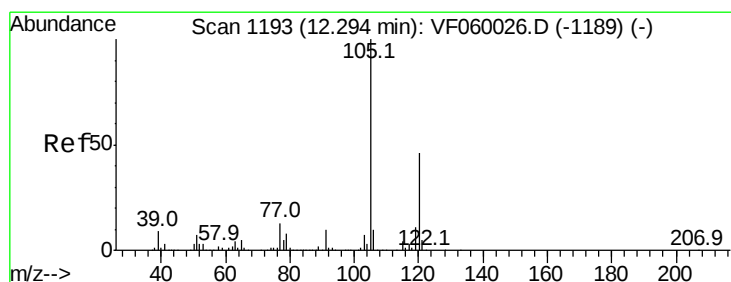
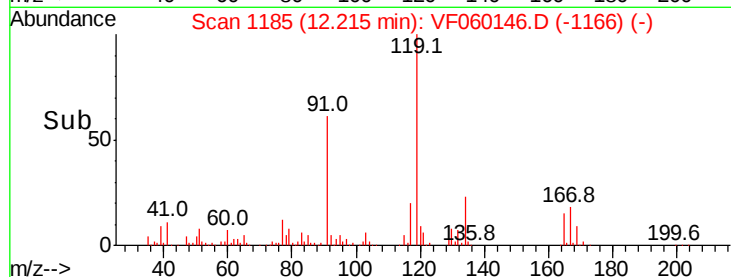
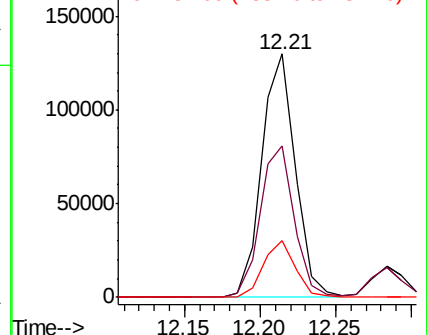
134 23.3 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 26.455 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060146.D

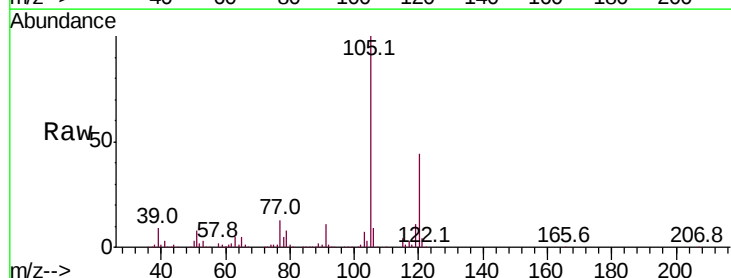
Acq: 28 Aug 2018 13:33

Tgt Ion:105 Resp: 222208

Ion Ratio Lower Upper

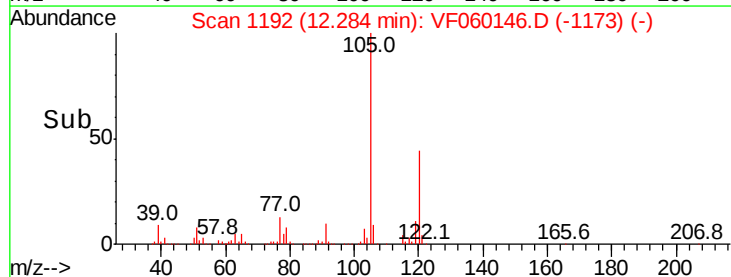
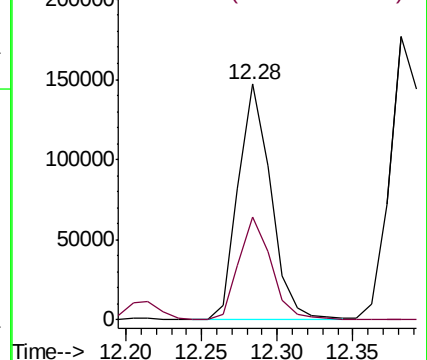
105 100

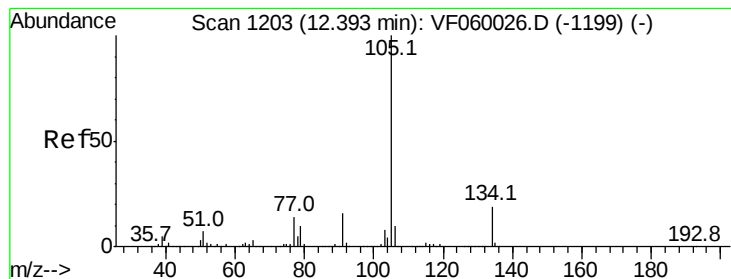
120 43.6 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 25.206 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

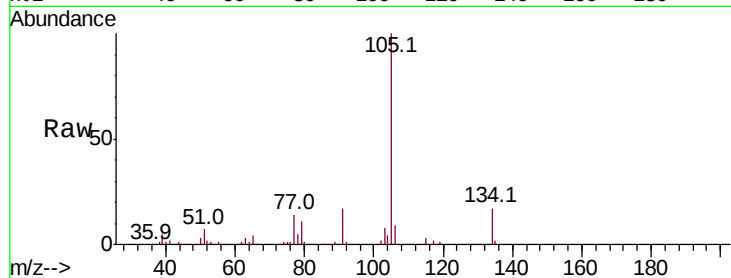
VF0828SBS01

Tot Ion:105 Resp: 270405

Ion Ratio Lower Upper

105 100

134 17.3 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

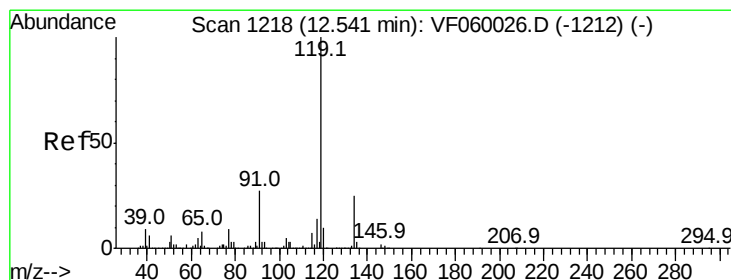
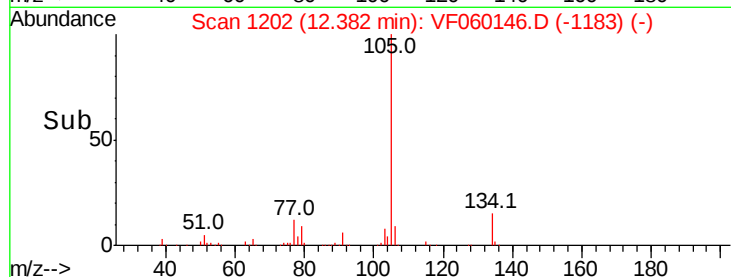
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 25.264 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

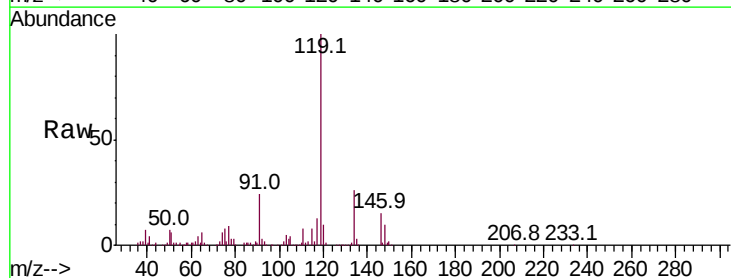
Tgt Ion:119 Resp: 224852

Ion Ratio Lower Upper

119 100

134 25.7 12.4 37.2

91 23.6 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54

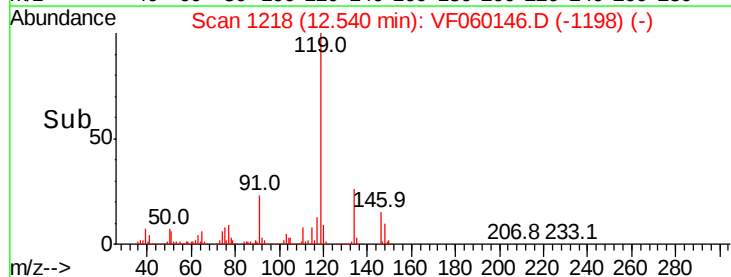
150000

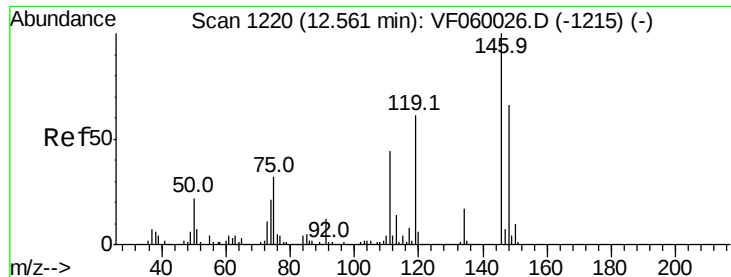
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 24.579 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

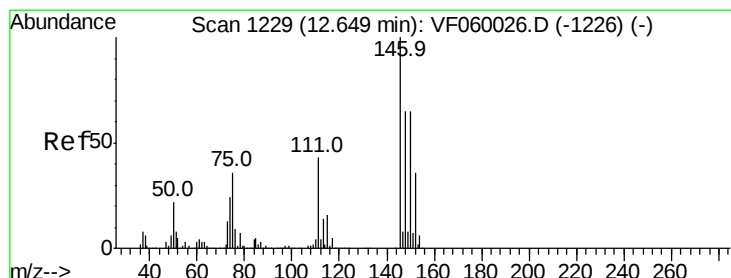
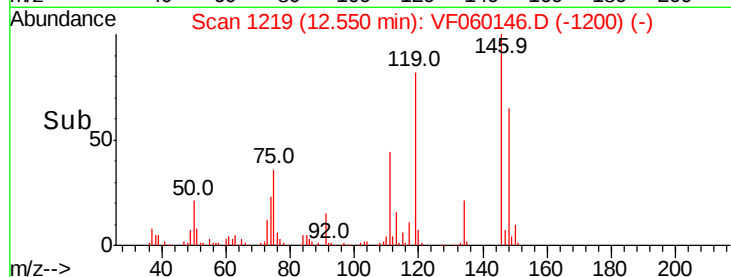
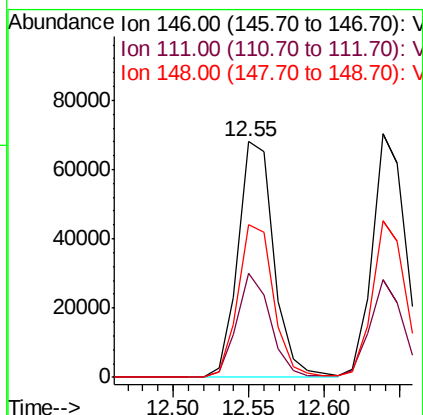
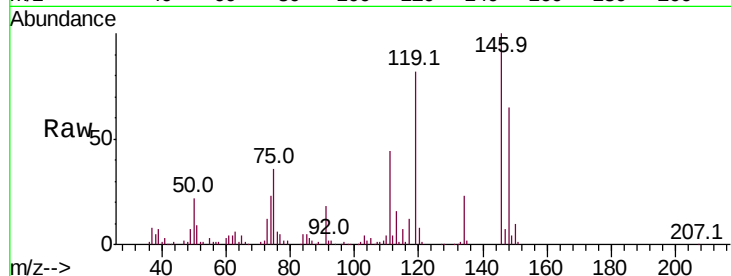
Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:146 Resp: 112084

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.5
148	64.6	32.9	98.7



#88

1,4-Dichlorobenzene

Concen: 24.437 ug/l

RT: 12.64 min Scan# 1228

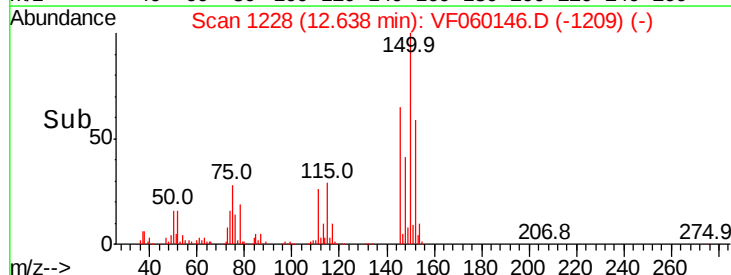
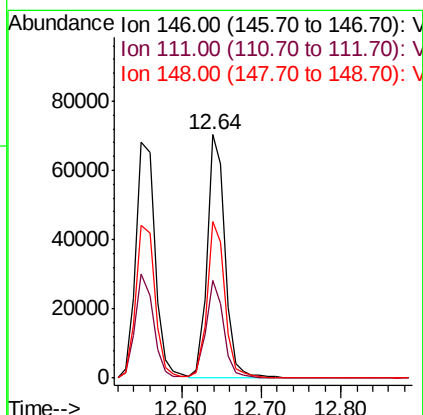
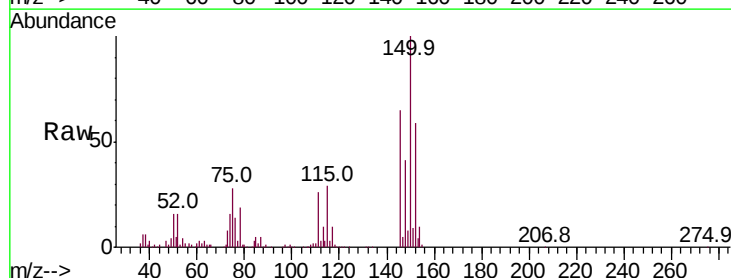
Delta R.T. -0.01 min

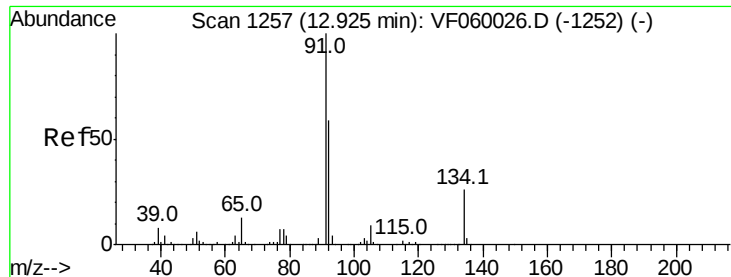
Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Tgt Ion:146 Resp: 110746

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.6	64.8
148	64.3	32.3	96.8





#89

n-Butylbenzene

Concen: 25.865 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

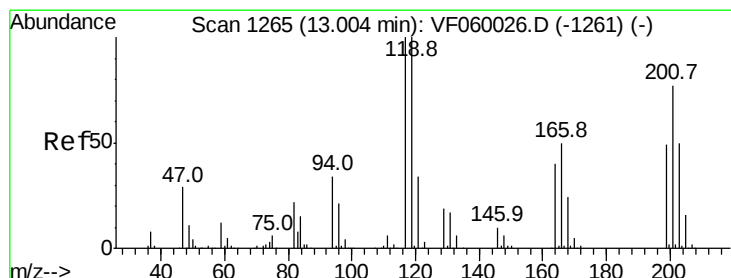
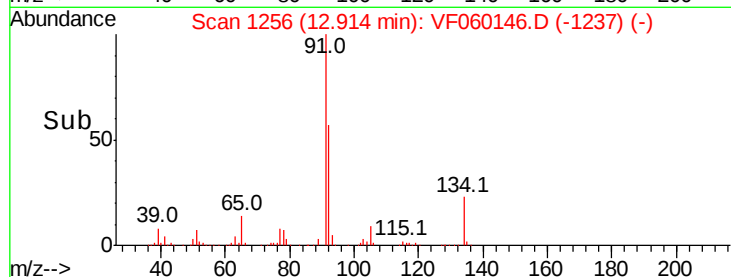
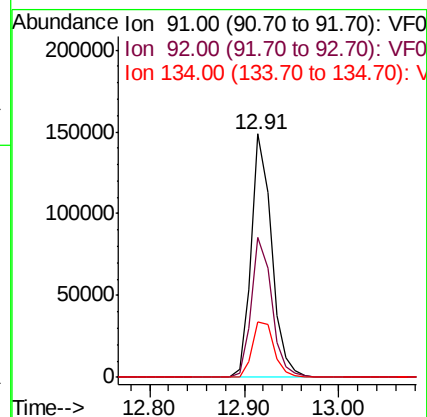
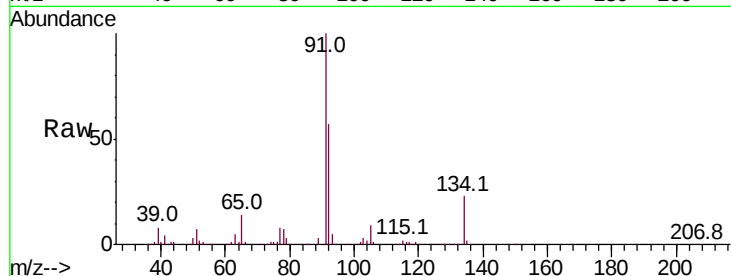
Tot Ion: 91 Resp: 223653

Ion Ratio Lower Upper

91 100

92 57.3 29.3 87.9

134 22.6 12.8 38.3



#90

Hexachloroethane

Concen: 25.246 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF060146.D

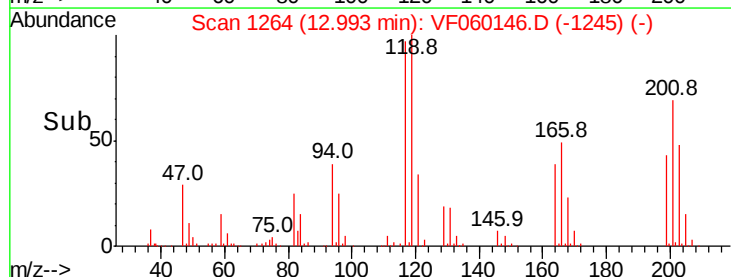
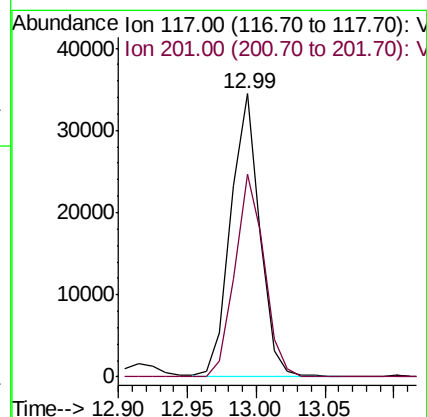
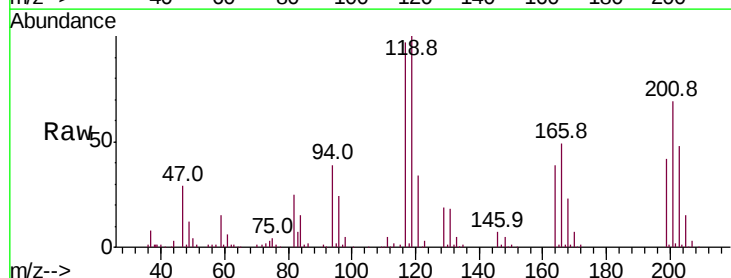
Acq: 28 Aug 2018 13:33

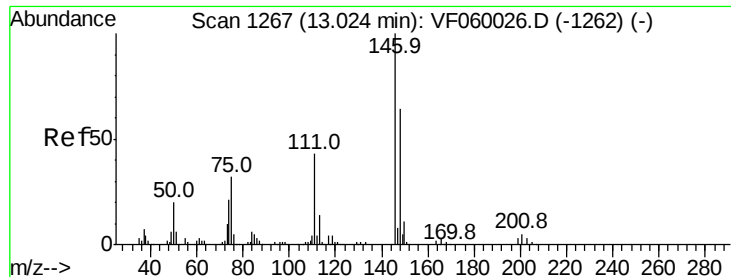
Tgt Ion: 117 Resp: 50491

Ion Ratio Lower Upper

117 100

201 71.7 38.6 115.8





#91

1,2-Dichlorobenzene

Concen: 24.991 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

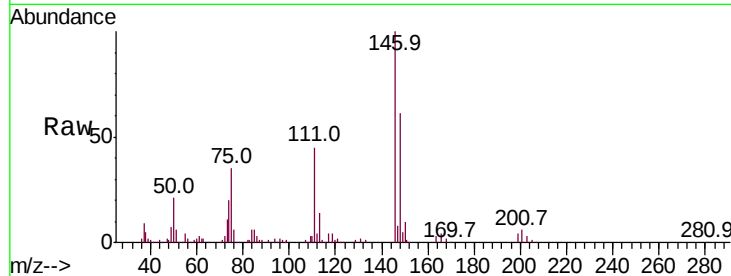
Tot Ion:146 Resp: 109599

Ion Ratio Lower Upper

146 100

111 45.4 21.6 64.6

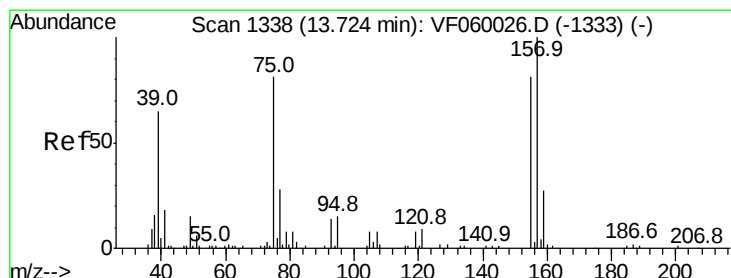
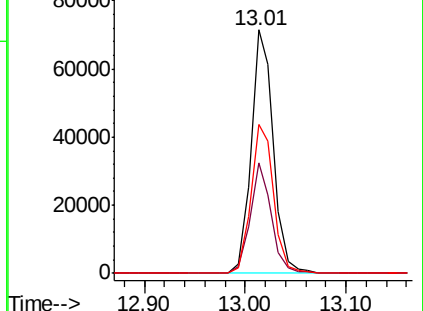
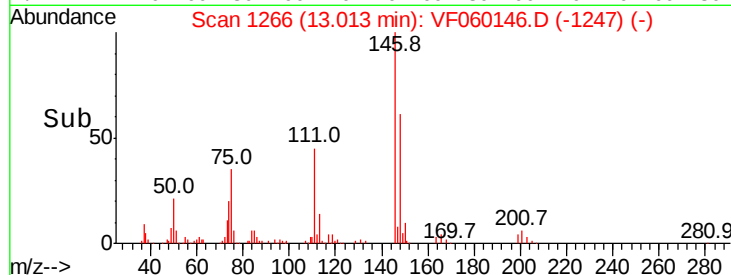
148 61.4 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.712 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF060146.D

Acq: 28 Aug 2018 13:33

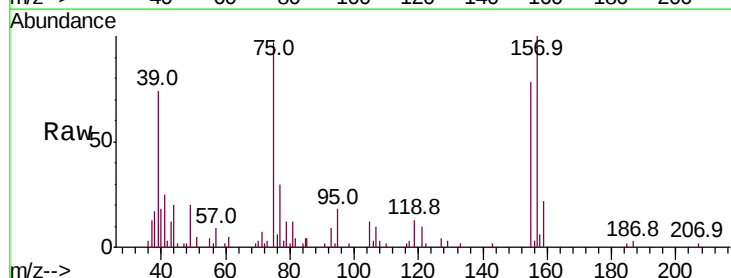
Tgt Ion: 75 Resp: 9192

Ion Ratio Lower Upper

75 100

155 80.3 49.8 149.3

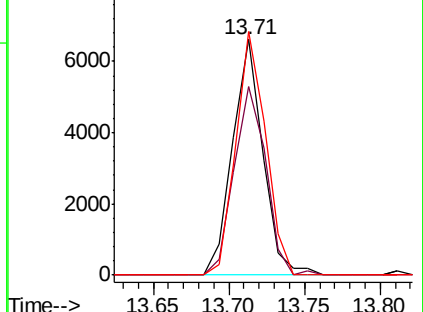
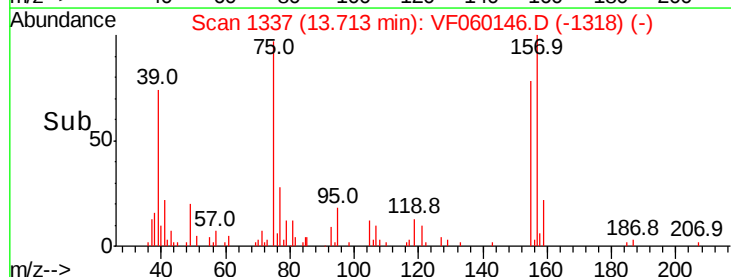
157 103.4 61.6 184.7

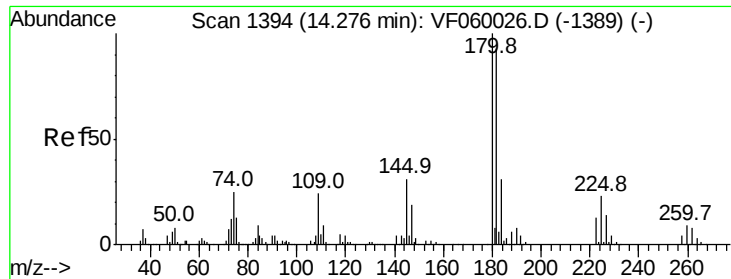


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

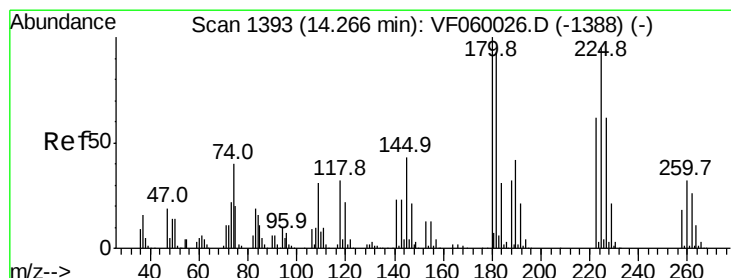
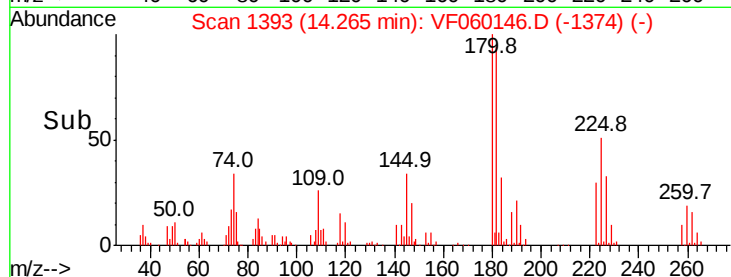
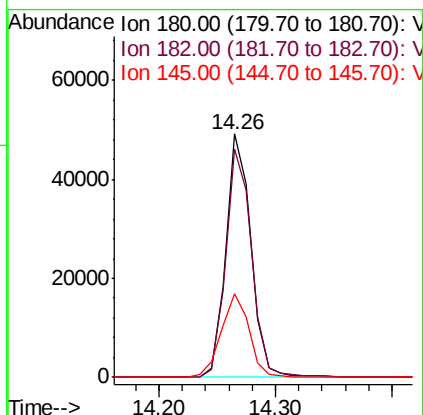
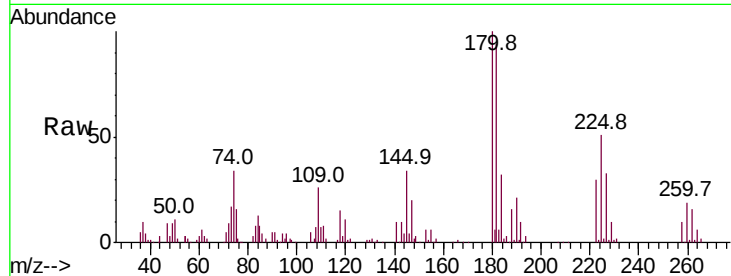




#93
 1,2,4-Trichlorobenzene
 Concen: 22.704 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

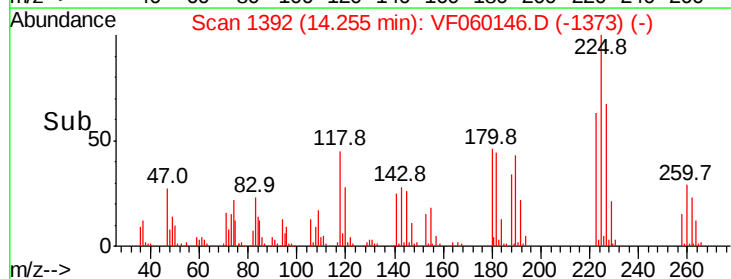
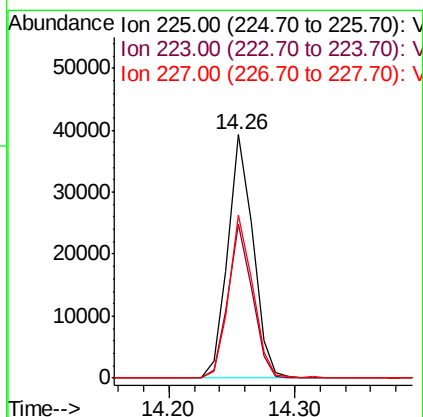
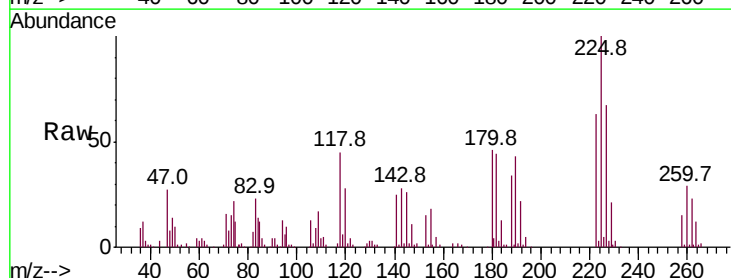
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

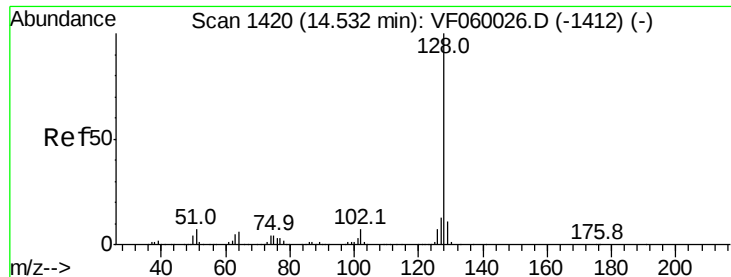
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.8	140.3
145	34.4	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 27.008 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060146.D
 Acq: 28 Aug 2018 13:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.6	97.8
227	66.8	33.0	98.9

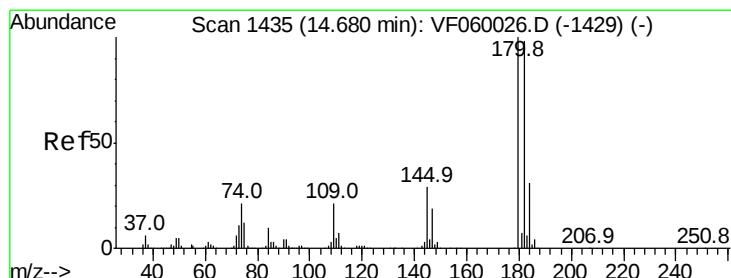
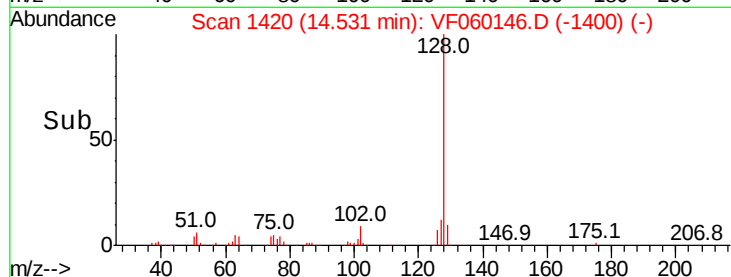
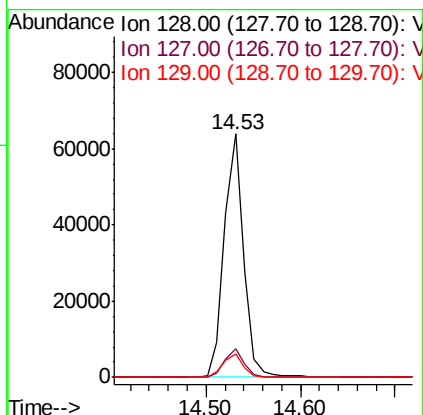
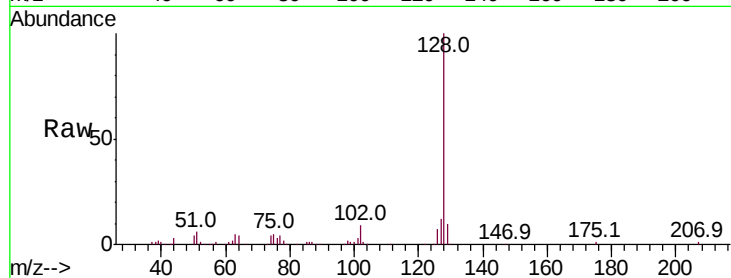




#95
Naphthalene
Concen: 17.790 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:128 Resp: 91035
Ion Ratio Lower Upper
128 100
127 11.6 10.4 15.6
129 9.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.470 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF060146.D
Acq: 28 Aug 2018 13:33

Tgt Ion:180 Resp: 69234
Ion Ratio Lower Upper
180 100
182 96.2 49.0 147.2
145 30.6 14.4 43.2

