

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060295.D
 Acq On : 20 Sep 2018 10:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 20 15:43:55 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	5.02	168	260664	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	428037	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	381987	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	202245	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	169952	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
35) Dibromofluoromethane	4.27	113	182735	47.89	ug/l	-0.02
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	7.69	98	497246	50.04	ug/l	-0.02
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.49	95	205781	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	198776	50.998	ug/l	99
3) Chloromethane	1.13	50	154580	43.517	ug/l	94
4) Vinyl Chloride	1.17	62	167730	46.333	ug/l	100
5) Bromomethane	1.34	94	112944	56.178	ug/l	89
6) Chloroethane	1.42	64	83243	48.282	ug/l	96
7) Trichlorofluoromethane	1.54	101	341147	50.582	ug/l	94
8) Diethyl Ether	1.70	74	48656	43.362	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.88	101	170404	47.509	ug/l	94
10) Methyl Iodide	1.96	142	266565	46.086	ug/l	98
11) Tert butyl alcohol	2.67	59	51628	264.532	ug/l	96
12) 1,1-Dichloroethene	1.84	96	138207	46.592	ug/l	96
13) Acrolein	2.08	56	19308	313.885	ug/l	87
14) Allyl chloride	2.18	41	245777	47.481	ug/l	97
15) Acrylonitrile	3.06	53	112902	227.753	ug/l	97
16) Acetone	2.33	43	295352	298.797	ug/l	98
17) Carbon Disulfide	1.88	76	391895	52.950	ug/l	97
18) Methyl Acetate	2.43	43	71371	43.342	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	333106	45.045	ug/l	100
20) Methylene Chloride	2.27	84	82878	27.732	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	137735	44.957	ug/l	92
22) Diisopropyl ether	2.91	45	452061	46.287	ug/l	96
23) Vinyl Acetate	3.31	43	823731	214.748	ug/l	100
24) 1,1-Dichloroethane	2.99	63	297579	46.982	ug/l	99
25) 2-Butanone	4.48	43	339556	255.214	ug/l	97
26) 2,2-Dichloropropane	3.75	77	174918	48.400	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	181824	45.175	ug/l	88
28) Bromochloromethane	3.86	49	109898	44.565	ug/l	88
29) Tetrahydrofuran	4.23	42	107006	219.624	ug/l	99
30) Chloroform	4.01	83	347130	45.421	ug/l	95
31) Cyclohexane	3.84	56	229765	42.946	ug/l	98
32) 1,1,1-Trichloroethane	4.25	97	293109	48.605	ug/l	98
36) 1,1-Dichloropropene	4.44	75	251111	47.032	ug/l	98
37) Ethyl Acetate	4.27	43	102994	45.590	ug/l	96
38) Carbon Tetrachloride	4.15	117	320210	55.836	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	256876	44.391	ug/l	93
40) Benzene	4.78	78	562505	46.463	ug/l	99
41) Methacrylonitrile	4.90	41	56615	46.184	ug/l	95
42) 1,2-Dichloroethane	5.10	62	214888	48.223	ug/l	100
43) Isopropyl Acetate	7.09	43	118031	43.398	ug/l #	96
44) Trichloroethene	5.65	130	164670	45.704	ug/l	97
45) 1,2-Dichloropropane	6.38	63	153511	48.995	ug/l	93
46) Dibromomethane	6.23	93	109004	48.670	ug/l	90
47) Bromodichloromethane	6.53	83	267394	49.681	ug/l	95
48) Methyl methacrylate	6.85	41	83814	43.901	ug/l	93
49) 1,4-Dioxane	6.85	88	16229	951.497	ug/l	86
51) 4-Methyl-2-Pentanone	8.38	43	522916	249.461	ug/l	98
52) Toluene	7.76	92	359079	46.884	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	206510	47.568	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	258149	47.201	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	114276	49.161	ug/l	98
56) Ethyl methacrylate	8.74	69	125817	44.816	ug/l	94
57) 1,3-Dichloropropane	8.98	76	187420	48.694	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	54863	221.058	ug/l	100
59) 2-Hexanone	9.61	43	348613	233.577	ug/l	100
60) Dibromochloromethane	8.84	129	169605	48.953	ug/l	100
61) 1,2-Dibromoethane	9.12	107	120848	46.686	ug/l	98
64) Tetrachloroethene	8.28	164	154499	44.617	ug/l	96
65) Chlorobenzene	9.92	112	399117	46.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	171122	47.629	ug/l	93
67) Ethyl Benzene	10.01	91	721125	45.050	ug/l	99
68) m/p-Xylenes	10.25	106	503668	91.074	ug/l	90
69) o-Xylene	10.81	106	289536	46.677	ug/l	97
70) Styrene	10.88	104	409221	46.779	ug/l	97
71) Bromoform	10.87	173	93608	47.440	ug/l #	97
73) Isopropylbenzene	11.21	105	855237	47.105	ug/l	99
74) N-amyl acetate	11.44	43	147285	38.042	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	143535	44.608	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	107448	46.638	ug/l	87
77) Bromobenzene	11.58	156	174655	44.636	ug/l	96
78) n-propylbenzene	11.67	91	1000222	57.083	ug/l	99
79) 2-Chlorotoluene	11.80	91	563164	45.983	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	683260	46.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	70015	57.505	ug/l	98
82) 4-Chlorotoluene	11.98	91	578904	47.028	ug/l	99
83) tert-Butylbenzene	12.20	119	685623	46.278	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	659308	44.426	ug/l	99
85) sec-Butylbenzene	12.37	105	959924	56.778	ug/l	98
86) p-Isopropyltoluene	12.53	119	764467	56.491	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	334876	45.800	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	344841	47.716	ug/l	99
89) n-Butylbenzene	12.90	91	817092	53.661	ug/l	98
90) Hexachloroethane	12.98	117	196599	47.422	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	330583	47.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26654	44.120	ug/l	98

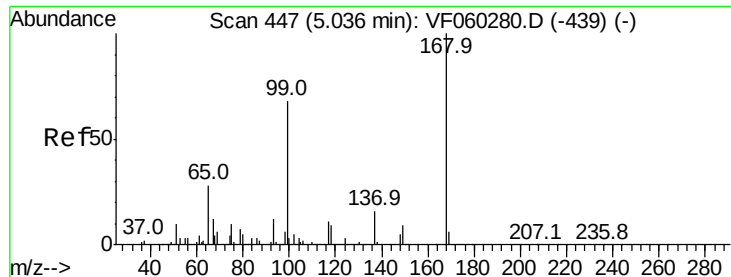
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	237670	46.881	ug/l	99
94) Hexachlorobutadiene	14.24	225	162470	47.407	ug/l	97
95) Naphthalene	14.51	128	362913	40.830	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	215913	46.091	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

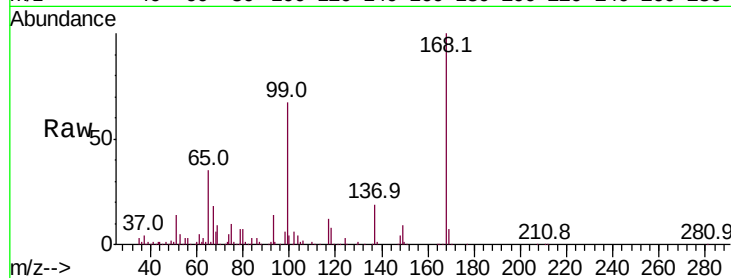
VSTDCCC050

Tot Ion:168 Resp: 260664

Ion Ratio Lower Upper

168 100

99 67.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

100000

80000

60000

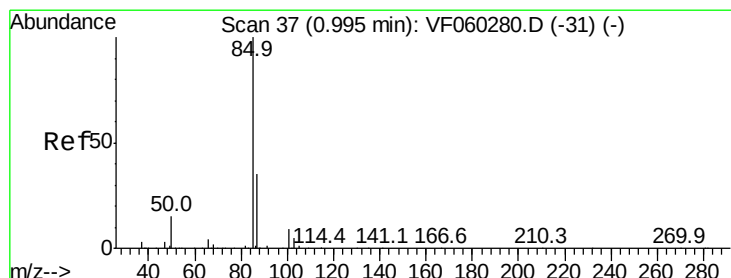
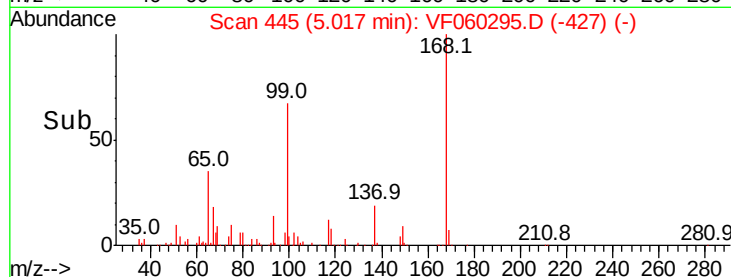
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 50.998 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060295.D

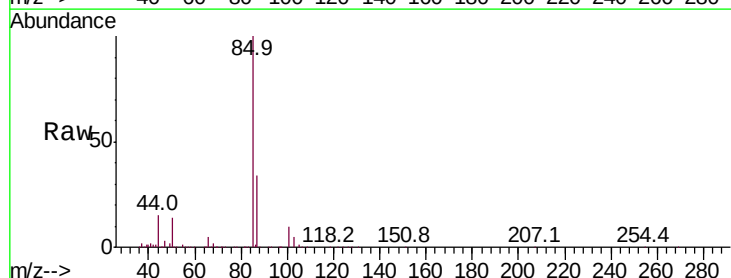
Acq: 20 Sep 2018 10:22

Tgt Ion: 85 Resp: 198776

Ion Ratio Lower Upper

85 100

87 34.0 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

80000

60000

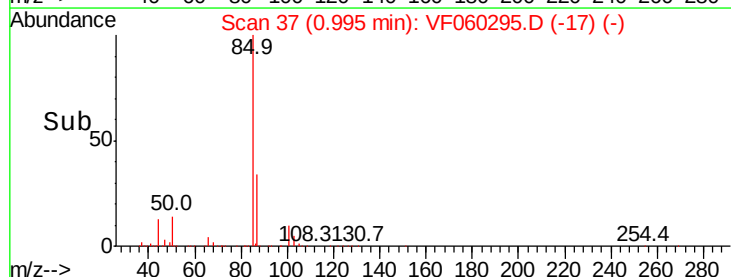
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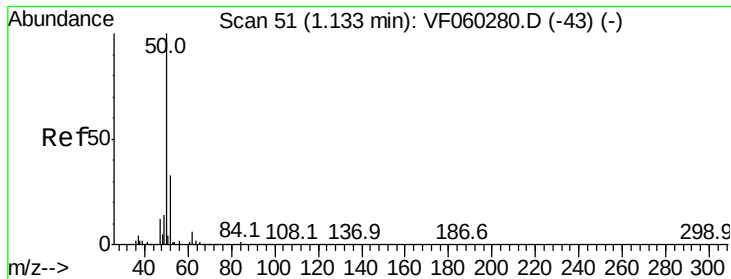
20000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 43.517 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

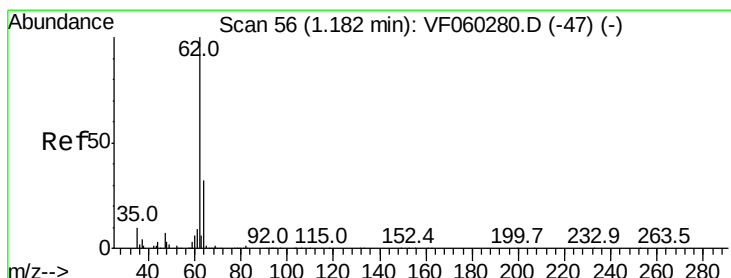
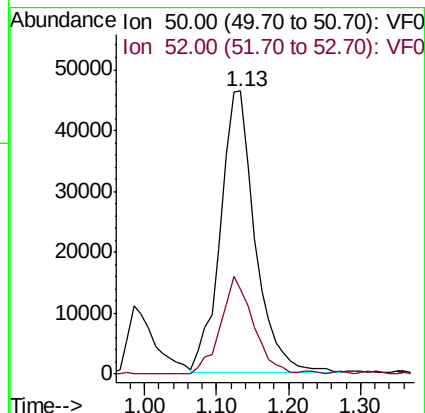
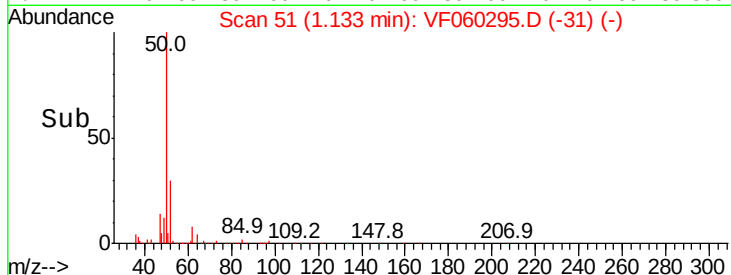
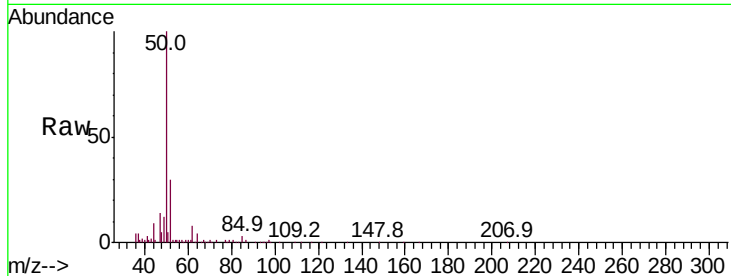
VSTDCCC050

Tot Ion: 50 Resp: 154580

Ion Ratio Lower Upper

50 100

52 30.0 26.5 39.7



#4

Vinyl Chloride

Concen: 46.333 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060295.D

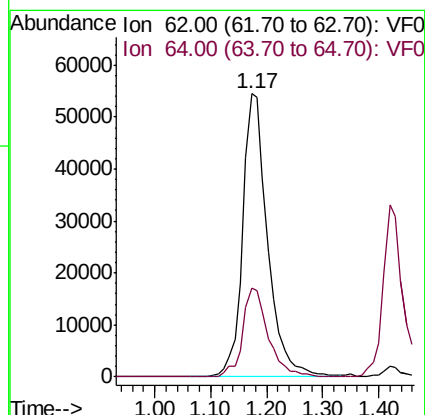
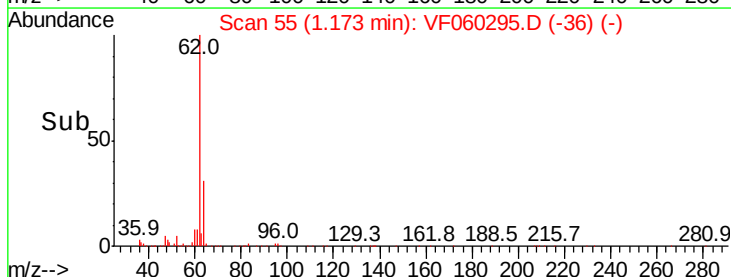
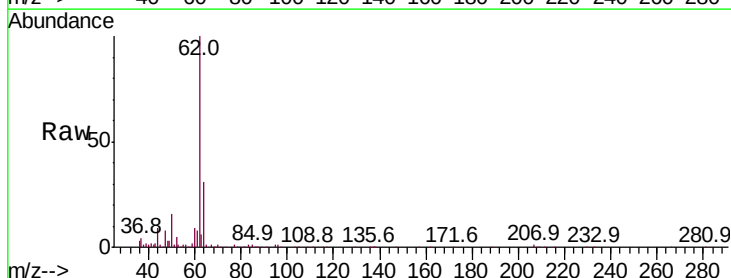
Acq: 20 Sep 2018 10:22

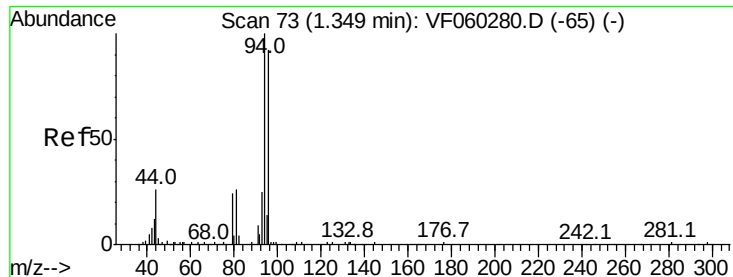
Tgt Ion: 62 Resp: 167730

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 56.178 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

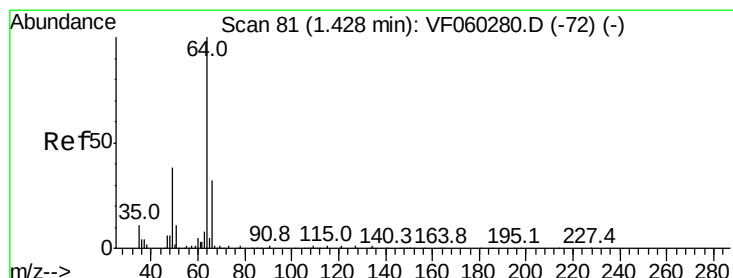
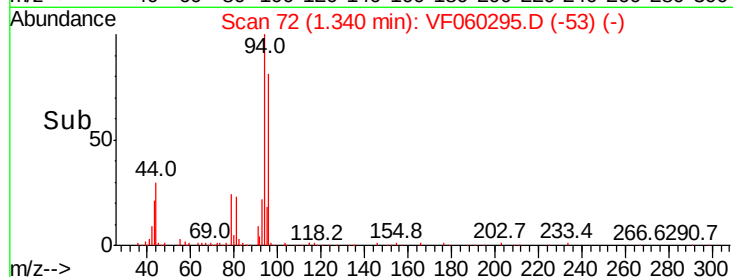
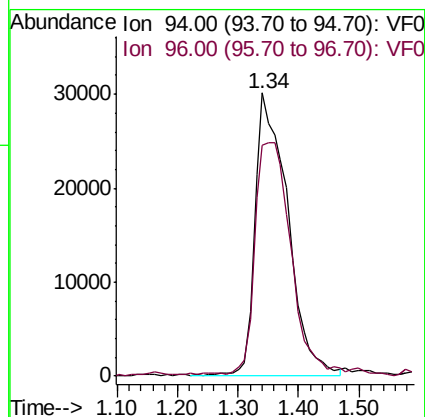
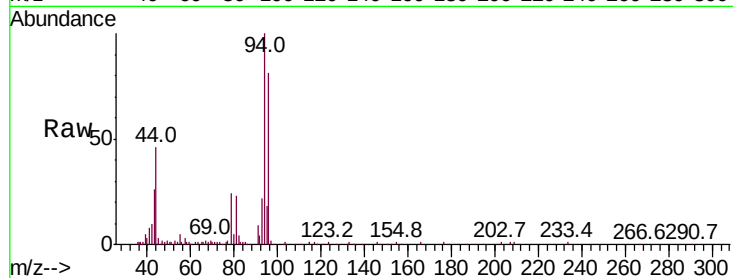
VSTDCCC050

Tot Ion: 94 Resp: 112944

Ion Ratio Lower Upper

94 100

96 81.5 73.9 110.9



#6

Chloroethane

Concen: 48.282 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060295.D

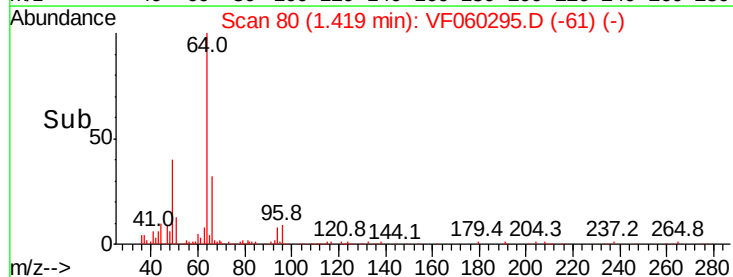
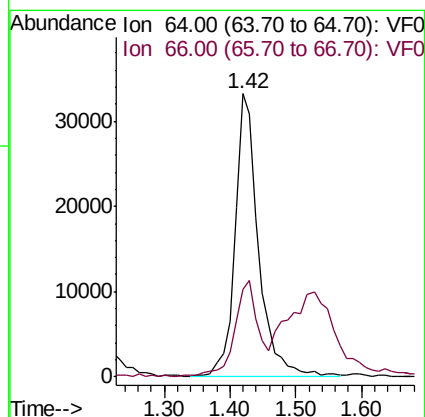
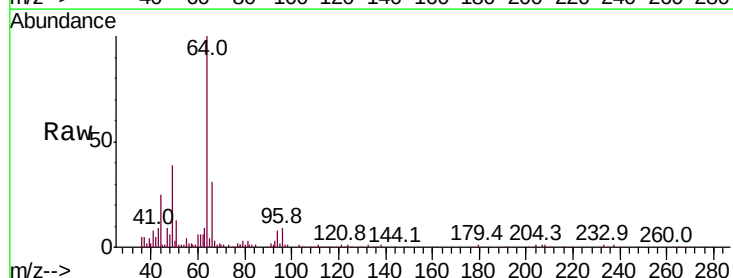
Acq: 20 Sep 2018 10:22

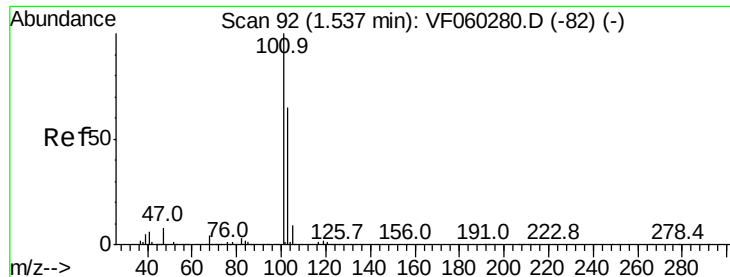
Tgt Ion: 64 Resp: 83243

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.2



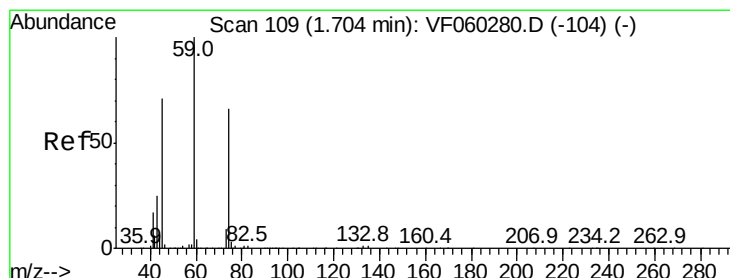
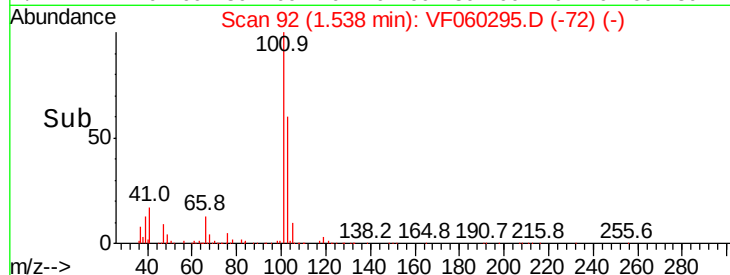
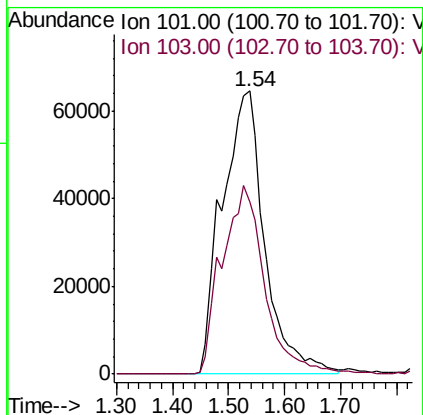
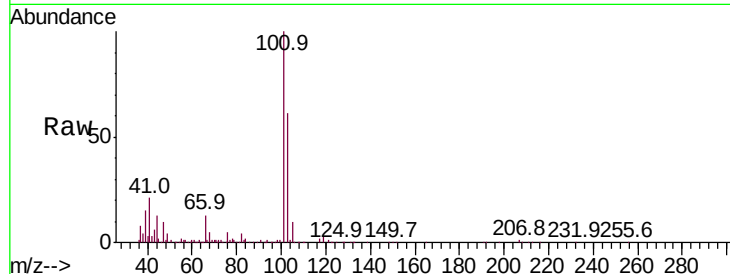


#7

Trichlorofluoromethane
Concen: 50.582 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060295.D
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VSTDCCC050

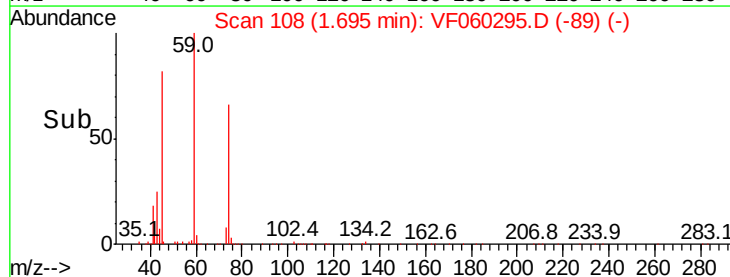
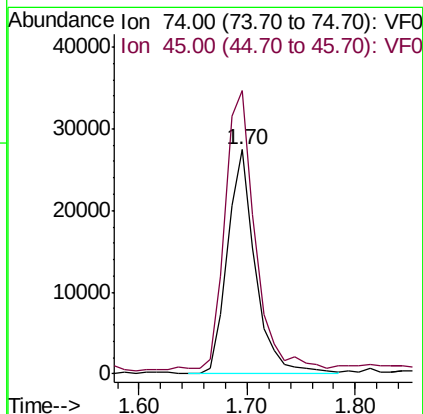
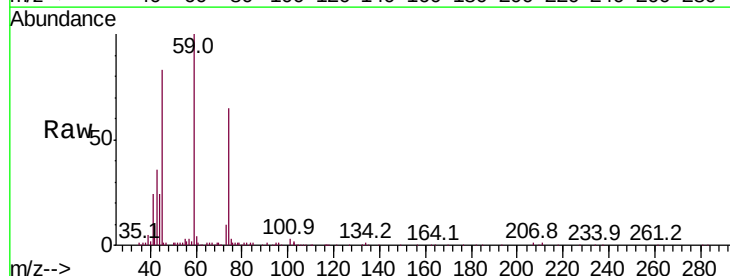
Tot Ion:101 Resp: 341147
Ion Ratio Lower Upper
101 100
103 60.6 52.0 78.0

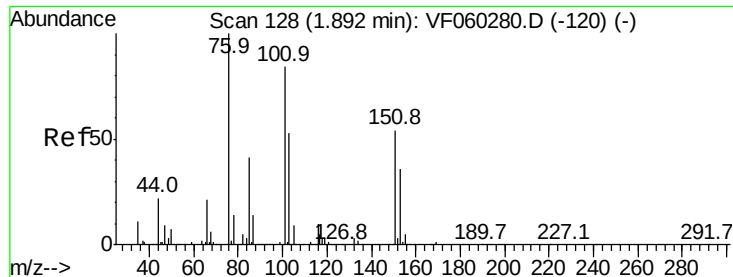


#8

Diethyl Ether
Concen: 43.362 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 74 Resp: 48656
Ion Ratio Lower Upper
74 100
45 126.2 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.509 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

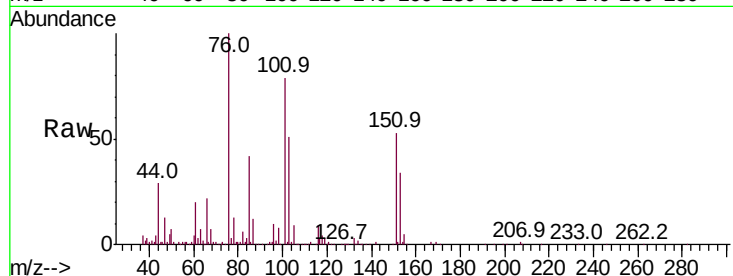
Tot Ion:101 Resp: 170404

Ion Ratio Lower Upper

101 100

85 53.4 38.7 58.1

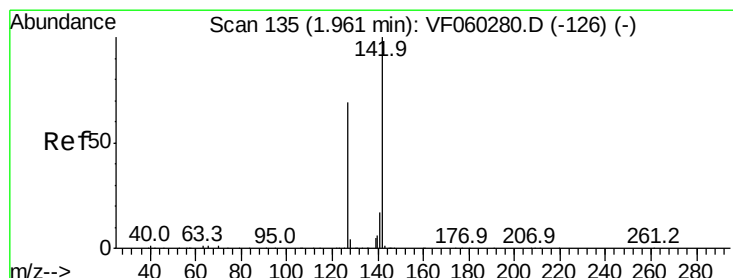
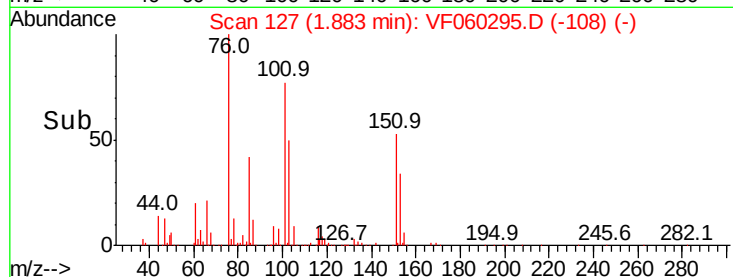
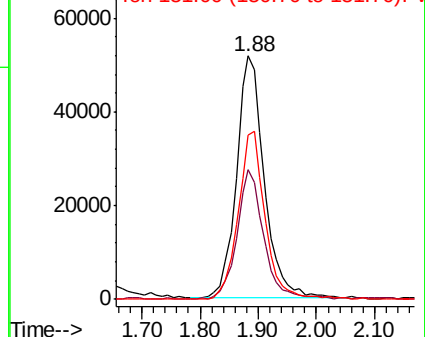
151 67.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 46.086 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

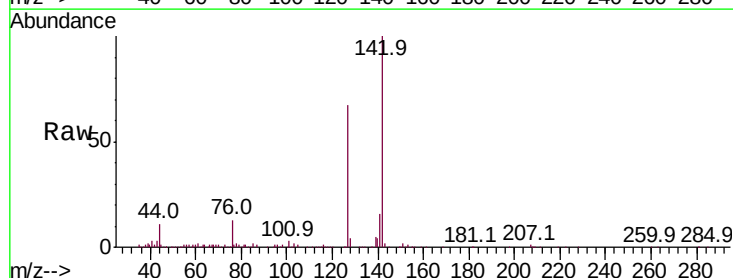
Tgt Ion:142 Resp: 266565

Ion Ratio Lower Upper

142 100

127 66.8 55.4 83.0

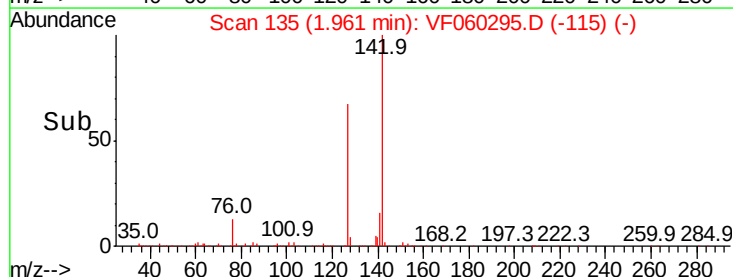
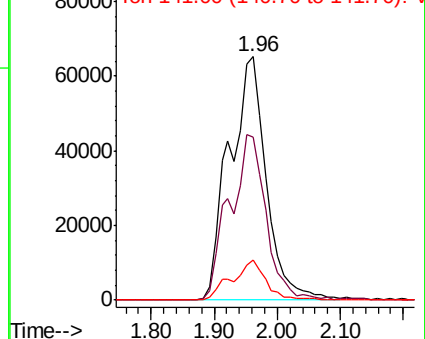
141 16.4 13.3 19.9

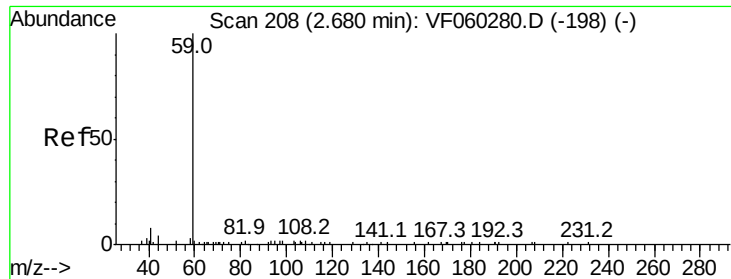


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

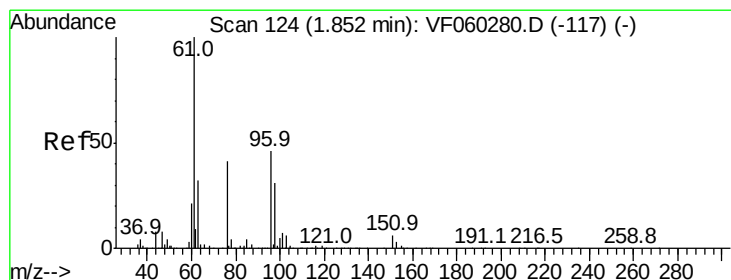
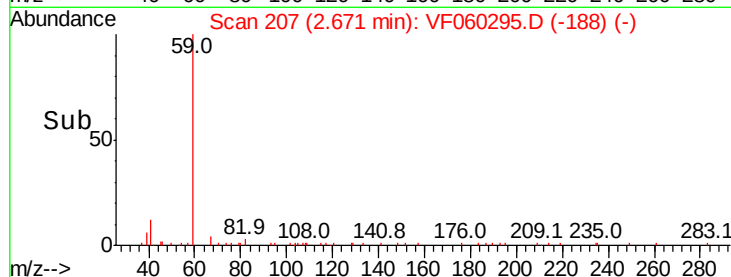
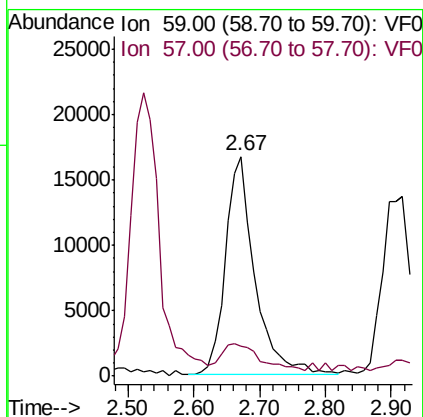
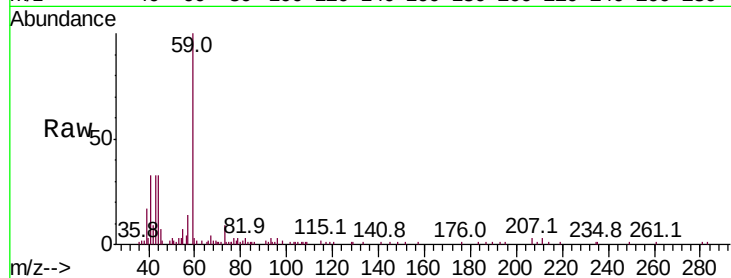




#11
Tert butyl alcohol
Concen: 264.532 ug/l
RT: 2.67 min Scan# 207
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

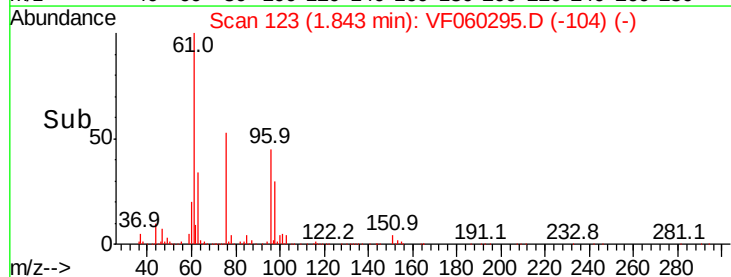
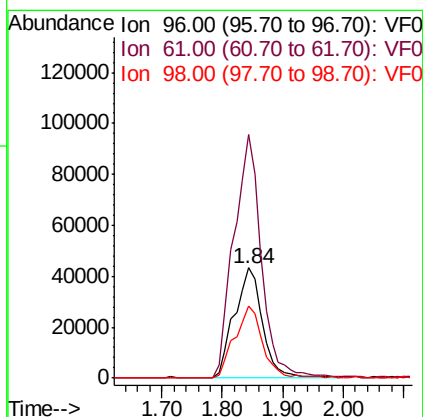
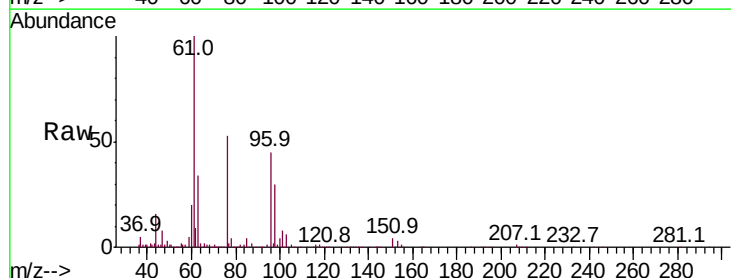
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

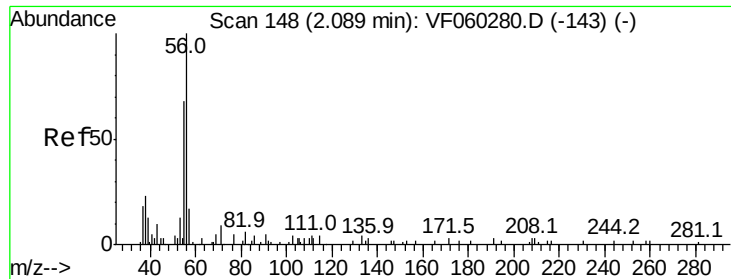
Tot Ion: 59 Resp: 51628
Ion Ratio Lower Upper
59 100
57 13.8 12.4 18.6



#12
1,1-Dichloroethene
Concen: 46.592 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 96 Resp: 138207
Ion Ratio Lower Upper
96 100
61 221.4 172.2 258.2
98 65.4 54.1 81.1

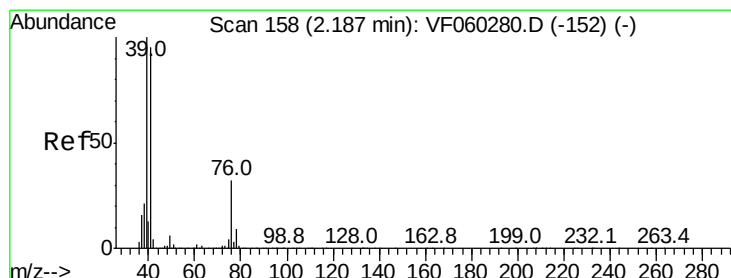
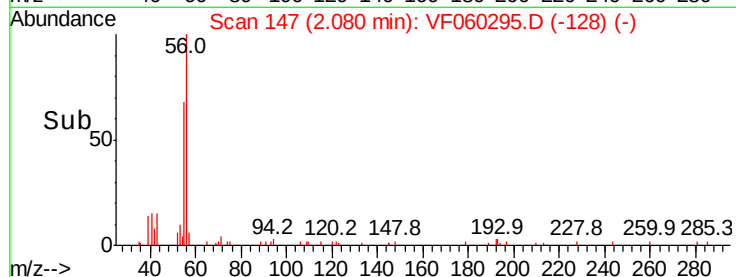
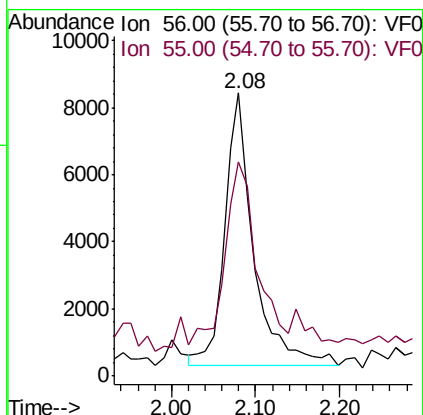
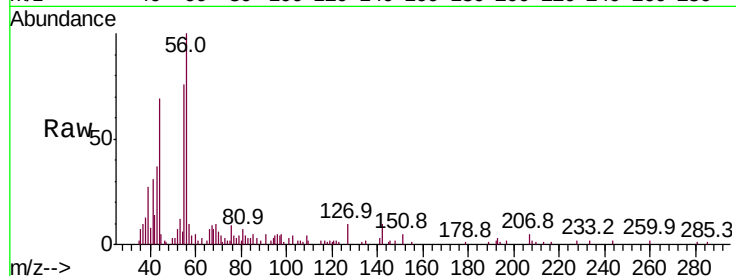




#13
Acrolein
Concen: 313.885 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

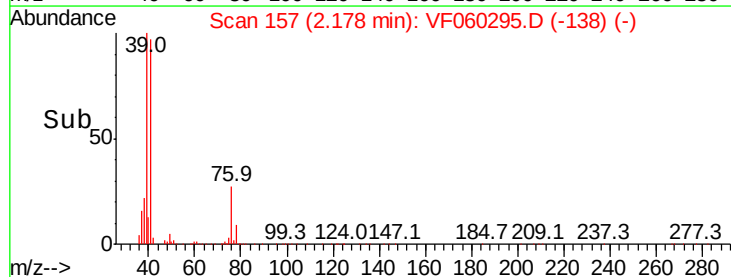
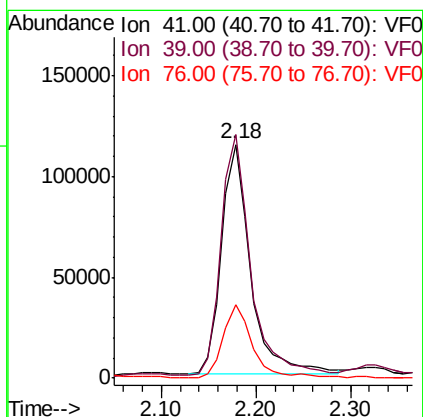
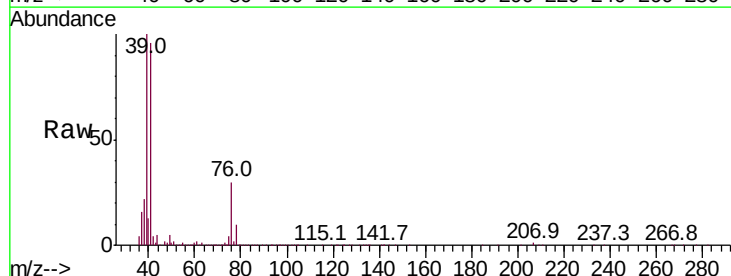
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

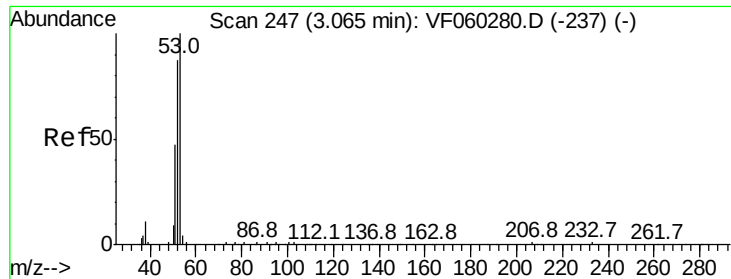
Tot Ion: 56 Resp: 19308
Ion Ratio Lower Upper
56 100
55 75.7 69.9 104.9



#14
Allyl chloride
Concen: 47.481 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 41 Resp: 245777
Ion Ratio Lower Upper
41 100
39 104.2 84.8 127.2
76 31.3 27.4 41.2





#15

Acrylonitrile

Concen: 227.753 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

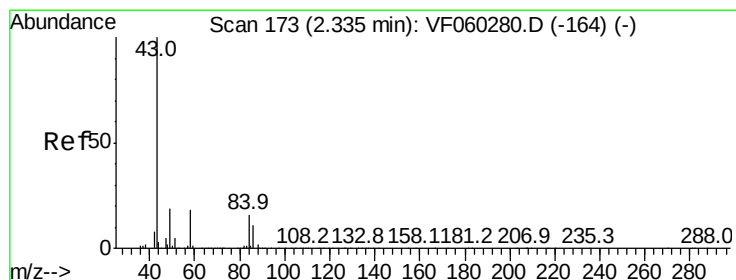
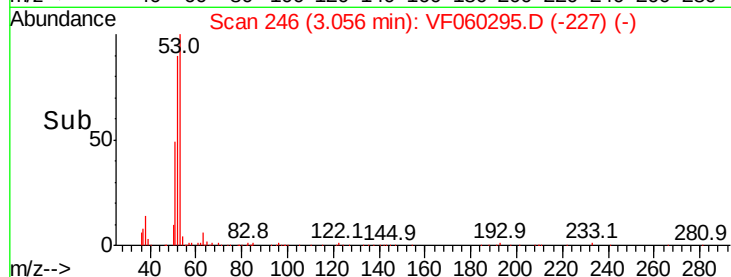
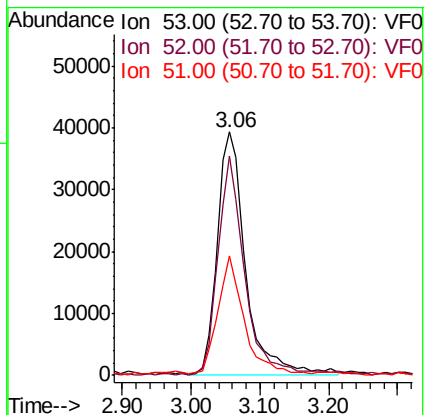
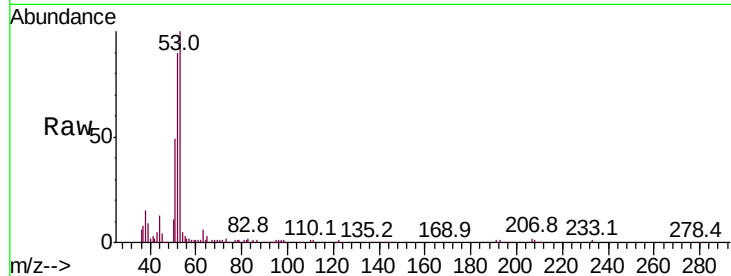
Tot Ion: 53 Resp: 112902

Ion Ratio Lower Upper

53 100

52 89.8 69.5 104.3

51 49.0 38.1 57.1



#16

Acetone

Concen: 298.797 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060295.D

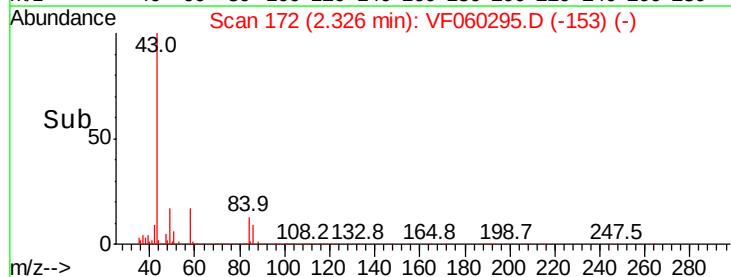
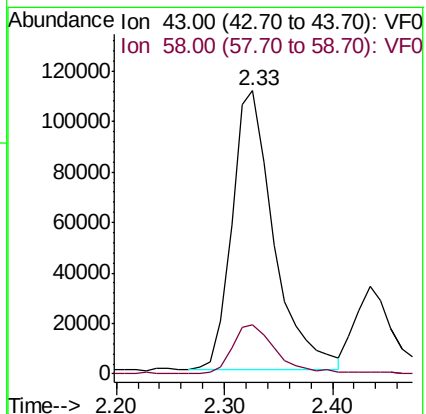
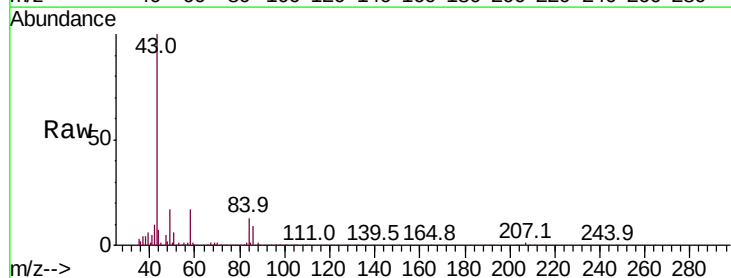
Acq: 20 Sep 2018 10:22

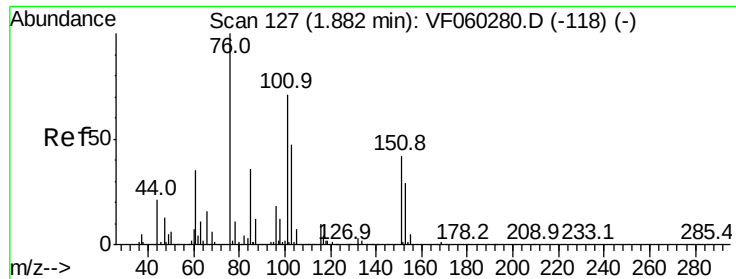
Tgt Ion: 43 Resp: 295352

Ion Ratio Lower Upper

43 100

58 17.3 14.5 21.7





#17

Carbon Disulfide

Concen: 52.950 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

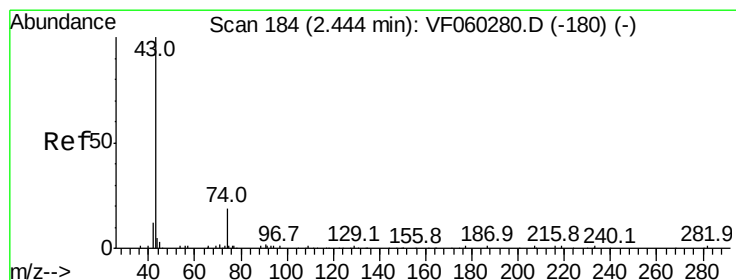
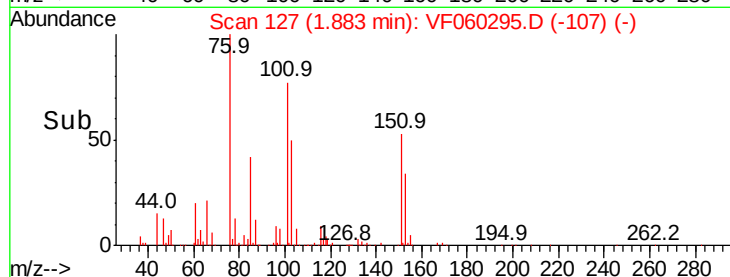
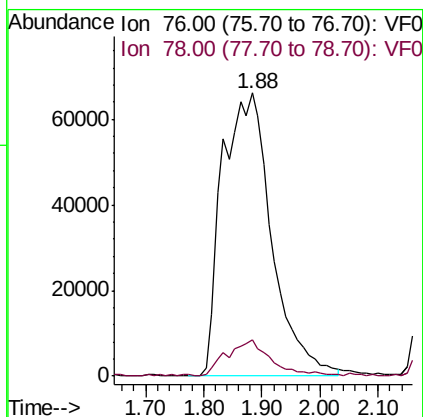
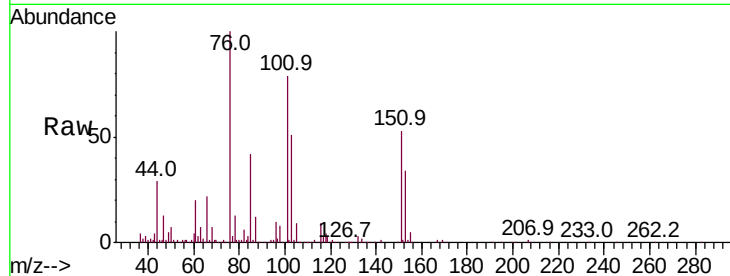
VSTDCCC050

Tot Ion: 76 Resp: 391895

Ion Ratio Lower Upper

76 100

78 13.0 9.4 14.0



#18

Methyl Acetate

Concen: 43.342 ug/l

RT: 2.43 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060295.D

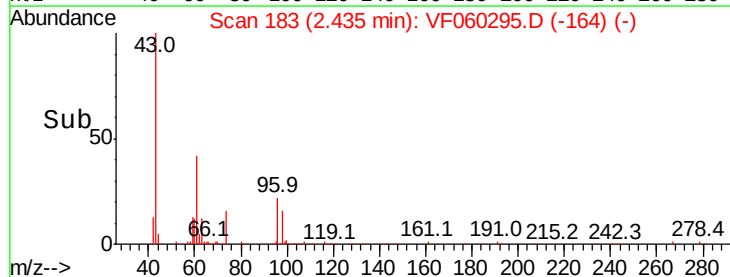
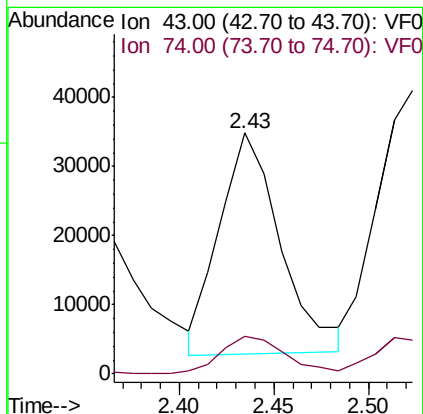
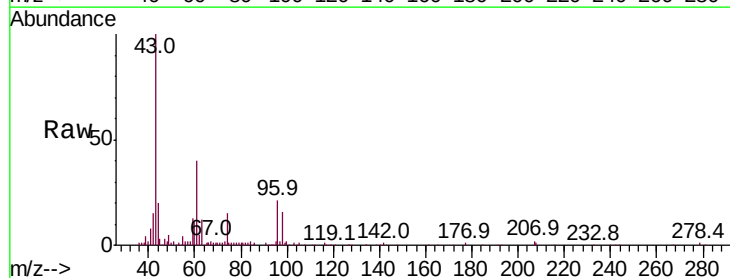
Acq: 20 Sep 2018 10:22

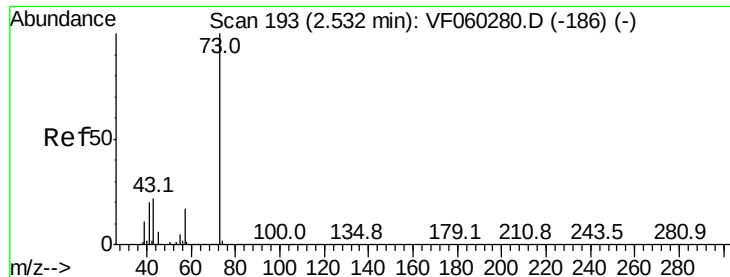
Tgt Ion: 43 Resp: 71371

Ion Ratio Lower Upper

43 100

74 15.5 12.7 19.1



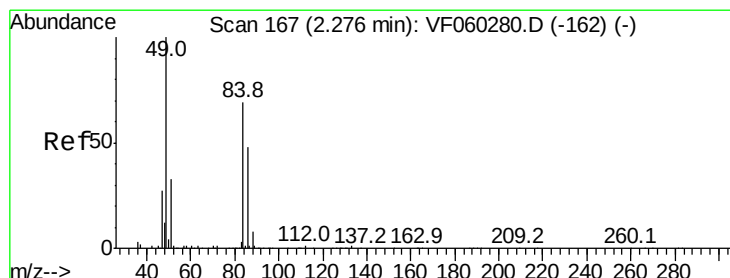
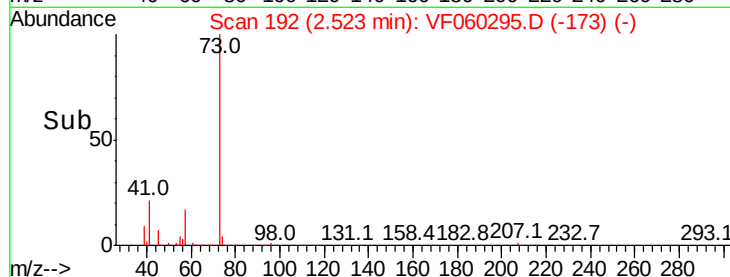
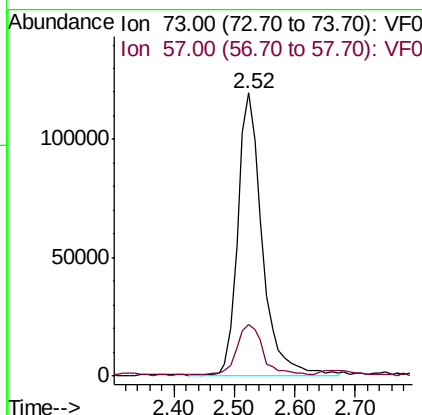
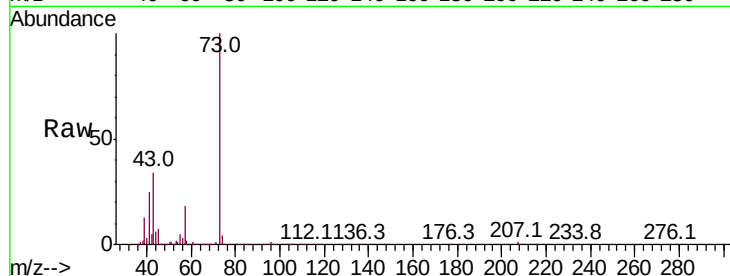


#19

Methyl tert-butyl Ether
 Concen: 45.045 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

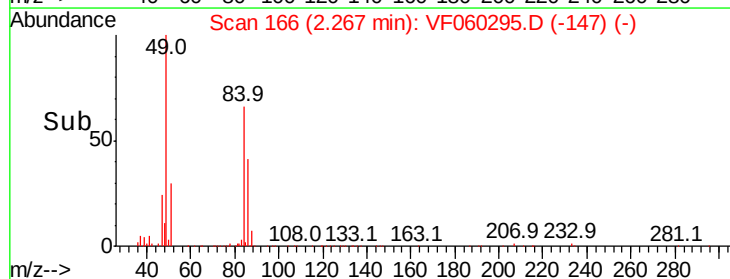
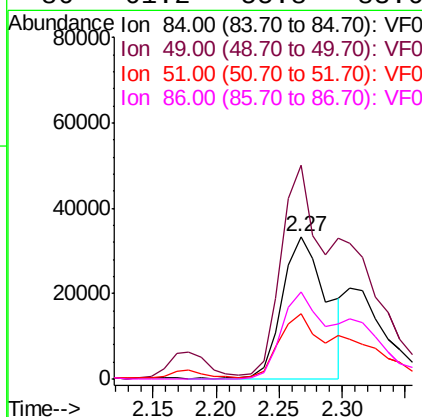
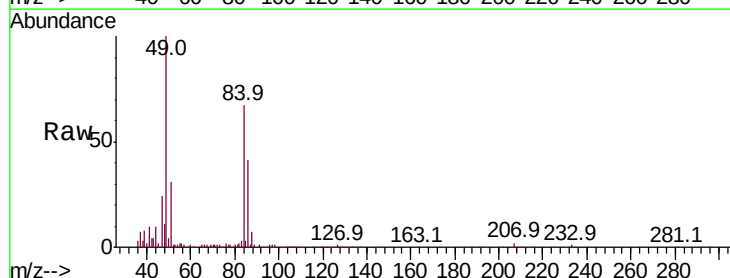
Tot Ion: 73 Resp: 333106
 Ion Ratio Lower Upper
 73 100
 57 18.1 14.5 21.7

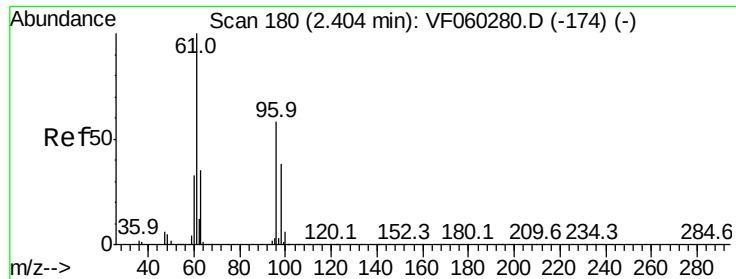


#20

Methylene Chloride
 Concen: 27.732 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion: 84 Resp: 82878
 Ion Ratio Lower Upper
 84 100
 49 149.6 118.3 177.5
 51 46.0 38.7 58.1
 86 61.2 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 44.957 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

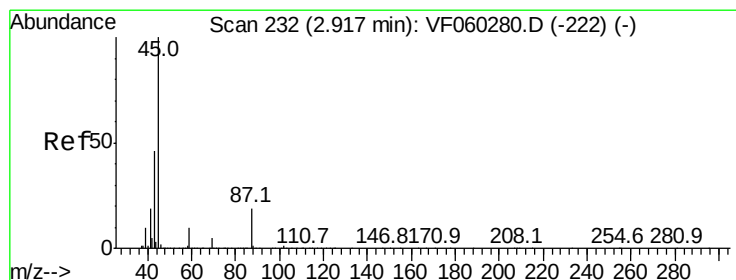
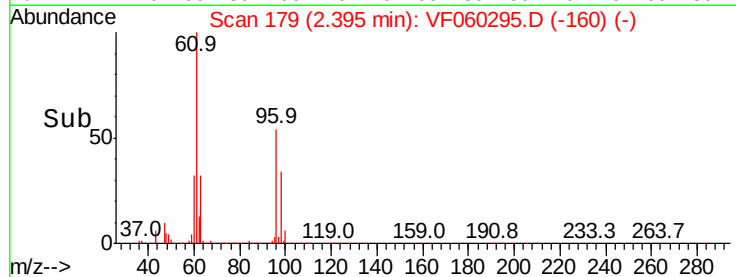
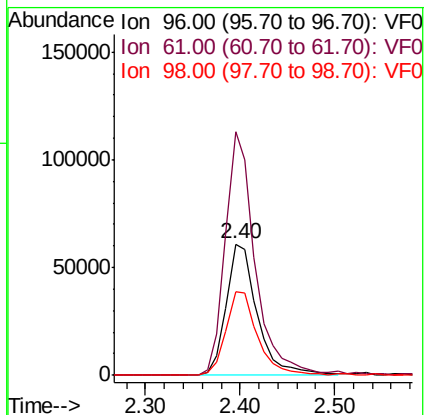
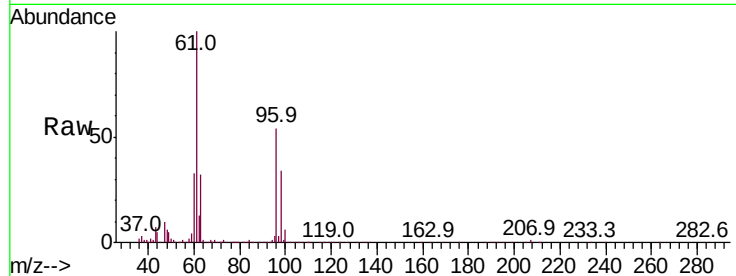
Tot Ion: 96 Resp: 137735

Ion Ratio Lower Upper

96 100

61 185.8 136.4 204.6

98 63.5 51.8 77.6



#22

Diisopropyl ether

Concen: 46.287 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion: 45 Resp: 452061

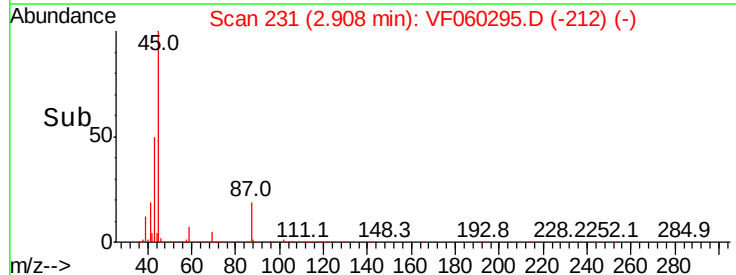
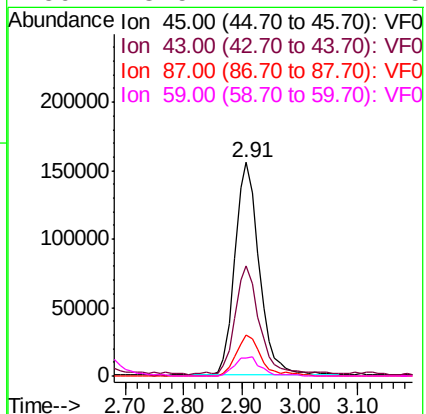
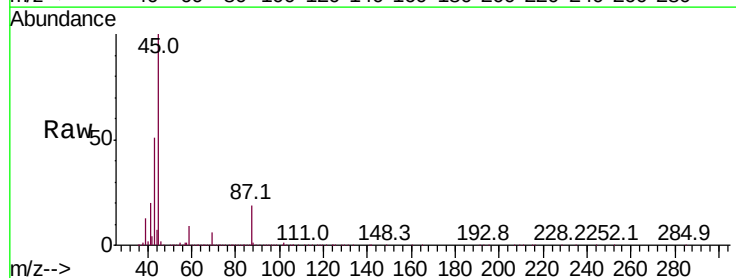
Ion Ratio Lower Upper

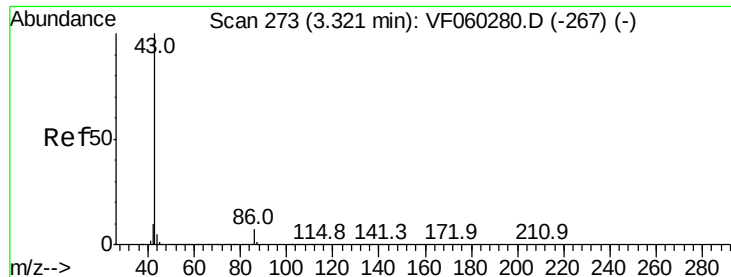
45 100

43 51.5 38.2 57.2

87 19.2 15.5 23.3

59 8.5 7.7 11.5





#23

Vinyl Acetate

Concen: 214.748 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

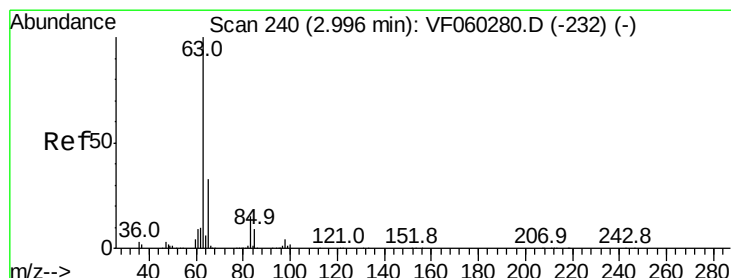
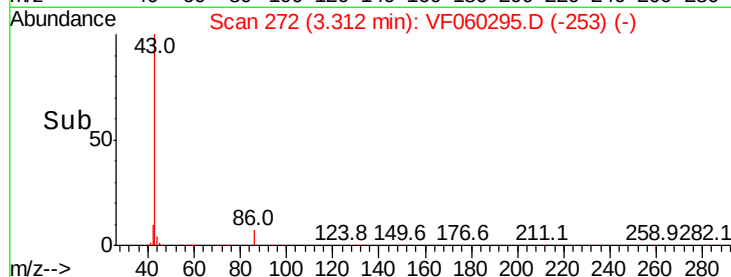
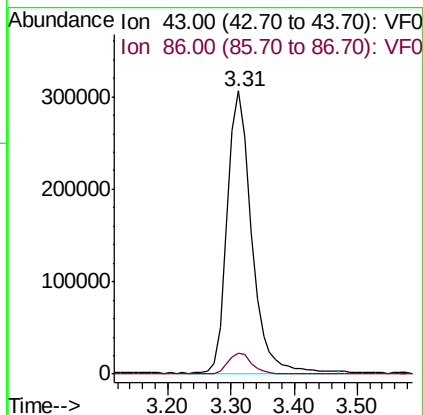
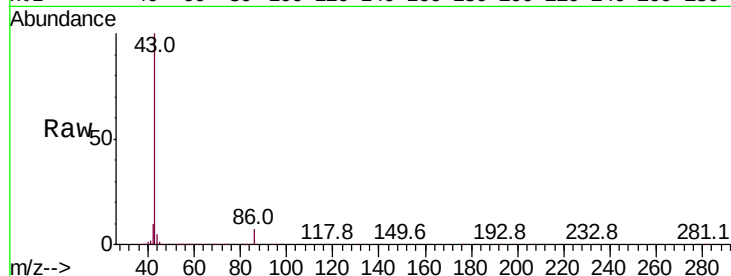
VSTDCCC050

Tot Ion: 43 Resp: 823731

Ion Ratio Lower Upper

43 100

86 7.3 5.9 8.9



#24

1,1-Dichloroethane

Concen: 46.982 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

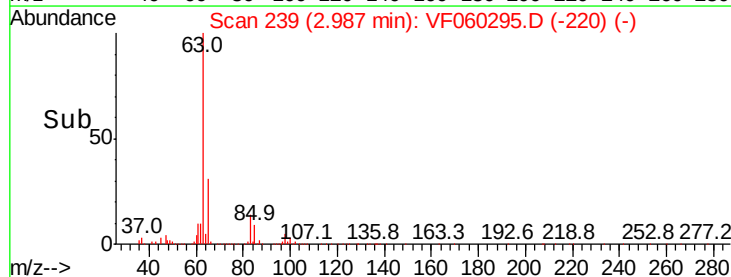
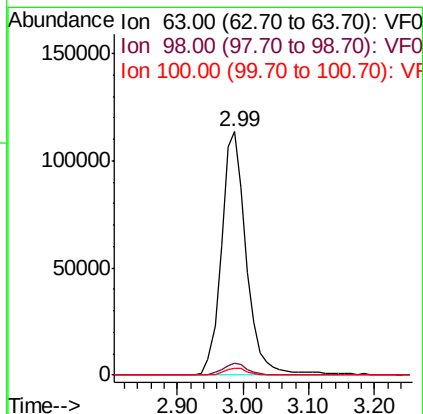
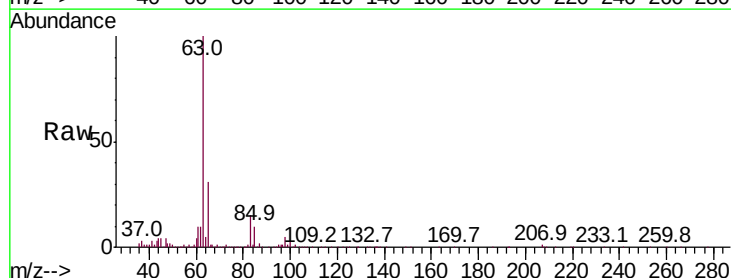
Tgt Ion: 63 Resp: 297579

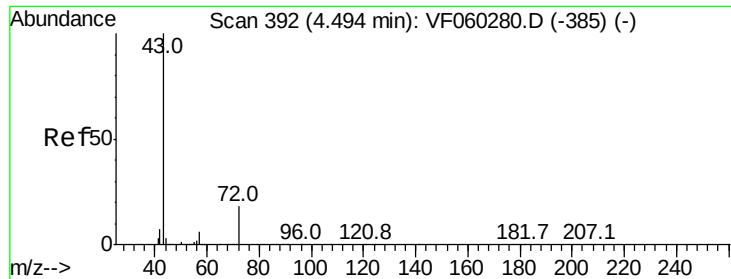
Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.5

100 2.8 1.1 3.3





#25

2-Butanone

Concen: 255.214 ug/l

RT: 4.48 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

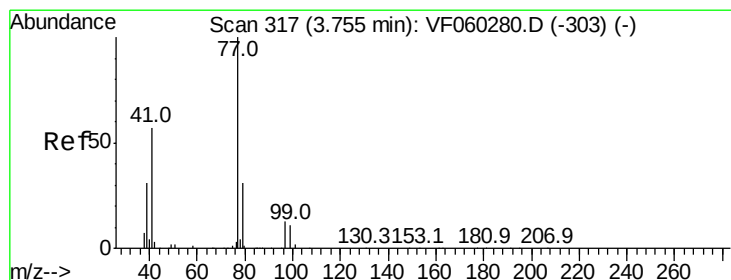
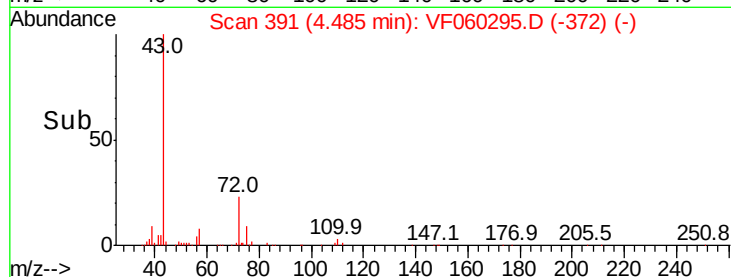
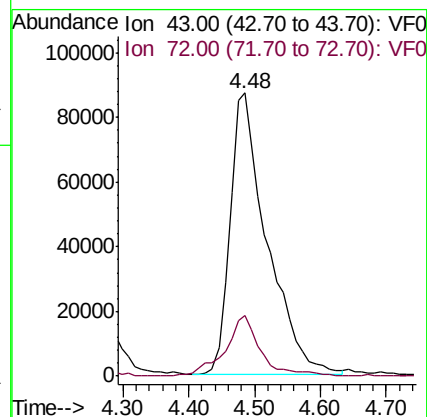
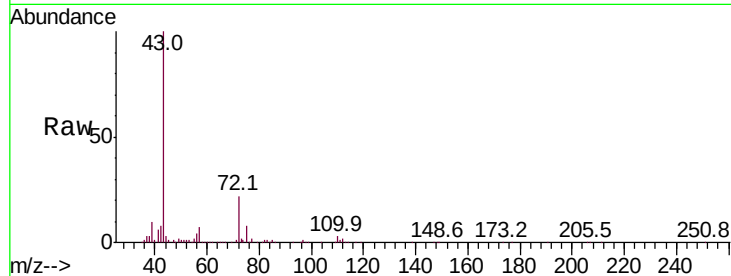
VSTDCCC050

Tot Ion: 43 Resp: 339556

Ion Ratio Lower Upper

43 100

72 21.6 16.2 24.2



#26

2,2-Dichloropropane

Concen: 48.400 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060295.D

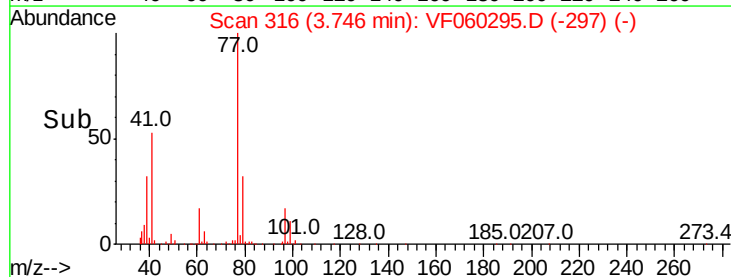
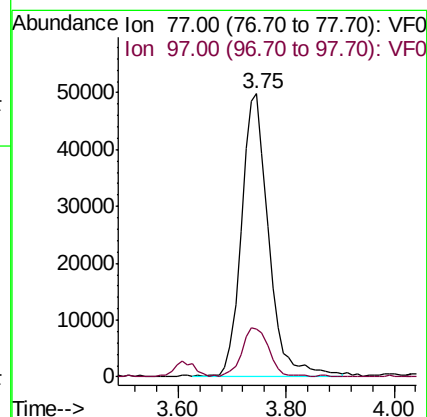
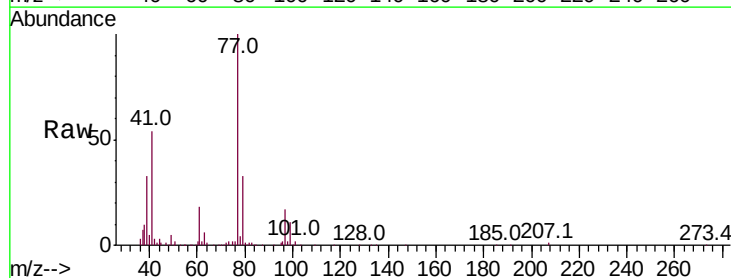
Acq: 20 Sep 2018 10:22

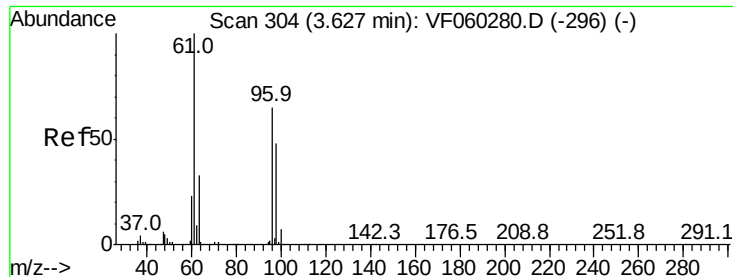
Tgt Ion: 77 Resp: 174918

Ion Ratio Lower Upper

77 100

97 16.9 9.3 27.9





#27

cis-1,2-Dichloroethene

Concen: 45.175 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

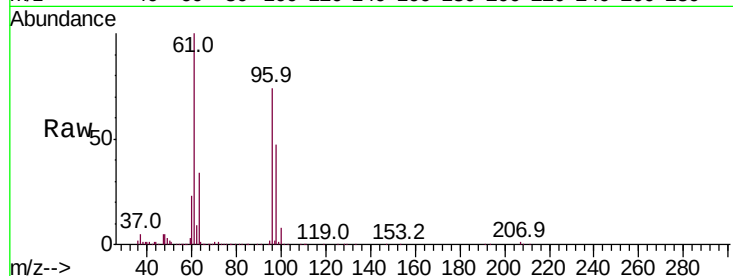
Tot Ion: 96 Resp: 181824

Ion Ratio Lower Upper

96 100

61 135.7 0.0 304.8

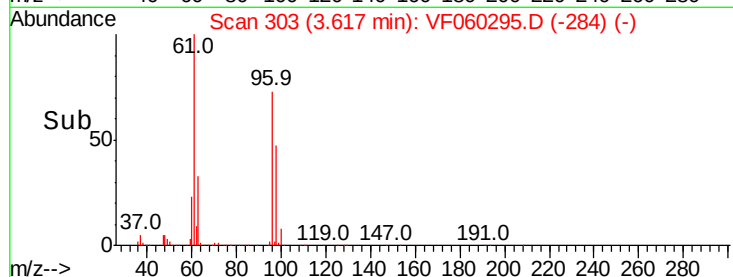
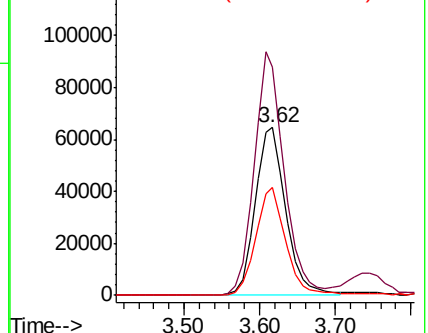
98 64.4 0.0 146.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: 44.565 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

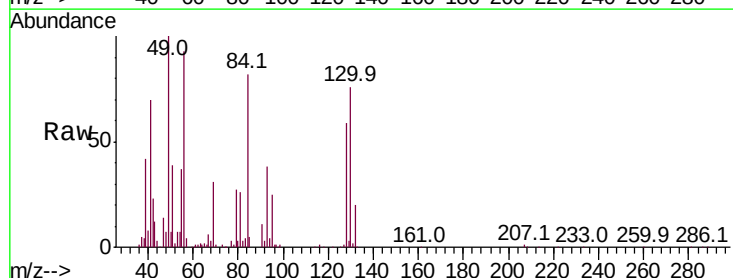
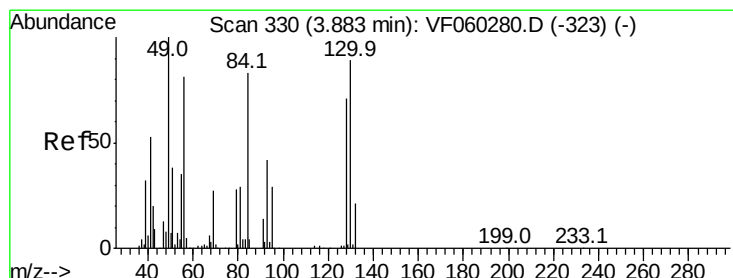
Tgt Ion: 49 Resp: 109898

Ion Ratio Lower Upper

49 100

129 3.2 0.0 4.2

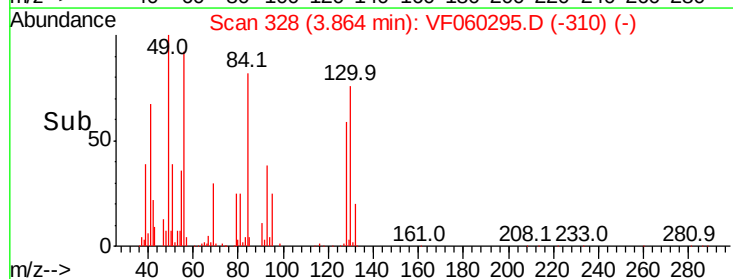
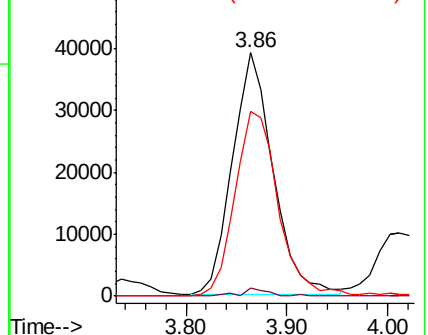
130 76.1 70.3 105.5

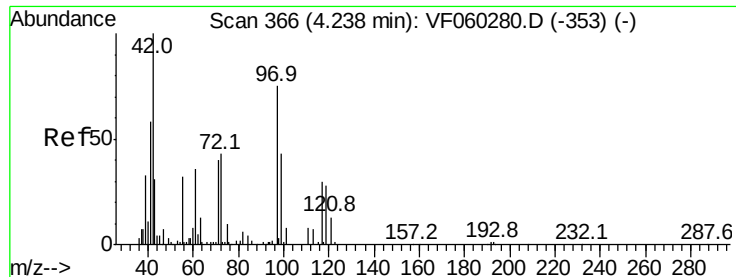


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 219.624 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

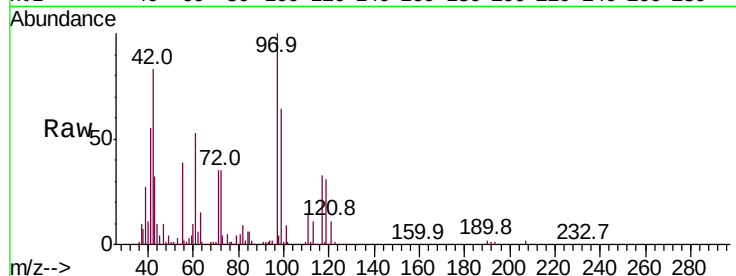
Tot Ion: 42 Resp: 107006

Ion Ratio Lower Upper

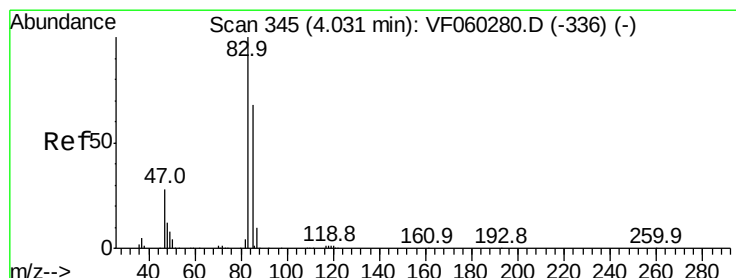
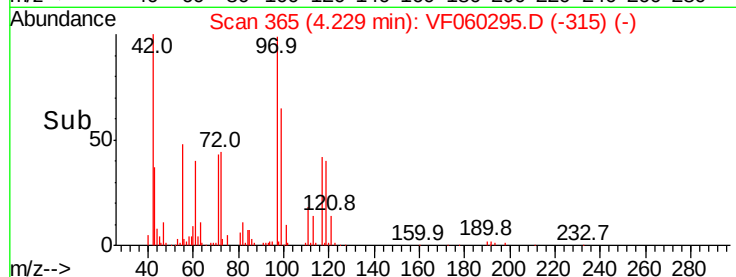
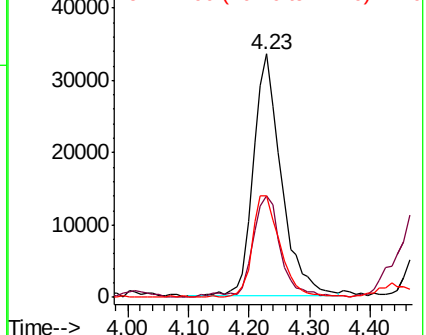
42 100

72 40.6 32.6 49.0

71 42.4 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: 45.421 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.02 min

Lab File: VF060295.D

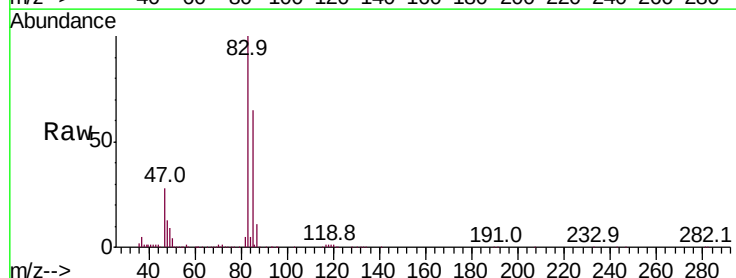
Acq: 20 Sep 2018 10:22

Tgt Ion: 83 Resp: 347130

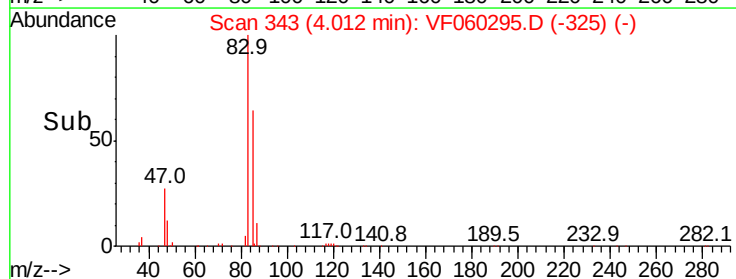
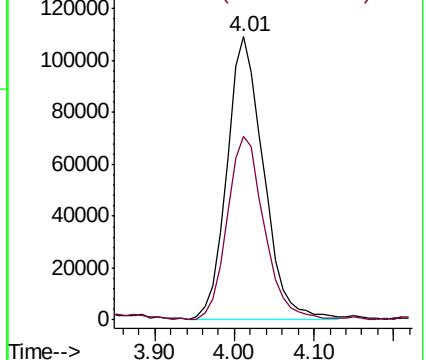
Ion Ratio Lower Upper

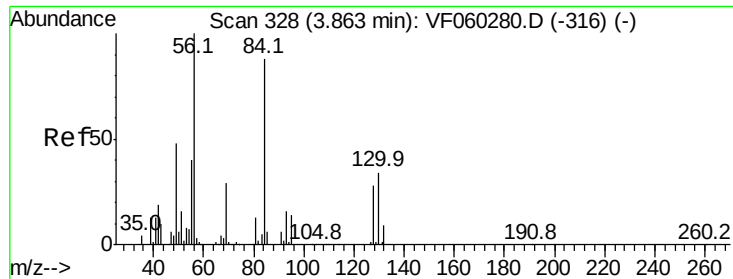
83 100

85 64.8 54.9 82.3



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

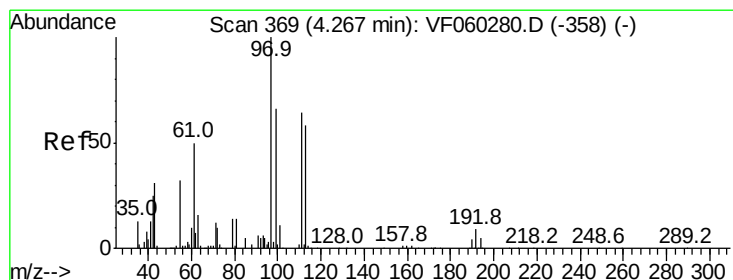
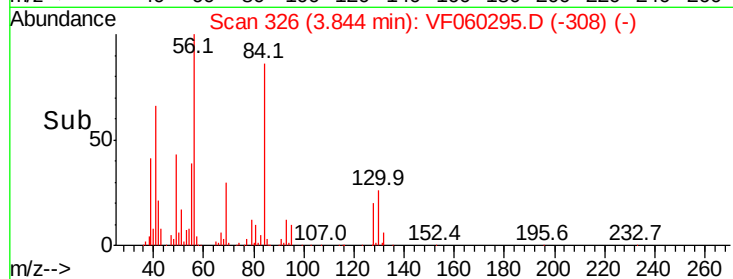
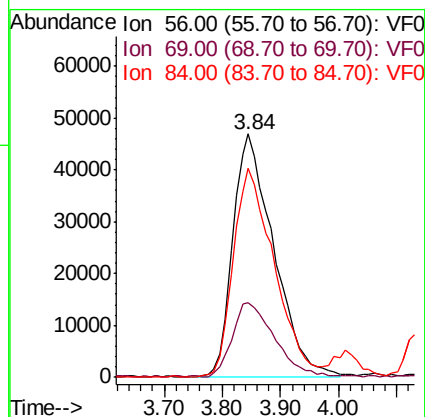
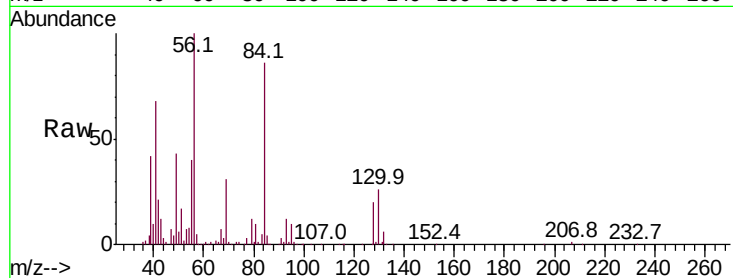




#31
Cyclohexane
Concen: 42.946 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

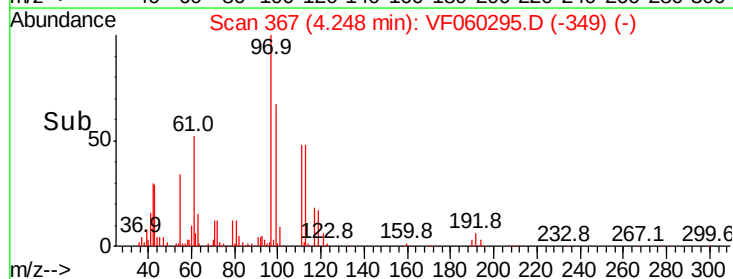
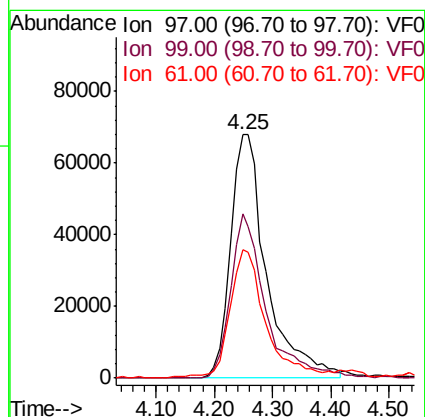
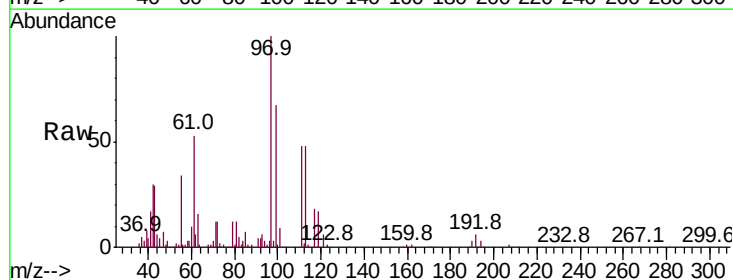
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

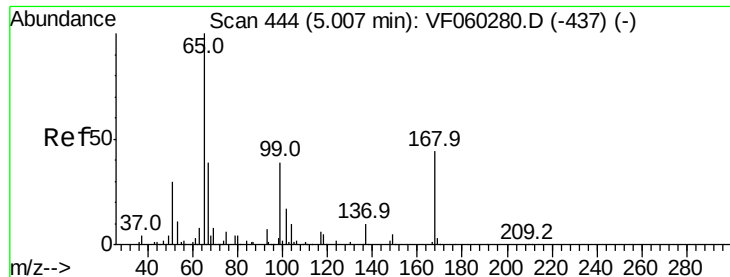
Tot Ion: 56 Resp: 229765
Ion Ratio Lower Upper
56 100
69 30.6 23.8 35.6
84 85.9 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 48.605 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 97 Resp: 293109
Ion Ratio Lower Upper
97 100
99 67.3 53.0 79.4
61 52.7 40.6 61.0

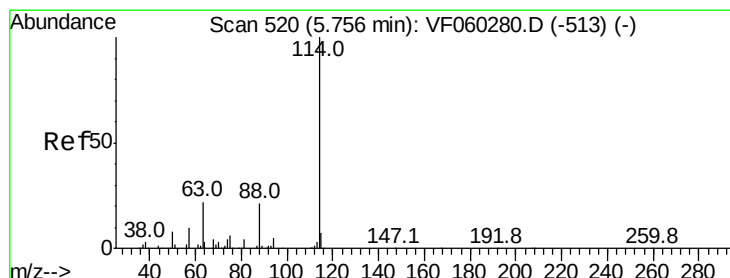
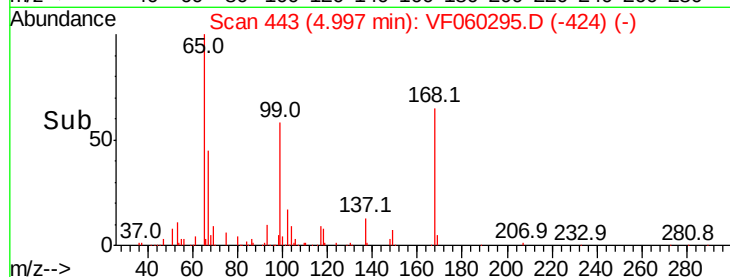
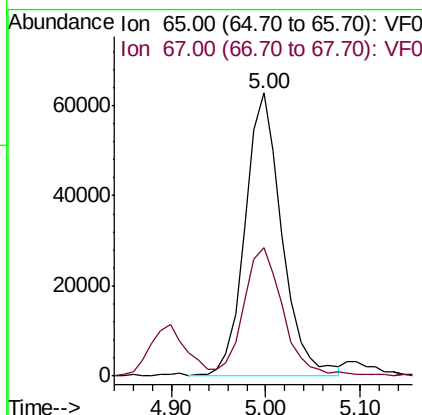
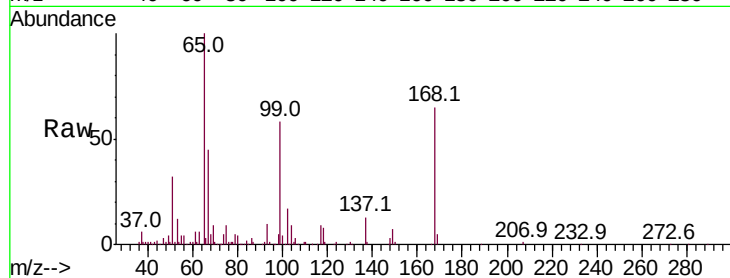




#33
 1,2-Dichloroethane-d4
 Concen: 48.420 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

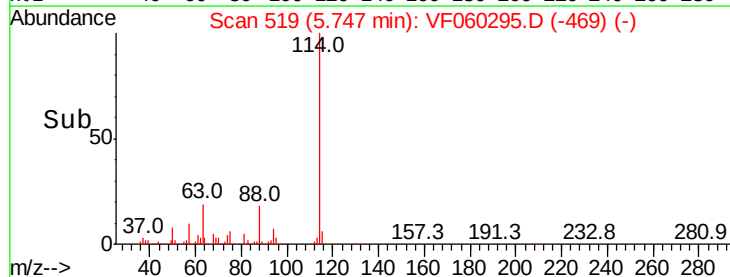
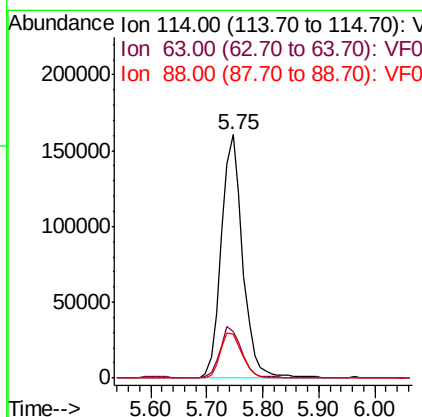
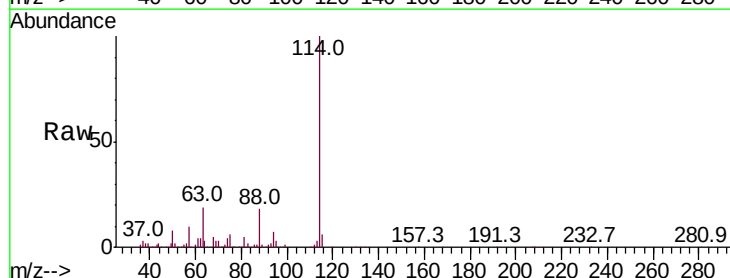
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

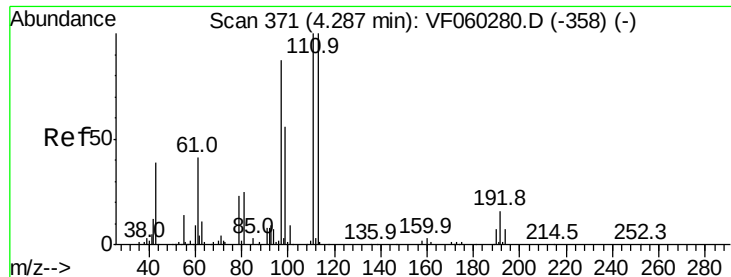
Tot Ion: 65 Resp: 169952
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion:114 Resp: 428037
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.8
 88 18.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 47.891 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

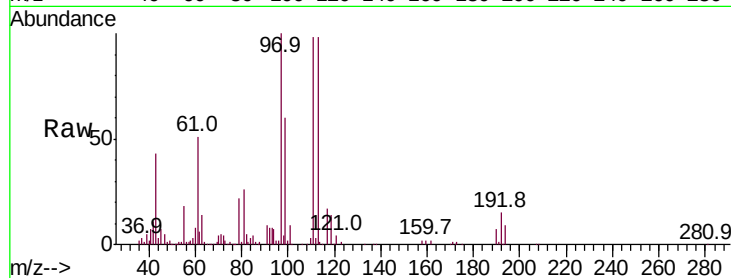
Tot Ion:113 Resp: 182735

Ion Ratio Lower Upper

113 100

111 100.9 79.6 119.4

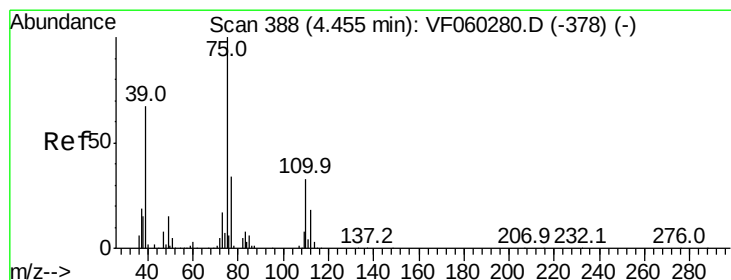
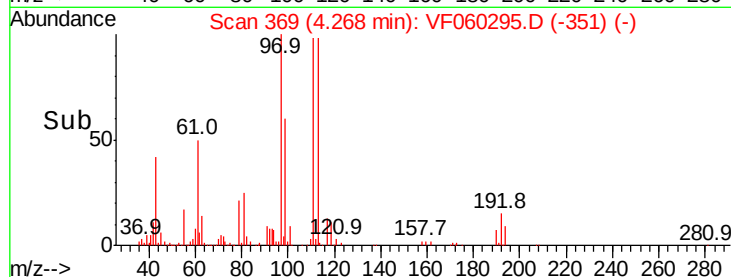
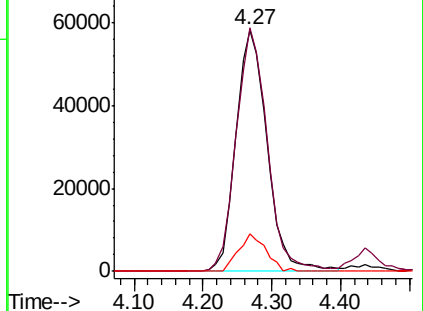
192 15.7 13.0 19.6



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: 47.032 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

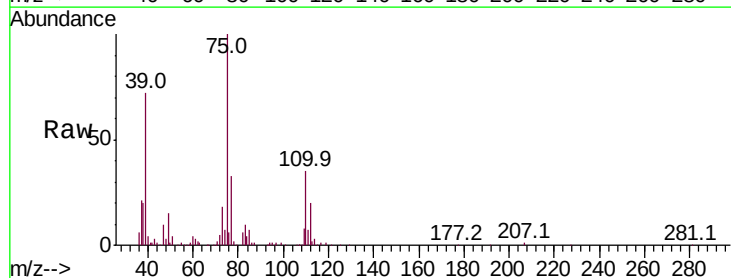
Tgt Ion: 75 Resp: 251111

Ion Ratio Lower Upper

75 100

110 34.7 16.4 49.2

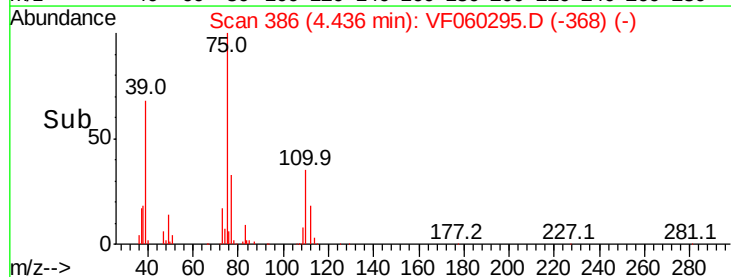
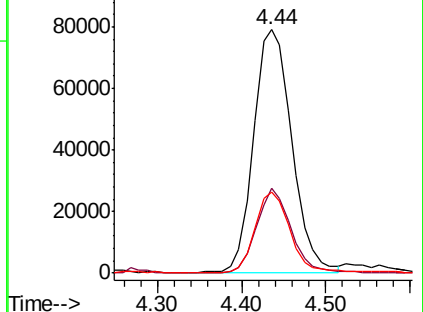
77 33.1 27.3 40.9

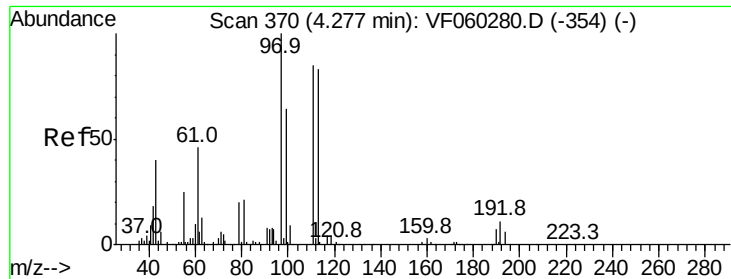


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

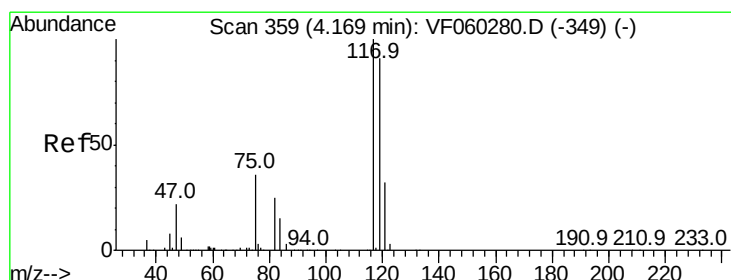
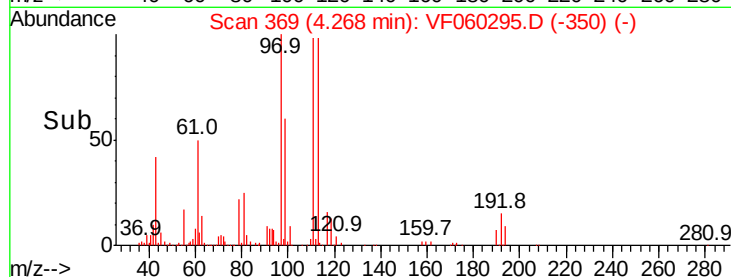
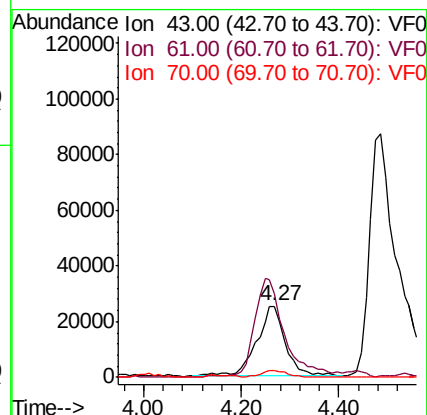
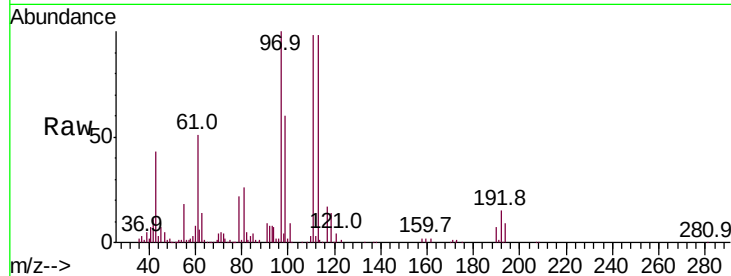




#37
Ethyl Acetate
Concen: 45.590 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

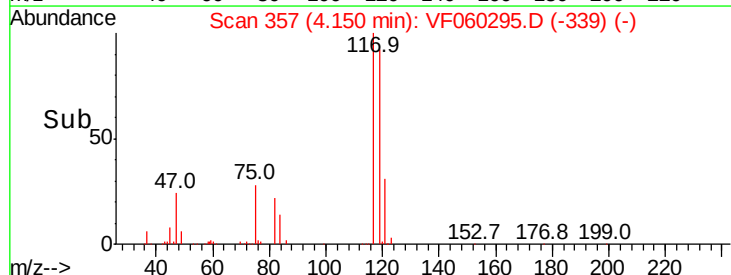
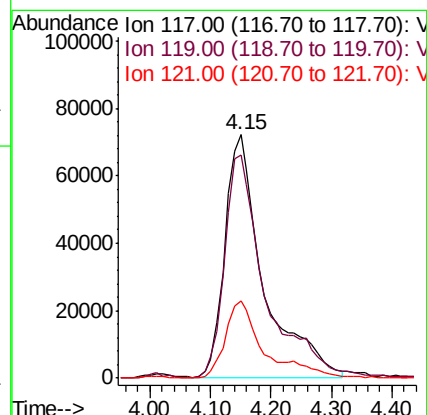
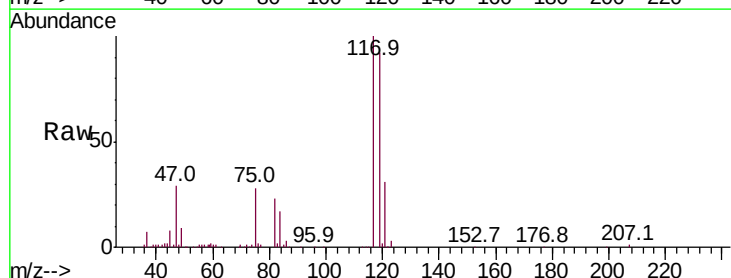
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

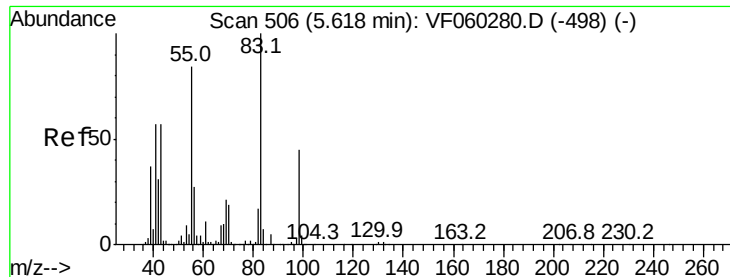
Tot Ion	Ratio	Lower	Upper
43	100		
61	118.0	91.1	136.7
70	9.1	6.9	10.3



#38
Carbon Tetrachloride
Concen: 55.836 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	73.0	109.6
121	31.5	25.4	38.2

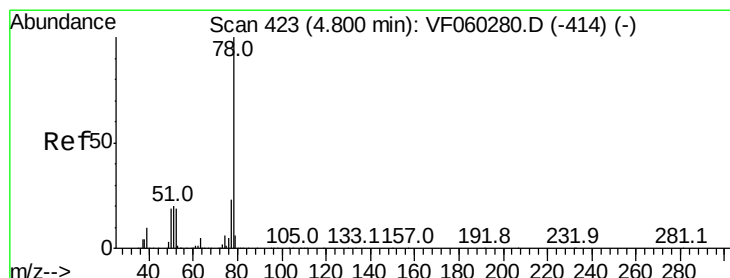
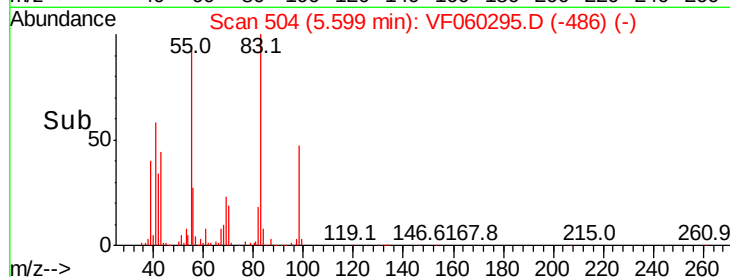
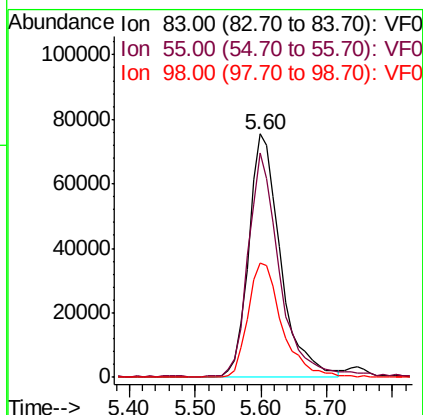
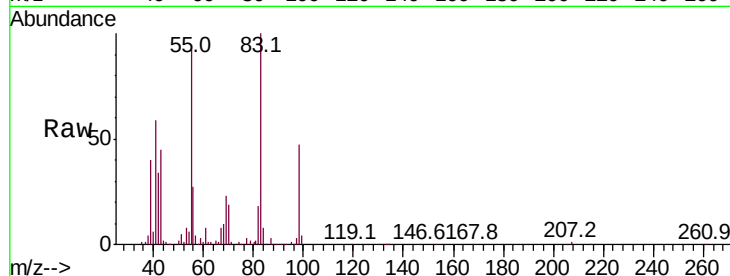




#39
Methylcyclohexane
Concen: 44.391 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

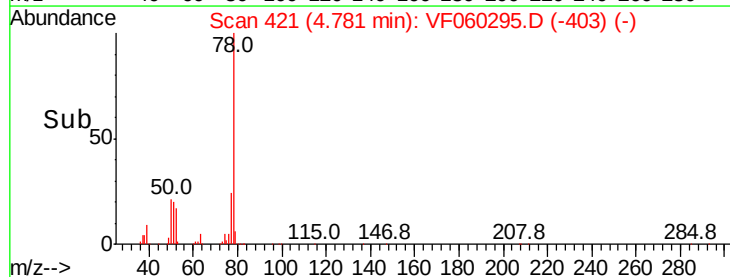
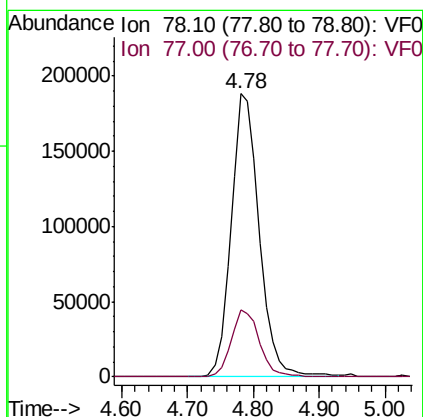
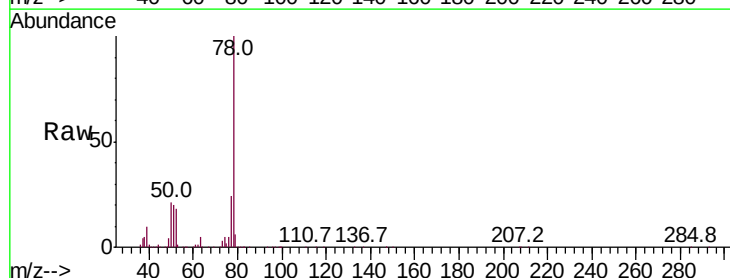
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

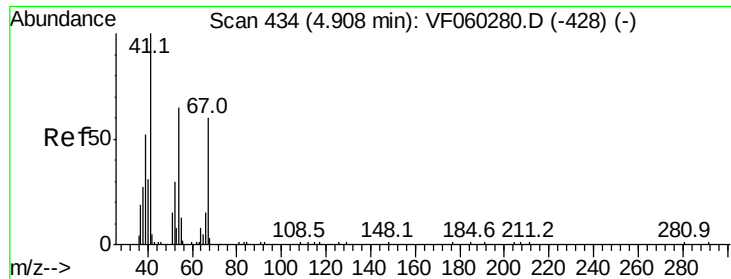
Tot Ion: 83 Resp: 256876
Ion Ratio Lower Upper
83 100
55 92.1 67.3 100.9
98 47.2 36.1 54.1



#40
Benzene
Concen: 46.463 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 78 Resp: 562505
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6





#41

Methacrylonitrile

Concen: 46.184 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56615

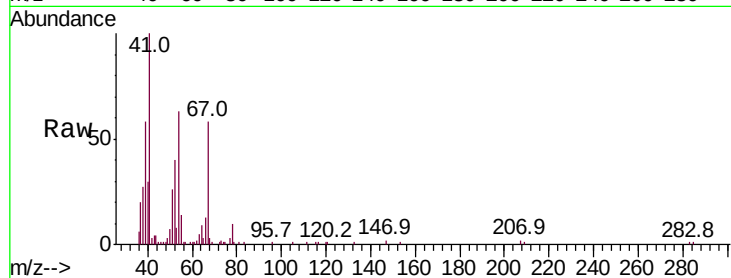
Ion Ratio Lower Upper

41 100

39 58.1 49.1 73.7

67 57.9 48.2 72.4

52 39.5 35.8 53.8

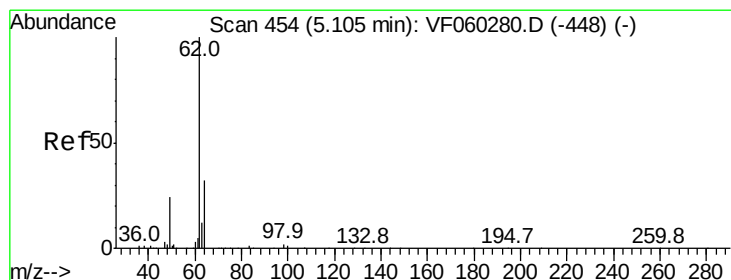
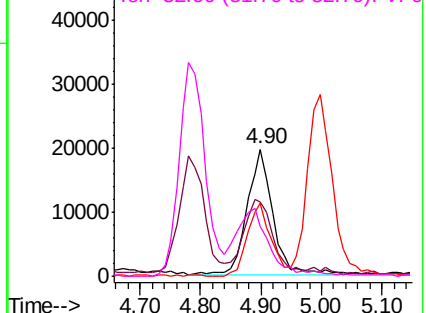
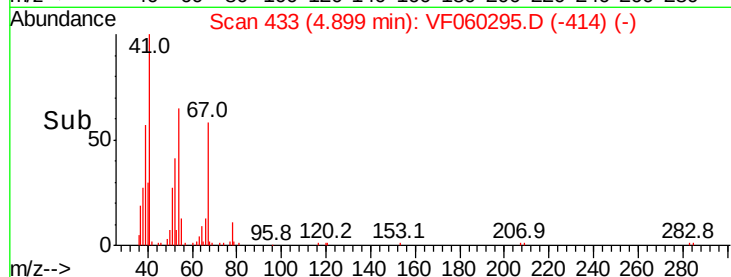


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 48.223 ug/l

RT: 5.10 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF060295.D

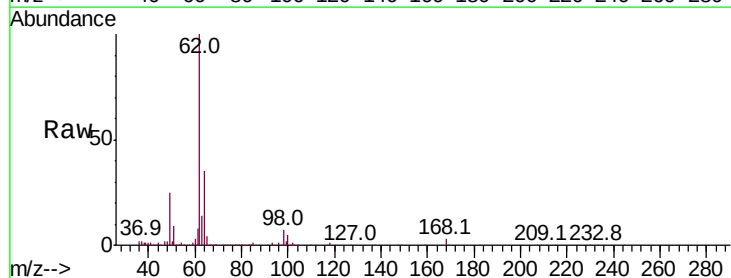
Acq: 20 Sep 2018 10:22

Tgt Ion: 62 Resp: 214888

Ion Ratio Lower Upper

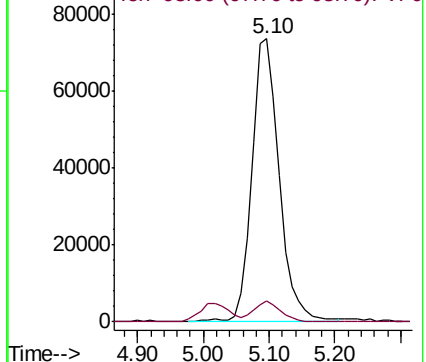
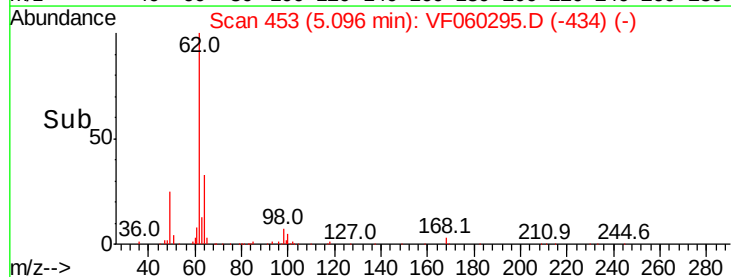
62 100

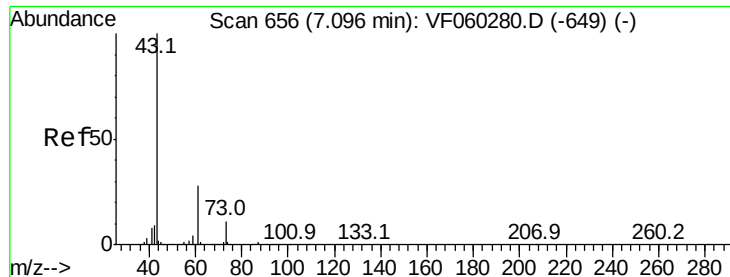
98 7.3 0.0 14.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 43.398 ug/l

RT: 7.09 min Scan# 655

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

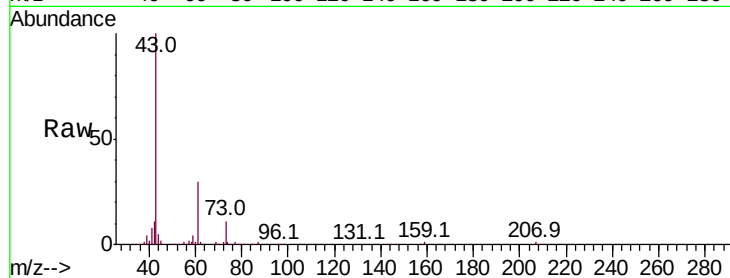
Tot Ion: 43 Resp: 118031

Ion Ratio Lower Upper

43 100

61 30.0 22.4 33.6

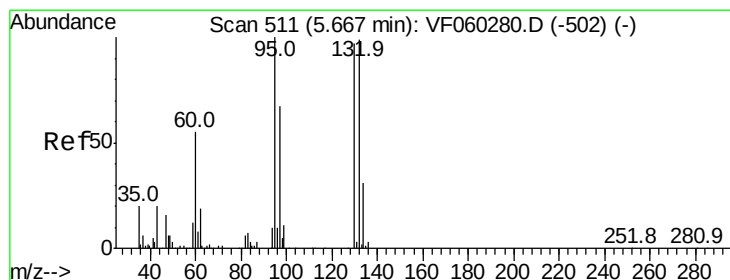
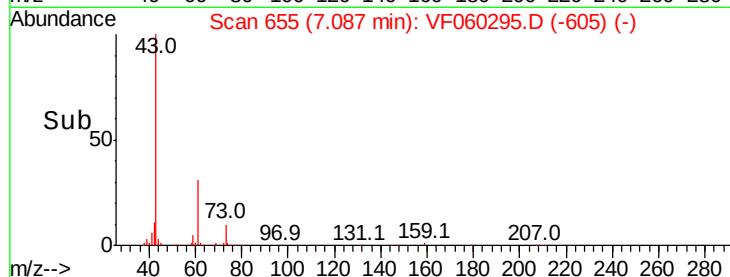
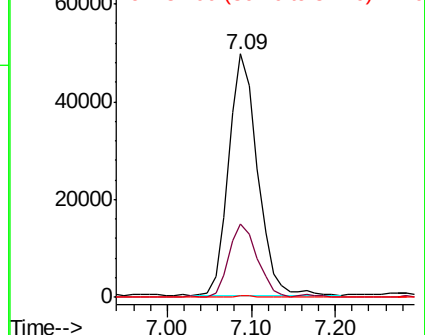
87 0.6 0.6 0.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 45.704 ug/l

RT: 5.65 min Scan# 509

Delta R.T. -0.02 min

Lab File: VF060295.D

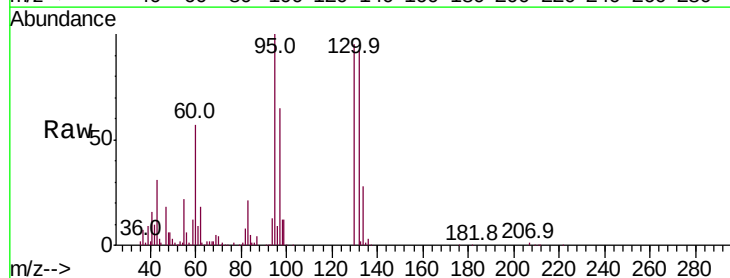
Acq: 20 Sep 2018 10:22

Tgt Ion:130 Resp: 164670

Ion Ratio Lower Upper

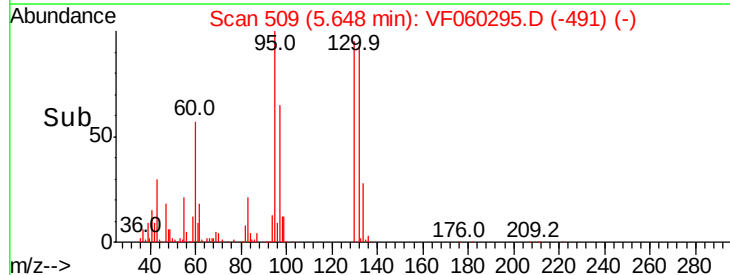
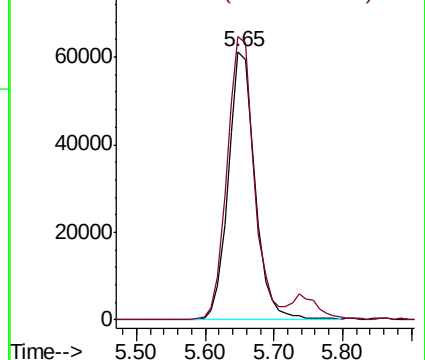
130 100

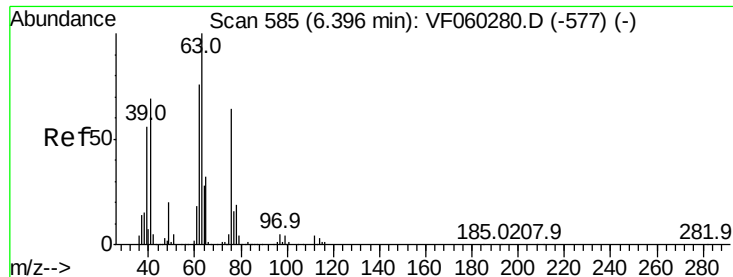
95 105.5 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.995 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

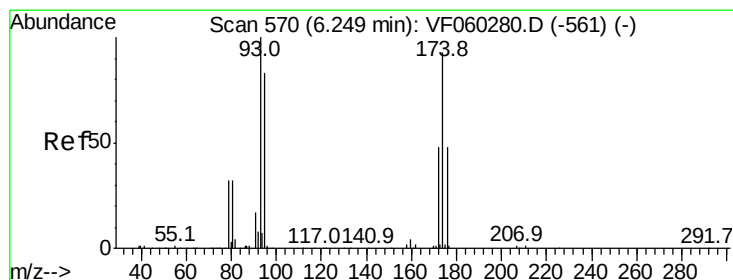
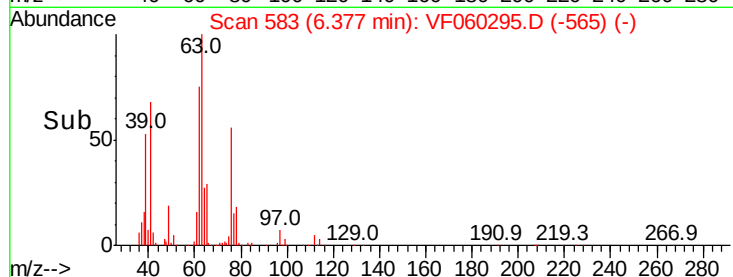
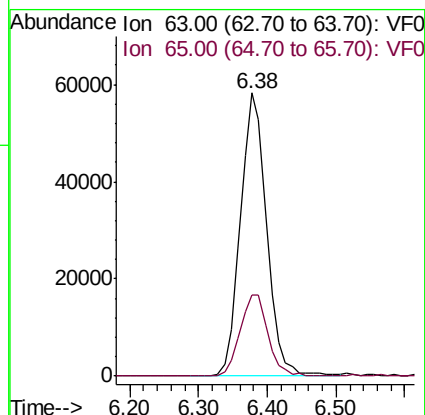
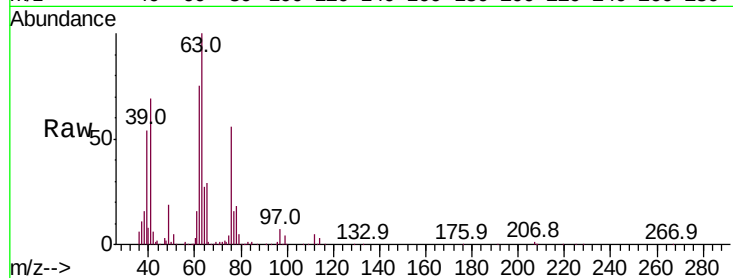
VSTDCCC050

Tot Ion: 63 Resp: 153511

Ion Ratio Lower Upper

63 100

65 28.7 26.2 39.4



#46

Dibromomethane

Concen: 48.670 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

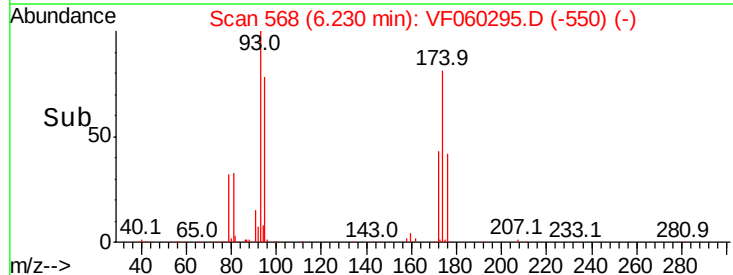
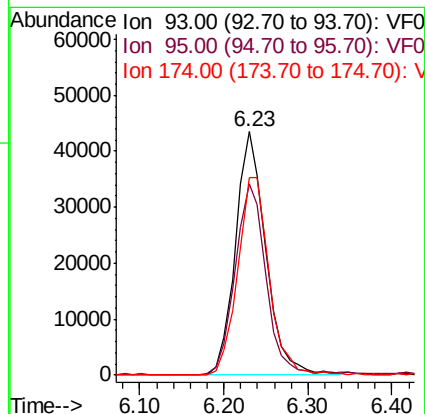
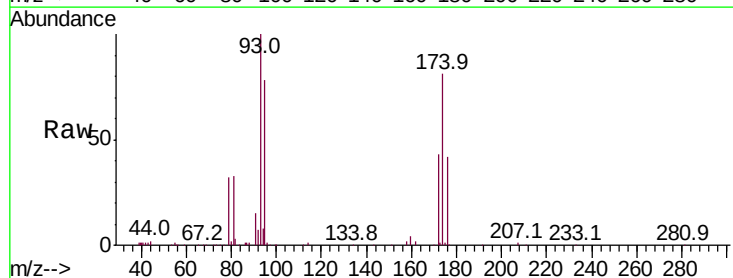
Tgt Ion: 93 Resp: 109004

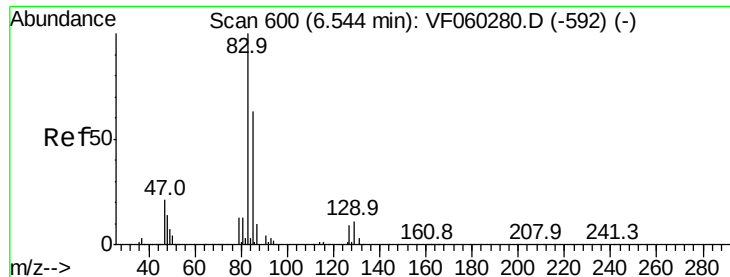
Ion Ratio Lower Upper

93 100

95 78.5 67.0 100.6

174 80.9 74.8 112.2





#47

Bromodichloromethane

Concen: 49.681 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

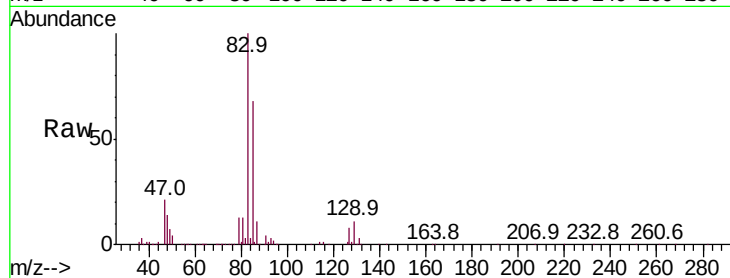
Tot Ion: 83 Resp: 267394

Ion Ratio Lower Upper

83 100

85 67.8 50.6 76.0

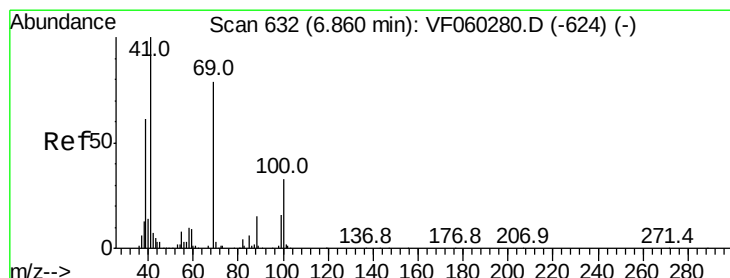
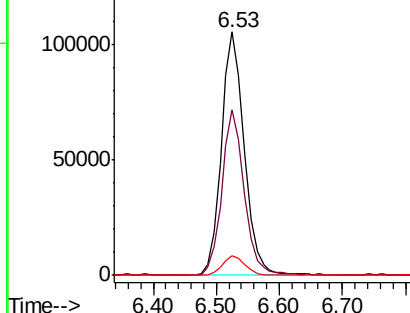
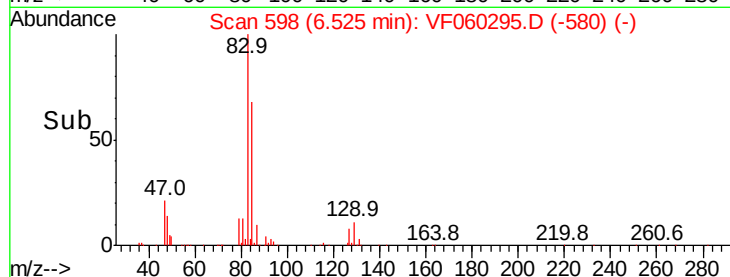
127 7.9 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 43.901 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

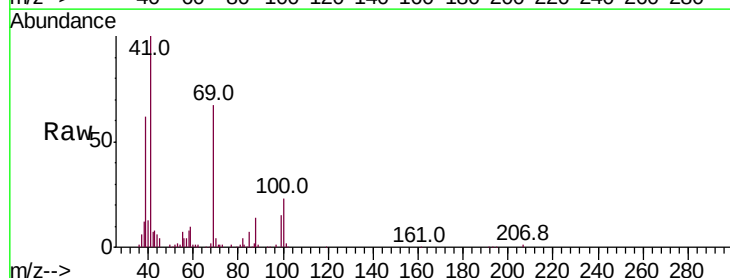
Tgt Ion: 41 Resp: 83814

Ion Ratio Lower Upper

41 100

69 67.4 62.6 94.0

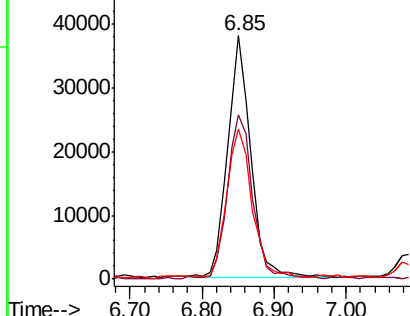
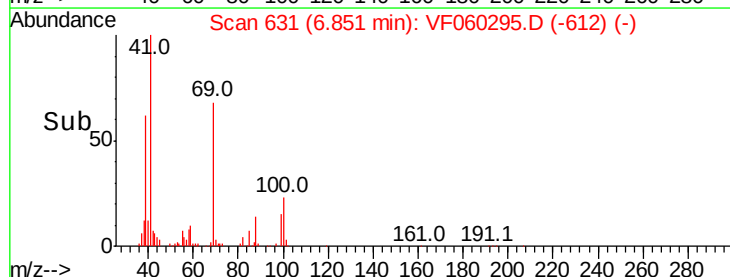
39 61.9 49.1 73.7

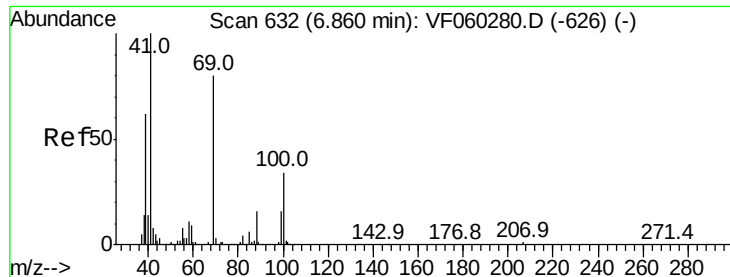


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 951.497 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

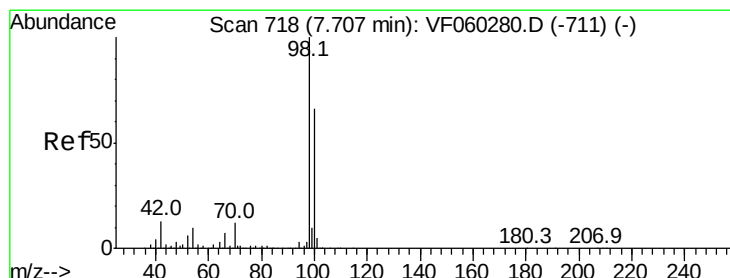
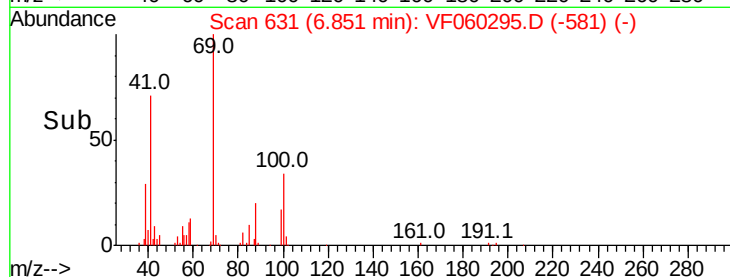
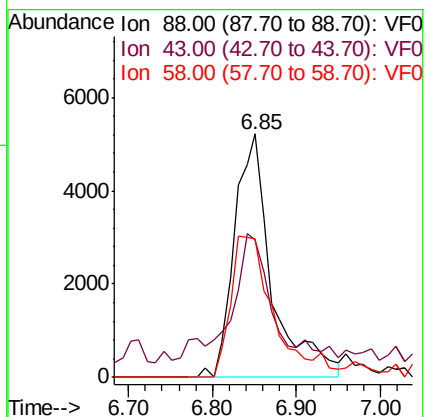
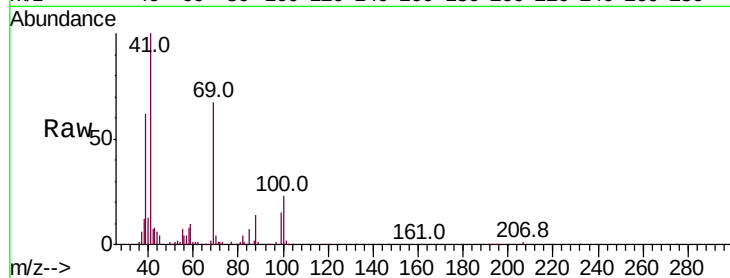
Tot Ion: 88 Resp: 16229

Ion Ratio Lower Upper

88 100

43 56.3 40.2 60.4

58 56.8 56.7 85.1



#50

Toluene-d8

Concen: 50.041 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060295.D

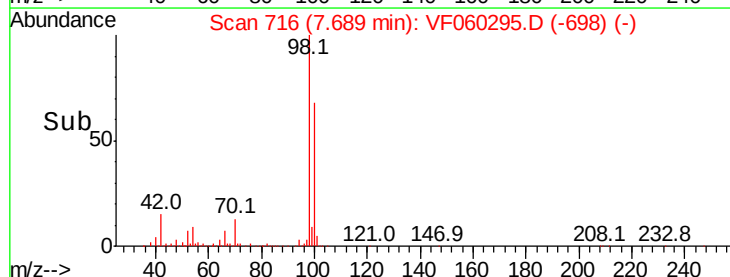
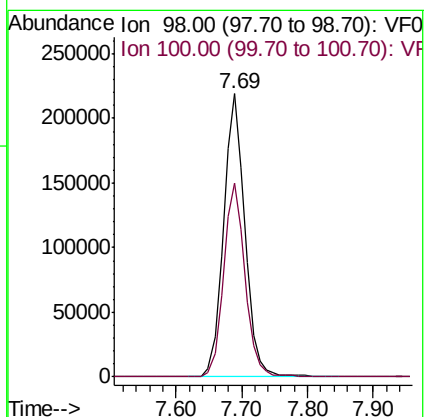
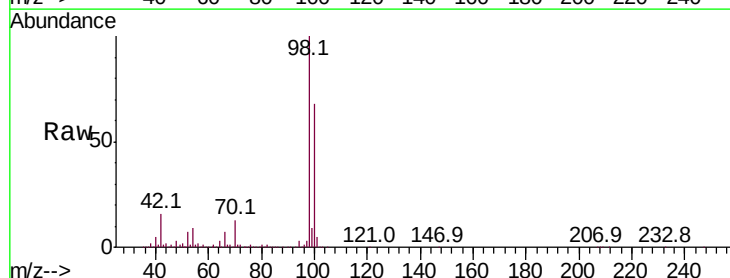
Acq: 20 Sep 2018 10:22

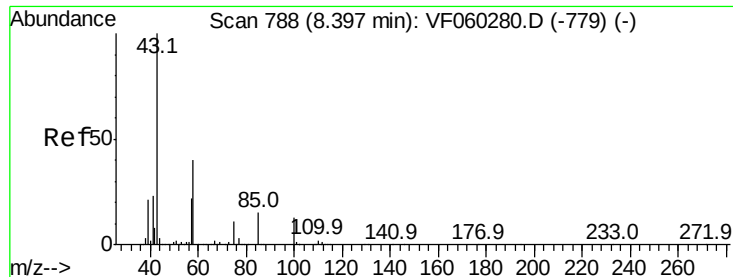
Tgt Ion: 98 Resp: 497246

Ion Ratio Lower Upper

98 100

100 68.5 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 249.461 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

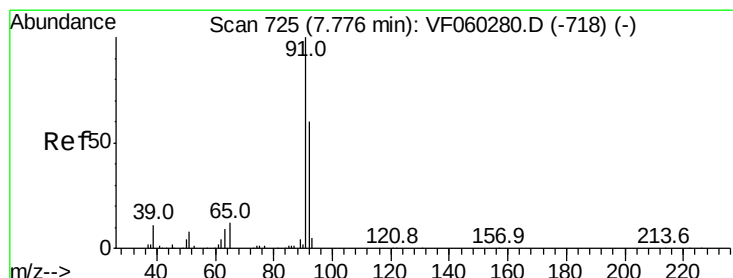
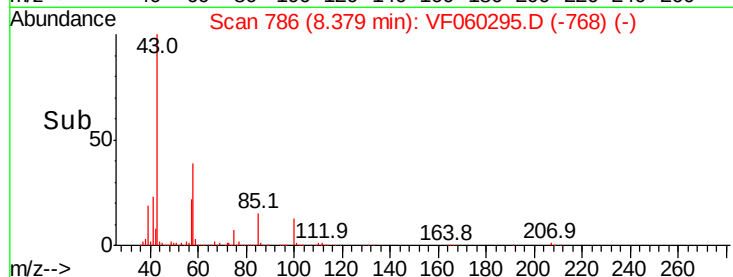
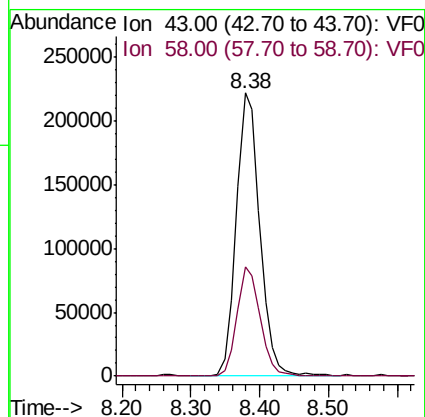
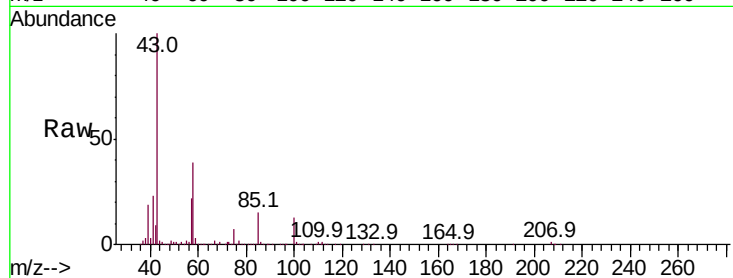
VSTDCCC050

Tot Ion: 43 Resp: 522916

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8



#52

Toluene

Concen: 46.884 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060295.D

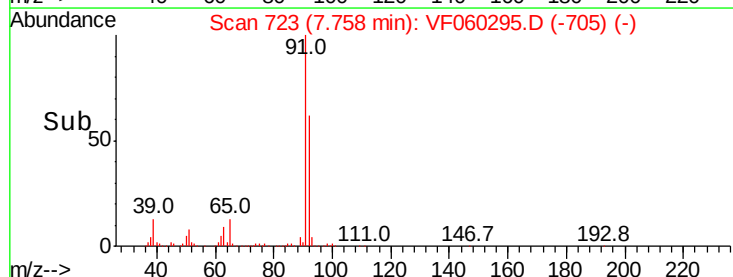
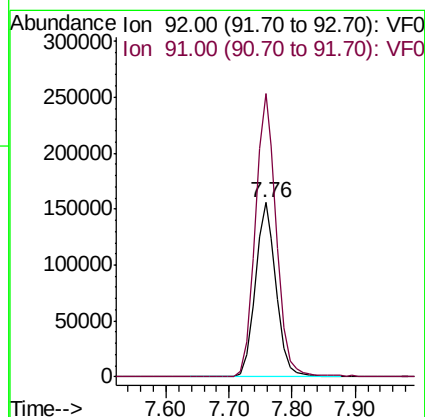
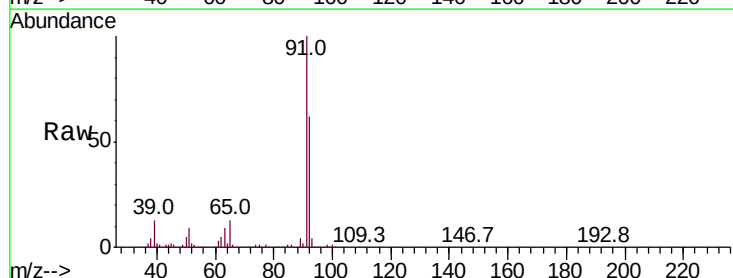
Acq: 20 Sep 2018 10:22

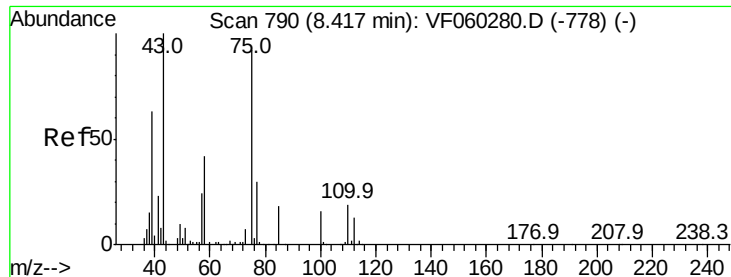
Tgt Ion: 92 Resp: 359079

Ion Ratio Lower Upper

92 100

91 162.4 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 47.568 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

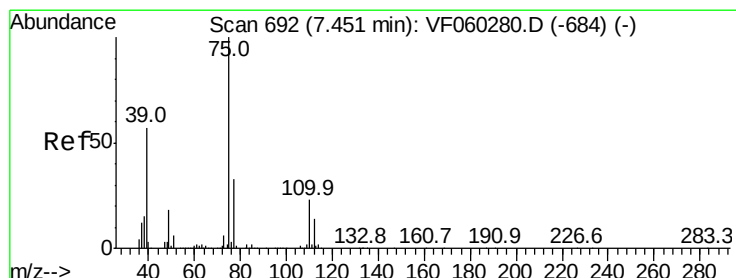
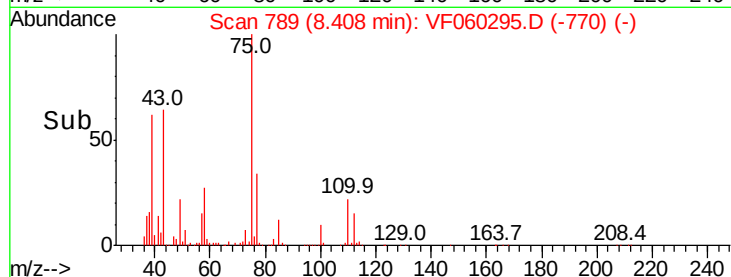
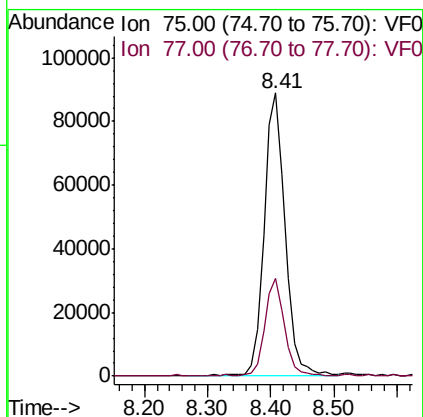
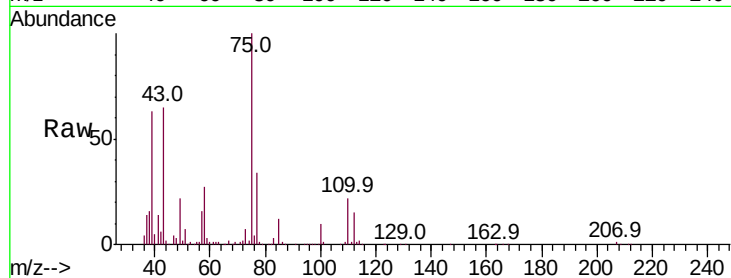
VSTDCCC050

Tot Ion: 75 Resp: 206510

Ion Ratio Lower Upper

75 100

77 34.4 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 47.201 ug/l

RT: 7.43 min Scan# 690

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

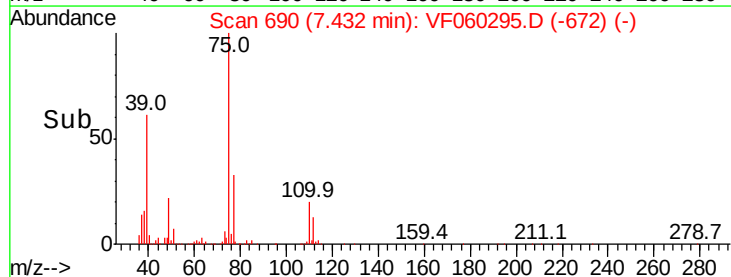
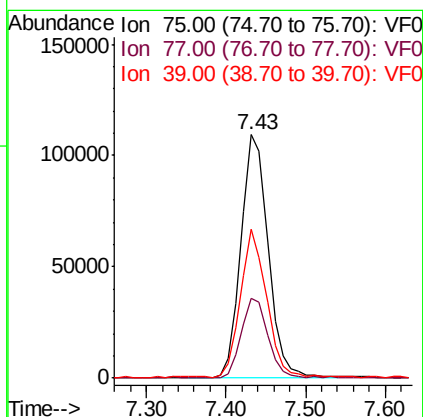
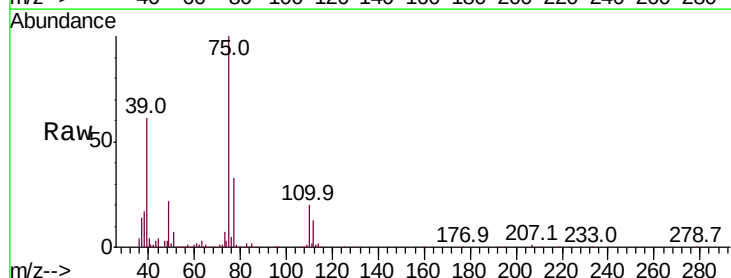
Tgt Ion: 75 Resp: 258149

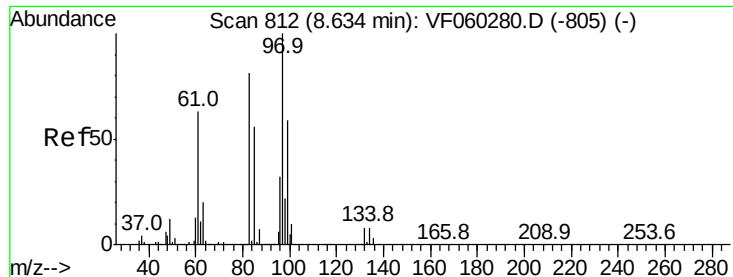
Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5

39 61.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 49.161 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 114276

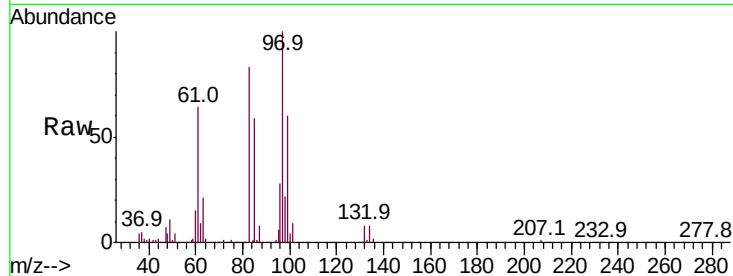
Ion Ratio Lower Upper

97 100

83 83.2 65.3 97.9

85 59.4 44.7 67.1

99 59.7 47.0 70.4

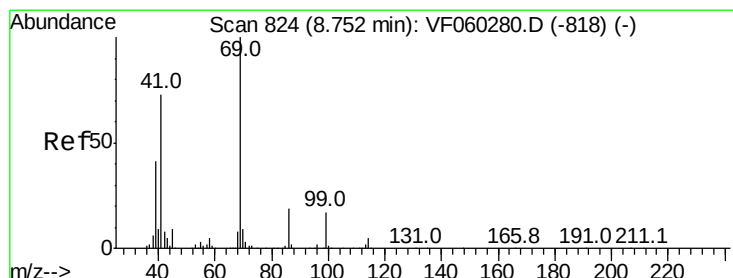
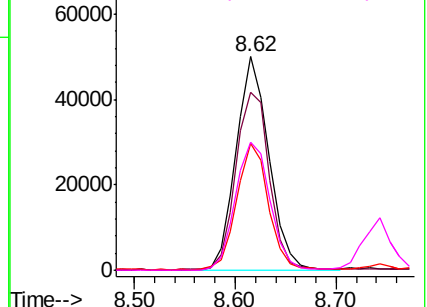
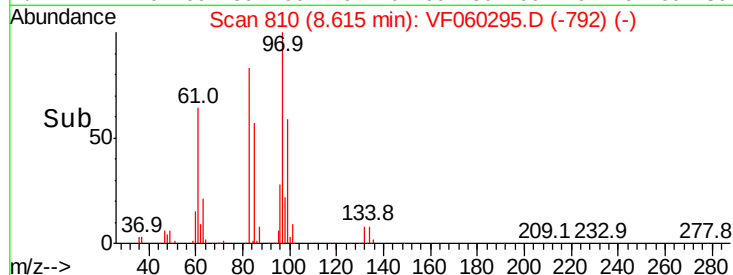


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 44.816 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

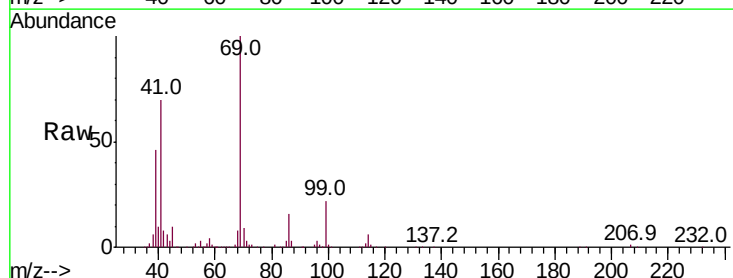
Tgt Ion: 69 Resp: 125817

Ion Ratio Lower Upper

69 100

41 70.1 59.4 89.2

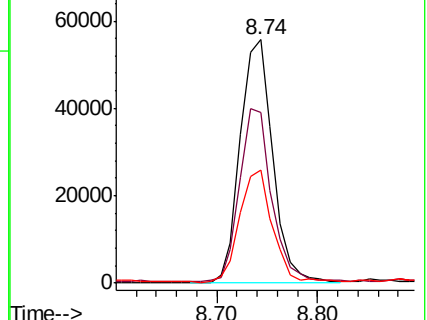
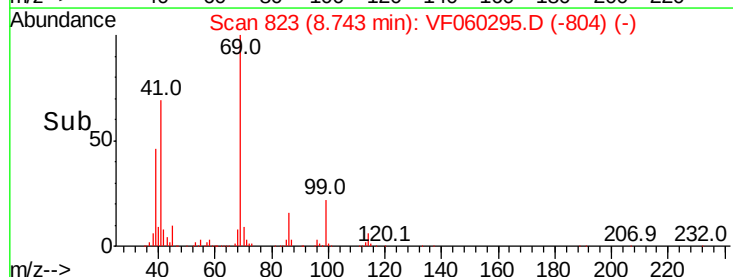
39 46.4 33.5 50.3

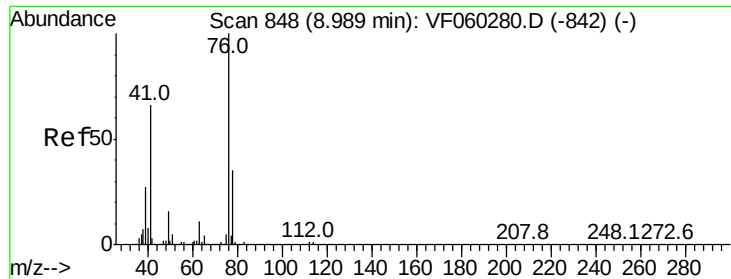


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

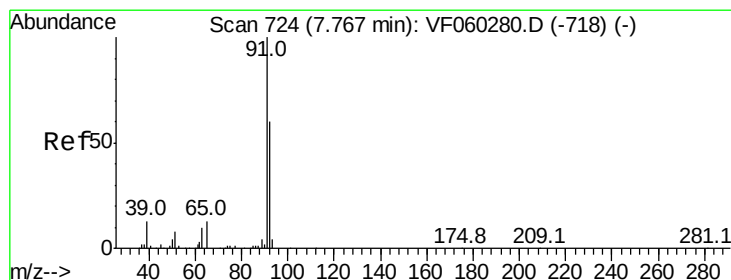
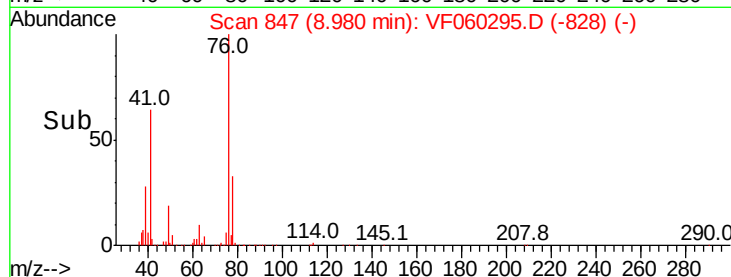
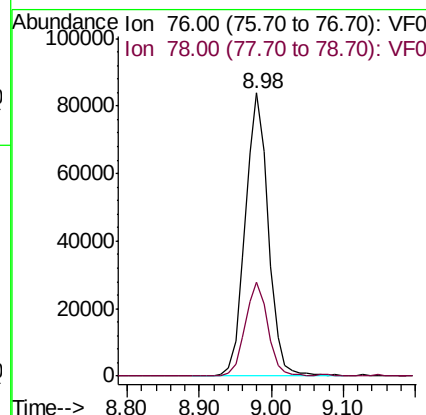
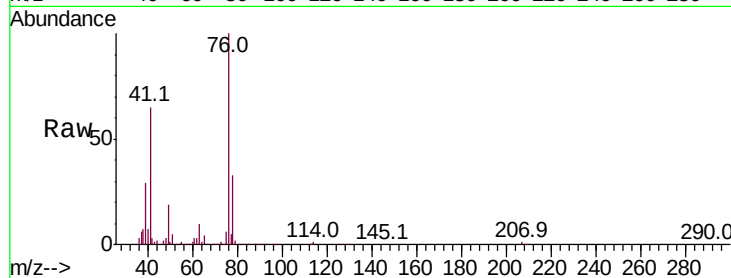




#57
 1,3-Dichloropropane
 Concen: 48.694 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

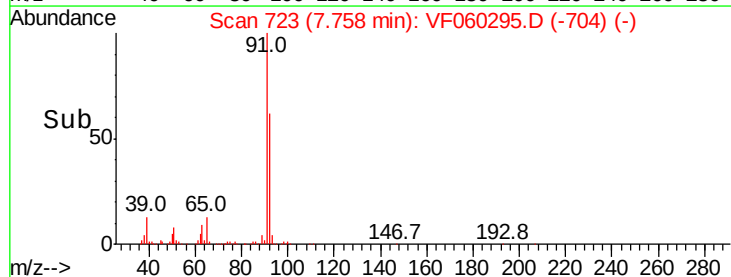
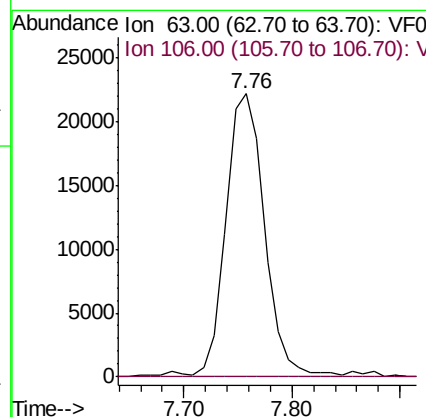
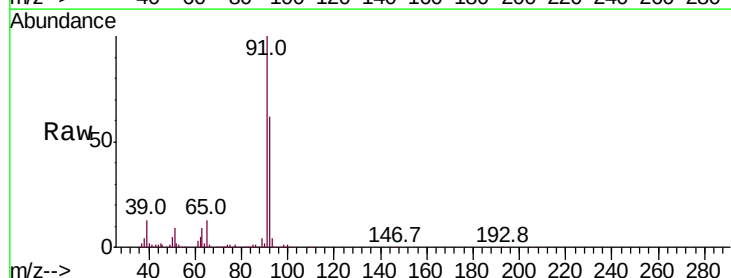
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

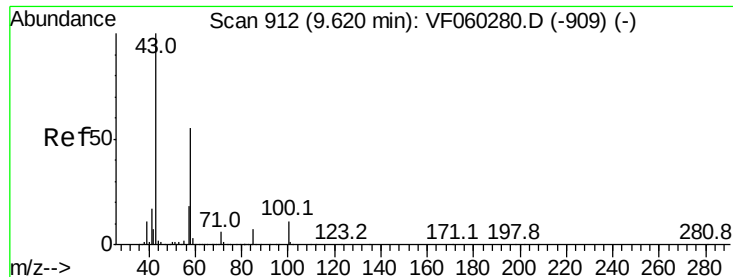
Tot Ion: 76 Resp: 187420
 Ion Ratio Lower Upper
 76 100
 78 33.0 28.2 42.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.058 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion: 63 Resp: 54863
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

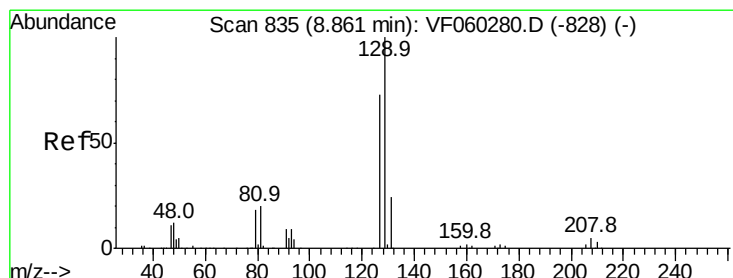
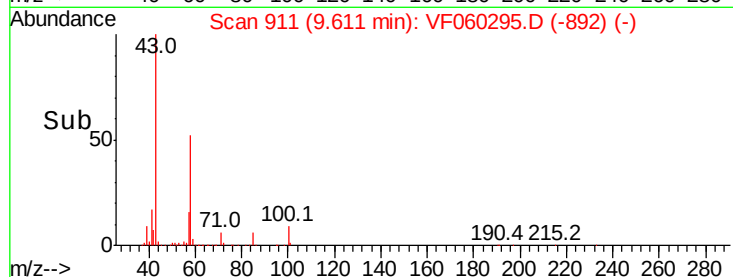
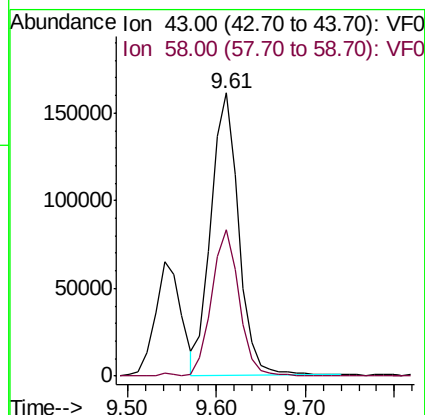
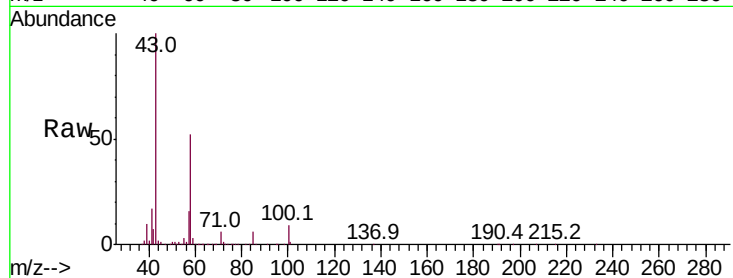




#59
2-Hexanone
Concen: 233.577 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

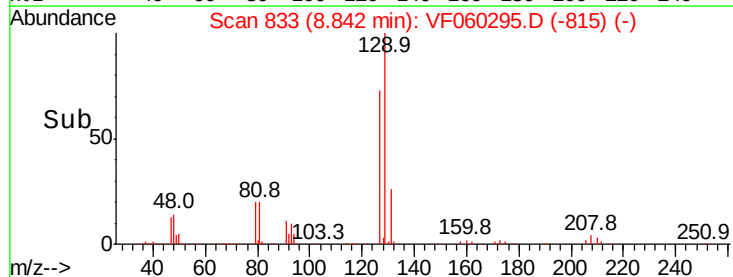
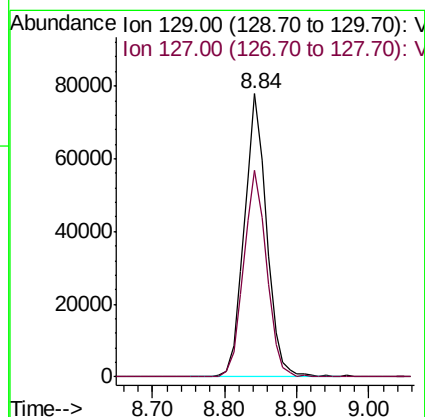
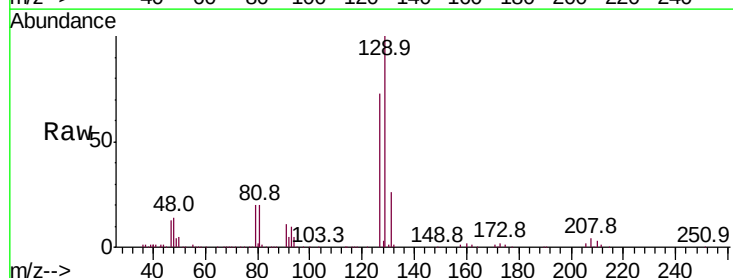
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

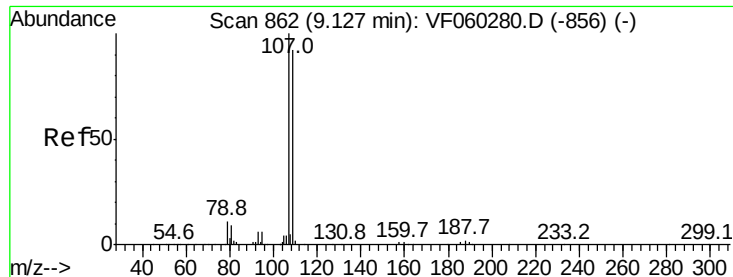
Tot Ion: 43 Resp: 348613
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6



#60
Dibromochloromethane
Concen: 48.953 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 129 Resp: 169605
Ion Ratio Lower Upper
129 100
127 73.0 36.6 109.8





#61

1,2-Dibromoethane

Concen: 46.686 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

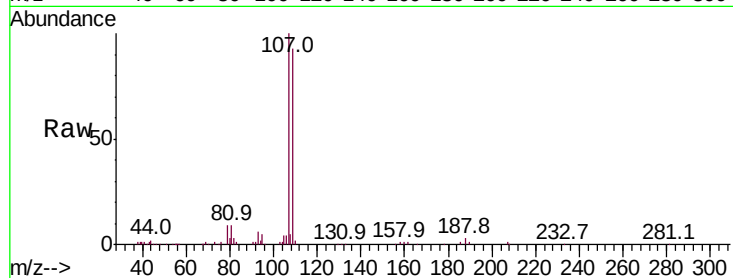
VSTDCCC050

Tot Ion:107 Resp: 120848

Ion Ratio Lower Upper

107 100

109 93.0 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

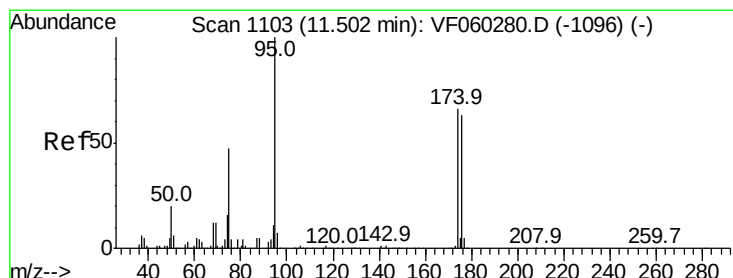
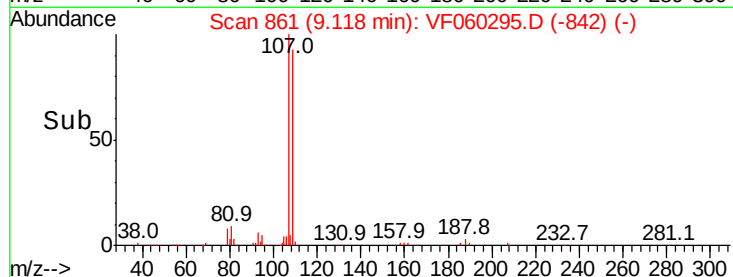
20000

10000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 47.908 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

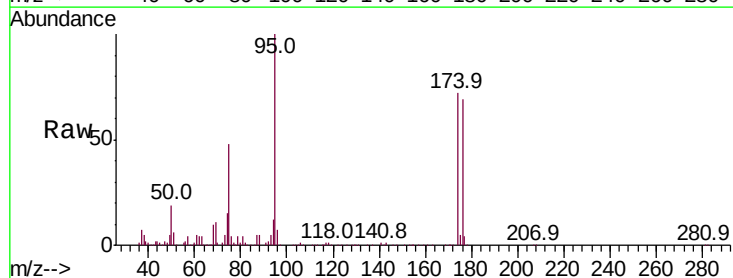
Tgt Ion: 95 Resp: 205781

Ion Ratio Lower Upper

95 100

174 72.3 0.0 131.2

176 69.2 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

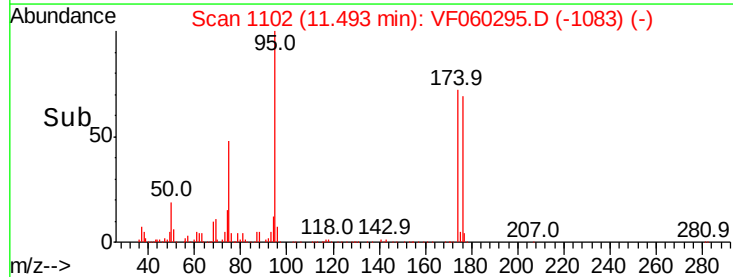
100000

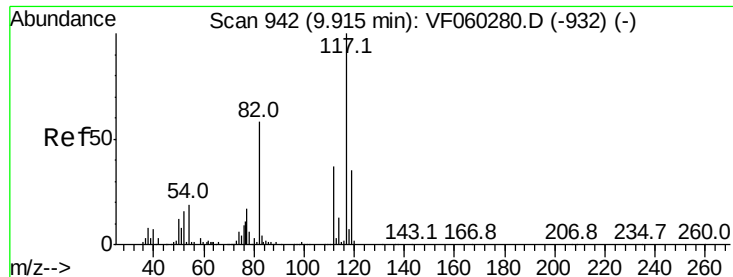
50000

0

11.40 11.50 11.60

Time-->

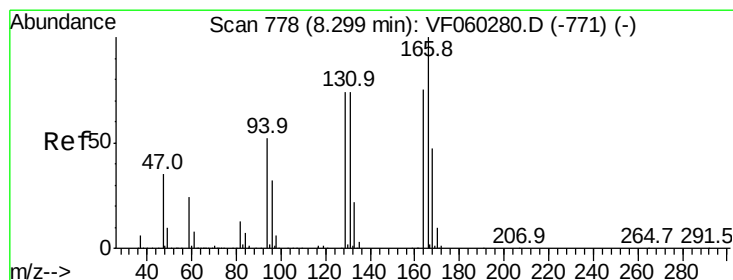
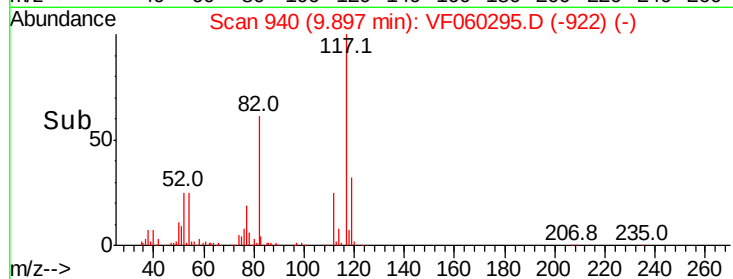
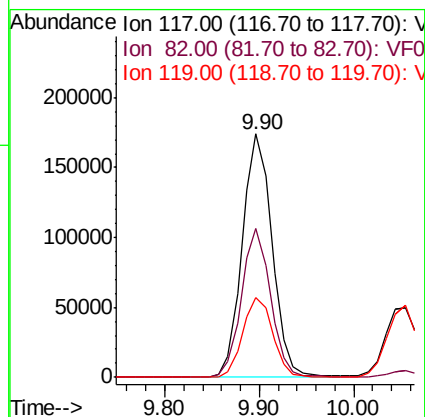
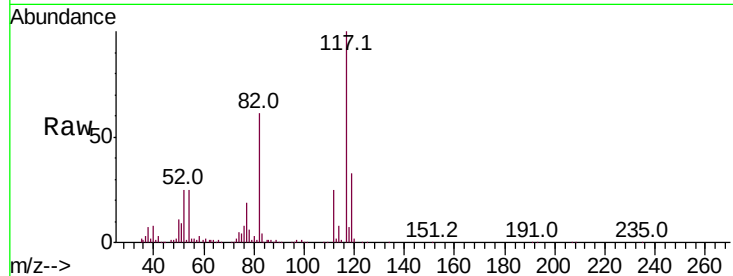




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

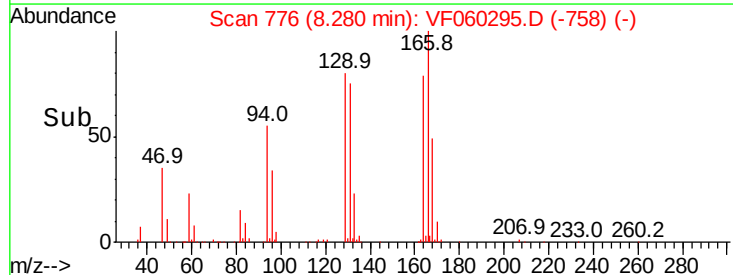
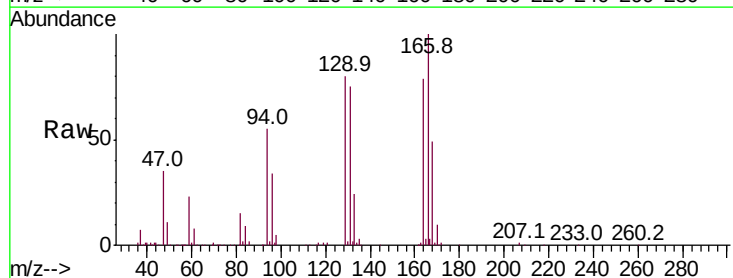
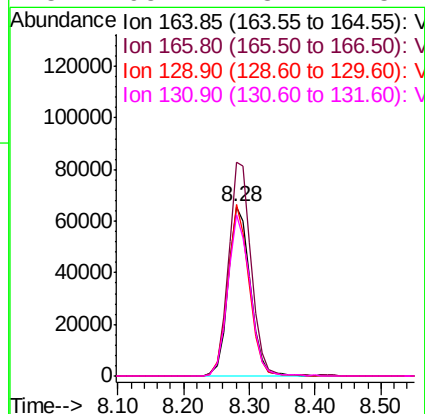
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

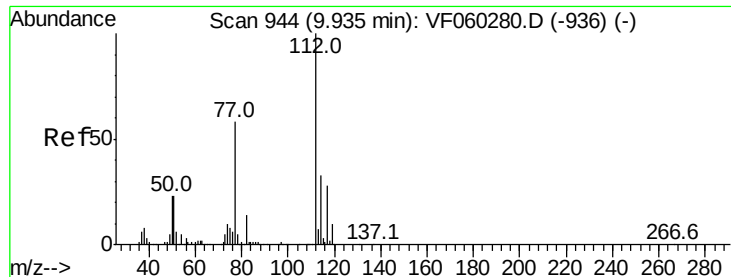
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.2	69.2
119	32.5	27.8	41.6



#64
Tetrachloroethene
Concen: 44.617 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	106.8	160.2
129	101.6	78.8	118.2
131	95.2	78.7	118.1

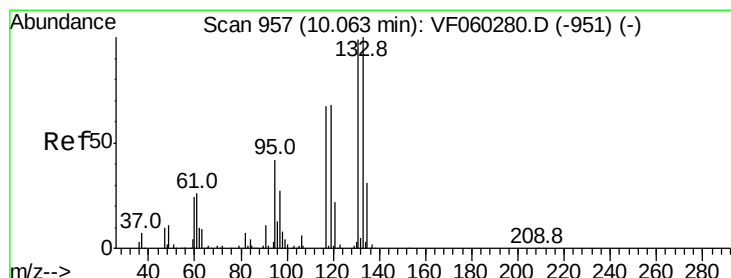
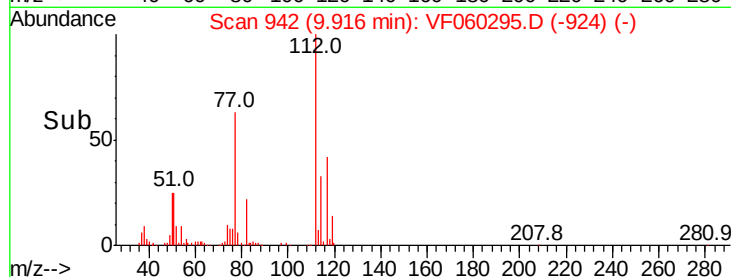
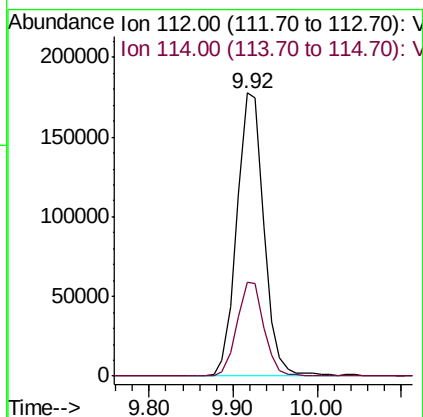
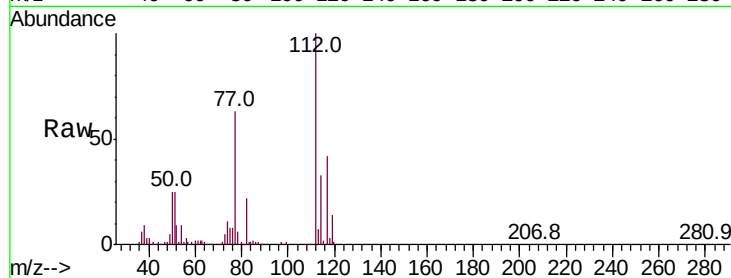




#65
Chlorobenzene
Concen: 46.101 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

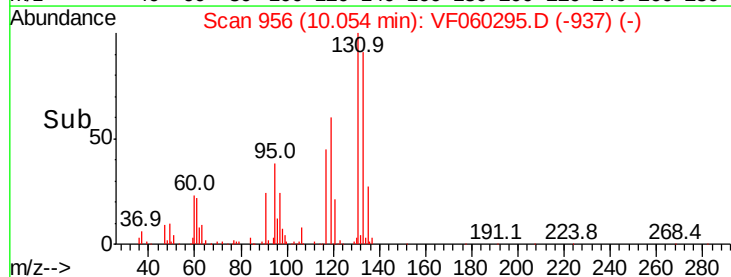
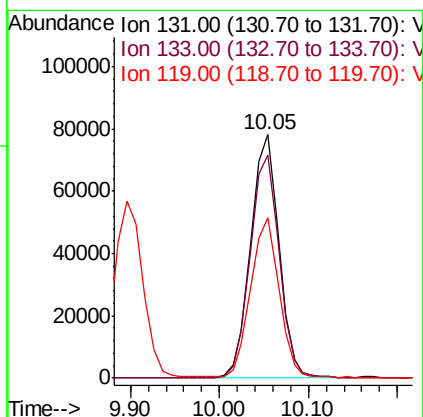
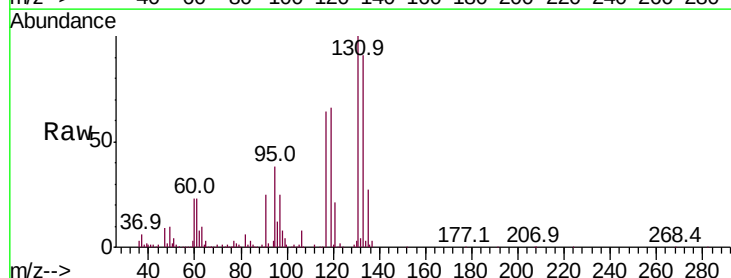
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

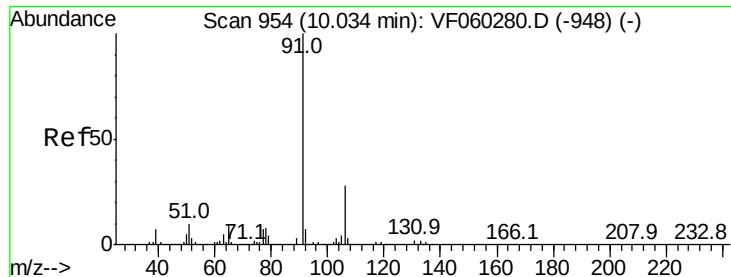
Tot Ion:112 Resp: 399117
Ion Ratio Lower Upper
112 100
114 33.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.629 ug/l
RT: 10.05 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion:131 Resp: 171122
Ion Ratio Lower Upper
131 100
133 91.4 50.4 151.2
119 65.8 34.8 104.3

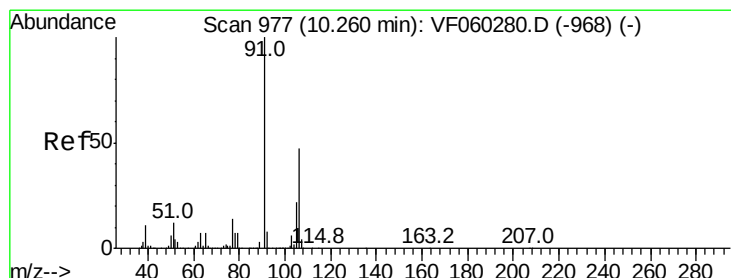
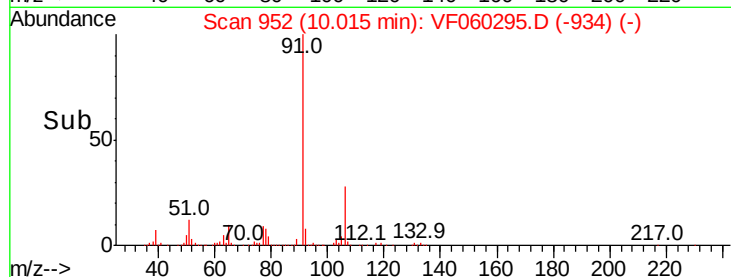
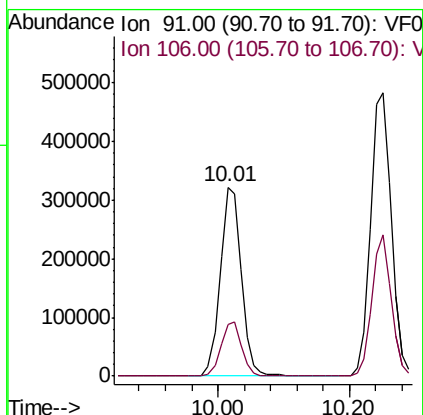
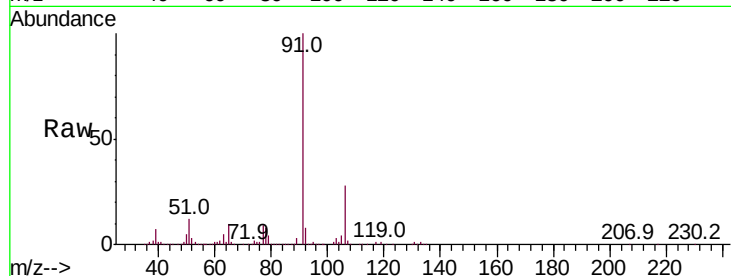




#67
Ethyl Benzene
Concen: 45.050 ug/l
RT: 10.01 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

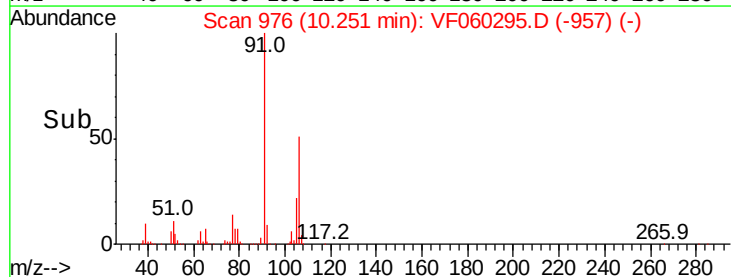
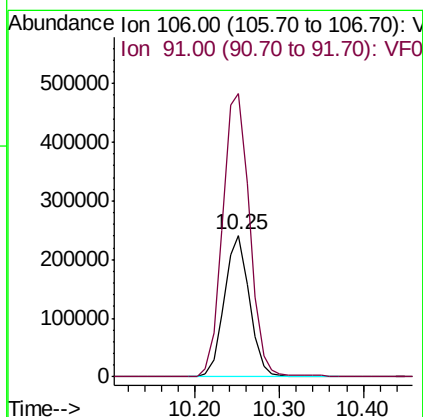
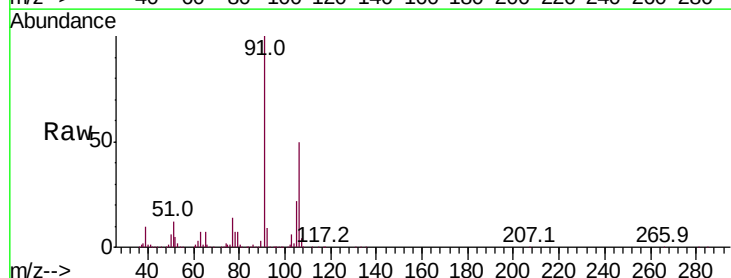
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

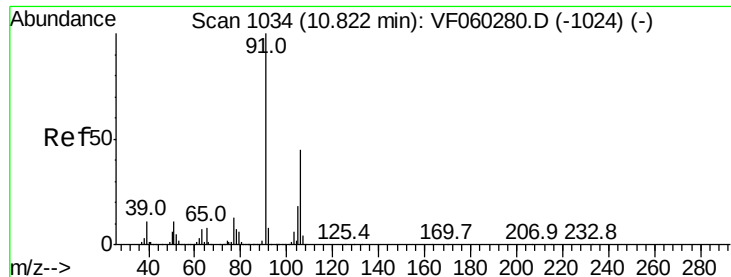
Tot Ion: 91 Resp: 721125
Ion Ratio Lower Upper
91 100
106 27.6 22.7 34.1



#68
m/p-Xylenes
Concen: 91.074 ug/l
RT: 10.25 min Scan# 976
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion:106 Resp: 503668
Ion Ratio Lower Upper
106 100
91 199.5 172.3 258.5

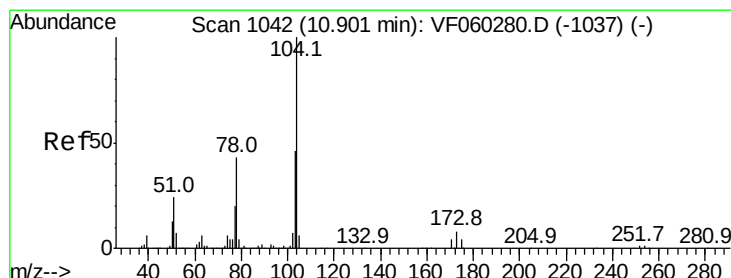
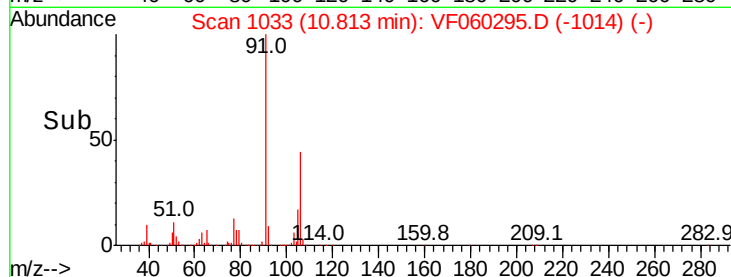
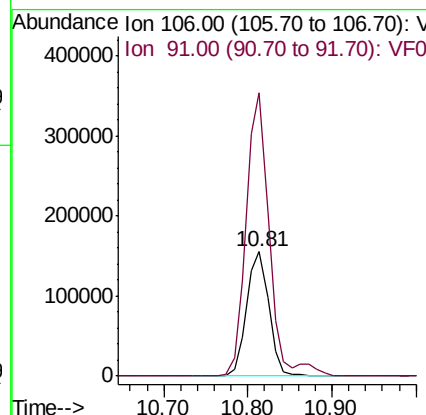
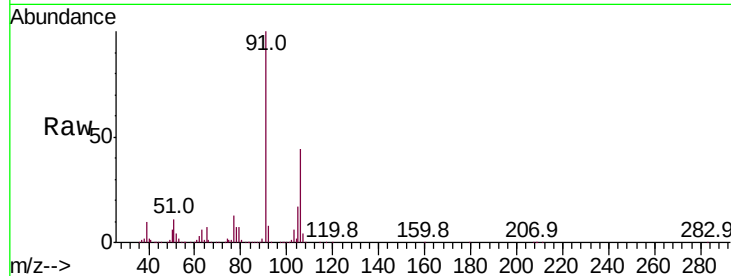




#69
o-Xylene
Concen: 46.677 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

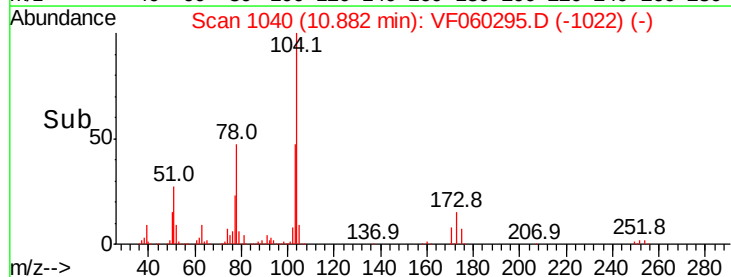
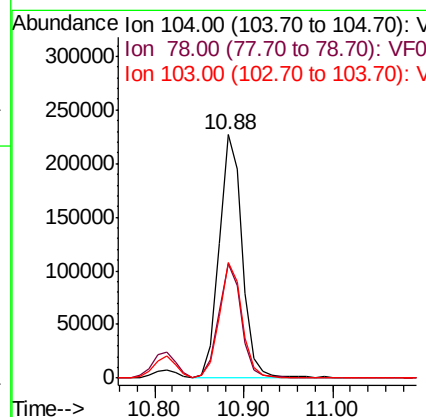
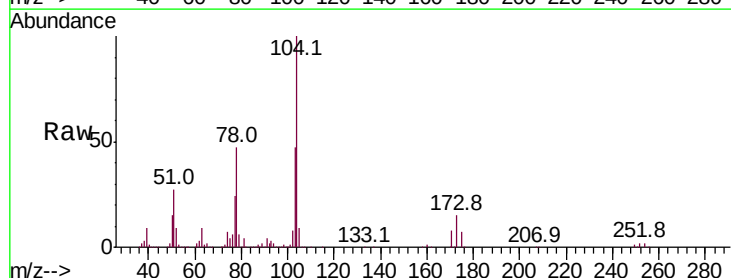
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

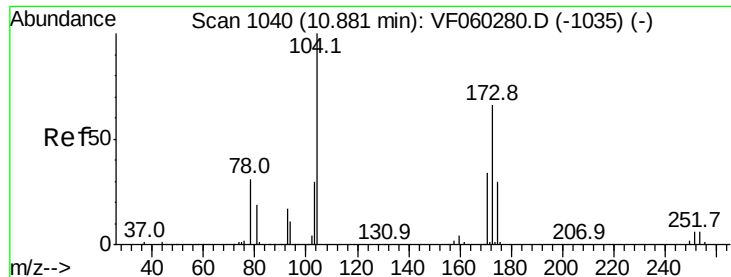
Tot Ion:106 Resp: 289536
Ion Ratio Lower Upper
106 100
91 227.2 110.9 332.6



#70
Styrene
Concen: 46.779 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion:104 Resp: 409221
Ion Ratio Lower Upper
104 100
78 47.2 35.0 52.6
103 47.3 37.4 56.0





#71

Bromoform

Concen: 47.440 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

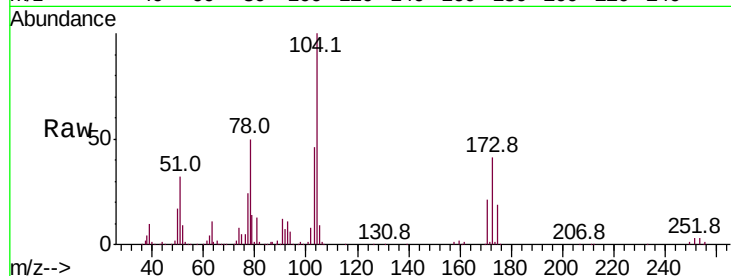
Tot Ion:173 Resp: 93608

Ion Ratio Lower Upper

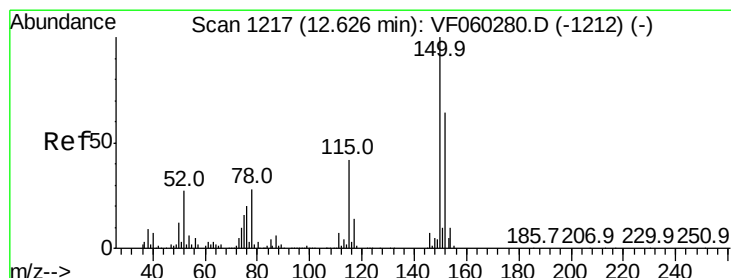
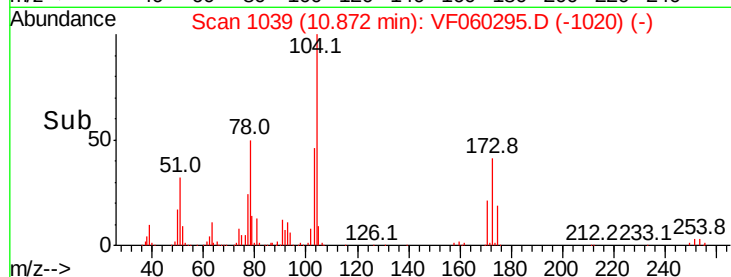
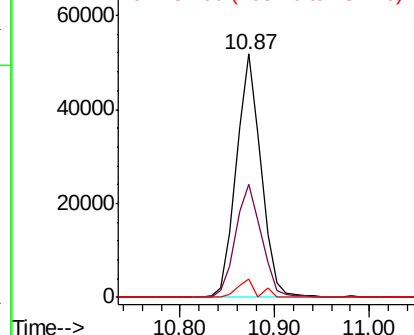
173 100

175 46.3 22.3 66.9

254 7.6 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

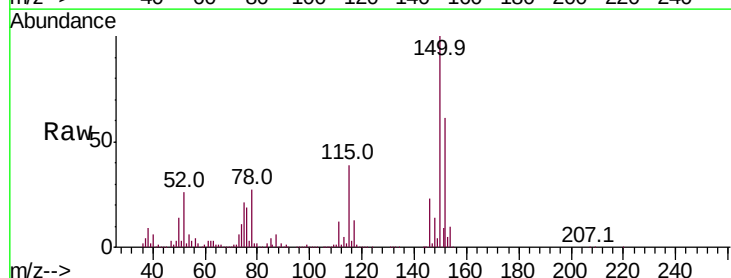
Tgt Ion:152 Resp: 202245

Ion Ratio Lower Upper

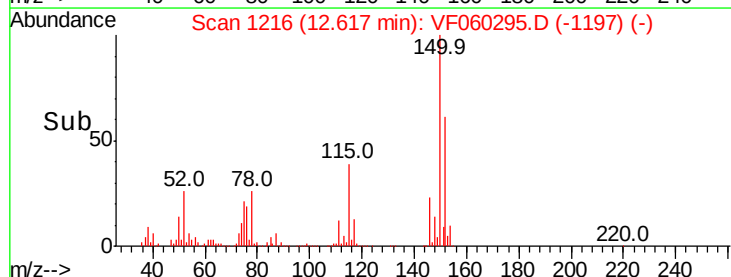
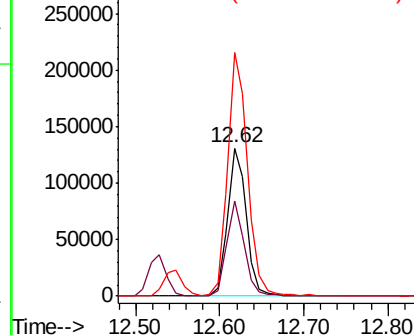
152 100

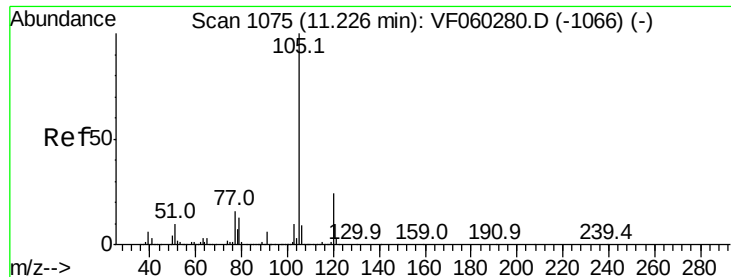
115 64.2 32.6 97.8

150 164.9 0.0 314.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 47.105 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

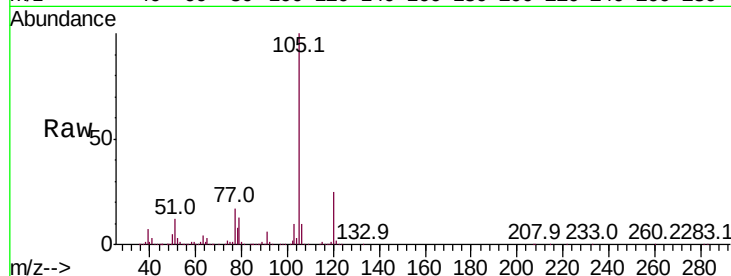
VSTDCCC050

Tot Ion:105 Resp: 855237

Ion Ratio Lower Upper

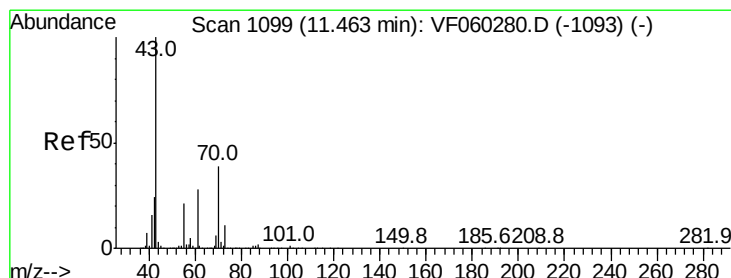
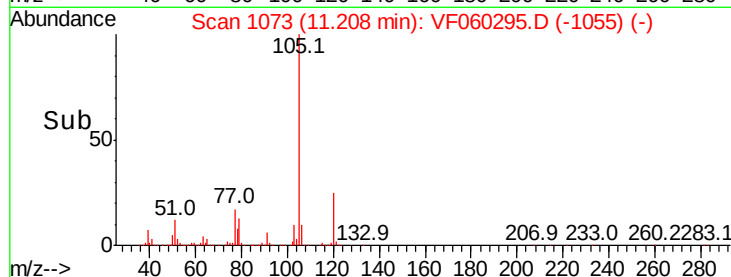
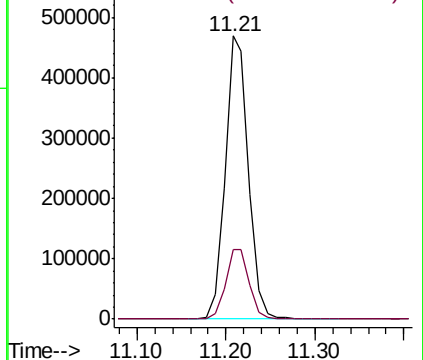
105 100

120 24.7 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 38.042 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Tgt Ion: 43 Resp: 147285

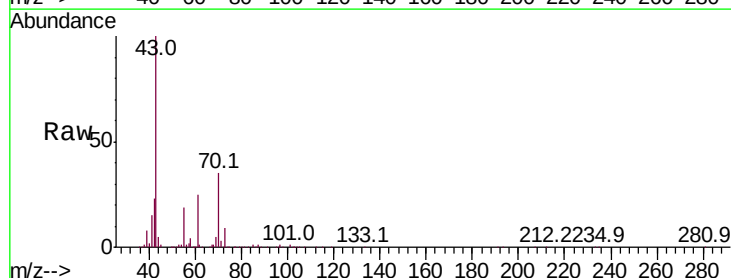
Ion Ratio Lower Upper

43 100

70 34.6 31.4 47.2

55 19.0 16.8 25.2

61 25.1 22.6 34.0

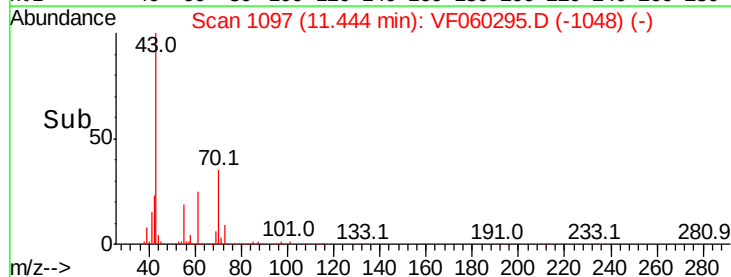
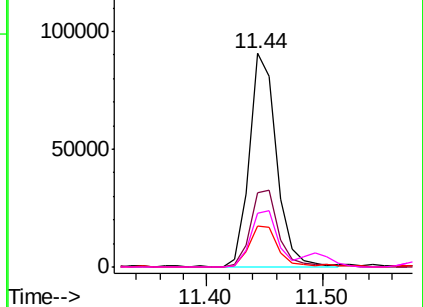


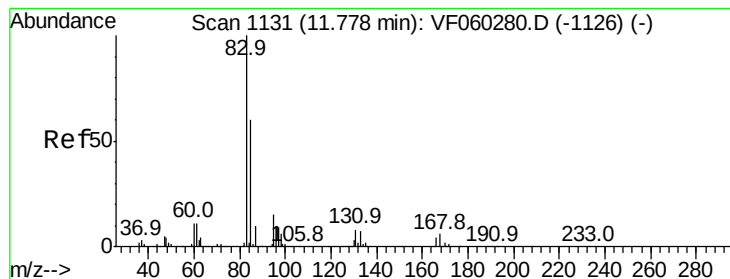
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 44.608 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

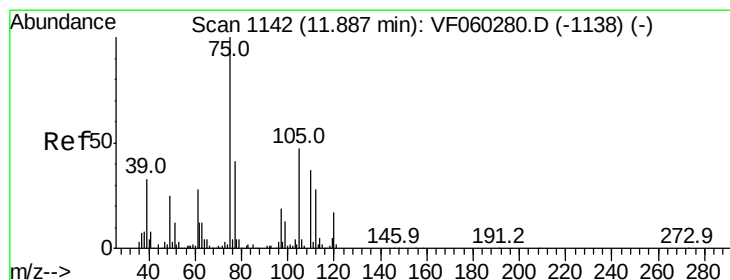
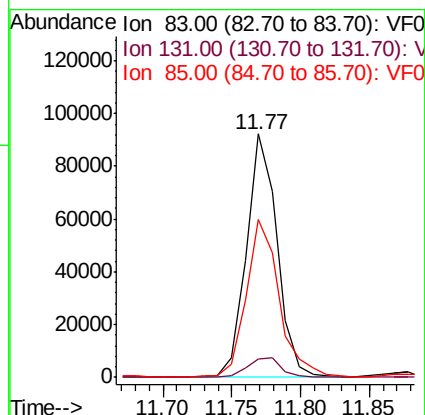
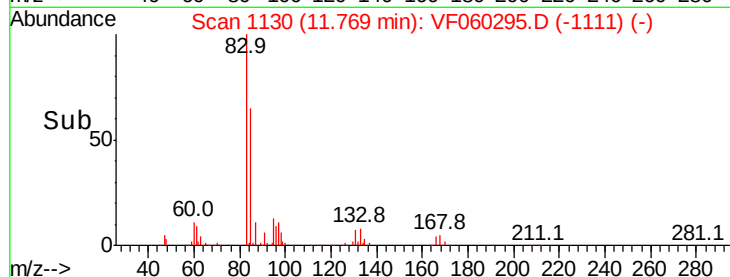
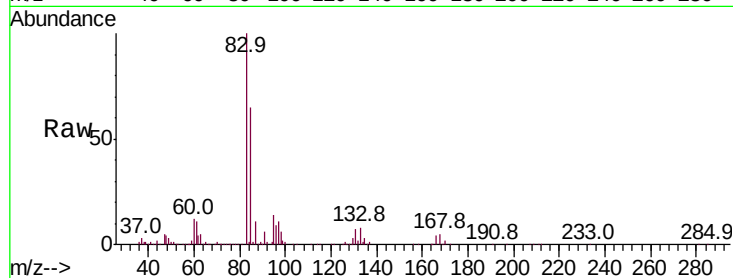
Tot Ion: 83 Resp: 143535

Ion Ratio Lower Upper

83 100

131 7.5 4.2 12.4

85 64.8 30.1 90.5



#76

1,2,3-Trichloropropane

Concen: 46.638 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060295.D

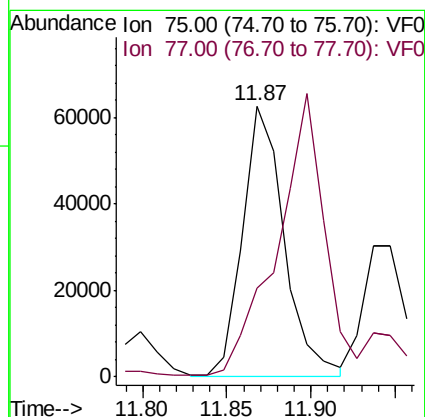
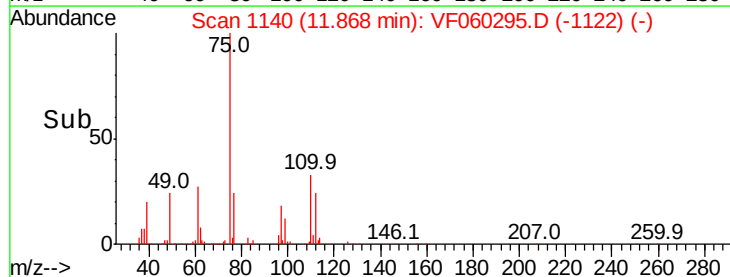
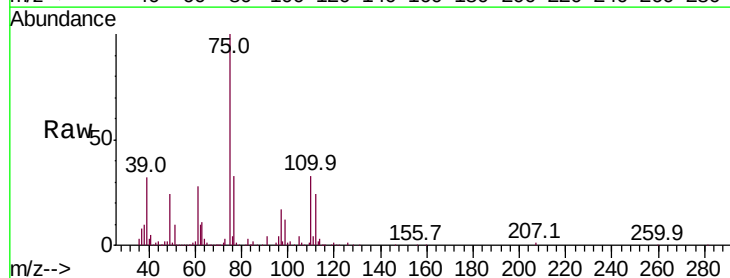
Acq: 20 Sep 2018 10:22

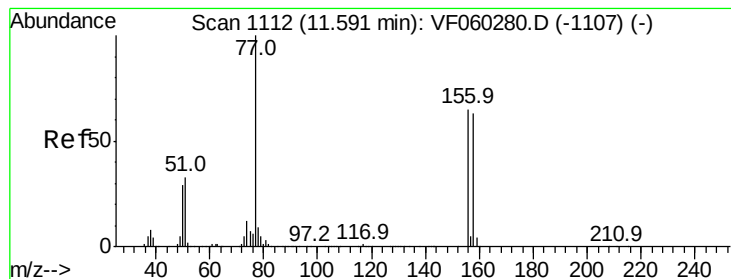
Tgt Ion: 75 Resp: 107448

Ion Ratio Lower Upper

75 100

77 32.6 20.5 61.5





#77

Bromobenzene

Concen: 44.636 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

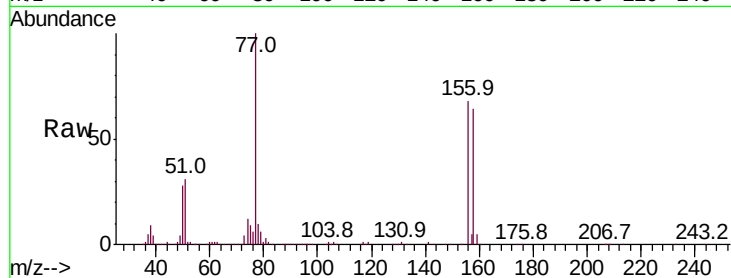
Tot Ion:156 Resp: 174655

Ion Ratio Lower Upper

156 100

77 147.1 77.3 232.1

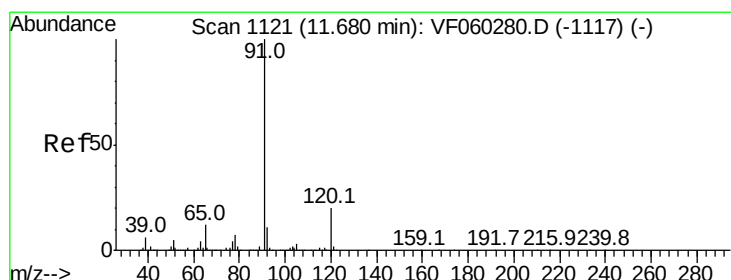
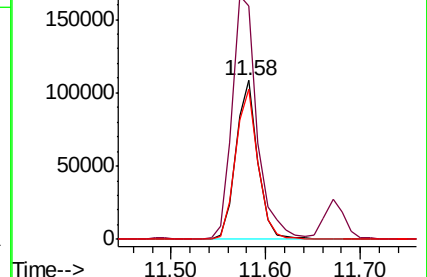
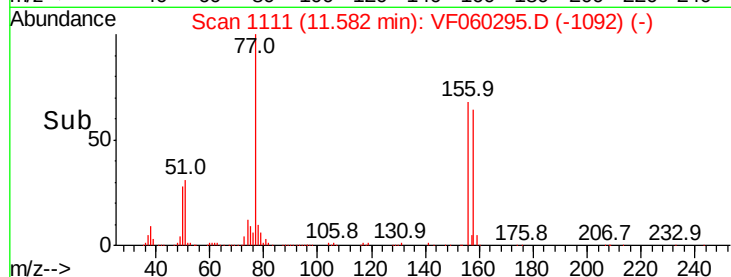
158 94.6 48.4 145.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 57.083 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060295.D

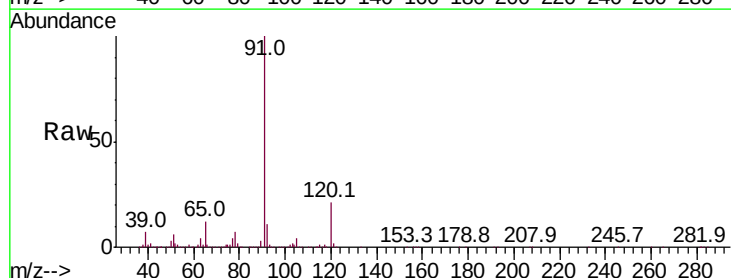
Acq: 20 Sep 2018 10:22

Tgt Ion: 91 Resp: 1000222

Ion Ratio Lower Upper

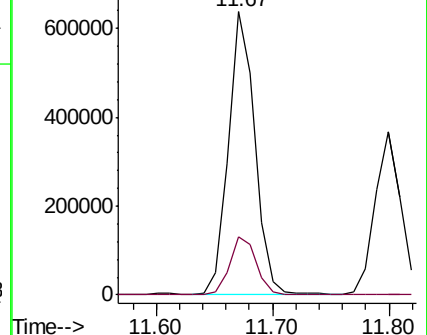
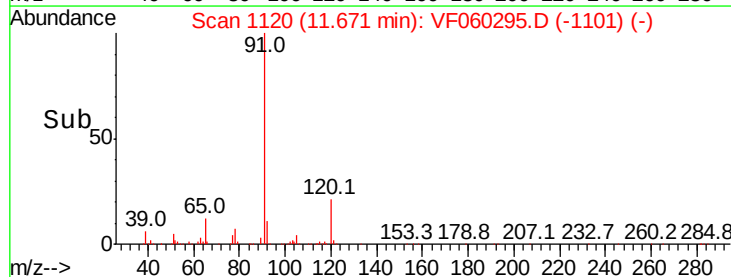
91 100

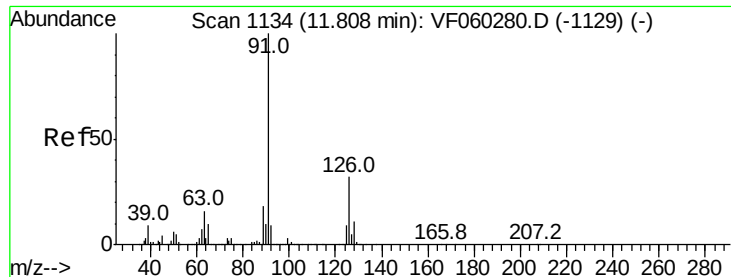
120 20.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.983 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

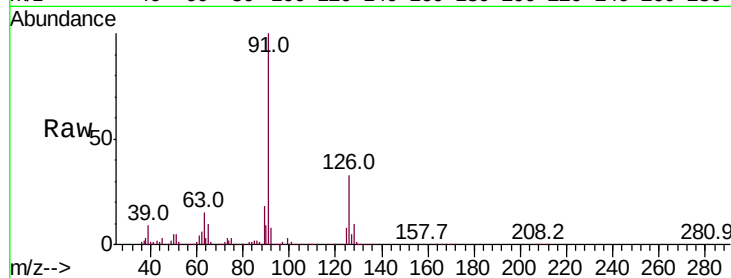
VSTDCCC050

Tot Ion: 91 Resp: 563164

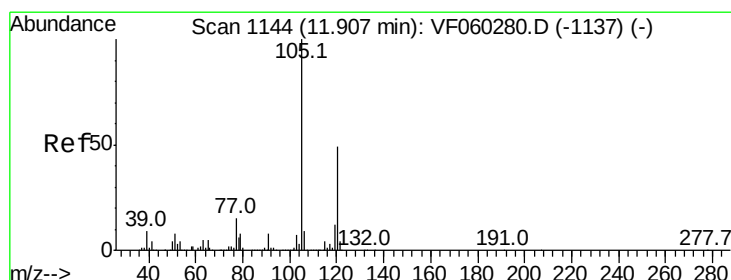
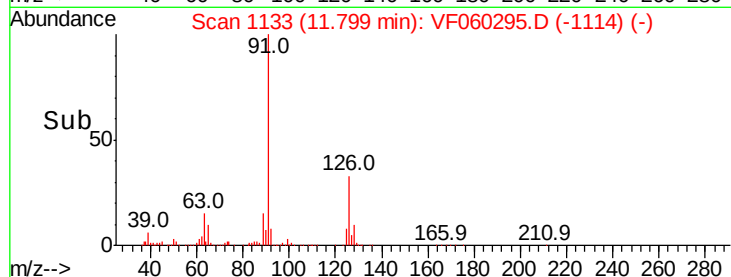
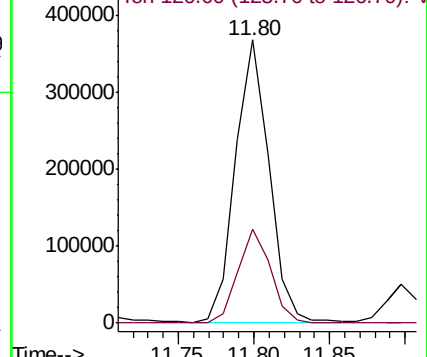
Ion Ratio Lower Upper

91 100

126 33.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VF060280.D (-1129) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.751 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060295.D

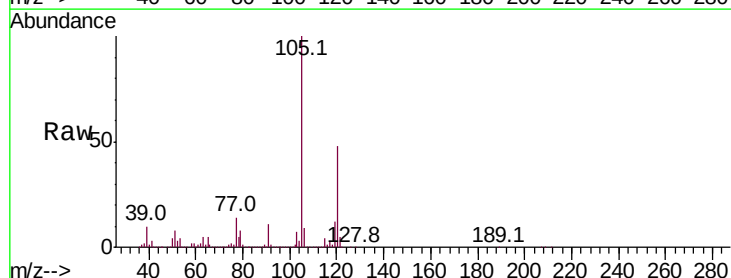
Acq: 20 Sep 2018 10:22

Tgt Ion: 105 Resp: 683260

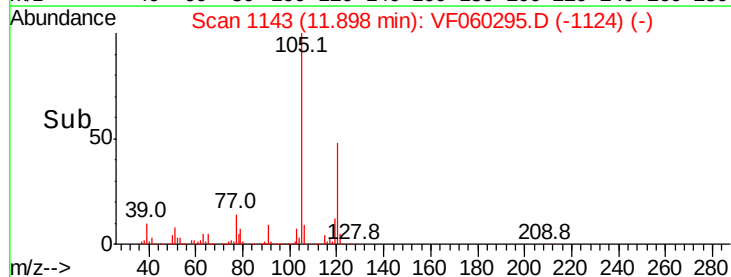
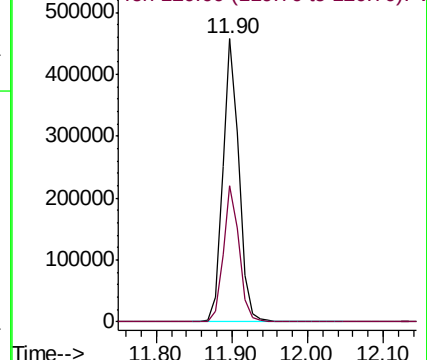
Ion Ratio Lower Upper

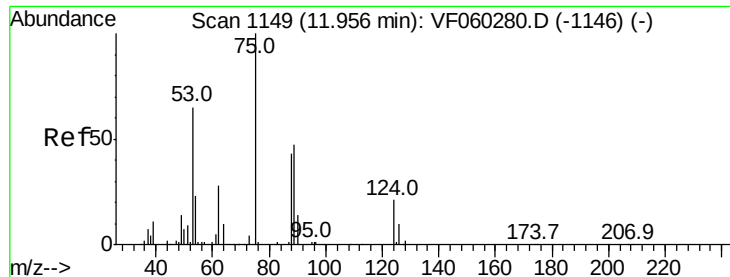
105 100

120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VF060280.D (-1137) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.505 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

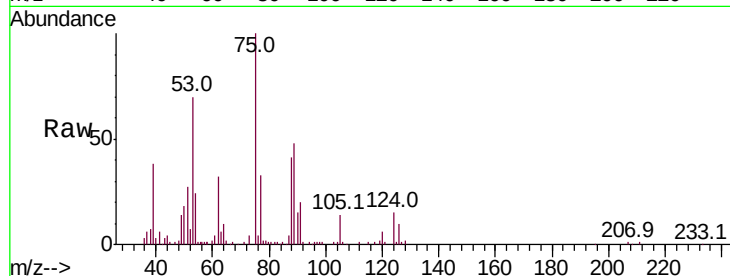
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 70015

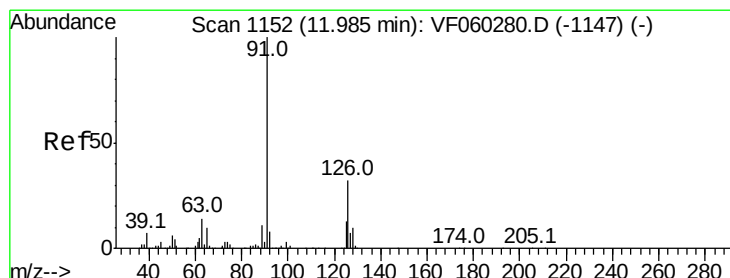
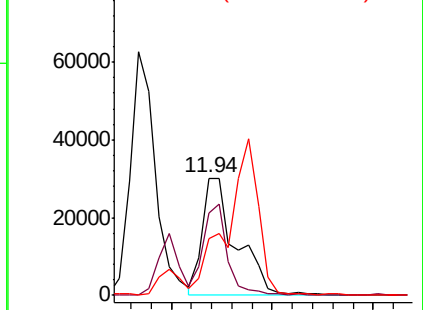
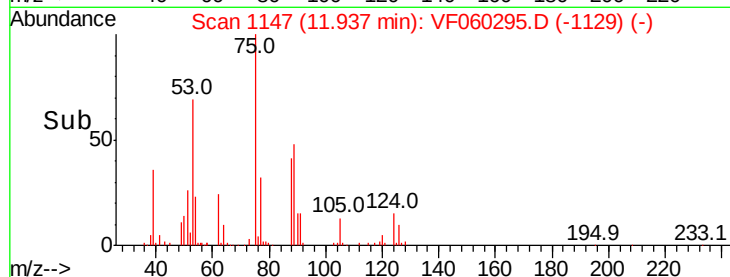
Ion	Ratio	Lower	Upper
75	100		
53	69.7	56.5	84.7
89	47.9	40.6	60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.028 ug/l

RT: 11.98 min Scan# 1151

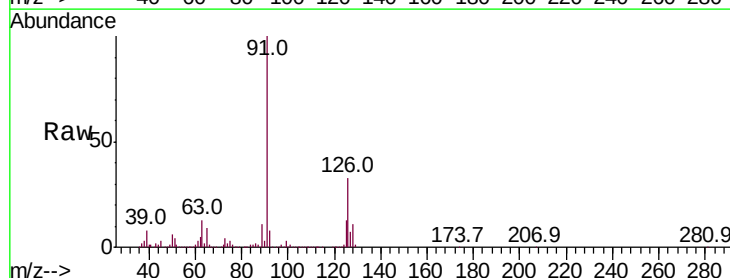
Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

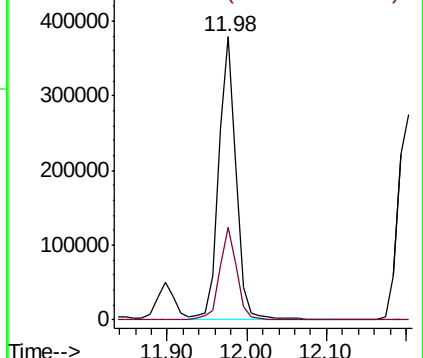
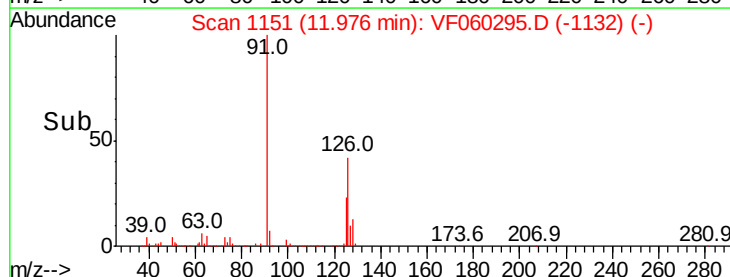
Tgt Ion: 91 Resp: 578904

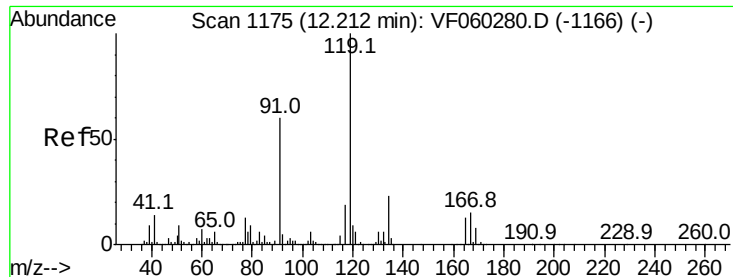
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 46.278 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

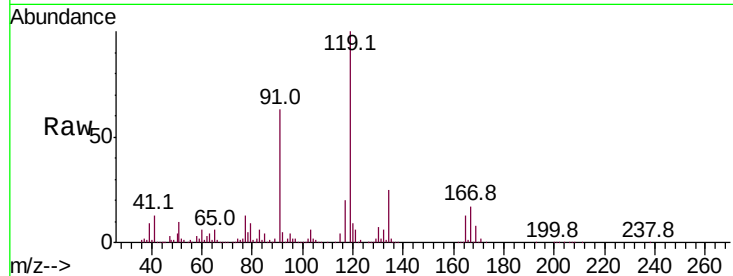
Tot Ion:119 Resp: 685623

Ion Ratio Lower Upper

119 100

91 62.7 30.3 91.0

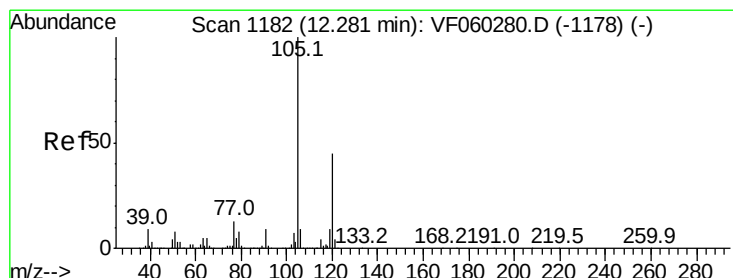
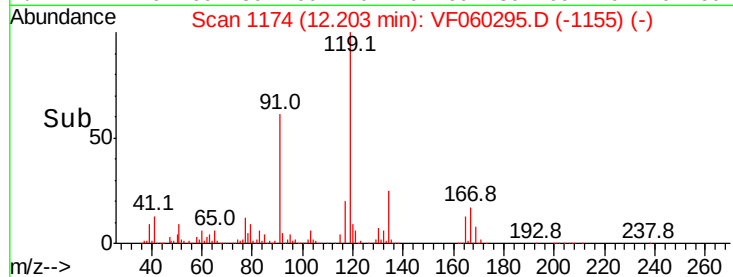
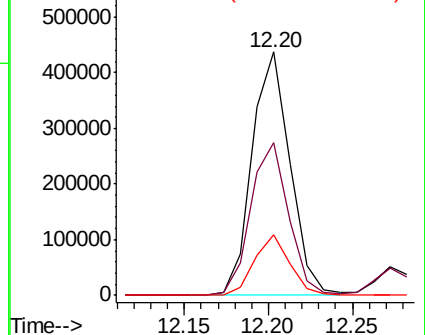
134 24.7 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.426 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VF060295.D

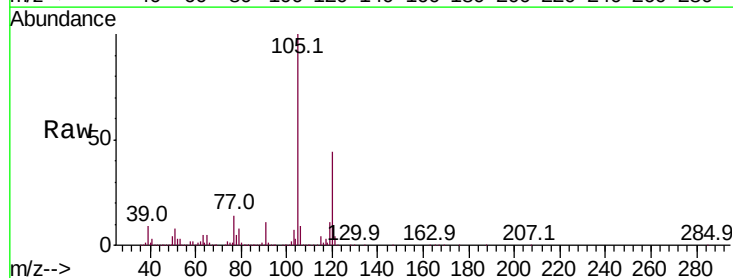
Acq: 20 Sep 2018 10:22

Tgt Ion:105 Resp: 659308

Ion Ratio Lower Upper

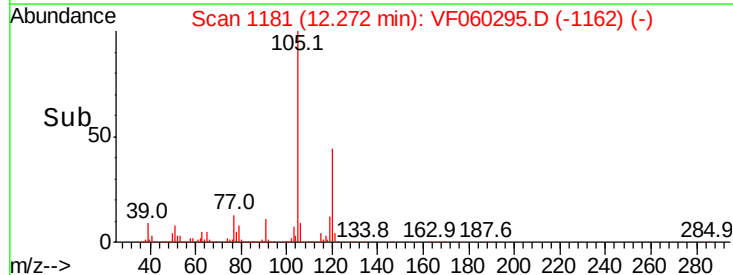
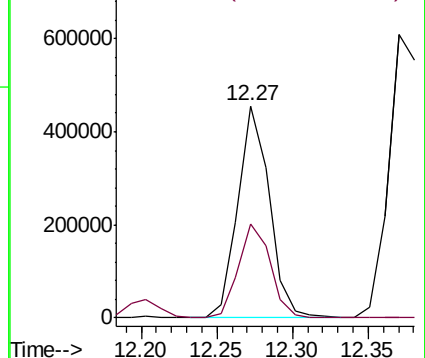
105 100

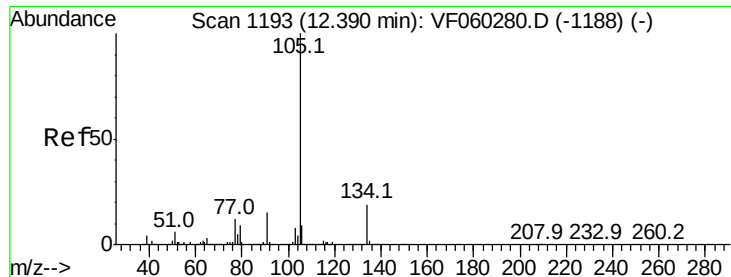
120 44.3 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.778 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.02 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

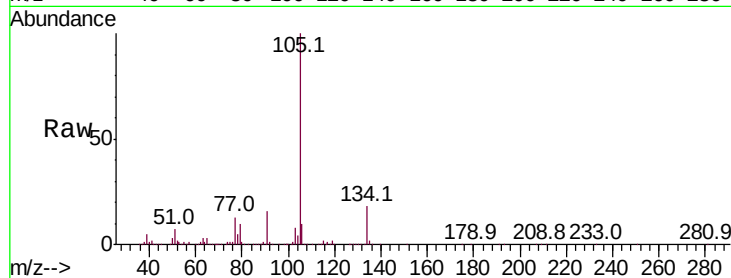
VSTDCCC050

Tot Ion:105 Resp: 959924

Ion Ratio Lower Upper

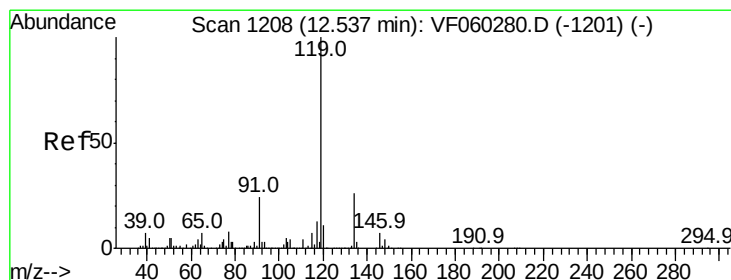
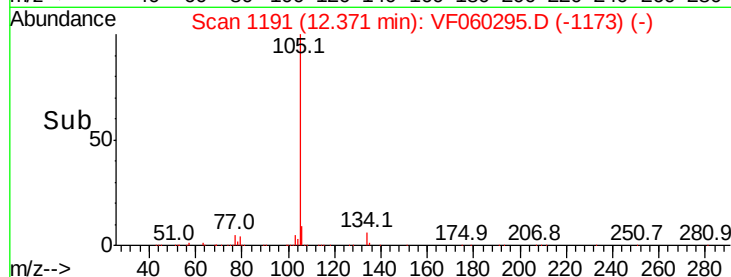
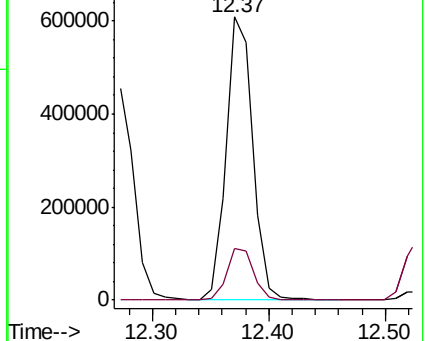
105 100

134 18.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.491 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

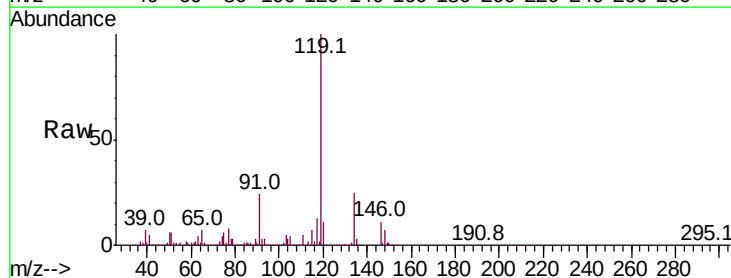
Tgt Ion:119 Resp: 764467

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

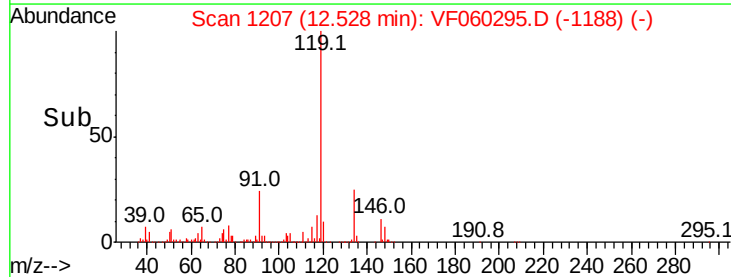
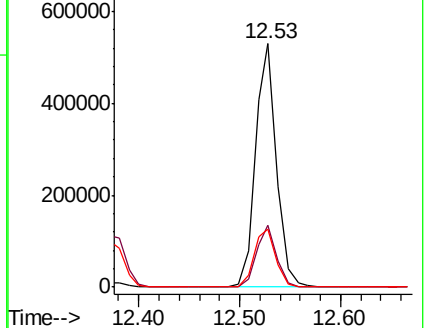
91 24.0 11.9 35.7

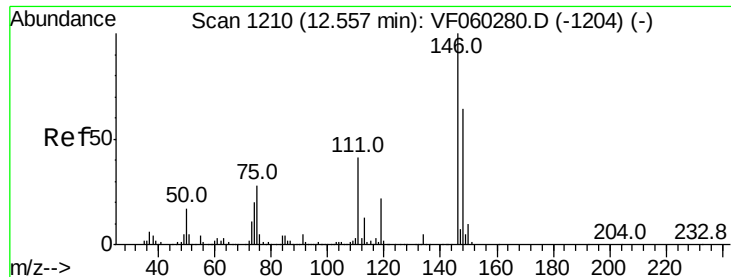


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

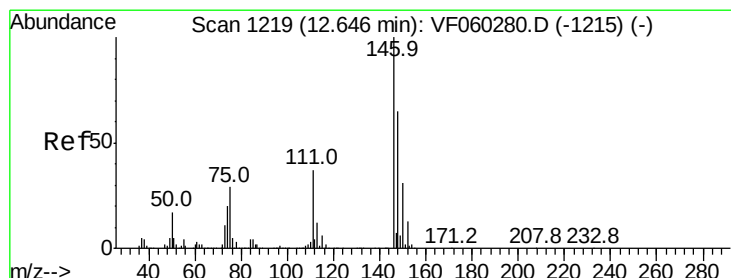
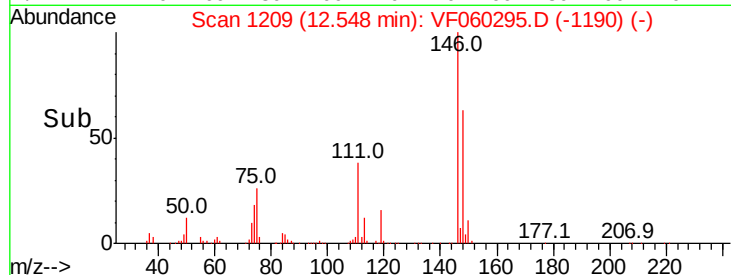
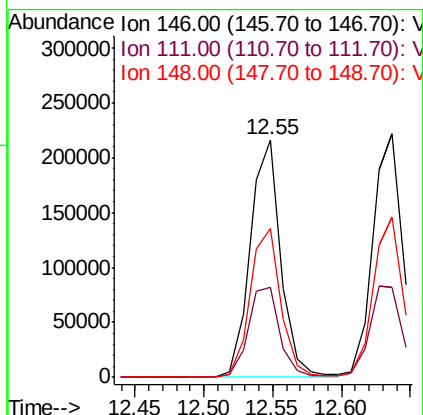
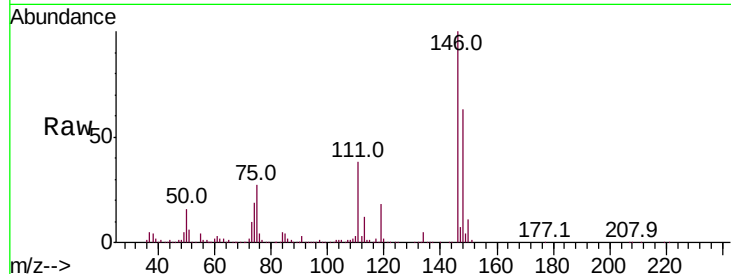




#87
 1,3-Dichlorobenzene
 Concen: 45.800 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

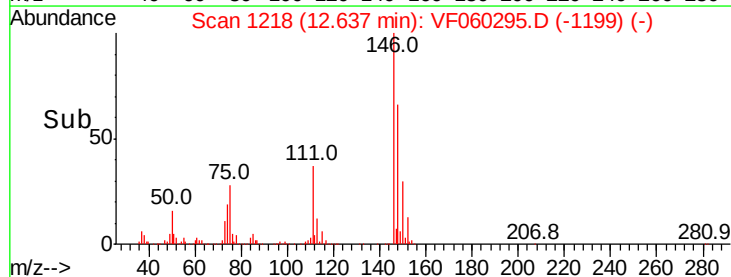
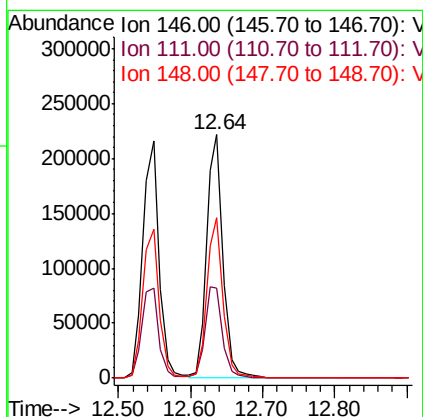
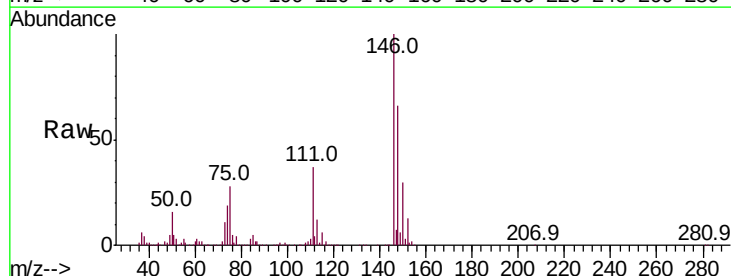
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

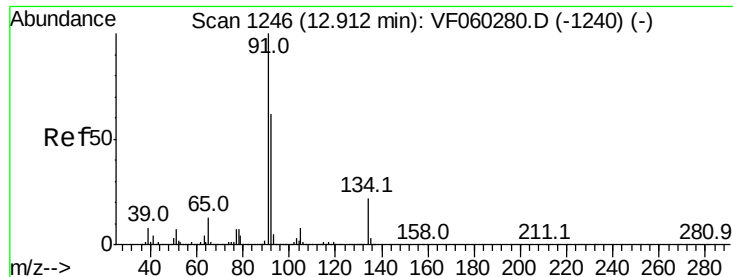
Tot Ion:146 Resp: 334876
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.5 61.6
 148 62.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 47.716 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion:146 Resp: 344841
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.7 56.1
 148 66.1 32.4 97.0

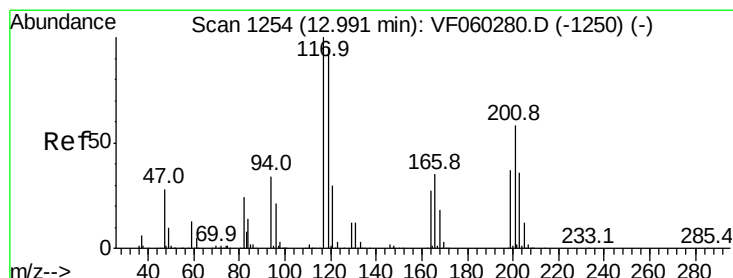
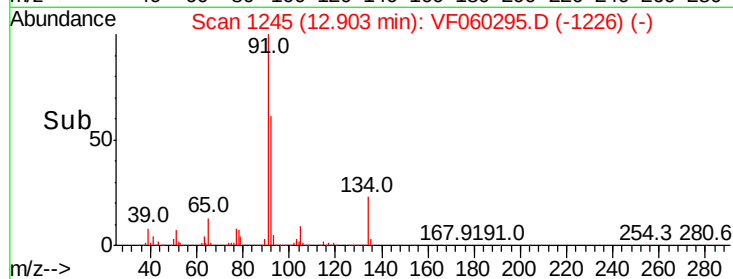
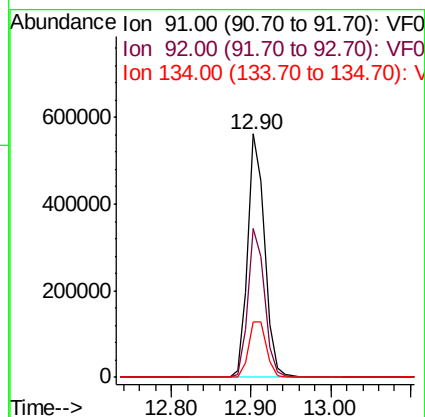
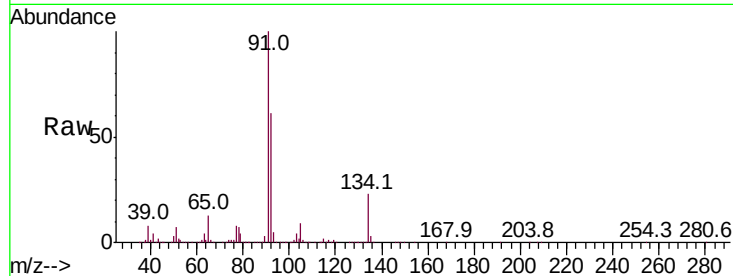




#89
n-Butylbenzene
Concen: 53.661 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

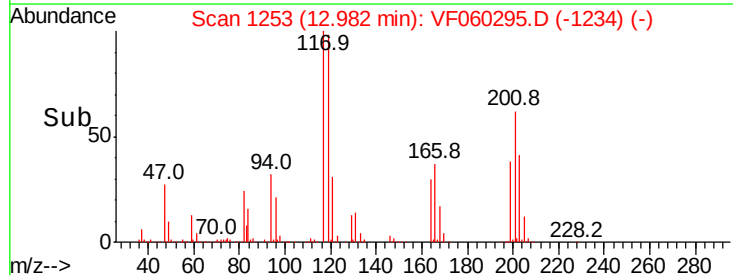
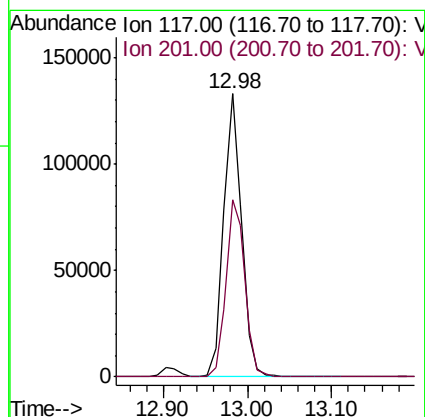
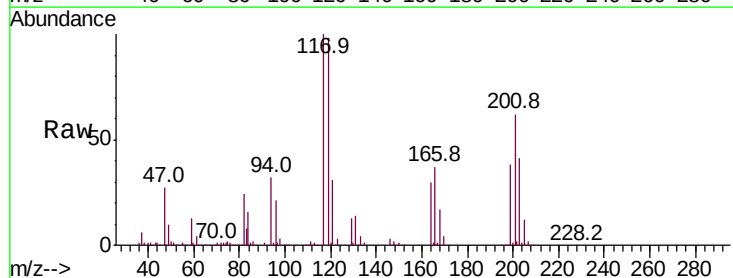
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

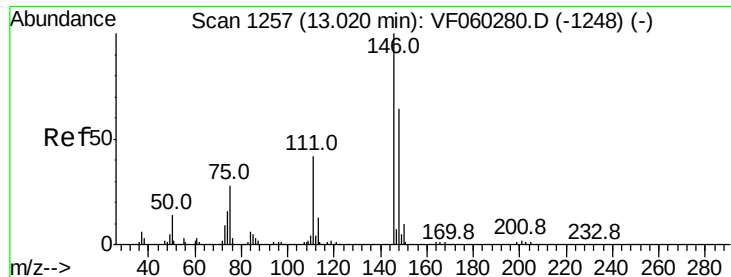
Tot Ion: 91 Resp: 817092
Ion Ratio Lower Upper
91 100
92 61.2 31.1 93.5
134 23.0 11.0 33.0



#90
Hexachloroethane
Concen: 47.422 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion: 117 Resp: 196599
Ion Ratio Lower Upper
117 100
201 62.4 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 47.396 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

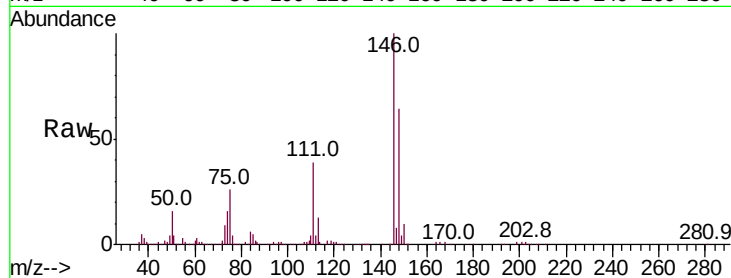
Tot Ion:146 Resp: 330583

Ion Ratio Lower Upper

146 100

111 38.8 20.9 62.8

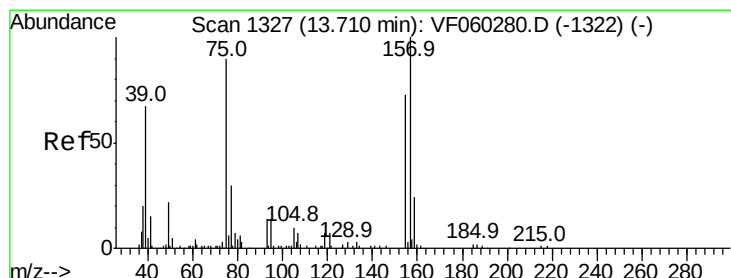
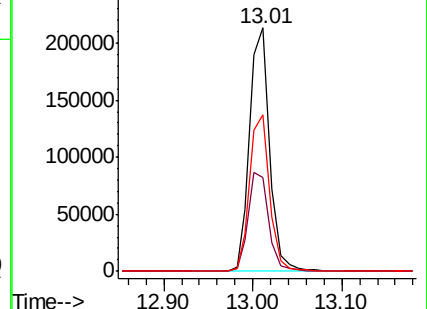
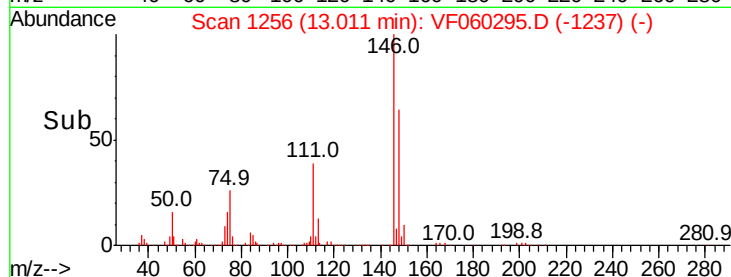
148 64.2 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.120 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060295.D

Acq: 20 Sep 2018 10:22

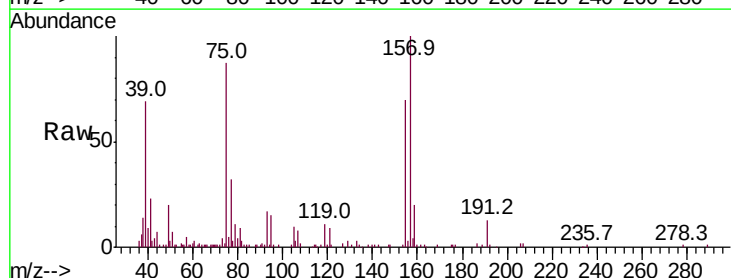
Tgt Ion: 75 Resp: 26654

Ion Ratio Lower Upper

75 100

155 80.2 41.9 125.7

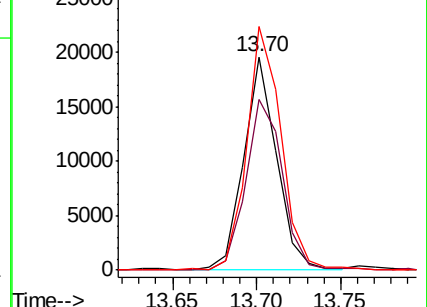
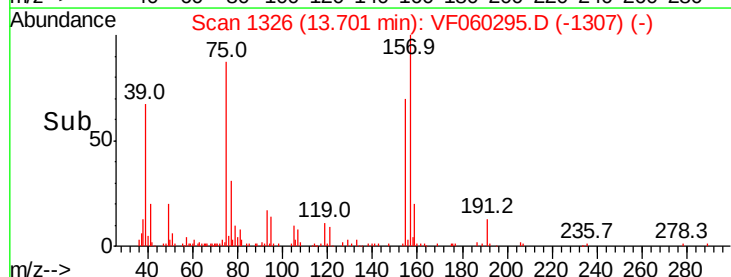
157 114.3 57.4 172.0

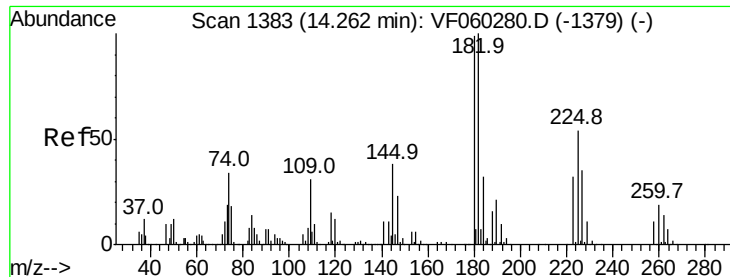


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

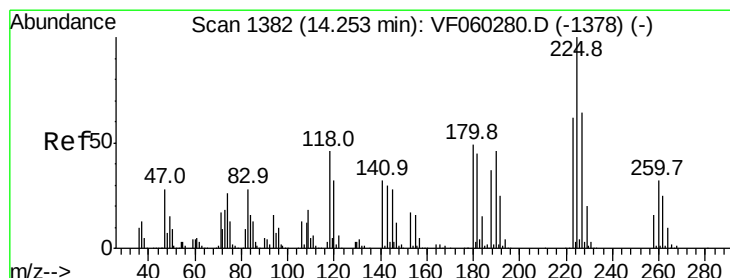
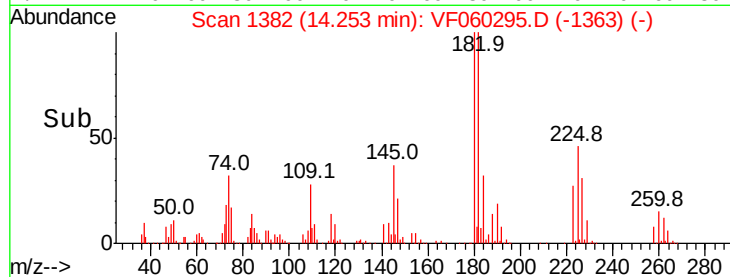
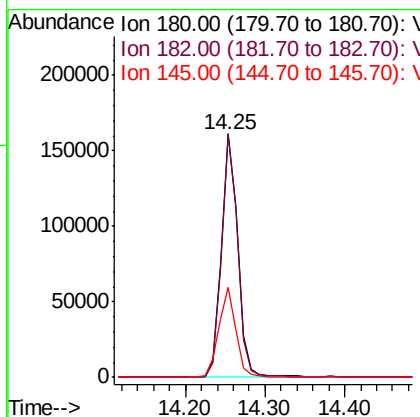
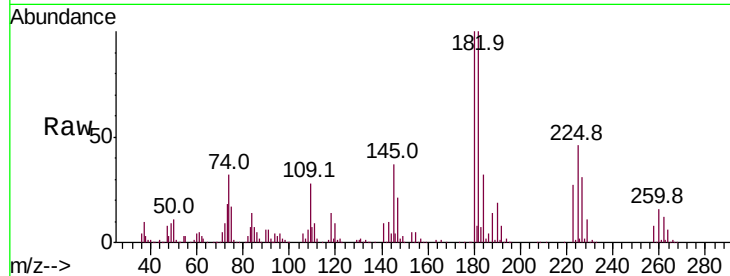




#93
 1,2,4-Trichlorobenzene
 Concen: 46.881 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

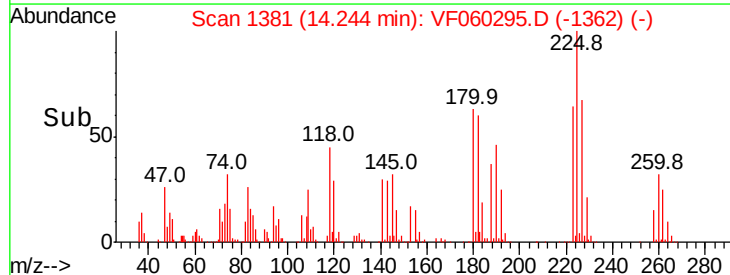
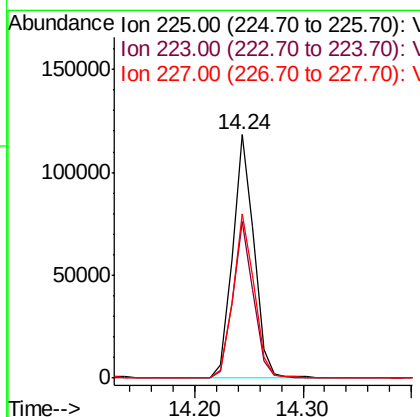
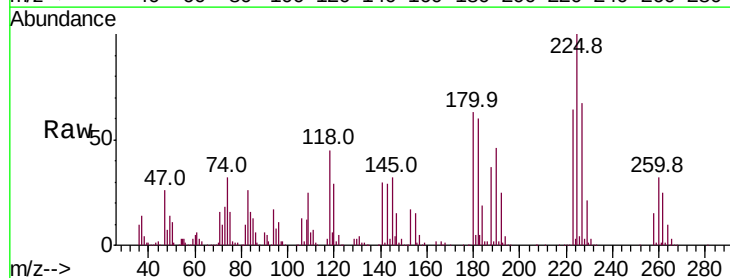
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

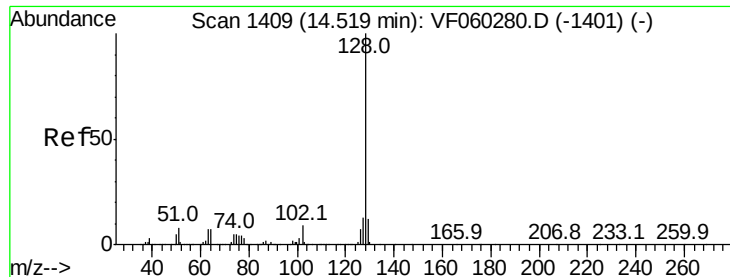
Tot Ion:180 Resp: 237670
 Ion Ratio Lower Upper
 180 100
 182 99.6 50.3 151.0
 145 36.7 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 47.407 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060295.D
 Acq: 20 Sep 2018 10:22

Tgt Ion:225 Resp: 162470
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.2 93.6
 227 67.4 32.2 96.6

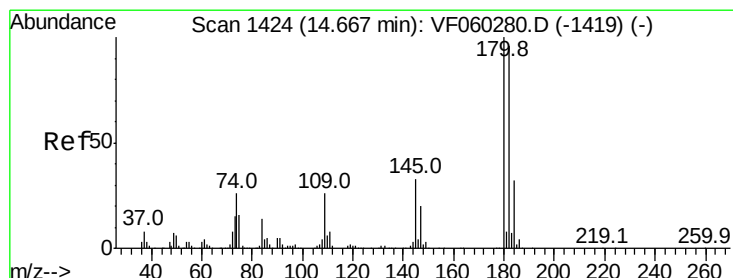
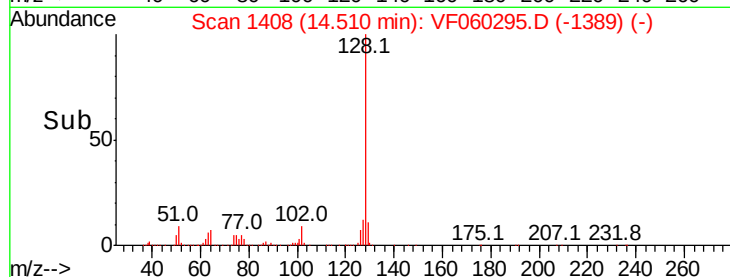
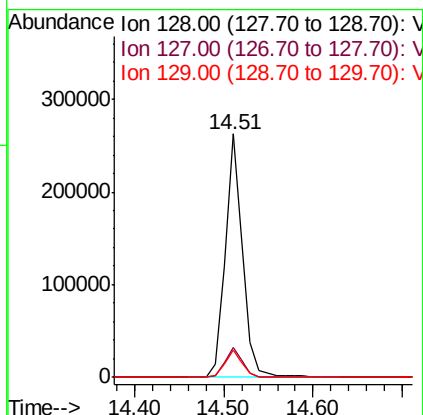
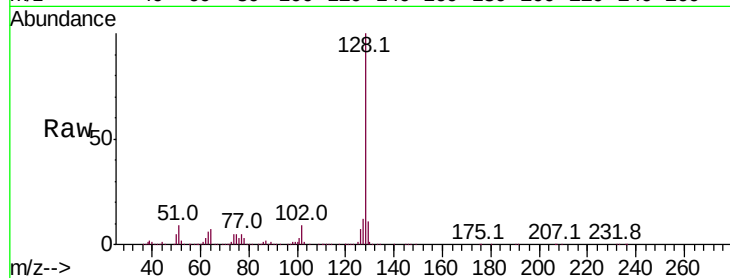




#95
Naphthalene
Concen: 40.830 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 362913
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.2 9.8 14.8



#96
1,2,3-Trichlorobenzene
Concen: 46.091 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060295.D
Acq: 20 Sep 2018 10:22

Tgt Ion:180 Resp: 215913
Ion Ratio Lower Upper
180 100
182 100.0 47.8 143.4
145 32.7 16.4 49.1

