

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060298.D
 Acq On : 20 Sep 2018 12:49
 Operator : VA/AP
 Sample : VF0920SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBSD01

Quant Time: Sep 20 15:45:13 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	244588	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	406391	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	353003	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	185374	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	166277	50.49	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	100.98%	
35) Dibromofluoromethane	4.28	113	176211	48.64	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.28%	
50) Toluene-d8	7.69	98	418951	44.41	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	88.82%	
62) 4-Bromofluorobenzene	11.49	95	187675	46.02	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	103613	25.200	ug/l	98
3) Chloromethane	1.12	50	77158	23.149	ug/l	98
4) Vinyl Chloride	1.17	62	80735	23.768	ug/l	99
5) Bromomethane	1.35	94	53391	24.255	ug/l	95
6) Chloroethane	1.43	64	34922	21.587	ug/l	91
7) Trichlorofluoromethane	1.53	101	152147	24.042	ug/l	99
8) Diethyl Ether	1.69	74	20903	19.853	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	78817	23.419	ug/l	95
10) Methyl Iodide	1.96	142	124766	22.989	ug/l	96
11) Tert butyl alcohol	2.67	59	25526	130.913	ug/l	99
12) 1,1-Dichloroethene	1.85	96	65961	23.698	ug/l	94
13) Acrolein	2.00	56	683	Below Cal		93
14) Allyl chloride	2.18	41	107357	22.103	ug/l	95
15) Acrylonitrile	3.06	53	46494	99.955	ug/l	94
16) Acetone	2.32	43	105347	113.581	ug/l	95
17) Carbon Disulfide	1.87	76	204366	25.899	ug/l	94
18) Methyl Acetate	2.43	43	29726	19.238	ug/l #	88
19) Methyl tert-butyl Ether	2.52	73	154846	22.316	ug/l	96
20) Methylene Chloride	2.27	84	40368	10.197	ug/l	88
21) trans-1,2-Dichloroethene	2.40	96	63888	22.224	ug/l	97
22) Diisopropyl ether	2.91	45	192093	20.961	ug/l	93
23) Vinyl Acetate	3.31	43	375287	104.269	ug/l	100
24) 1,1-Dichloroethane	2.98	63	128076	21.550	ug/l	98
25) 2-Butanone	4.48	43	130594	104.607	ug/l	98
26) 2,2-Dichloropropane	3.74	77	79333	23.394	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	82201	21.765	ug/l	91
28) Bromochloromethane	3.87	49	47745	20.634	ug/l	85
29) Tetrahydrofuran	4.23	42	46710	102.171	ug/l	97
30) Chloroform	4.01	83	163033	22.734	ug/l	92
31) Cyclohexane	3.84	56	106820	21.278	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	132717	23.455	ug/l	98
36) 1,1-Dichloropropene	4.44	75	109149	21.532	ug/l	96
37) Ethyl Acetate	4.27	43	51219	23.879	ug/l	99
38) Carbon Tetrachloride	4.15	117	142497	26.171	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	124925	22.739	ug/l	97
40) Benzene	4.79	78	241407	21.002	ug/l	96
41) Methacrylonitrile	4.90	41	23919	20.551	ug/l	92
42) 1,2-Dichloroethane	5.09	62	93445	22.087	ug/l	100
43) Isopropyl Acetate	7.09	43	56106	21.728	ug/l #	94
44) Trichloroethene	5.66	130	76221	22.282	ug/l	98
45) 1,2-Dichloropropane	6.38	63	61115	20.544	ug/l	98
46) Dibromomethane	6.24	93	45539	21.416	ug/l	95
47) Bromodichloromethane	6.52	83	113646	22.240	ug/l	99
48) Methyl methacrylate	6.85	41	35569	19.623	ug/l	95
49) 1,4-Dioxane	6.85	88	7778	480.309	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	203171	102.087	ug/l	95
52) Toluene	7.76	92	150242	20.662	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	86048	20.876	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	108638	20.922	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	46732	21.175	ug/l	89
56) Ethyl methacrylate	8.74	69	54396	20.408	ug/l	92
57) 1,3-Dichloropropane	8.98	76	74615	20.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	24874	105.562	ug/l	100
59) 2-Hexanone	9.61	43	160165	113.029	ug/l	99
60) Dibromochloromethane	8.84	129	70860	21.542	ug/l	91
61) 1,2-Dibromoethane	9.12	107	52399	21.321	ug/l	93
64) Tetrachloroethene	8.29	164	70271	21.959	ug/l	93
65) Chlorobenzene	9.92	112	172585	21.572	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	73347	22.091	ug/l	93
67) Ethyl Benzene	10.02	91	324680	21.949	ug/l	96
68) m/p-Xylenes	10.25	106	221890	43.417	ug/l	92
69) o-Xylene	10.81	106	123992	21.630	ug/l	92
70) Styrene	10.89	104	181818	22.491	ug/l	95
71) Bromoform	10.87	173	38594	21.165	ug/l	83
73) Isopropylbenzene	11.22	105	364588	21.908	ug/l	98
74) N-amyl acetate	11.45	43	84237	23.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	63092	21.393	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	46314	21.932	ug/l	97
77) Bromobenzene	11.58	156	77246	21.538	ug/l	95
78) n-propylbenzene	11.68	91	435781	21.877	ug/l	100
79) 2-Chlorotoluene	11.80	91	248106	22.102	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	311523	23.255	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	30296	27.147	ug/l	93
82) 4-Chlorotoluene	11.97	91	247123	21.902	ug/l	99
83) tert-Butylbenzene	12.20	119	299168	22.031	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	293809	21.599	ug/l	96
85) sec-Butylbenzene	12.38	105	411407	21.205	ug/l	99
86) p-Isopropyltoluene	12.53	119	343391	22.883	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	151568	22.616	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	143570	21.674	ug/l	97
89) n-Butylbenzene	12.91	91	356872	21.754	ug/l	96
90) Hexachloroethane	12.98	117	82236	21.642	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	136653	21.375	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11872	21.440	ug/l	93

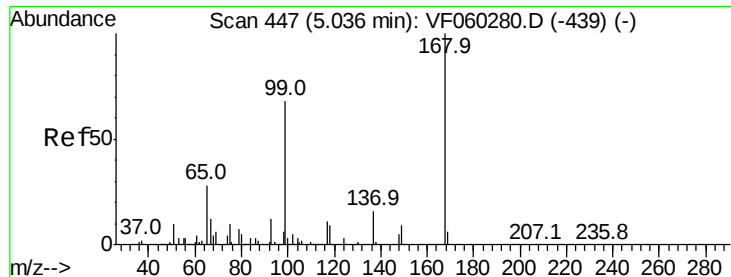
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	104754	22.543	ug/l	96
94) Hexachlorobutadiene	14.24	225	69795	22.219	ug/l	96
95) Naphthalene	14.51	128	190329	23.362	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	94422	21.991	ug/l	96

(#) = 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: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

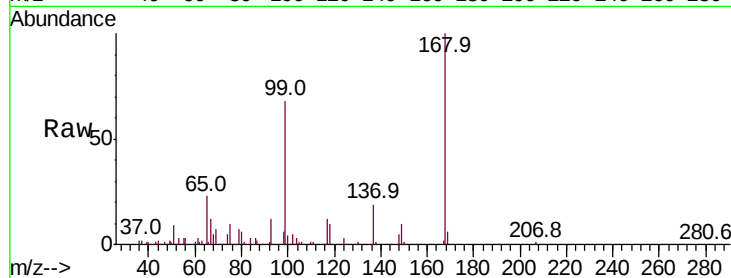
VF0920SBS01

Tot Ion:168 Resp: 244588

Ion Ratio Lower Upper

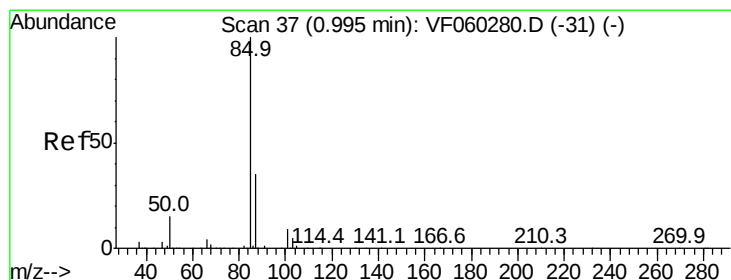
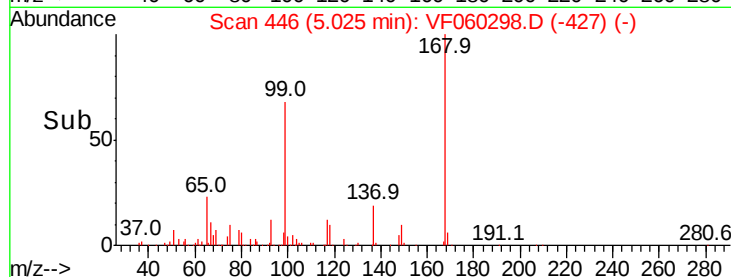
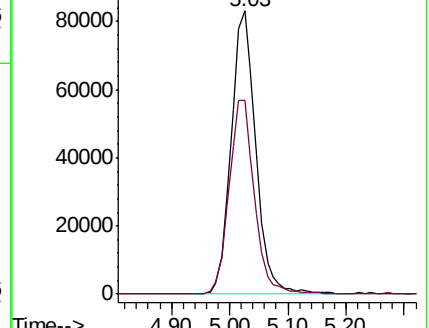
168 100

99 68.4 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 25.200 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060298.D

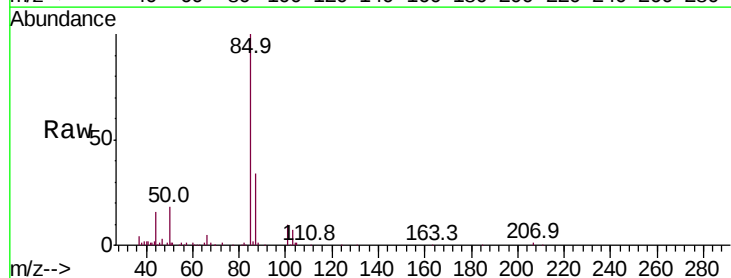
Acq: 20 Sep 2018 12:49

Tgt Ion: 85 Resp: 103613

Ion Ratio Lower Upper

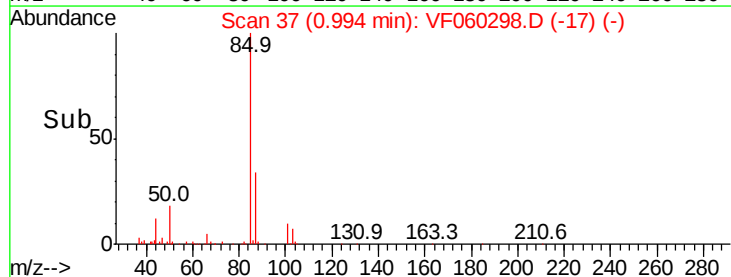
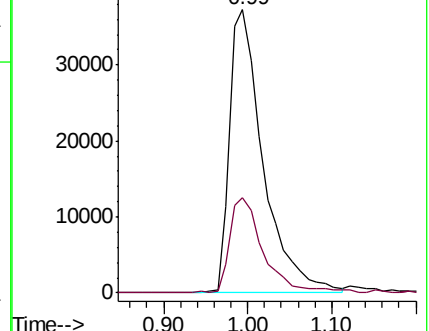
85 100

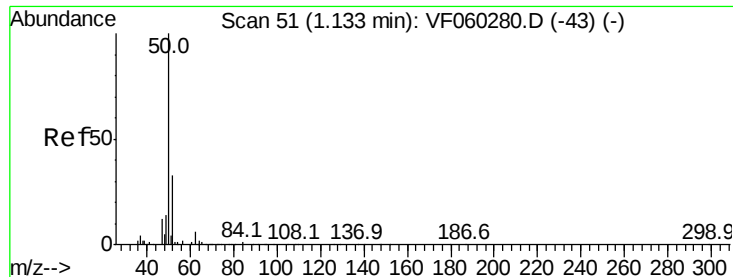
87 33.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.149 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

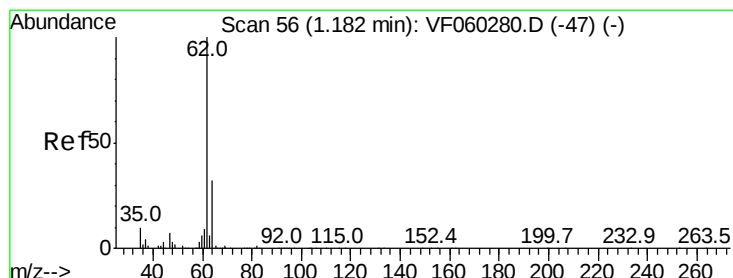
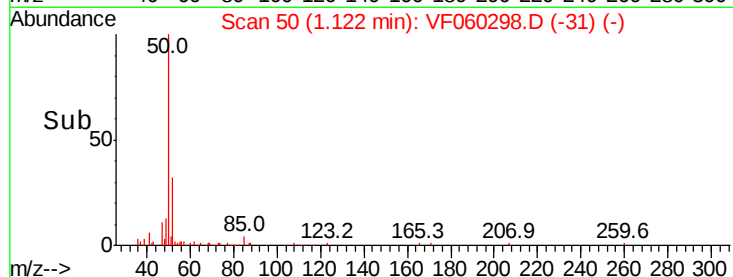
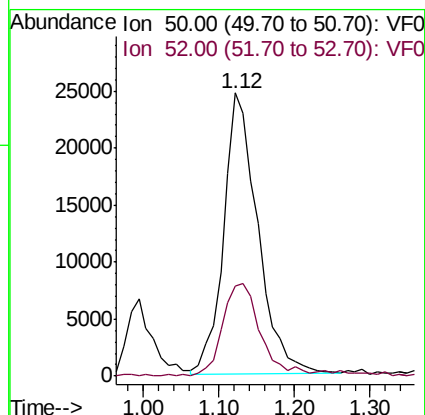
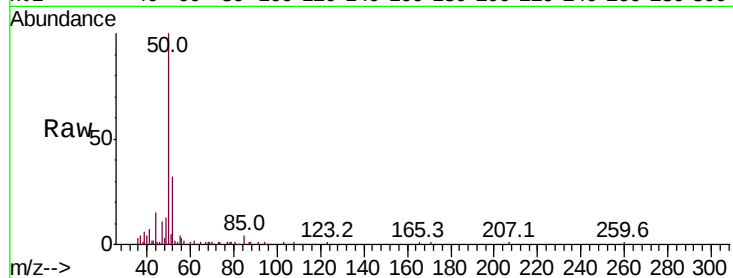
VF0920SBS01

Tot Ion: 50 Resp: 77158

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 23.768 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060298.D

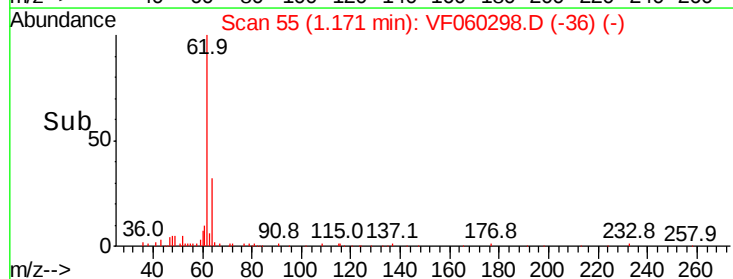
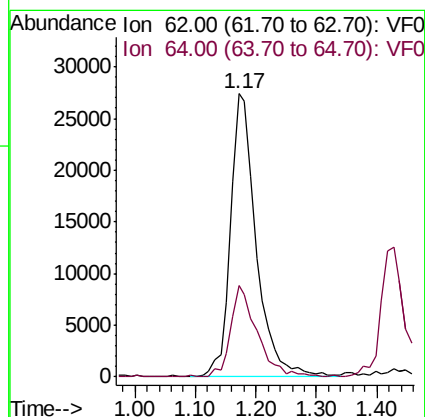
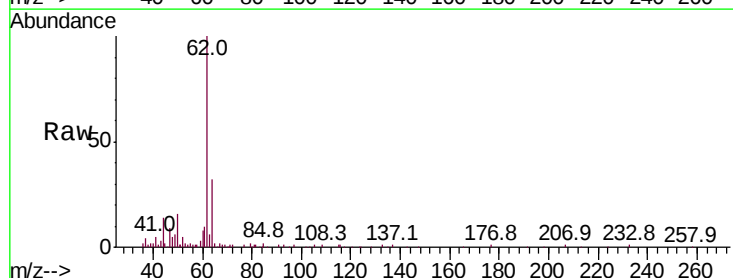
Acq: 20 Sep 2018 12:49

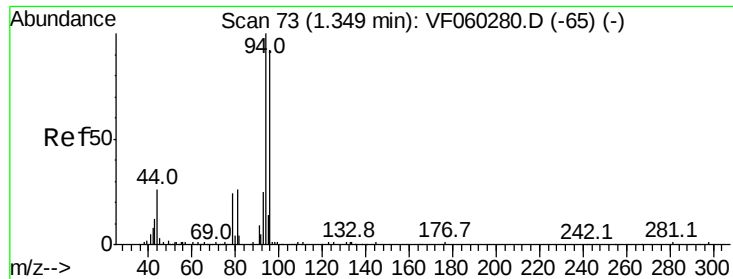
Tgt Ion: 62 Resp: 80735

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 24.255 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

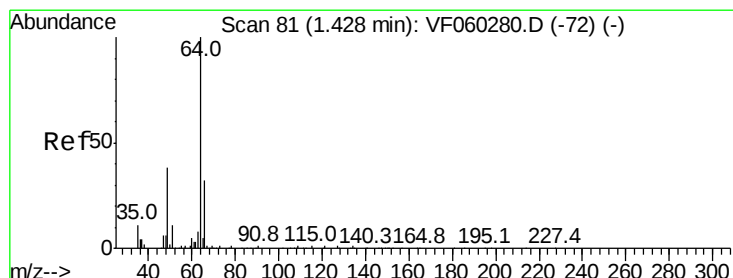
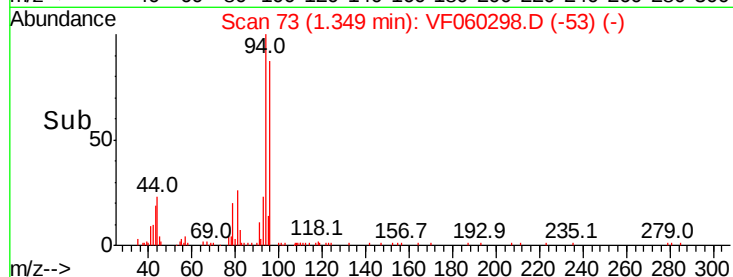
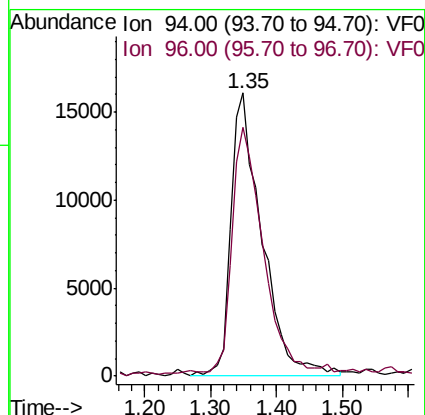
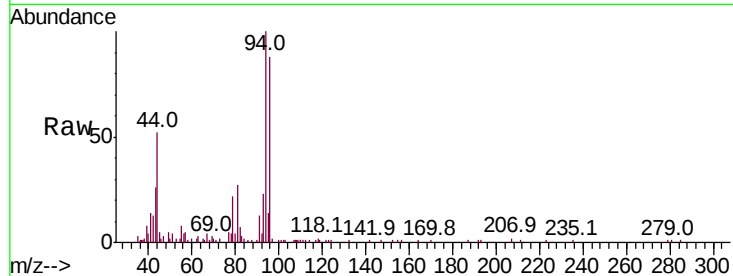
VF0920SBS01

Tot Ion: 94 Resp: 53391

Ion Ratio Lower Upper

94 100

96 87.7 73.9 110.9



#6

Chloroethane

Concen: 21.587 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060298.D

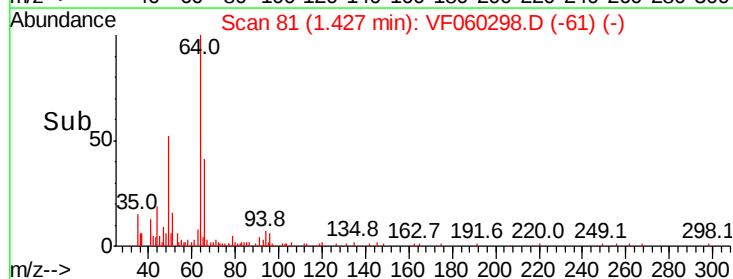
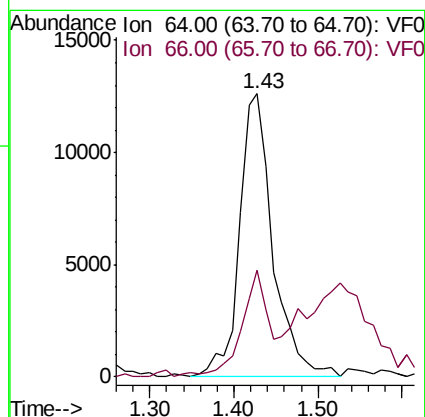
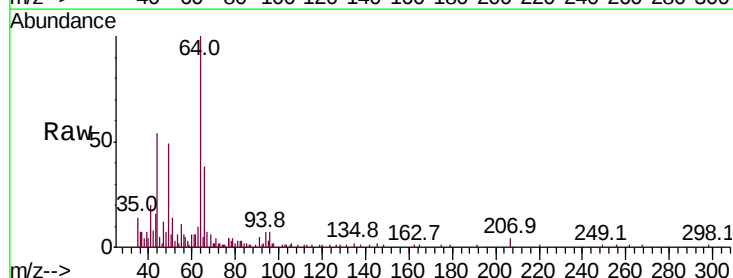
Acq: 20 Sep 2018 12:49

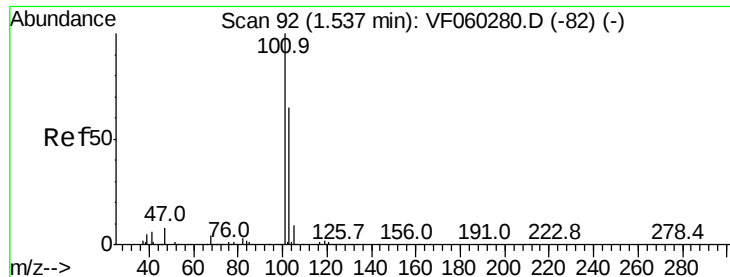
Tgt Ion: 64 Resp: 34922

Ion Ratio Lower Upper

64 100

66 37.7 26.2 39.2





#7

Trichlorofluoromethane

Concen: 24.042 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

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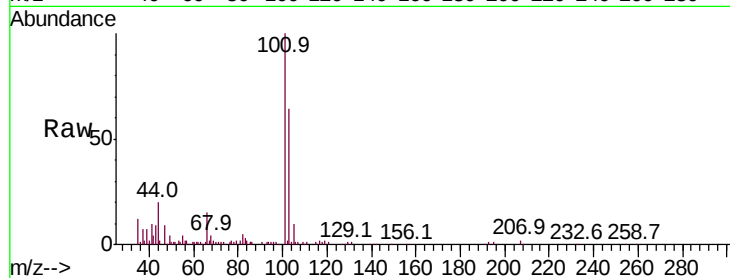
VF0920SBSD01

Tot Ion:101 Resp: 152147

Ion Ratio Lower Upper

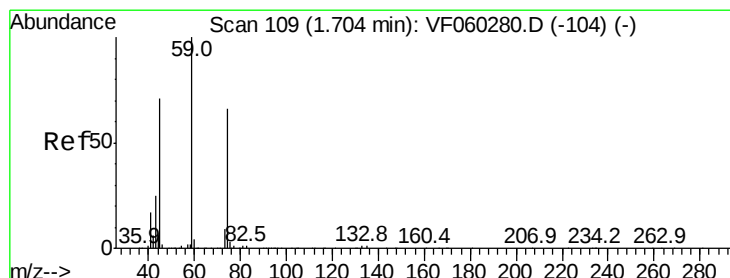
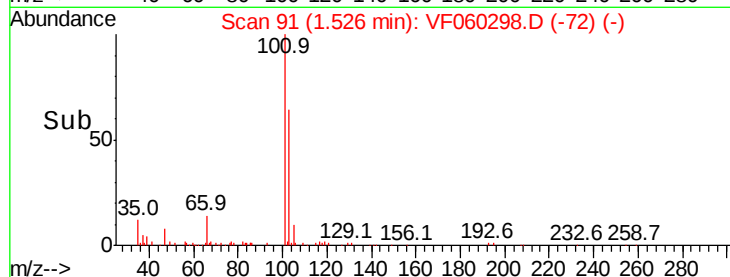
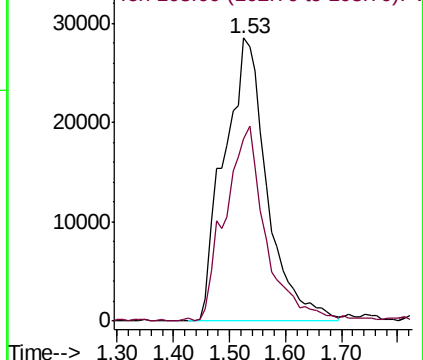
101 100

103 64.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 19.853 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060298.D

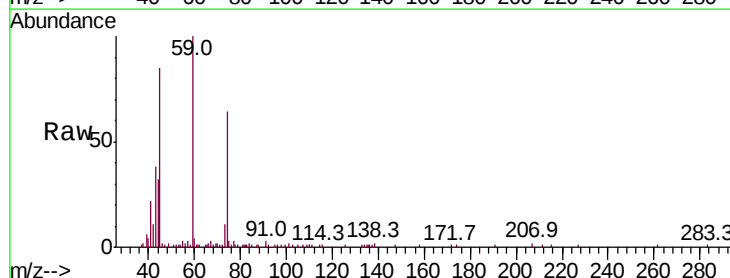
Acq: 20 Sep 2018 12:49

Tgt Ion: 74 Resp: 20903

Ion Ratio Lower Upper

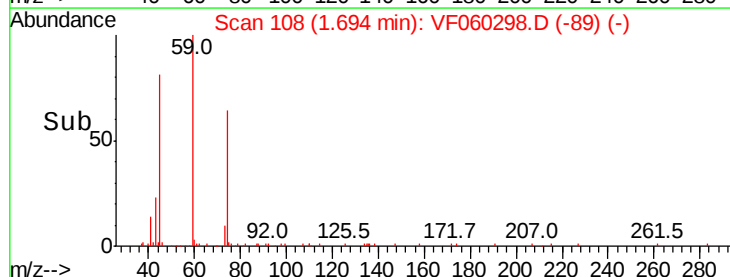
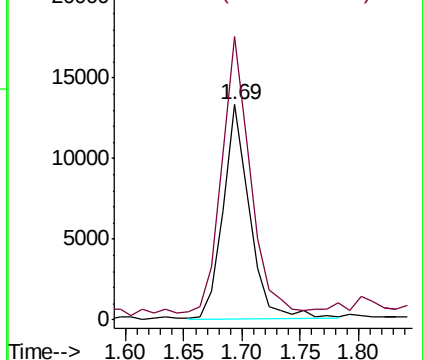
74 100

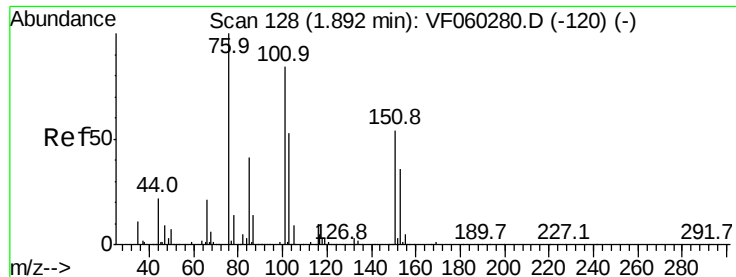
45 131.6 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.419 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060298.D

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VF0920SBS01

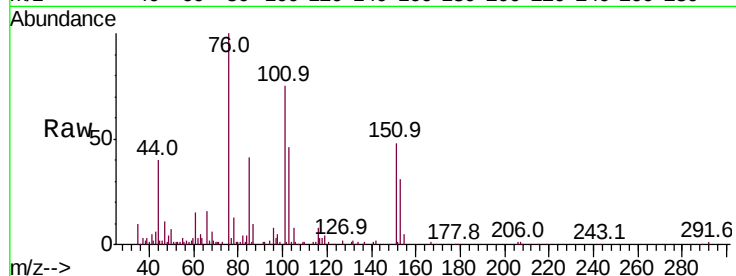
Tot Ion:101 Resp: 78817

Ion Ratio Lower Upper

101 100

85 54.8 38.7 58.1

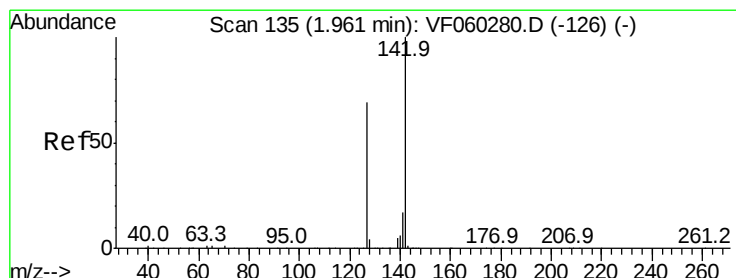
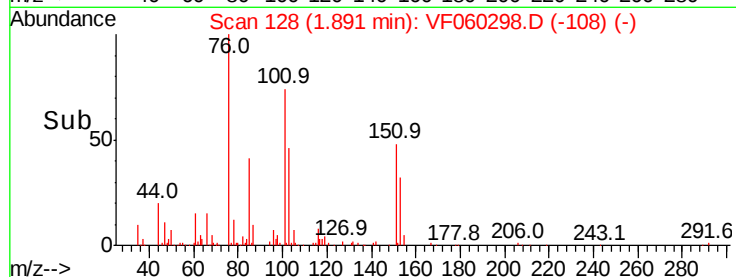
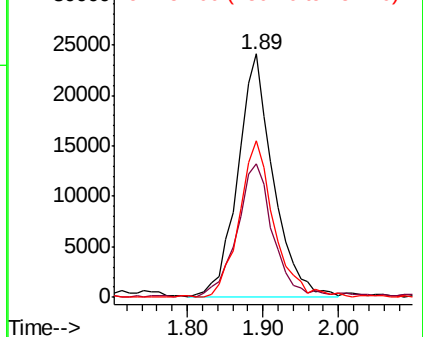
151 64.1 50.8 76.2



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: 22.989 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

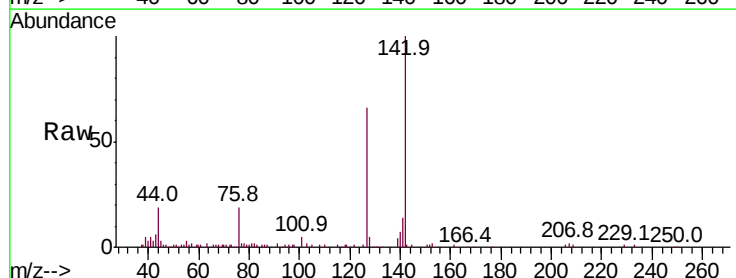
Tgt Ion:142 Resp: 124766

Ion Ratio Lower Upper

142 100

127 66.2 55.4 83.0

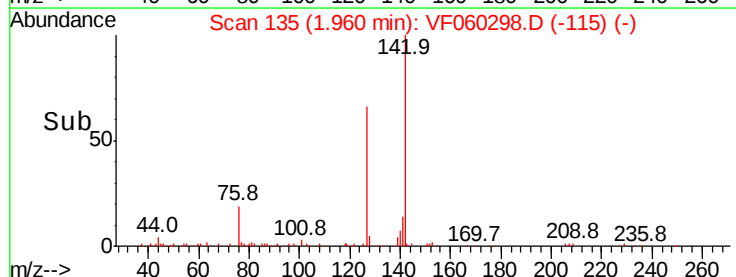
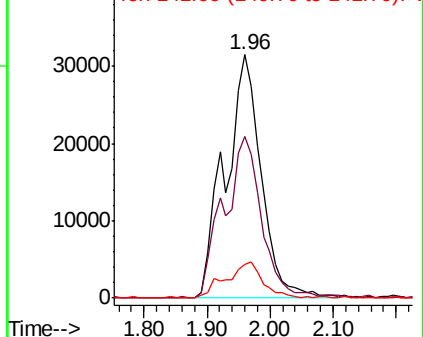
141 13.9 13.3 19.9

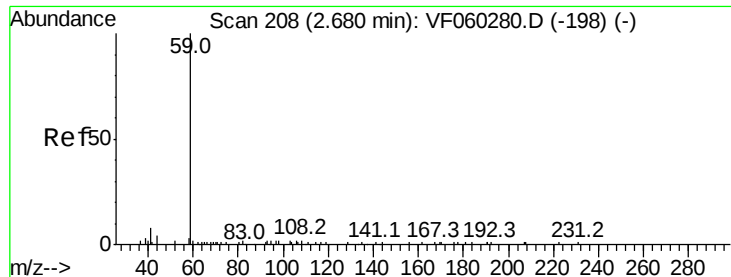


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

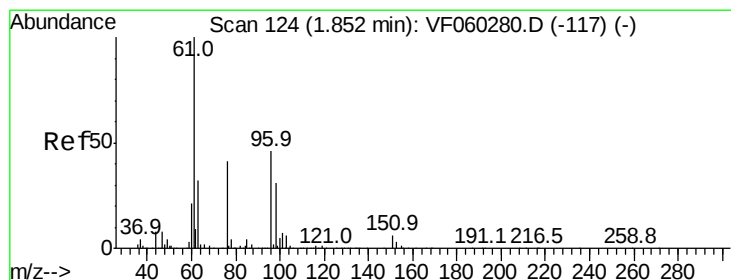
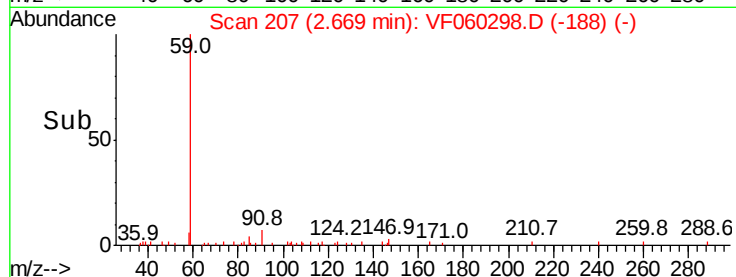
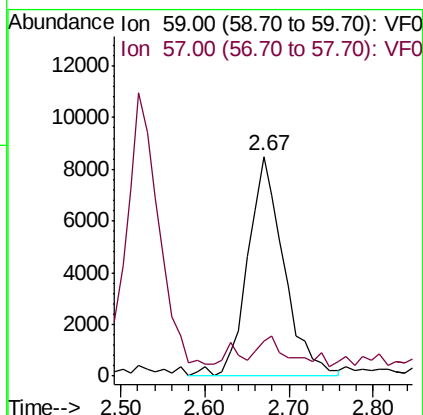
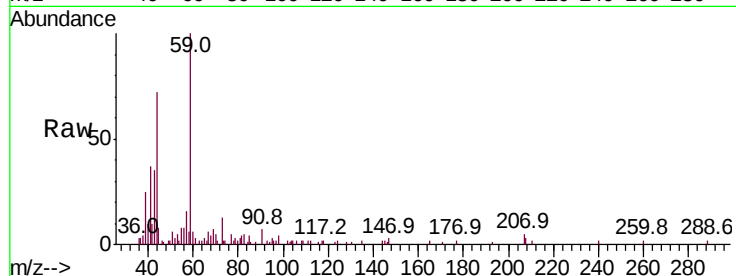




#11
Tert butyl alcohol
Concen: 130.913 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

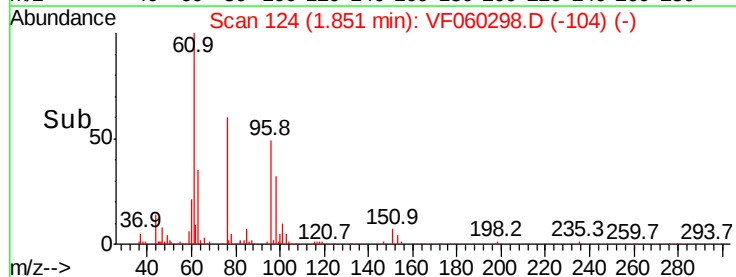
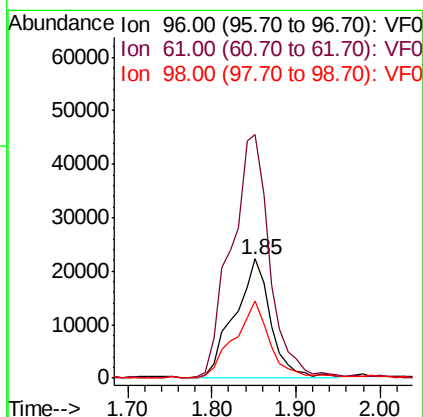
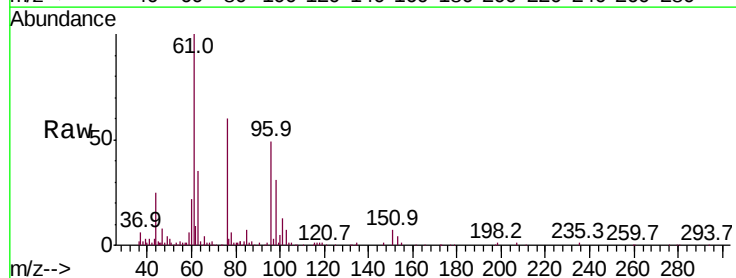
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

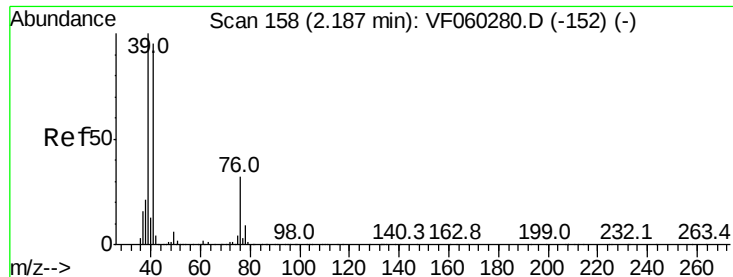
Tot Ion: 59 Resp: 25526
Ion Ratio Lower Upper
59 100
57 15.8 12.4 18.6



#12
1,1-Dichloroethene
Concen: 23.698 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion: 96 Resp: 65961
Ion Ratio Lower Upper
96 100
61 204.4 172.2 258.2
98 64.3 54.1 81.1

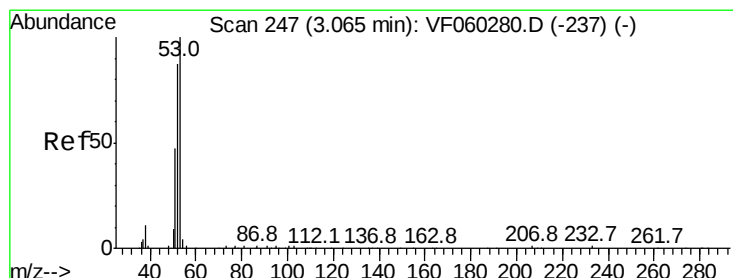
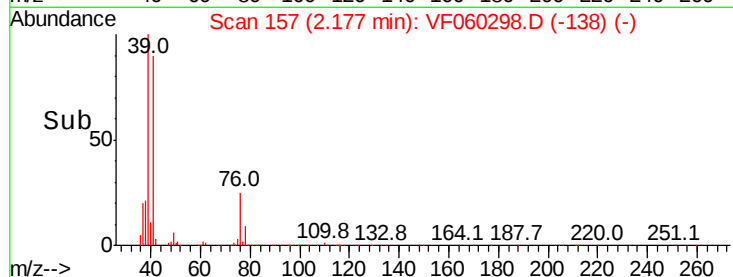
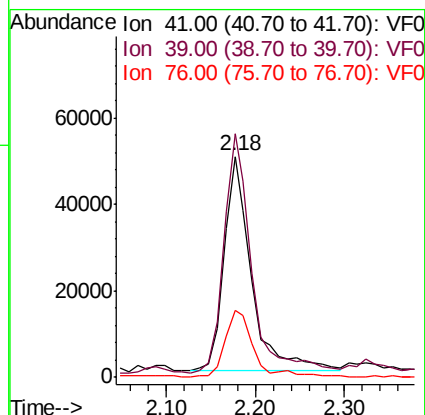
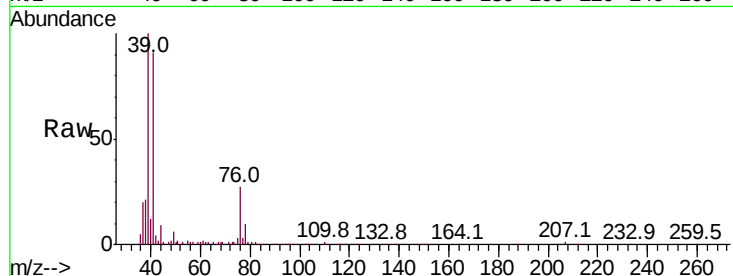




#14
Allvl chloride
Concen: 22.103 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

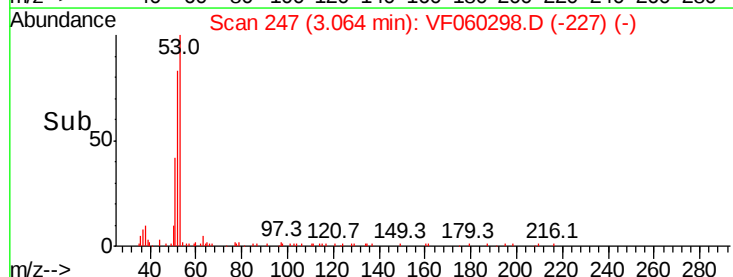
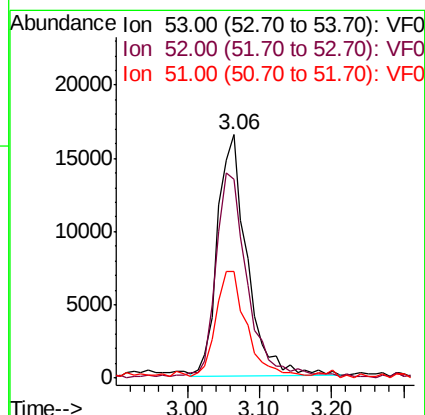
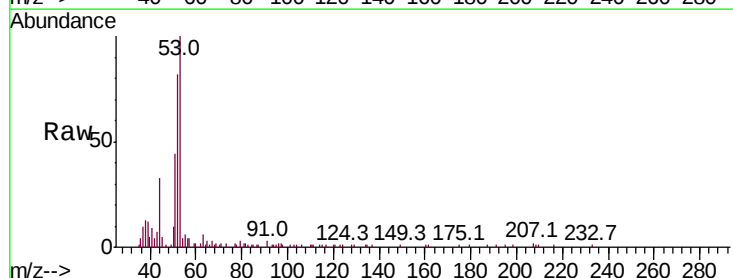
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

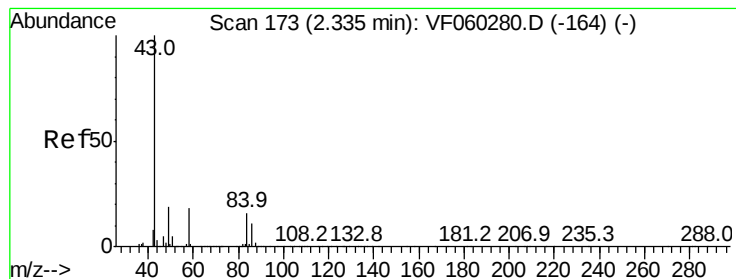
Tot Ion	Ratio	Lower	Upper
41	100		
39	110.3	84.8	127.2
76	30.2	27.4	41.2



#15
Acrylonitrile
Concen: 99.955 ug/l
RT: 3.06 min Scan# 247
Delta R.T. -0.00 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.8	69.5	104.3
51	43.6	38.1	57.1





#16

Acetone

Concen: 113.581 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

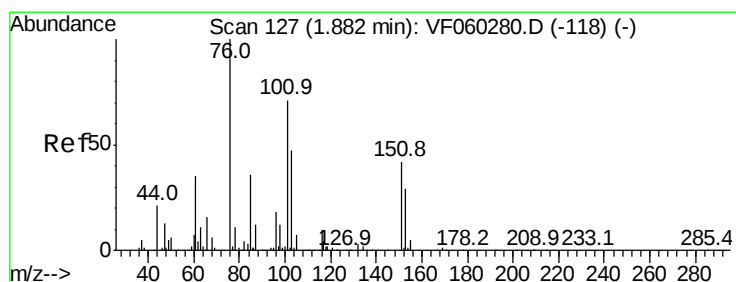
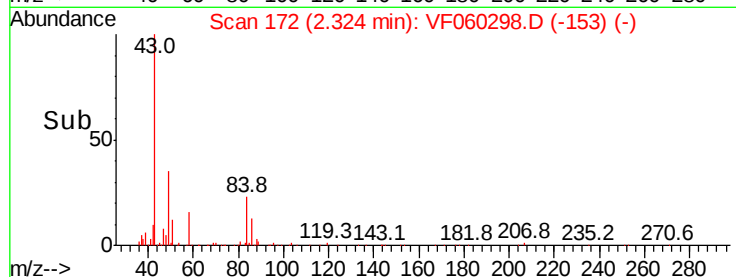
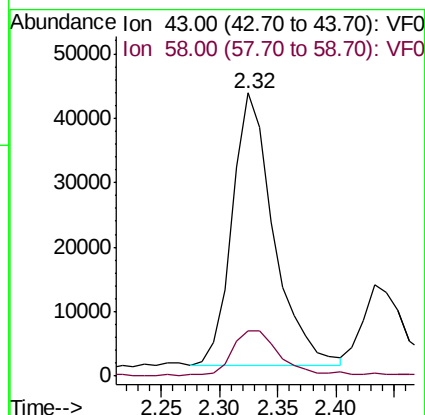
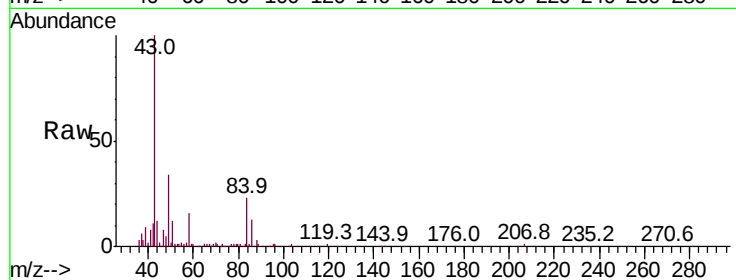
VF0920SBS01

Tot Ion: 43 Resp: 105347

Ion Ratio Lower Upper

43 100

58 15.9 14.5 21.7



#17

Carbon Disulfide

Concen: 25.899 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060298.D

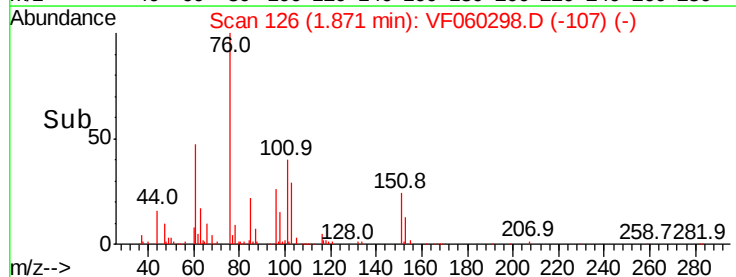
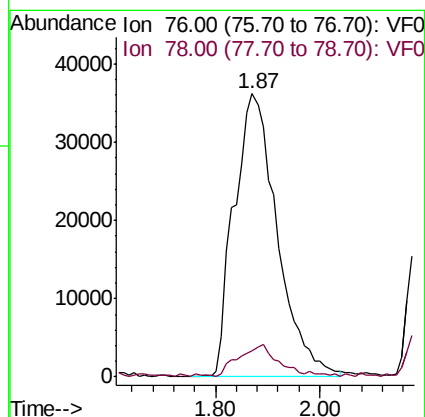
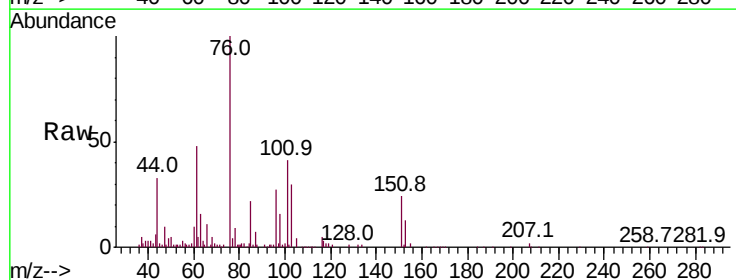
Acq: 20 Sep 2018 12:49

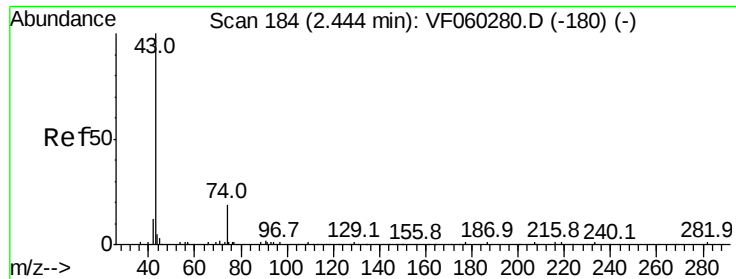
Tgt Ion: 76 Resp: 204366

Ion Ratio Lower Upper

76 100

78 9.4 9.4 14.0

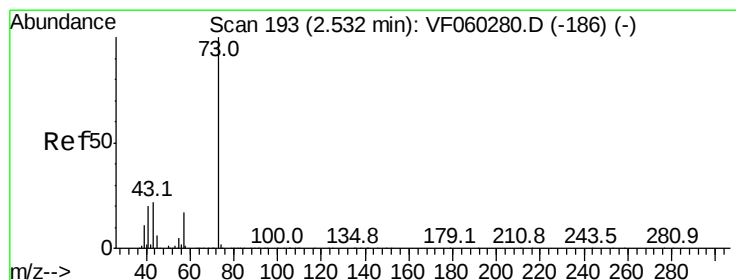
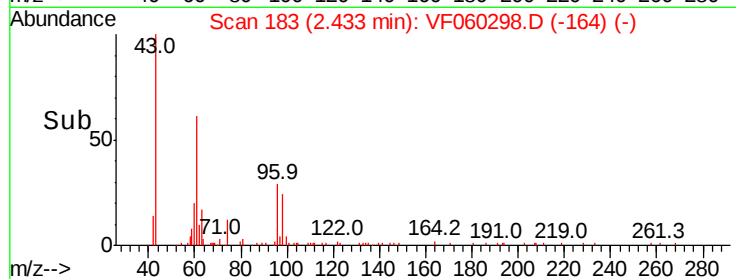
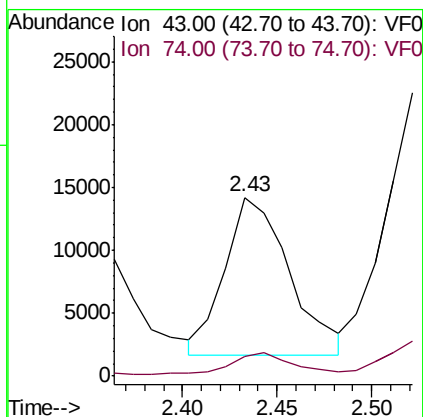
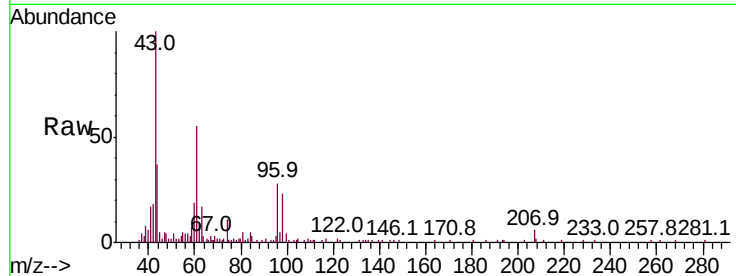




#18
Methyl Acetate
Concen: 19.238 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

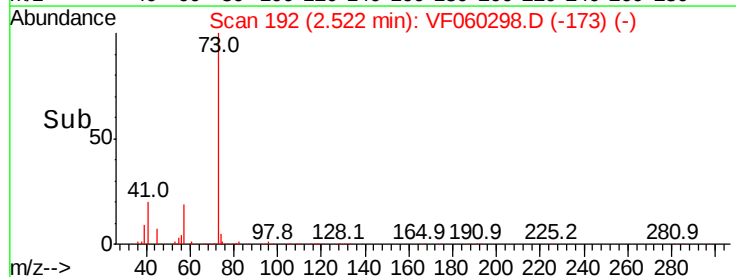
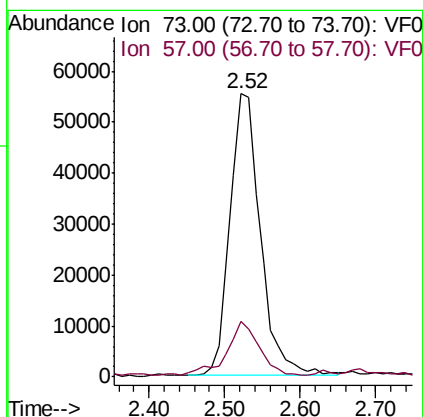
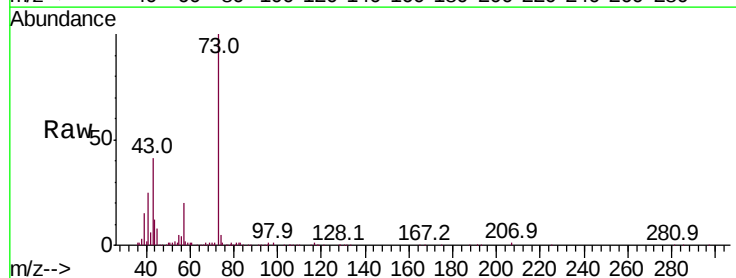
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

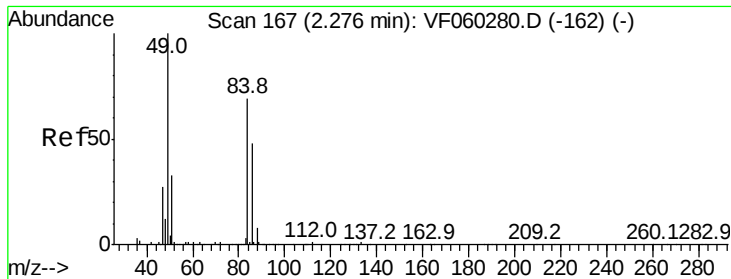
Tot Ion: 43 Resp: 29726
Ion Ratio Lower Upper
43 100
74 11.0 12.7 19.1#



#19
Methyl tert-butyl Ether
Concen: 22.316 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion: 73 Resp: 154846
Ion Ratio Lower Upper
73 100
57 19.7 14.5 21.7

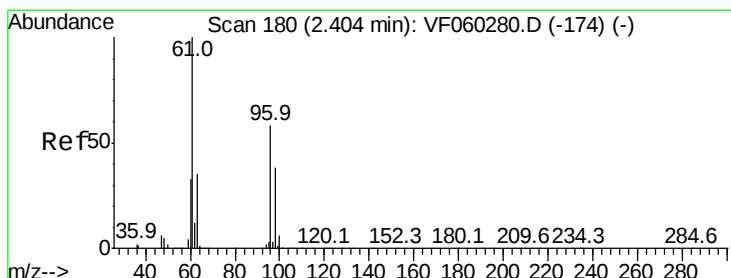
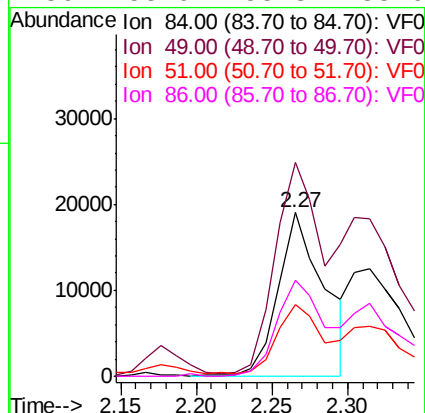
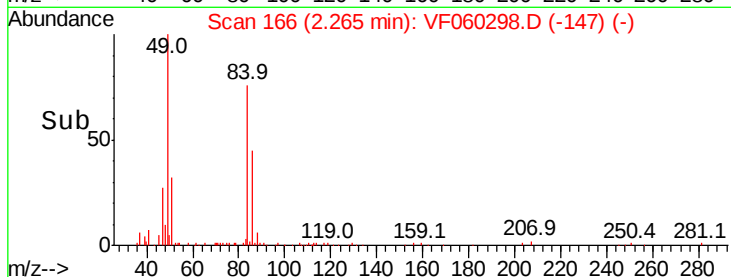
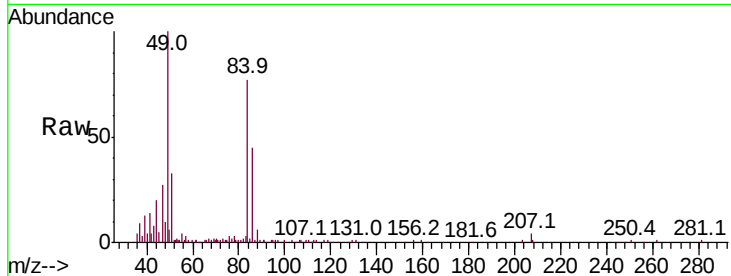




#20
Methylene Chloride
Concen: 10.197 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

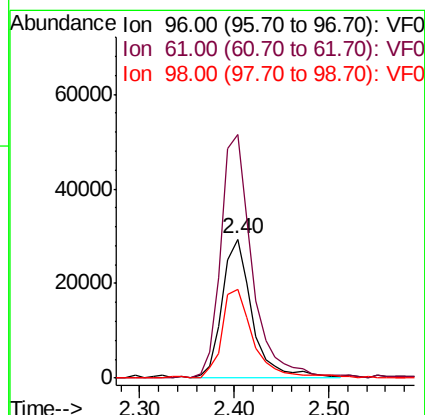
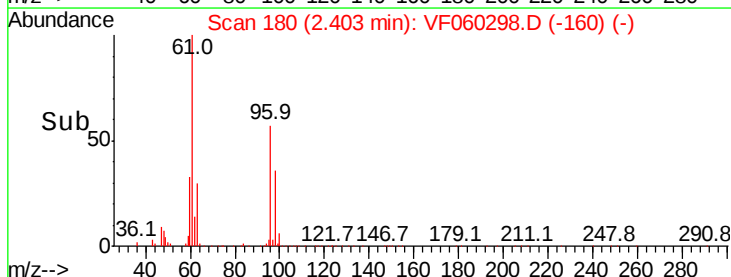
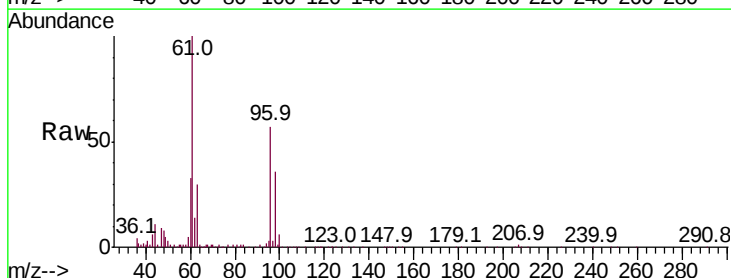
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

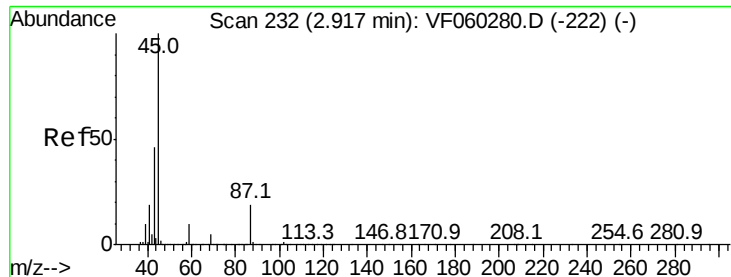
Tot Ion:	84	Resp:	40368
Ion	Ratio	Lower	Upper
84	100		
49	130.5	118.3	177.5
51	43.7	38.7	58.1
86	58.9	55.8	83.6



#21
trans-1,2-Dichloroethene
Concen: 22.224 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.00 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion:	96	Resp:	63888
Ion	Ratio	Lower	Upper
96	100		
61	175.3	136.4	204.6
98	63.9	51.8	77.6





#22

Diisopropyl ether

Concen: 20.961 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 45 Resp: 192093

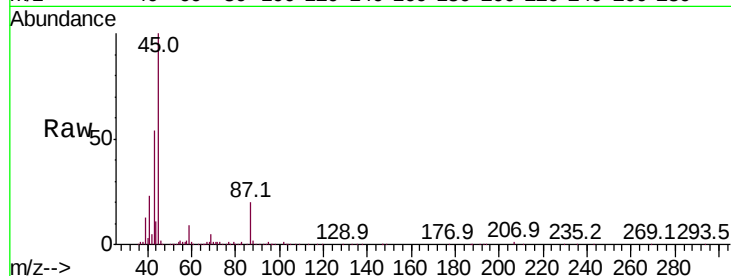
Ion Ratio Lower Upper

45 100

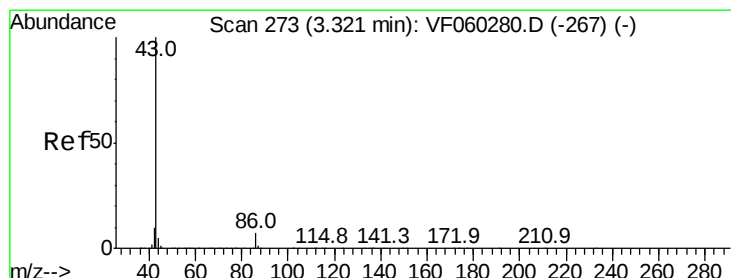
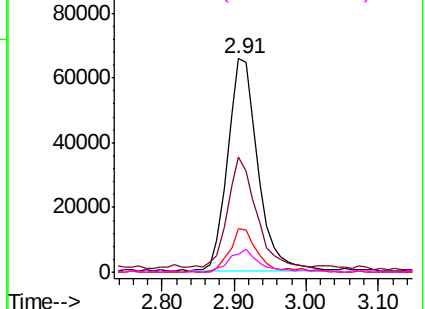
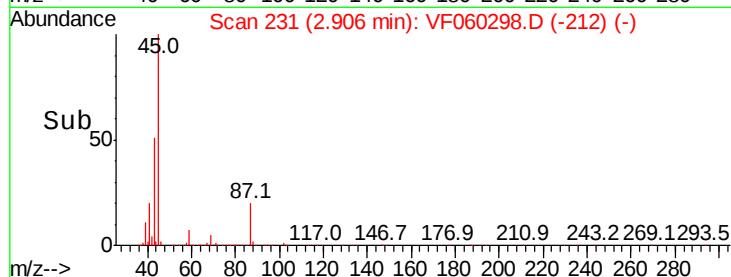
43 54.1 38.2 57.2

87 20.2 15.5 23.3

59 8.7 7.7 11.5



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 104.269 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060298.D

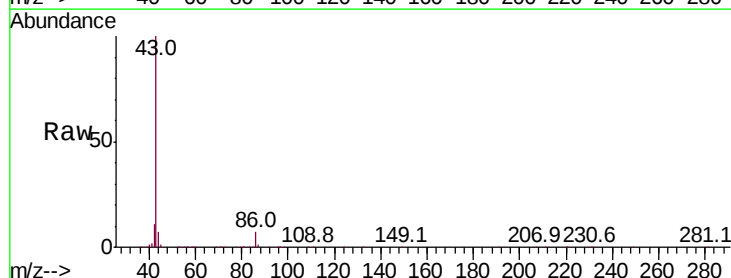
Acq: 20 Sep 2018 12:49

Tgt Ion: 43 Resp: 375287

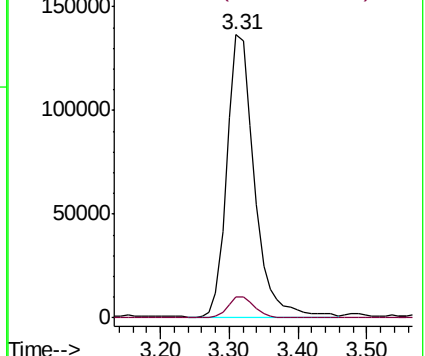
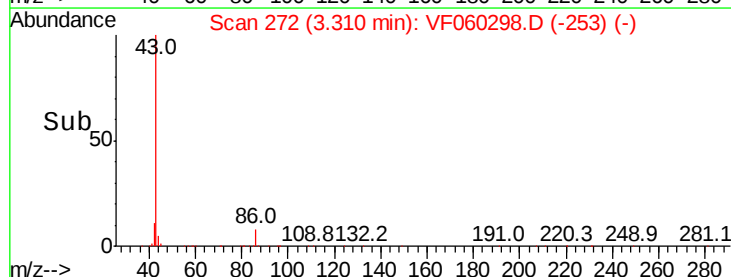
Ion Ratio Lower Upper

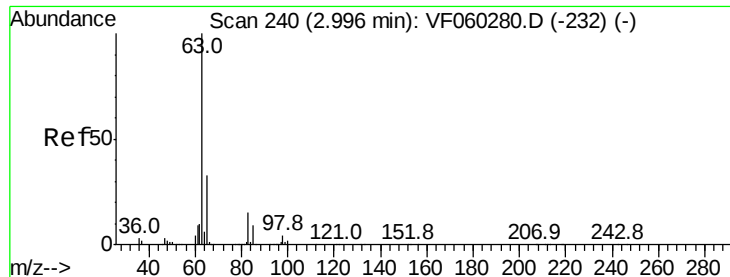
43 100

86 7.5 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 21.550 ug/l

RT: 2.98 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

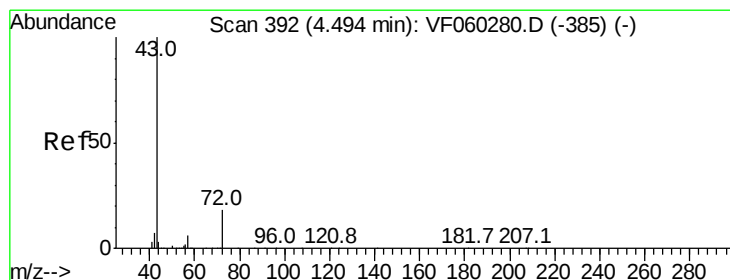
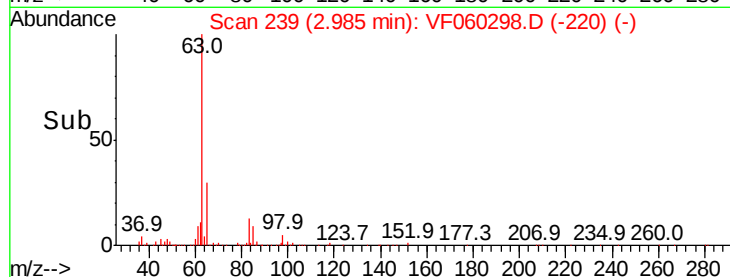
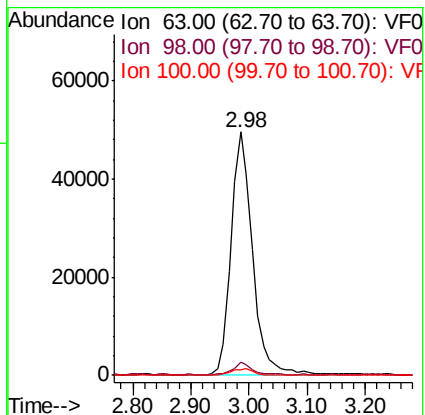
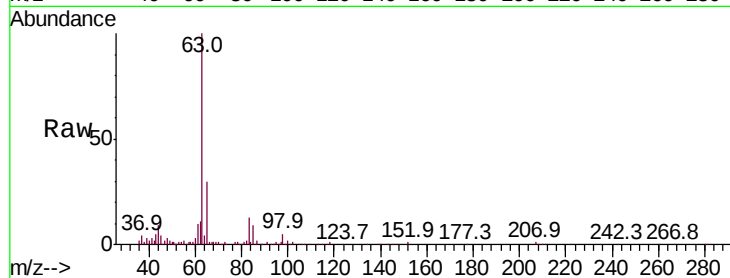
Tot Ion: 63 Resp: 128076

Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.5

100 2.4 1.1 3.3



#25

2-Butanone

Concen: 104.607 ug/l

RT: 4.48 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060298.D

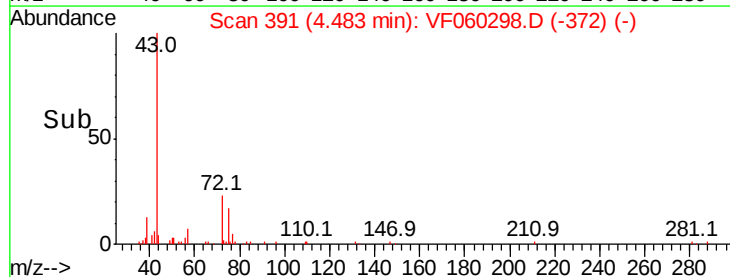
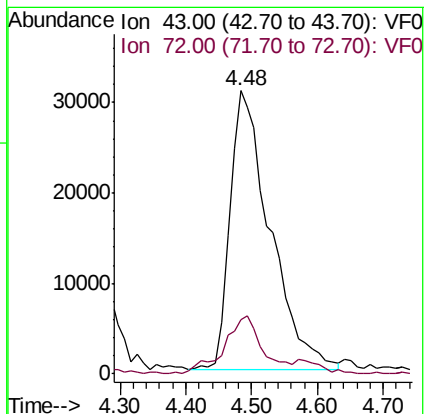
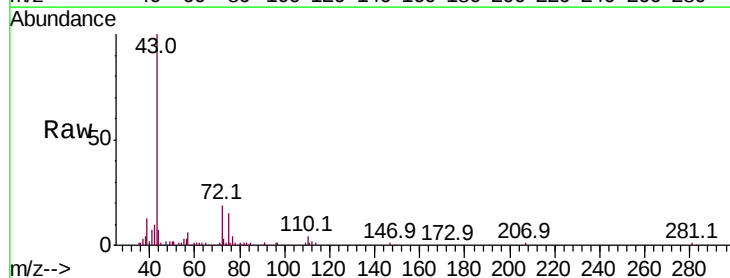
Acq: 20 Sep 2018 12:49

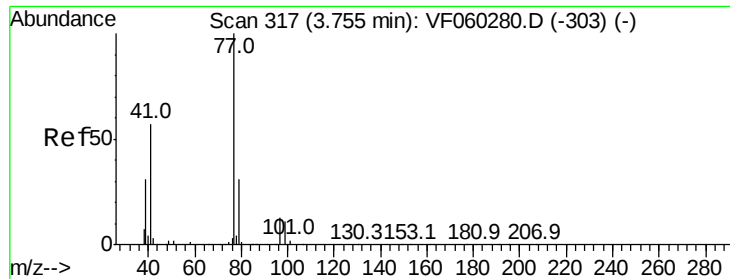
Tgt Ion: 43 Resp: 130594

Ion Ratio Lower Upper

43 100

72 19.1 16.2 24.2

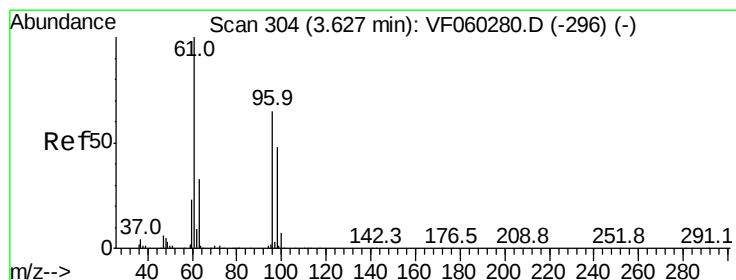
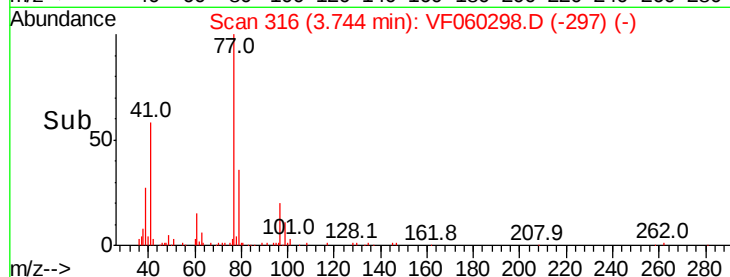
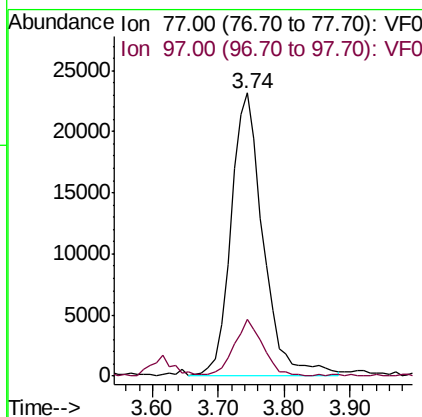
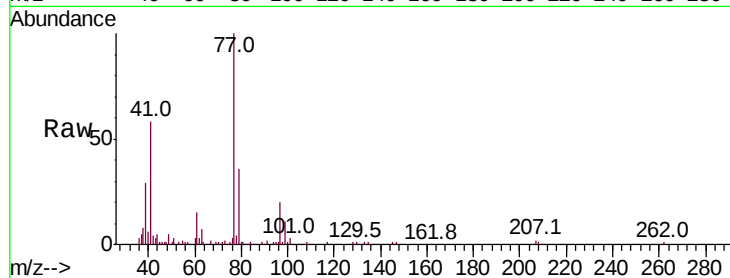




#26
2,2-Dichloropropane
Concen: 23.394 ug/l
RT: 3.74 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

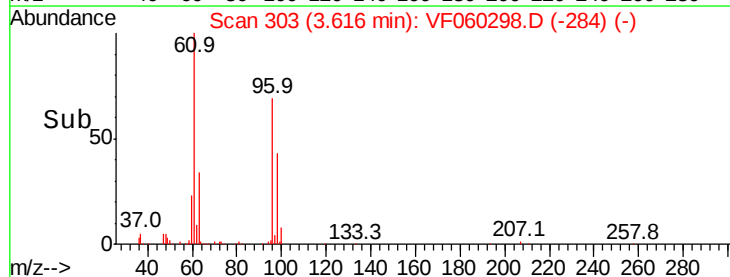
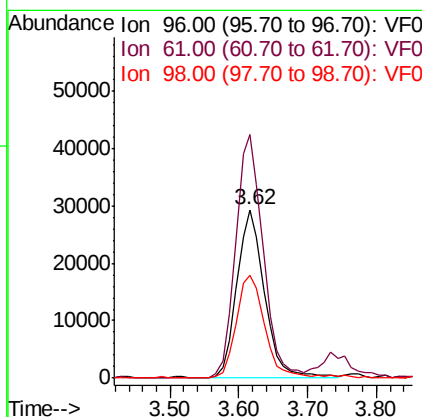
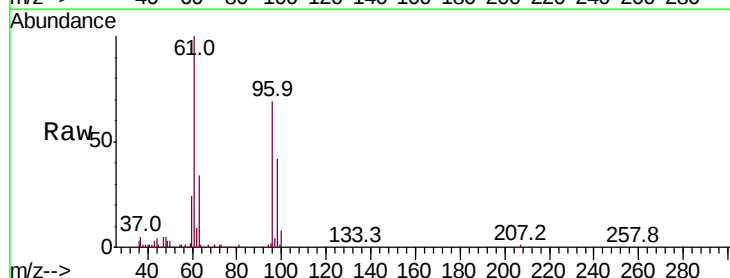
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

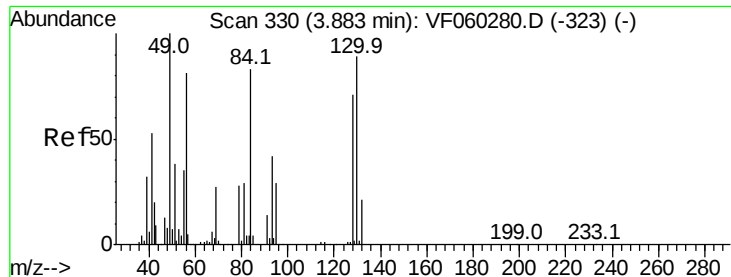
Tot Ion: 77 Resp: 79333
Ion Ratio Lower Upper
77 100
97 20.2 9.3 27.9



#27
cis-1,2-Dichloroethene
Concen: 21.765 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion: 96 Resp: 82201
Ion Ratio Lower Upper
96 100
61 144.6 0.0 304.8
98 61.3 0.0 146.4





#28

Bromochloromethane

Concen: 20.634 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

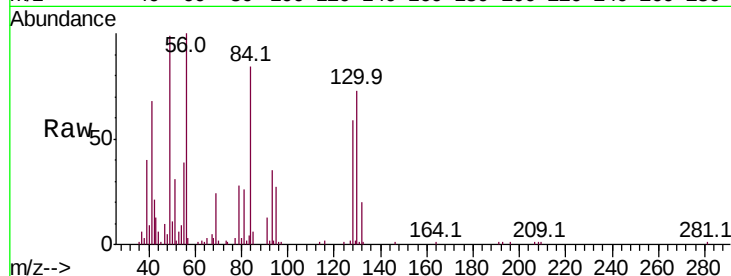
Tot Ion: 49 Resp: 47745

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

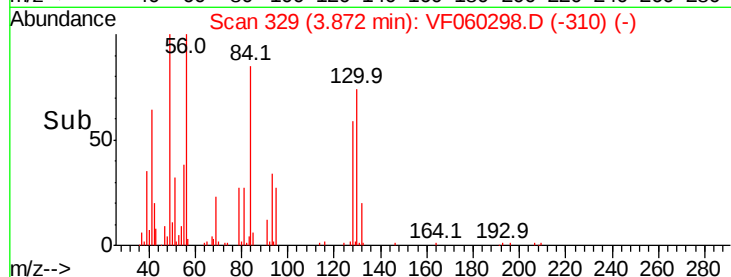
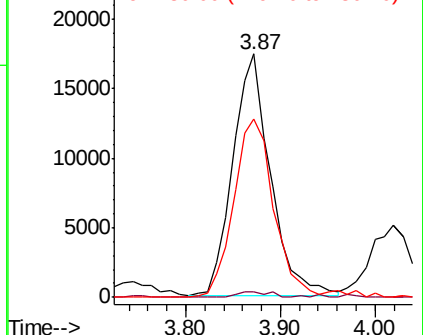
130 73.2 70.3 105.5



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 102.171 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

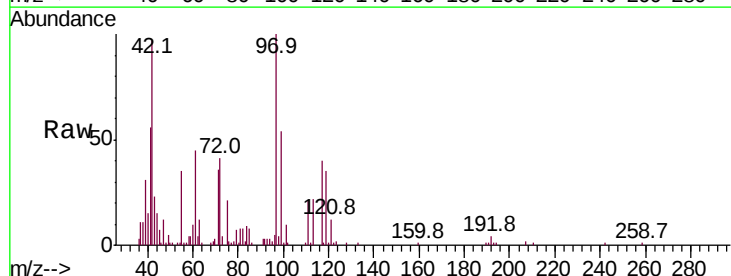
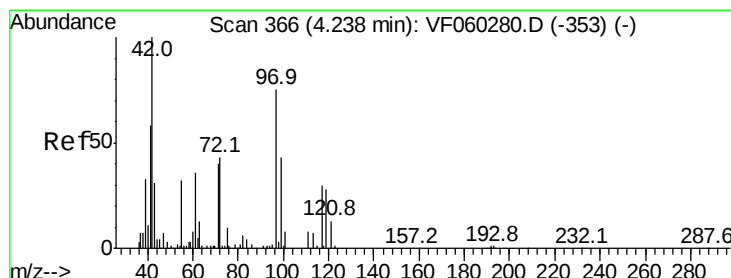
Tgt Ion: 42 Resp: 46710

Ion Ratio Lower Upper

42 100

72 41.9 32.6 49.0

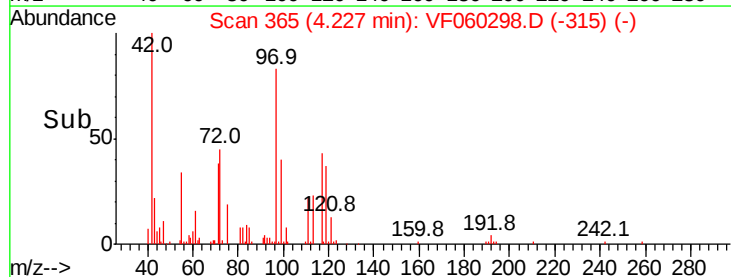
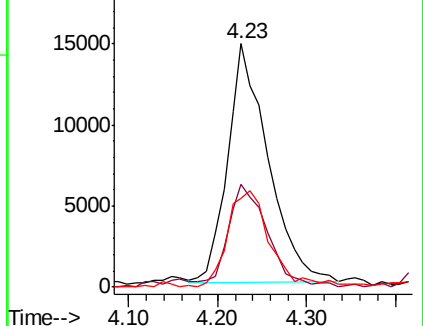
71 43.2 32.7 49.1

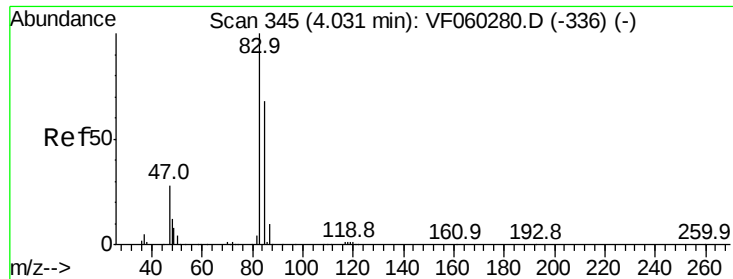


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#30

Chloroform

Concen: 22.734 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

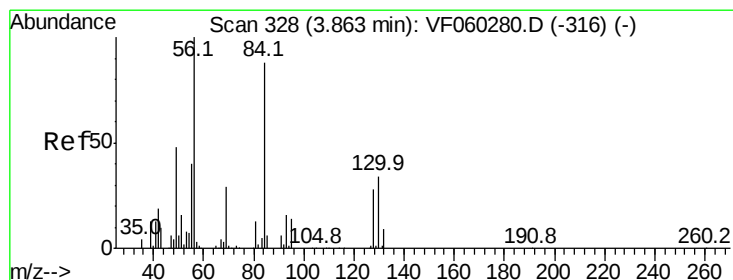
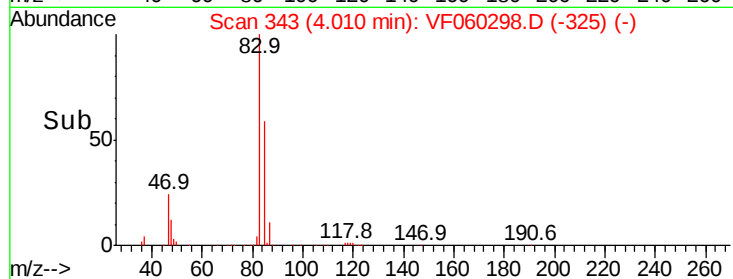
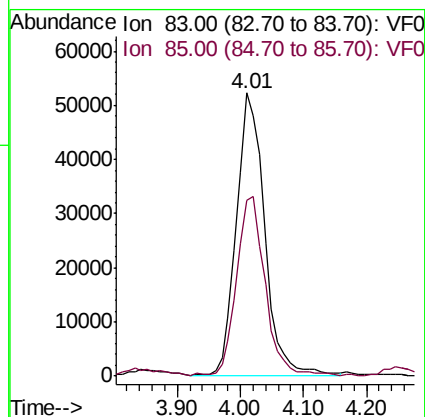
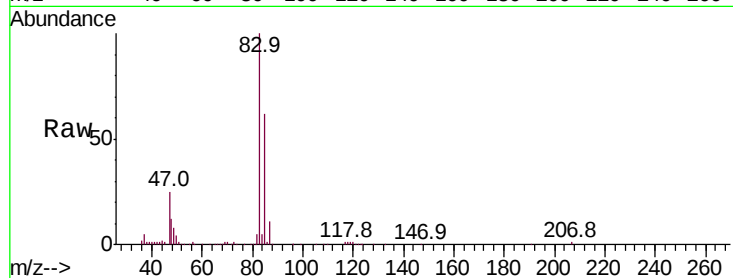
VF0920SBS01

Tot Ion: 83 Resp: 163033

Ion Ratio Lower Upper

83 100

85 62.2 54.9 82.3



#31

Cyclohexane

Concen: 21.278 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

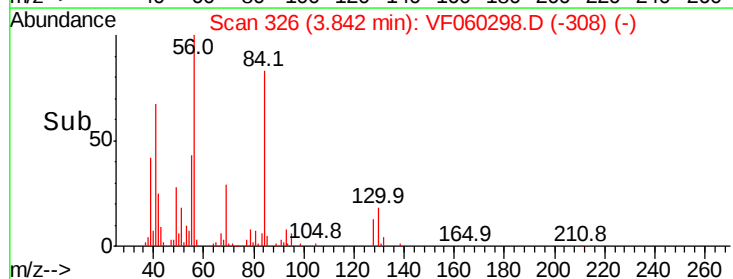
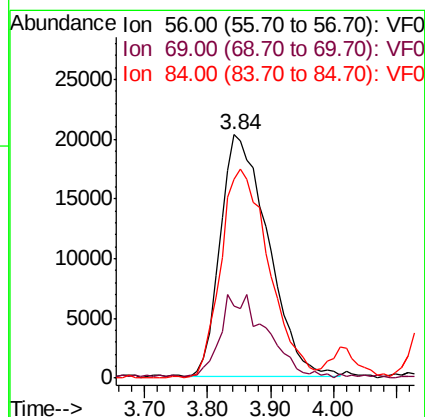
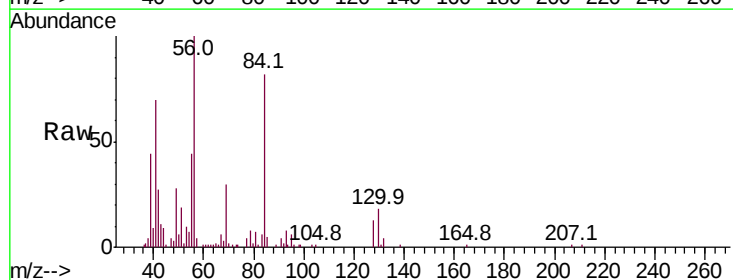
Tgt Ion: 56 Resp: 106820

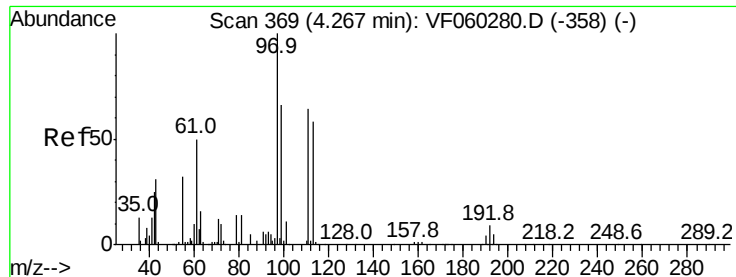
Ion Ratio Lower Upper

56 100

69 29.6 23.8 35.6

84 81.8 70.2 105.4





#32

1,1,1-Trichloroethane

Concen: 23.455 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

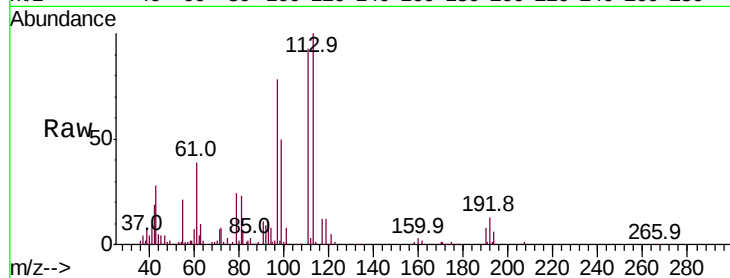
MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 97 Resp: 132717

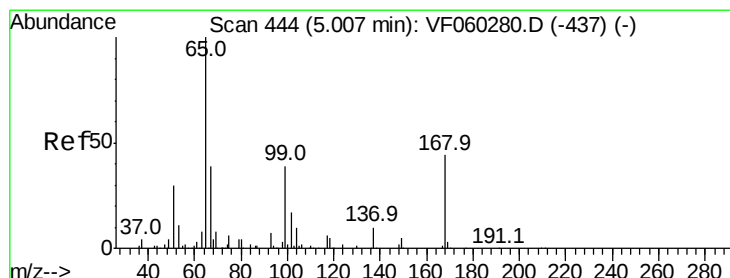
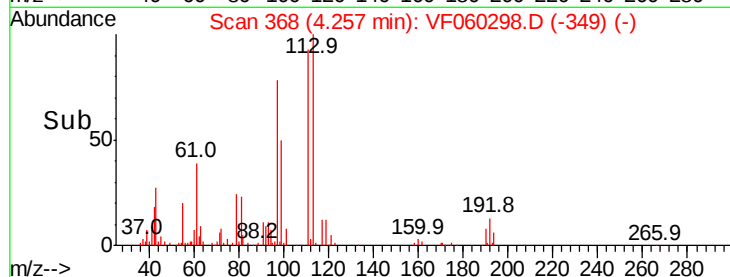
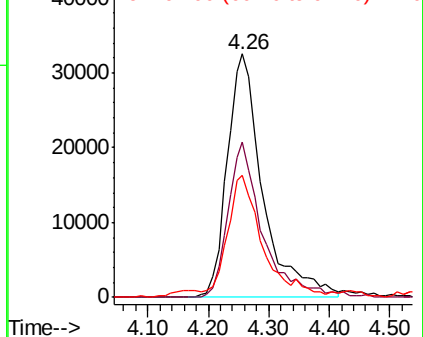
Ion	Ratio	Lower	Upper
97	100		
99	64.0	53.0	79.4
61	49.9	40.6	61.0



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 50.487 ug/l

RT: 5.00 min Scan# 443

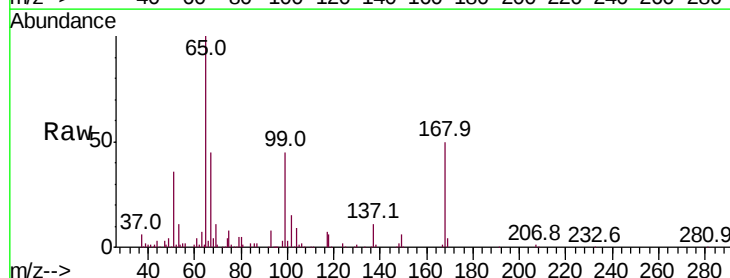
Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

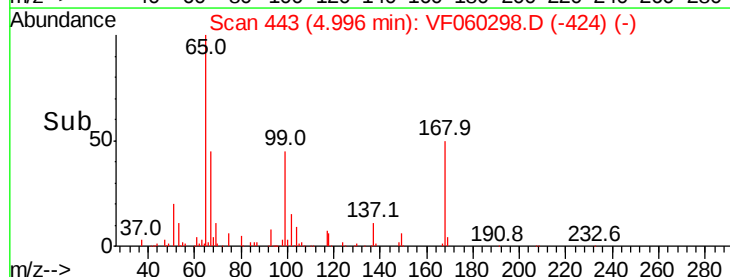
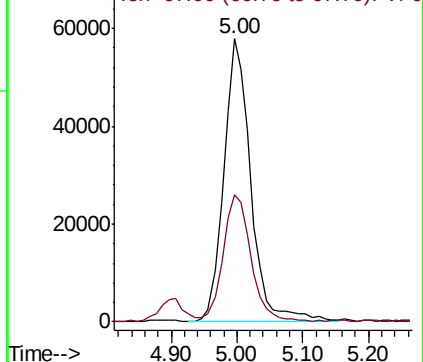
Tgt Ion: 65 Resp: 166277

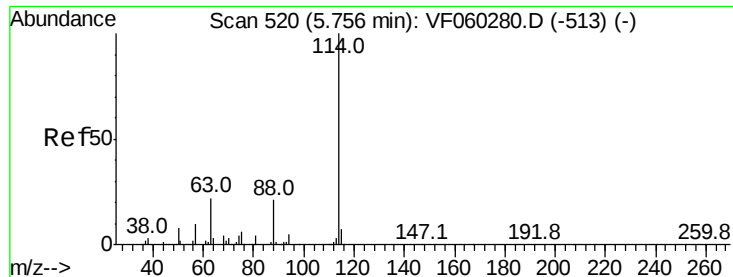
Ion	Ratio	Lower	Upper
65	100		
67	45.0	0.0	94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

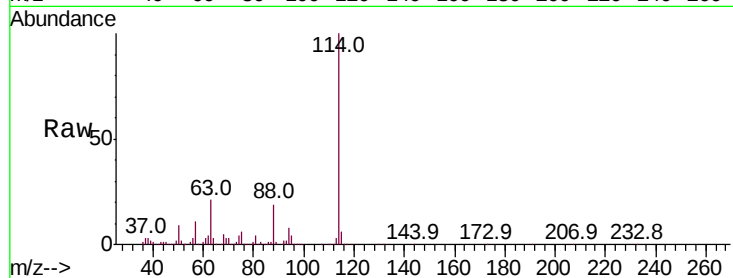
Tot Ion:114 Resp: 406391

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

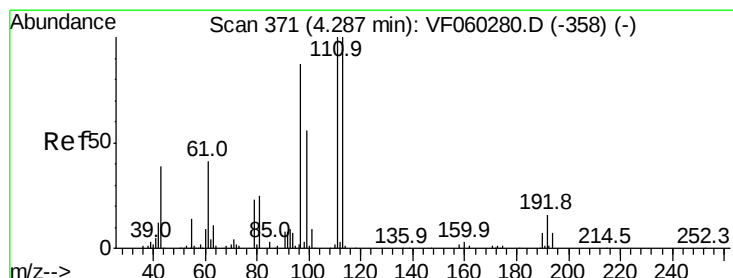
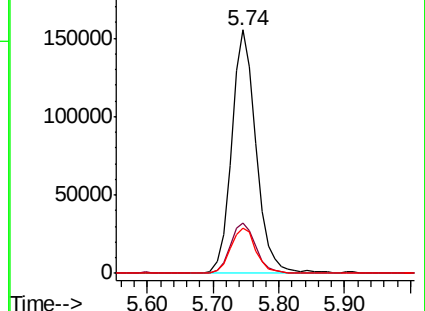
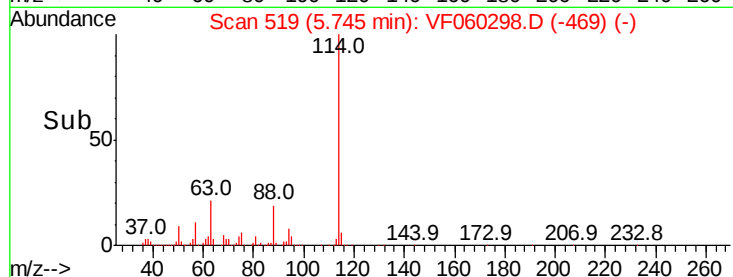
88 18.6 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 48.641 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

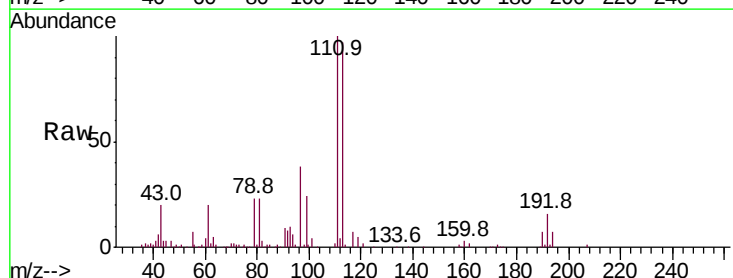
Tgt Ion:113 Resp: 176211

Ion Ratio Lower Upper

113 100

111 102.8 79.6 119.4

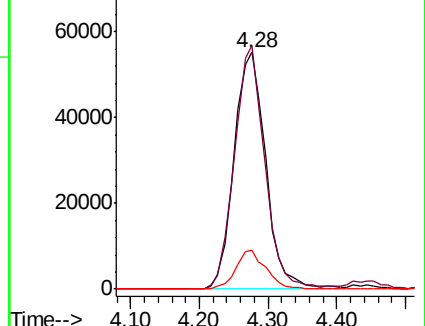
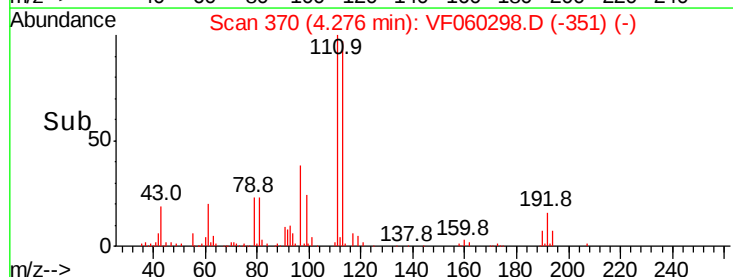
192 16.3 13.0 19.6

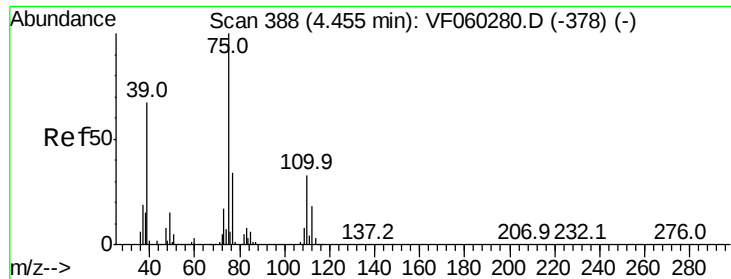


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

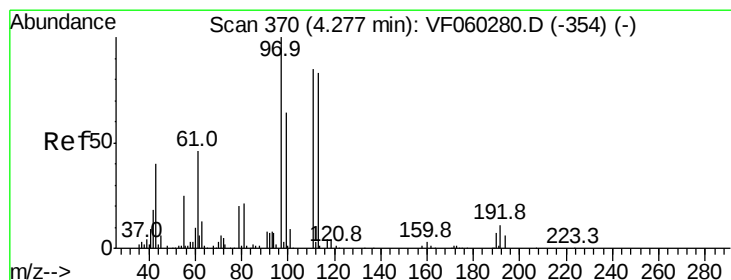
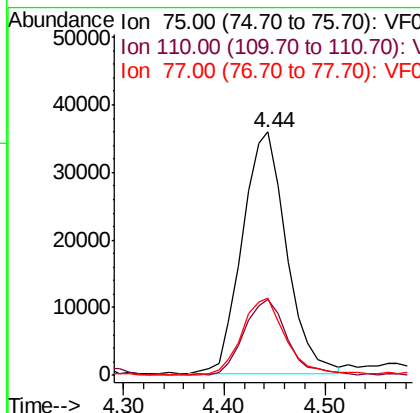
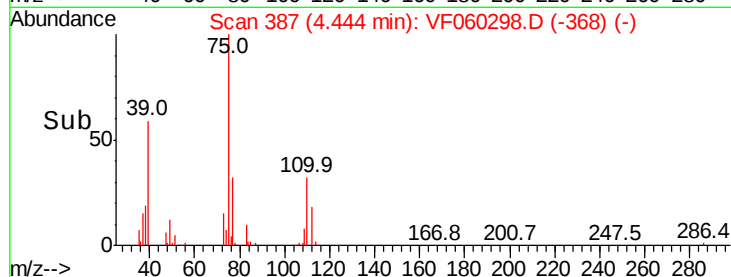
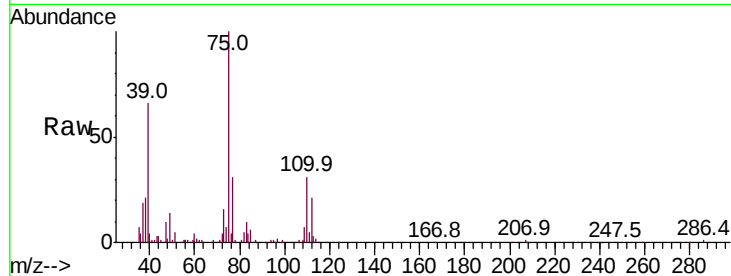




#36
 1,1-Dichloropropene
 Concen: 21.532 ug/l
 RT: 4.44 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

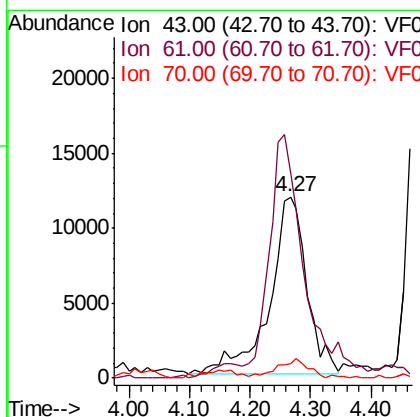
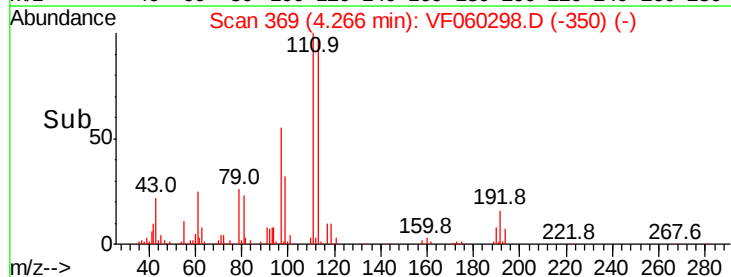
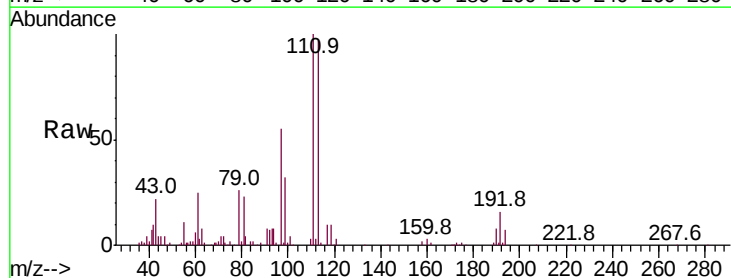
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

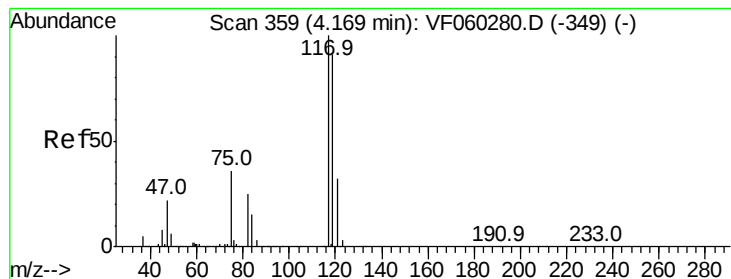
Tot Ion: 75 Resp: 109149
 Ion Ratio Lower Upper
 75 100
 110 31.0 16.4 49.2
 77 31.5 27.3 40.9



#37
 Ethyl Acetate
 Concen: 23.879 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion: 43 Resp: 51219
 Ion Ratio Lower Upper
 43 100
 61 112.9 91.1 136.7
 70 8.0 6.9 10.3





#38

Carbon Tetrachloride

Concen: 26.171 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

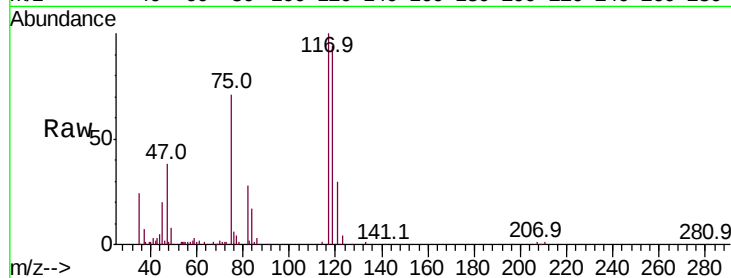
Tot Ion:117 Resp: 142497

Ion Ratio Lower Upper

117 100

119 94.3 73.0 109.6

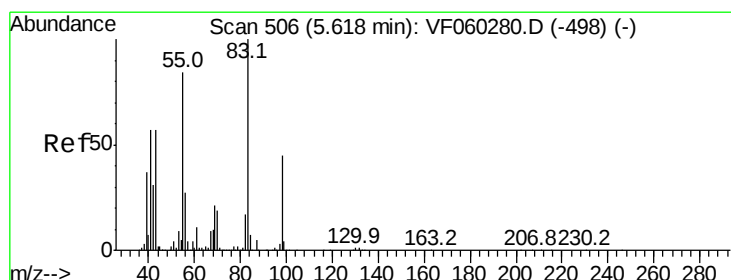
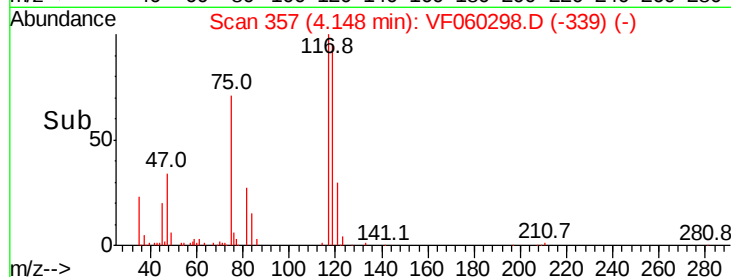
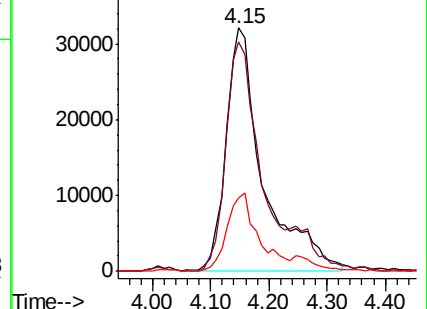
121 30.4 25.4 38.2



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: 22.739 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

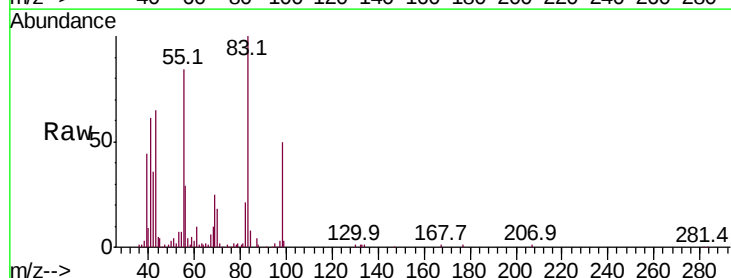
Tgt Ion: 83 Resp: 124925

Ion Ratio Lower Upper

83 100

55 84.4 67.3 100.9

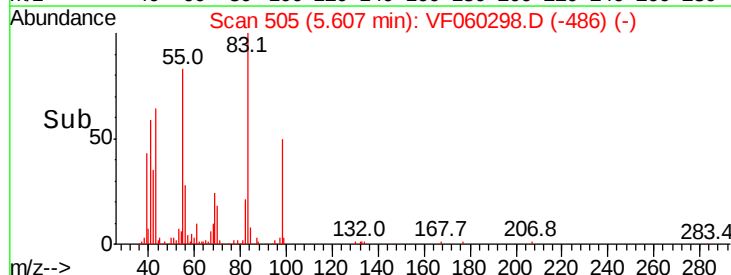
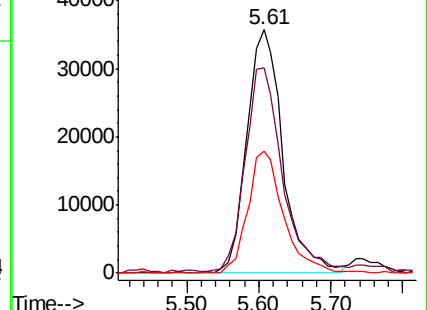
98 49.9 36.1 54.1

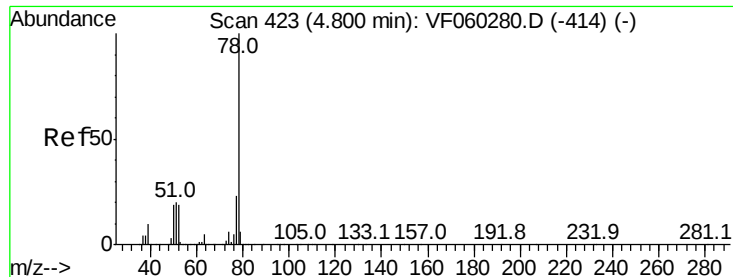


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 21.002 ug/l

RT: 4.79 min Scan# 422

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

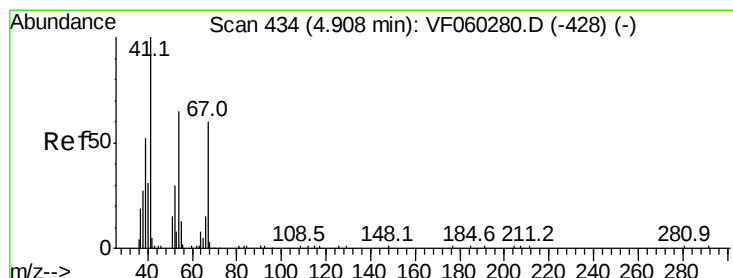
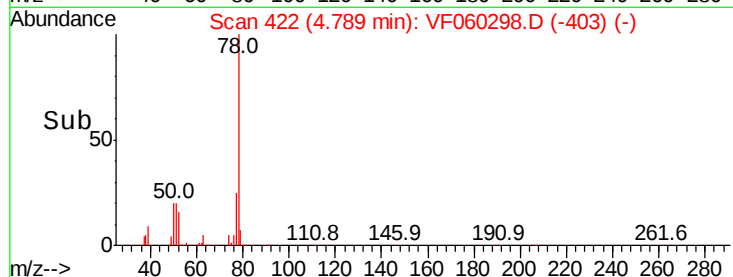
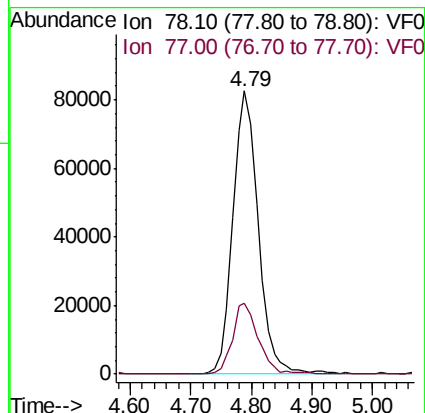
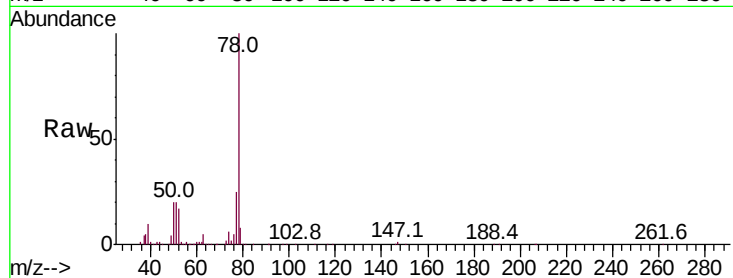
VF0920SBS01

Tot Ion: 78 Resp: 241407

Ion Ratio Lower Upper

78 100

77 24.9 18.4 27.6



#41

Methacrylonitrile

Concen: 20.551 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion: 41 Resp: 23919

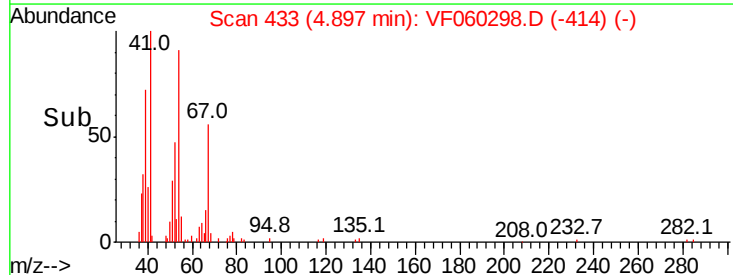
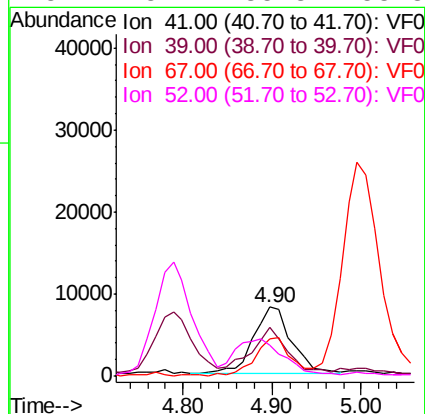
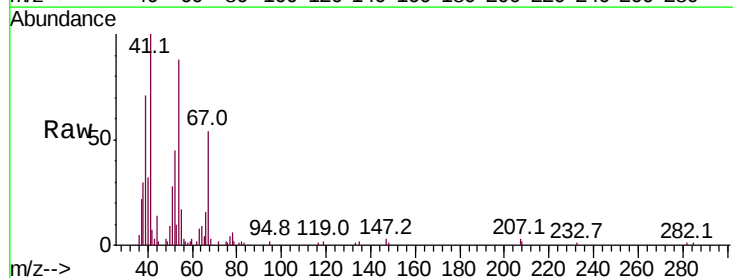
Ion Ratio Lower Upper

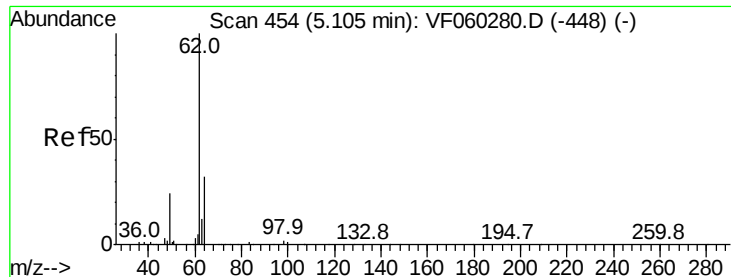
41 100

39 70.6 49.1 73.7

67 53.7 48.2 72.4

52 45.2 35.8 53.8





#42

1,2-Dichloroethane

Concen: 22.087 ug/l

RT: 5.09 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

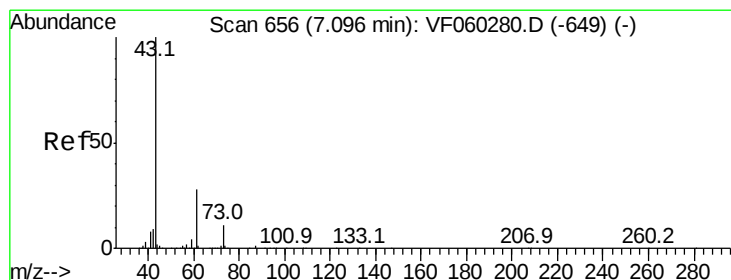
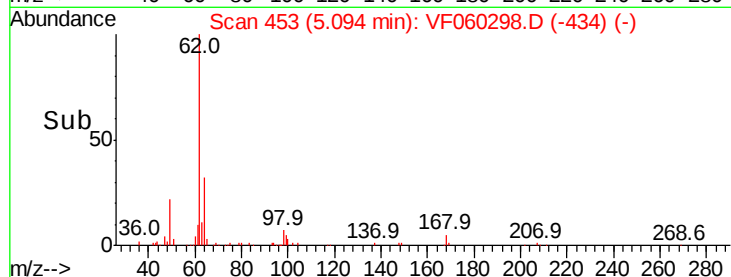
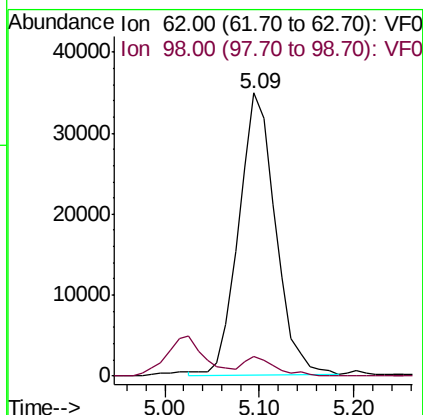
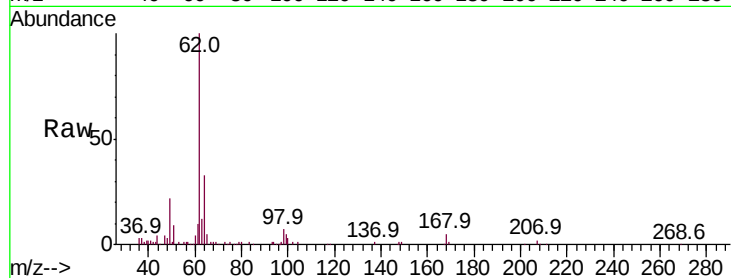
VF0920SBS01

Tot Ion: 62 Resp: 93445

Ion Ratio Lower Upper

62 100

98 7.0 0.0 14.4



#43

Isopropyl Acetate

Concen: 21.728 ug/l

RT: 7.09 min Scan# 655

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

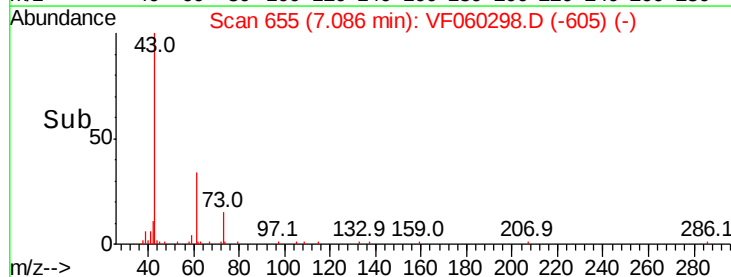
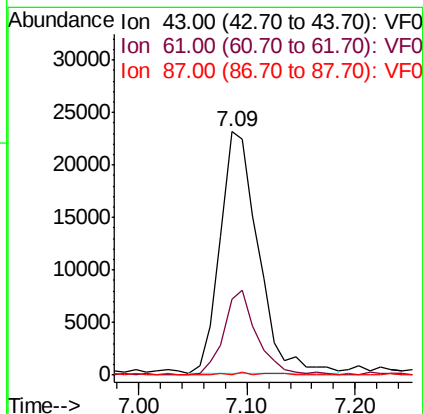
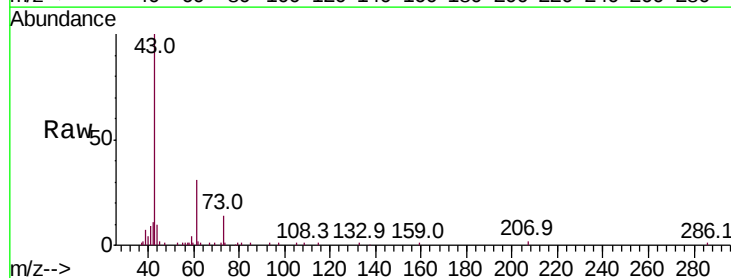
Tgt Ion: 43 Resp: 56106

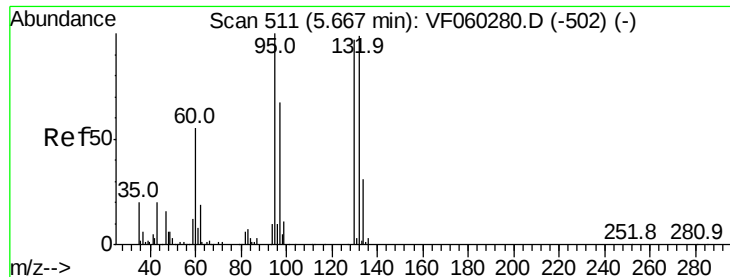
Ion Ratio Lower Upper

43 100

61 31.0 22.4 33.6

87 0.0 0.6 0.8#





#44

Trichloroethene

Concen: 22.282 ug/l

RT: 5.66 min Scan# 510

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

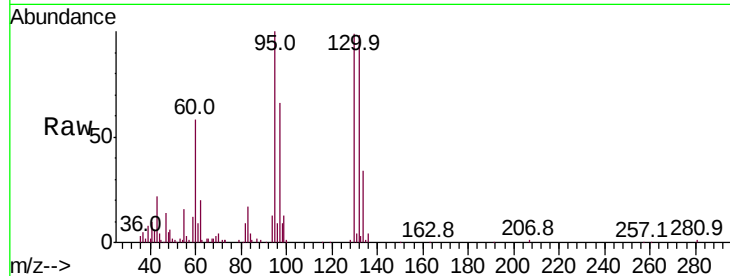
VF0920SBS01

Tot Ion:130 Resp: 76221

Ion Ratio Lower Upper

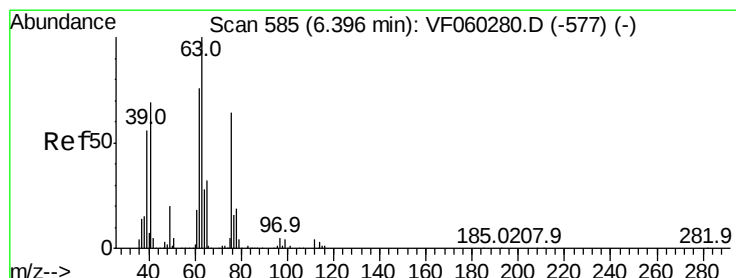
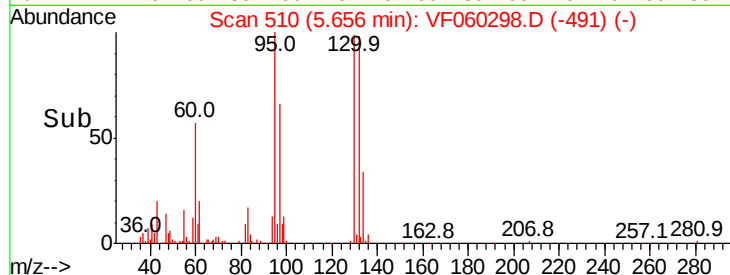
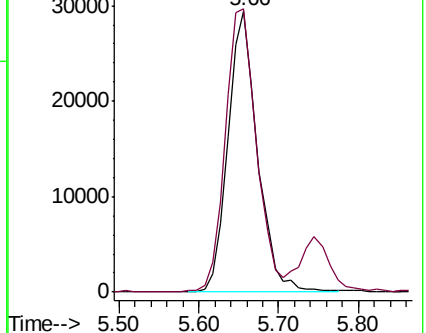
130 100

95 100.6 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#45

1,2-Dichloropropane

Concen: 20.544 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060298.D

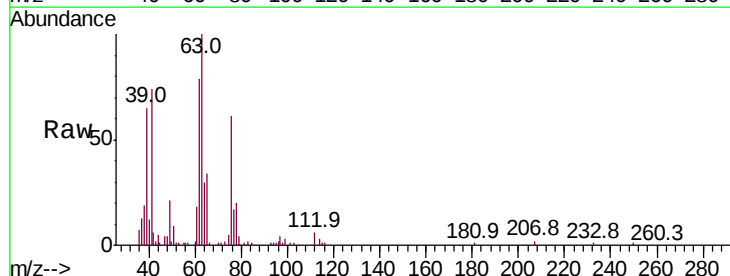
Acq: 20 Sep 2018 12:49

Tgt Ion: 63 Resp: 61115

Ion Ratio Lower Upper

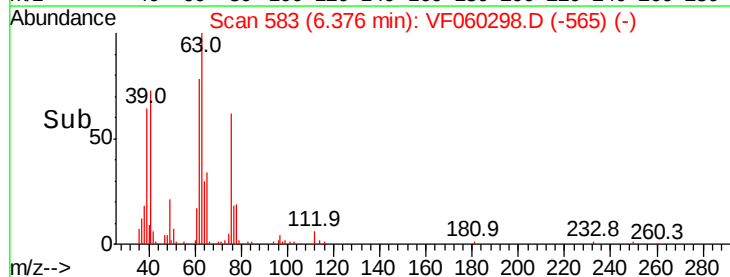
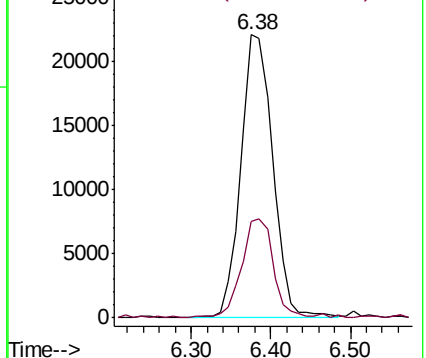
63 100

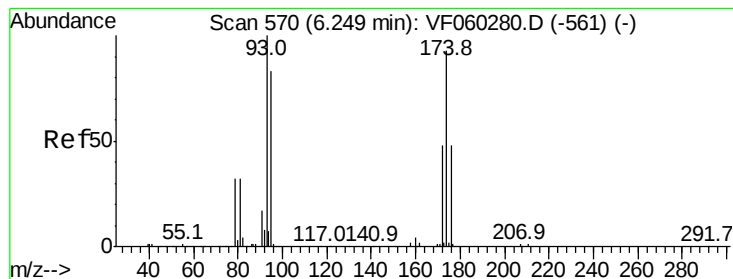
65 34.1 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 21.416 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

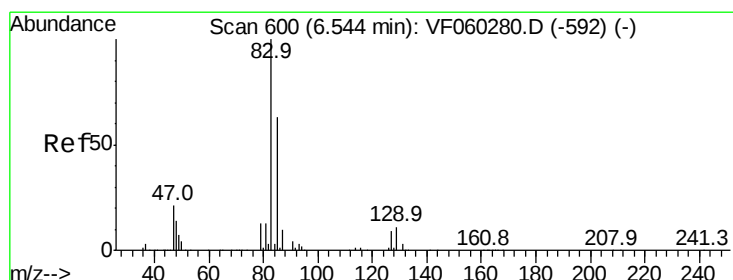
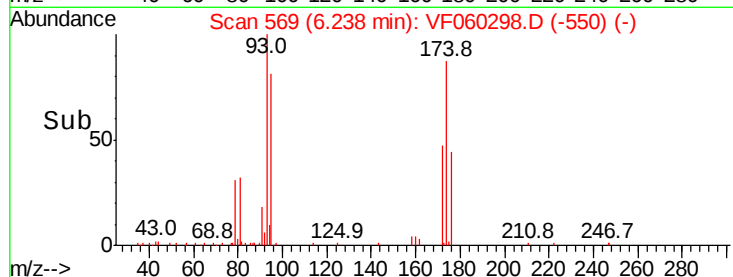
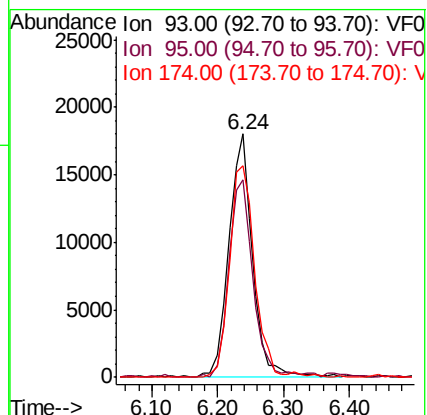
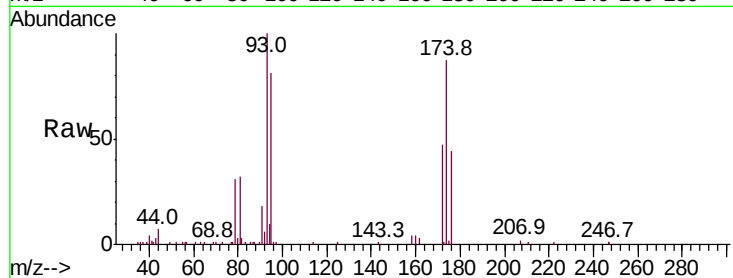
Tot Ion: 93 Resp: 45539

Ion Ratio Lower Upper

93 100

95 81.0 67.0 100.6

174 86.7 74.8 112.2



#47

Bromodichloromethane

Concen: 22.240 ug/l

RT: 6.52 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

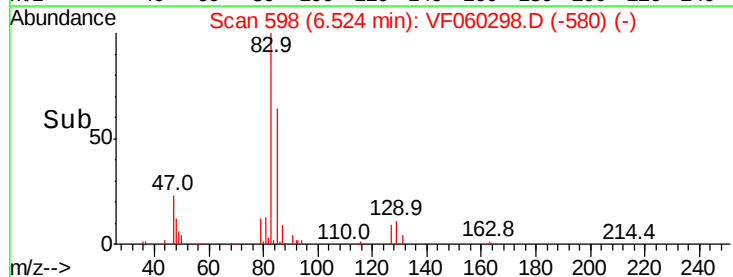
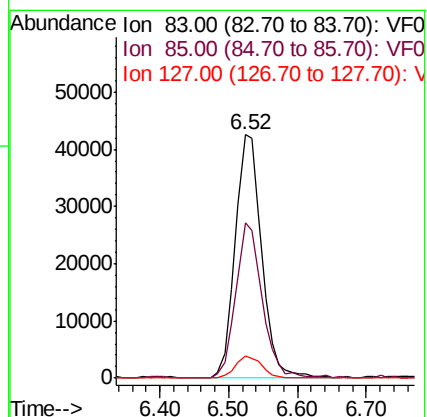
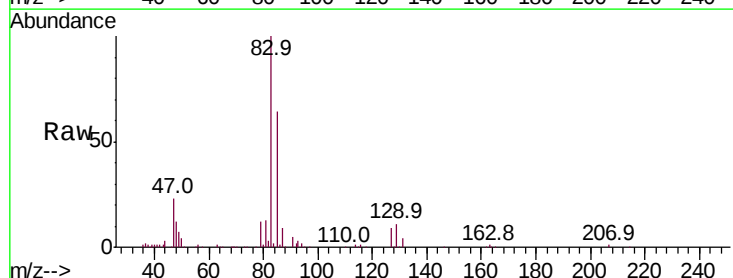
Tgt Ion: 83 Resp: 113646

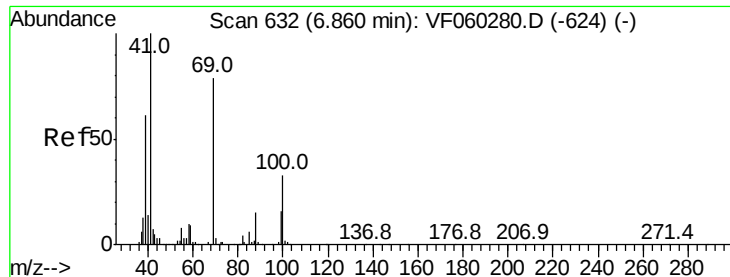
Ion Ratio Lower Upper

83 100

85 63.9 50.6 76.0

127 9.1 7.1 10.7

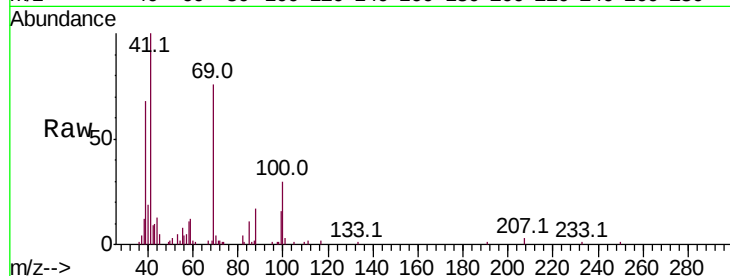




#48
Methvl methacrylate
Concen: 19.623 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
69	75.6	62.6	94.0
39	67.9	49.1	73.7

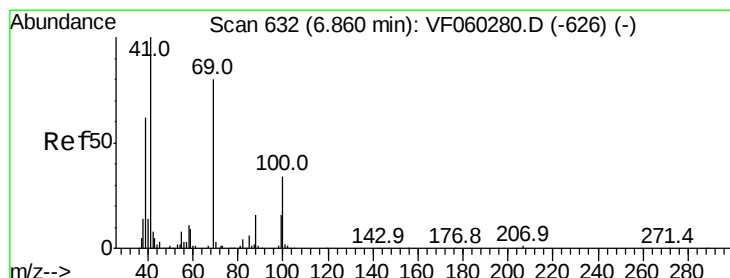
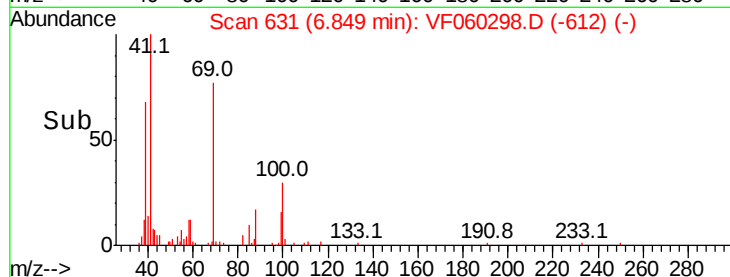
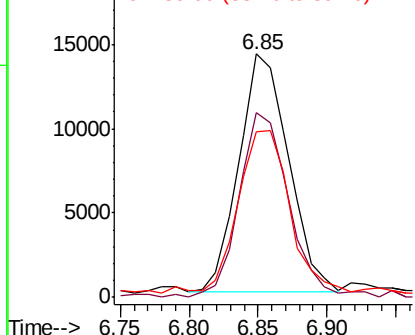


Abundance

Ion 41.00 (40.70 to 41.70): VF0

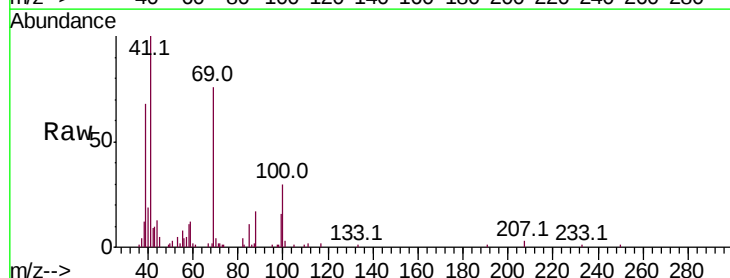
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#49
1,4-Dioxane
Concen: 480.309 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	57.8	40.2	60.4
58	66.7	56.7	85.1

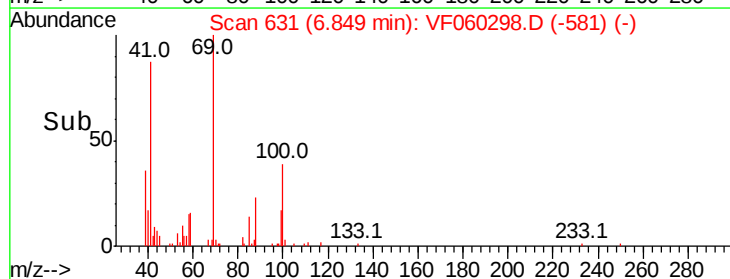
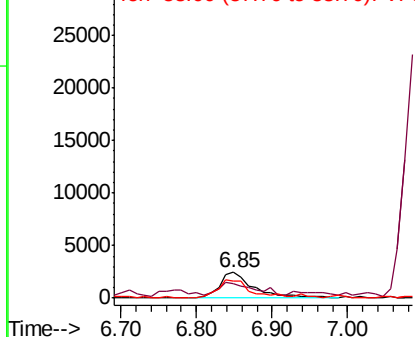


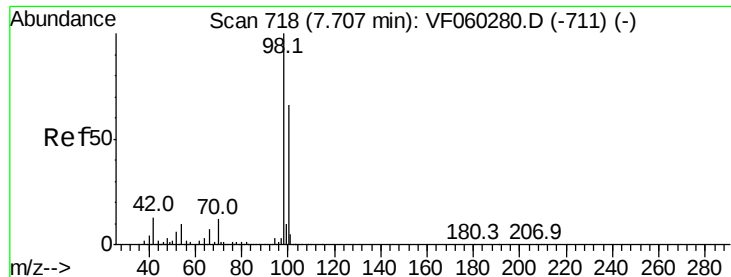
Abundance

Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 44.407 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

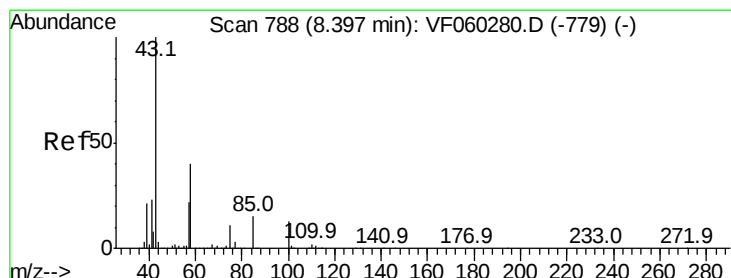
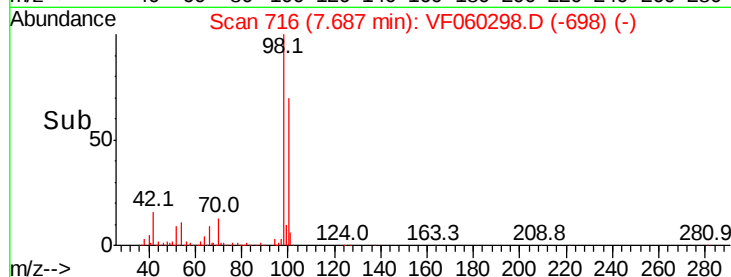
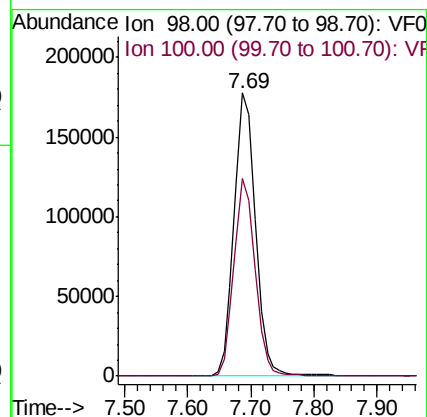
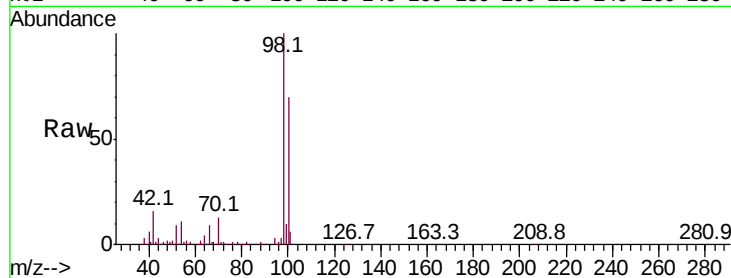
VF0920SBS01

Tot Ion: 98 Resp: 418951

Ion Ratio Lower Upper

98 100

100 69.7 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 102.087 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060298.D

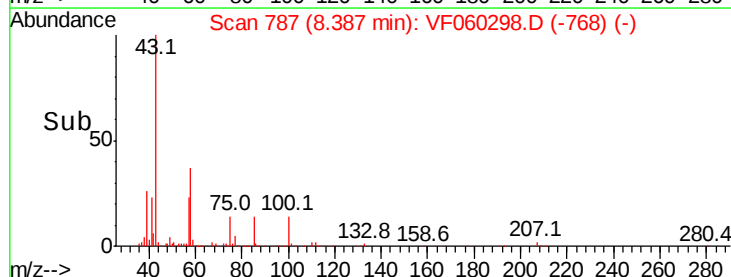
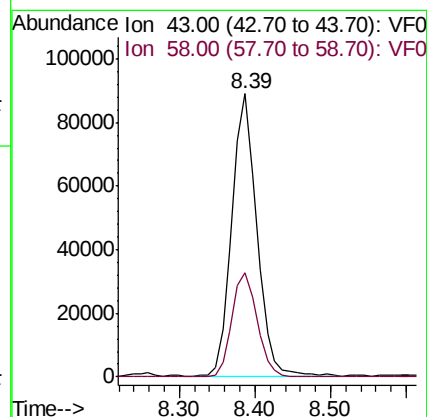
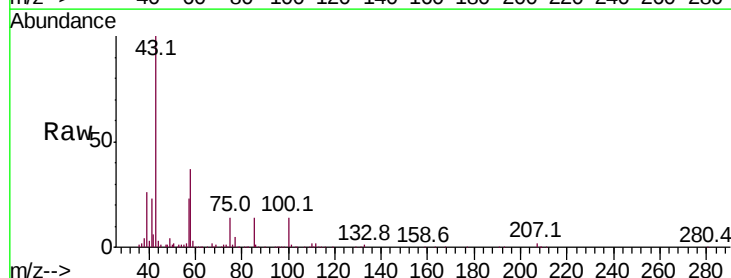
Acq: 20 Sep 2018 12:49

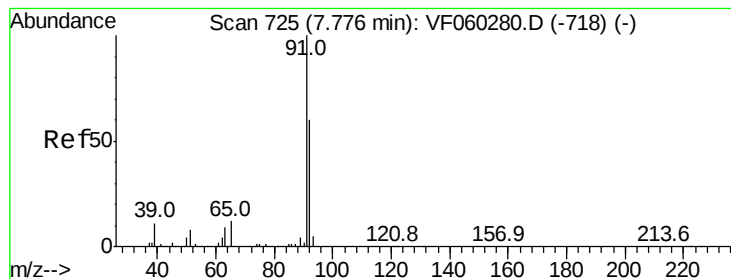
Tgt Ion: 43 Resp: 203171

Ion Ratio Lower Upper

43 100

58 36.6 31.8 47.8





#52

Toluene

Concen: 20.662 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

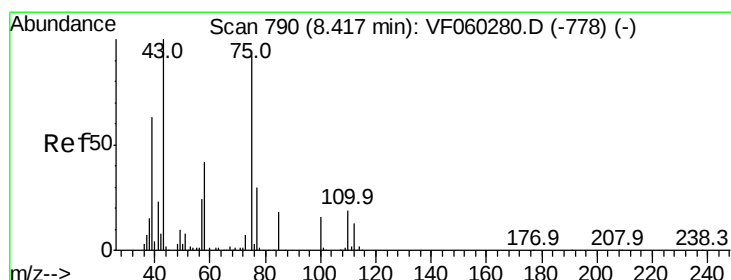
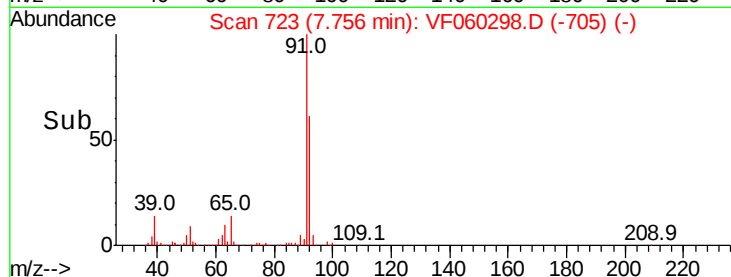
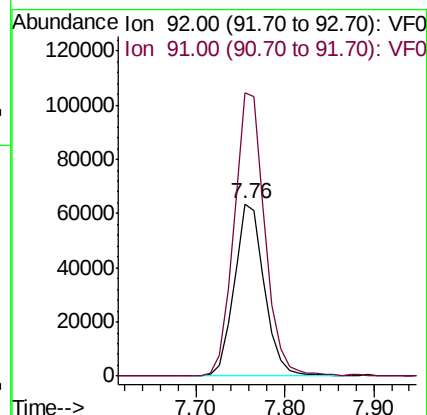
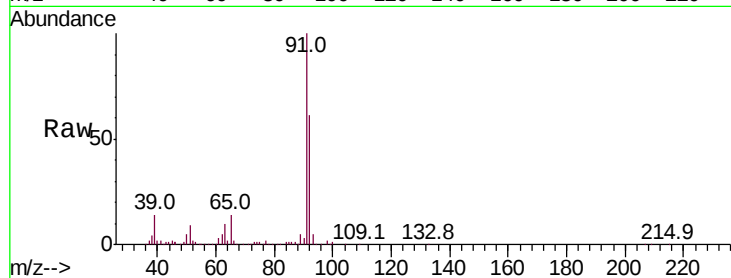
VF0920SBS01

Tot Ion: 92 Resp: 150242

Ion Ratio Lower Upper

92 100

91 164.0 133.3 199.9



#53

t-1,3-Dichloropropene

Concen: 20.876 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060298.D

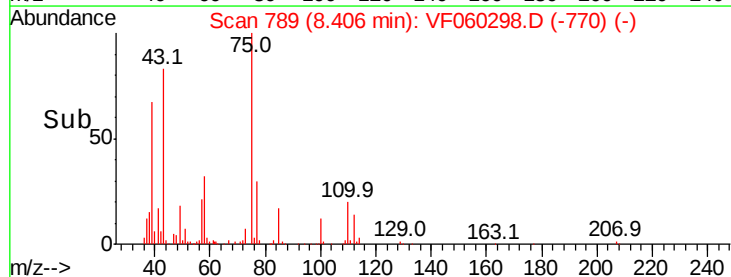
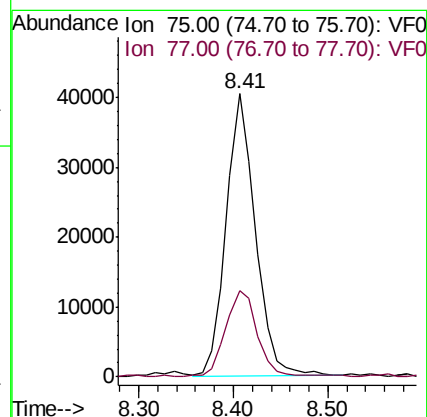
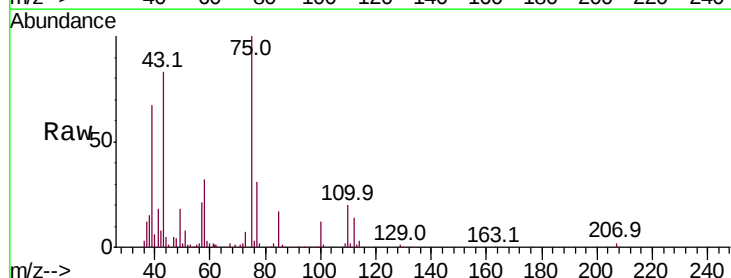
Acq: 20 Sep 2018 12:49

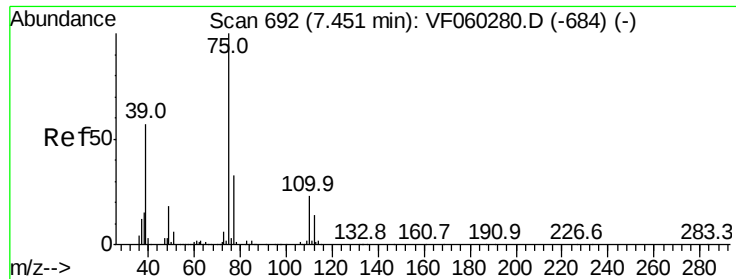
Tgt Ion: 75 Resp: 86048

Ion Ratio Lower Upper

75 100

77 30.7 25.9 38.9





#54

cis-1,3-Dichloropropene

Concen: 20.922 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

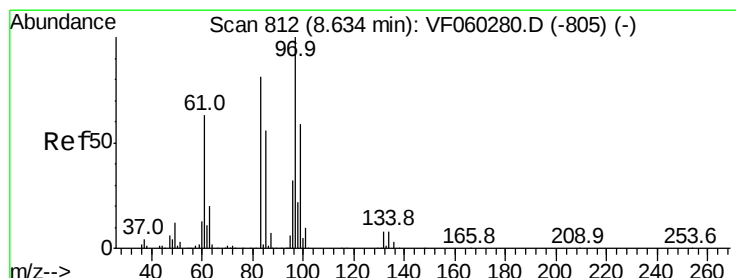
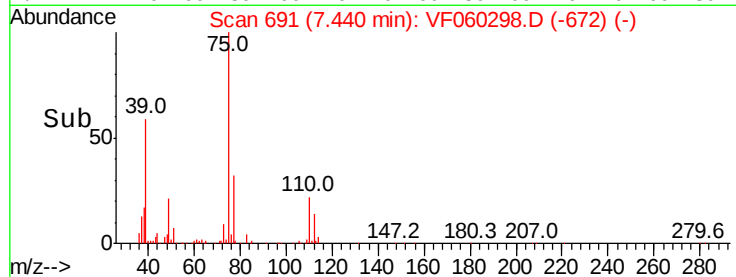
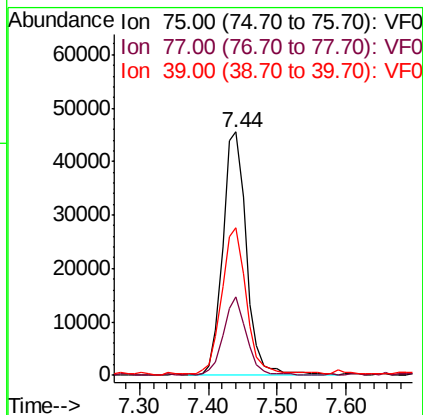
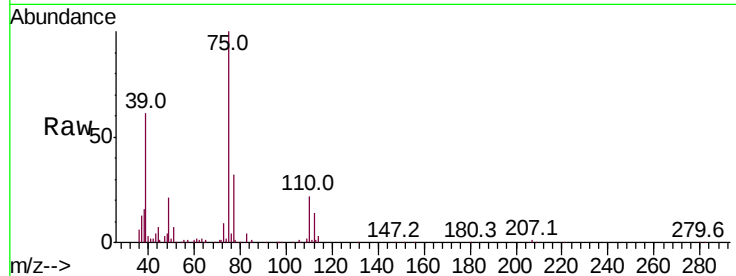
Tot Ion: 75 Resp: 108638

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5

39 60.8 46.1 69.1



#55

1,1,2-Trichloroethane

Concen: 21.175 ug/l

RT: 8.61 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Tgt Ion: 97 Resp: 46732

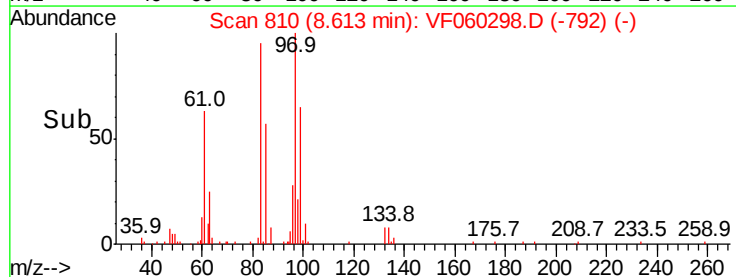
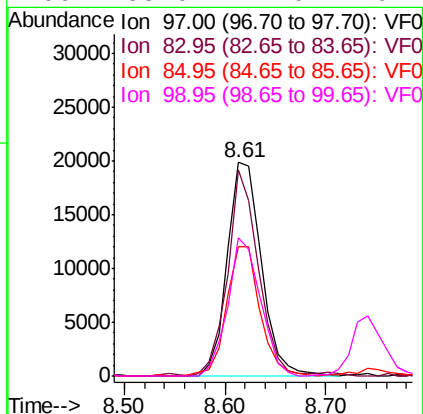
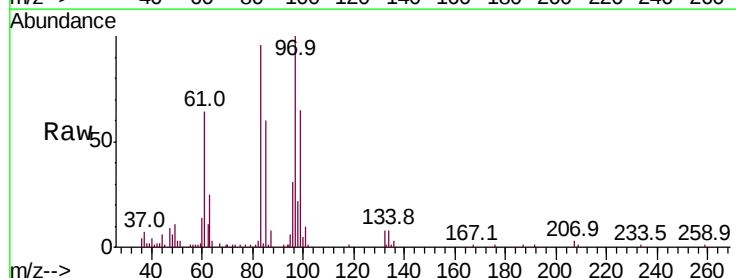
Ion Ratio Lower Upper

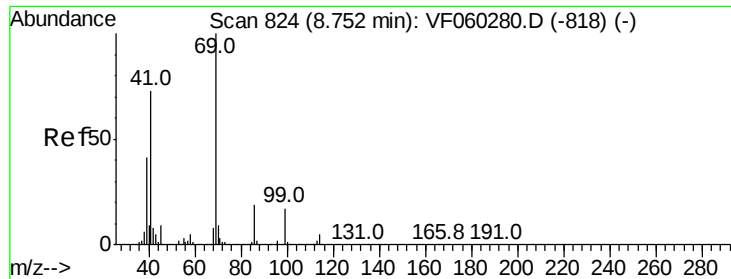
97 100

83 96.5 65.3 97.9

85 60.4 44.7 67.1

99 65.0 47.0 70.4





#56

Ethyl methacrylate

Concen: 20.408 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

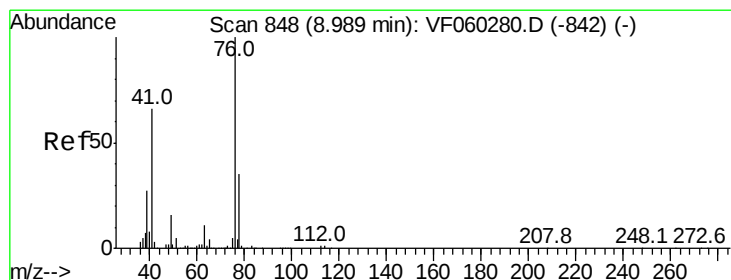
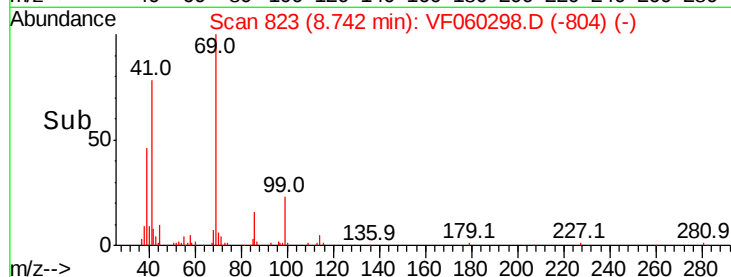
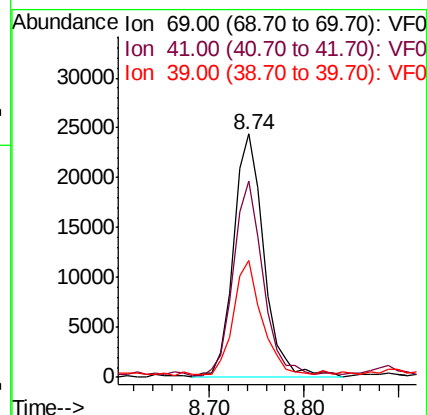
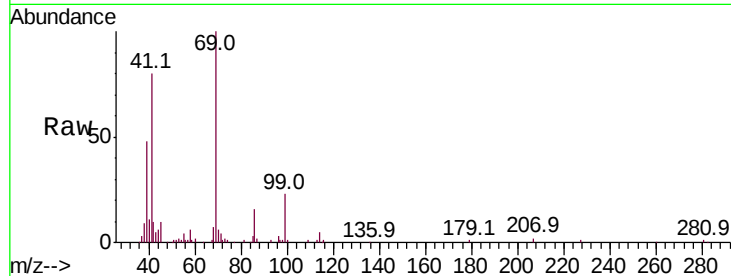
Tot Ion: 69 Resp: 54396

Ion Ratio Lower Upper

69 100

41 80.5 59.4 89.2

39 48.1 33.5 50.3



#57

1,3-Dichloropropane

Concen: 20.419 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060298.D

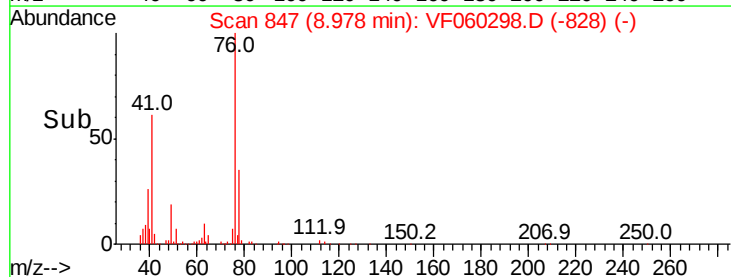
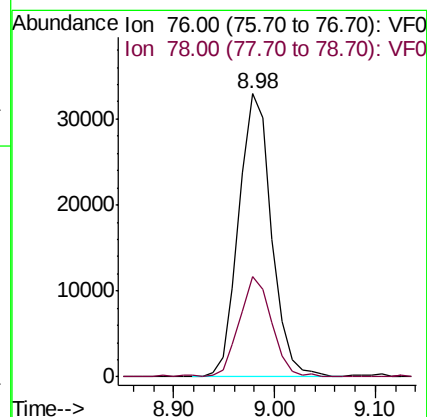
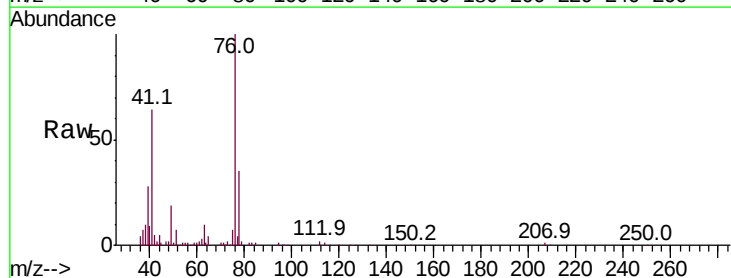
Acq: 20 Sep 2018 12:49

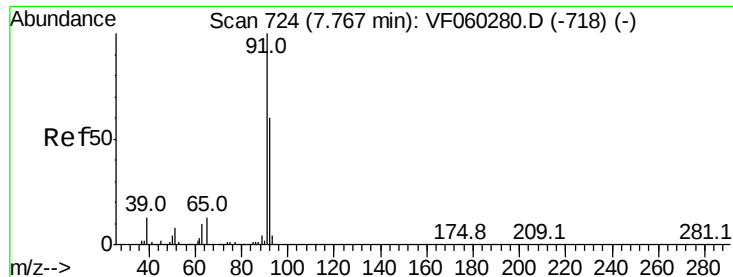
Tgt Ion: 76 Resp: 74615

Ion Ratio Lower Upper

76 100

78 35.5 28.2 42.2





#58

2-Chloroethyl Vinyl ether

Concen: 105.562 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

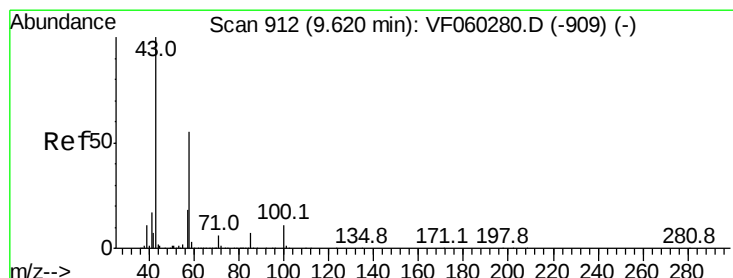
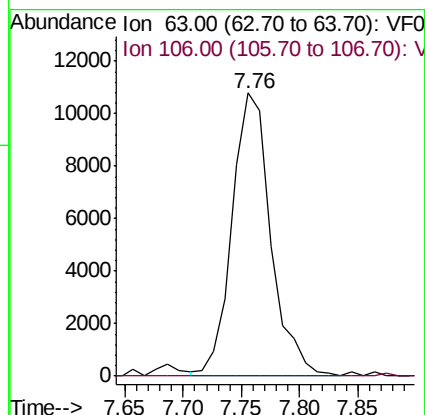
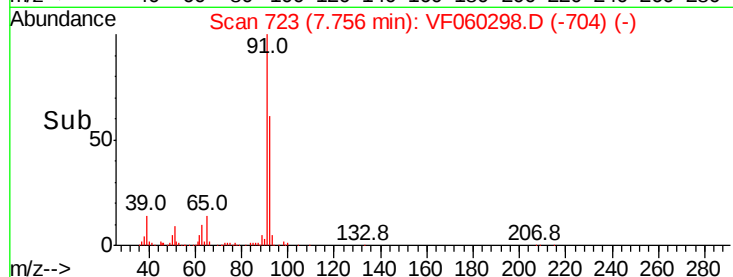
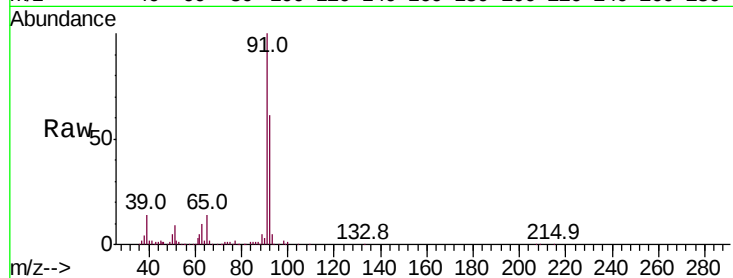
VF0920SBS01

Tot Ion: 63 Resp: 24874

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



#59

2-Hexanone

Concen: 113.029 ug/l

RT: 9.61 min Scan# 911

Delta R.T. -0.01 min

Lab File: VF060298.D

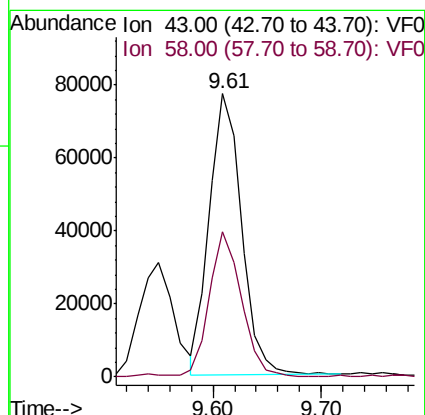
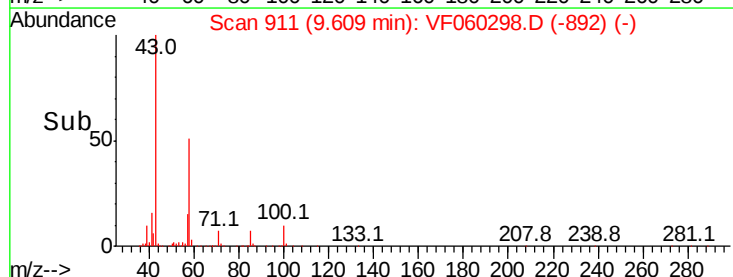
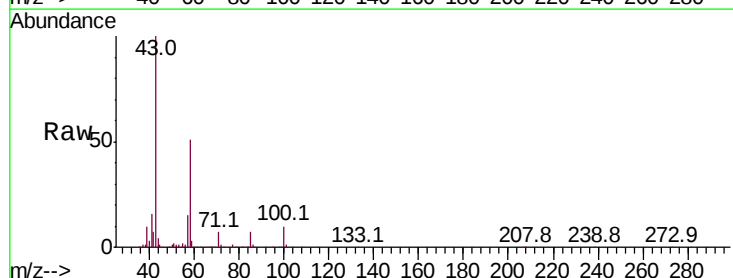
Acq: 20 Sep 2018 12:49

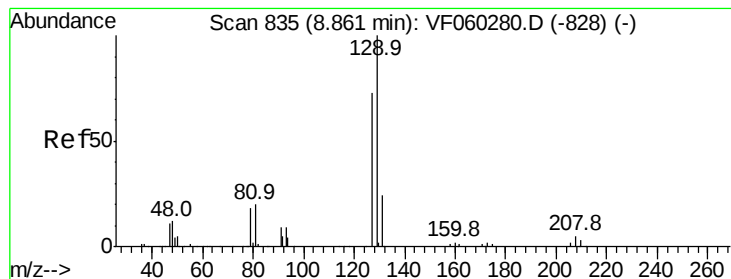
Tgt Ion: 43 Resp: 160165

Ion Ratio Lower Upper

43 100

58 51.3 25.9 77.6





#60

Dibromochloromethane

Concen: 21.542 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

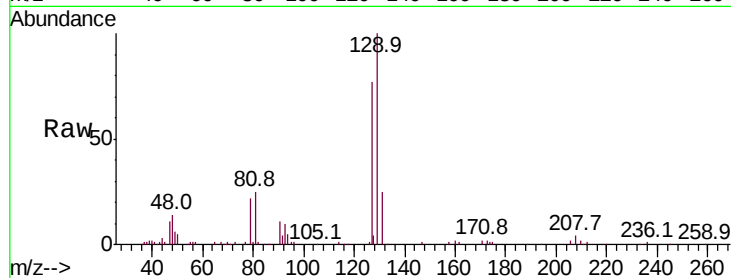
VF0920SBS01

Tot Ion:129 Resp: 70860

Ion Ratio Lower Upper

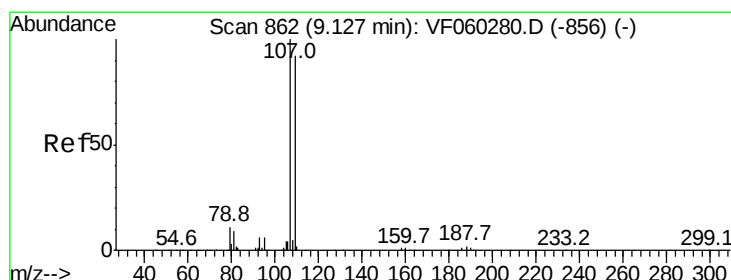
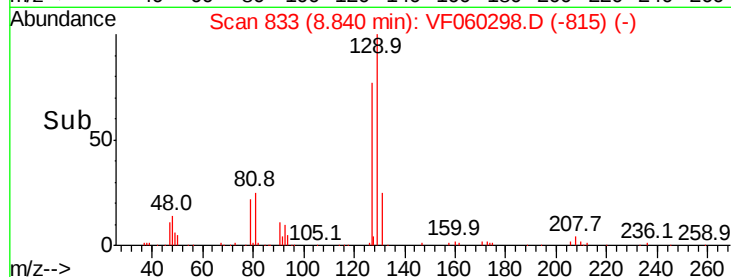
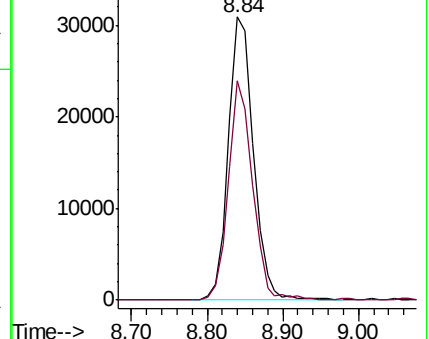
129 100

127 81.1 36.6 109.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 21.321 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060298.D

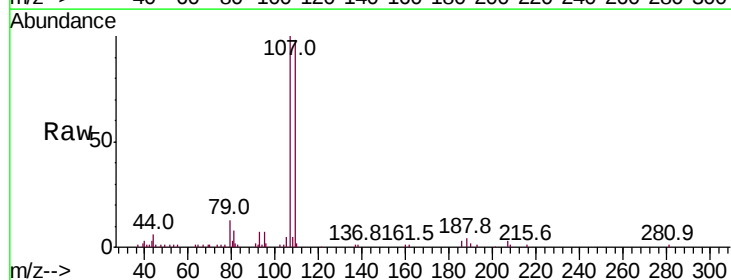
Acq: 20 Sep 2018 12:49

Tgt Ion:107 Resp: 52399

Ion Ratio Lower Upper

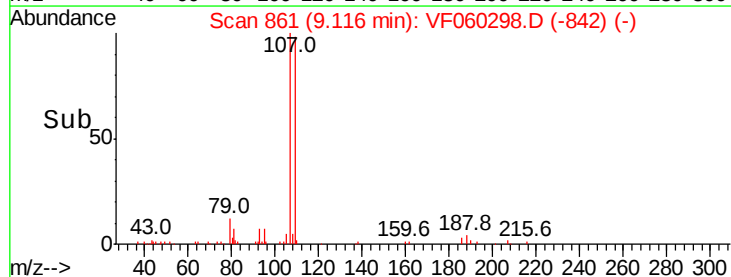
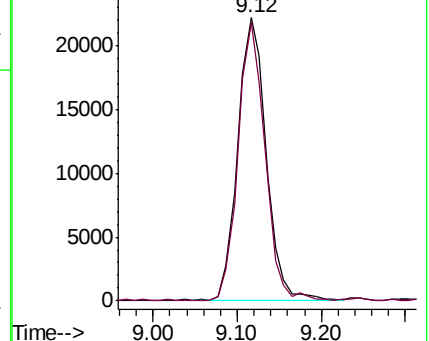
107 100

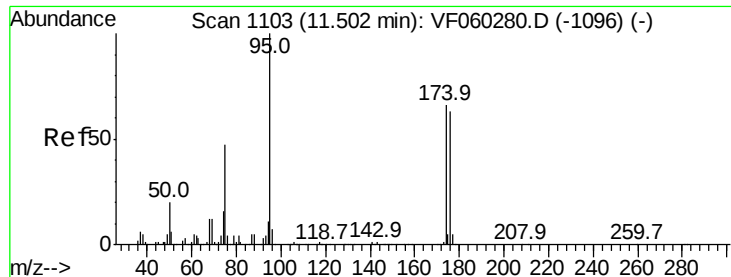
109 98.1 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 46.020 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

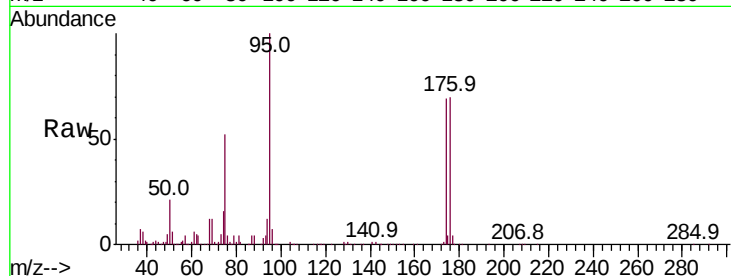
Tot Ion: 95 Resp: 187675

Ion Ratio Lower Upper

95 100

174 68.9 0.0 131.2

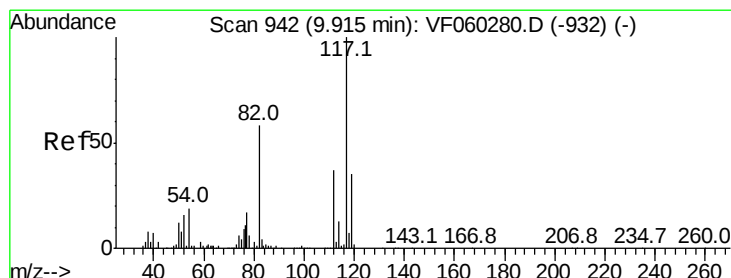
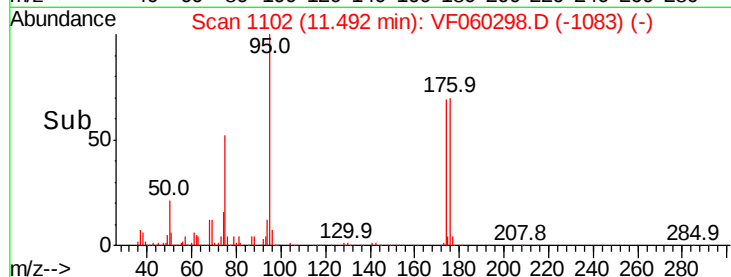
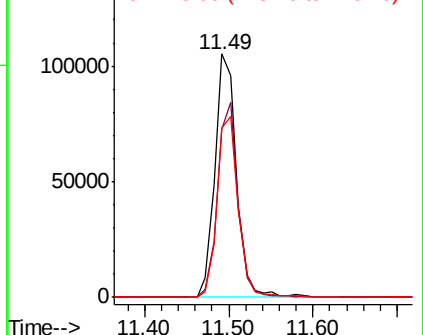
176 69.7 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 940

Delta R.T. -0.02 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

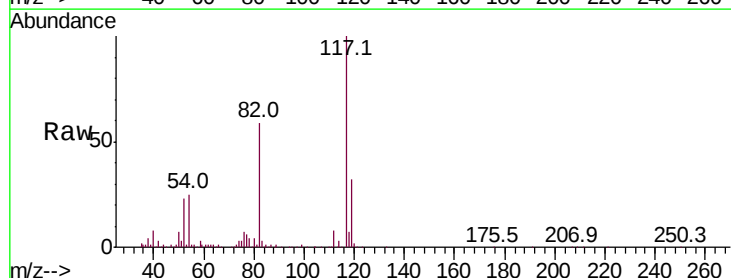
Tgt Ion: 117 Resp: 353003

Ion Ratio Lower Upper

117 100

82 58.6 46.2 69.2

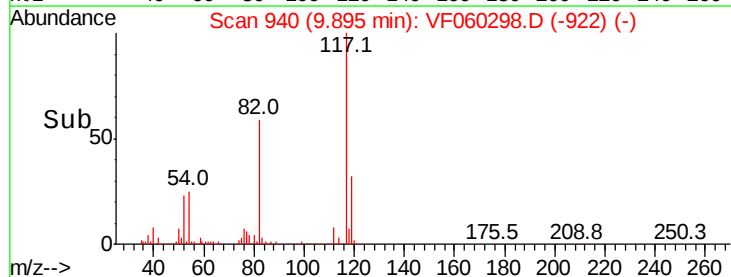
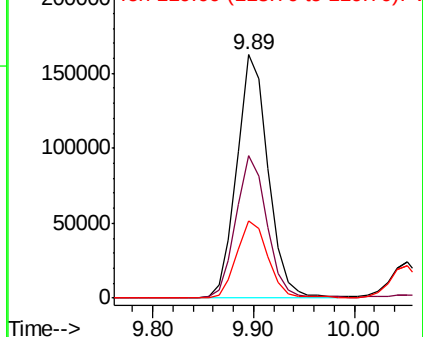
119 31.9 27.8 41.6

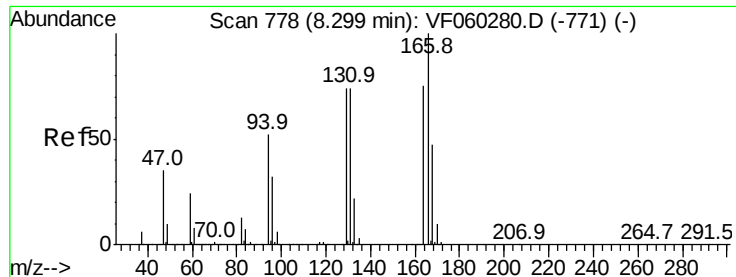


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 21.959 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion:164 Resp: 70271

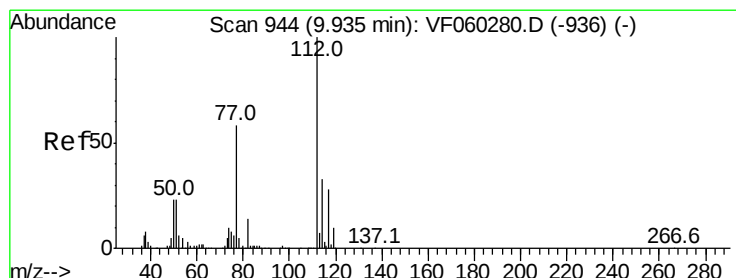
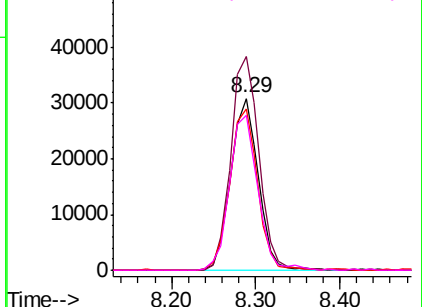
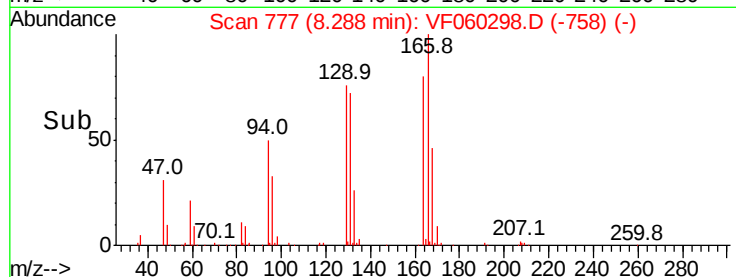
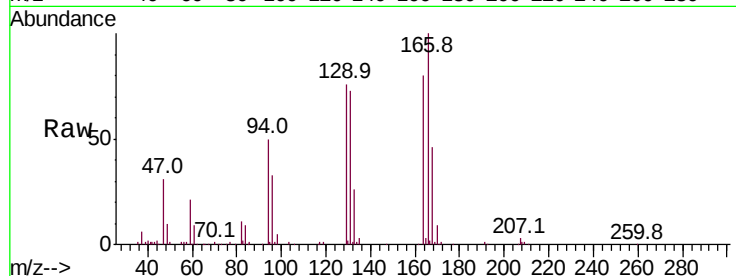
Ion Ratio Lower Upper

164 100

166 124.5 106.8 160.2

129 94.0 78.8 118.2

131 90.6 78.7 118.1



#65

Chlorobenzene

Concen: 21.572 ug/l

RT: 9.92 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060298.D

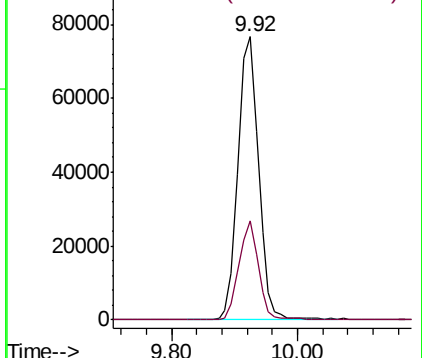
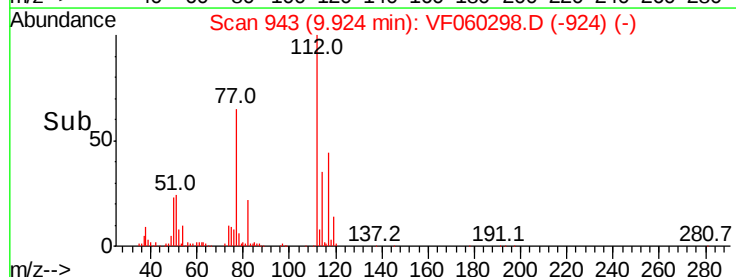
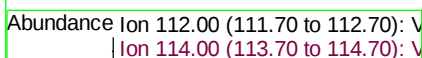
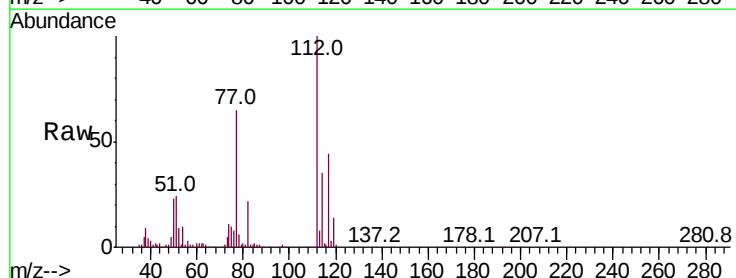
Acq: 20 Sep 2018 12:49

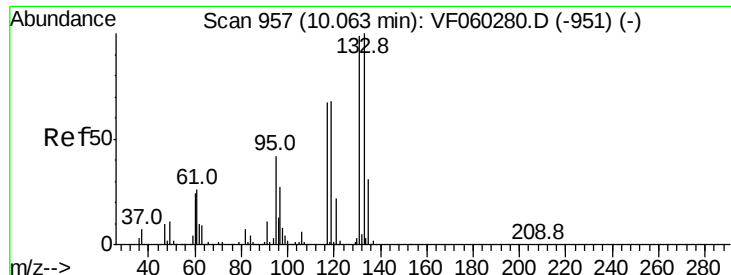
Tgt Ion:112 Resp: 172585

Ion Ratio Lower Upper

112 100

114 35.2 26.6 40.0





#66

1,1,1,2-Tetrachloroethane

Concen: 22.091 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBSD01

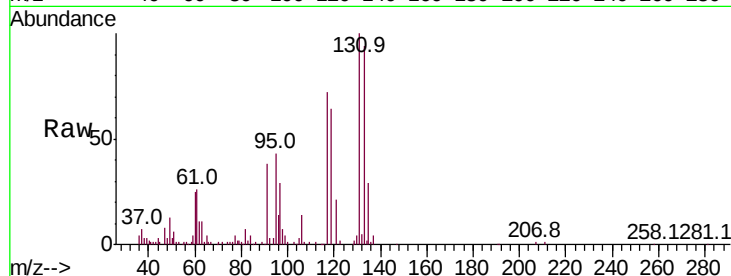
Tot Ion:131 Resp: 73347

Ion Ratio Lower Upper

131 100

133 94.0 50.4 151.2

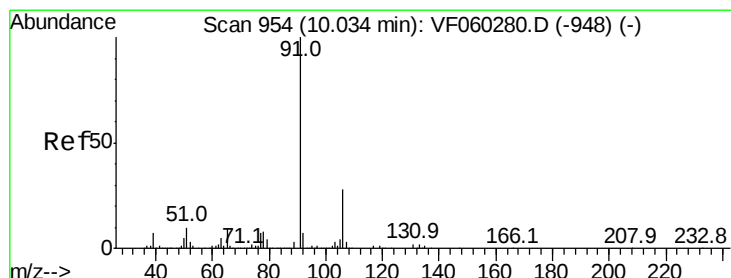
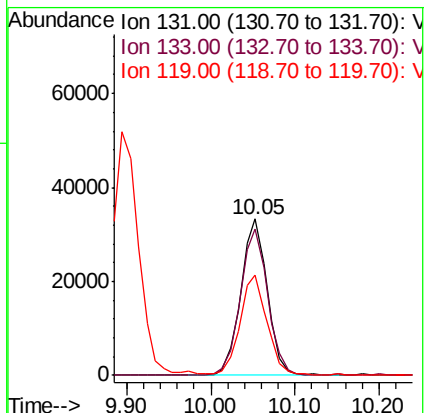
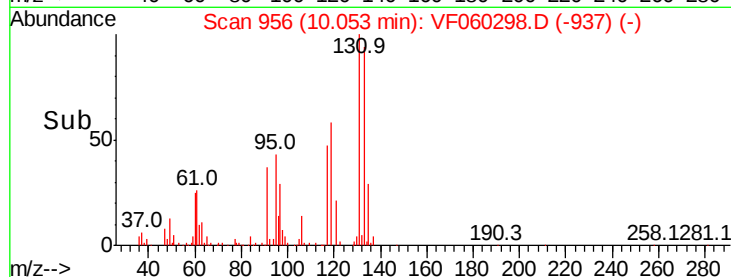
119 64.1 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 21.949 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060298.D

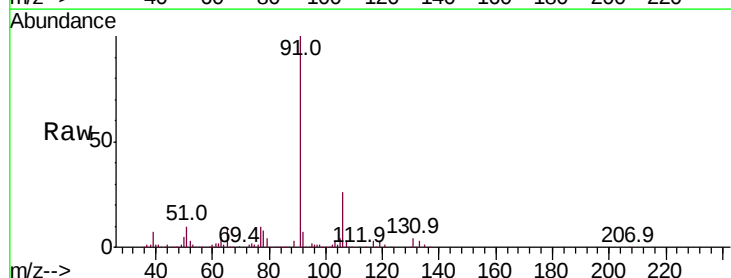
Acq: 20 Sep 2018 12:49

Tgt Ion: 91 Resp: 324680

Ion Ratio Lower Upper

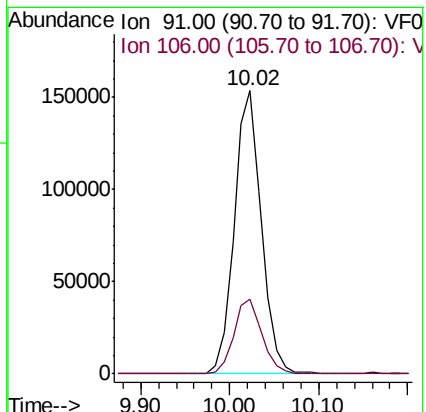
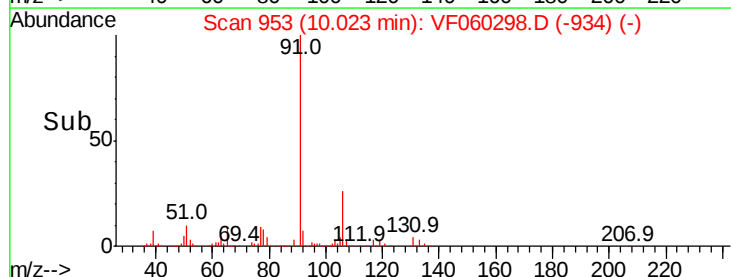
91 100

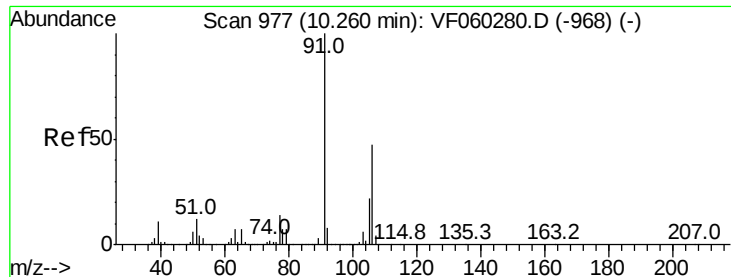
106 26.3 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

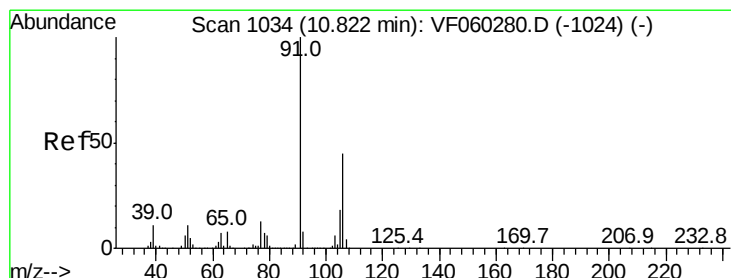
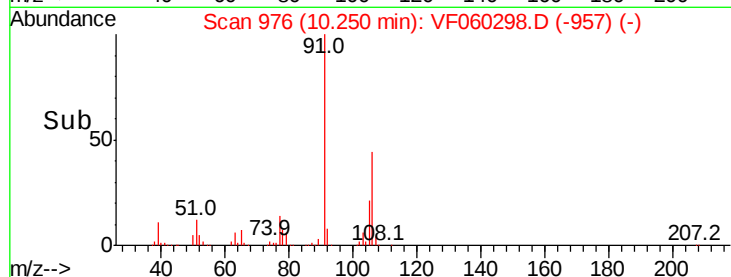
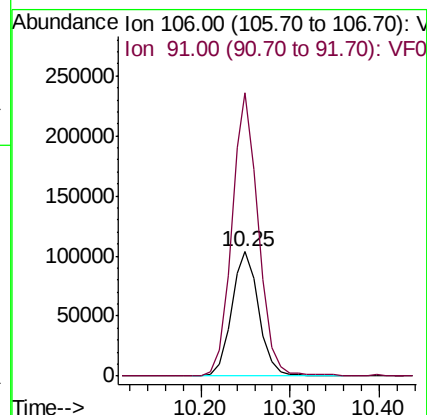
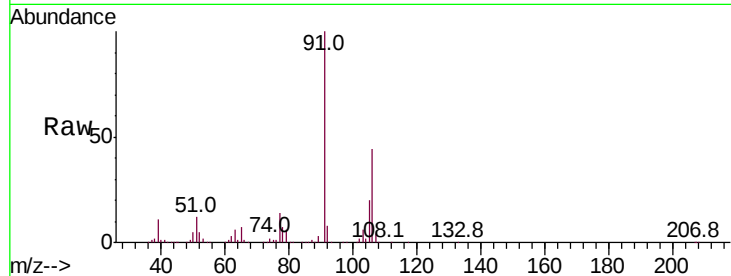




#68
m/p-Xylenes
Concen: 43.417 ug/l
RT: 10.25 min Scan# 976
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

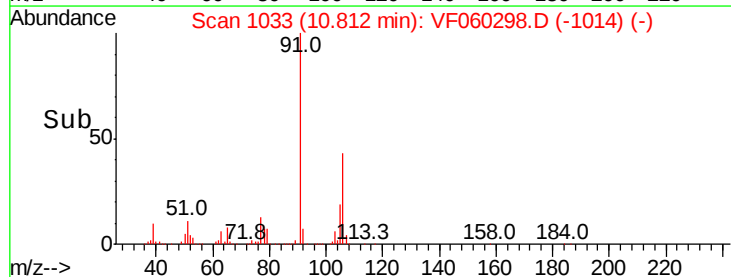
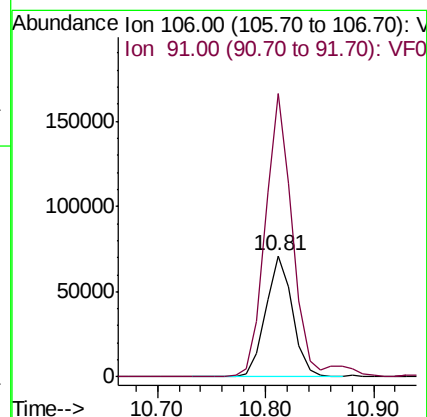
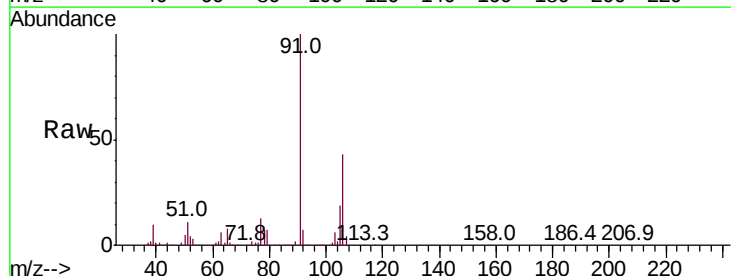
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

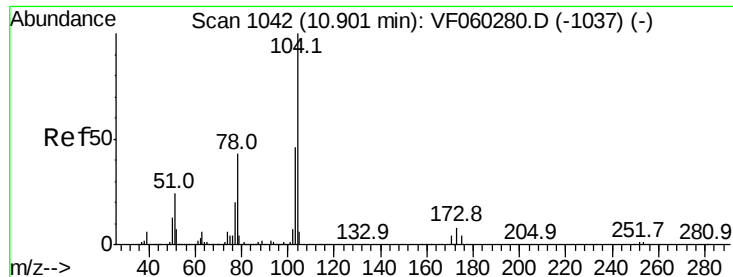
Tot Ion:106 Resp: 221890
Ion Ratio Lower Upper
106 100
91 227.5 172.3 258.5



#69
o-Xylene
Concen: 21.630 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion:106 Resp: 123992
Ion Ratio Lower Upper
106 100
91 234.1 110.9 332.6

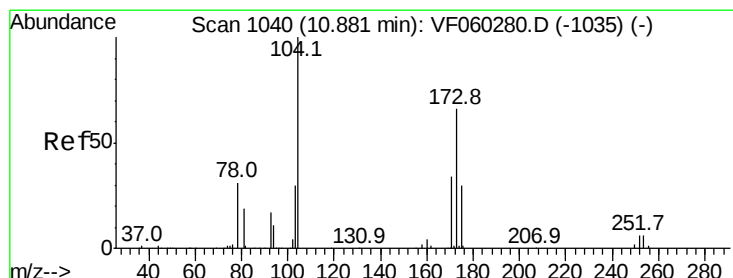
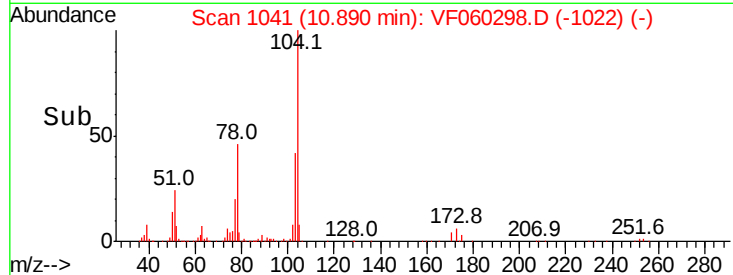
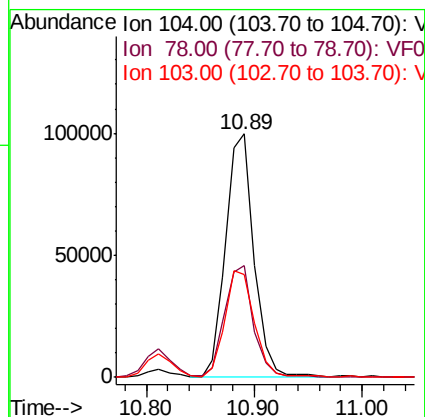
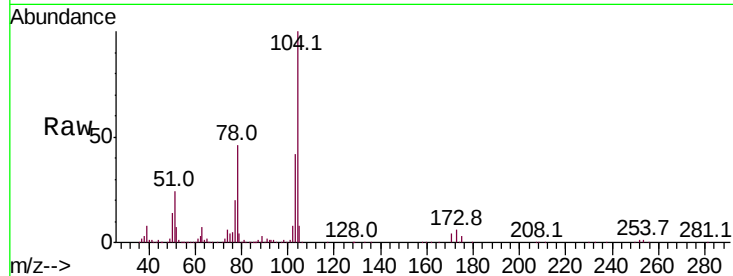




#70
 Stvrene
 Concen: 22.491 ug/l
 RT: 10.89 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

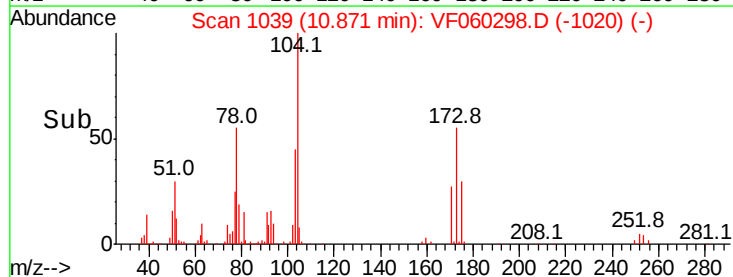
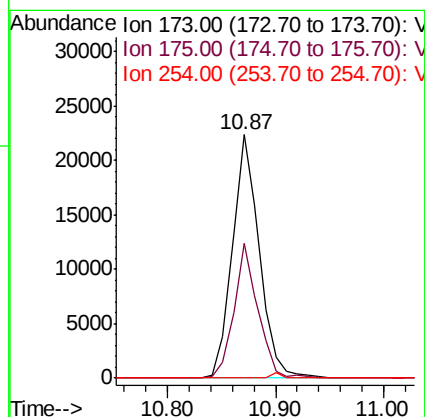
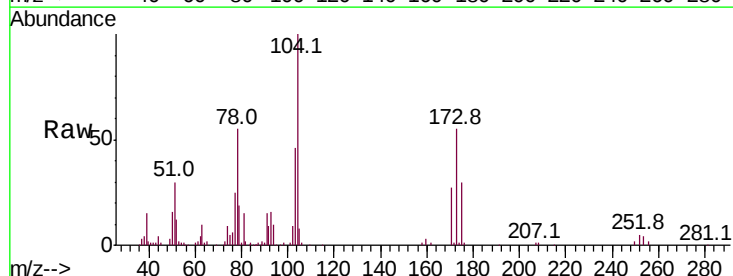
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

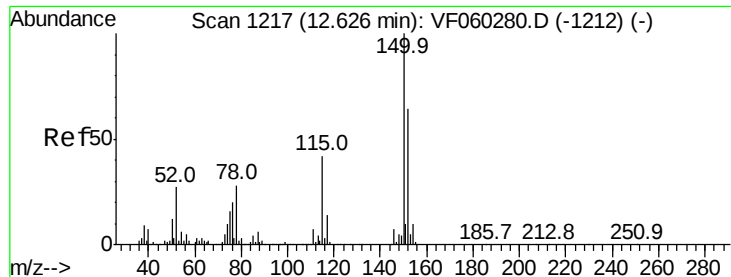
Tot Ion:104 Resp: 181818
 Ion Ratio Lower Upper
 104 100
 78 46.0 35.0 52.6
 103 42.3 37.4 56.0



#71
 Bromoform
 Concen: 21.165 ug/l
 RT: 10.87 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion:173 Resp: 38594
 Ion Ratio Lower Upper
 173 100
 175 55.5 22.3 66.9
 254 0.0 0.0 0.0

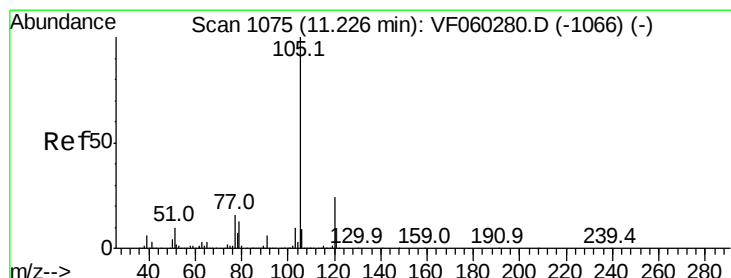
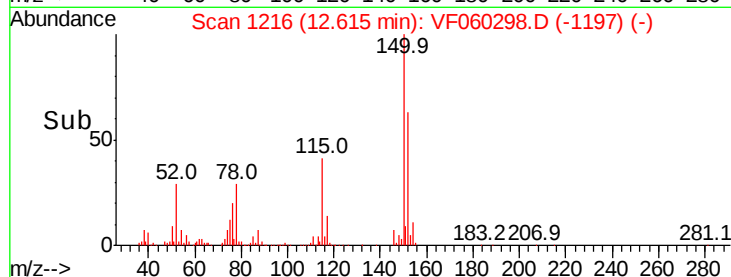
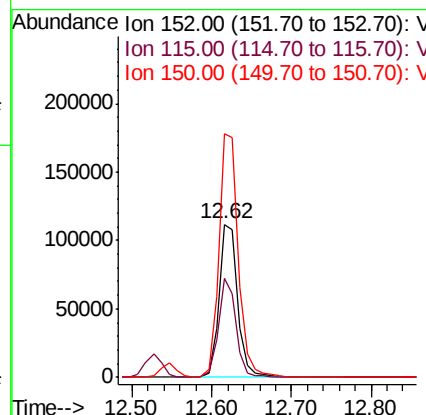
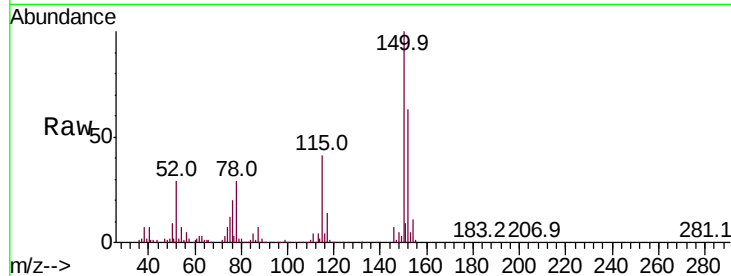




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

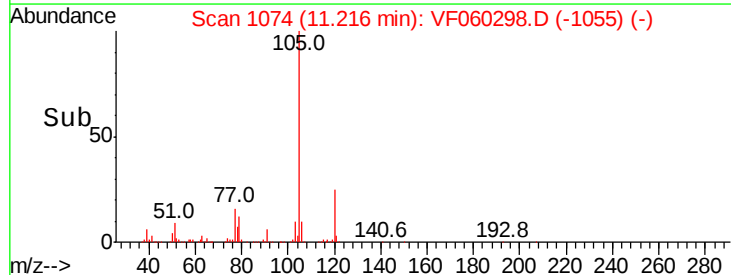
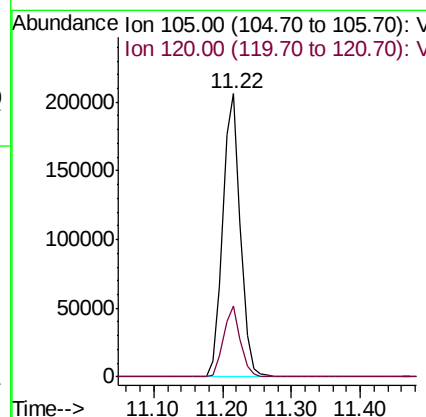
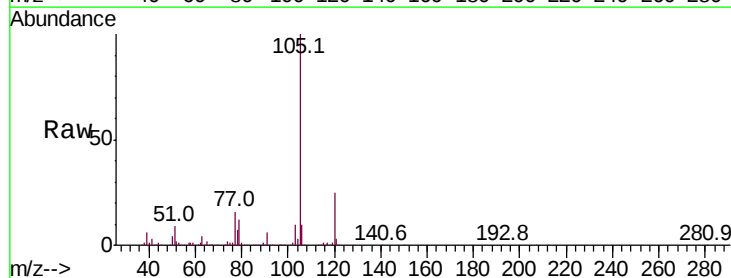
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

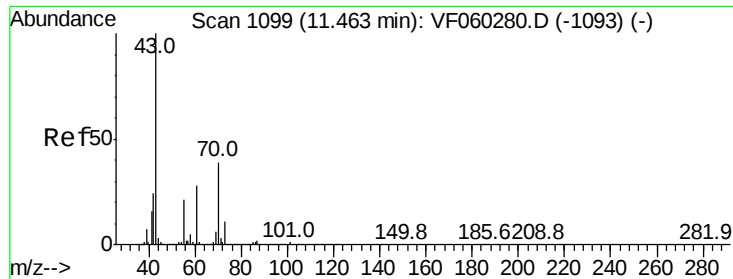
Tot Ion:152 Resp: 185374
 Ion Ratio Lower Upper
 152 100
 115 65.0 32.6 97.8
 150 159.3 0.0 314.2



#73
 Isopropylbenzene
 Concen: 21.908 ug/l
 RT: 11.22 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion:105 Resp: 364588
 Ion Ratio Lower Upper
 105 100
 120 25.2 12.2 36.6





#74

N-amvl acetate

Concen: 23.737 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

Tot Ion: 43 Resp: 84237

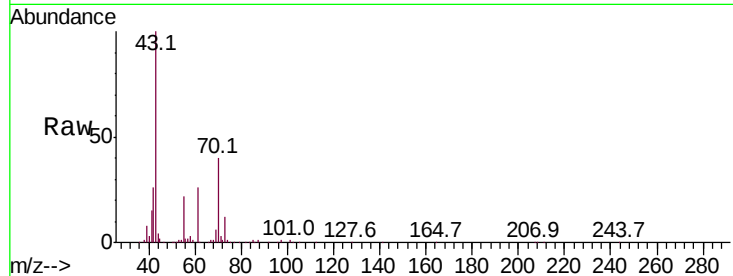
Ion Ratio Lower Upper

43 100

70 39.8 31.4 47.2

55 21.9 16.8 25.2

61 26.2 22.6 34.0

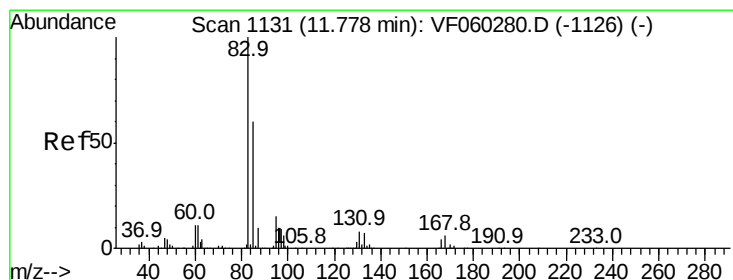
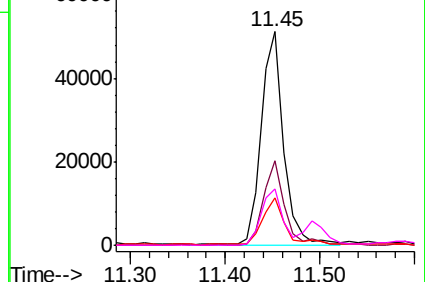
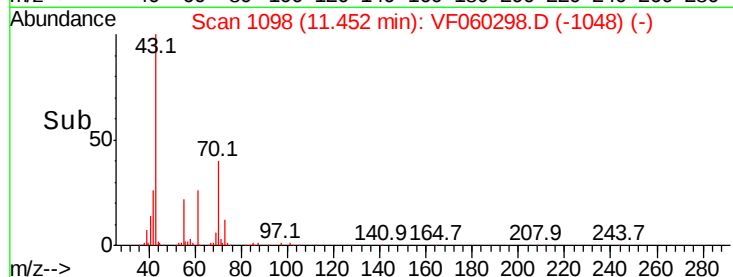


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.393 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

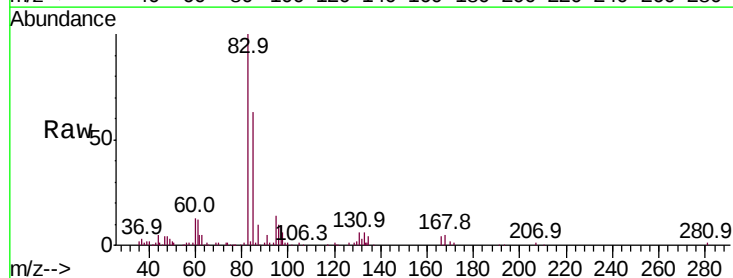
Tgt Ion: 83 Resp: 63092

Ion Ratio Lower Upper

83 100

131 6.4 4.2 12.4

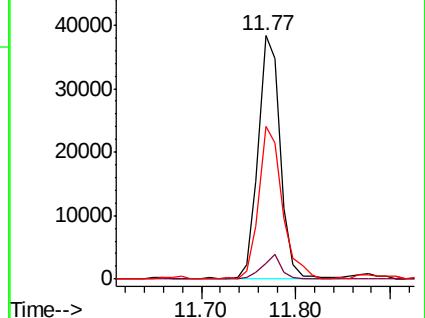
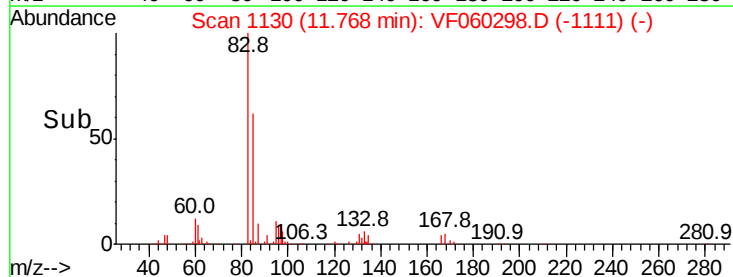
85 62.7 30.1 90.5

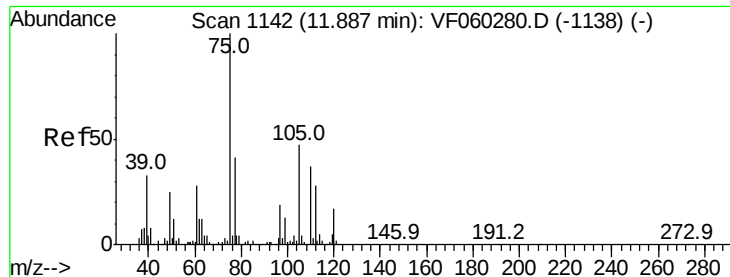


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 21.932 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

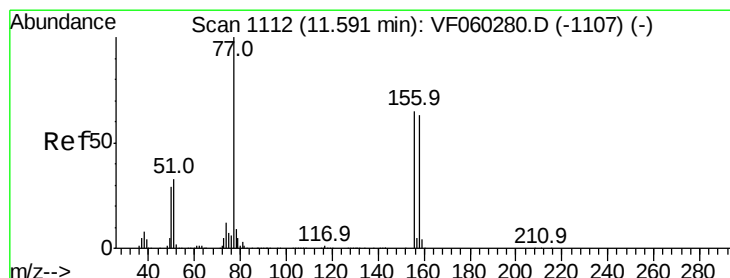
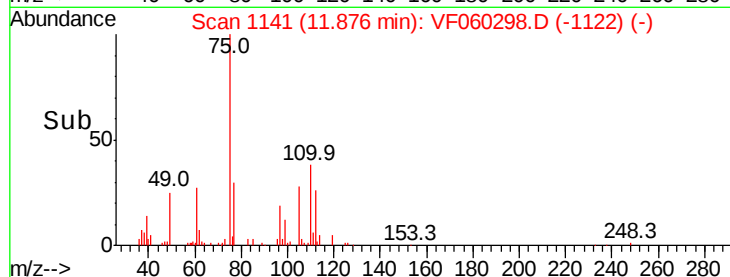
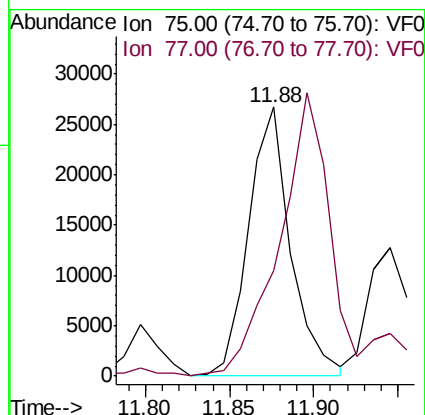
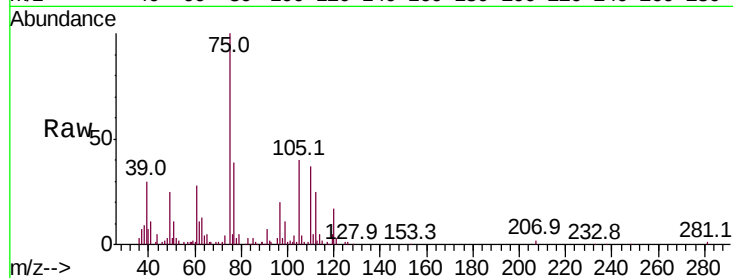
VF0920SBSD01

Tot Ion: 75 Resp: 46314

Ion Ratio Lower Upper

75 100

77 39.4 20.5 61.5



#77

Bromobenzene

Concen: 21.538 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

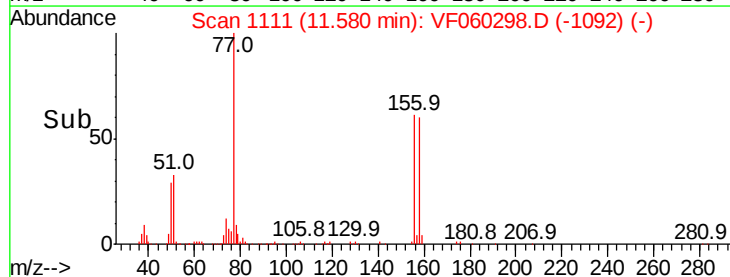
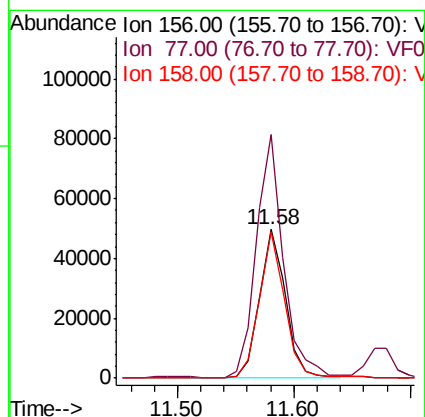
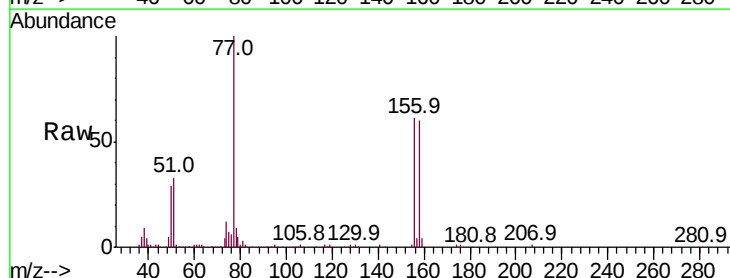
Tgt Ion: 156 Resp: 77246

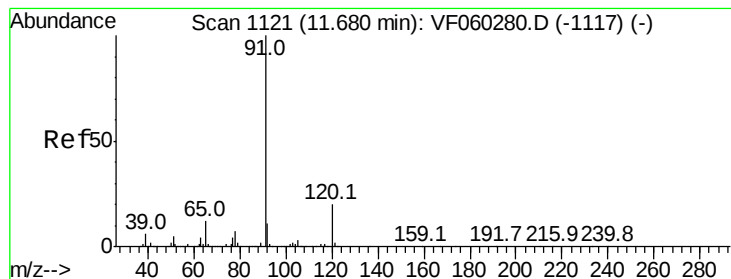
Ion Ratio Lower Upper

156 100

77 163.8 77.3 232.1

158 98.0 48.4 145.2





#78

n-propylbenzene

Concen: 21.877 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

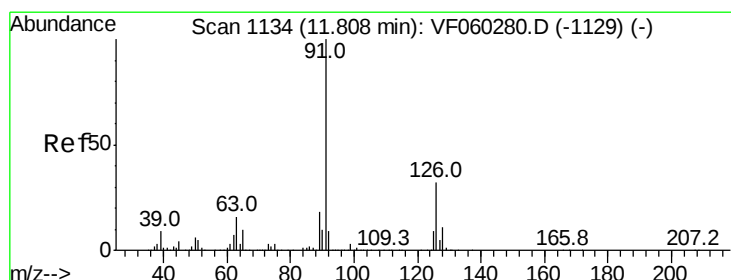
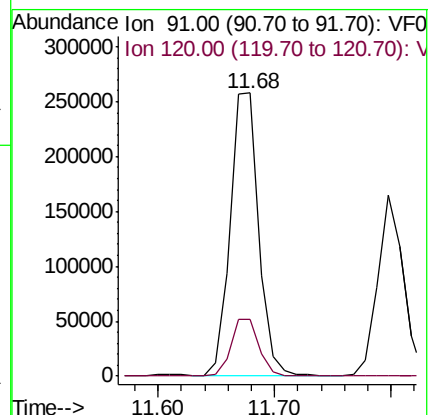
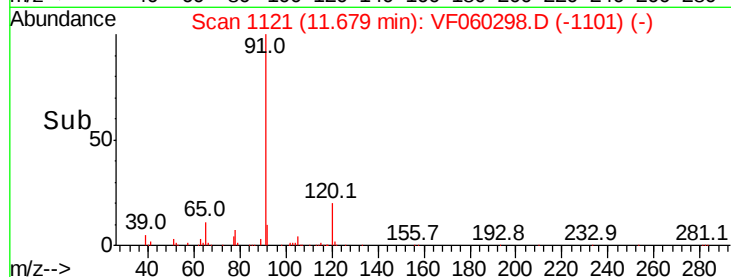
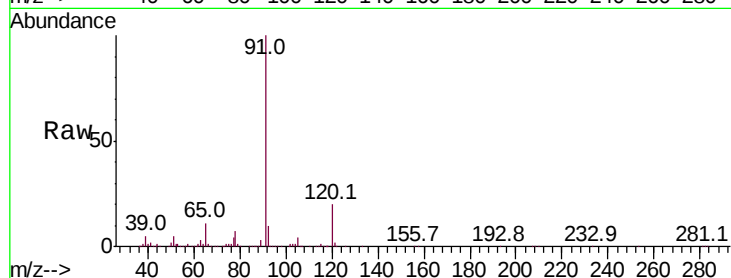
VF0920SBS01

Tot Ion: 91 Resp: 435781

Ion Ratio Lower Upper

91 100

120 20.0 10.0 29.8



#79

2-Chlorotoluene

Concen: 22.102 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060298.D

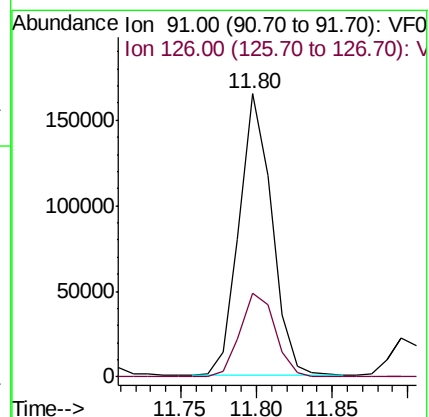
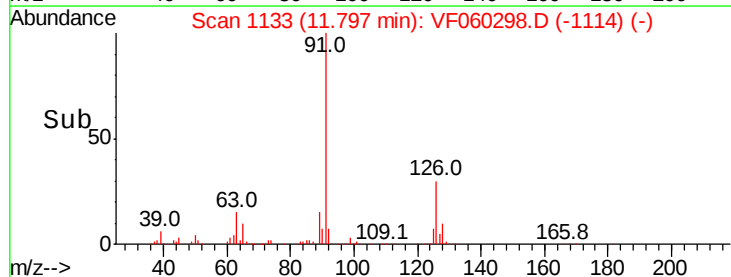
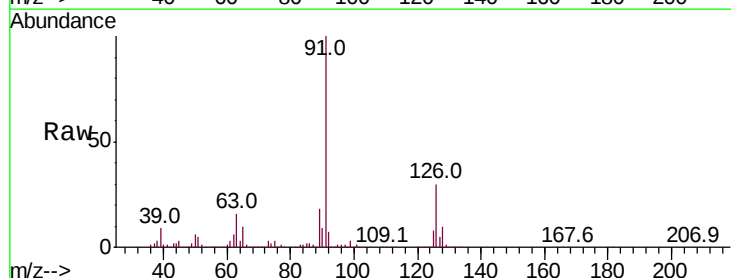
Acq: 20 Sep 2018 12:49

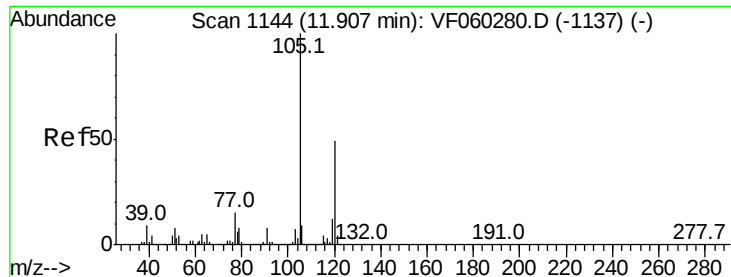
Tgt Ion: 91 Resp: 248106

Ion Ratio Lower Upper

91 100

126 29.8 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 23.255 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

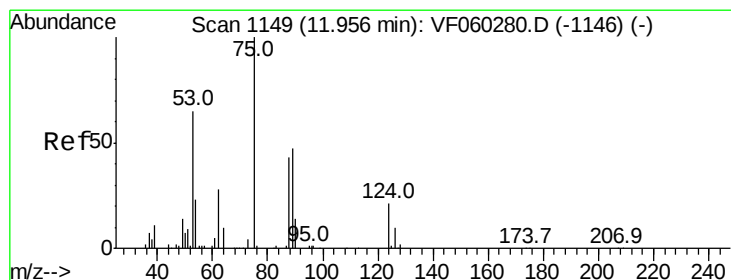
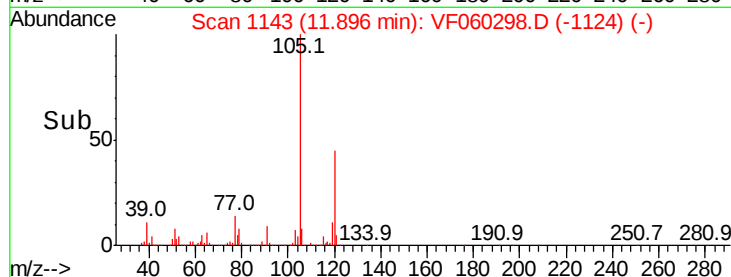
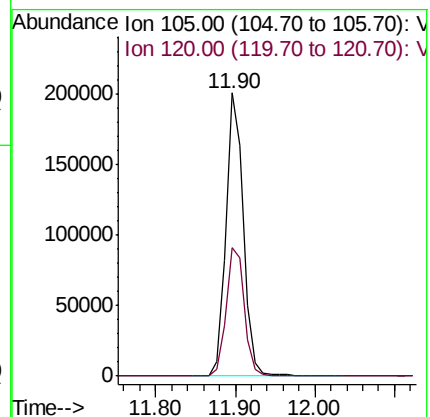
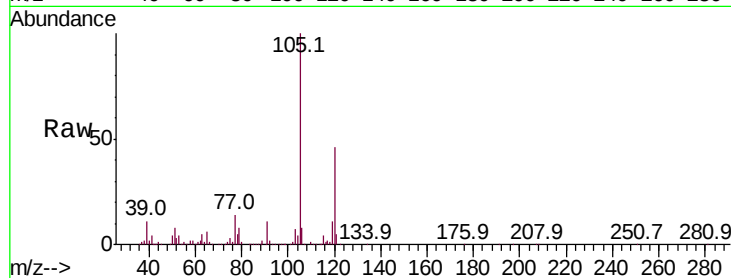
VF0920SBS01

Tot Ion:105 Resp: 311523

Ion Ratio Lower Upper

105 100

120 45.6 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 27.147 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

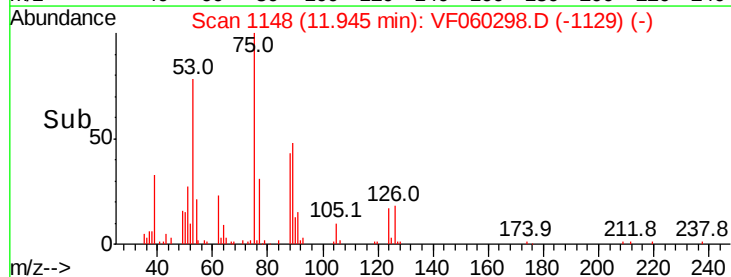
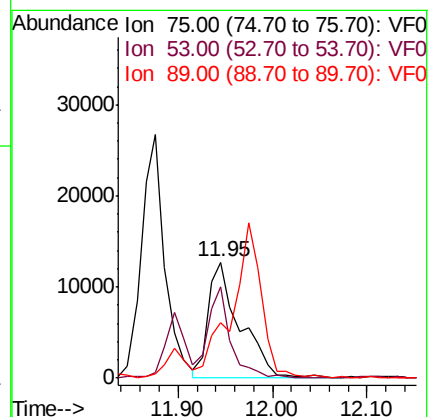
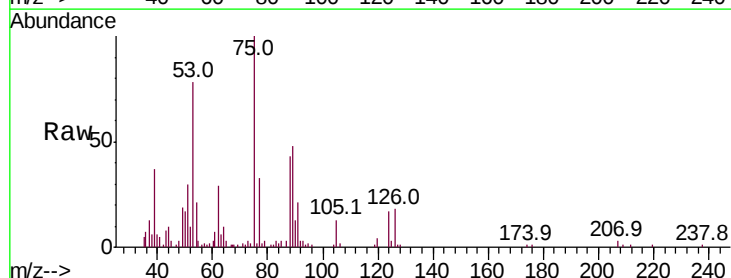
Tgt Ion: 75 Resp: 30296

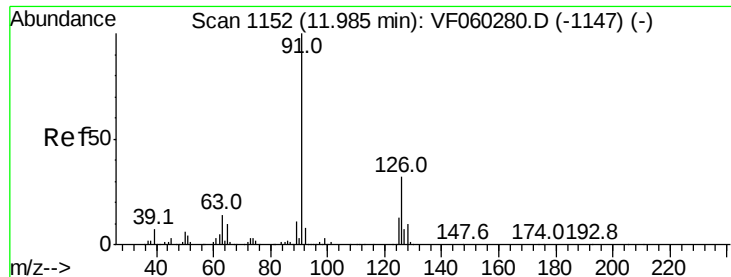
Ion Ratio Lower Upper

75 100

53 78.4 56.5 84.7

89 47.6 40.6 60.8

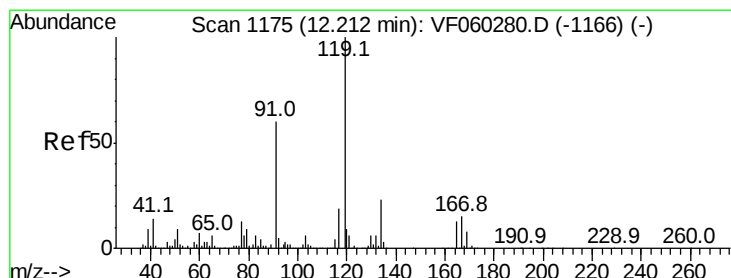
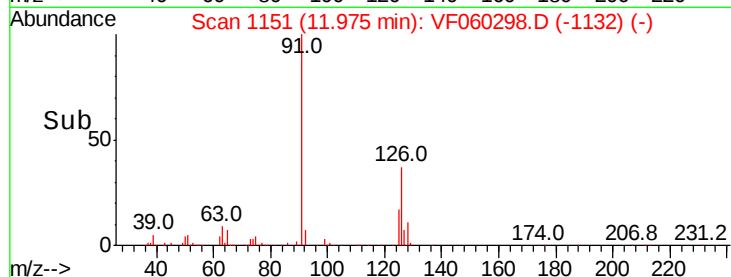
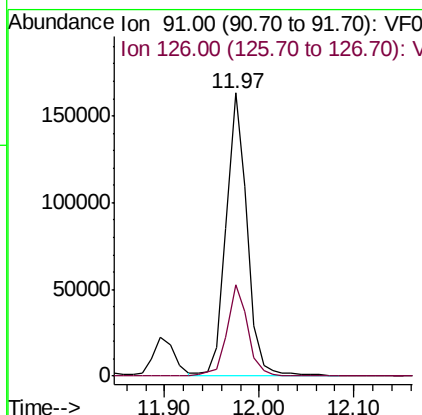
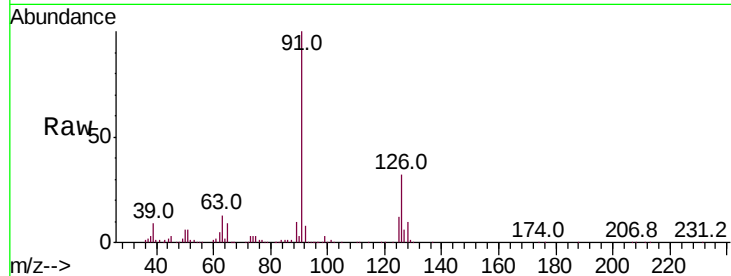




#82
4-Chlorotoluene
Concen: 21.902 ug/l
RT: 11.97 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

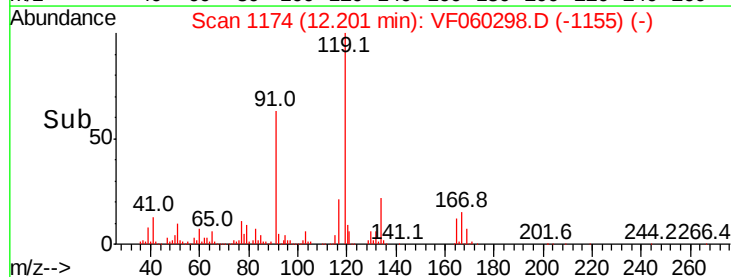
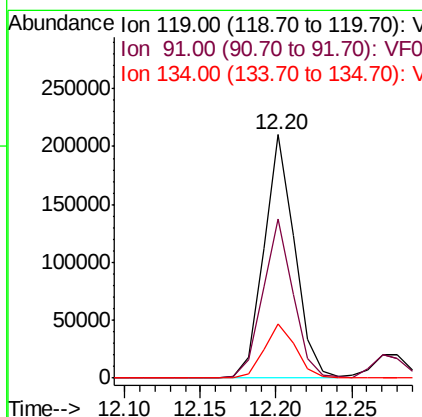
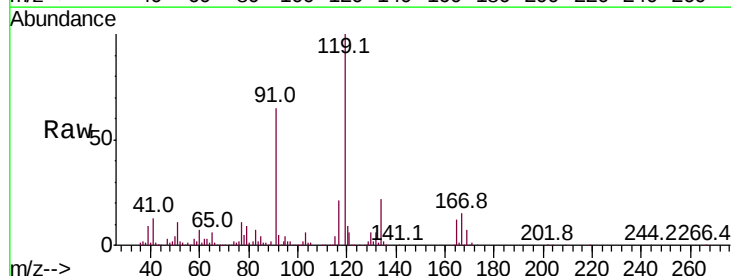
Instrument :
MSVOA_F
ClientSampleId :
VF0920SBS01

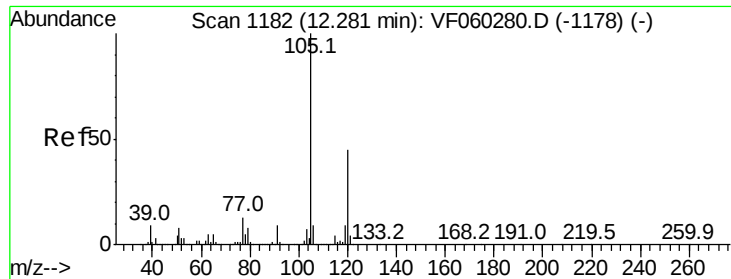
Tot Ion: 91 Resp: 247123
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.2



#83
tert-Butylbenzene
Concen: 22.031 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF060298.D
Acq: 20 Sep 2018 12:49

Tgt Ion: 119 Resp: 299168
Ion Ratio Lower Upper
119 100
91 65.1 30.3 91.0
134 22.3 11.6 34.8

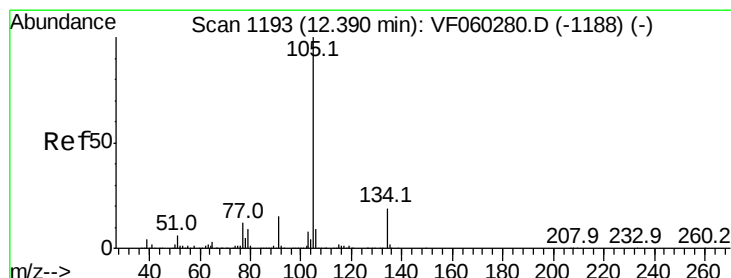
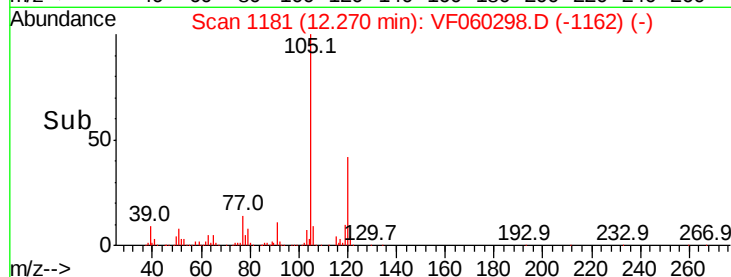
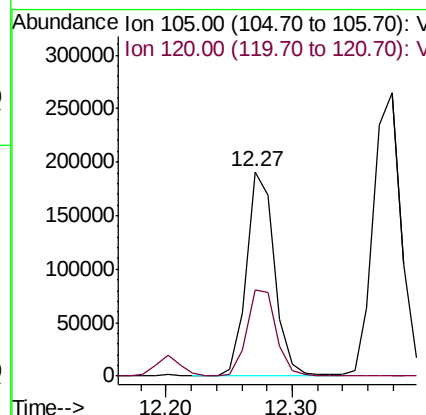
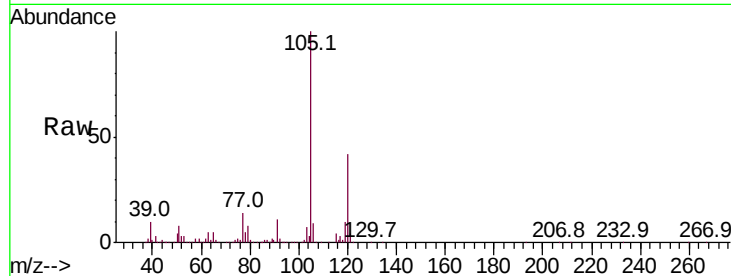




#84
 1,2,4-Trimethylbenzene
 Concen: 21.599 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

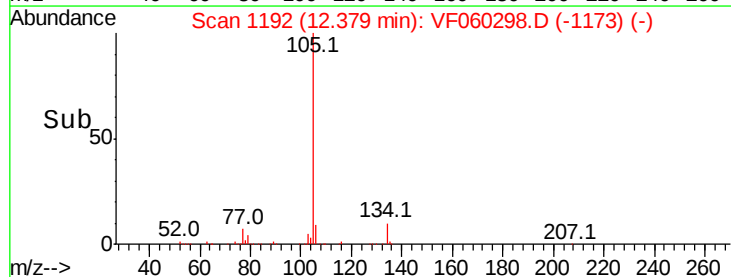
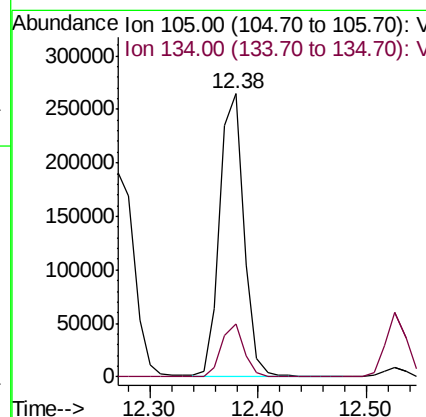
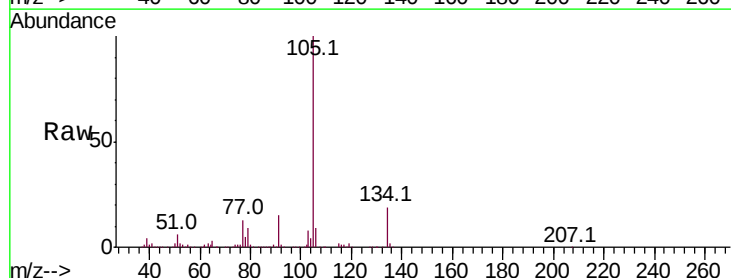
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

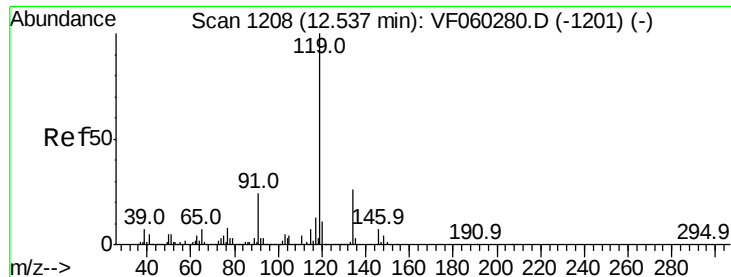
Tot Ion:105 Resp: 293809
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 21.205 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion:105 Resp: 411407
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.6 28.6

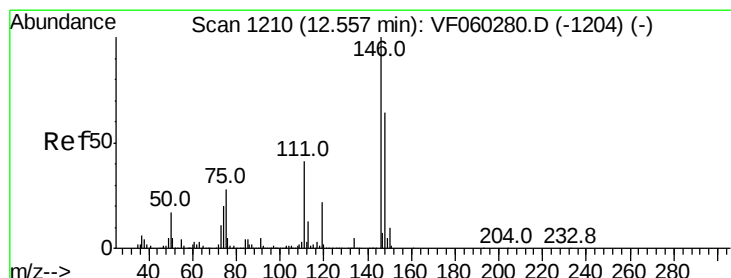
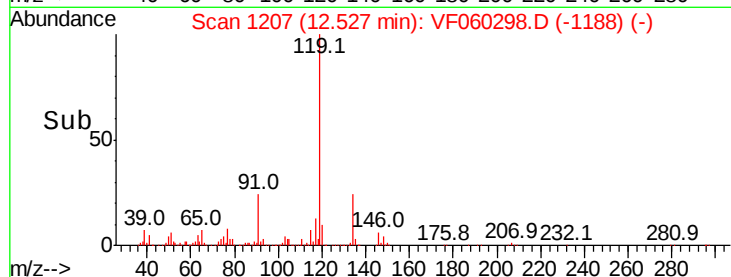
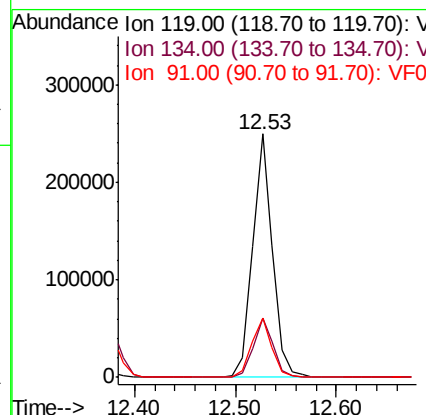
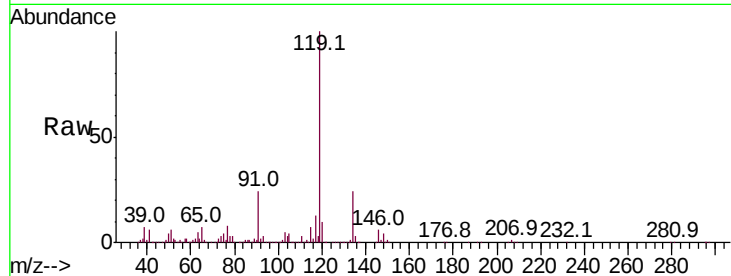




#86
 p-Isopropyltoluene
 Concen: 22.883 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

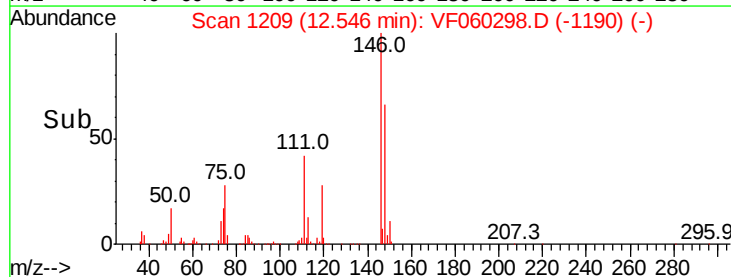
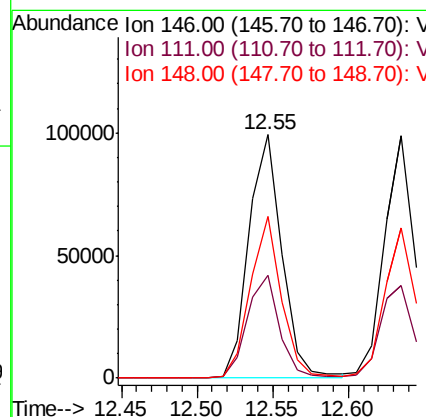
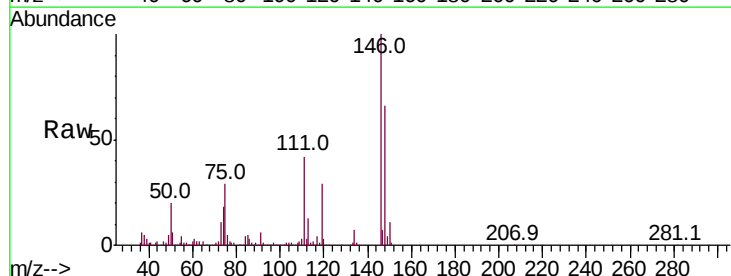
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBS01

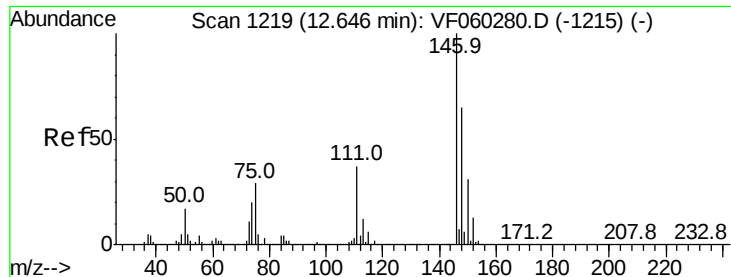
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.9	38.7
91	24.5	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 22.616 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.5	61.6
148	66.2	32.2	96.6

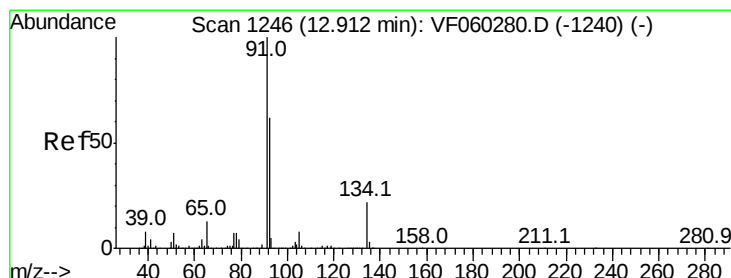
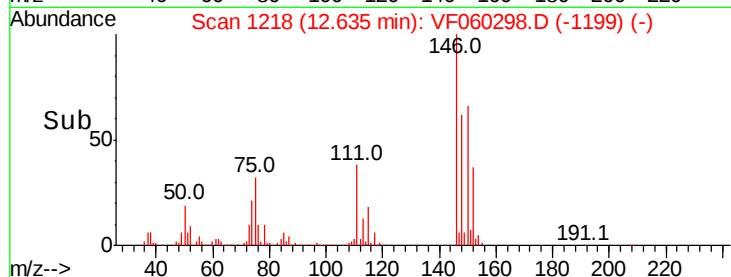
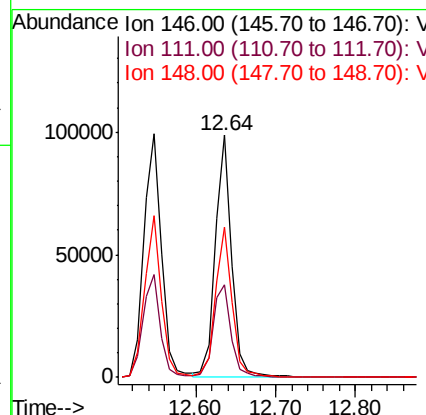
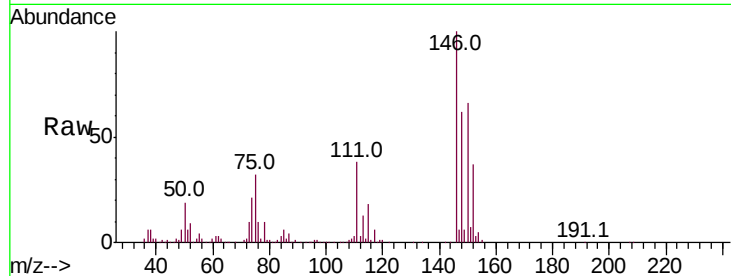




#88
 1,4-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

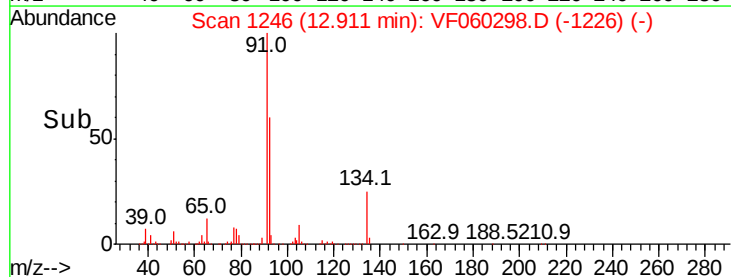
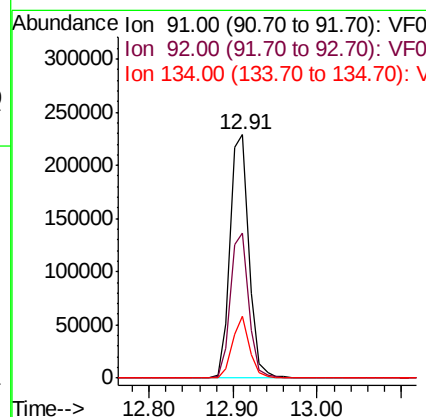
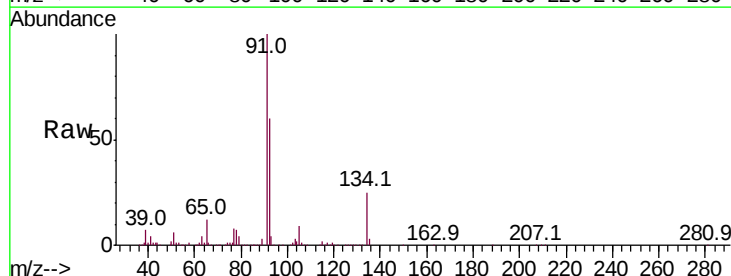
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0920SBSD01

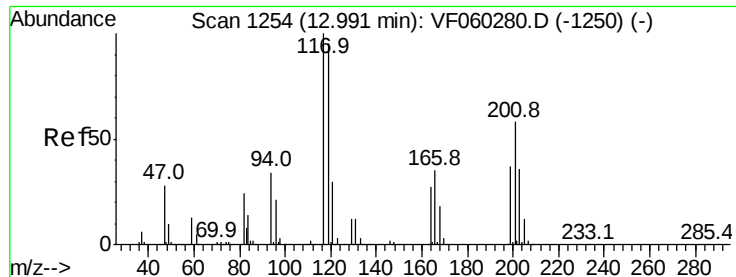
Tot Ion:146 Resp: 143570
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.7 56.1
 148 62.2 32.4 97.0



#89
 n-Butylbenzene
 Concen: 21.754 ug/l
 RT: 12.91 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: VF060298.D
 Acq: 20 Sep 2018 12:49

Tgt Ion: 91 Resp: 356872
 Ion Ratio Lower Upper
 91 100
 92 59.5 31.1 93.5
 134 25.2 11.0 33.0





#90

Hexachloroethane

Concen: 21.642 ug/l

RT: 12.98 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

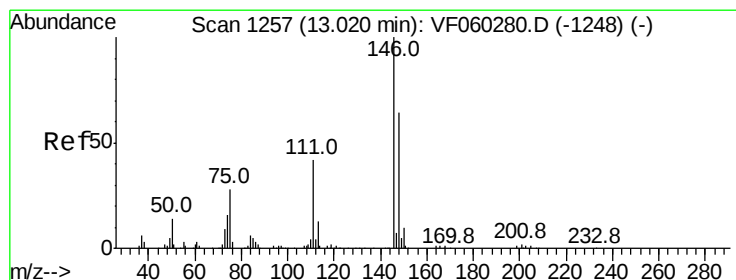
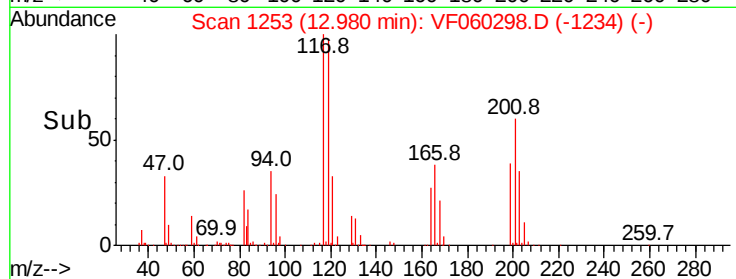
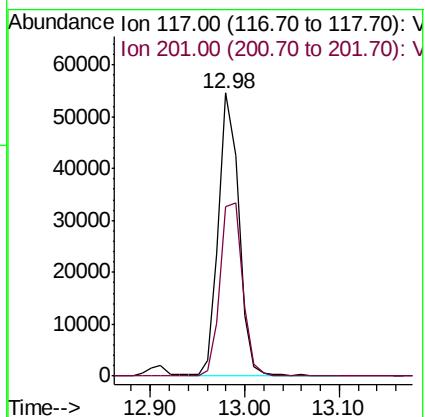
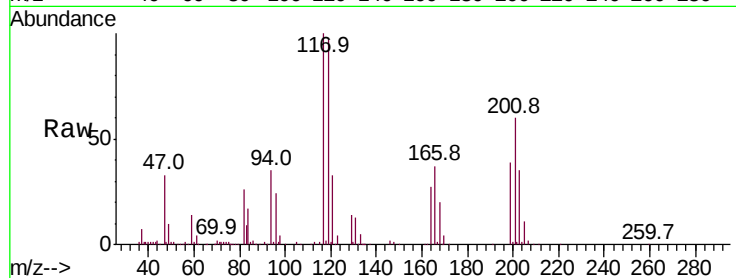
VF0920SBSD01

Tot Ion:117 Resp: 82236

Ion Ratio Lower Upper

117 100

201 61.2 29.0 87.0



#91

1,2-Dichlorobenzene

Concen: 21.375 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

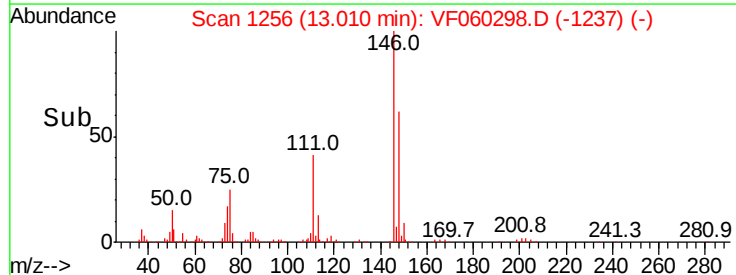
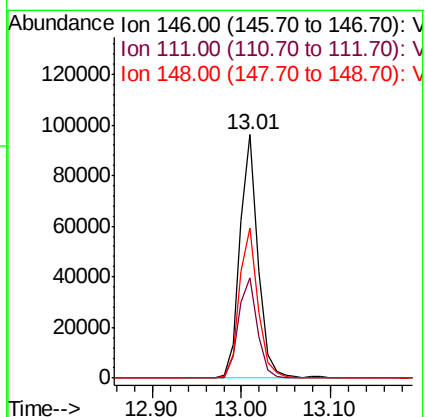
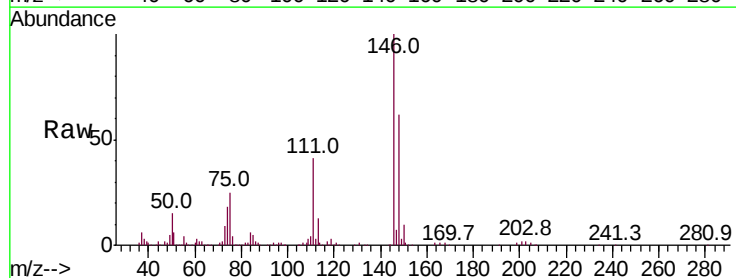
Tgt Ion:146 Resp: 136653

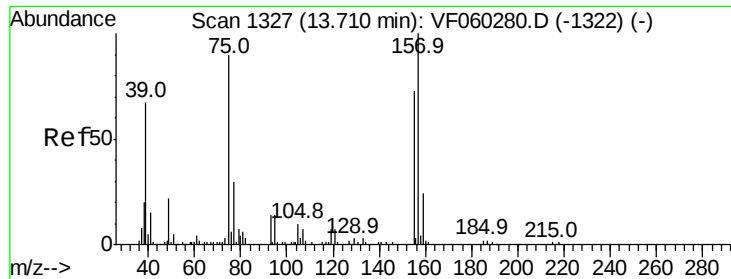
Ion Ratio Lower Upper

146 100

111 41.4 20.9 62.8

148 61.8 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.440 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

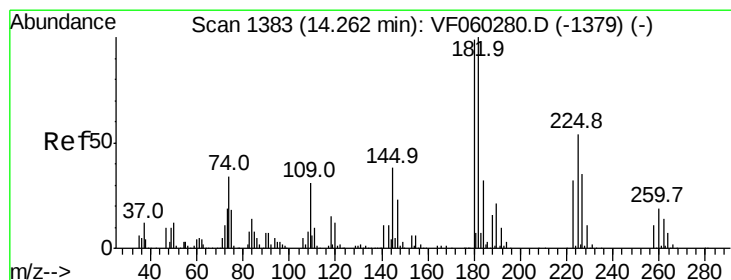
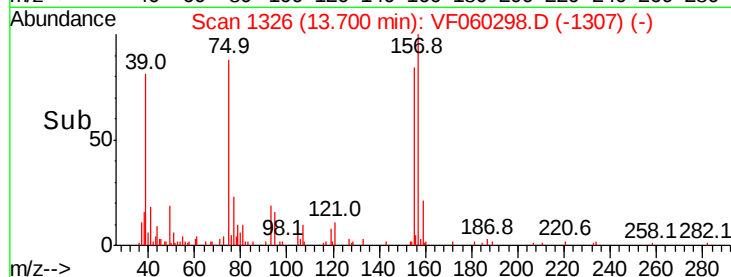
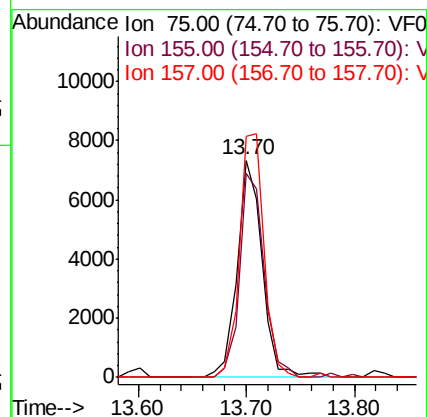
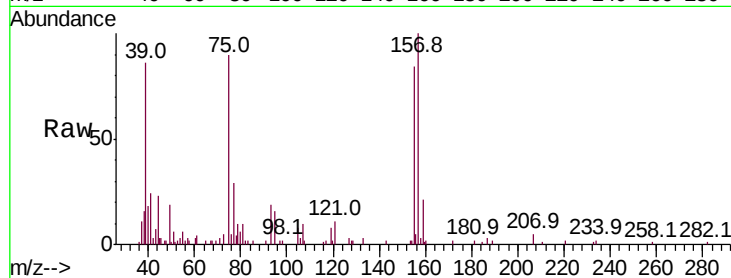
Tot Ion: 75 Resp: 11872

Ion Ratio Lower Upper

75 100

155 93.9 41.9 125.7

157 111.1 57.4 172.0



#93

1,2,4-Trichlorobenzene

Concen: 22.543 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

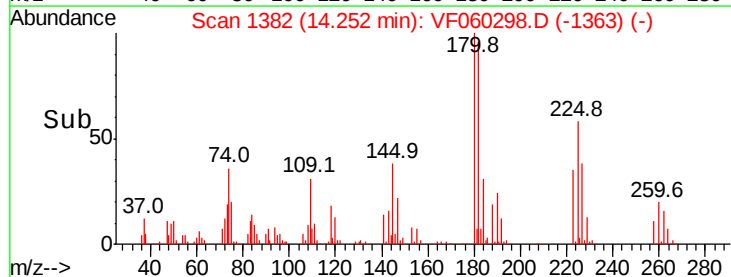
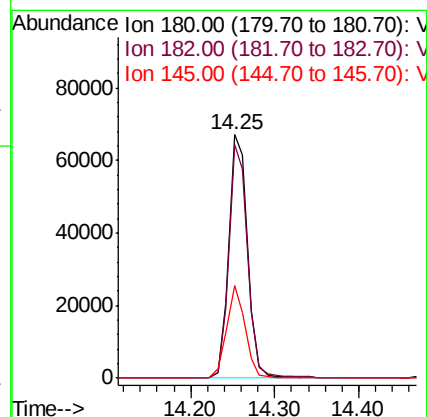
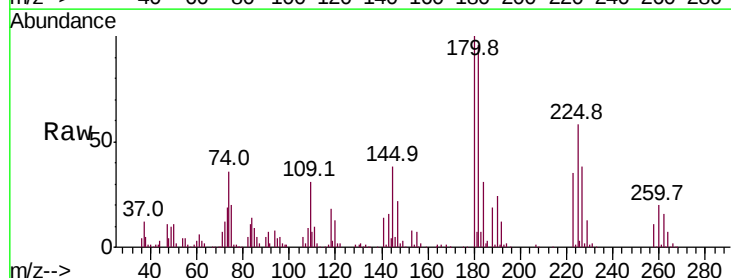
Tgt Ion:180 Resp: 104754

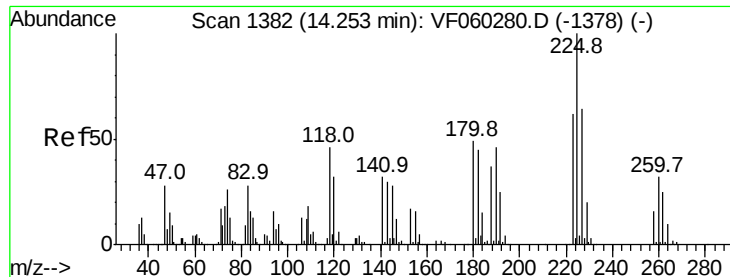
Ion Ratio Lower Upper

180 100

182 95.7 50.3 151.0

145 38.2 18.9 56.9





#94

Hexachlorobutadiene

Concen: 22.219 ug/l

RT: 14.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBS01

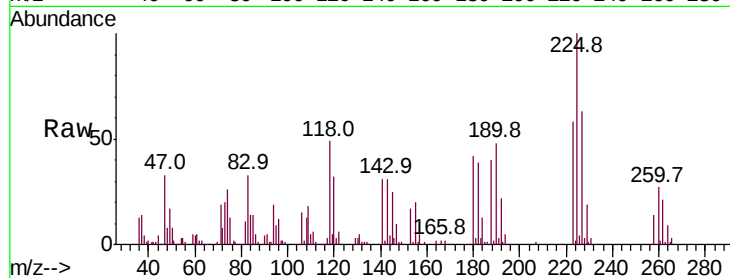
Tot Ion:225 Resp: 69795

Ion Ratio Lower Upper

225 100

223 57.8 31.2 93.6

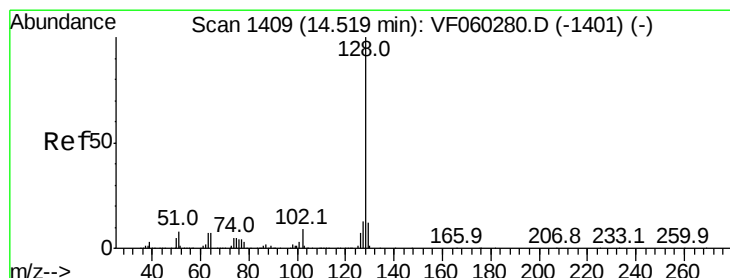
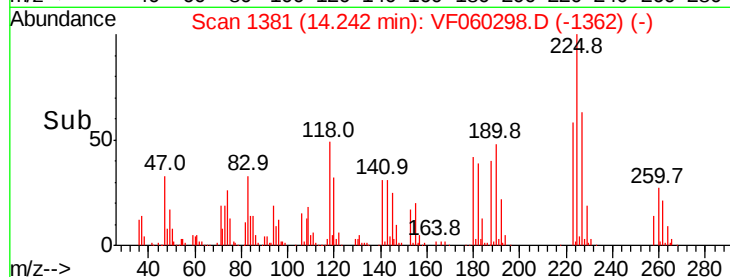
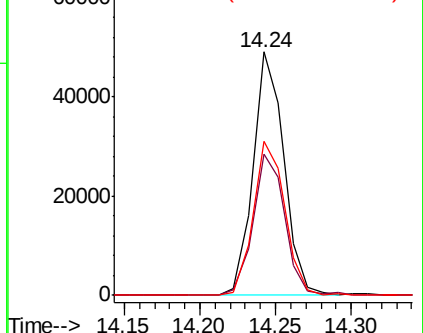
227 63.1 32.2 96.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 23.362 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

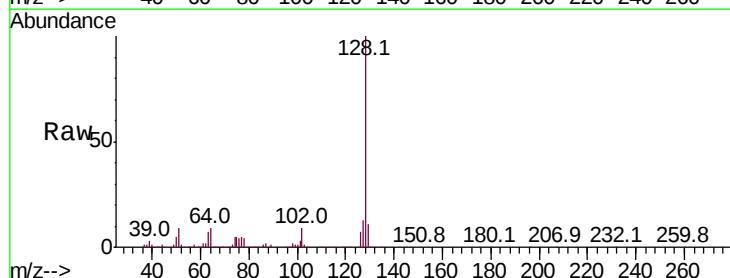
Tgt Ion:128 Resp: 190329

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

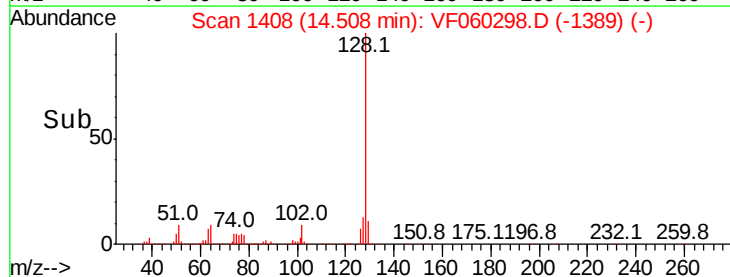
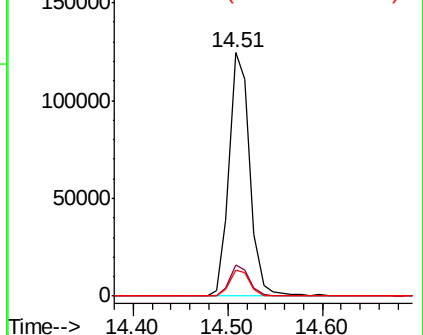
129 10.9 9.8 14.8

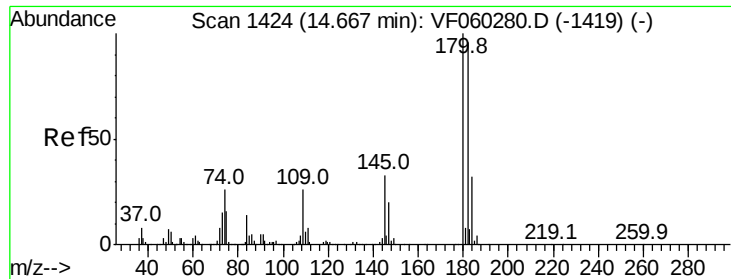


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 21.991 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060298.D

Acq: 20 Sep 2018 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0920SBSD01

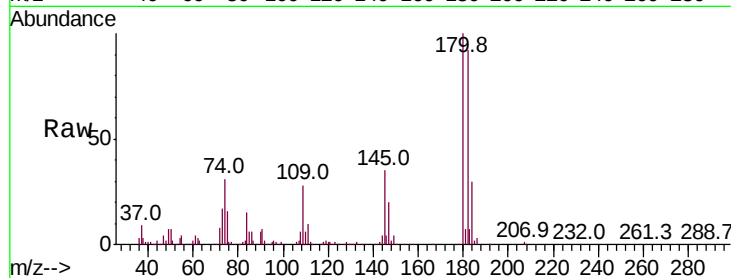
Tot Ion:180 Resp: 94422

Ion Ratio Lower Upper

180 100

182 92.0 47.8 143.4

145 35.2 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

