

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060314.D
 Acq On : 21 Sep 2018 14:13
 Operator : VA/AP
 Sample : VF0921SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBSD01

Quant Time: Sep 21 14:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	251104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	427324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	374808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	193888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	172797	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	4.28	113	185155	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	7.70	98	470629	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.50	95	212537	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	105952	25.072	ug/l	85
3) Chloromethane	1.13	50	80495	23.524	ug/l	98
4) Vinyl Chloride	1.18	62	78299	22.452	ug/l	95
5) Bromomethane	1.34	94	55825	24.853	ug/l	99
6) Chloroethane	1.42	64	37100	22.338	ug/l	95
7) Trichlorofluoromethane	1.53	101	160365	24.683	ug/l	93
8) Diethyl Ether	1.70	74	24162	22.353	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	80230	23.220	ug/l	96
10) Methyl Iodide	1.96	142	133076	23.883	ug/l	97
11) Tert butyl alcohol	2.67	59	24392	120.611	ug/l	95
12) 1,1-Dichloroethene	1.85	96	70012	24.501	ug/l	98
13) Acrolein	2.08	56	11099	156.907	ug/l	99
14) Allyl chloride	2.18	41	111073	22.275	ug/l	95
15) Acrylonitrile	3.06	53	49757	104.195	ug/l	91
16) Acetone	2.33	43	105319	110.604	ug/l	94
17) Carbon Disulfide	1.89	76	213470	26.489	ug/l	98
18) Methyl Acetate	2.45	43	30734	19.374	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	156205	21.927	ug/l	93
20) Methylene Chloride	2.27	84	83072	29.209	ug/l	85
21) trans-1,2-Dichloroethene	2.41	96	70591	23.918	ug/l	97
22) Diisopropyl ether	2.91	45	219257	23.305	ug/l	95
23) Vinyl Acetate	3.33	43	411353	111.323	ug/l	100
24) 1,1-Dichloroethane	2.99	63	140394	23.009	ug/l	99
25) 2-Butanone	4.50	43	137426	107.223	ug/l	96
26) 2,2-Dichloropropane	3.75	77	88575	25.442	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	87538	22.577	ug/l	88
28) Bromochloromethane	3.88	49	50202	21.133	ug/l	85
29) Tetrahydrofuran	4.23	42	49264	104.961	ug/l	99
30) Chloroform	4.03	83	167656	22.772	ug/l	98
31) Cyclohexane	3.86	56	112949	21.915	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	142433	24.518	ug/l	96
36) 1,1-Dichloropropene	4.45	75	127448	23.910	ug/l	94
37) Ethyl Acetate	4.27	43	44742	19.838	ug/l #	80
38) Carbon Tetrachloride	4.16	117	157848	27.570	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	125386	21.704	ug/l	96
40) Benzene	4.79	78	265943	22.004	ug/l	98
41) Methacrylonitrile	4.90	41	25726	21.021	ug/l	98
42) 1,2-Dichloroethane	5.10	62	100550	22.602	ug/l	99
43) Isopropyl Acetate	7.10	43	58541	21.561	ug/l #	96
44) Trichloroethene	5.66	130	78707	21.881	ug/l	95
45) 1,2-Dichloropropane	6.39	63	69760	22.302	ug/l	98
46) Dibromomethane	6.24	93	46413	20.758	ug/l	95
47) Bromodichloromethane	6.54	83	115608	21.516	ug/l	94
48) Methyl methacrylate	6.85	41	38145	20.013	ug/l	95
49) 1,4-Dioxane	6.85	88	6411	376.500	ug/l #	62
51) 4-Methyl-2-Pentanone	8.39	43	214622	102.558	ug/l	97
52) Toluene	7.77	92	160896	21.043	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	92977	21.452	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	116954	21.420	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	49809	21.463	ug/l	98
56) Ethyl methacrylate	8.75	69	59937	21.385	ug/l	94
57) 1,3-Dichloropropane	8.99	76	84252	21.926	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	28032	113.137	ug/l	100
59) 2-Hexanone	9.61	43	177603	119.196	ug/l	98
60) Dibromochloromethane	8.86	129	73001	21.106	ug/l	93
61) 1,2-Dibromoethane	9.12	107	52868	20.458	ug/l	86
64) Tetrachloroethene	8.29	164	72475	21.330	ug/l	93
65) Chlorobenzene	9.93	112	187738	22.100	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	77874	22.090	ug/l	94
67) Ethyl Benzene	10.03	91	357635	22.770	ug/l	99
68) m/p-Xylenes	10.25	106	242735	44.732	ug/l	96
69) o-Xylene	10.82	106	132509	21.771	ug/l	97
70) Styrene	10.90	104	183569	21.386	ug/l	97
71) Bromoform	10.88	173	39978	20.649	ug/l	96
73) Isopropylbenzene	11.22	105	400551	23.012	ug/l	97
74) N-amyl acetate	11.46	43	97271	26.207	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	68335	22.153	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	48623	22.014	ug/l	100
77) Bromobenzene	11.59	156	82517	21.998	ug/l	99
78) n-propylbenzene	11.67	91	479773	23.555	ug/l	98
79) 2-Chlorotoluene	11.80	91	269928	22.990	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	334024	23.840	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	32876	28.166	ug/l	96
82) 4-Chlorotoluene	11.98	91	277847	23.544	ug/l	99
83) tert-Butylbenzene	12.21	119	327967	23.091	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	330006	23.195	ug/l	97
85) sec-Butylbenzene	12.38	105	449907	22.628	ug/l	99
86) p-Isopropyltoluene	12.53	119	355785	22.579	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	162476	23.179	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	151810	21.912	ug/l	99
89) n-Butylbenzene	12.91	91	378415	22.132	ug/l	95
90) Hexachloroethane	12.99	117	91540	23.032	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	151877	22.713	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12265	21.177	ug/l	85

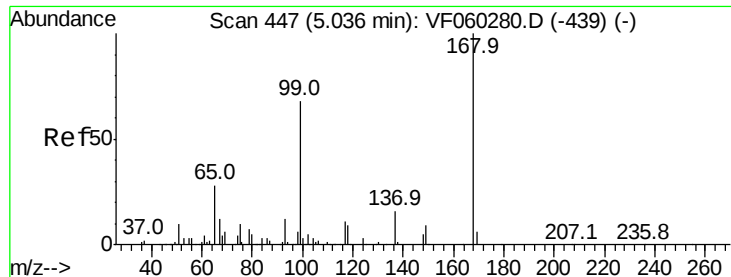
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	110563	22.749	ug/l	98
94) Hexachlorobutadiene	14.25	225	73943	22.506	ug/l	98
95) Naphthalene	14.51	128	196741	23.089	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	98847	22.010	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

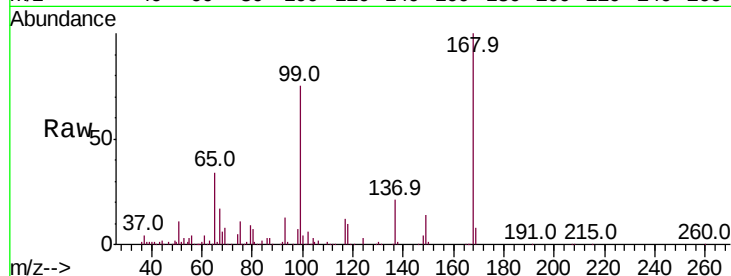
VF0921SBS01

Tot Ion:168 Resp: 251104

Ion Ratio Lower Upper

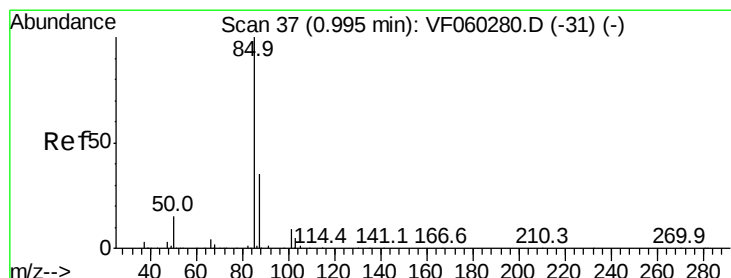
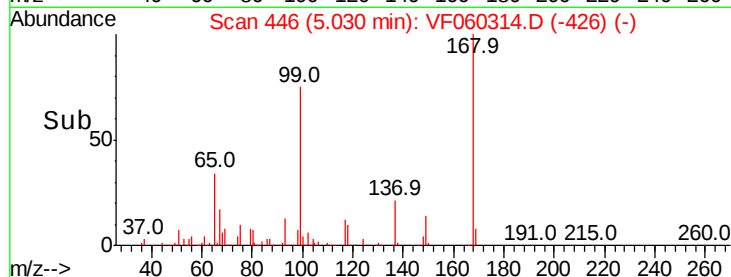
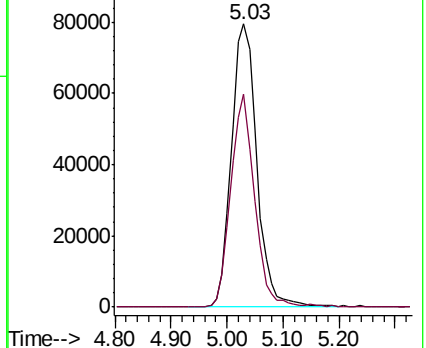
168 100

99 75.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 25.072 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060314.D

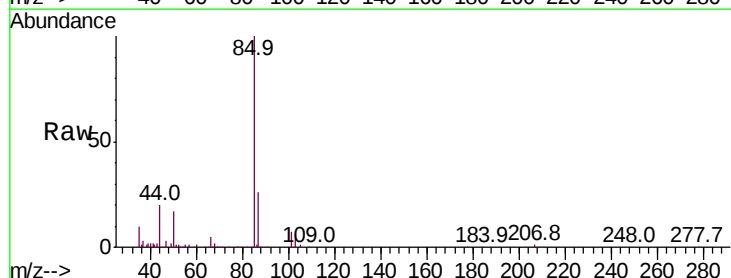
Acq: 21 Sep 2018 14:13

Tgt Ion: 85 Resp: 105952

Ion Ratio Lower Upper

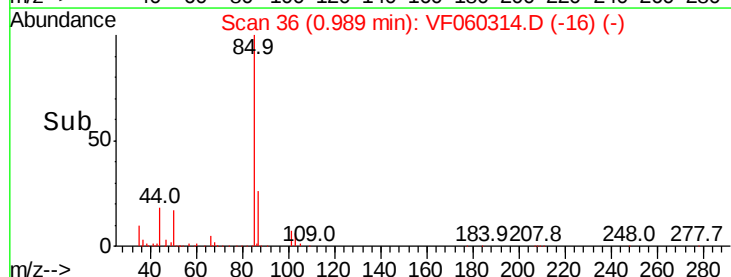
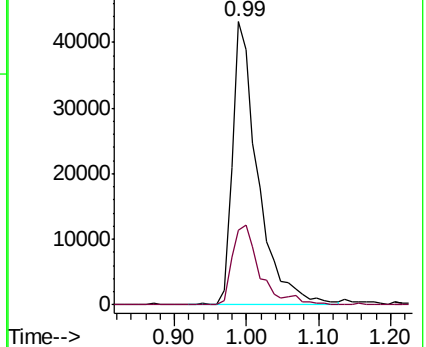
85 100

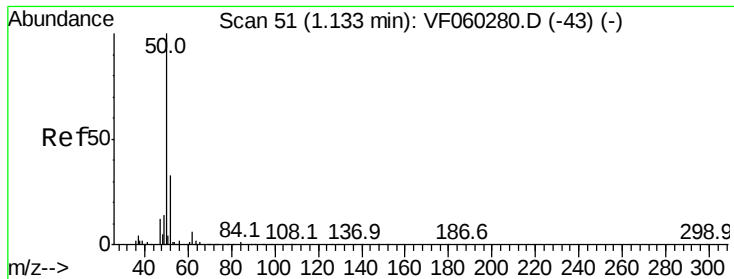
87 26.3 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.524 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

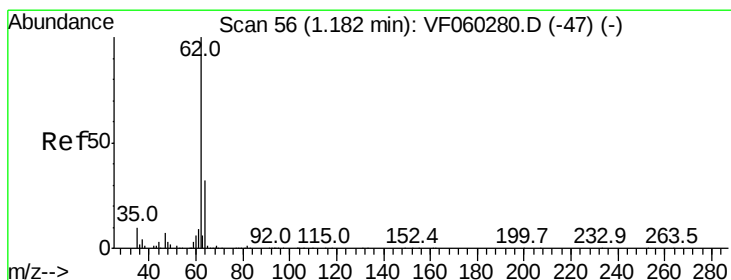
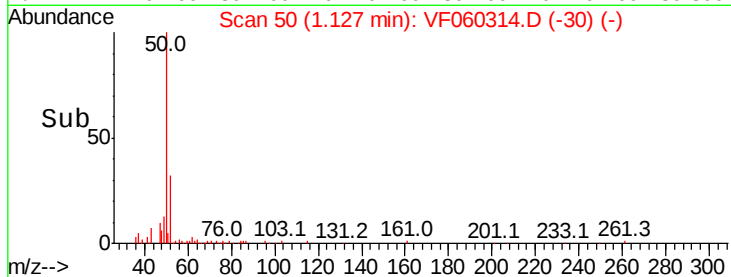
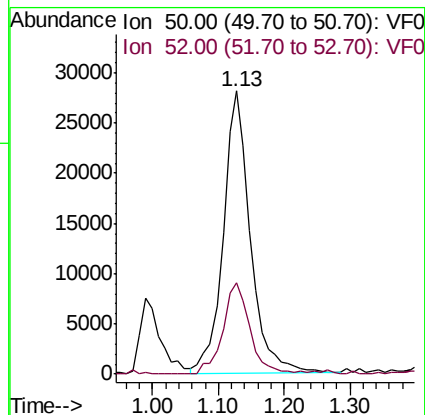
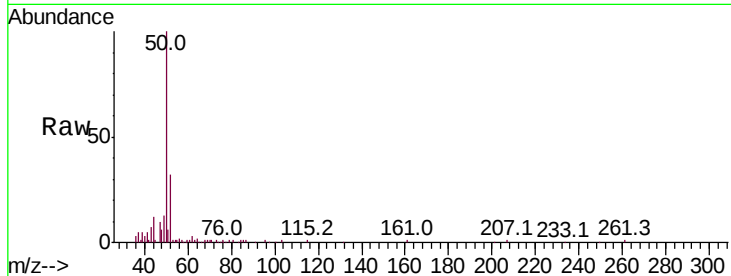
VF0921SBSD01

Tot Ion: 50 Resp: 80495

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



#4

Vinyl Chloride

Concen: 22.452 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060314.D

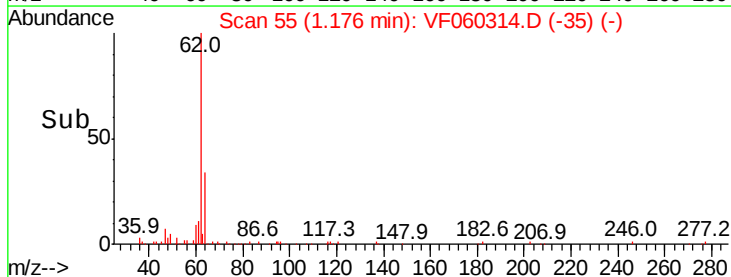
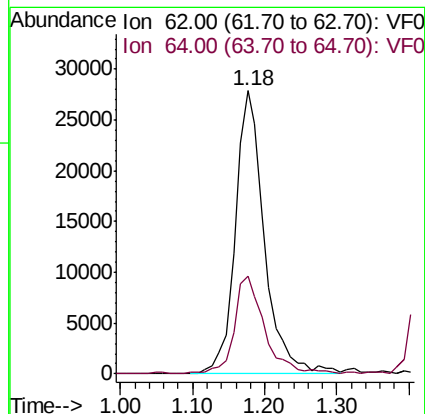
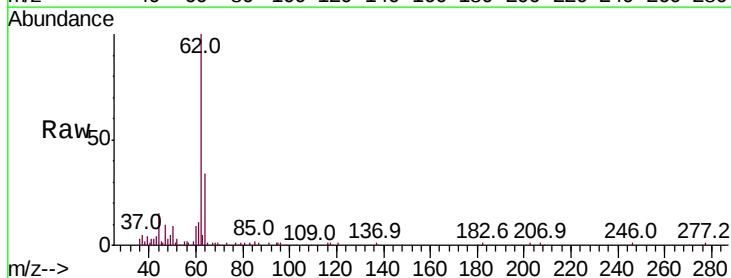
Acq: 21 Sep 2018 14:13

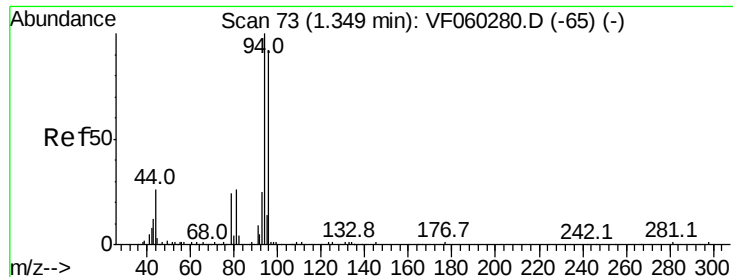
Tgt Ion: 62 Resp: 78299

Ion Ratio Lower Upper

62 100

64 34.4 25.2 37.8





#5

Bromomethane

Concen: 24.853 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

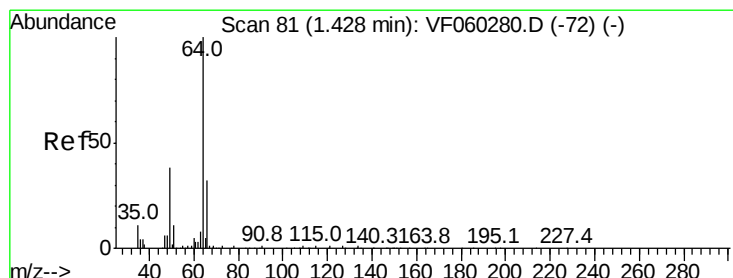
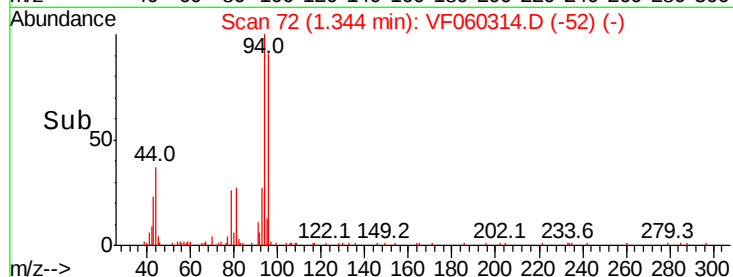
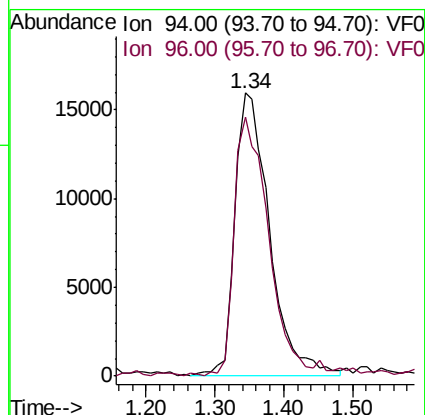
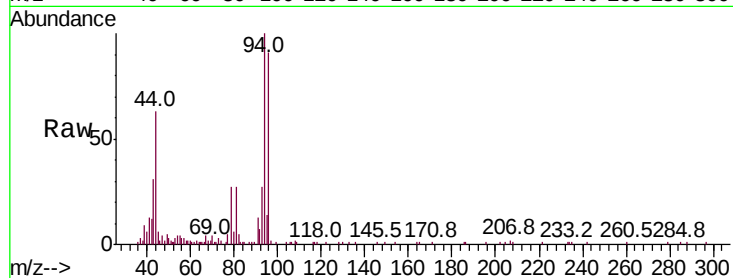
VF0921SBS01

Tot Ion: 94 Resp: 55825

Ion Ratio Lower Upper

94 100

96 91.5 73.9 110.9



#6

Chloroethane

Concen: 22.338 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060314.D

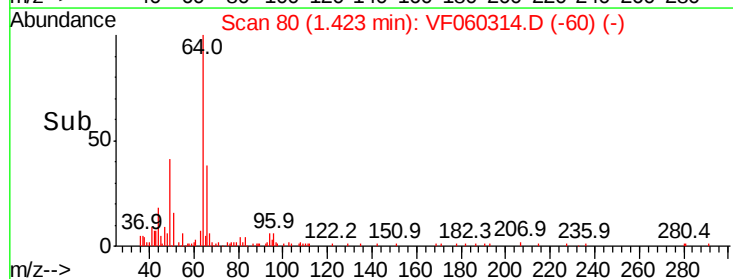
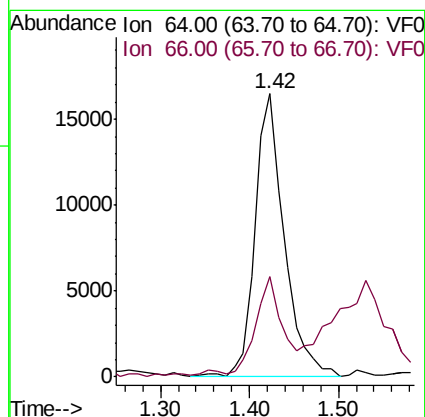
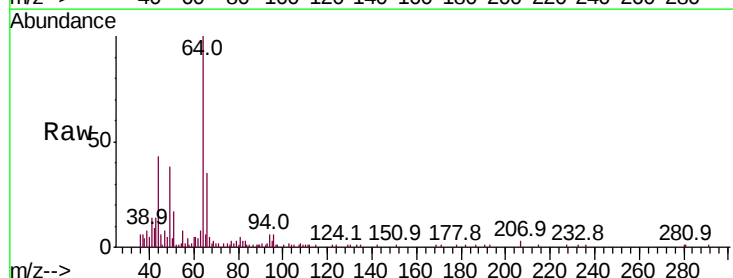
Acq: 21 Sep 2018 14:13

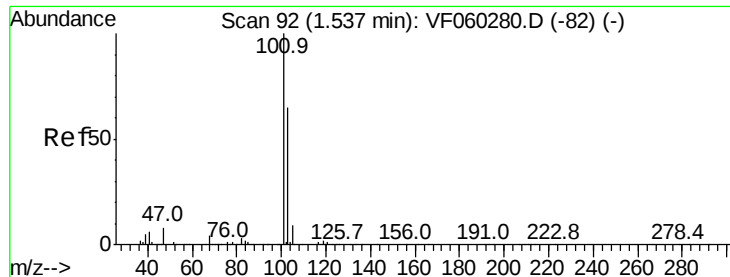
Tgt Ion: 64 Resp: 37100

Ion Ratio Lower Upper

64 100

66 35.3 26.2 39.2





#7

Trichlorofluoromethane

Concen: 24.683 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

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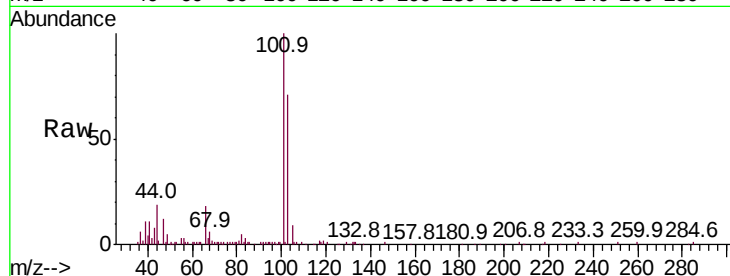
VF0921SBS01

Tot Ion:101 Resp: 160365

Ion Ratio Lower Upper

101 100

103 70.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.53

30000

20000

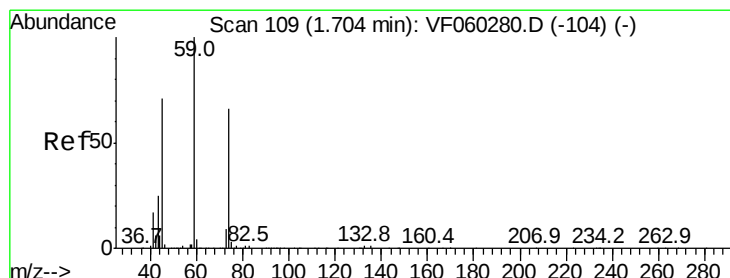
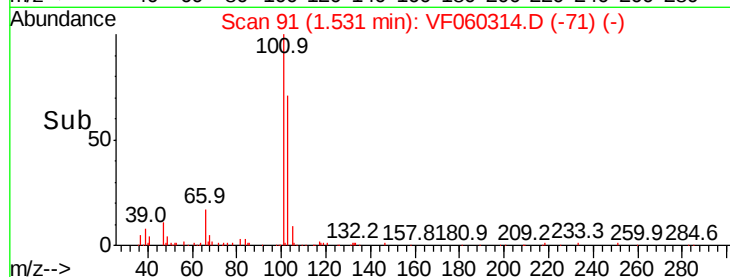
10000

0

Time-->

1.40

1.60



#8

Diethyl Ether

Concen: 22.353 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060314.D

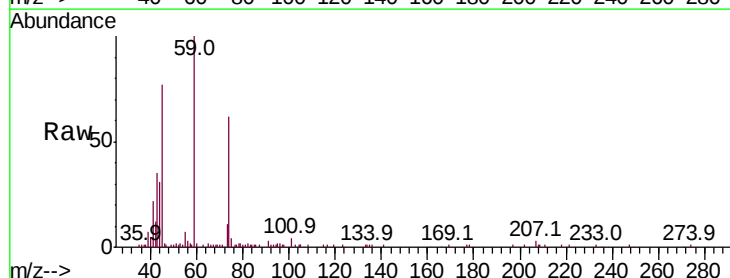
Acq: 21 Sep 2018 14:13

Tgt Ion: 74 Resp: 24162

Ion Ratio Lower Upper

74 100

45 124.1 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

20000

15000

10000

5000

0

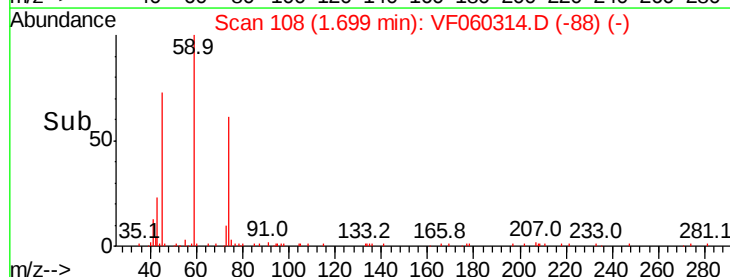
Time-->

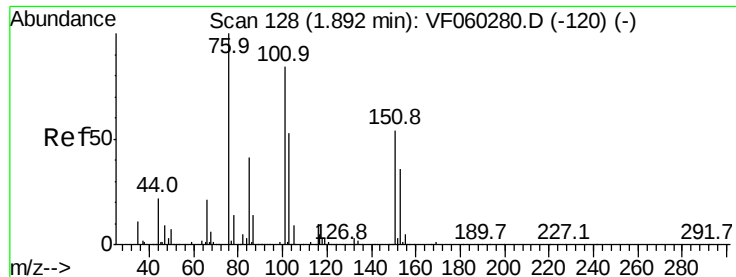
1.65

1.70

1.75

1.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.220 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

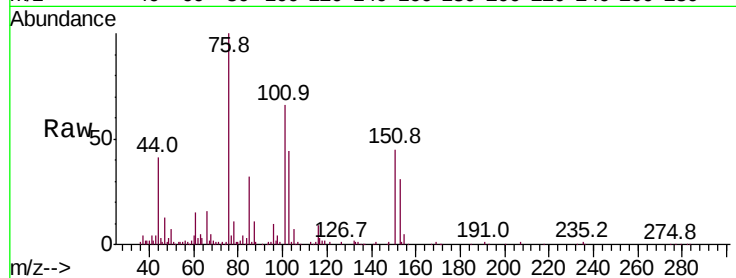
Tot Ion:101 Resp: 80230

Ion Ratio Lower Upper

101 100

85 48.7 38.7 58.1

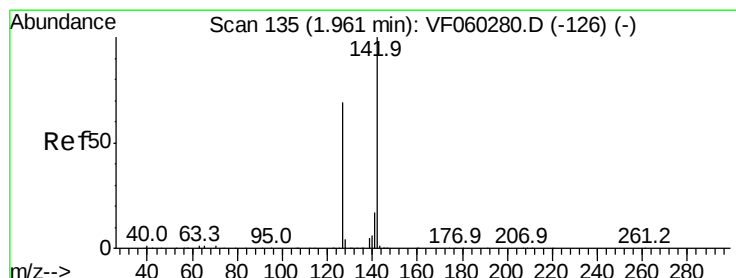
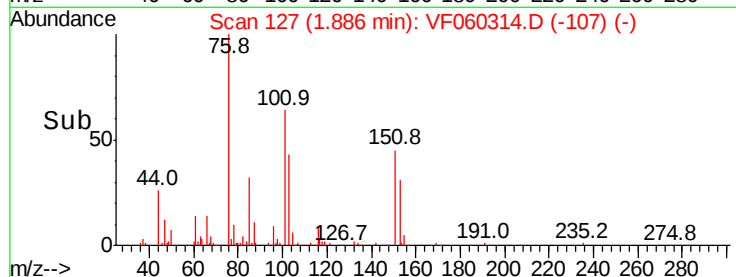
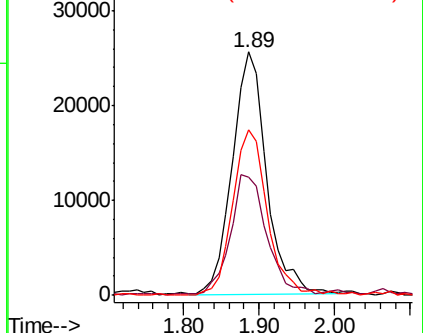
151 68.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 23.883 ug/l

RT: 1.96 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

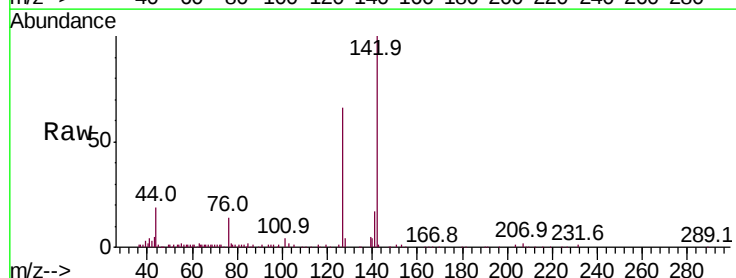
Tgt Ion:142 Resp: 133076

Ion Ratio Lower Upper

142 100

127 66.1 55.4 83.0

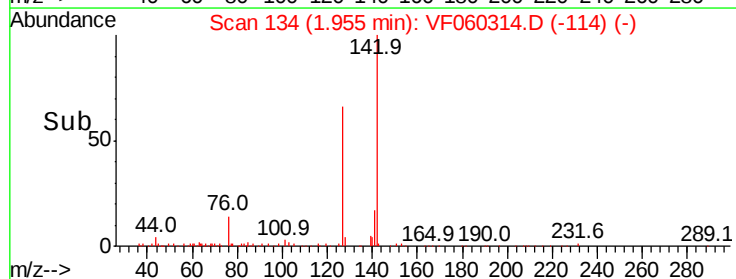
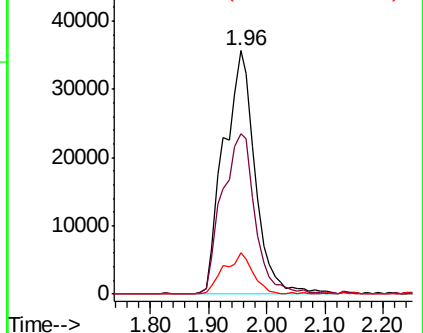
141 16.9 13.3 19.9

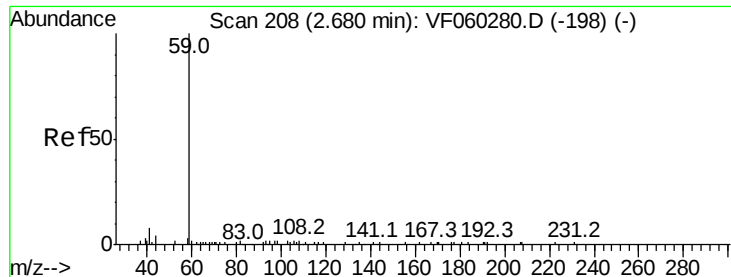


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



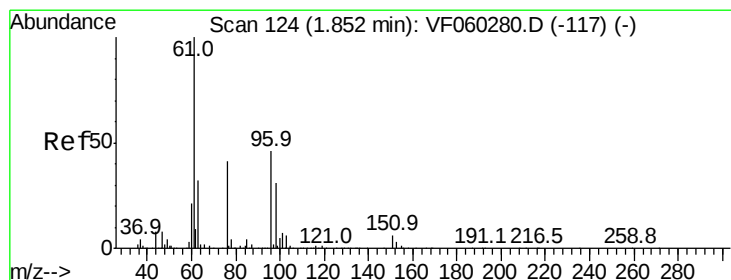
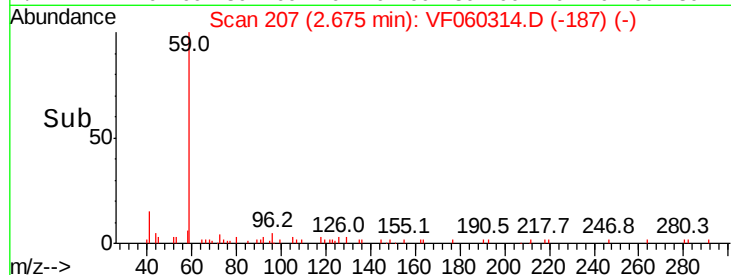
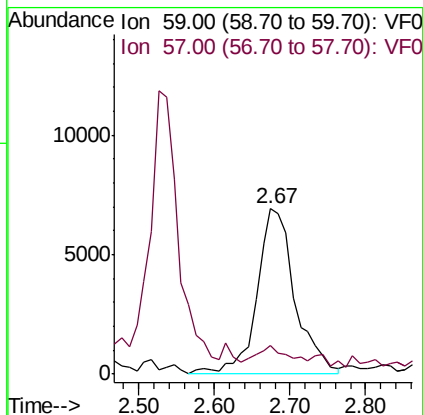
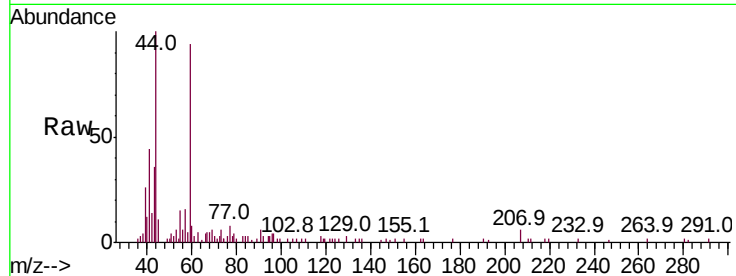


#11

Tert butyl alcohol
 Concen: 120.611 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

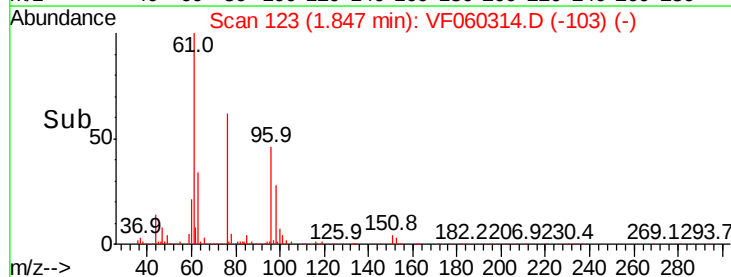
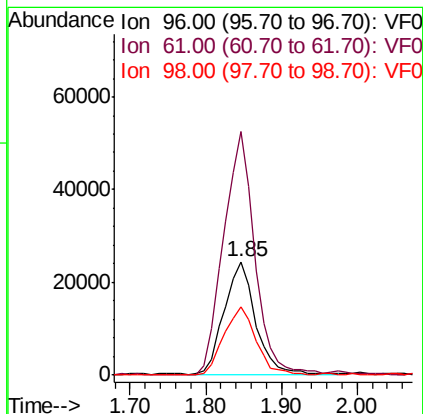
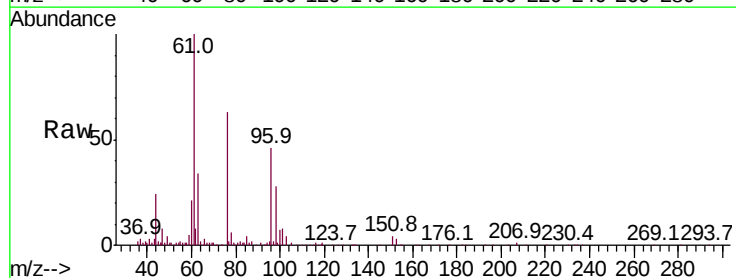
Tot Ion: 59 Resp: 24392
 Ion Ratio Lower Upper
 59 100
 57 17.5 12.4 18.6

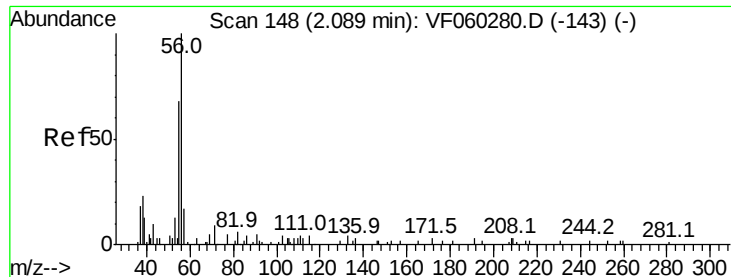


#12

1,1-Dichloroethene
 Concen: 24.501 ug/l
 RT: 1.85 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion: 96 Resp: 70012
 Ion Ratio Lower Upper
 96 100
 61 215.2 172.2 258.2
 98 60.7 54.1 81.1





#13

Acrolein

Concen: 156.907 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

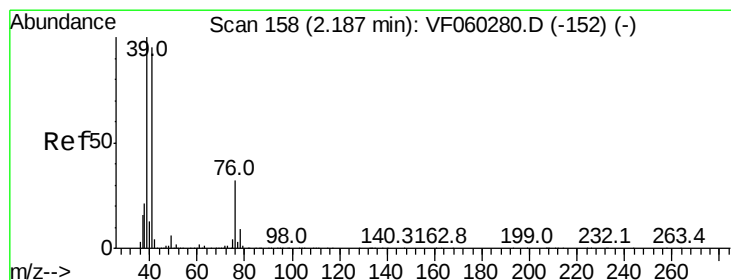
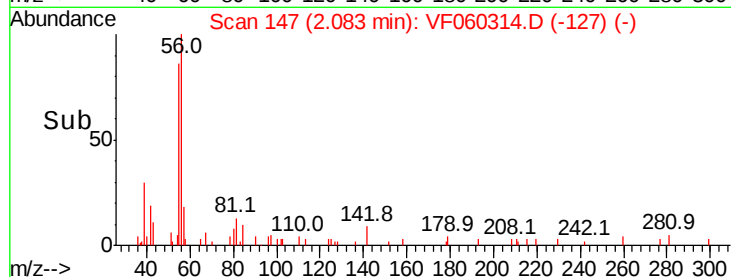
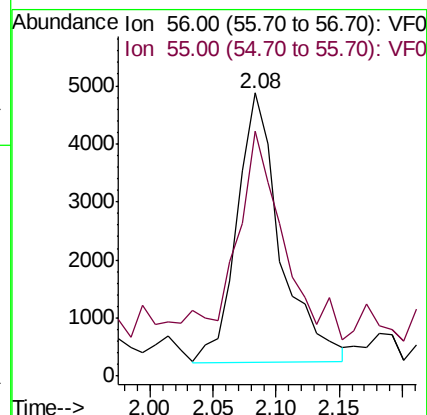
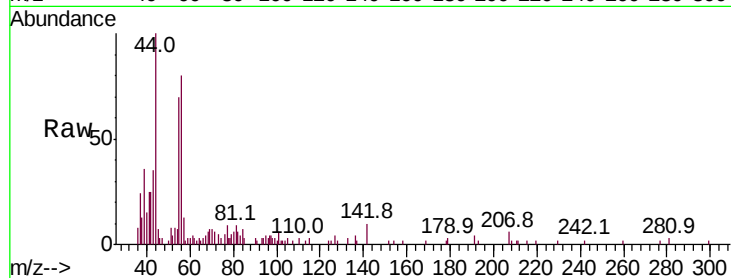
VF0921SBSD01

Tot Ion: 56 Resp: 11099

Ion Ratio Lower Upper

56 100

55 86.8 69.9 104.9



#14

Allyl chloride

Concen: 22.275 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

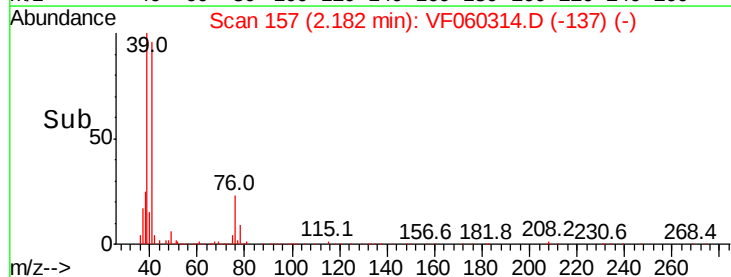
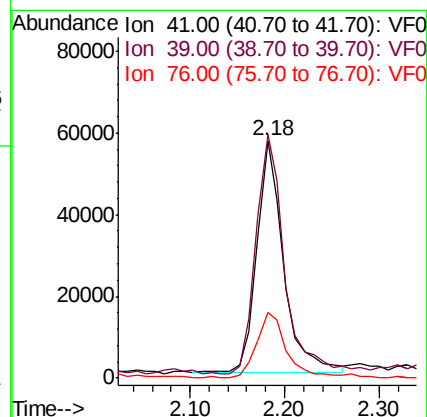
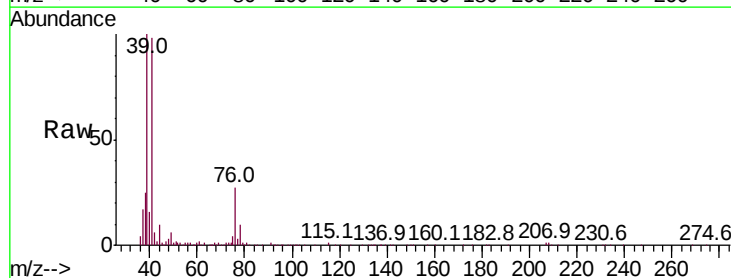
Tgt Ion: 41 Resp: 111073

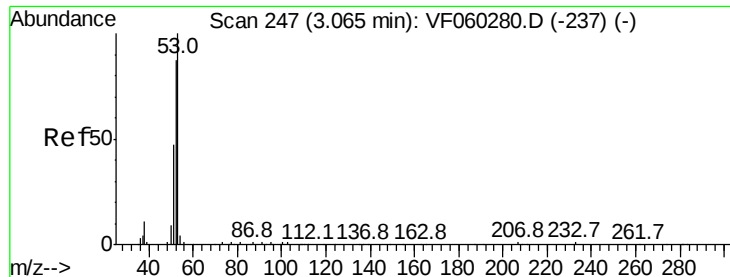
Ion Ratio Lower Upper

41 100

39 102.4 84.8 127.2

76 27.5 27.4 41.2





#15

Acrylonitrile

Concen: 104.195 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

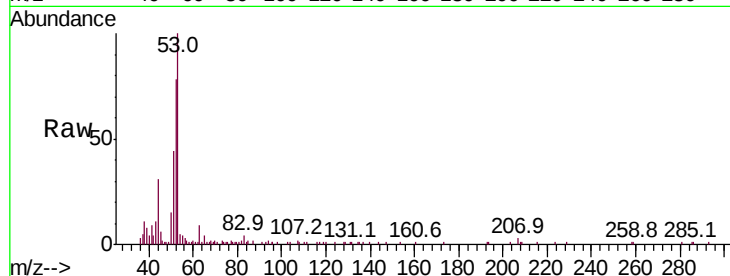
Tot Ion: 53 Resp: 49757

Ion	Ratio	Lower	Upper
53	100		
52	77.6	69.5	104.3
51	43.7	38.1	57.1

53 100

52 77.6 69.5 104.3

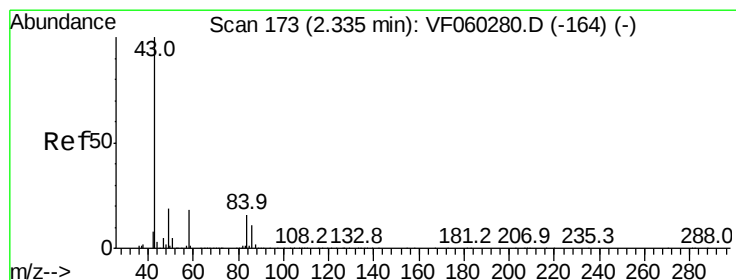
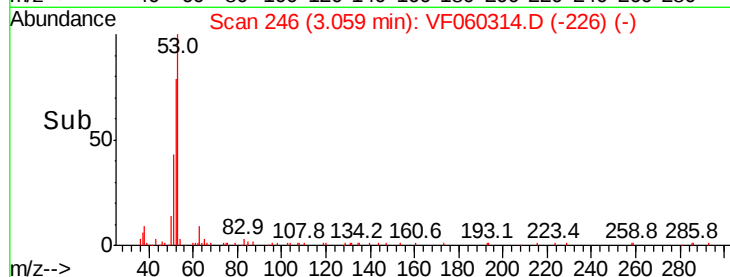
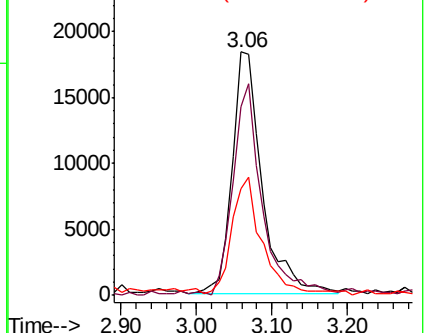
51 43.7 38.1 57.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 110.604 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060314.D

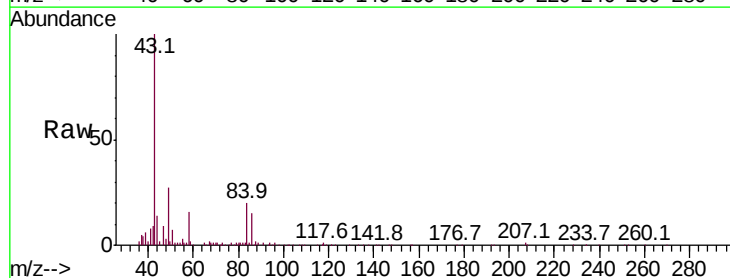
Acq: 21 Sep 2018 14:13

Tgt Ion: 43 Resp: 105319

Ion	Ratio	Lower	Upper
43	100		
58	15.6	14.5	21.7

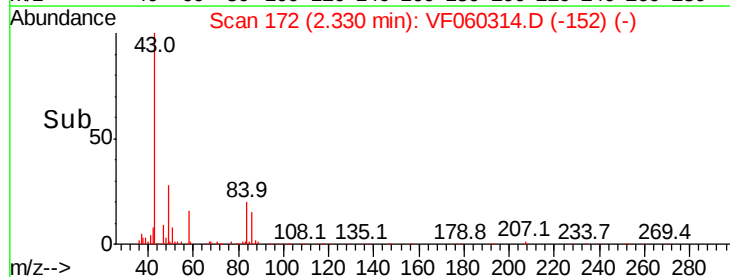
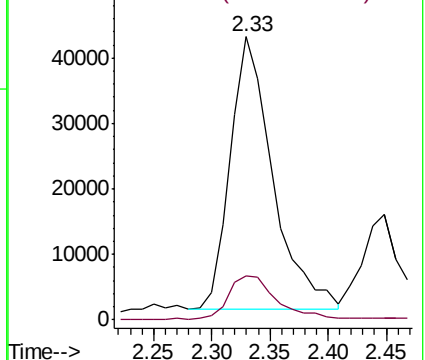
43 100

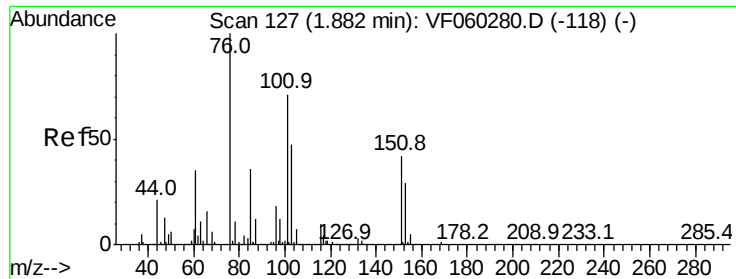
58 15.6 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 26.489 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

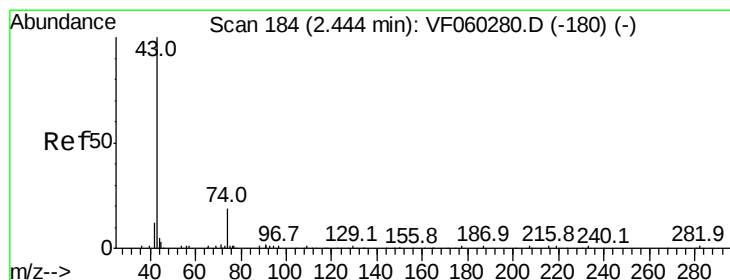
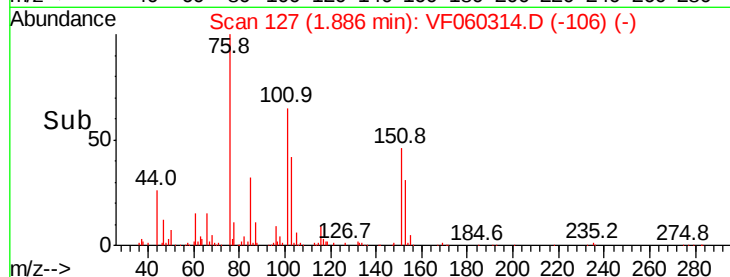
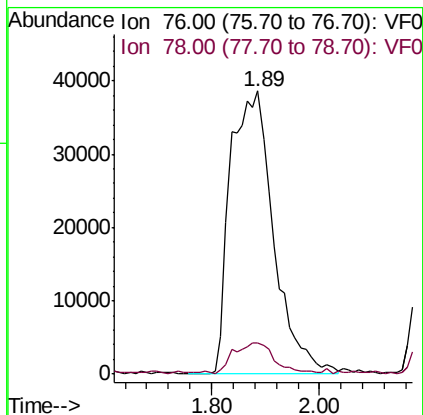
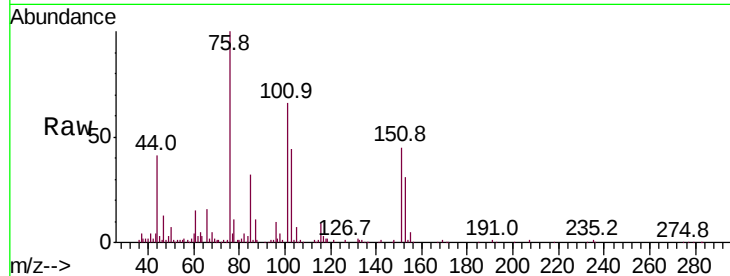
VF0921SBS01

Tot Ion: 76 Resp: 213470

Ion Ratio Lower Upper

76 100

78 11.1 9.4 14.0



#18

Methyl Acetate

Concen: 19.374 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060314.D

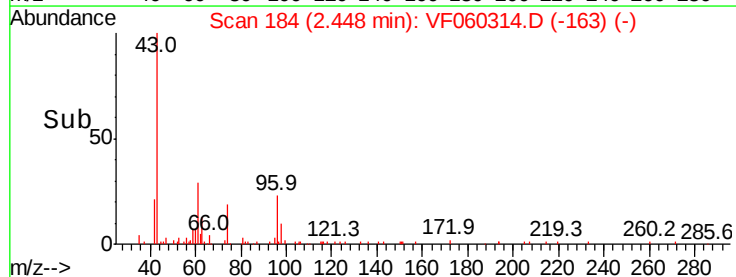
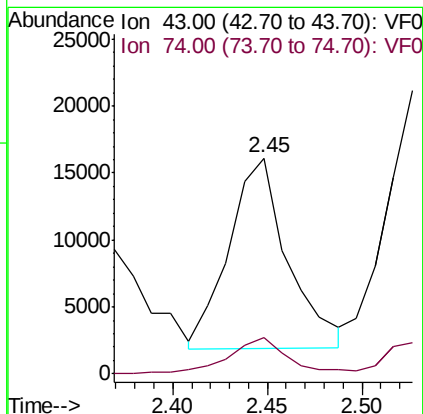
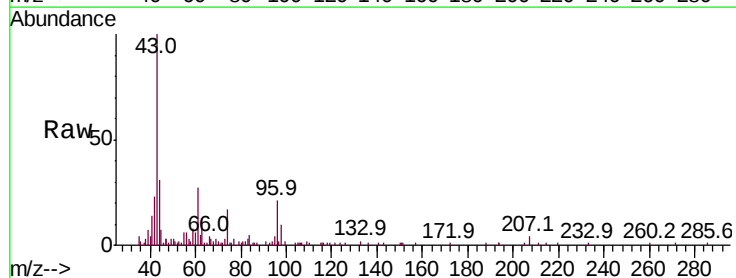
Acq: 21 Sep 2018 14:13

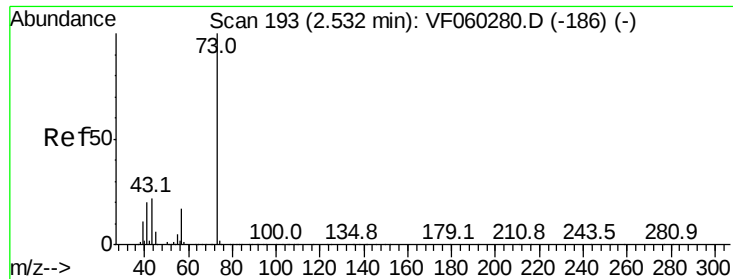
Tgt Ion: 43 Resp: 30734

Ion Ratio Lower Upper

43 100

74 17.0 12.7 19.1

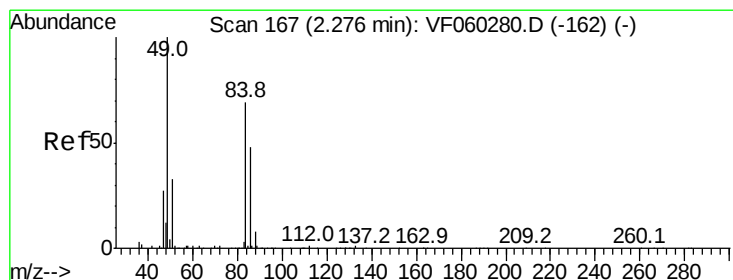
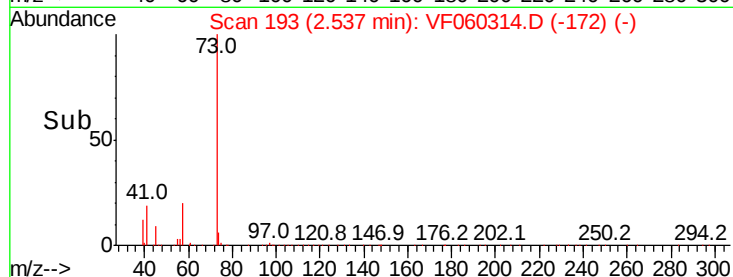
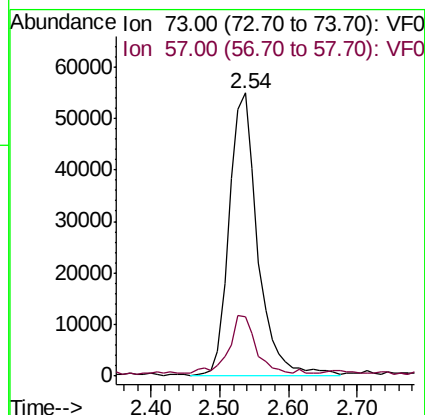
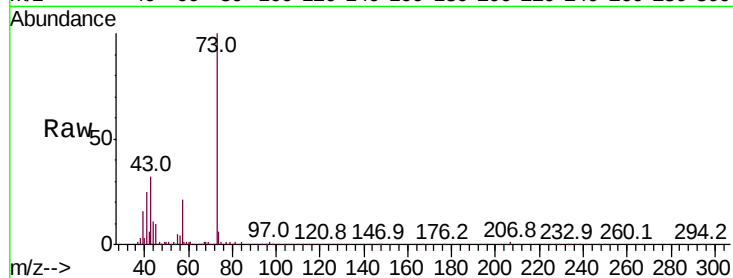




#19
Methvl tert-butvl Ether
Concen: 21.927 ug/l
RT: 2.54 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

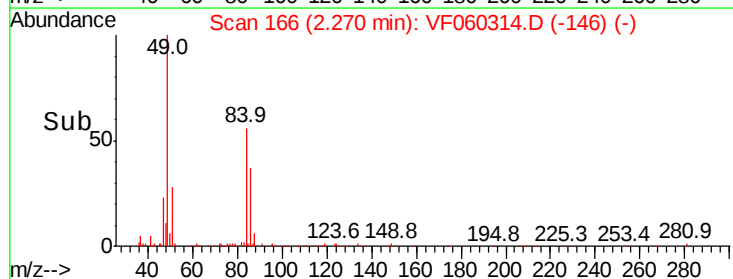
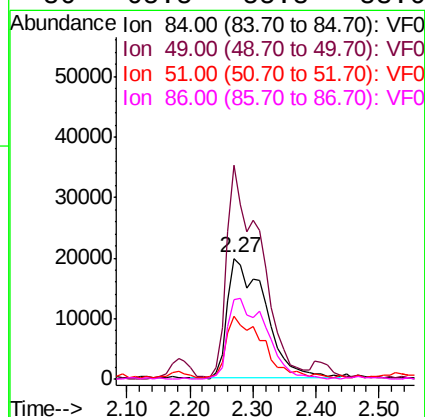
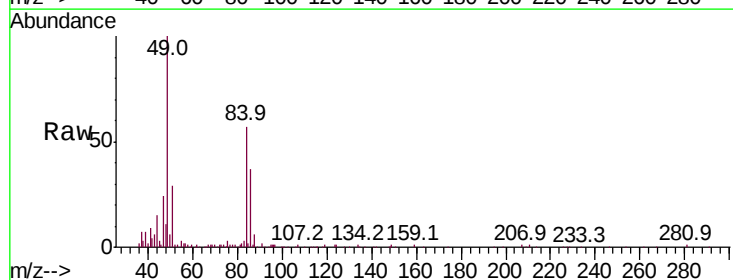
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

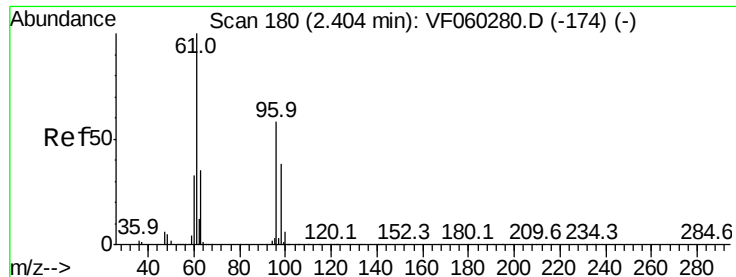
Tot Ion: 73 Resp: 156205
Ion Ratio Lower Upper
73 100
57 21.1 14.5 21.7



#20
Methylene Chloride
Concen: 29.209 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 84 Resp: 83072
Ion Ratio Lower Upper
84 100
49 176.6 118.3 177.5
51 51.8 38.7 58.1
86 65.5 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 23.918 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

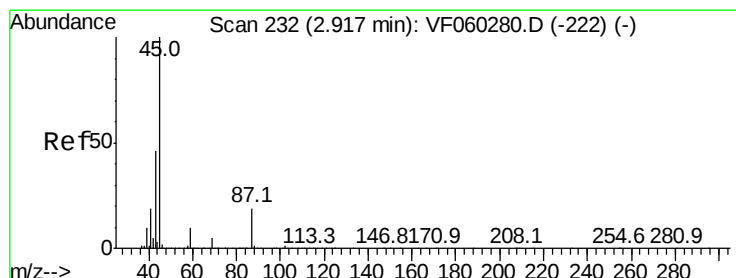
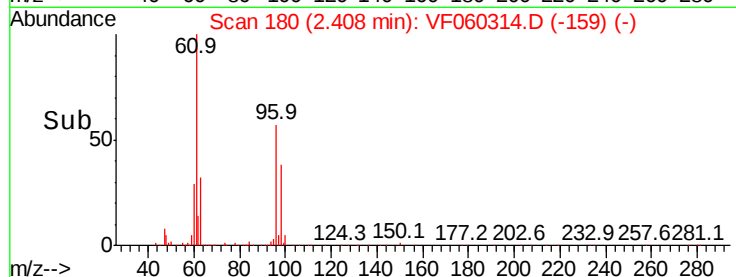
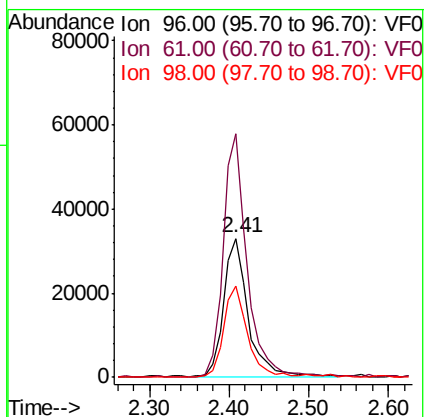
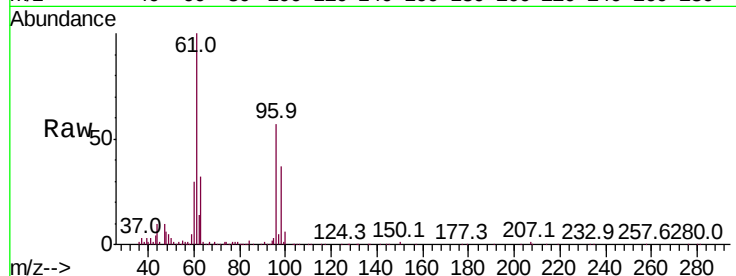
Tot Ion: 96 Resp: 70591

Ion Ratio Lower Upper

96 100

61 175.3 136.4 204.6

98 65.7 51.8 77.6



#22

Diisopropyl ether

Concen: 23.305 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion: 45 Resp: 219257

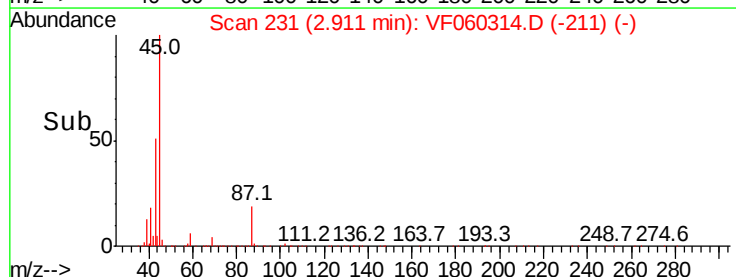
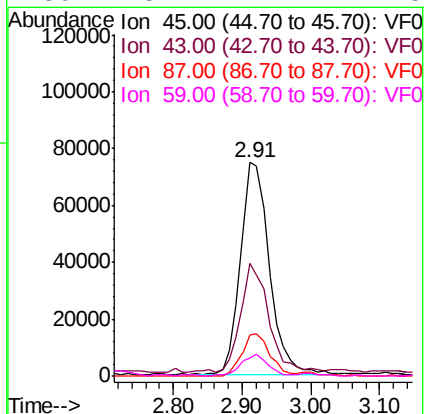
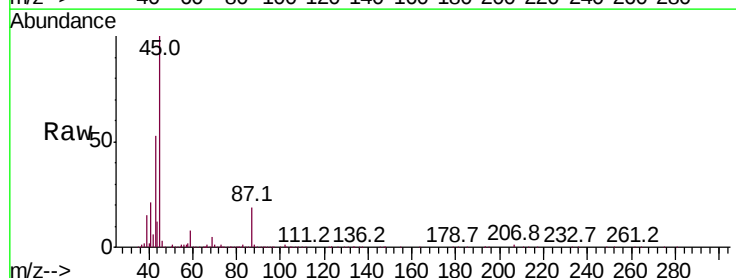
Ion Ratio Lower Upper

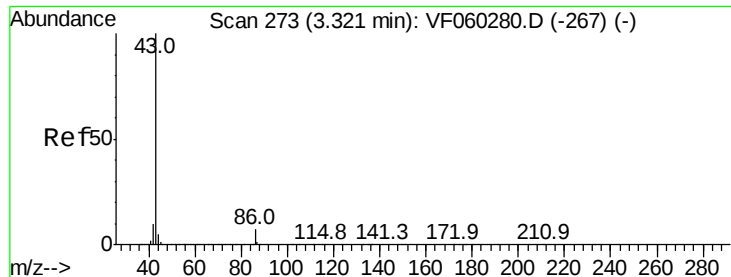
45 100

43 53.0 38.2 57.2

87 19.1 15.5 23.3

59 8.4 7.7 11.5





#23

Vinyl Acetate

Concen: 111.323 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

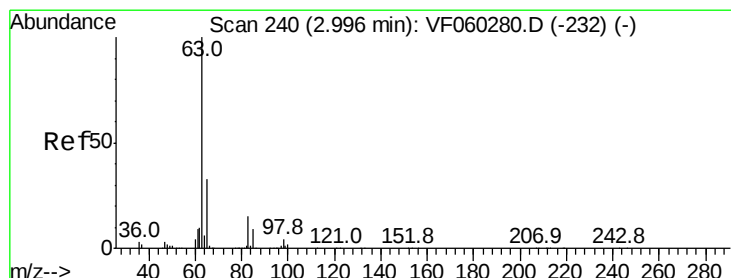
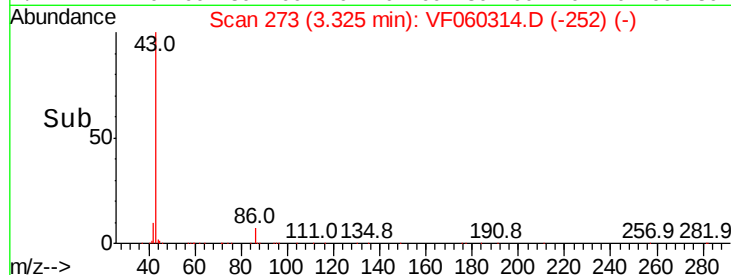
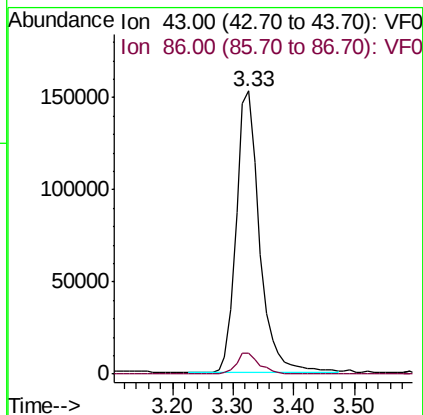
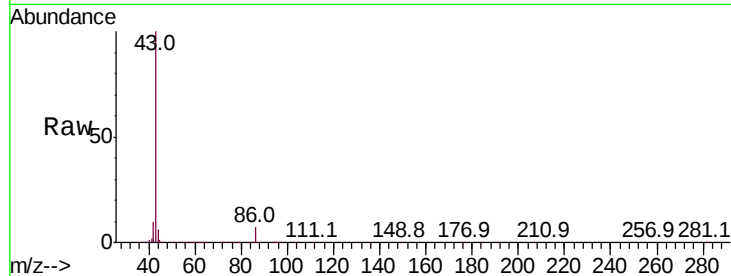
VF0921SBS01

Tot Ion: 43 Resp: 411353

Ion Ratio Lower Upper

43 100

86 7.5 5.9 8.9



#24

1,1-Dichloroethane

Concen: 23.009 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

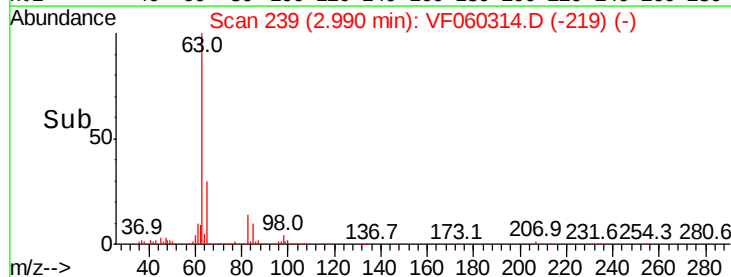
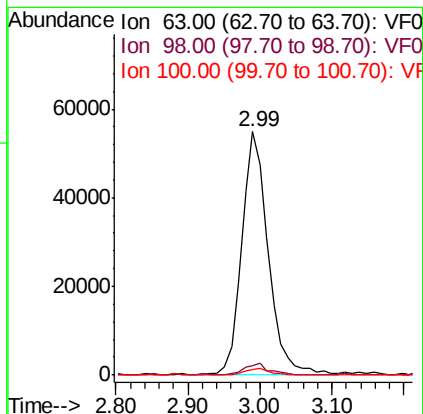
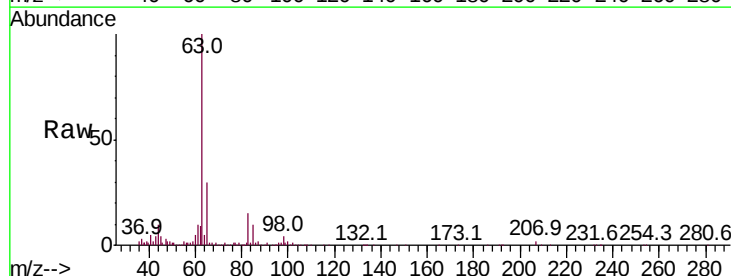
Tgt Ion: 63 Resp: 140394

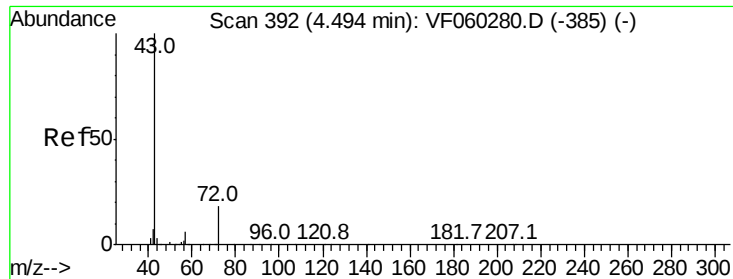
Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

100 2.3 1.1 3.3





#25

2-Butanone

Concen: 107.223 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

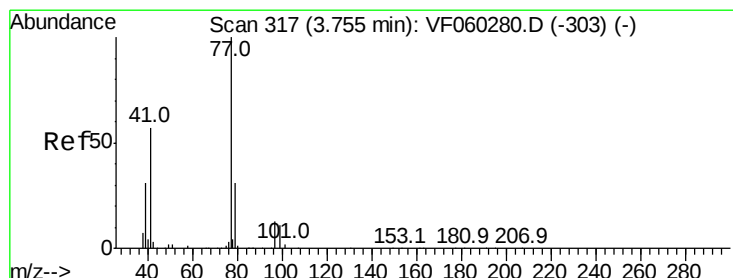
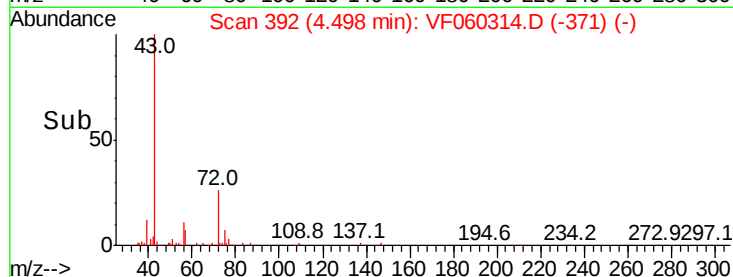
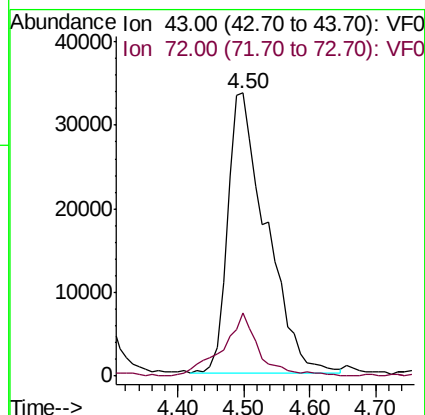
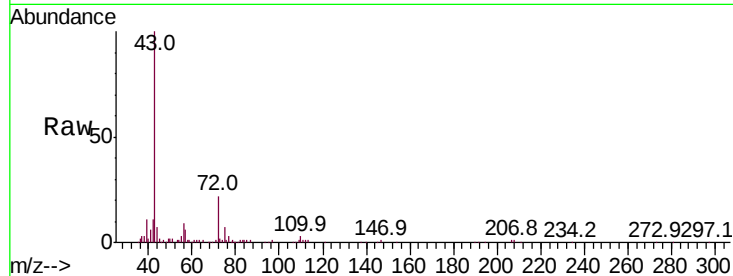
VF0921SBS01

Tot Ion: 43 Resp: 137426

Ion Ratio Lower Upper

43 100

72 22.1 16.2 24.2



#26

2,2-Dichloropropane

Concen: 25.442 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060314.D

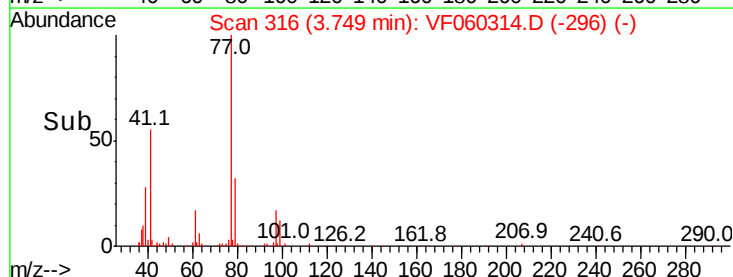
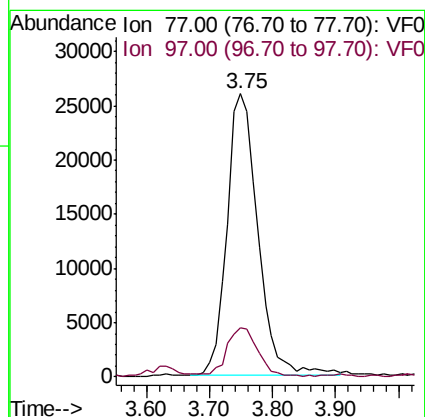
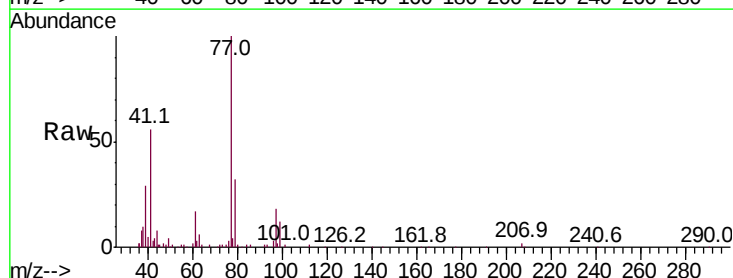
Acq: 21 Sep 2018 14:13

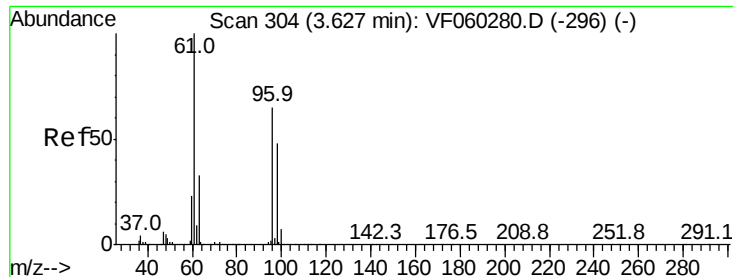
Tgt Ion: 77 Resp: 88575

Ion Ratio Lower Upper

77 100

97 17.5 9.3 27.9



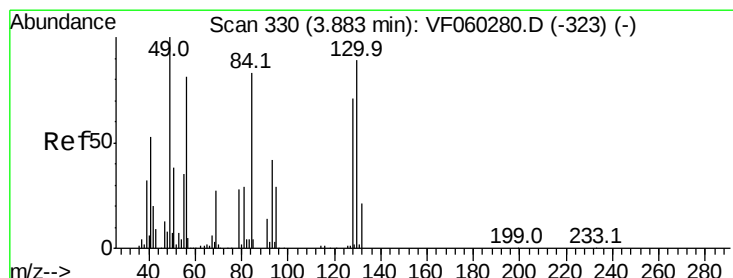
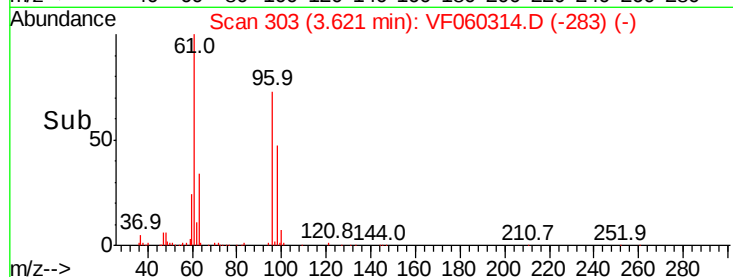
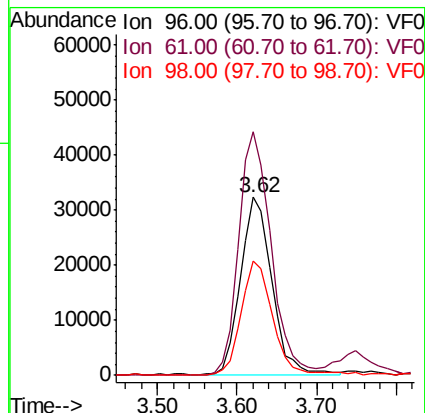
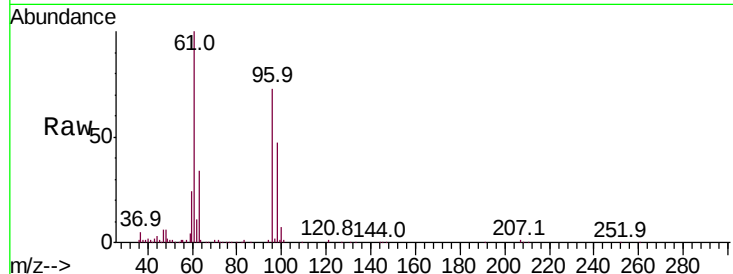


#27

cis-1,2-Dichloroethene
Concen: 22.577 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

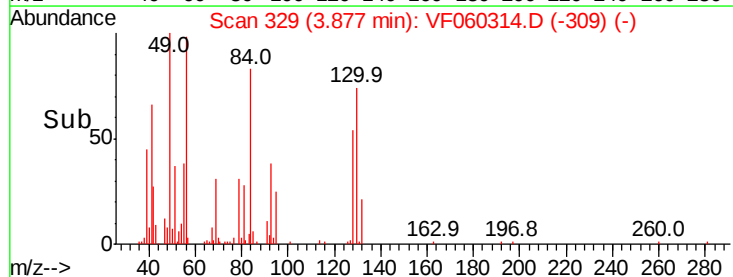
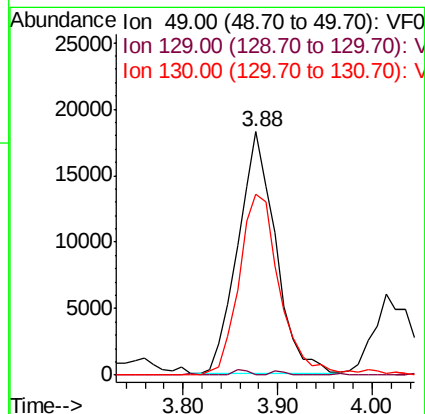
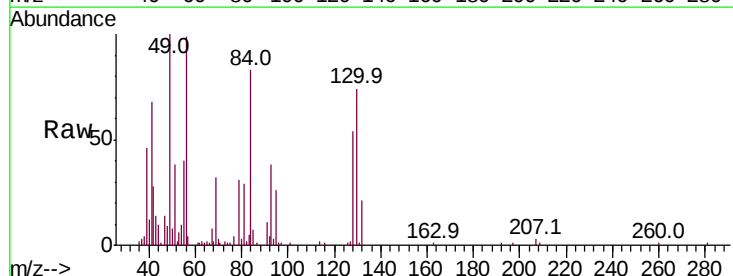
Tot Ion	96	Resp	87538
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	304.8
98	63.9	0.0	146.4

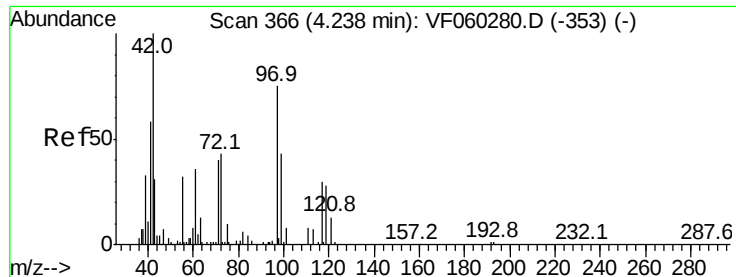


#28

Bromochloromethane
Concen: 21.133 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion	49	Resp	50202
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	74.1	70.3	105.5





#29

Tetrahydrofuran

Concen: 104.961 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

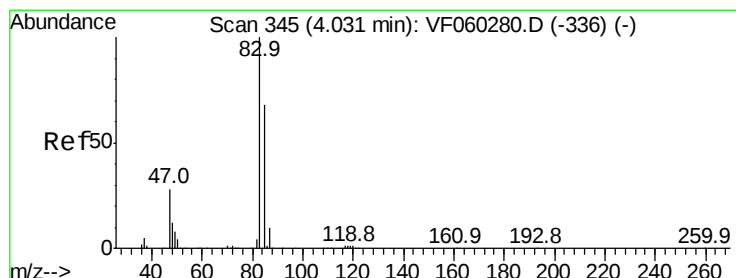
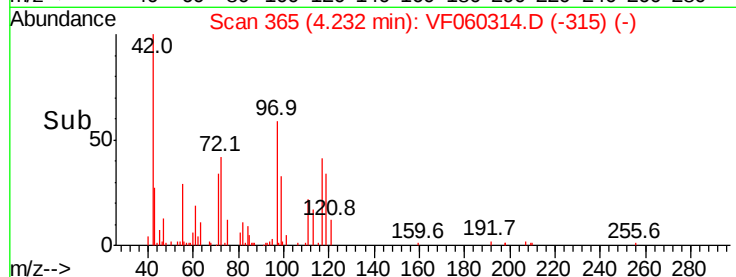
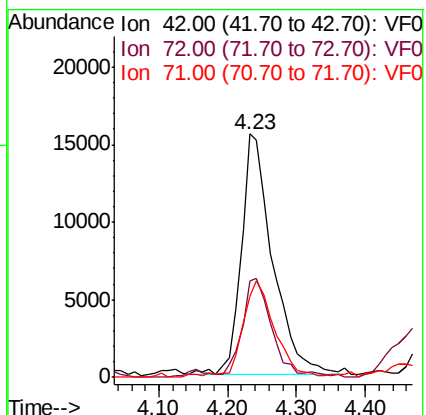
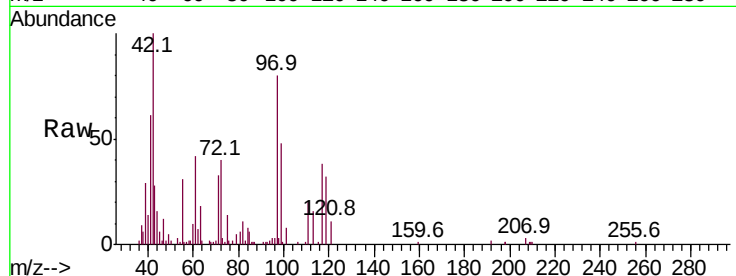
Tot Ion: 42 Resp: 49264

Ion Ratio Lower Upper

42 100

72 39.5 32.6 49.0

71 40.9 32.7 49.1



#30

Chloroform

Concen: 22.772 ug/l

RT: 4.03 min Scan# 344

Delta R.T. -0.01 min

Lab File: VF060314.D

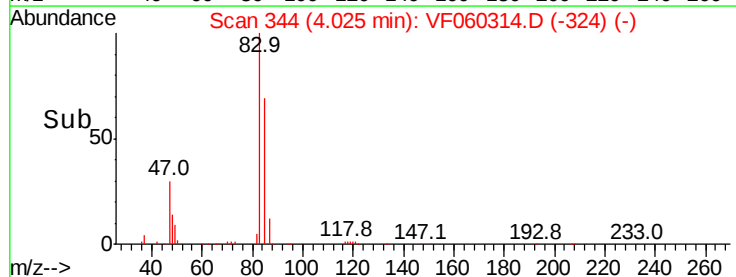
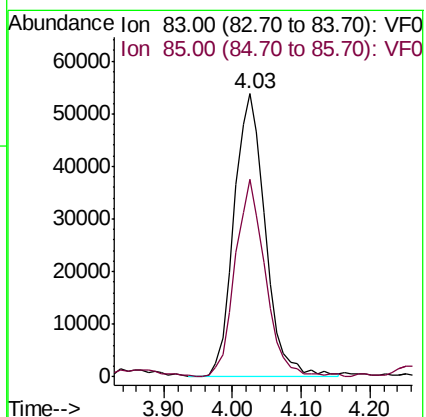
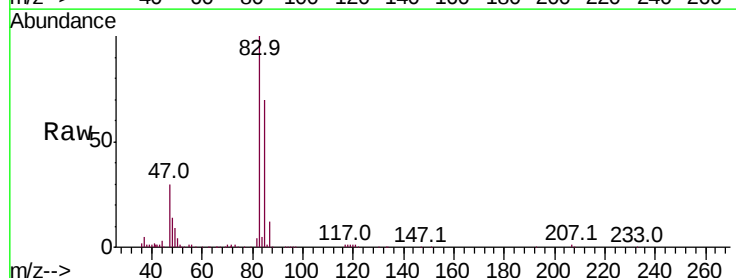
Acq: 21 Sep 2018 14:13

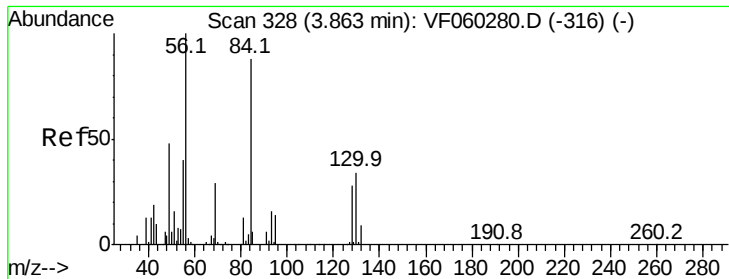
Tgt Ion: 83 Resp: 167656

Ion Ratio Lower Upper

83 100

85 69.9 54.9 82.3

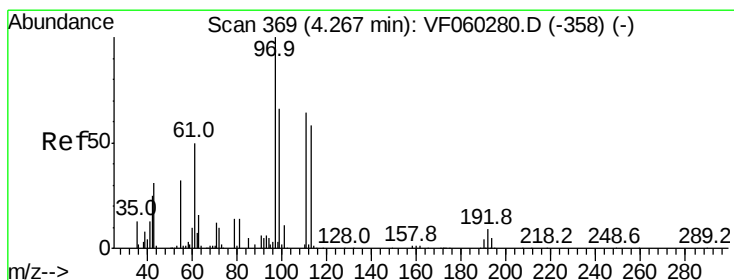
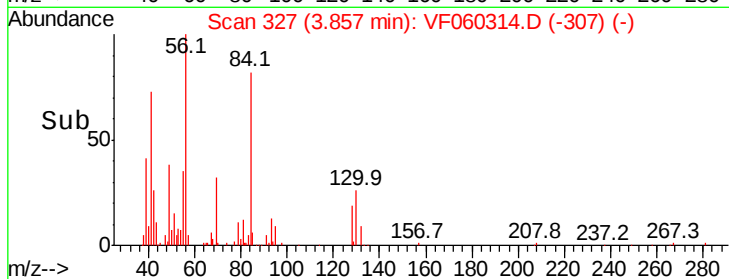
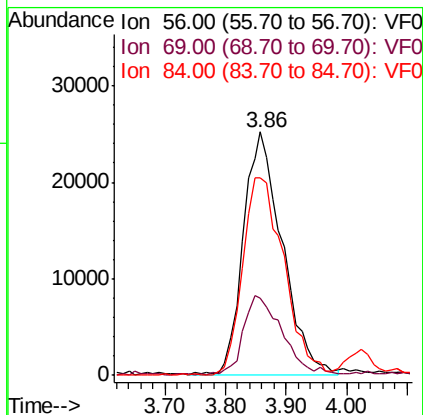
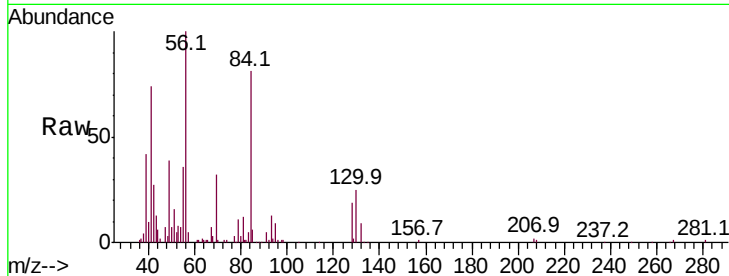




#31
Cyclohexane
Concen: 21.915 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

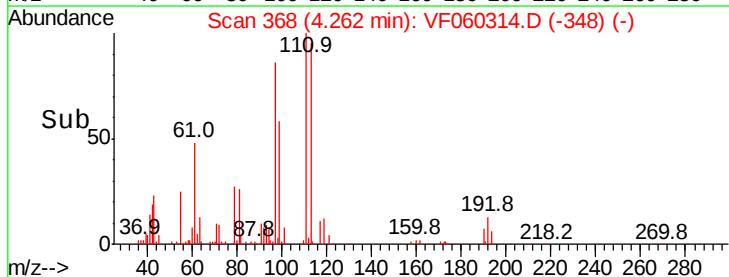
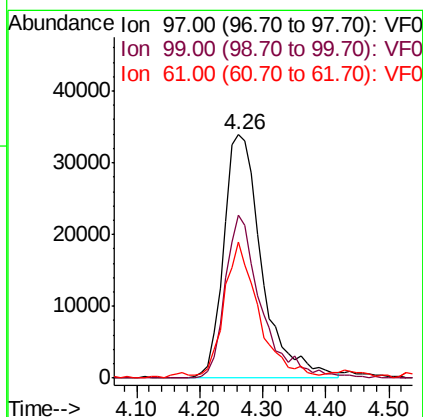
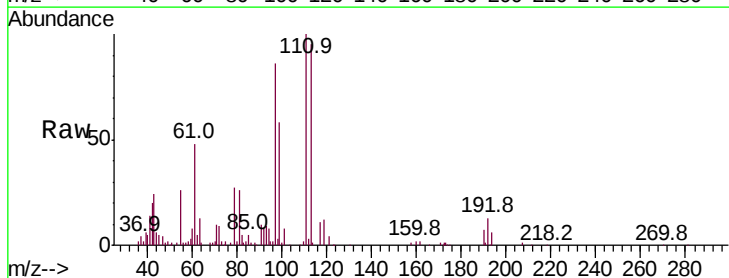
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

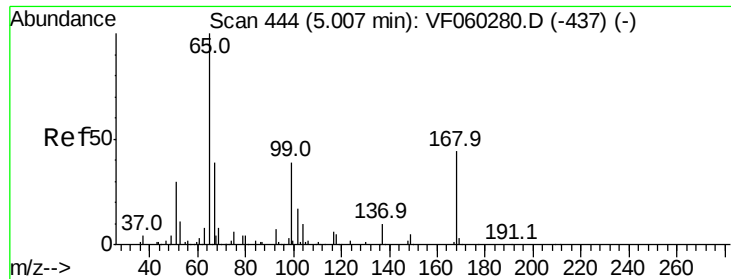
Tot Ion: 56 Resp: 112949
Ion Ratio Lower Upper
56 100
69 31.9 23.8 35.6
84 81.1 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 24.518 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 97 Resp: 142433
Ion Ratio Lower Upper
97 100
99 67.1 53.0 79.4
61 56.0 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 51.105 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

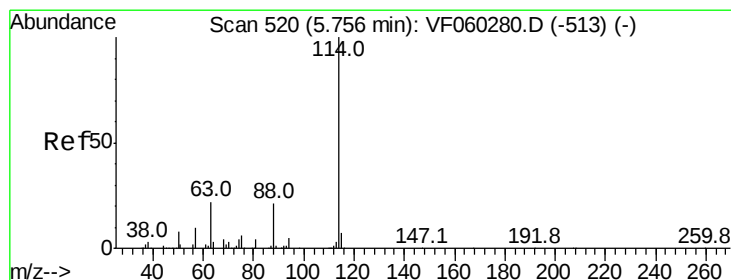
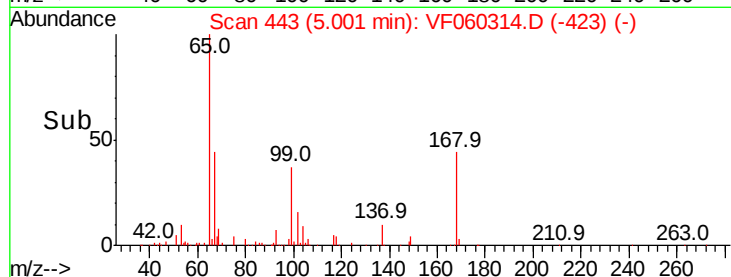
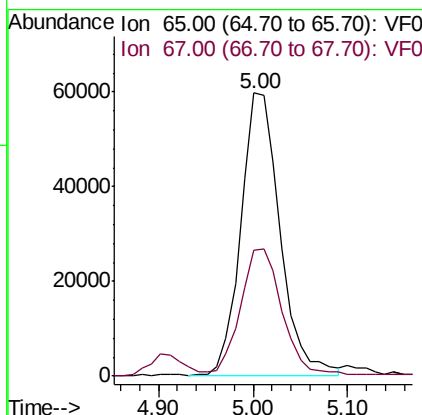
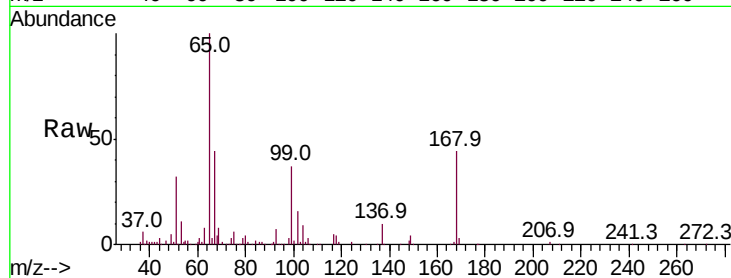
Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :
MSVOA_F
ClientSampleId :
VF0921SBSD01

Tot Ion: 65 Resp: 172797

Ion	Ratio	Lower	Upper
65	100		
67	44.5	0.0	94.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

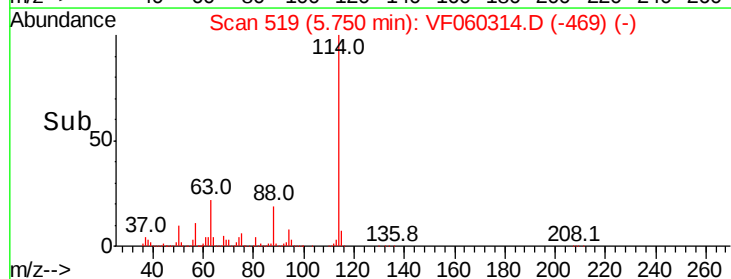
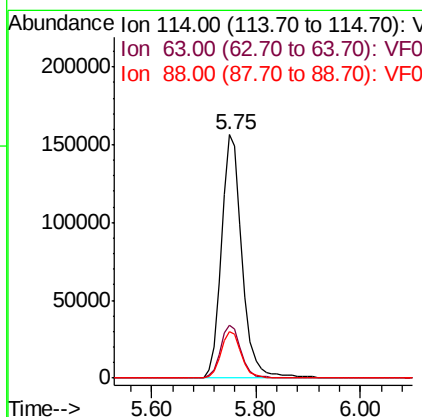
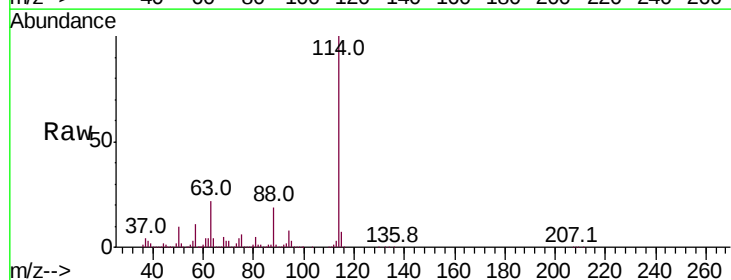
Delta R.T. -0.01 min

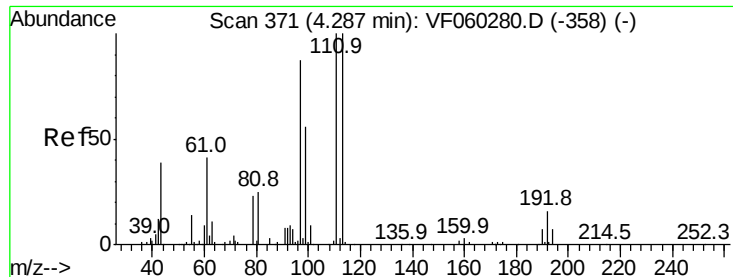
Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion: 114 Resp: 427324

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	19.3	0.0	41.2

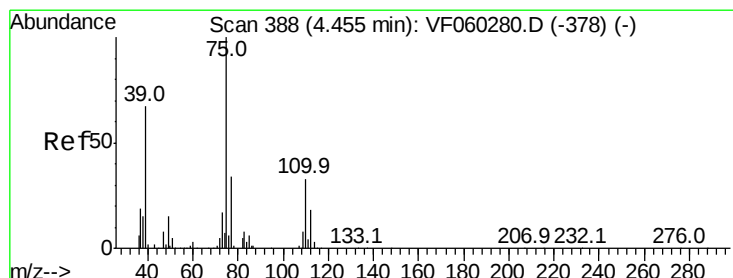
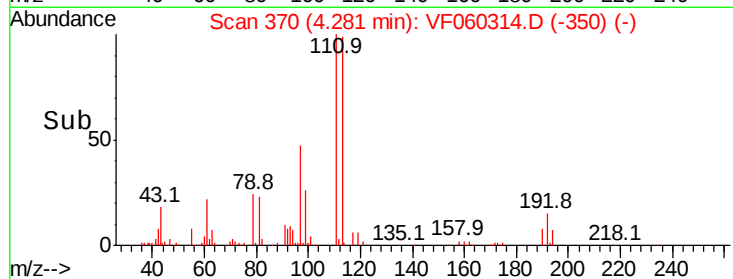
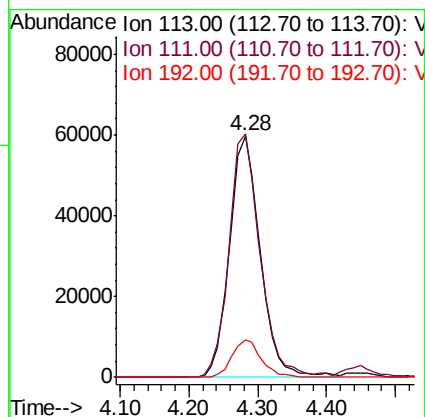
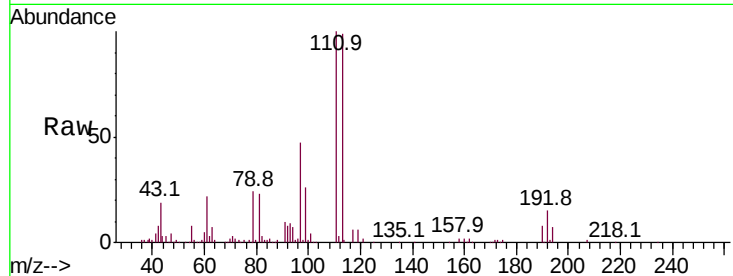




#35
 Dibromofluoromethane
 Concen: 48.606 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

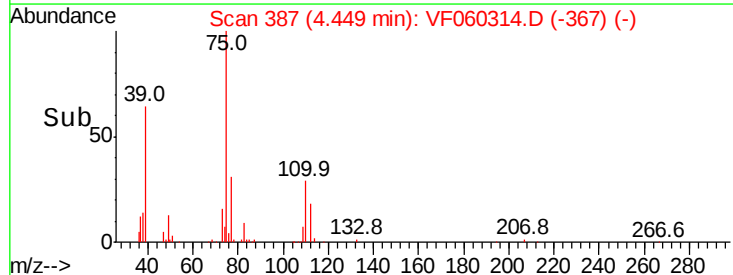
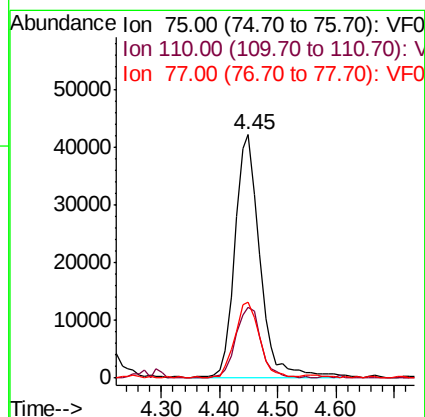
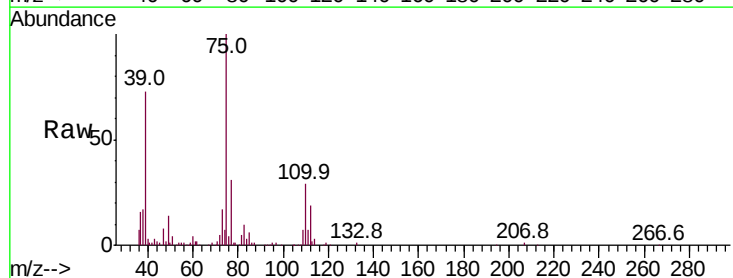
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

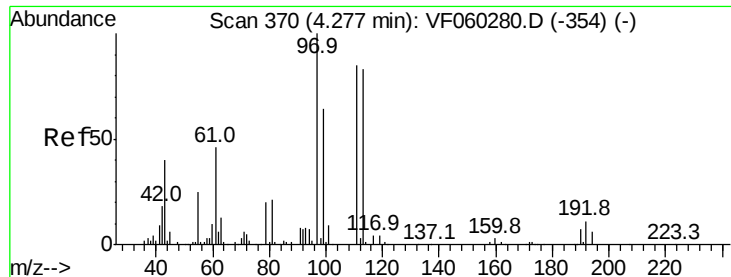
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	79.6	119.4
192	15.4	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 23.910 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	16.4	49.2
77	31.1	27.3	40.9





#37

Ethyl Acetate

Concen: 19.838 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

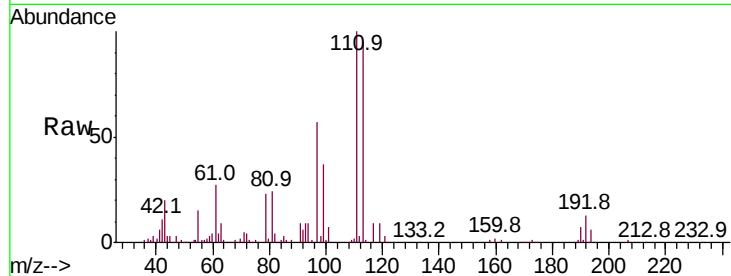
Tot Ion: 43 Resp: 44742

Ion Ratio Lower Upper

43 100

61 137.2 91.1 136.7#

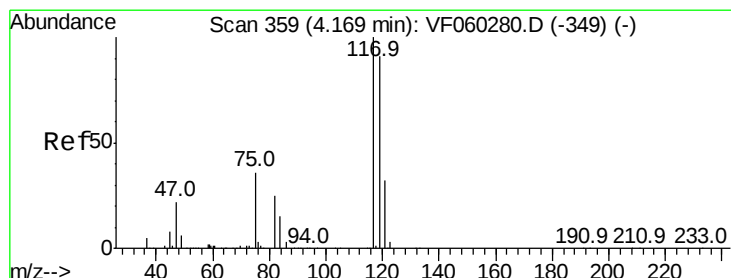
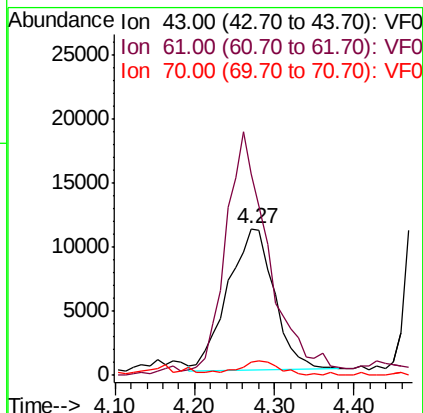
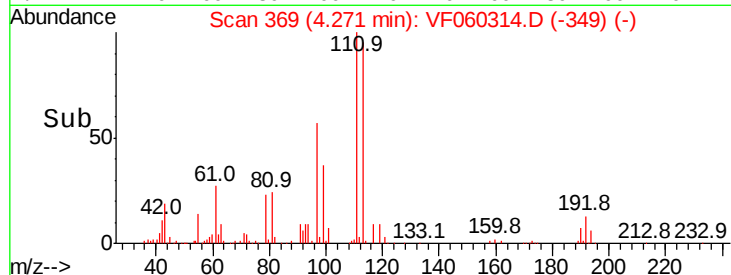
70 9.1 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 27.570 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

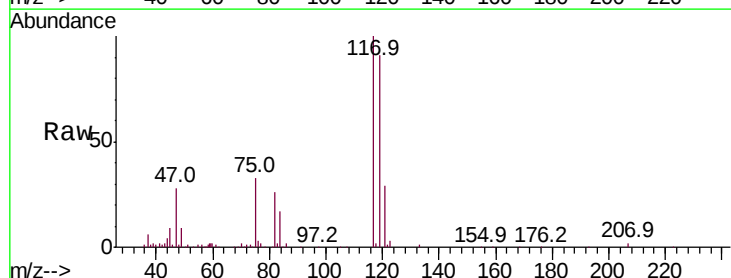
Tgt Ion: 117 Resp: 157848

Ion Ratio Lower Upper

117 100

119 90.9 73.0 109.6

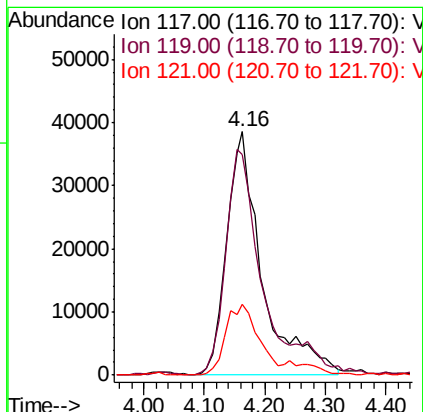
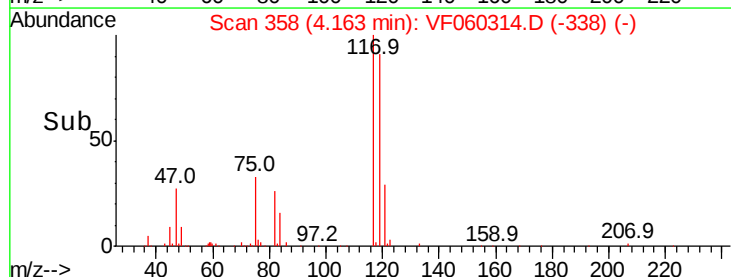
121 29.2 25.4 38.2

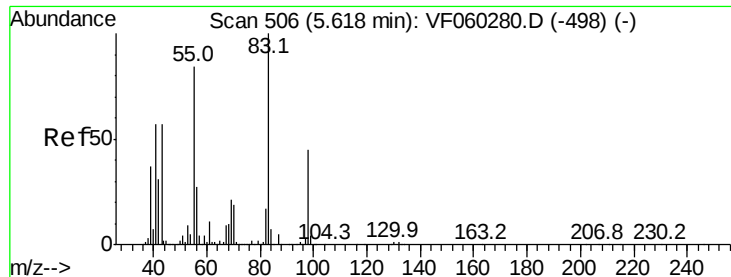


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

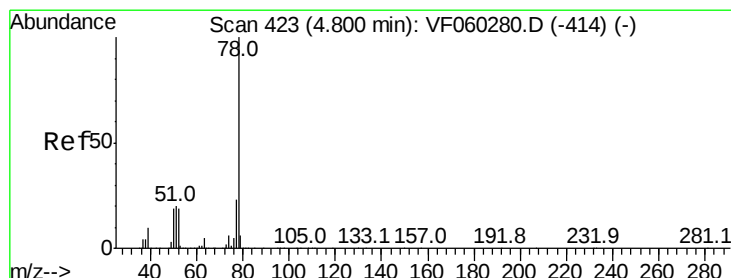
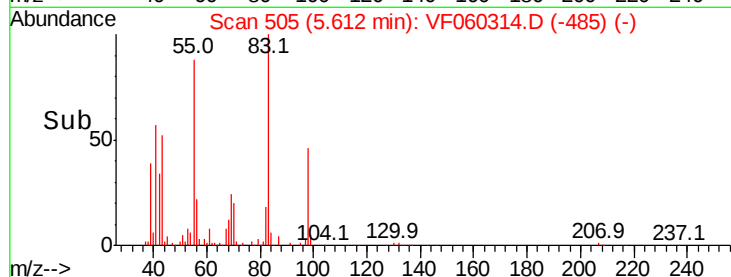
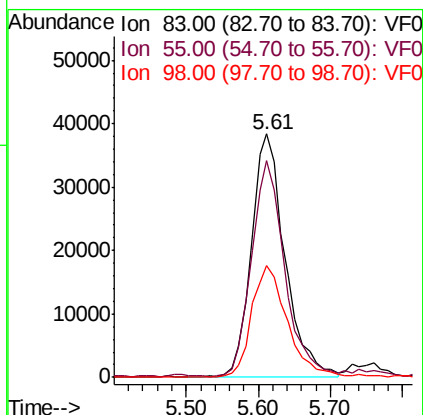
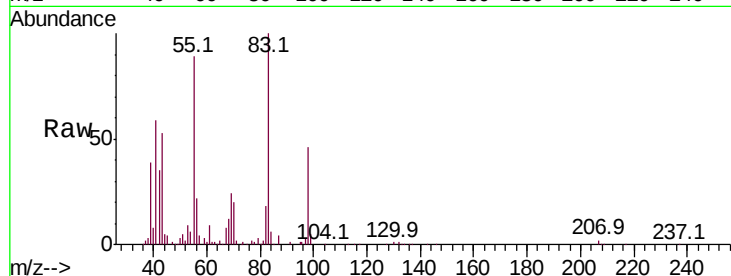




#39
Methylcyclohexane
Concen: 21.704 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

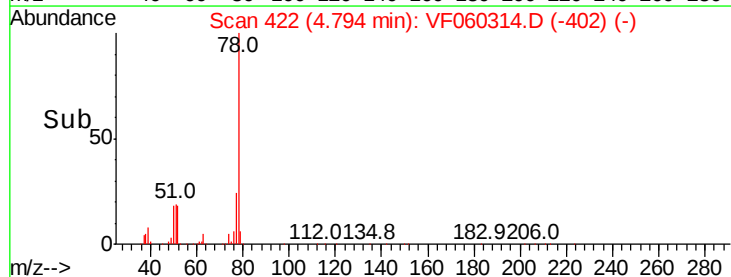
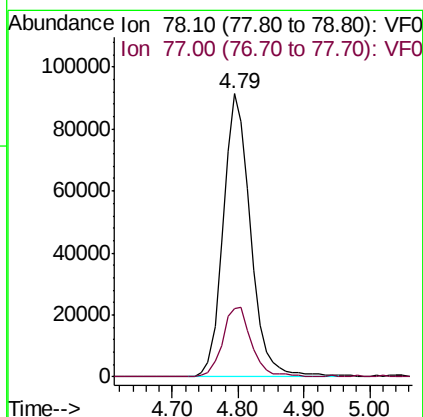
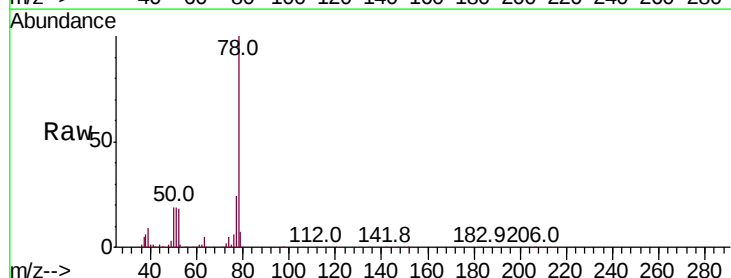
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

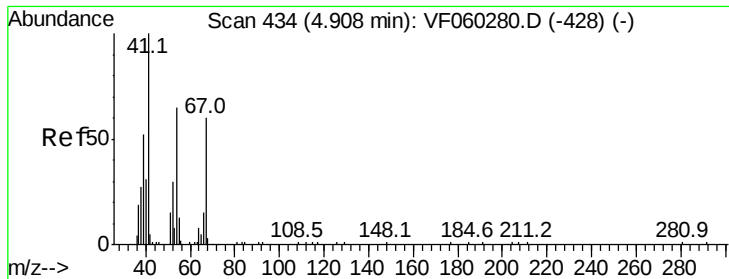
Tot Ion: 83 Resp: 125386
Ion Ratio Lower Upper
83 100
55 89.0 67.3 100.9
98 46.1 36.1 54.1



#40
Benzene
Concen: 22.004 ug/l
RT: 4.79 min Scan# 422
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 78 Resp: 265943
Ion Ratio Lower Upper
78 100
77 24.1 18.4 27.6





#41

Methacrylonitrile

Concen: 21.021 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 41 Resp: 25726

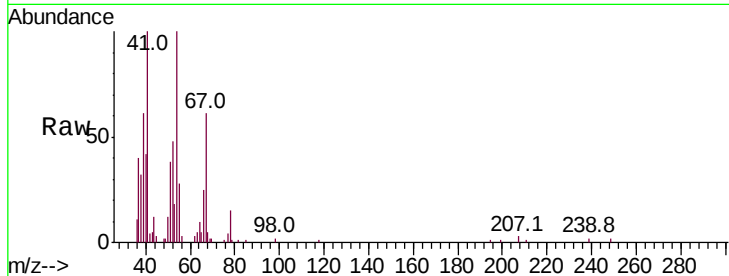
Ion Ratio Lower Upper

41 100

39 61.3 49.1 73.7

67 60.9 48.2 72.4

52 47.7 35.8 53.8

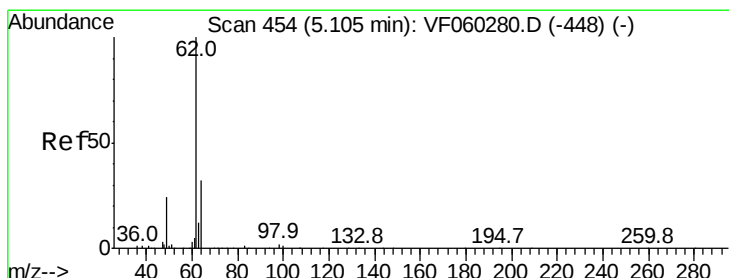
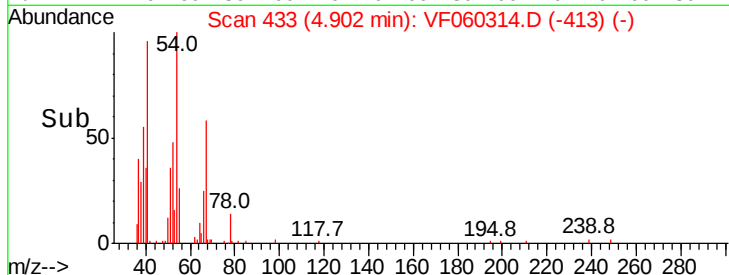
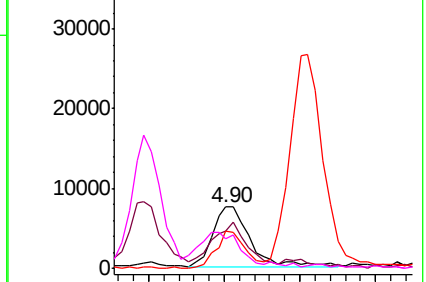


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.602 ug/l

RT: 5.10 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF060314.D

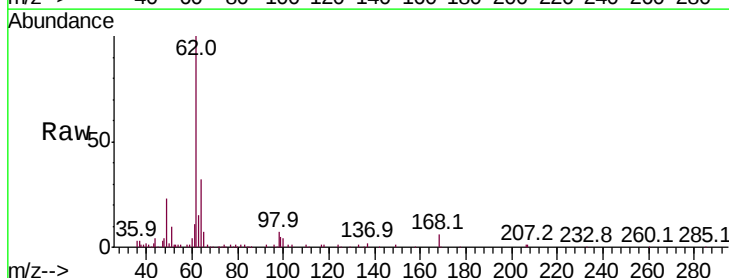
Acq: 21 Sep 2018 14:13

Tgt Ion: 62 Resp: 100550

Ion Ratio Lower Upper

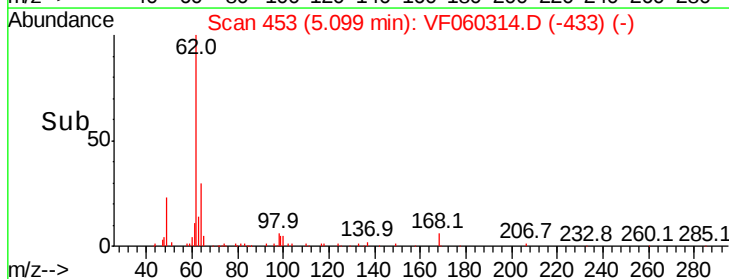
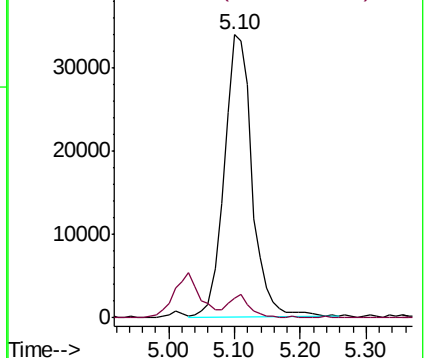
62 100

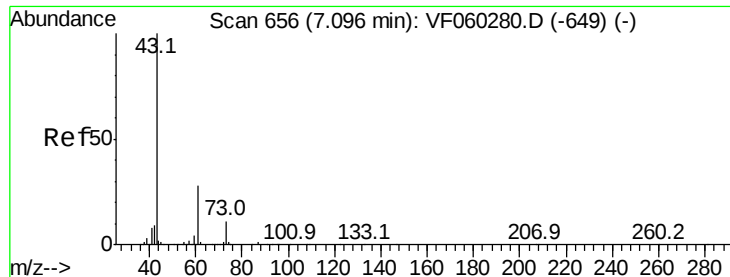
98 6.8 0.0 14.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



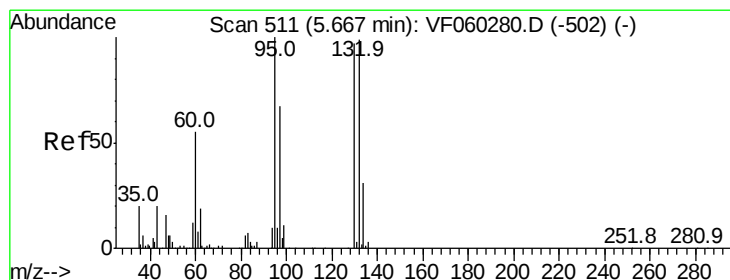
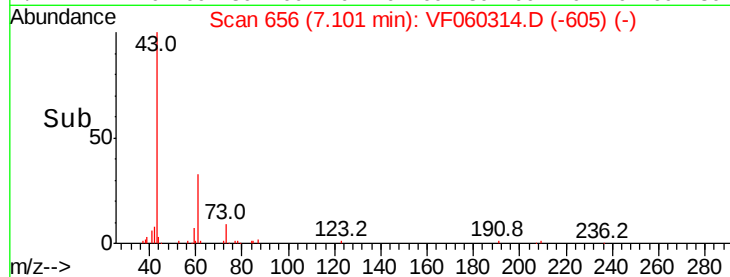
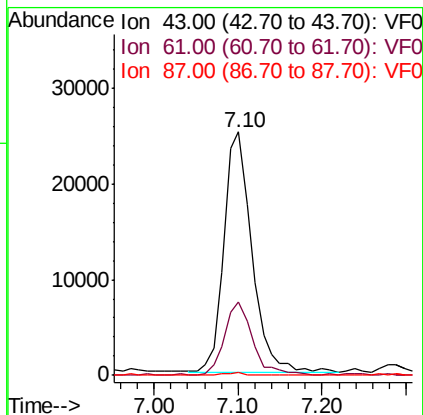
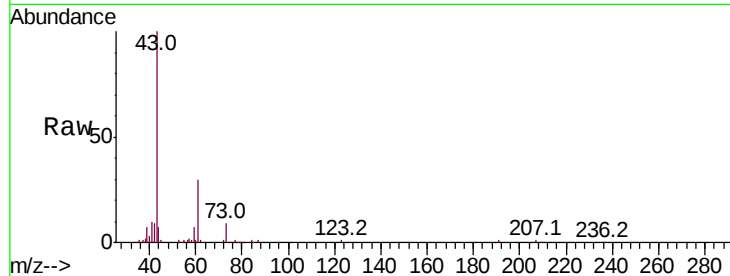


#43

Isopropyl Acetate
 Concen: 21.561 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

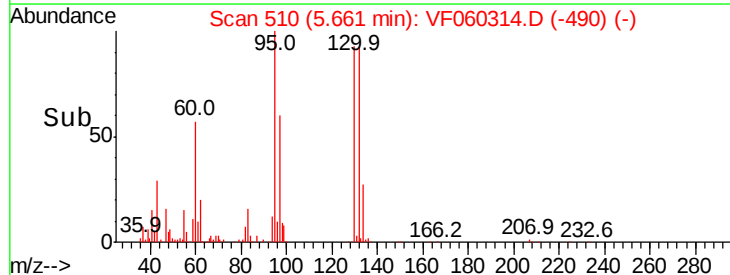
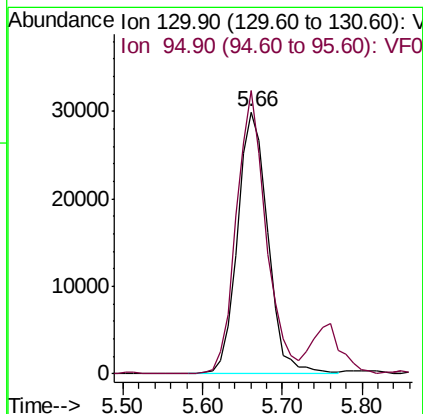
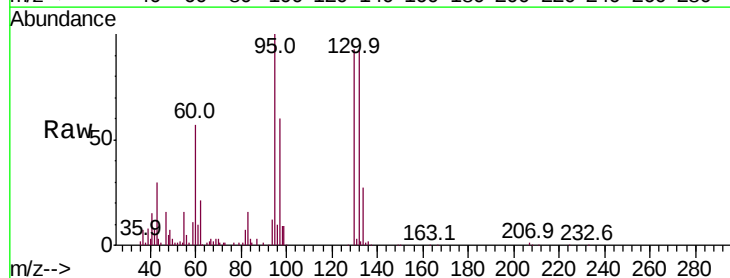
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.4	33.6
87	1.4	0.6	0.8

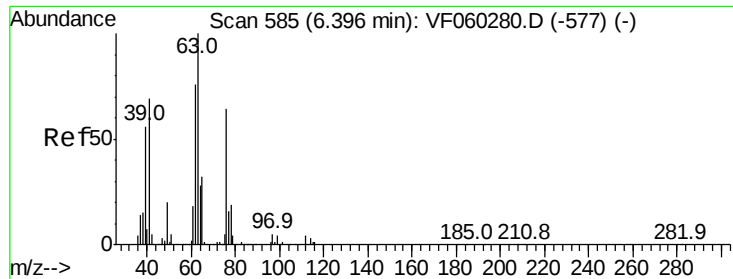


#44

Trichloroethene
 Concen: 21.881 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	205.6





#45

1,2-Dichloropropane

Concen: 22.302 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

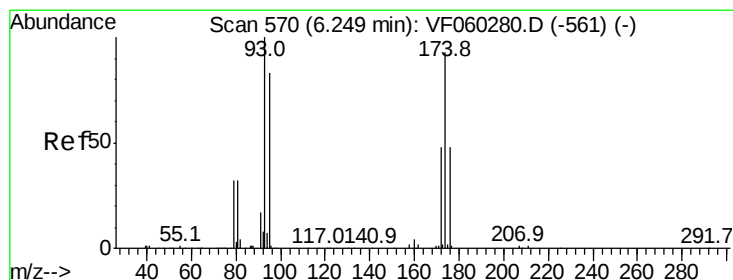
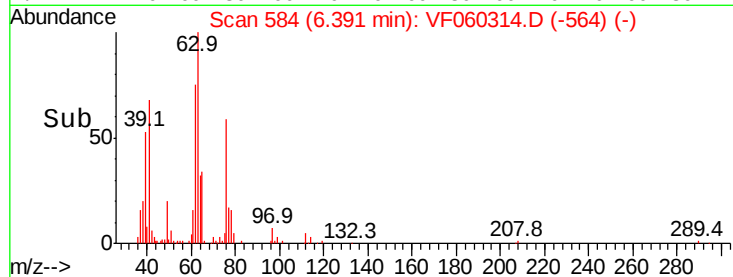
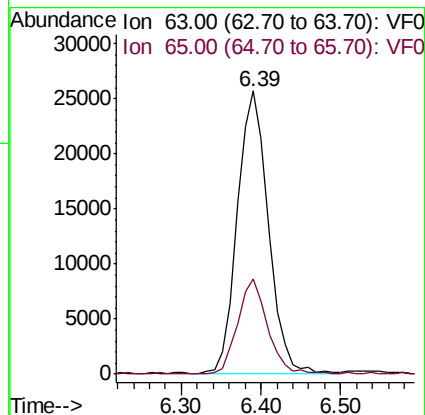
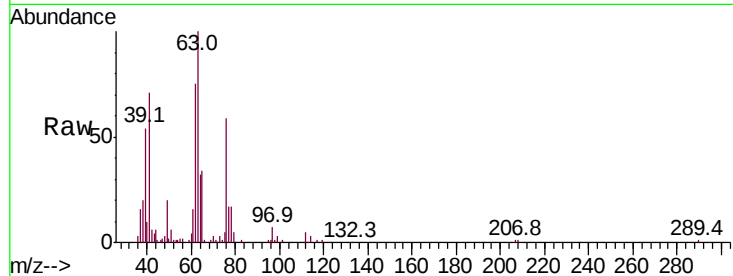
VF0921SBS01

Tot Ion: 63 Resp: 69760

Ion Ratio Lower Upper

63 100

65 33.9 26.2 39.4



#46

Dibromomethane

Concen: 20.758 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

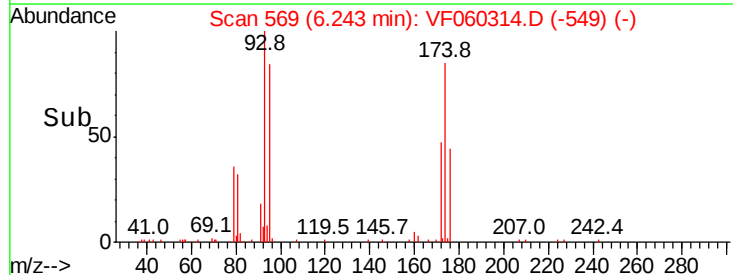
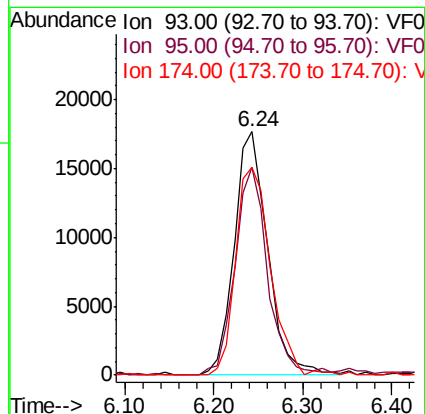
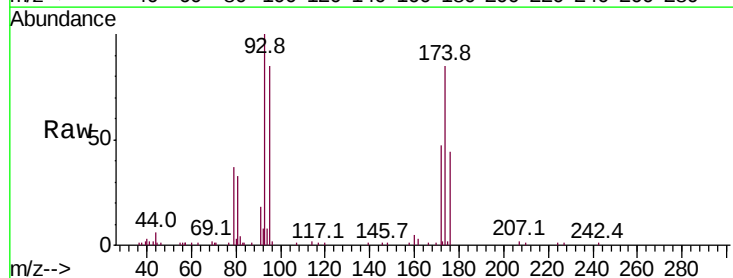
Tgt Ion: 93 Resp: 46413

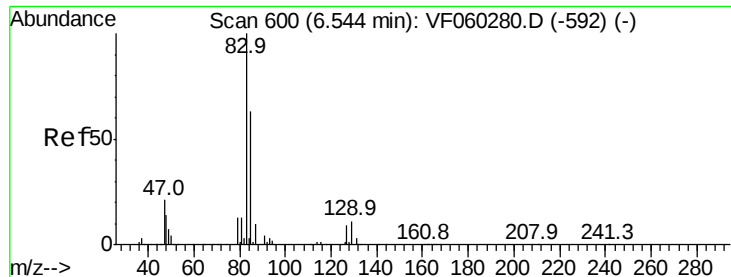
Ion Ratio Lower Upper

93 100

95 85.1 67.0 100.6

174 85.5 74.8 112.2





#47

Bromodichloromethane

Concen: 21.516 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

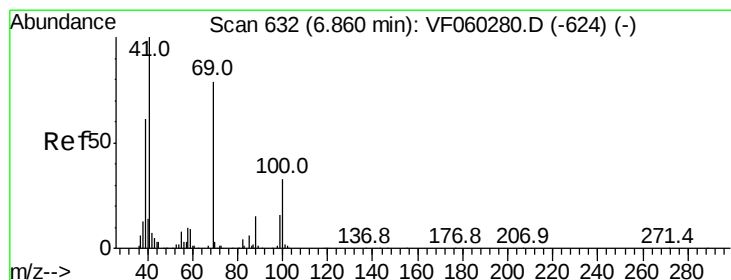
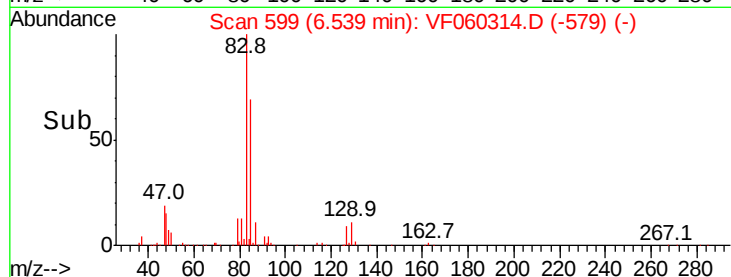
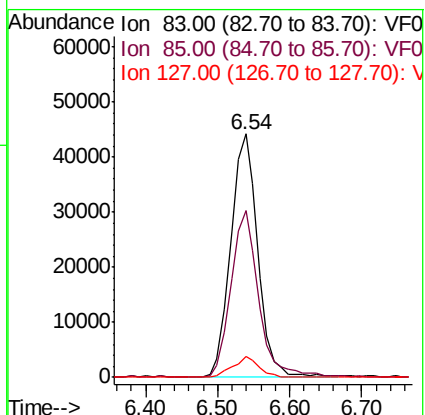
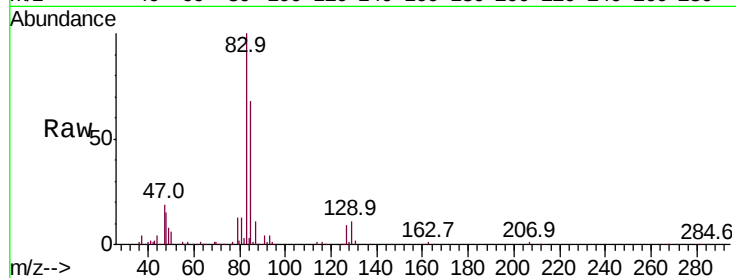
Tot Ion: 83 Resp: 115608

Ion Ratio Lower Upper

83 100

85 68.3 50.6 76.0

127 8.7 7.1 10.7



#48

Methyl methacrylate

Concen: 20.013 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

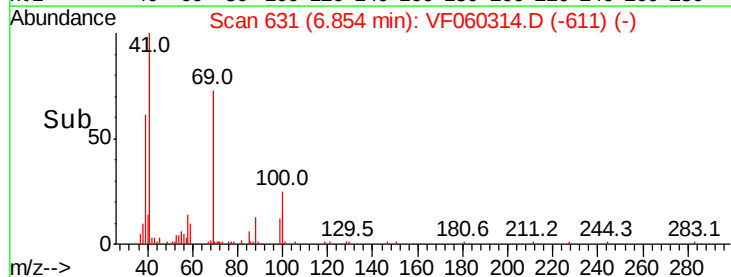
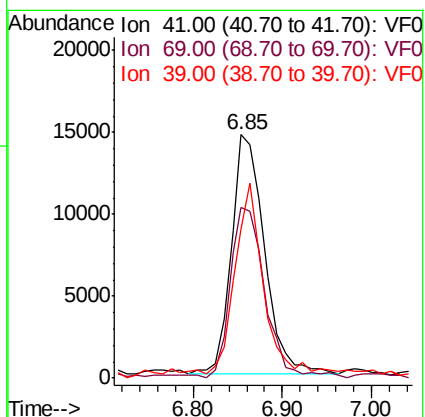
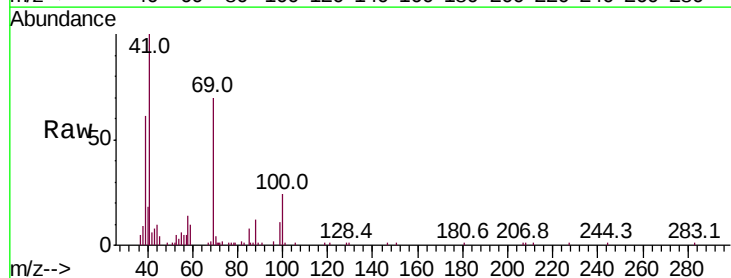
Tgt Ion: 41 Resp: 38145

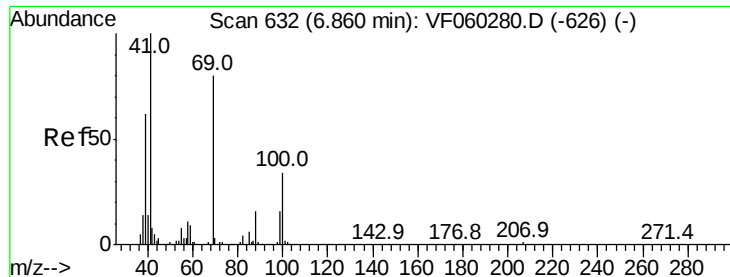
Ion Ratio Lower Upper

41 100

69 70.3 62.6 94.0

39 61.4 49.1 73.7

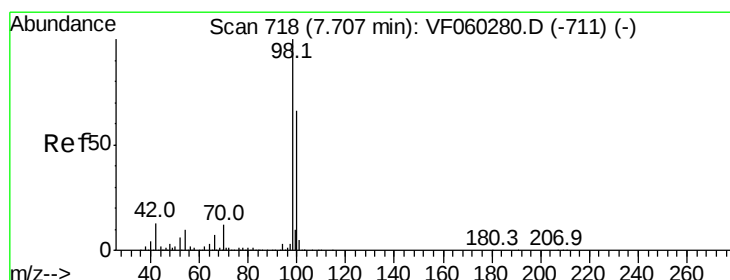
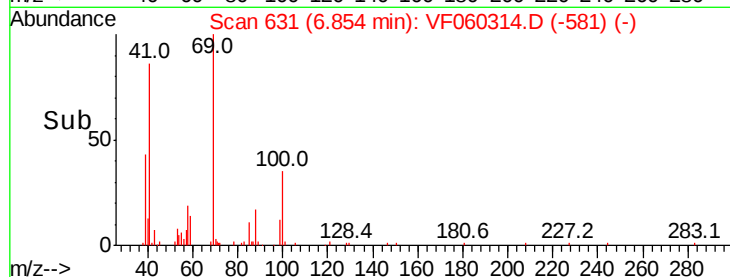
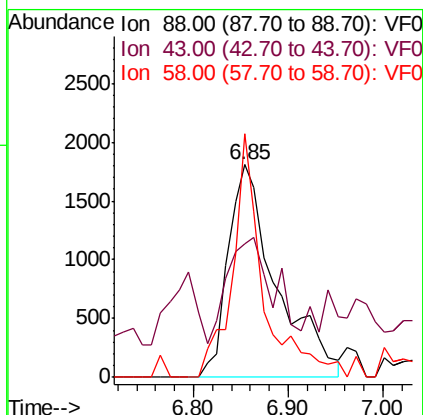
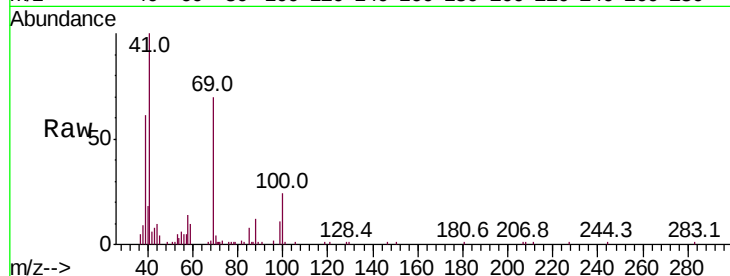




#49
1,4-Dioxane
Concen: 376.500 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

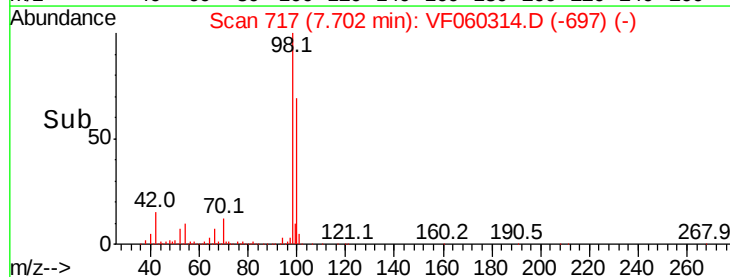
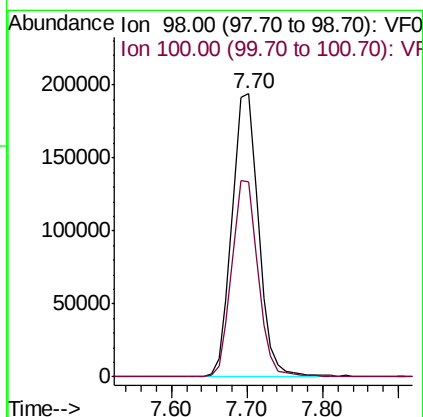
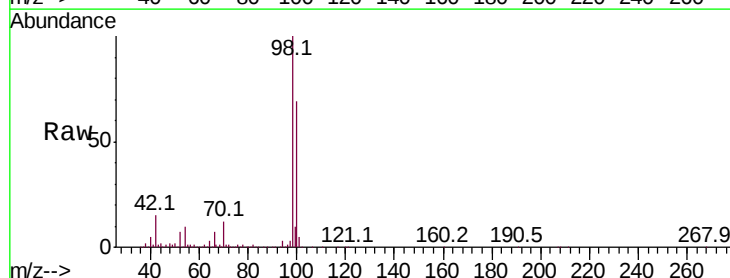
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

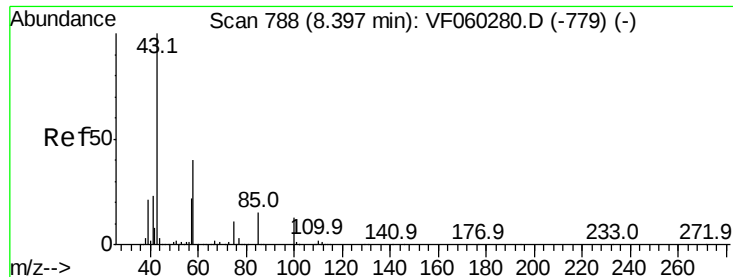
Tot Ion: 88 Resp: 6411
Ion Ratio Lower Upper
88 100
43 62.8 40.2 60.4#
58 114.4 56.7 85.1#



#50
Toluene-d8
Concen: 47.441 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 98 Resp: 470629
Ion Ratio Lower Upper
98 100
100 69.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 102.558 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

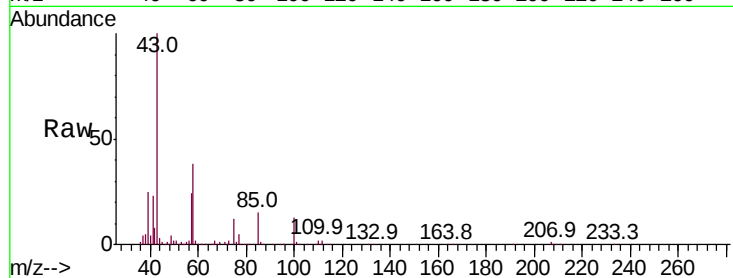
VF0921SBS01

Tot Ion: 43 Resp: 214622

Ion Ratio Lower Upper

43 100

58 38.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

100000

80000

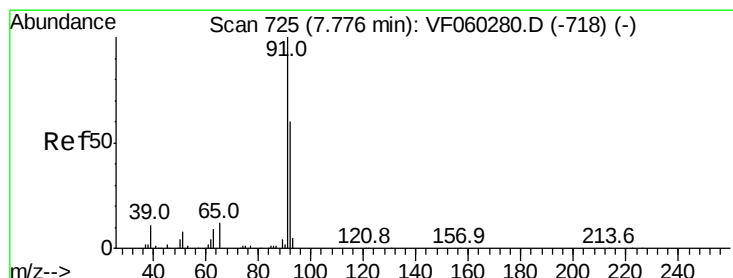
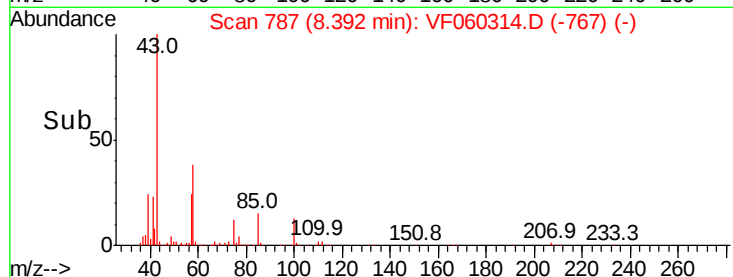
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.043 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060314.D

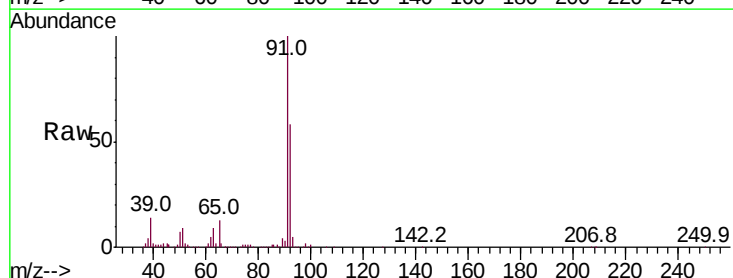
Acq: 21 Sep 2018 14:13

Tgt Ion: 92 Resp: 160896

Ion Ratio Lower Upper

92 100

91 172.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

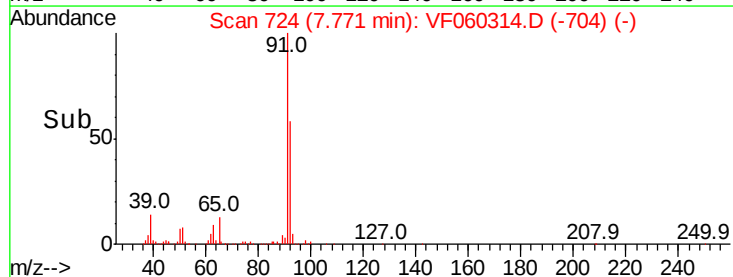
7.77

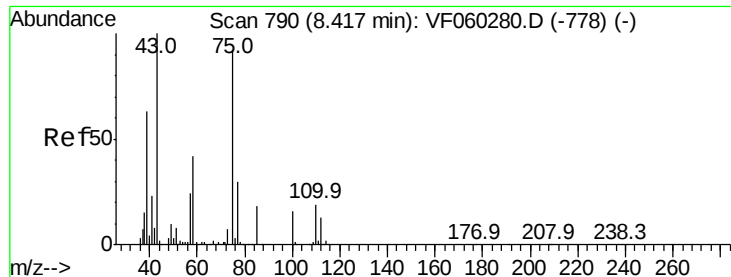
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.452 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

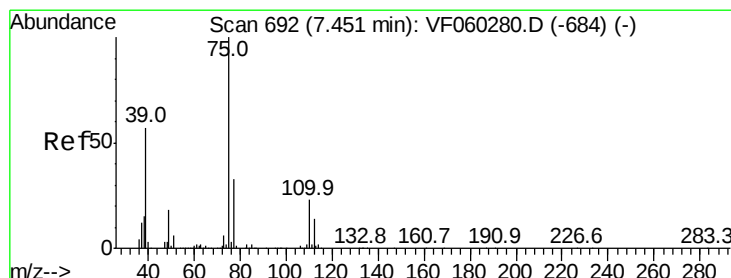
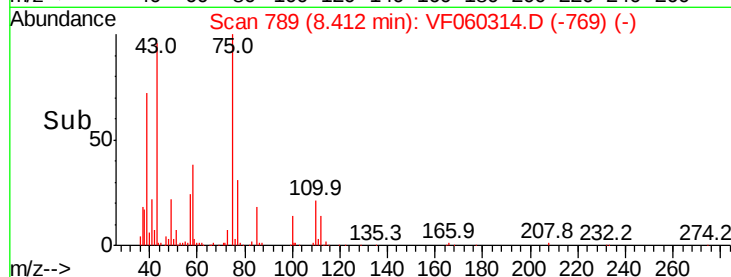
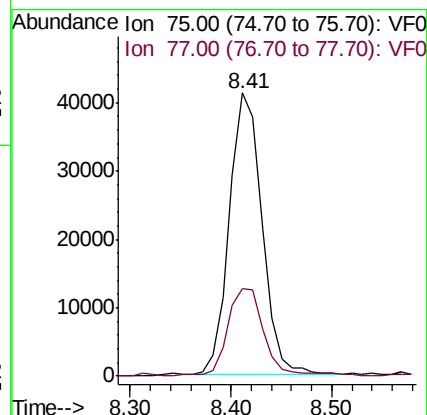
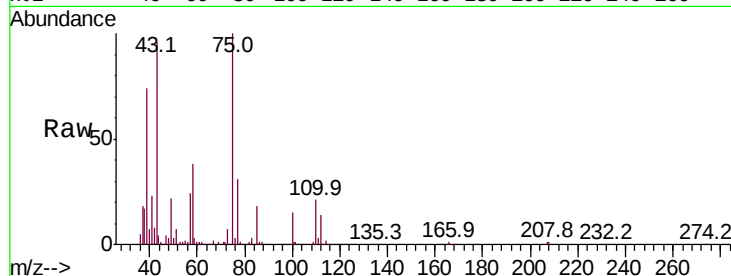
VF0921SBS01

Tot Ion: 75 Resp: 92977

Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 21.420 ug/l

RT: 7.45 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

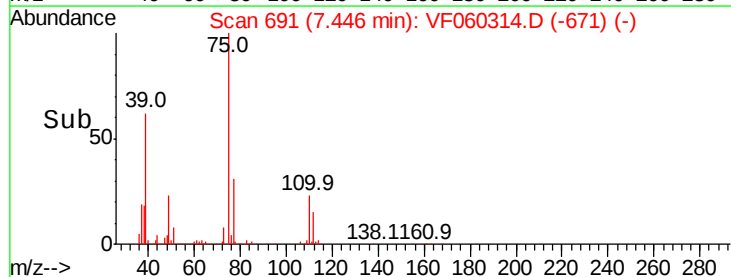
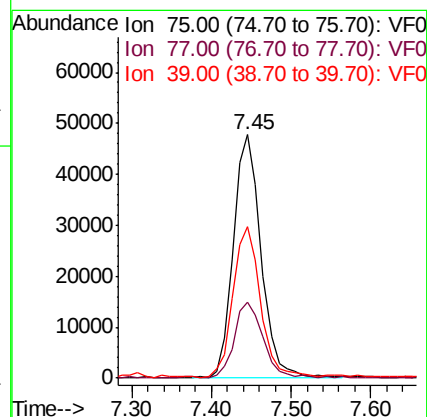
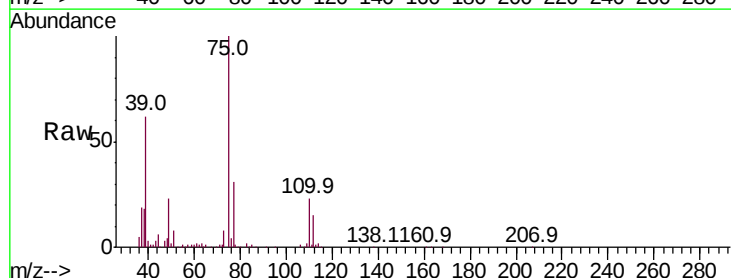
Tgt Ion: 75 Resp: 116954

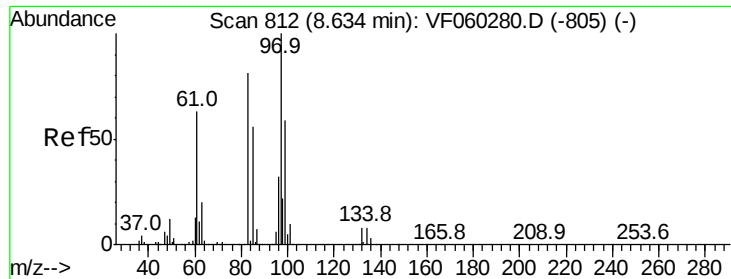
Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5

39 62.2 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.463 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

Tot Ion: 97 Resp: 49809

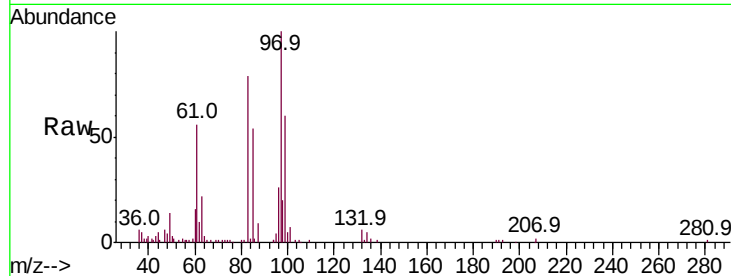
Ion Ratio Lower Upper

97 100

83 79.2 65.3 97.9

85 53.8 44.7 67.1

99 59.8 47.0 70.4

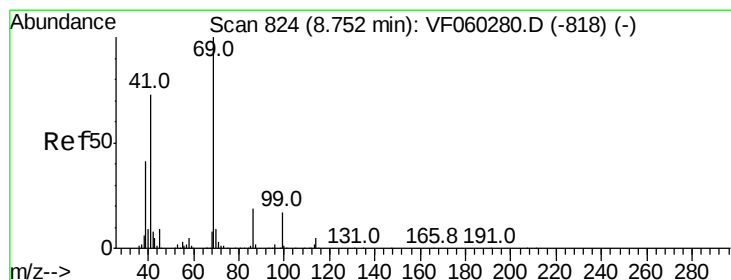
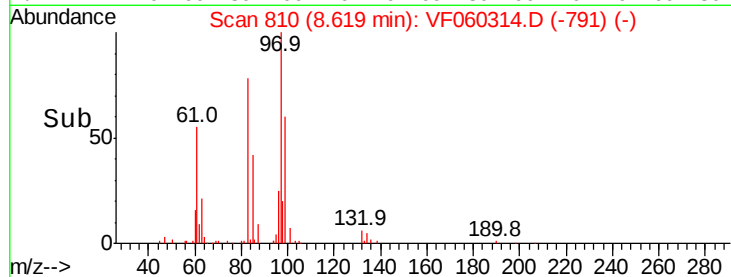
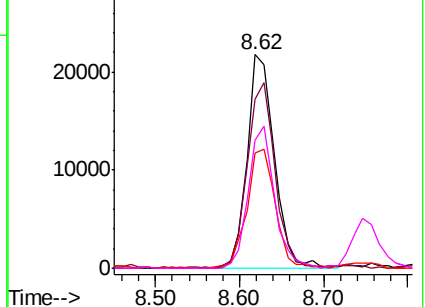


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.385 ug/l

RT: 8.75 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

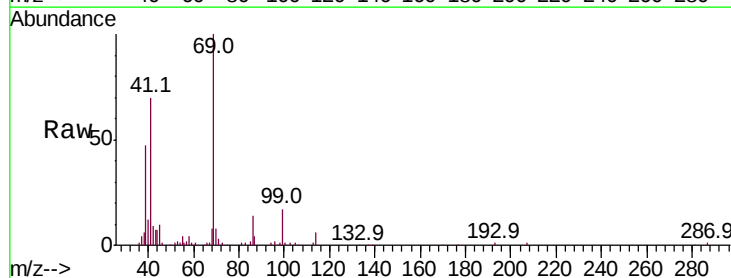
Tgt Ion: 69 Resp: 59937

Ion Ratio Lower Upper

69 100

41 70.1 59.4 89.2

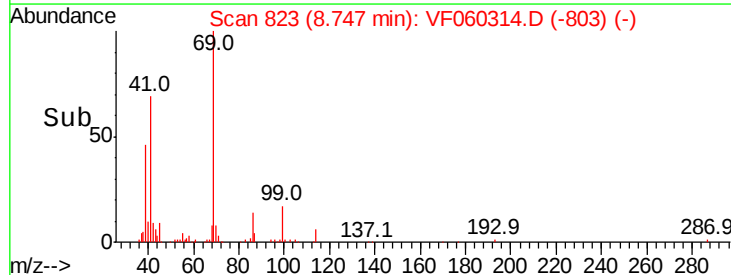
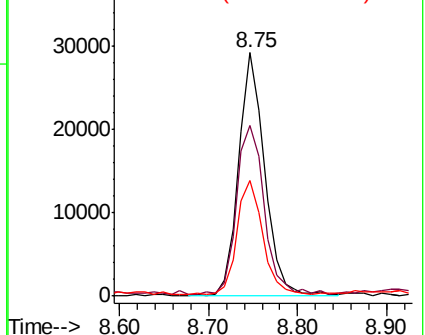
39 47.3 33.5 50.3

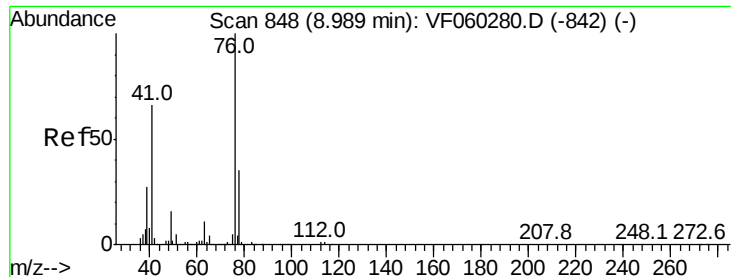


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.926 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

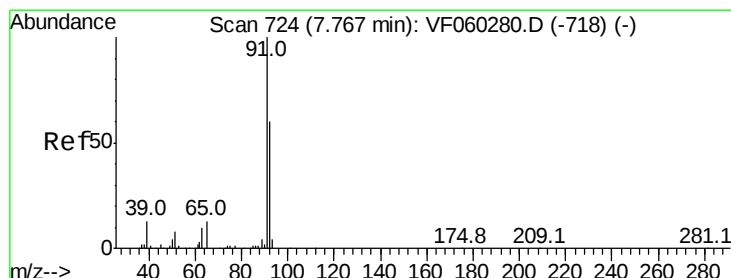
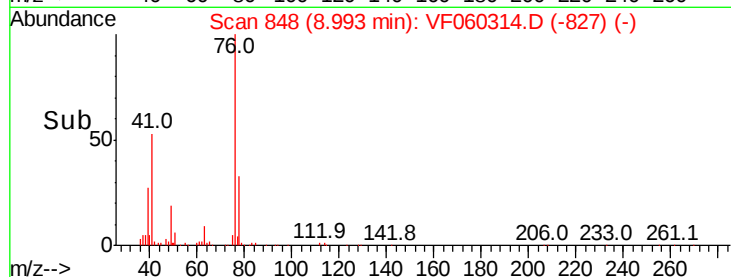
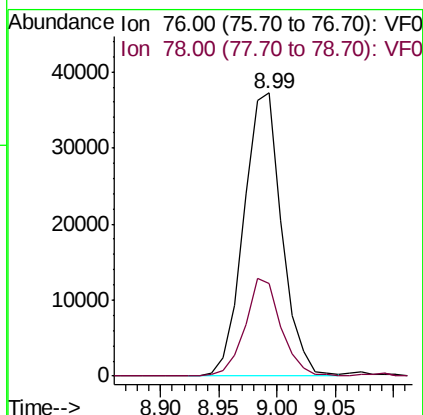
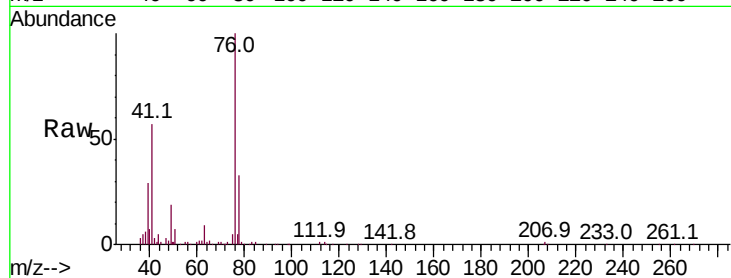
VF0921SBSD01

Tot Ion: 76 Resp: 84252

Ion Ratio Lower Upper

76 100

78 32.7 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 113.137 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060314.D

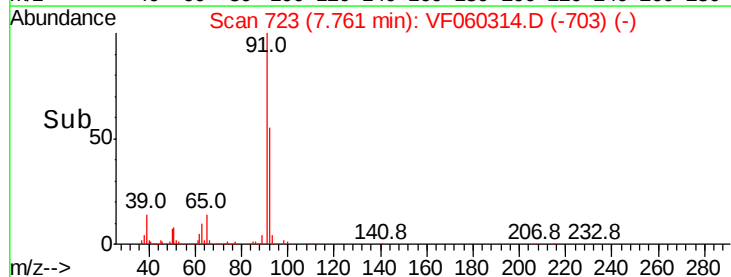
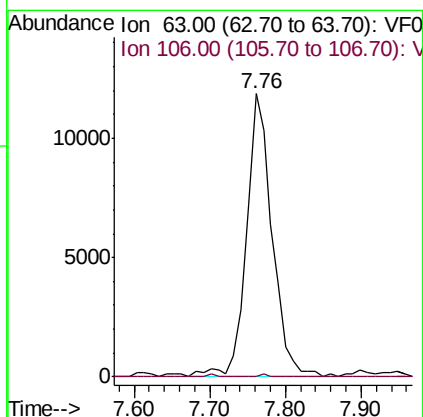
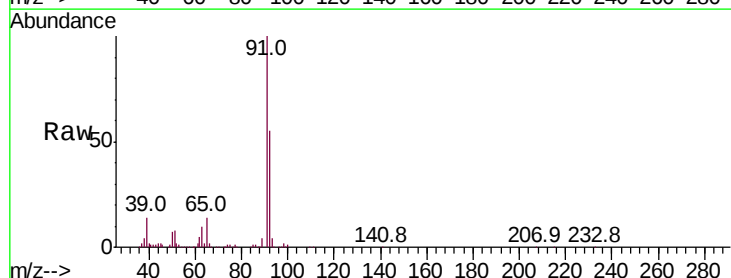
Acq: 21 Sep 2018 14:13

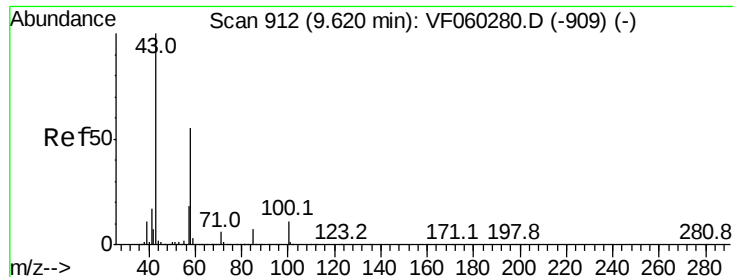
Tgt Ion: 63 Resp: 28032

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

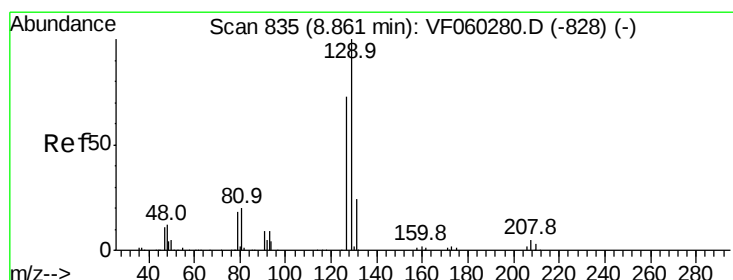
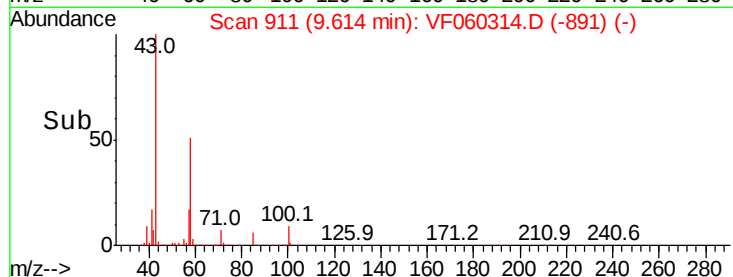
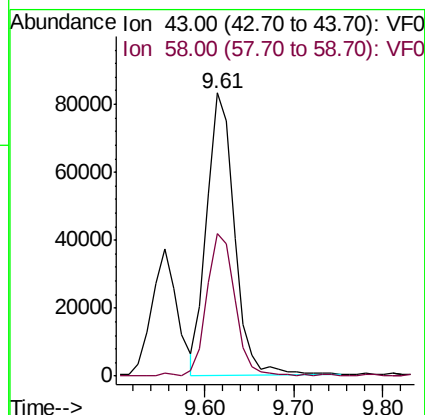
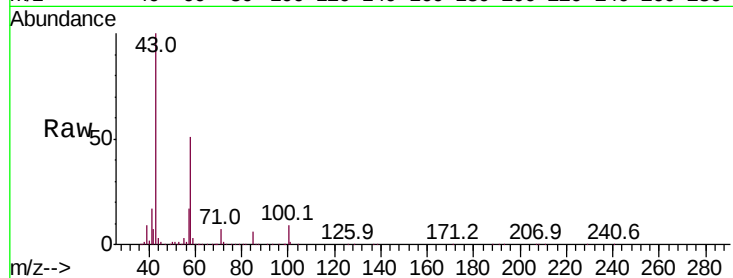




#59
2-Hexanone
Concen: 119.196 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

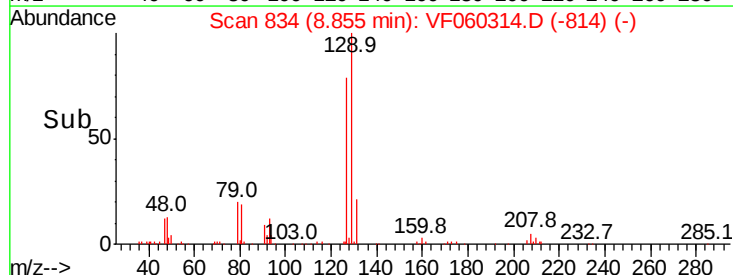
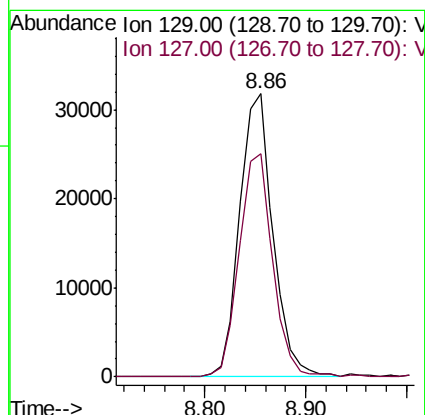
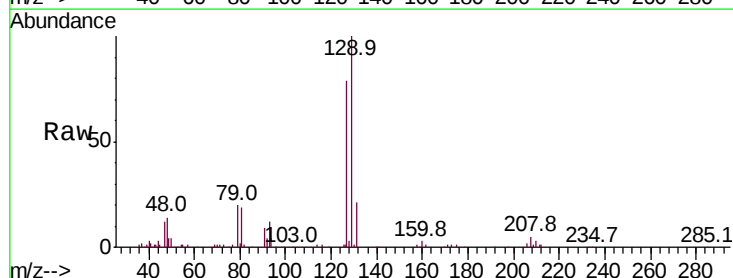
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBSD01

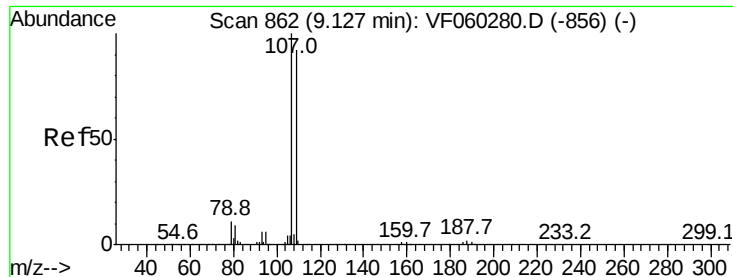
Tot Ion: 43 Resp: 177603
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.6



#60
Dibromochloromethane
Concen: 21.106 ug/l
RT: 8.86 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 129 Resp: 73001
Ion Ratio Lower Upper
129 100
127 78.8 36.6 109.8





#61

1,2-Dibromoethane

Concen: 20.458 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

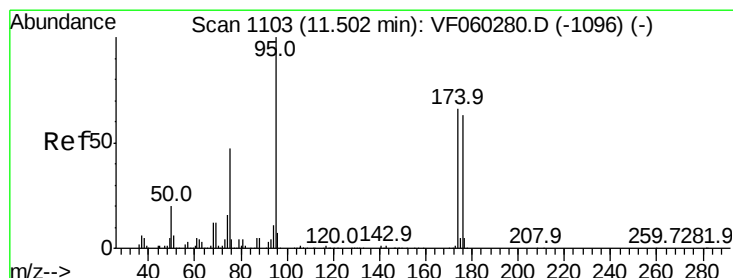
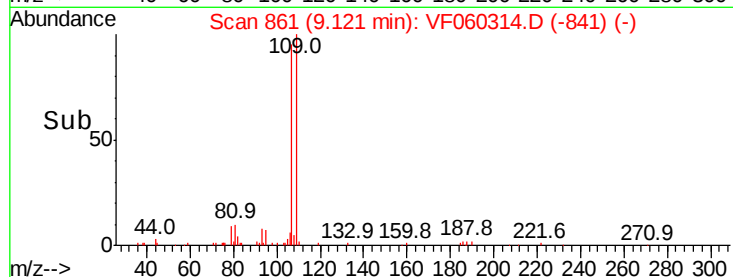
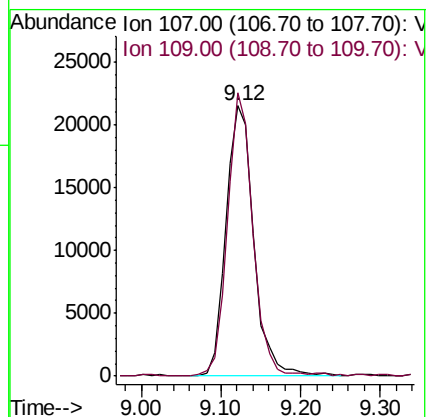
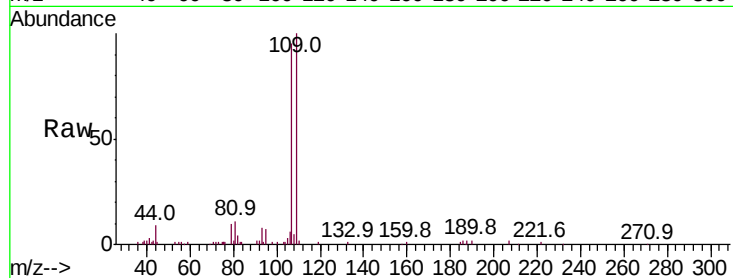
VF0921SBS01

Tot Ion:107 Resp: 52868

Ion Ratio Lower Upper

107 100

109 104.8 73.2 109.8



#62

4-Bromofluorobenzene

Concen: 49.563 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

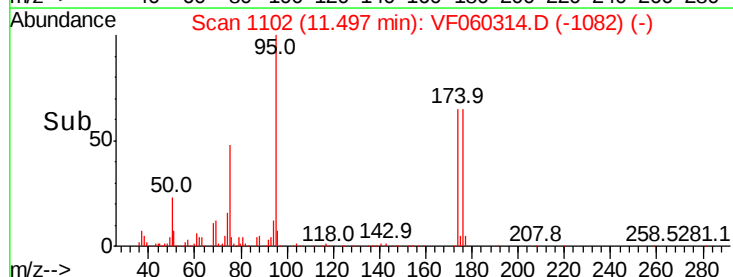
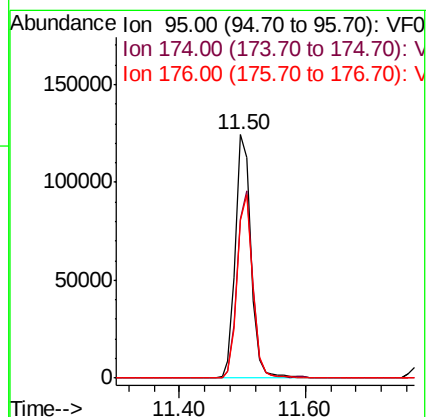
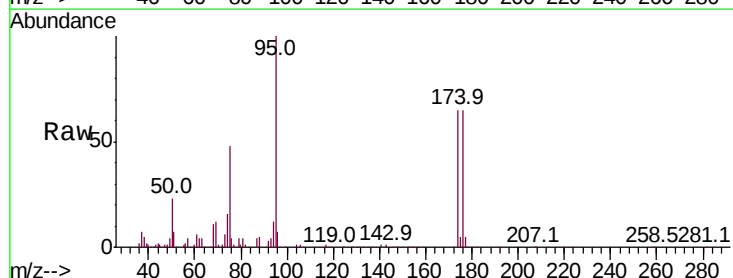
Tgt Ion: 95 Resp: 212537

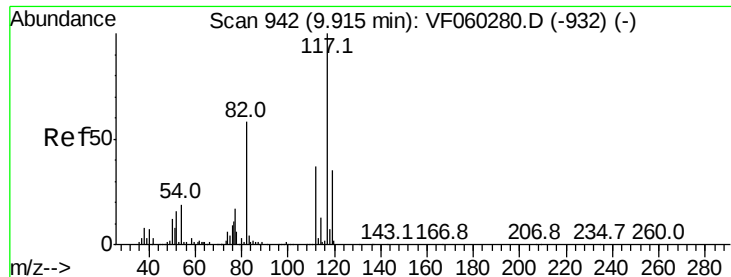
Ion Ratio Lower Upper

95 100

174 65.2 0.0 131.2

176 64.8 0.0 126.6

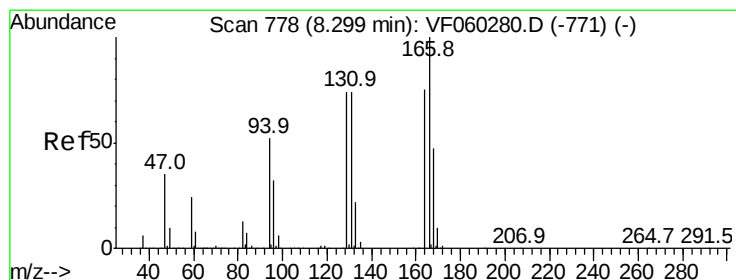
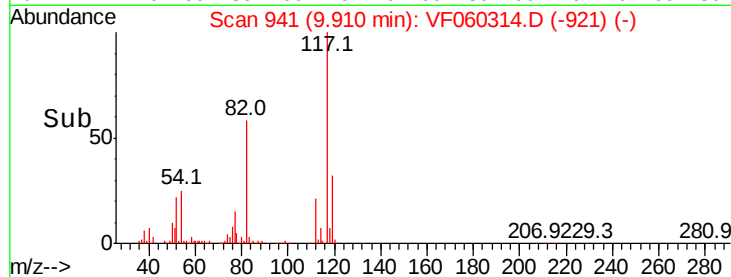
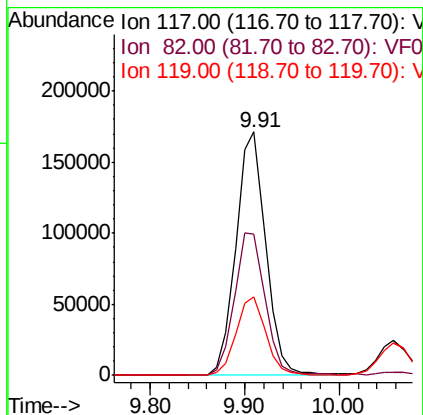
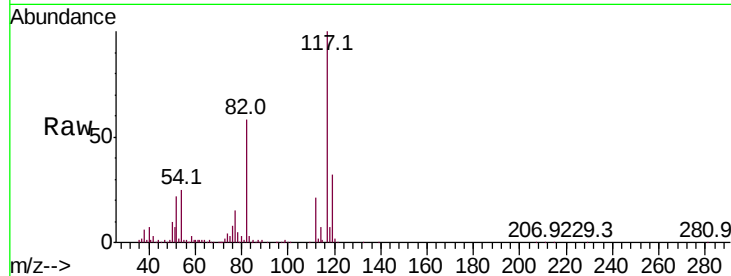




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

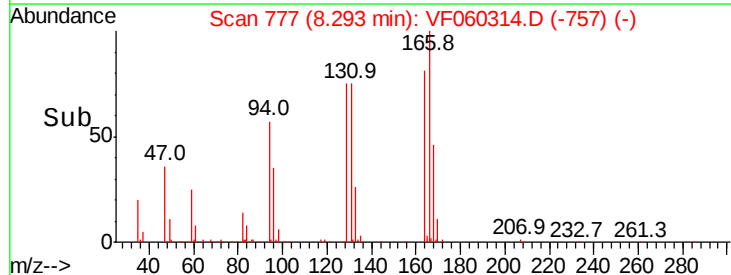
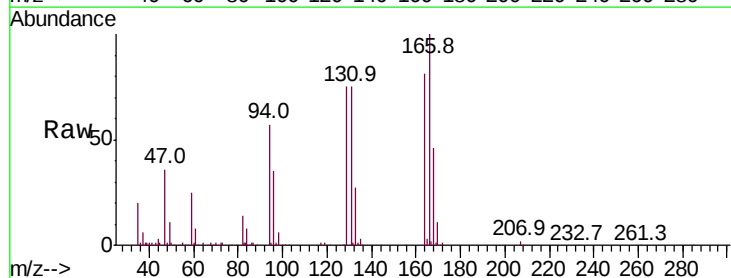
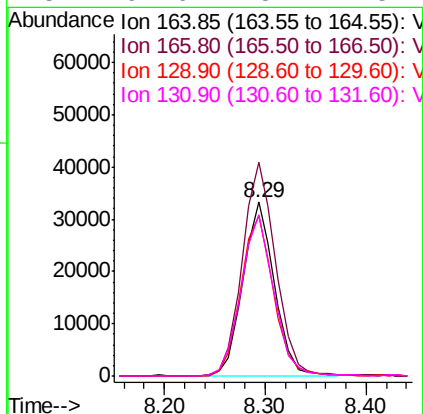
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

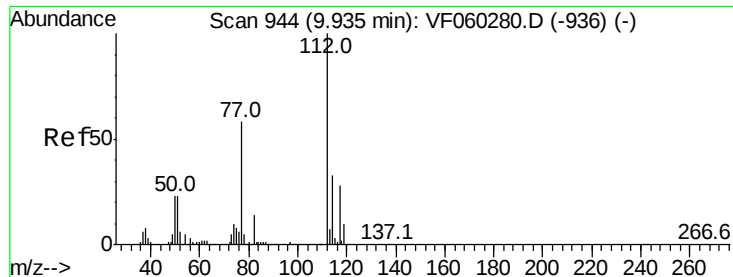
Tot Ion:117 Resp: 374808
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.2
119 32.2 27.8 41.6



#64
Tetrachloroethene
Concen: 21.330 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion:164 Resp: 72475
Ion Ratio Lower Upper
164 100
166 122.8 106.8 160.2
129 91.7 78.8 118.2
131 92.6 78.7 118.1

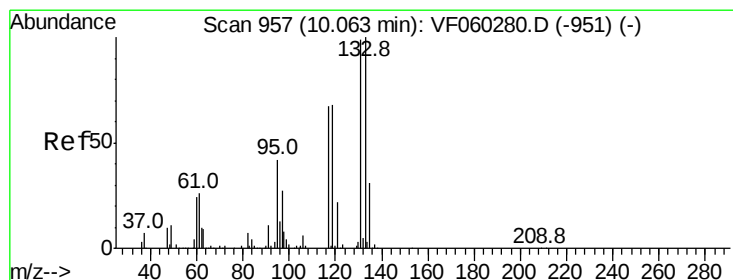
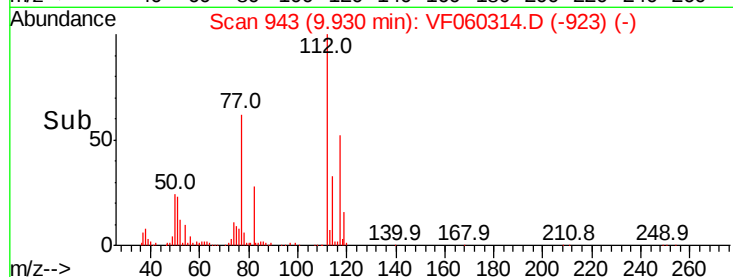
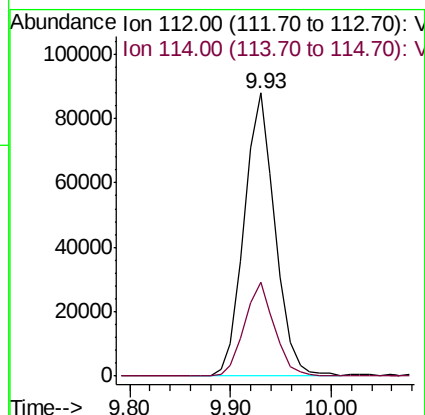
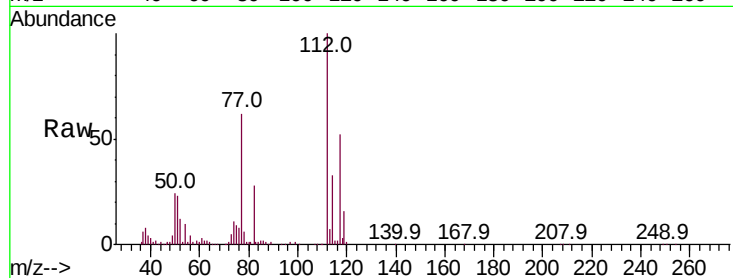




#65
Chlorobenzene
Concen: 22.100 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

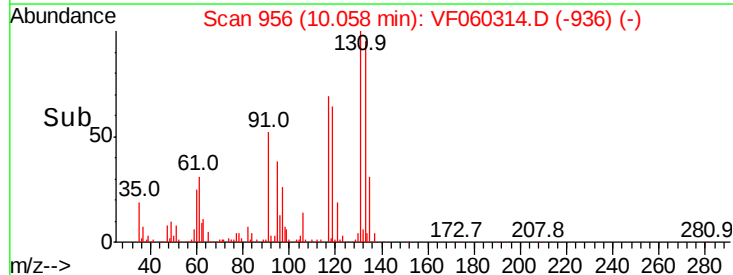
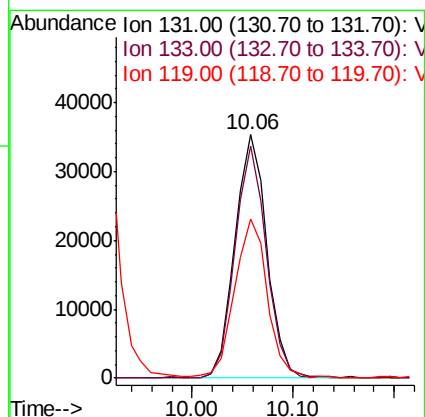
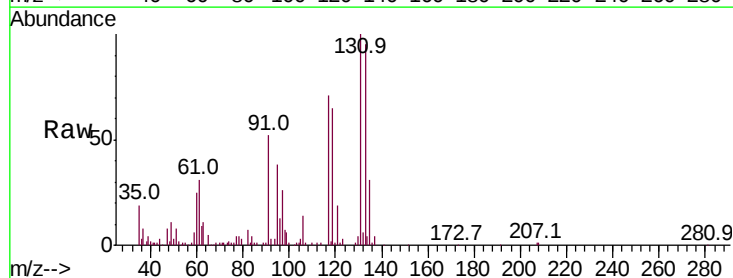
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBSD01

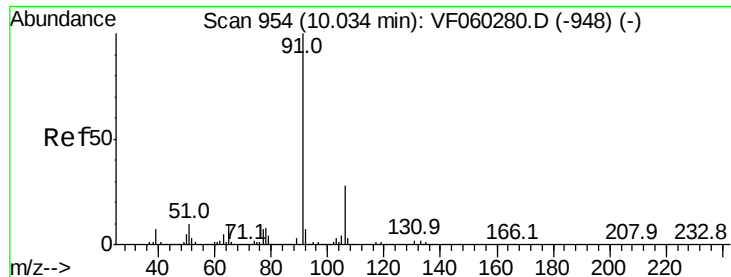
Tot Ion:112 Resp: 187738
Ion Ratio Lower Upper
112 100
114 33.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.090 ug/l
RT: 10.06 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion:131 Resp: 77874
Ion Ratio Lower Upper
131 100
133 95.1 50.4 151.2
119 65.1 34.8 104.3





#67

Ethyl Benzene

Concen: 22.770 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

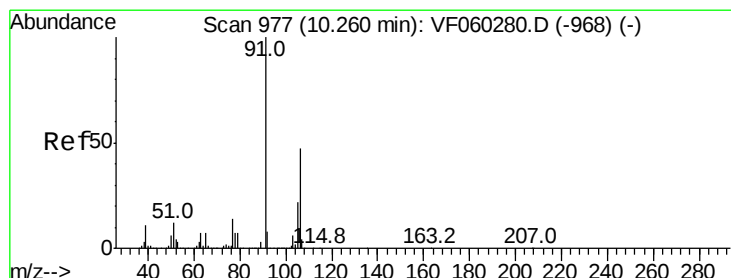
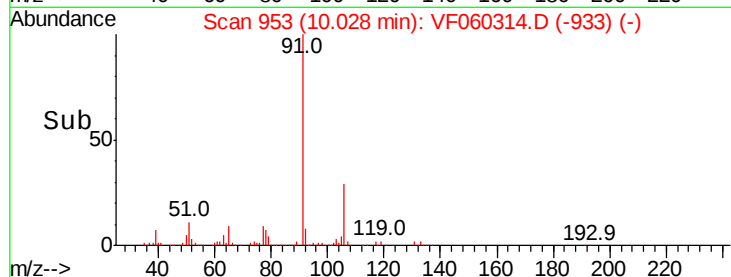
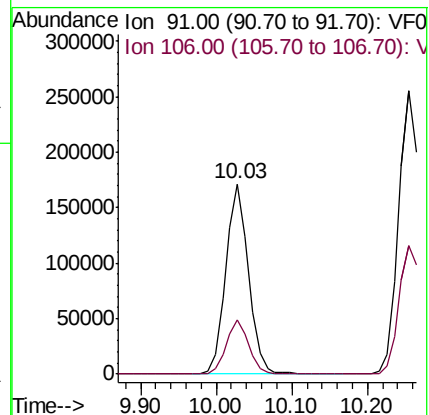
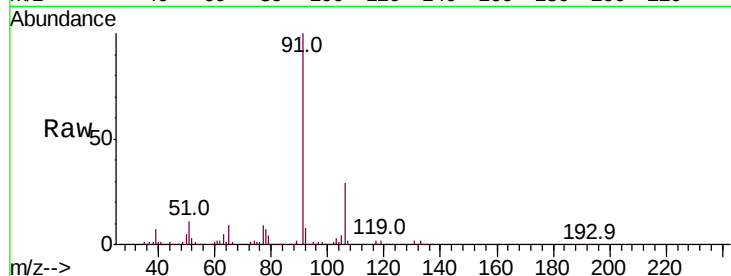
VF0921SBS01

Tot Ion: 91 Resp: 357635

Ion Ratio Lower Upper

91 100

106 28.7 22.7 34.1



#68

m/p-Xylenes

Concen: 44.732 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060314.D

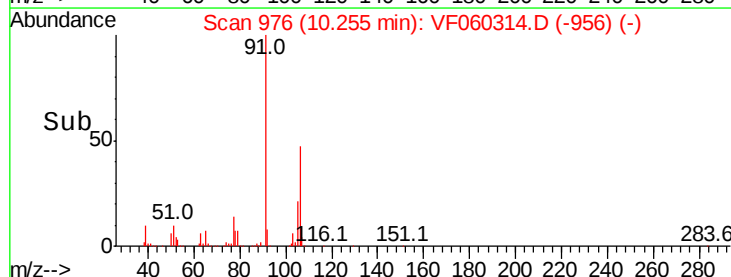
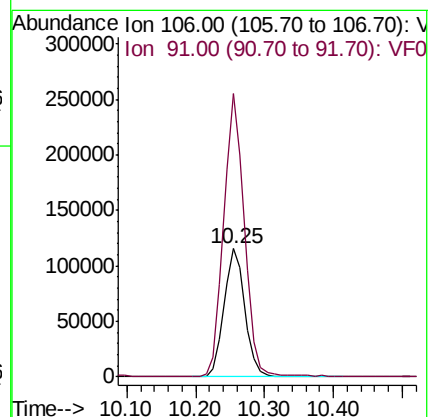
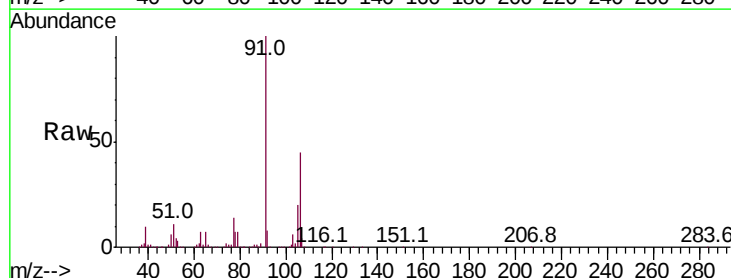
Acq: 21 Sep 2018 14:13

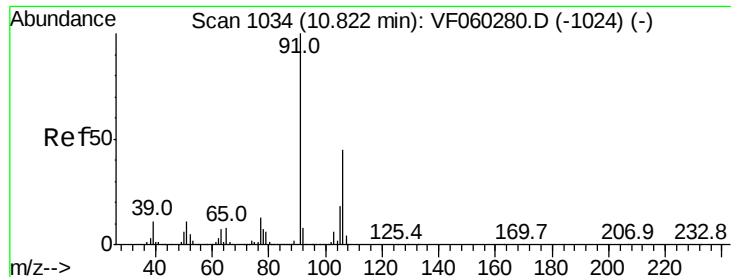
Tgt Ion: 106 Resp: 242735

Ion Ratio Lower Upper

106 100

91 221.3 172.3 258.5

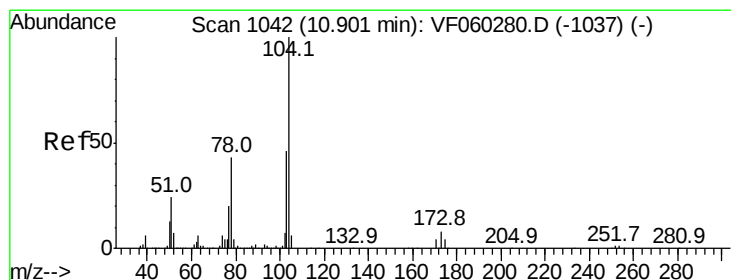
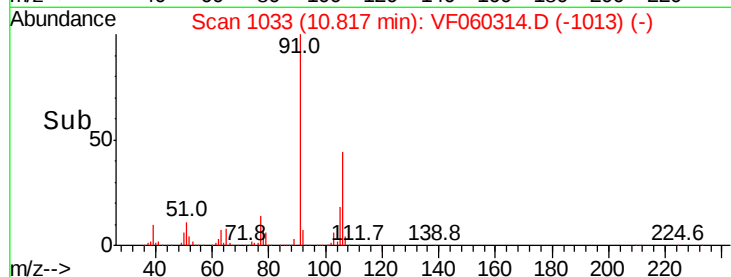
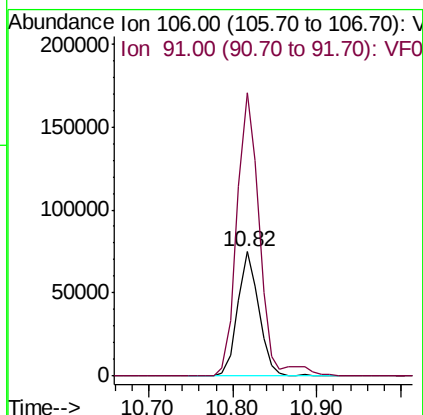
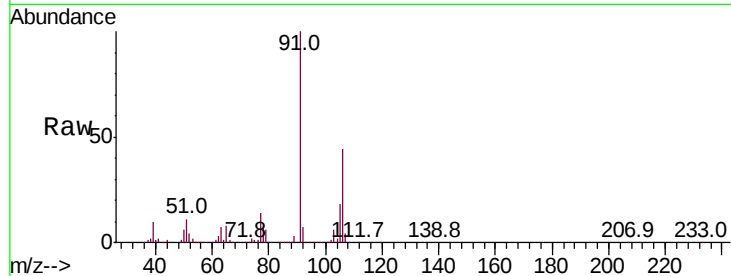




#69
o-Xylene
Concen: 21.771 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

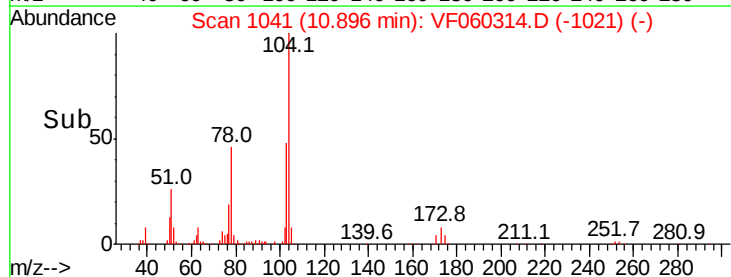
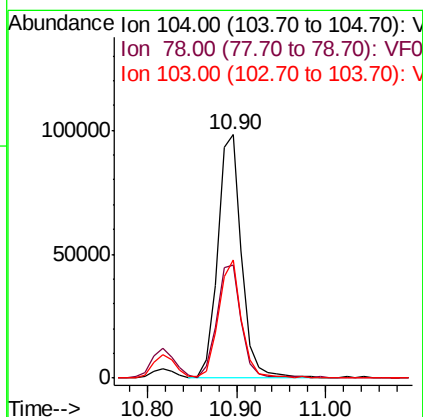
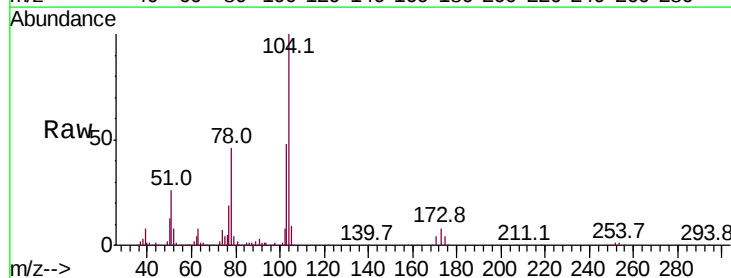
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBS01

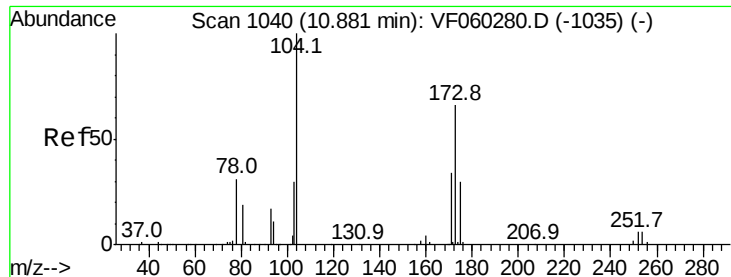
Tot Ion:106 Resp: 132509
Ion Ratio Lower Upper
106 100
91 227.3 110.9 332.6



#70
Styrene
Concen: 21.386 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion:104 Resp: 183569
Ion Ratio Lower Upper
104 100
78 46.3 35.0 52.6
103 48.4 37.4 56.0





#71

Bromoform

Concen: 20.649 ug/l

RT: 10.88 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

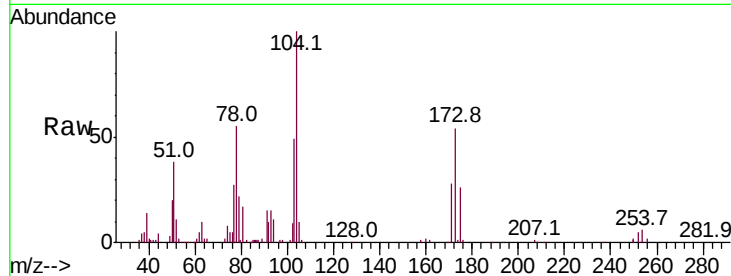
Tot Ion:173 Resp: 39978

Ion Ratio Lower Upper

173 100

175 47.3 22.3 66.9

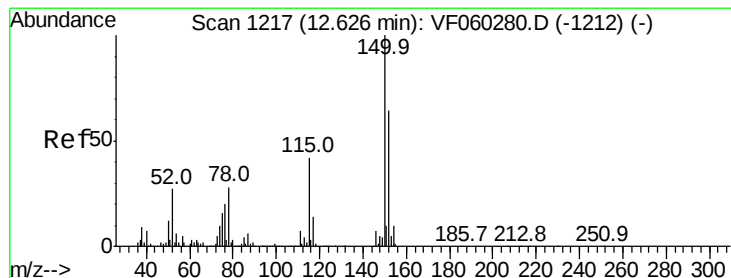
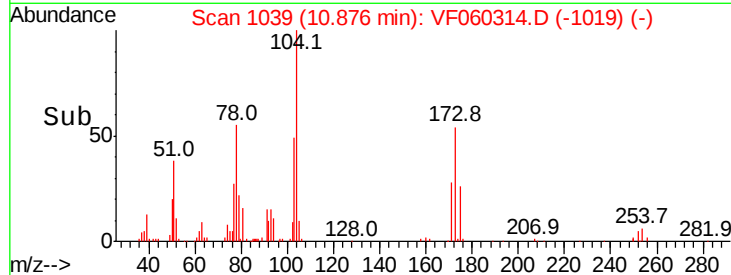
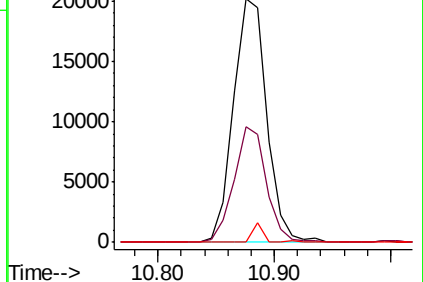
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

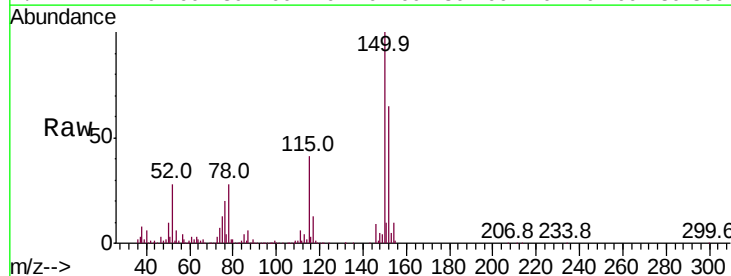
Tgt Ion:152 Resp: 193888

Ion Ratio Lower Upper

152 100

115 63.1 32.6 97.8

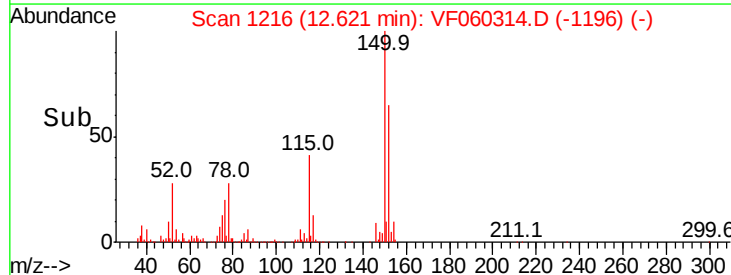
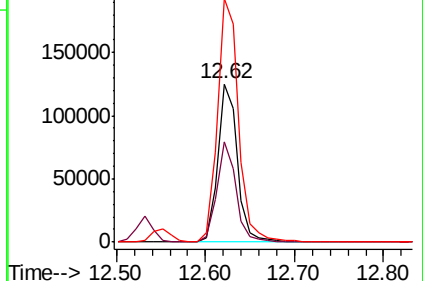
150 153.6 0.0 314.2

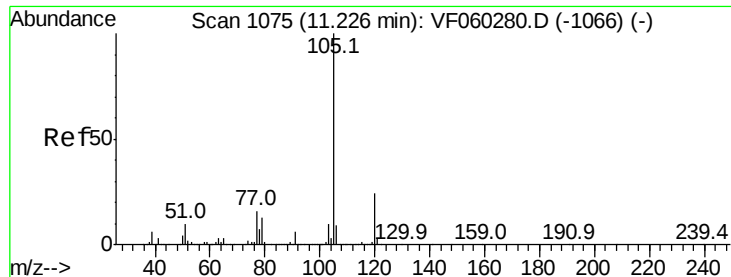


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.012 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

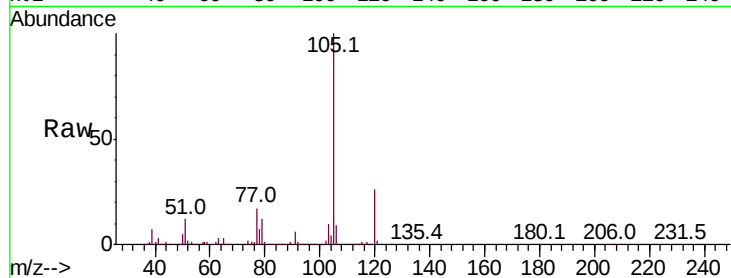
VF0921SBS01

Tot Ion:105 Resp: 400551

Ion Ratio Lower Upper

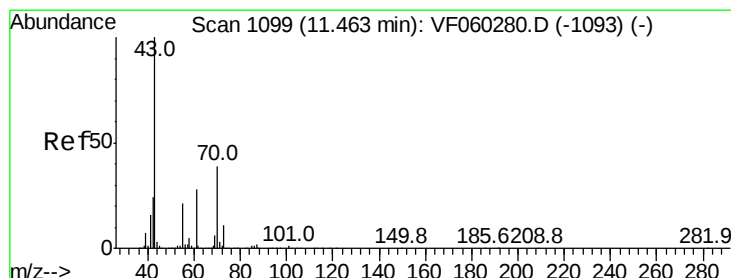
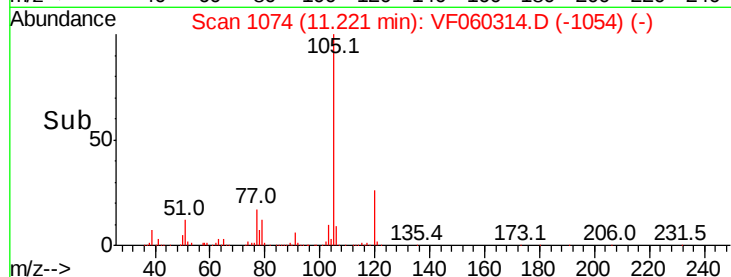
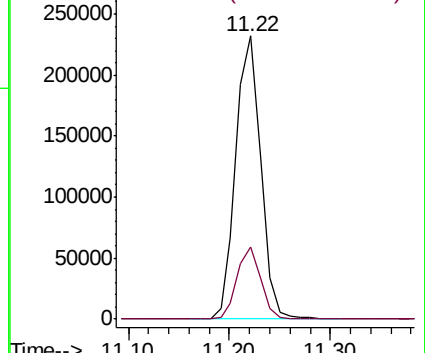
105 100

120 25.7 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 26.207 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Tgt Ion: 43 Resp: 97271

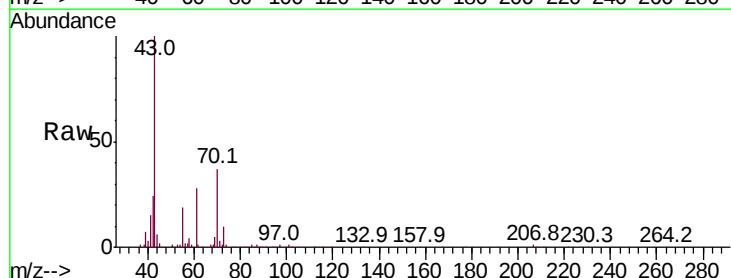
Ion Ratio Lower Upper

43 100

70 36.6 31.4 47.2

55 19.3 16.8 25.2

61 28.3 22.6 34.0

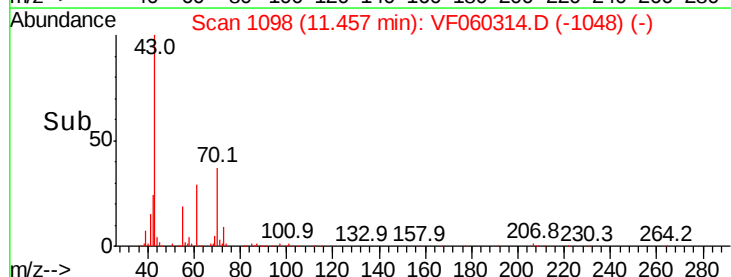
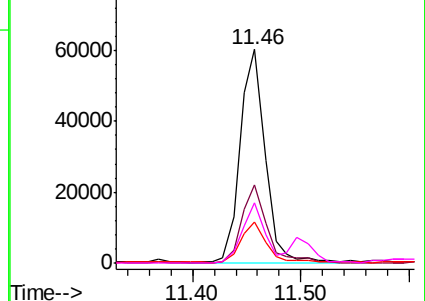


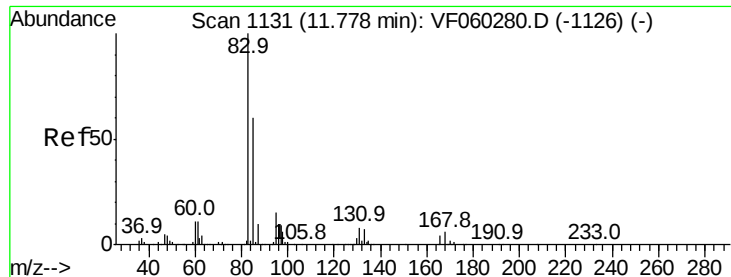
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.153 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

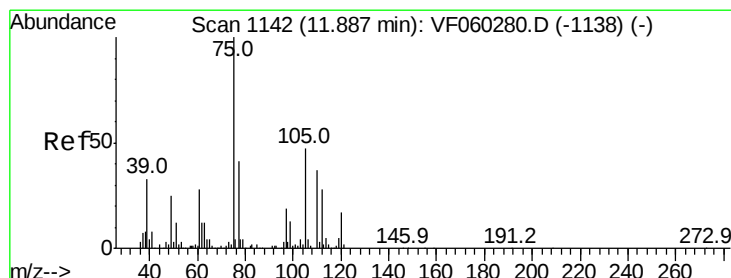
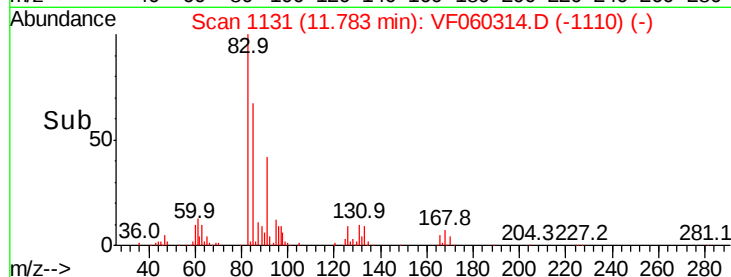
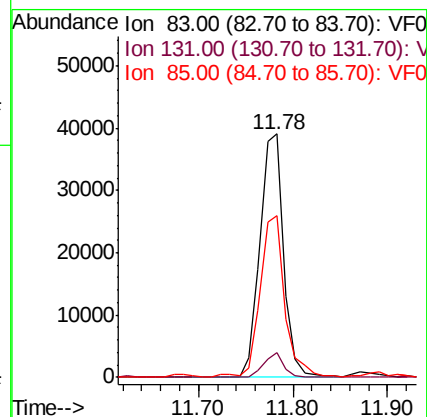
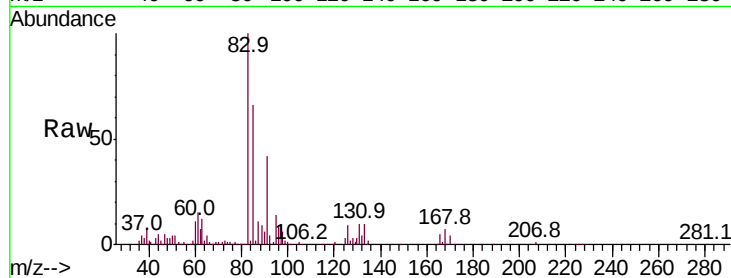
Tot Ion: 83 Resp: 68335

Ion Ratio Lower Upper

83 100

131 10.2 4.2 12.4

85 66.3 30.1 90.5



#76

1,2,3-Trichloropropane

Concen: 22.014 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060314.D

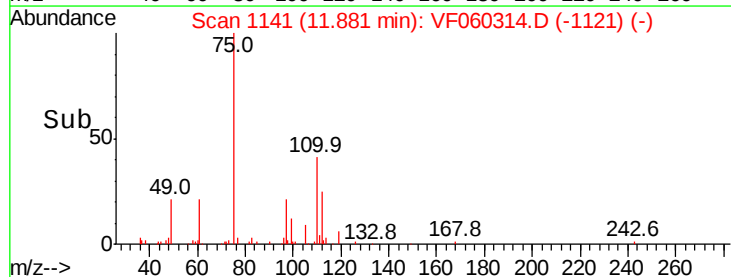
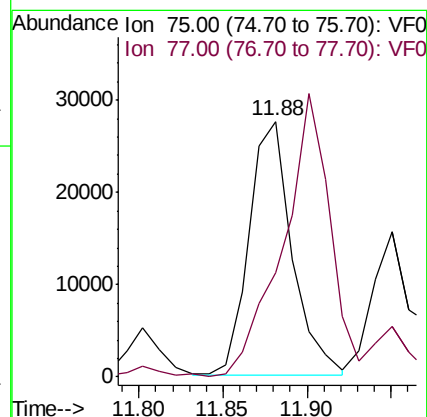
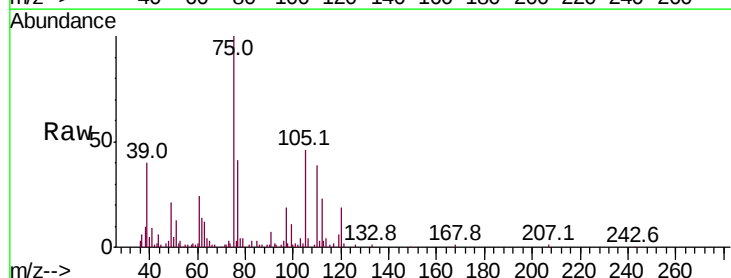
Acq: 21 Sep 2018 14:13

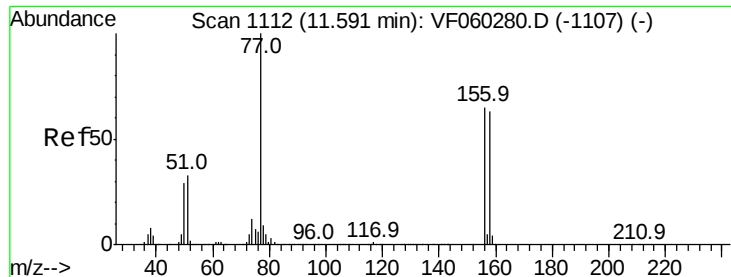
Tgt Ion: 75 Resp: 48623

Ion Ratio Lower Upper

75 100

77 40.8 20.5 61.5





#77

Bromobenzene

Concen: 21.998 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

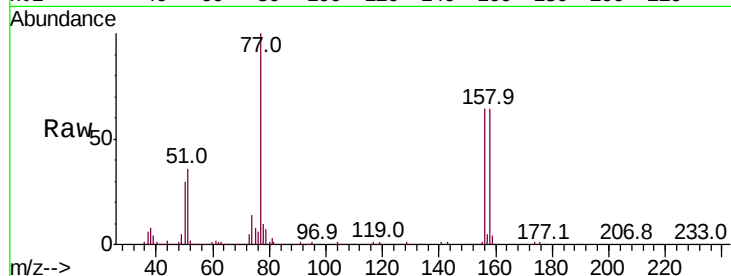
Tot Ion:156 Resp: 82517

Ion Ratio Lower Upper

156 100

77 155.7 77.3 232.1

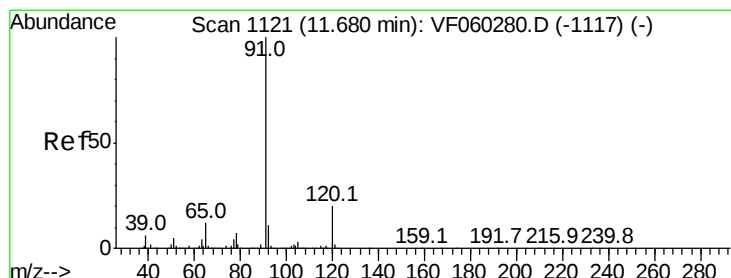
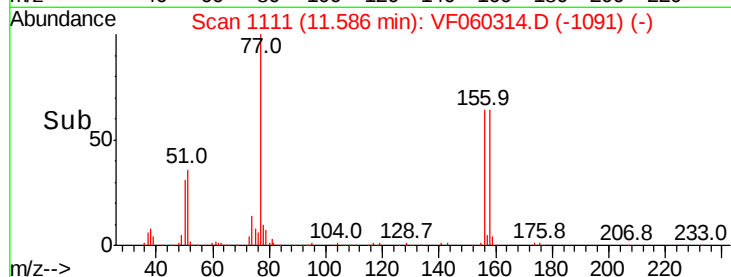
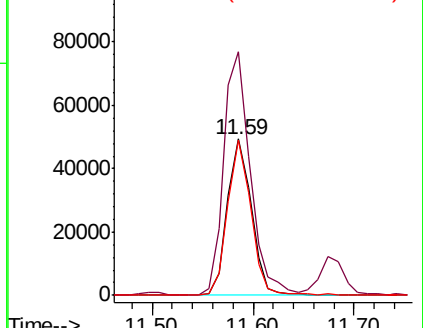
158 99.3 48.4 145.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.555 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF060314.D

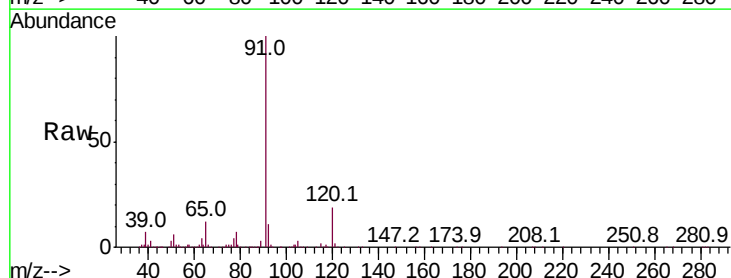
Acq: 21 Sep 2018 14:13

Tgt Ion: 91 Resp: 479773

Ion Ratio Lower Upper

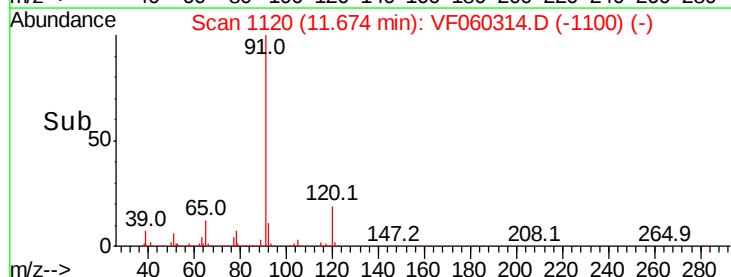
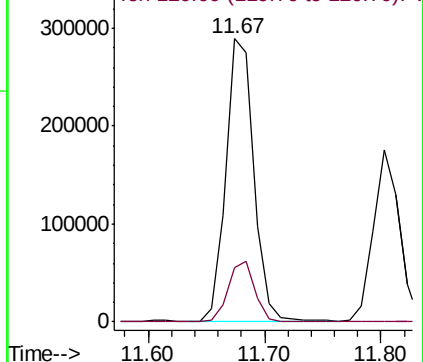
91 100

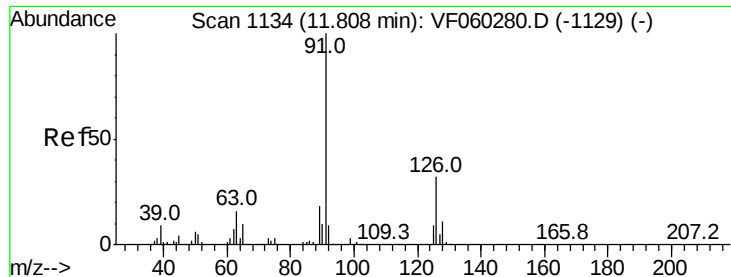
120 19.1 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

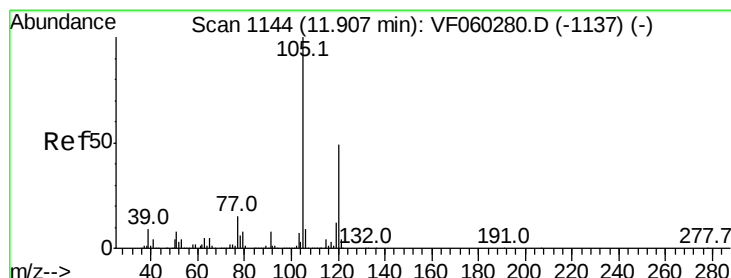
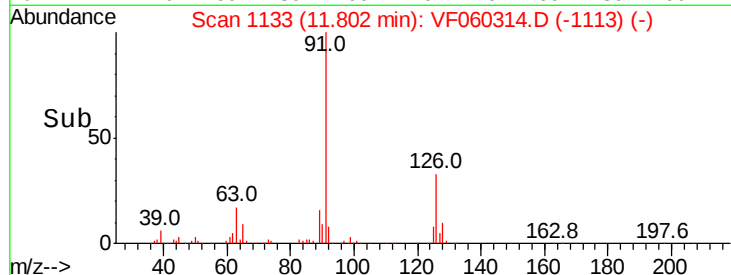
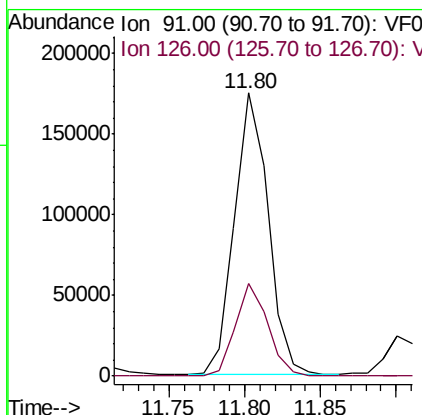
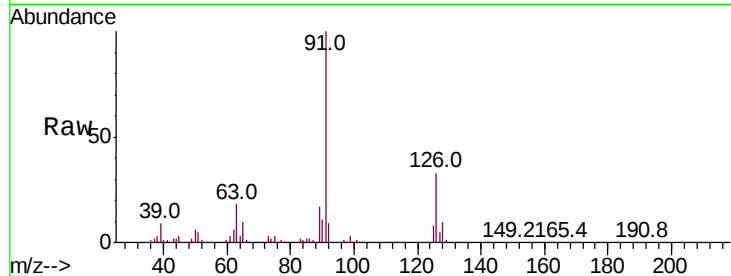




#79
 2-Chlorotoluene
 Concen: 22.990 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

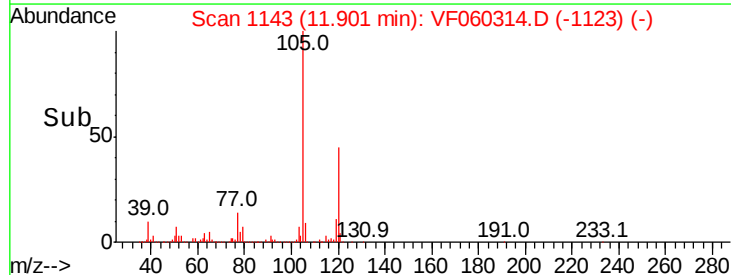
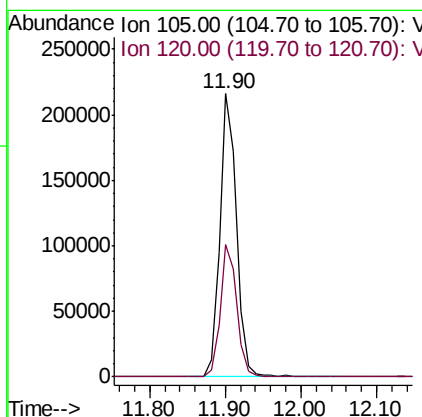
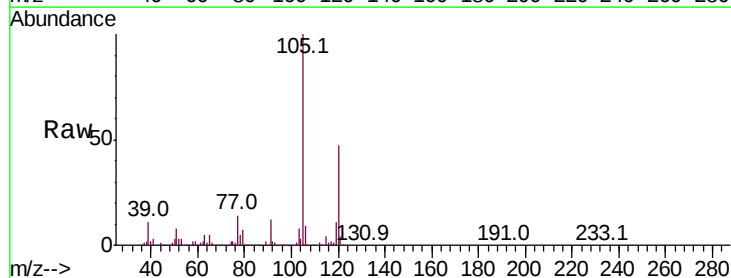
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

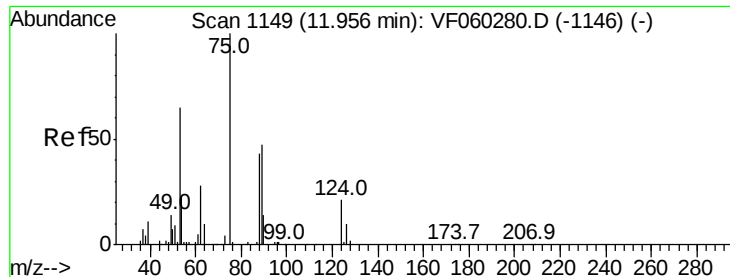
Tot Ion: 91 Resp: 269928
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.840 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion: 105 Resp: 334024
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 28.166 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

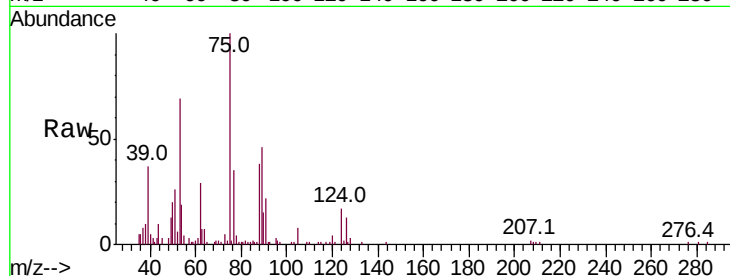
Tot Ion: 75 Resp: 32876

Ion Ratio Lower Upper

75 100

53 69.4 56.5 84.7

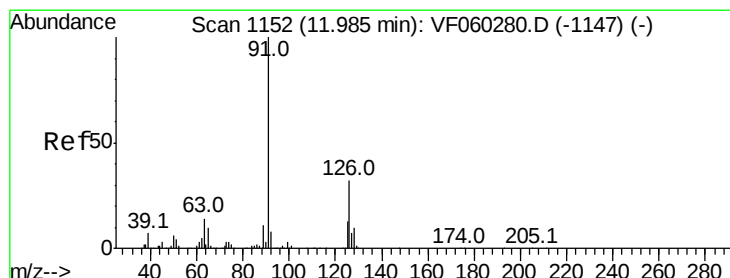
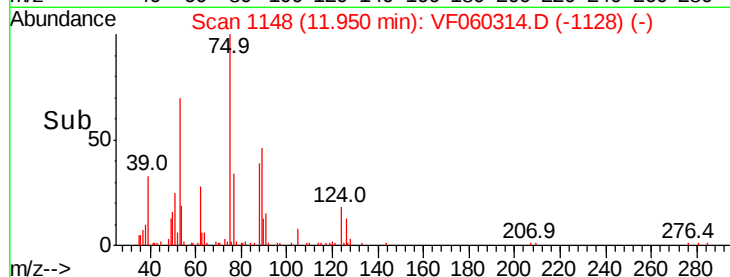
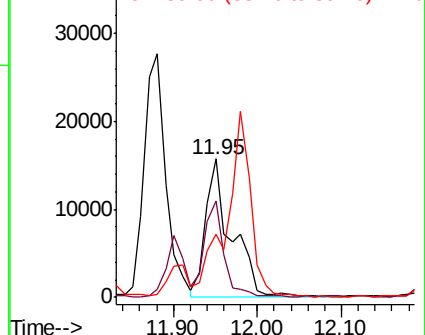
89 45.7 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.544 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060314.D

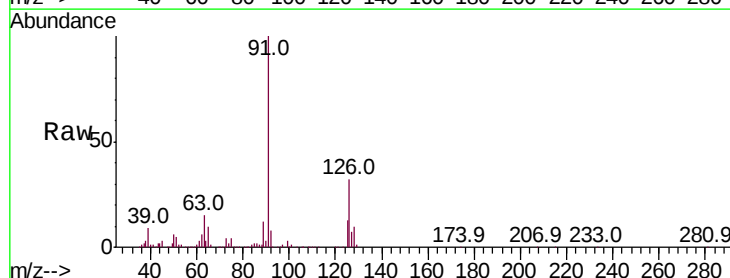
Acq: 21 Sep 2018 14:13

Tgt Ion: 91 Resp: 277847

Ion Ratio Lower Upper

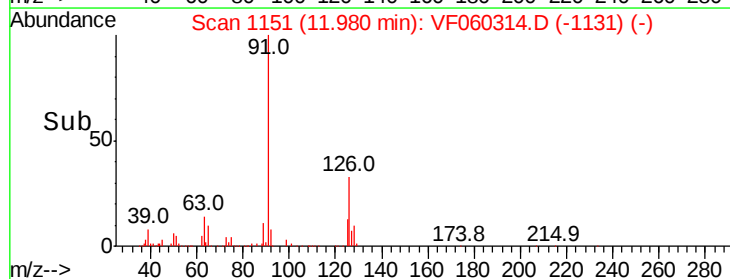
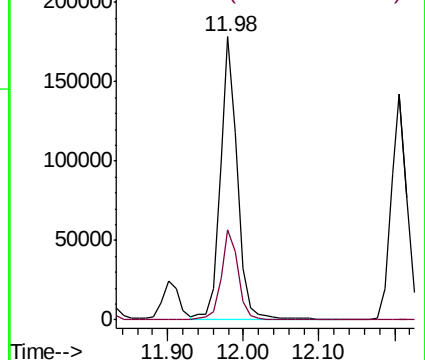
91 100

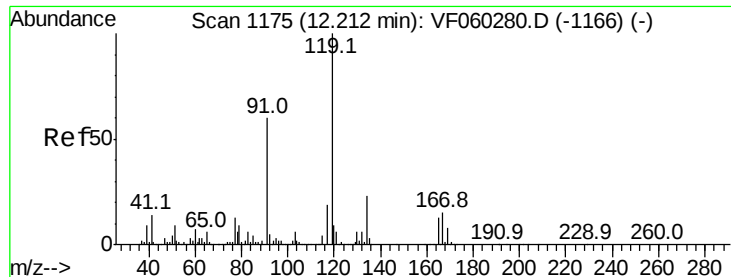
126 31.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 23.091 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

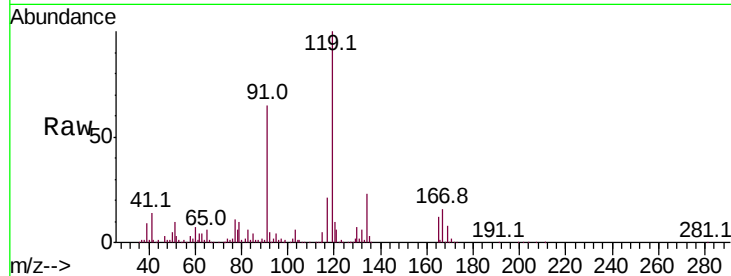
Tot Ion:119 Resp: 327967

Ion Ratio Lower Upper

119 100

91 65.5 30.3 91.0

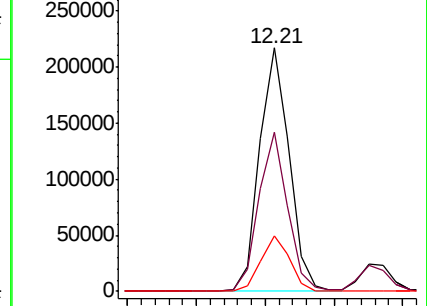
134 22.6 11.6 34.8



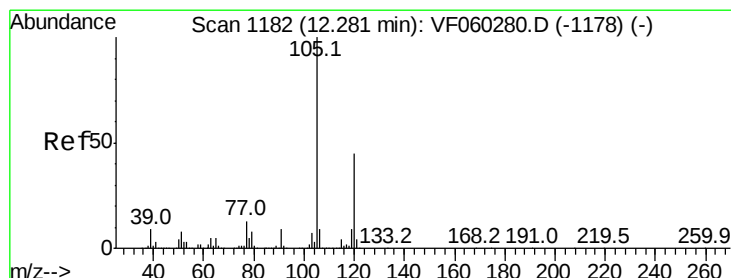
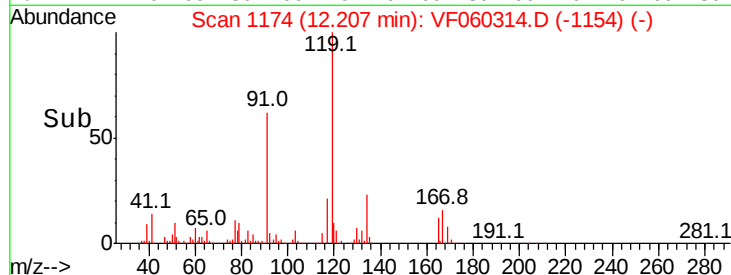
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time--> 12.10 12.15 12.20 12.25



#84

1,2,4-Trimethylbenzene

Concen: 23.195 ug/l

RT: 12.28 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VF060314.D

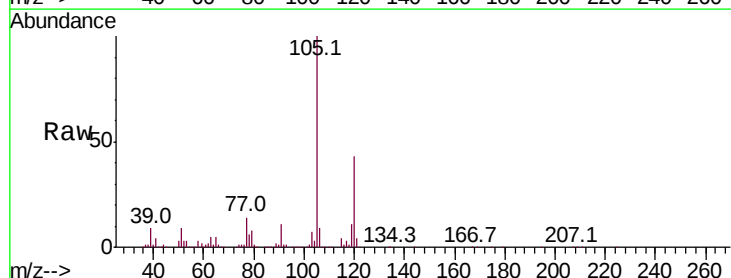
Acq: 21 Sep 2018 14:13

Tgt Ion:105 Resp: 330006

Ion Ratio Lower Upper

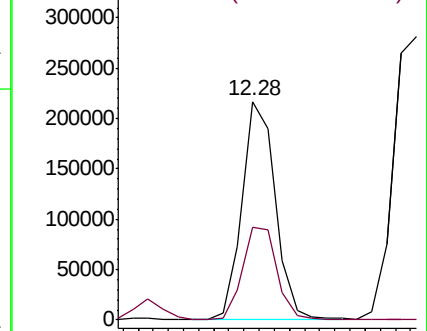
105 100

120 42.7 22.4 67.0

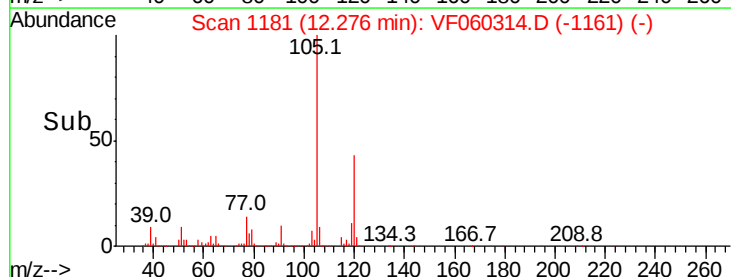


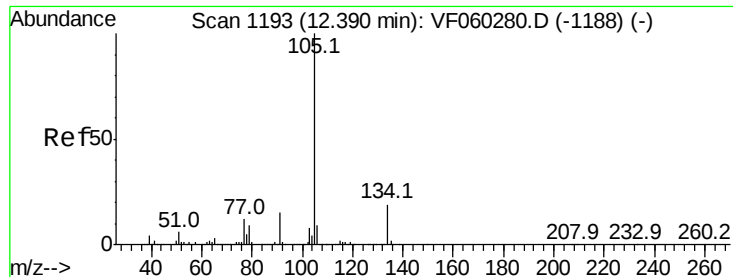
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.20 12.25 12.30 12.35





#85

sec-Butylbenzene

Concen: 22.628 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

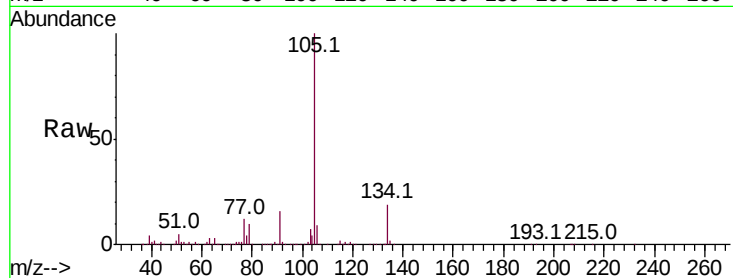
VF0921SBS01

Tot Ion:105 Resp: 449907

Ion Ratio Lower Upper

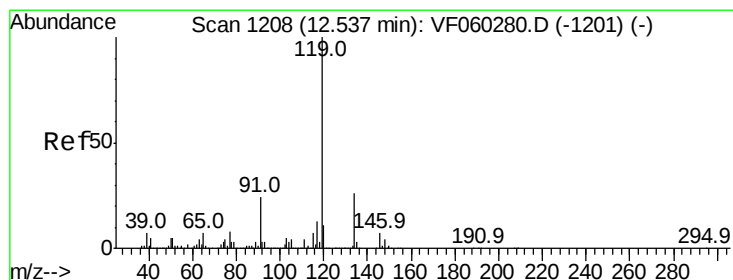
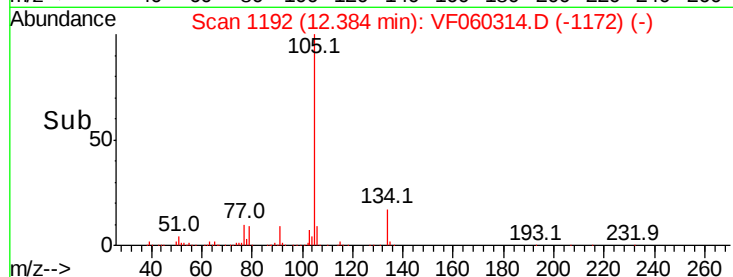
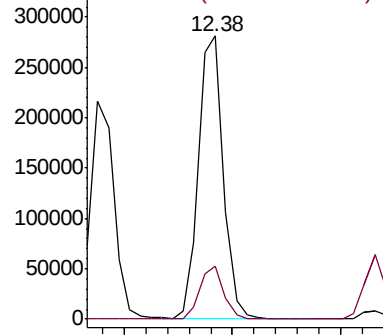
105 100

134 18.9 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.579 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

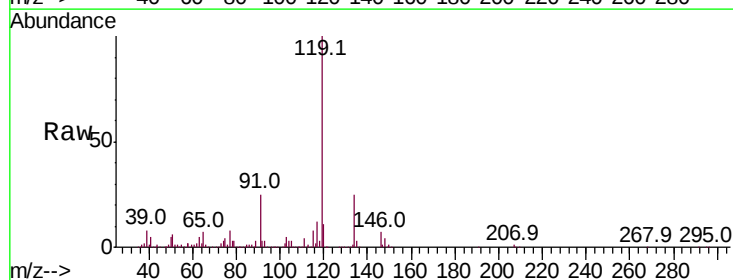
Tgt Ion:119 Resp: 355785

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

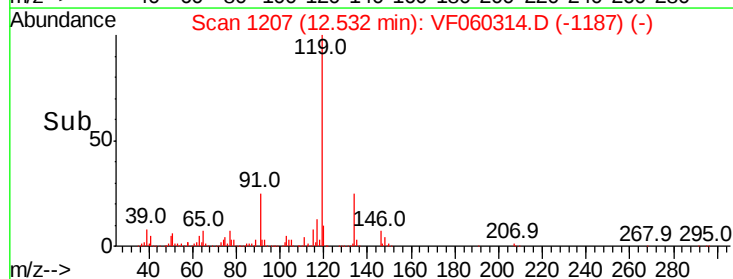
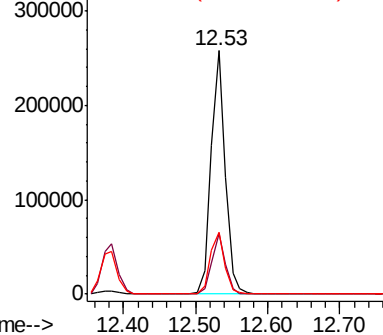
91 25.3 11.9 35.7

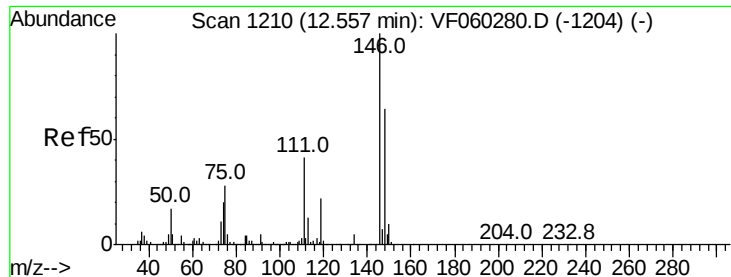


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.179 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

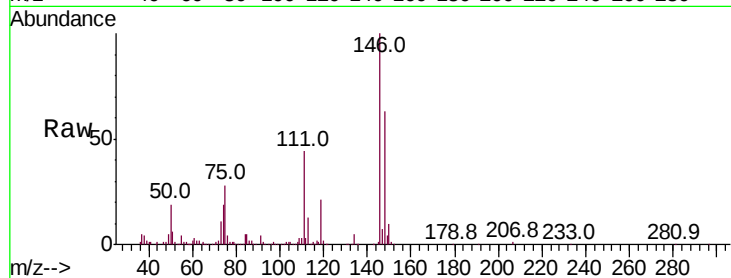
Tot Ion:146 Resp: 162476

Ion Ratio Lower Upper

146 100

111 44.1 20.5 61.6

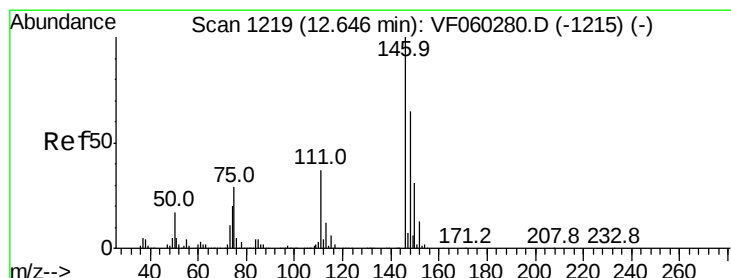
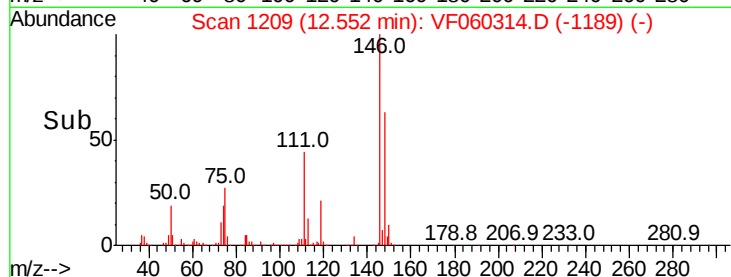
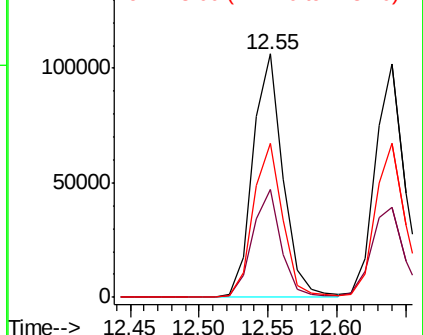
148 63.4 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.912 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

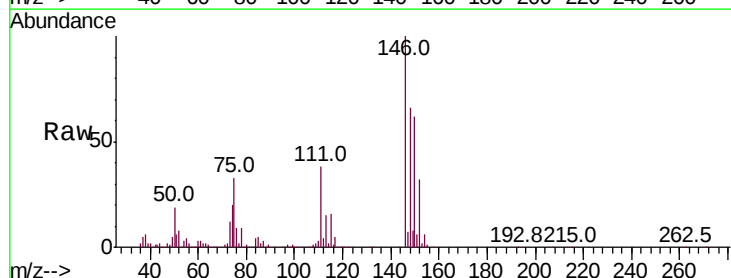
Tgt Ion:146 Resp: 151810

Ion Ratio Lower Upper

146 100

111 38.4 18.7 56.1

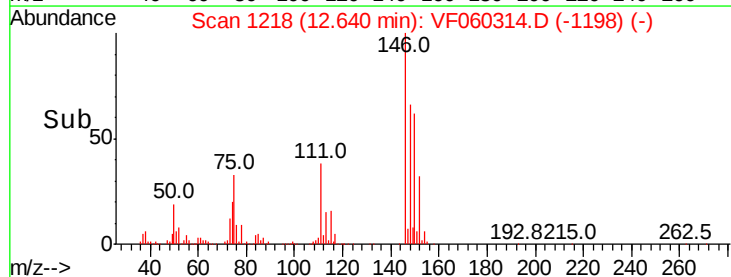
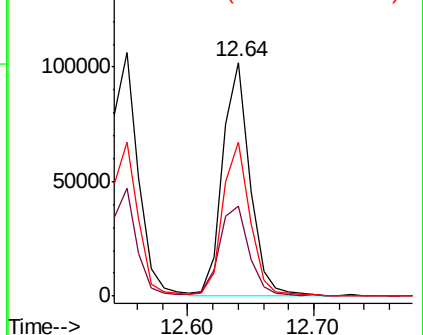
148 65.7 32.4 97.0

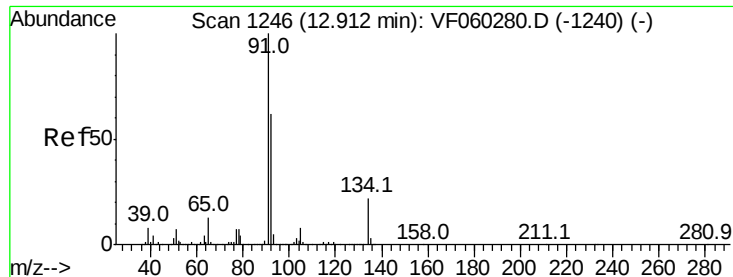


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

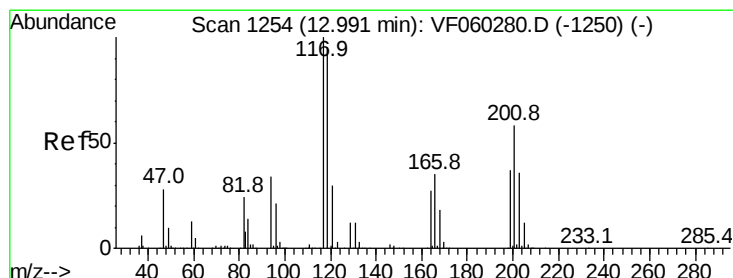
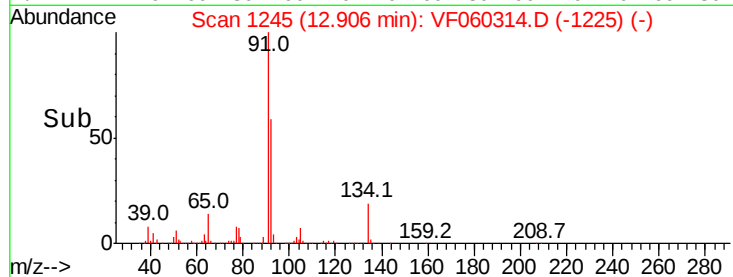
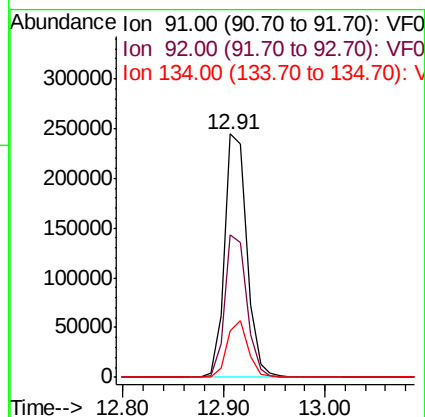
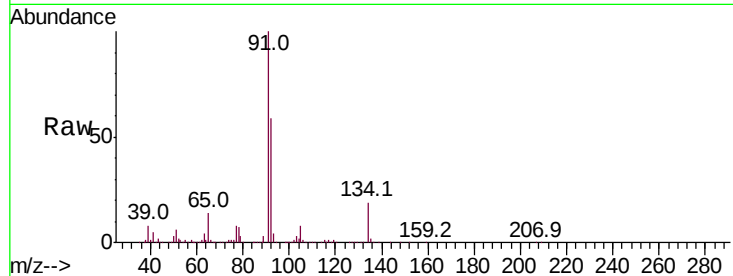




#89
n-Butylbenzene
Concen: 22.132 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

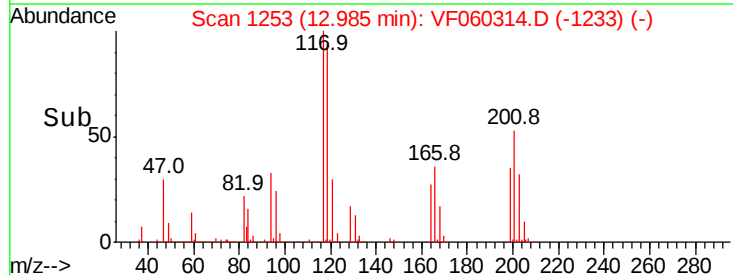
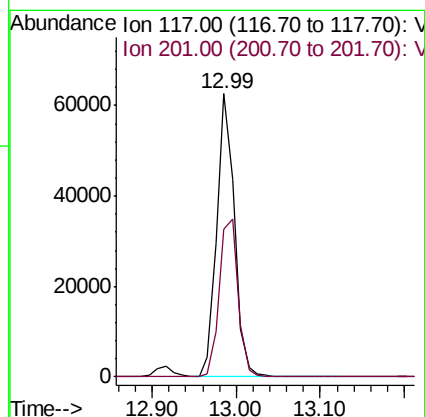
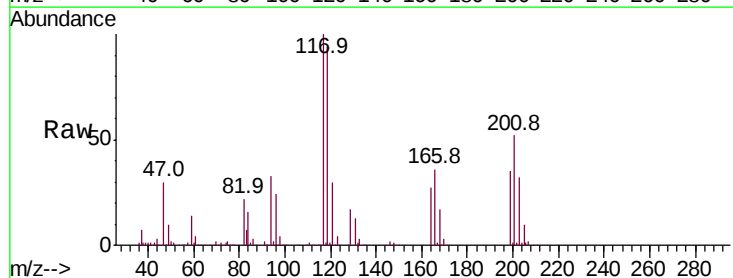
Instrument :
MSVOA_F
ClientSampleId :
VF0921SBSD01

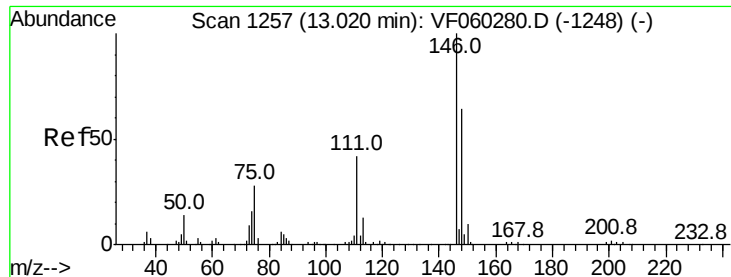
Tot Ion: 91 Resp: 378415
Ion Ratio Lower Upper
91 100
92 58.6 31.1 93.5
134 19.2 11.0 33.0



#90
Hexachloroethane
Concen: 23.032 ug/l
RT: 12.99 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060314.D
Acq: 21 Sep 2018 14:13

Tgt Ion: 117 Resp: 91540
Ion Ratio Lower Upper
117 100
201 53.5 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 22.713 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

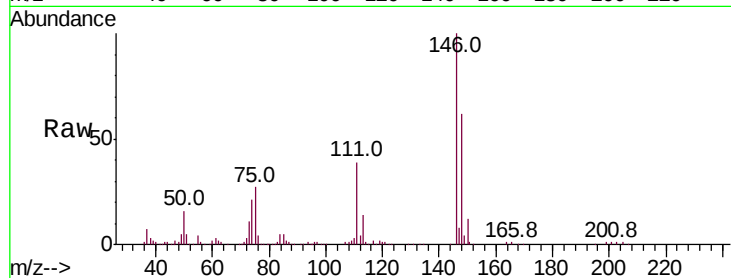
Tot Ion:146 Resp: 151877

Ion Ratio Lower Upper

146 100

111 39.4 20.9 62.8

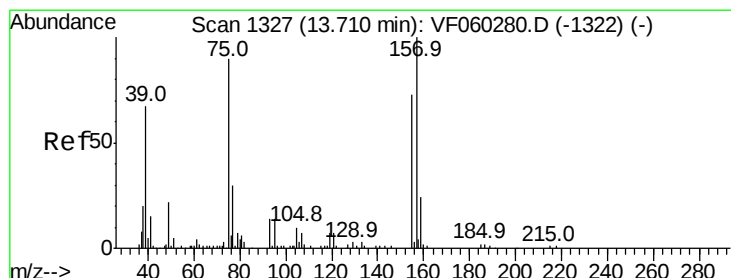
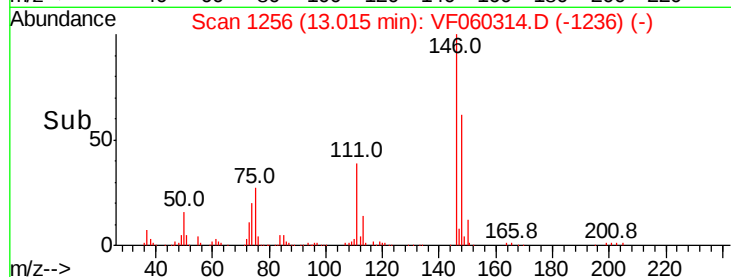
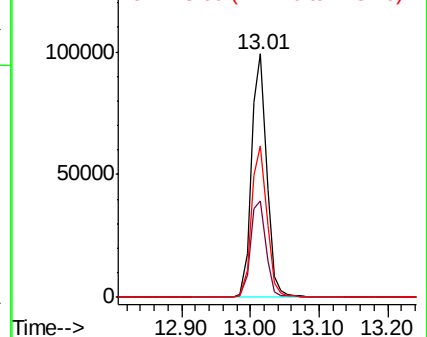
148 62.4 31.9 95.9



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: 21.177 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

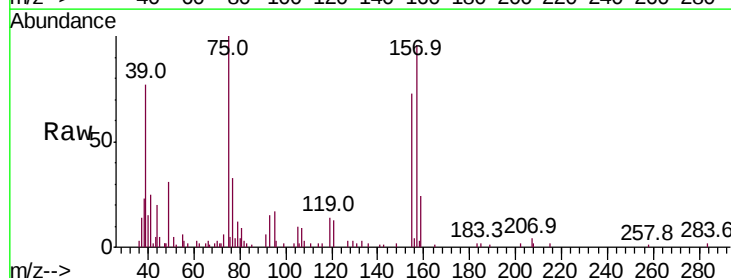
Tgt Ion: 75 Resp: 12265

Ion Ratio Lower Upper

75 100

155 73.3 41.9 125.7

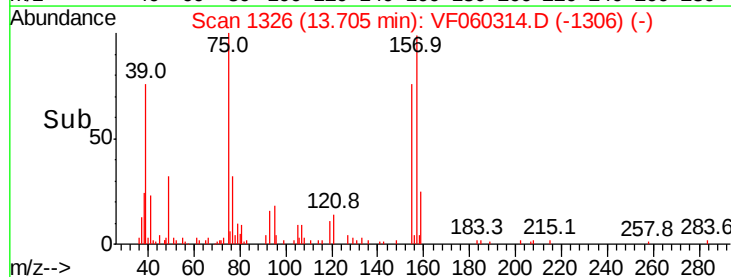
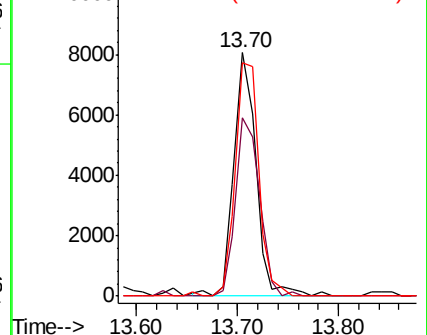
157 95.7 57.4 172.0

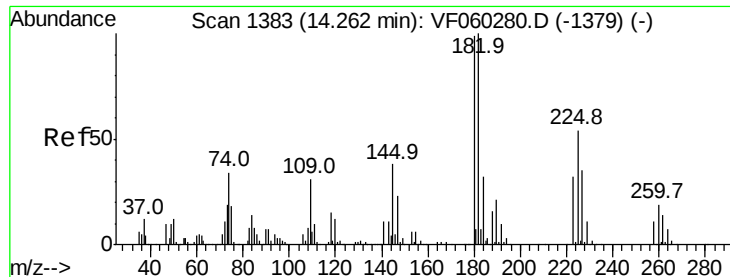


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

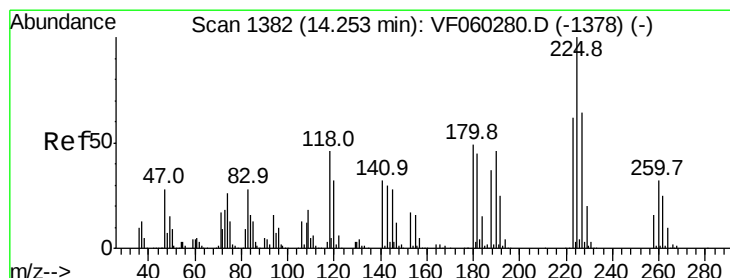
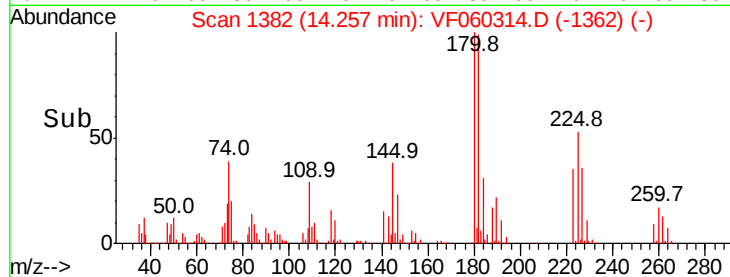
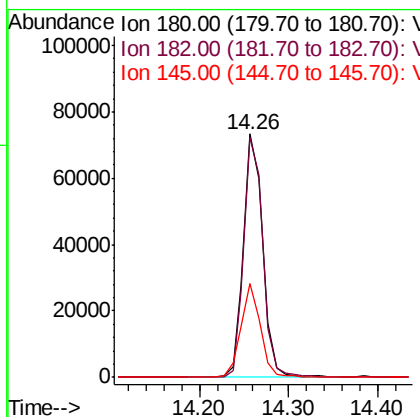
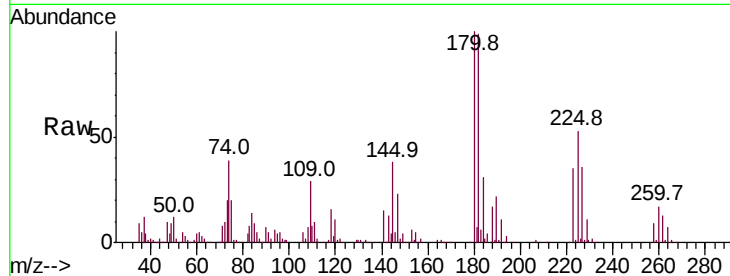




#93
 1,2,4-Trichlorobenzene
 Concen: 22.749 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

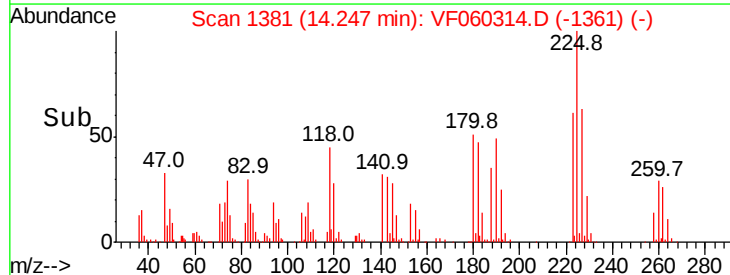
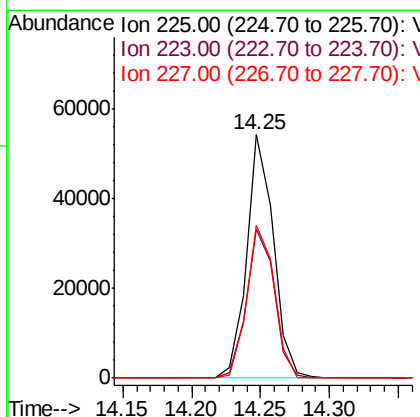
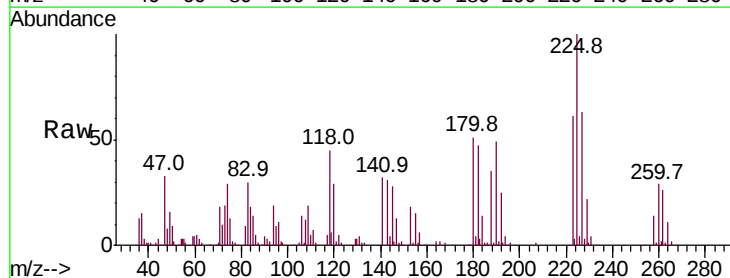
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0921SBS01

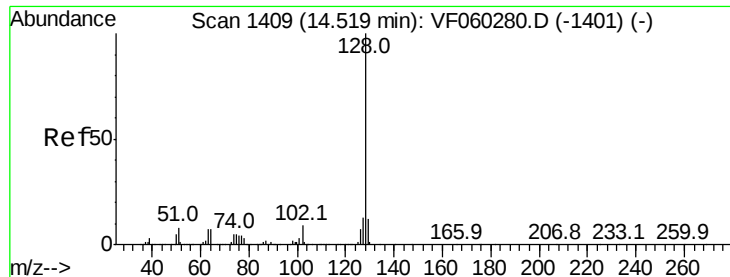
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	50.3	151.0
145	38.4	18.9	56.9



#94
 Hexachlorobutadiene
 Concen: 22.506 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060314.D
 Acq: 21 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.2	93.6
227	62.7	32.2	96.6





#95

Naphthalene

Concen: 23.089 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

Instrument :

MSVOA_F

ClientSampleId :

VF0921SBS01

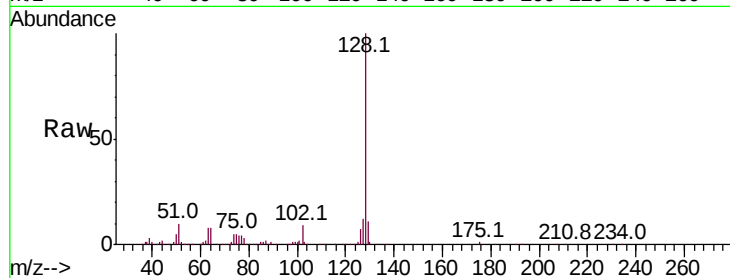
Tot Ion:128 Resp: 196741

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

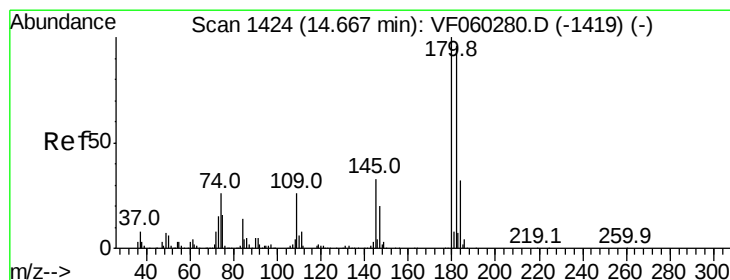
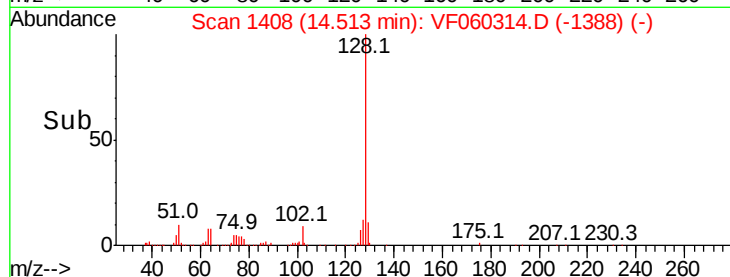
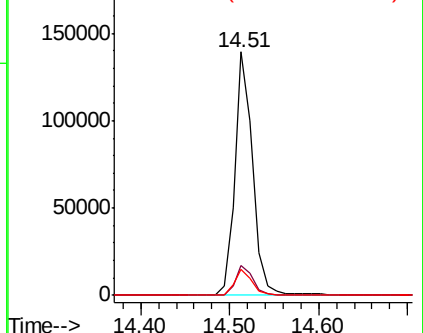
129 10.6 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.010 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060314.D

Acq: 21 Sep 2018 14:13

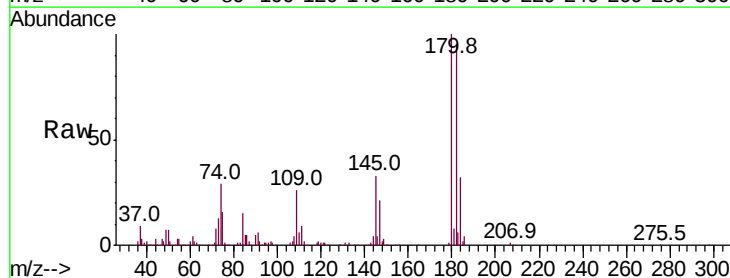
Tgt Ion:180 Resp: 98847

Ion Ratio Lower Upper

180 100

182 95.4 47.8 143.4

145 32.7 16.4 49.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

