

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060290.D
 Acq On : 19 Sep 2018 20:27
 Operator : VA/AP
 Sample : J4987-01RE
 Misc : 7.16/5mL/MSVOA_F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

Quant Time: Sep 20 04:15:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	248035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	420085	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	345703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	164121	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	136003	40.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.44%	
35) Dibromofluoromethane	4.28	113	150962	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	
50) Toluene-d8	7.70	98	329514	33.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.58%	
62) 4-Bromofluorobenzene	11.50	95	130291	30.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.82%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	0.99	85	215	Below Cal	#	40
3) Chloromethane	1.10	50	2780	0.822	ug/l #	68
4) Vinyl Chloride	1.14	62	369	0.107	ug/l #	76
5) Bromomethane	1.46	94	155	Below Cal		94
6) Chloroethane	1.41	64	63	0.038	ug/l #	1
7) Trichlorofluoromethane	1.53	101	261	0.041	ug/l	99
8) Diethyl Ether	1.79	74	376	0.352	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.89	101	195	0.057	ug/l #	25
10) Methyl Iodide	1.93	142	122	0.022	ug/l #	39
11) Tert butyl alcohol	2.66	59	791	Below Cal	#	1
12) 1,1-Dichloroethene	1.82	96	577	0.204	ug/l #	1
13) Acrolein	2.09	56	1007	Below Cal	#	68
14) Allyl chloride	2.20	41	1227	0.249	ug/l #	51
15) Acrylonitrile	3.03	53	505	1.071	ug/l #	48
16) Acetone	2.48	43	2402	2.554	ug/l	95
17) Carbon Disulfide	1.90	76	398	Below Cal	#	1
18) Methyl Acetate	2.48	43	2784	1.777	ug/l #	84
19) Methyl tert-butyl Ether	2.53	73	257	0.037	ug/l #	1
20) Methylene Chloride	2.27	84	6761	Below Cal	#	85
21) trans-1,2-Dichloroethene	2.41	96	823	0.282	ug/l #	1
22) Diisopropyl ether	2.92	45	2057	0.221	ug/l #	1
23) Vinyl Acetate	3.33	43	1409	0.386	ug/l #	79
24) 1,1-Dichloroethane	2.94	63	538	0.089	ug/l #	89
25) 2-Butanone	4.50	43	3786	2.990	ug/l #	76
26) 2,2-Dichloropropane	3.73	77	141	0.041	ug/l #	16
27) cis-1,2-Dichloroethene	3.60	96	324	0.085	ug/l	1
28) Bromochloromethane	3.86	49	64	0.027	ug/l #	78
29) Tetrahydrofuran	4.26	42	878	1.894	ug/l #	29
30) Chloroform	4.04	83	494	0.068	ug/l	91
31) Cyclohexane	3.86	56	361	0.071	ug/l #	8
32) 1,1,1-Trichloroethane	4.28	97	600	0.105	ug/l #	51
36) 1,1-Dichloropropene	4.44	75	384	0.073	ug/l #	16
37) Ethyl Acetate	4.26	43	1184	0.534	ug/l #	1
38) Carbon Tetrachloride	4.20	117	63	0.011	ug/l #	14

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	1133	0.200	ug/l #	55
40) Benzene	4.79	78	15853	1.334	ug/l	98
41) Methacrylonitrile	4.91	41	895	0.744	ug/l #	69
42) 1,2-Dichloroethane	5.11	62	158	0.036	ug/l	79
43) Isopropyl Acetate	7.10	43	1477	0.553	ug/l #	69
44) Trichloroethene	5.66	130	127	0.036	ug/l	95
45) 1,2-Dichloropropane	6.40	63	211	0.069	ug/l #	40
46) Dibromomethane	6.28	93	63	0.029	ug/l #	5
47) Bromodichloromethane	6.54	83	132	0.025	ug/l #	26
48) Methyl methacrylate	6.83	41	749	0.400	ug/l #	37
49) 1,4-Dioxane	6.87	88	181	10.813	ug/l #	1
51) 4-Methyl-2-Pentanone	8.30	43	602	0.293	ug/l	91
52) Toluene	7.77	92	44209	5.882	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	64	0.015	ug/l #	42
54) cis-1,3-Dichloropropene	7.44	75	131	0.024	ug/l #	1
55) 1,1,2-Trichloroethane	8.60	97	213	0.093	ug/l #	47
56) Ethyl methacrylate	8.74	69	2073	0.752	ug/l #	32
57) 1,3-Dichloropropane	9.00	76	196	0.052	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.77	63	7577	31.108	ug/l	100
59) 2-Hexanone	9.62	43	13909	9.496	ug/l	82
60) Dibromochloromethane	8.97	129	89	0.026	ug/l #	13
61) 1,2-Dibromoethane	9.08	107	64	0.025	ug/l #	4
64) Tetrachloroethene	8.30	164	133	0.042	ug/l #	24
65) Chlorobenzene	9.94	112	701	0.089	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.05	131	77	0.024	ug/l #	1
67) Ethyl Benzene	10.02	91	2999	0.207	ug/l #	83
68) m/p-Xylenes	10.25	106	1237	0.247	ug/l #	72
69) o-Xylene	10.81	106	947	0.169	ug/l	72
70) Styrene	10.89	104	1622	0.205	ug/l #	85
71) Bromoform	10.88	173	69	0.039	ug/l #	31
73) Isopropylbenzene	11.22	105	1809	0.123	ug/l	91
74) N-amyl acetate	11.45	43	5341	1.700	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	322	0.123	ug/l #	27
76) 1,2,3-Trichloropropane	11.88	75	347	0.186	ug/l #	1
77) Bromobenzene	11.59	156	288	0.091	ug/l	80
78) n-propylbenzene	11.68	91	3201	Below Cal	#	76
79) 2-Chlorotoluene	11.80	91	1252	0.126	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.91	105	1918	0.162	ug/l #	45
81) trans-1,4-Dichloro-2-buten	11.98	75	239	0.242	ug/l #	1
82) 4-Chlorotoluene	11.99	91	1713	0.171	ug/l	75
83) tert-Butylbenzene	12.21	119	1481	0.123	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	2382	0.198	ug/l	74
85) sec-Butylbenzene	12.38	105	2020	Below Cal		90
86) p-Isopropyltoluene	12.54	119	2051	Below Cal		82
87) 1,3-Dichlorobenzene	12.55	146	907	0.153	ug/l #	72
88) 1,4-Dichlorobenzene	12.64	146	1175	0.200	ug/l #	1
89) n-Butylbenzene	12.91	91	3011	Below Cal		90
90) Hexachloroethane	13.11	117	157	0.047	ug/l	68
91) 1,2-Dichlorobenzene	13.02	146	1025	0.181	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	13.72	75	185	0.377	ug/l #	1

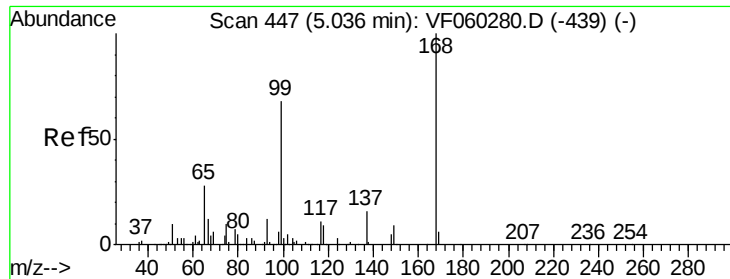
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	1886	0.458	ug/l	74
94) Hexachlorobutadiene	14.25	225	203	0.073	ug/l #	35
95) Naphthalene	14.52	128	8224	1.140	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.67	180	1683	0.443	ug/l	81

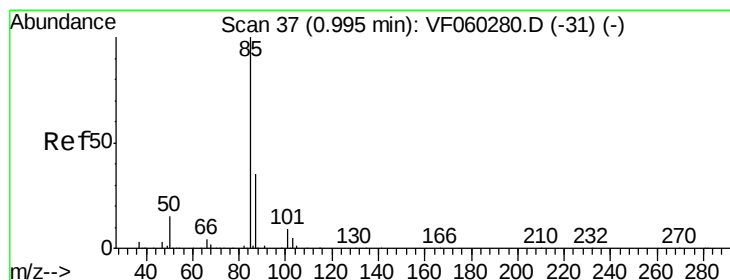
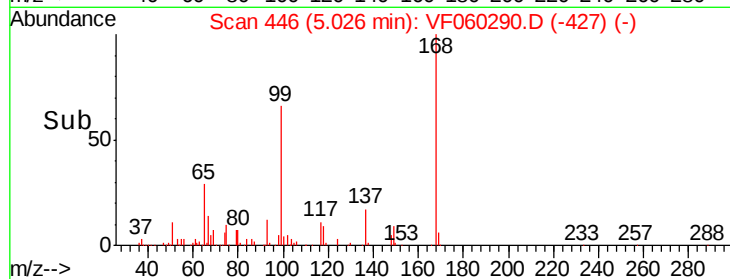
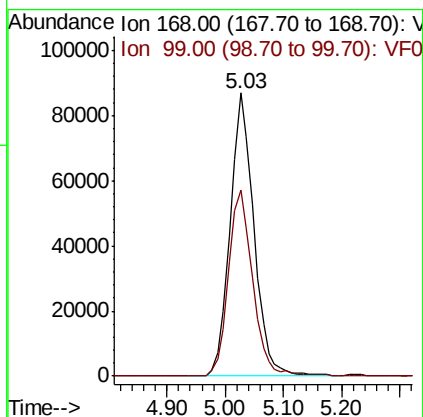
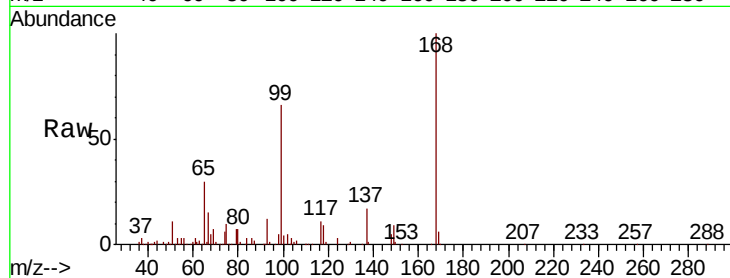
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 446
Delta R.T. -0.01 min
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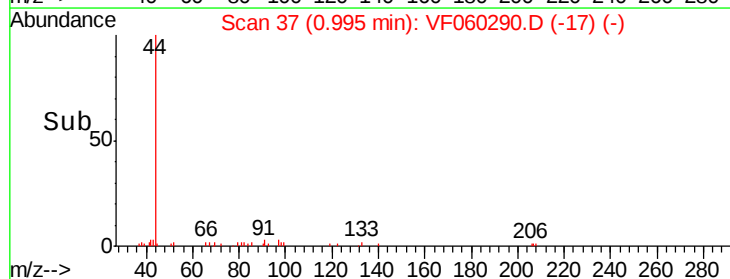
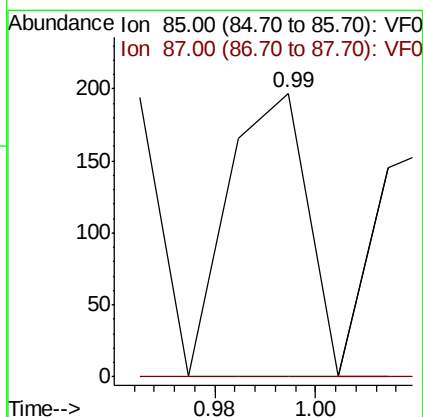
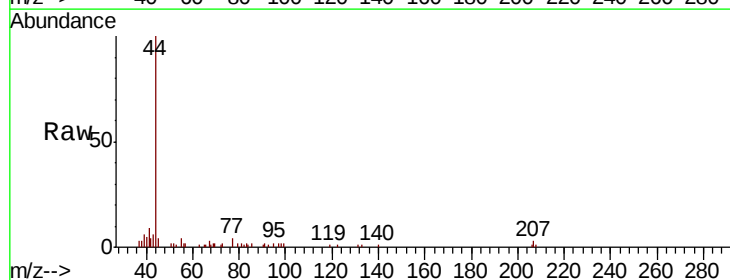
Instrument :
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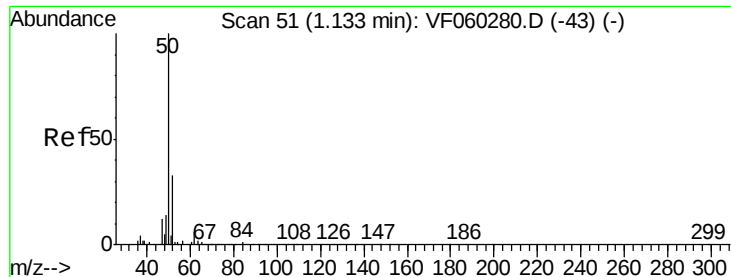
Tgt Ion: 168 Resp: 248035
Ion Ratio Lower Upper
168 100
99 65.9 54.8 82.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 0.99 min Scan# 37
Delta R.T. 0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 85 Resp: 215
Ion Ratio Lower Upper
85 100
87 0.0 17.3 52.0#





#3

Chloromethane

Concen: 0.822 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.03 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

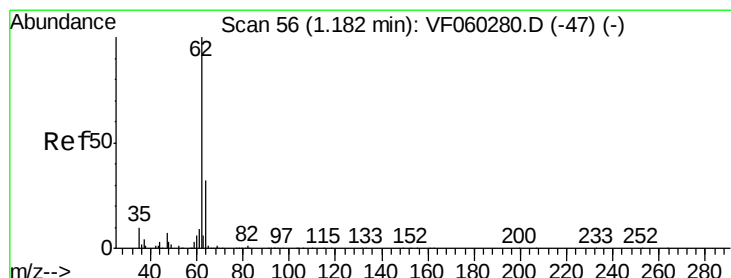
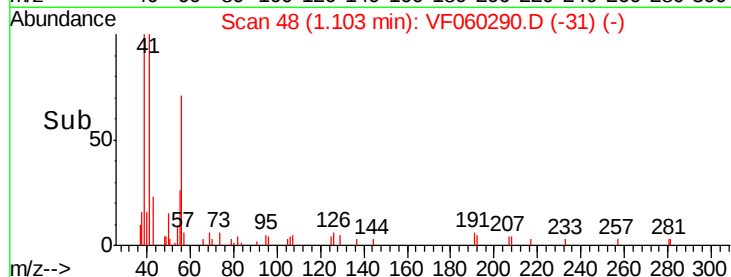
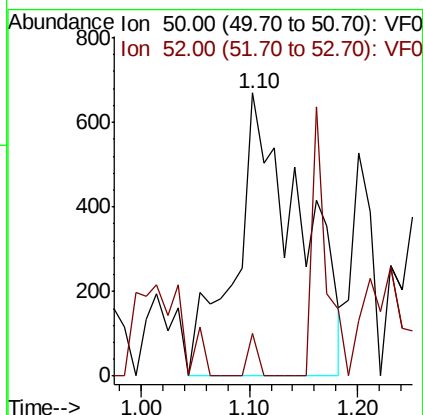
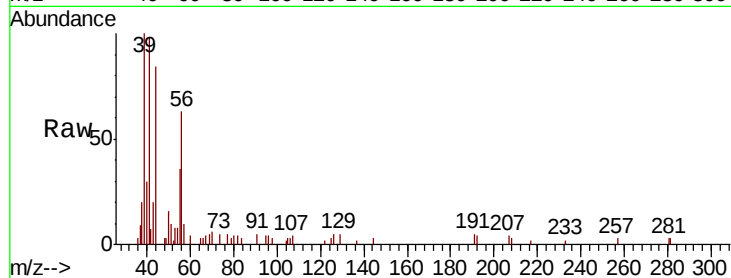
RBR200036

Tgt Ion: 50 Resp: 2780

Ion Ratio Lower Upper

50 100

52 15.2 26.5 39.7#



#4

Vinyl Chloride

Concen: 0.107 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.04 min

Lab File: VF060290.D

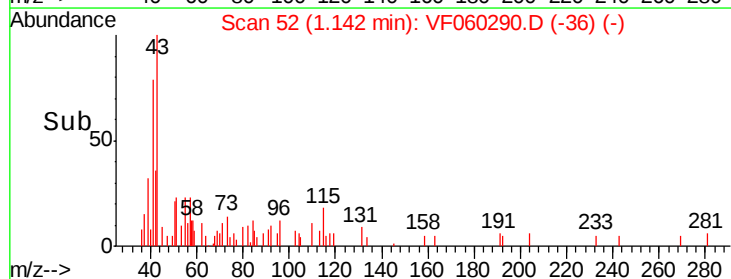
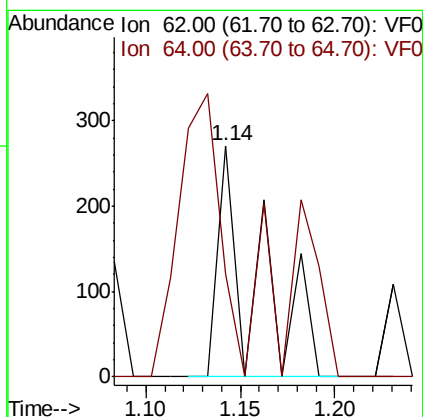
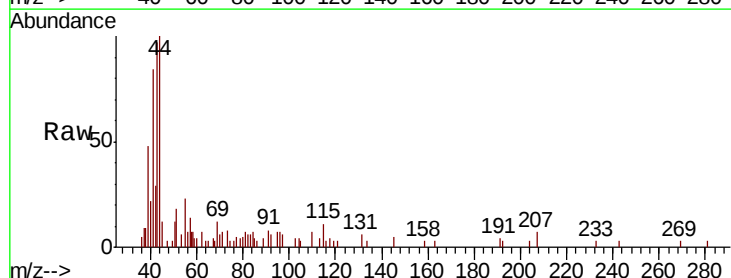
Acq: 19 Sep 2018 20:27

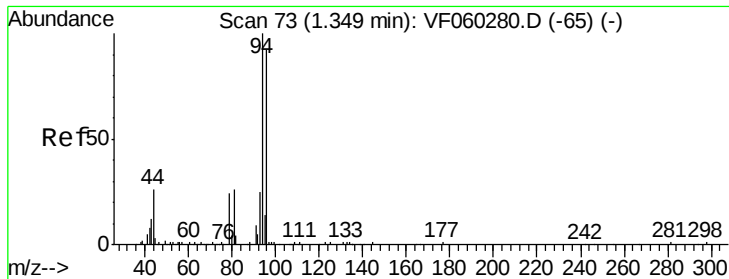
Tgt Ion: 62 Resp: 369

Ion Ratio Lower Upper

62 100

64 44.6 25.2 37.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.46 min Scan# 84

Delta R.T. 0.11 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

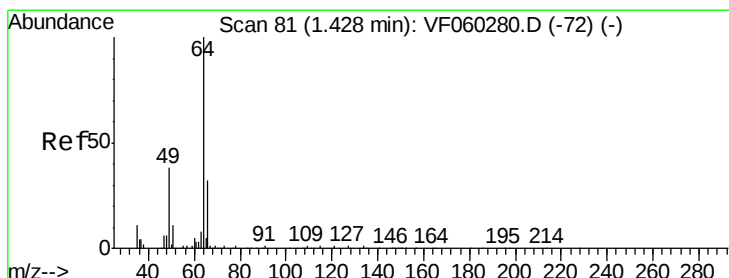
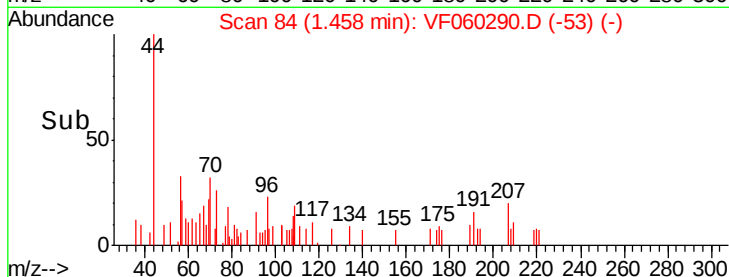
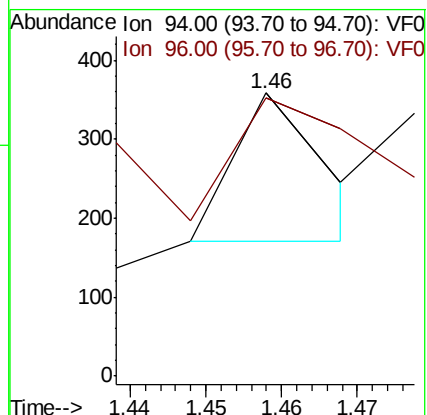
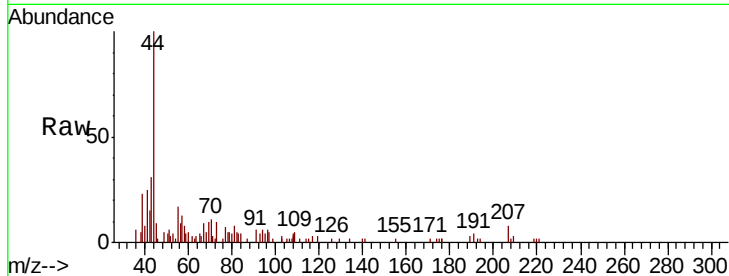
RBR200036

Tgt Ion: 94 Resp: 155

Ion Ratio Lower Upper

94 100

96 98.6 73.9 110.9



#6

Chloroethane

Concen: 0.038 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.02 min

Lab File: VF060290.D

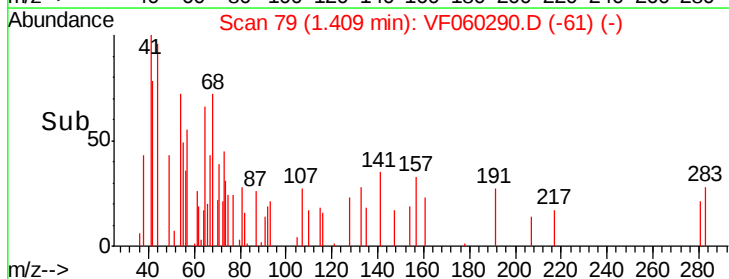
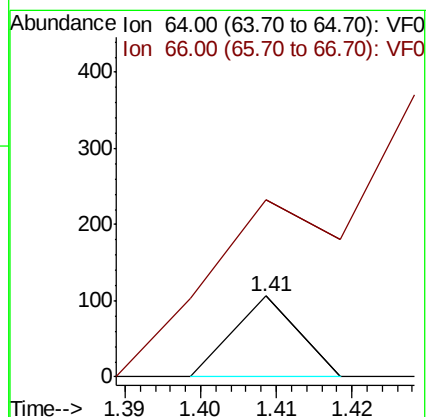
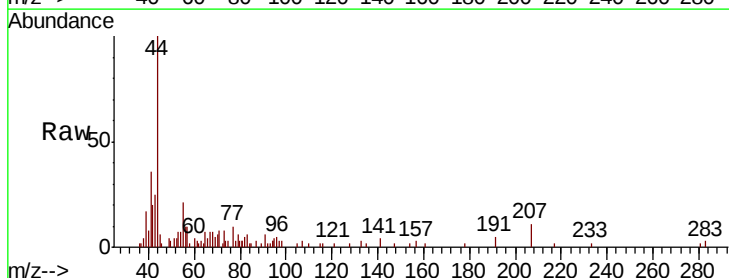
Acq: 19 Sep 2018 20:27

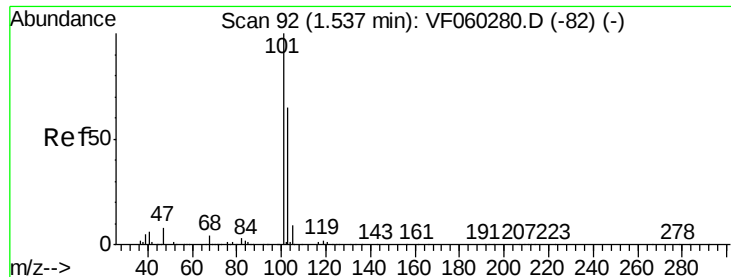
Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

64 100

66 219.8 26.2 39.2#



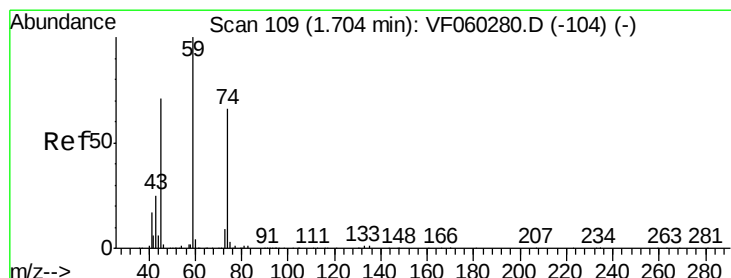
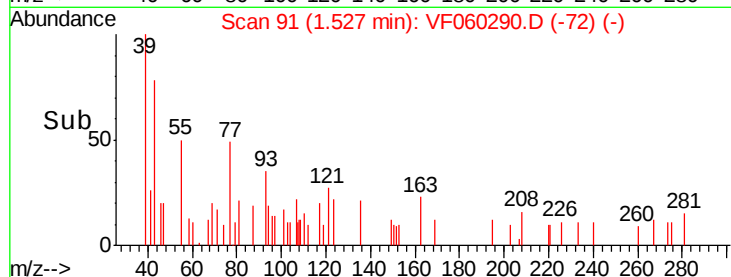
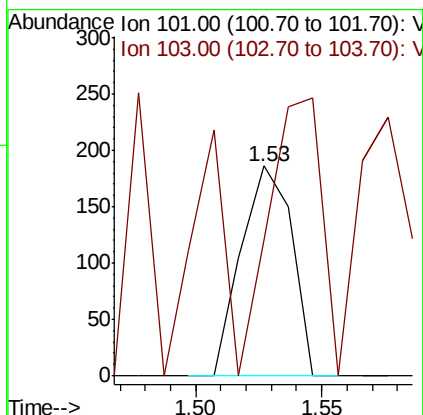
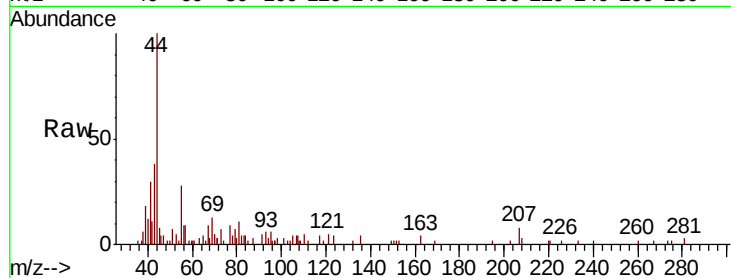


#7

Trichlorofluoromethane
Concen: 0.041 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.01 min
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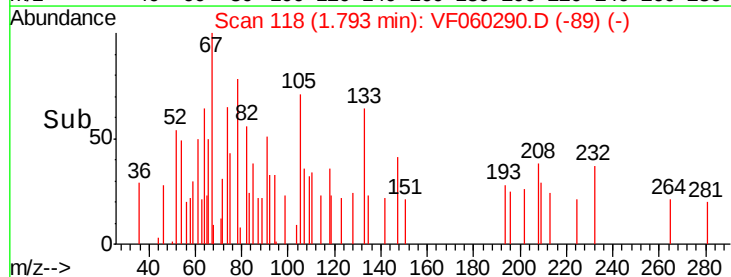
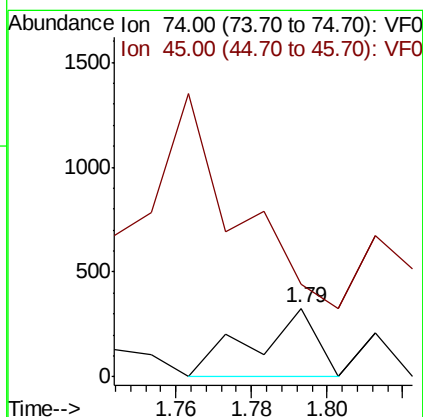
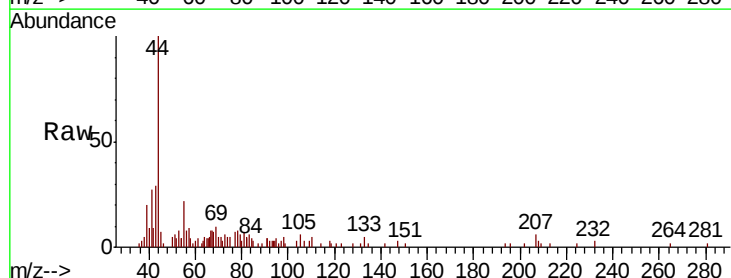
Tgt Ion:101 Resp: 261
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

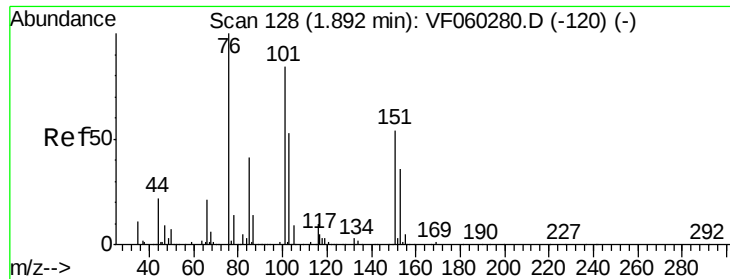


#8

Diethyl Ether
Concen: 0.352 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.09 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 74 Resp: 376
Ion Ratio Lower Upper
74 100
45 136.2 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.057 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

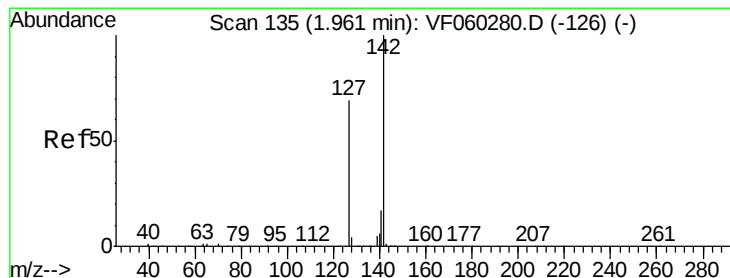
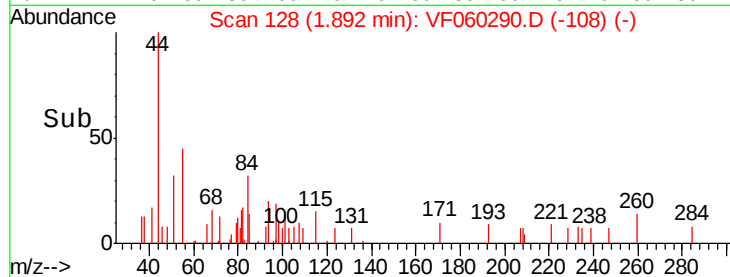
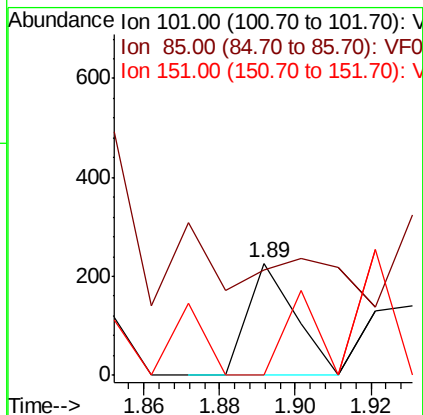
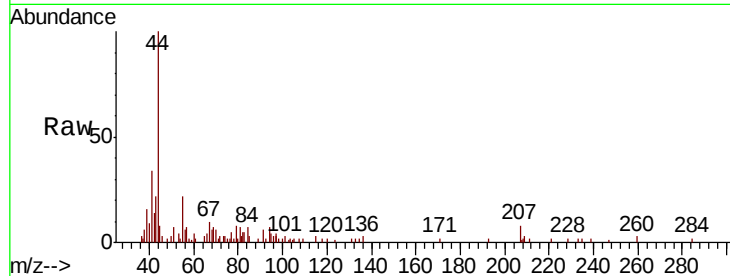
Instrument :

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ClientSampleId :

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Tgt Ion:	101	Resp:	195
Ion	Ratio	Lower	Upper
101	100		
85	93.8	38.7	58.1#
151	0.0	50.8	76.2#



#10

Methyl Iodide

Concen: 0.022 ug/l

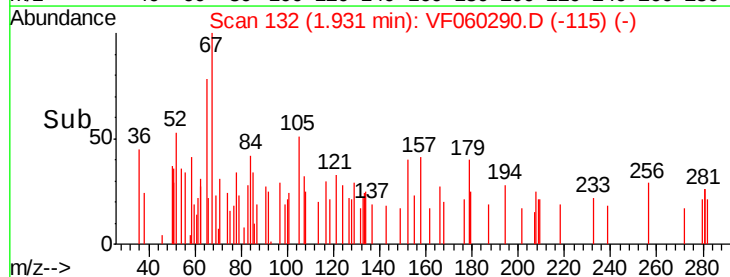
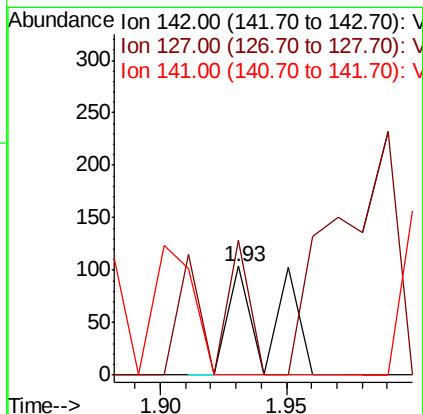
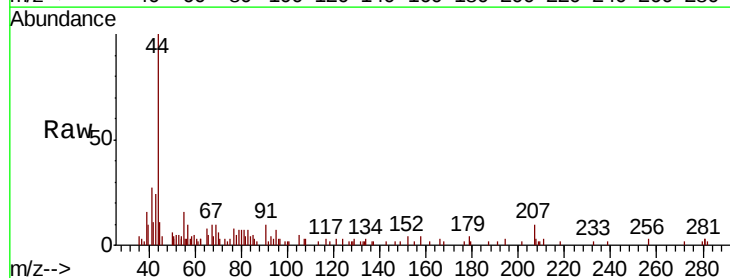
RT: 1.93 min Scan# 132

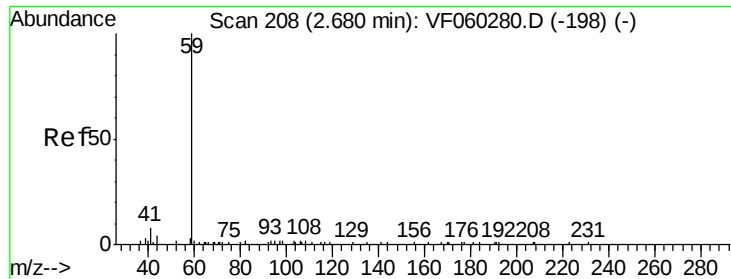
Delta R.T. -0.03 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Tgt Ion:	142	Resp:	122
Ion	Ratio	Lower	Upper
142	100		
127	123.1	55.4	83.0#
141	0.0	13.3	19.9#



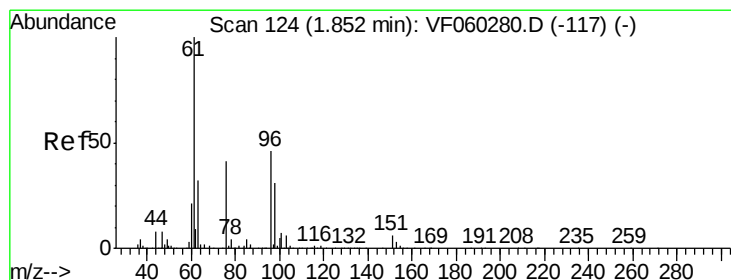
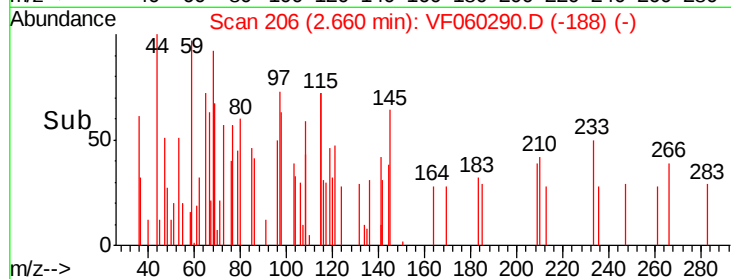
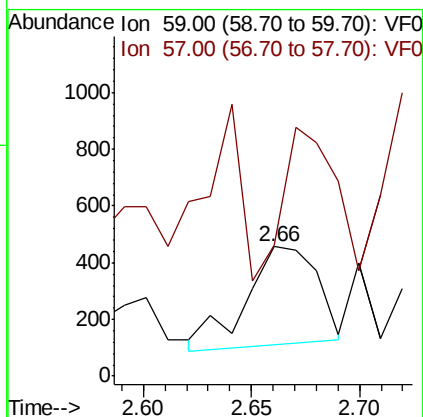
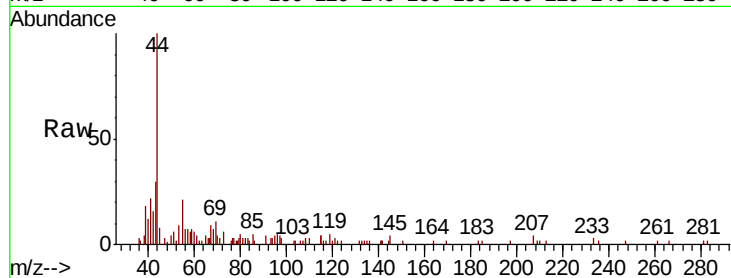


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.66 min Scan# 206
Delta R.T. -0.02 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
RBR200036

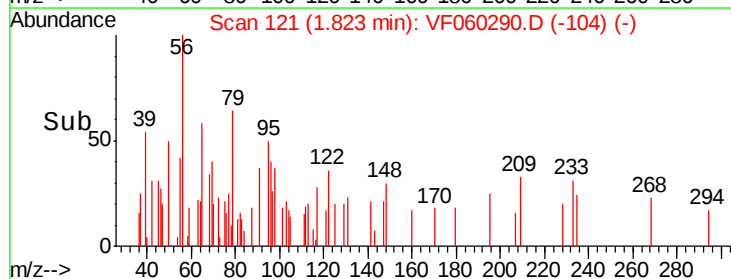
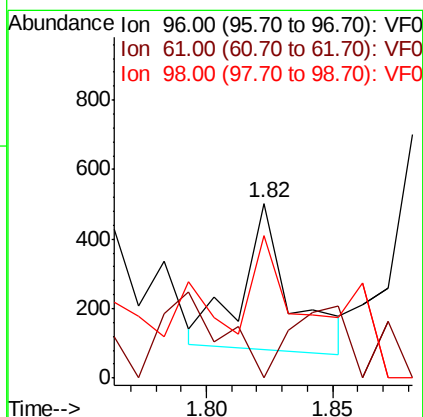
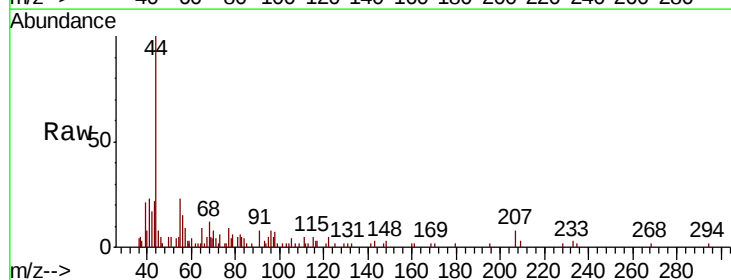
Tgt Ion: 59 Resp: 791
Ion Ratio Lower Upper
59 100
57 100.9 12.4 18.6#

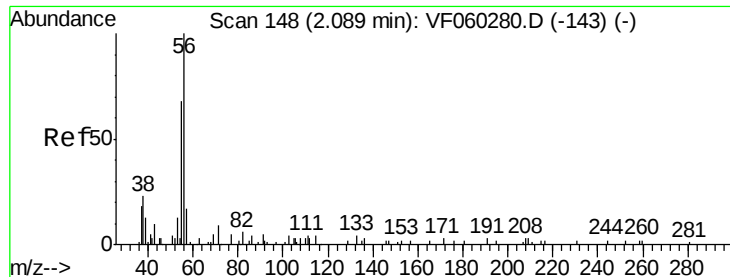


#12

1,1-Dichloroethene
Concen: 0.204 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.03 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 96 Resp: 577
Ion Ratio Lower Upper
96 100
61 0.0 172.2 258.2#
98 81.5 54.1 81.1#





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

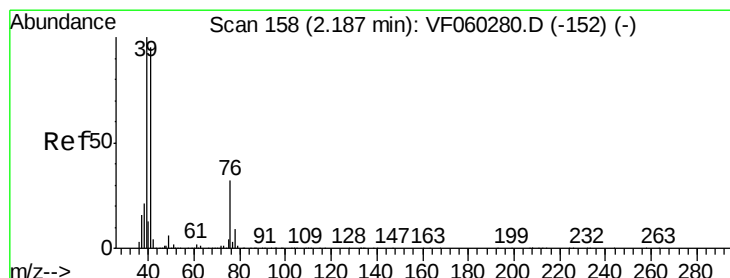
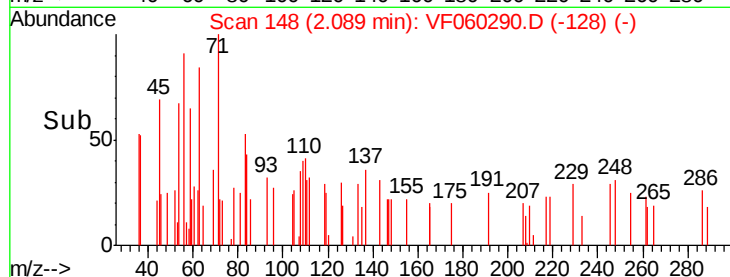
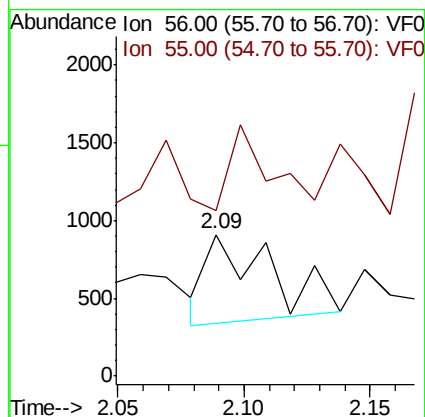
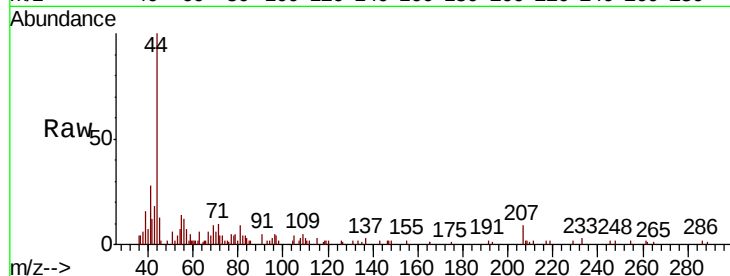
RBR200036

Tgt Ion: 56 Resp: 1007

Ion Ratio Lower Upper

56 100

55 116.7 69.9 104.9#



#14

Allyl chloride

Concen: 0.249 ug/l

RT: 2.20 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

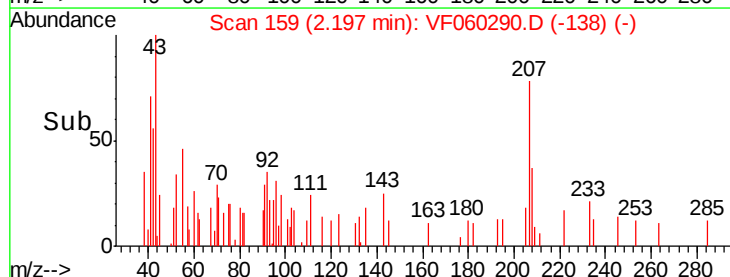
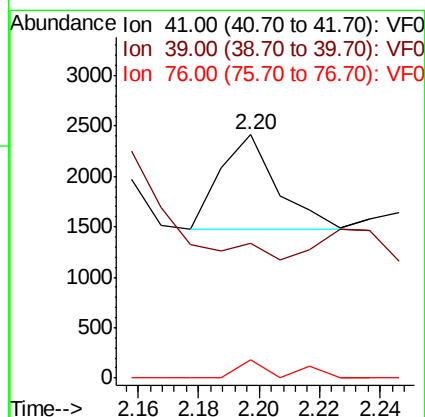
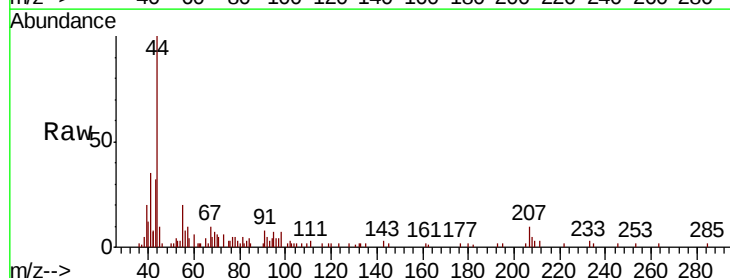
Tgt Ion: 41 Resp: 1227

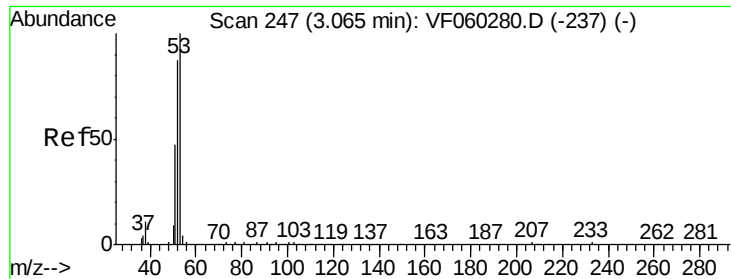
Ion Ratio Lower Upper

41 100

39 55.1 84.8 127.2#

76 7.4 27.4 41.2#





#15

Acrylonitrile

Concen: 1.071 ug/l

RT: 3.03 min Scan# 243

Delta R.T. -0.04 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

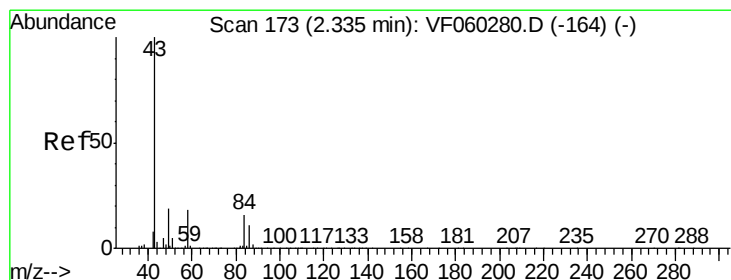
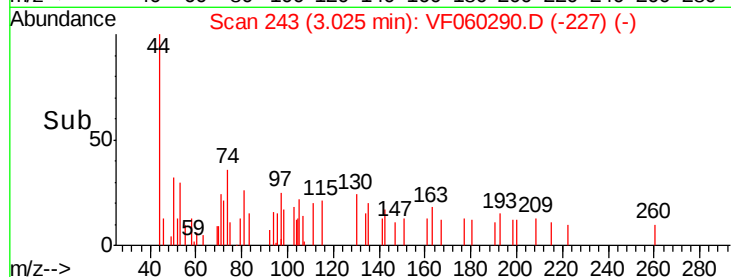
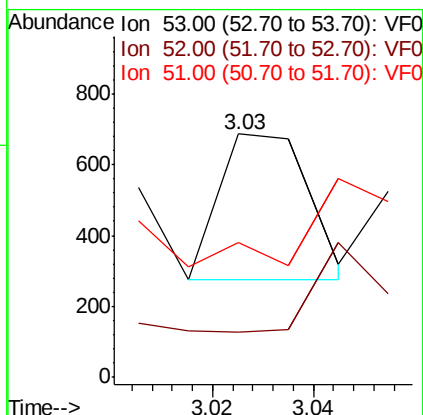
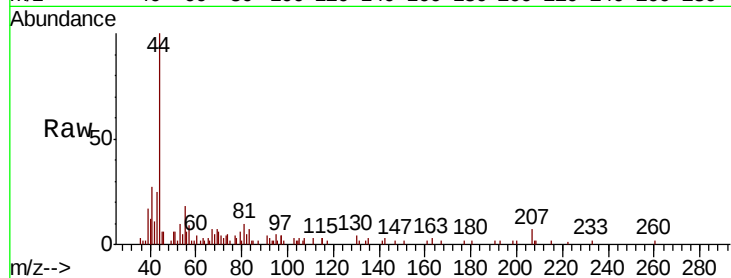
Tgt Ion: 53 Resp: 505

Ion Ratio Lower Upper

53 100

52 18.6 69.5 104.3#

51 55.5 38.1 57.1



#16

Acetone

Concen: 2.554 ug/l

RT: 2.48 min Scan# 188

Delta R.T. 0.15 min

Lab File: VF060290.D

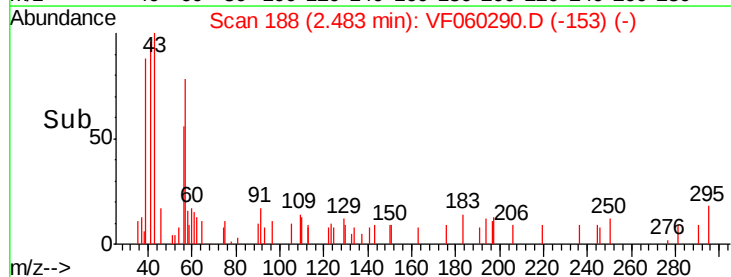
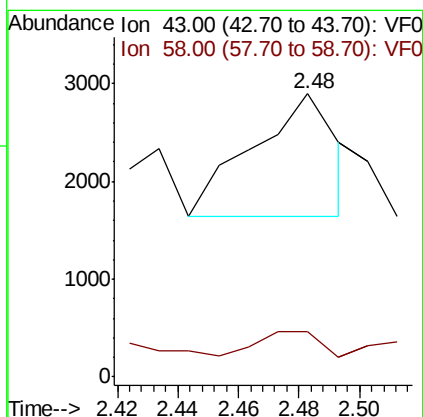
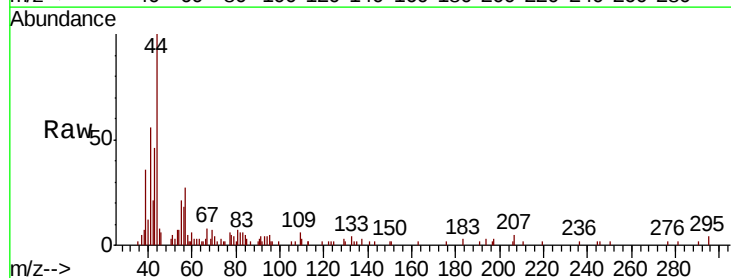
Acq: 19 Sep 2018 20:27

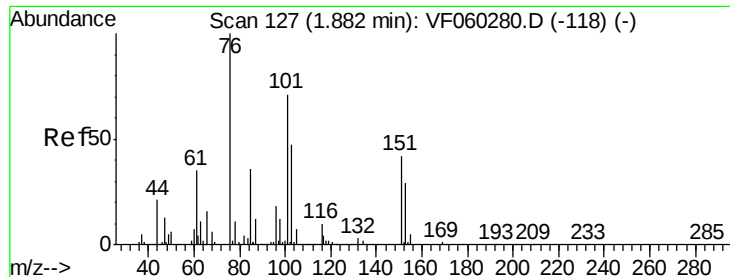
Tgt Ion: 43 Resp: 2402

Ion Ratio Lower Upper

43 100

58 15.9 14.5 21.7





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.90 min Scan# 129

Delta R.T. 0.02 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

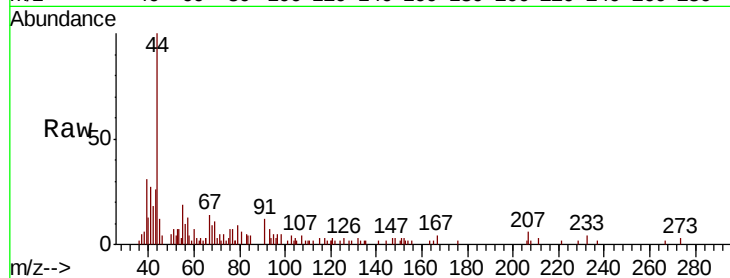
RBR200036

Tgt Ion: 76 Resp: 398

Ion Ratio Lower Upper

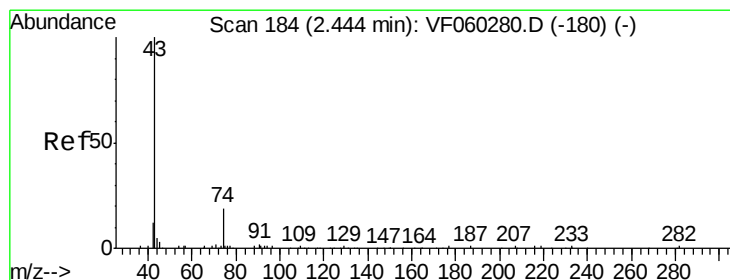
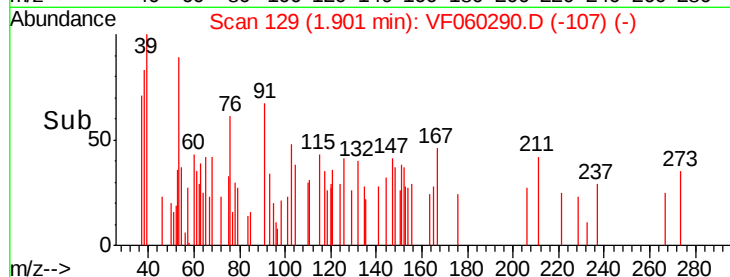
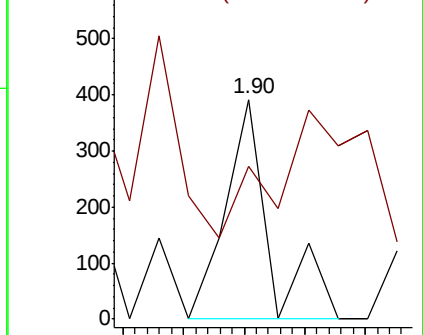
76 100

78 69.6 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 1.777 ug/l

RT: 2.48 min Scan# 188

Delta R.T. 0.04 min

Lab File: VF060290.D

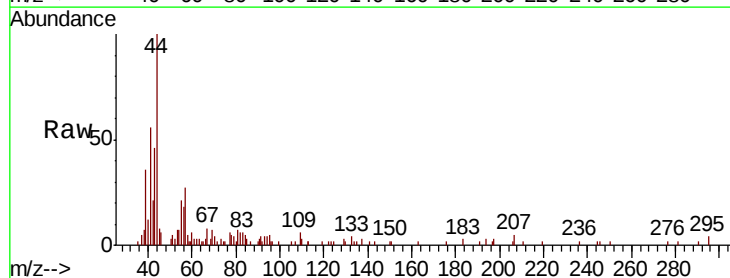
Acq: 19 Sep 2018 20:27

Tgt Ion: 43 Resp: 2784

Ion Ratio Lower Upper

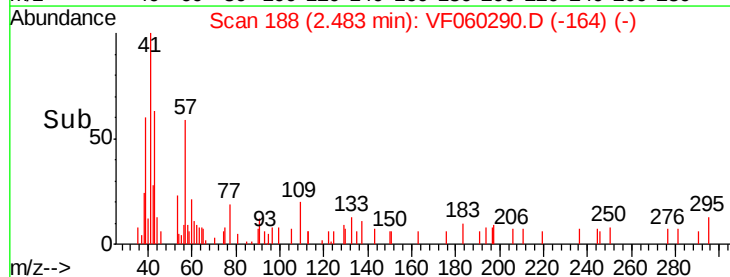
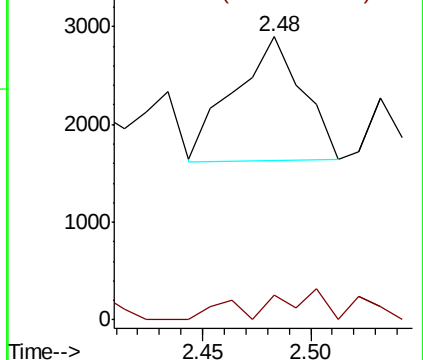
43 100

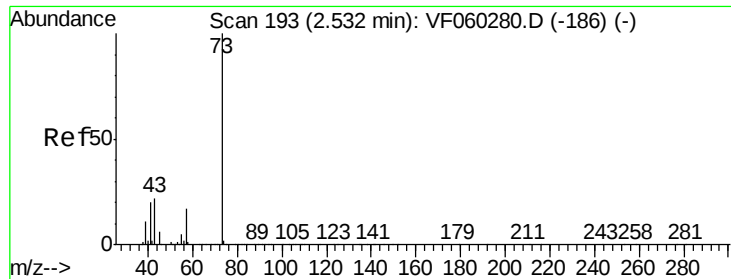
74 8.9 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



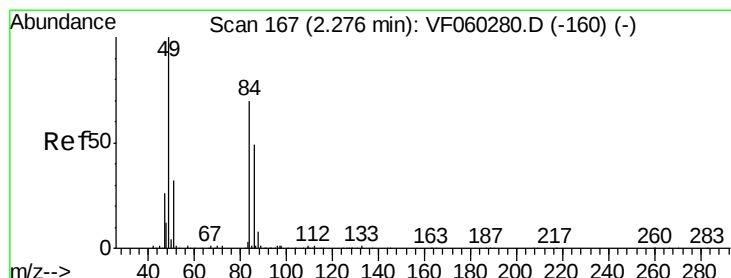
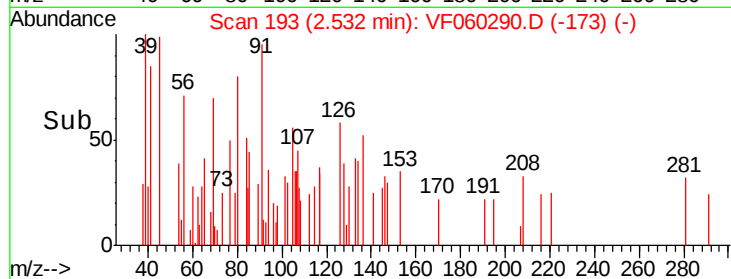
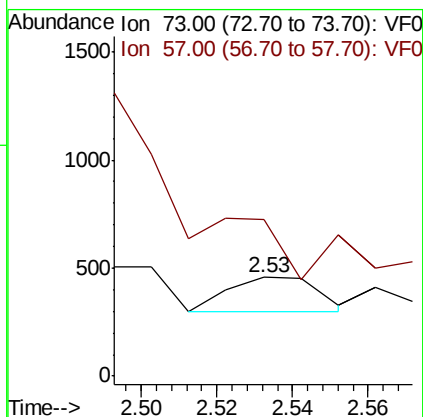
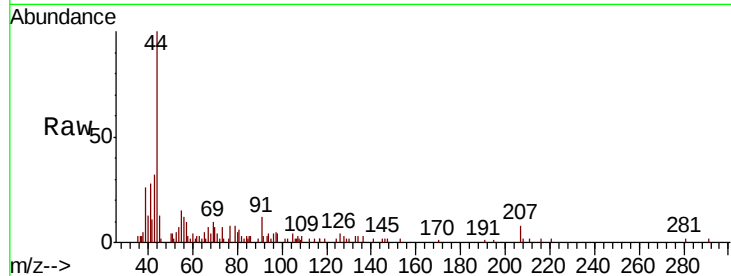


#19

Methyl tert-butyl Ether
 Concen: 0.037 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

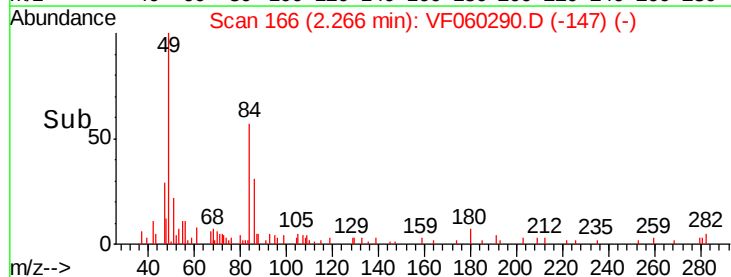
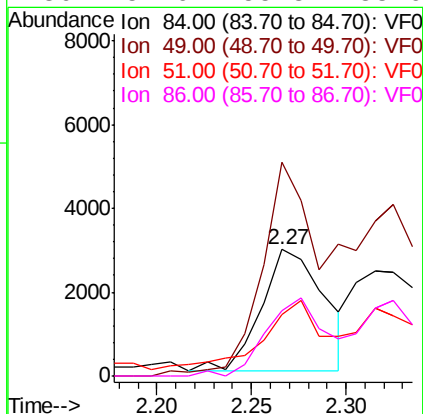
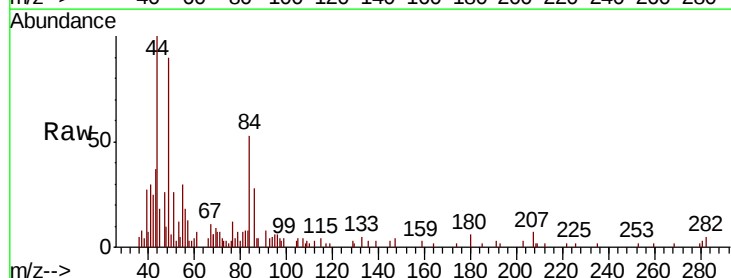
Tgt Ion: 73 Resp: 257
 Ion Ratio Lower Upper
 73 100
 57 159.4 14.5 21.7#

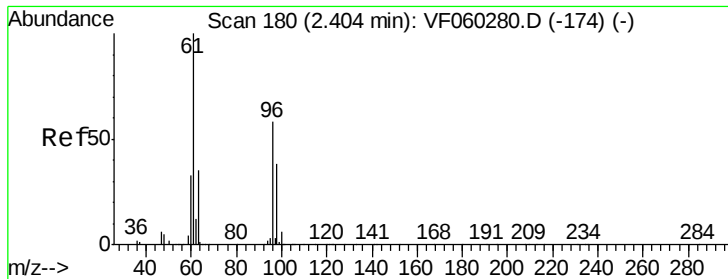


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Tgt Ion: 84 Resp: 6761
 Ion Ratio Lower Upper
 84 100
 49 169.3 118.3 177.5
 51 48.5 38.7 58.1
 86 51.6 55.8 83.6#





#21

trans-1,2-Dichloroethene

Concen: 0.282 ug/l

RT: 2.41 min Scan# 181

Delta R.T. 0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

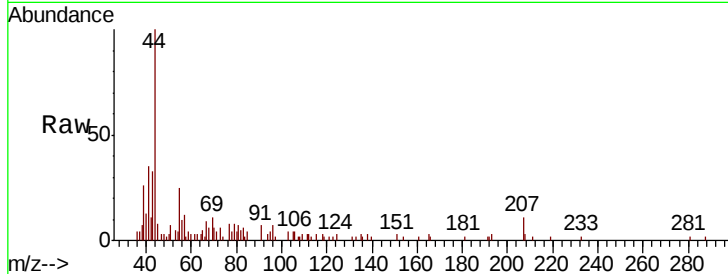
Tgt Ion: 96 Resp: 823

Ion Ratio Lower Upper

96 100

61 0.0 136.4 204.6#

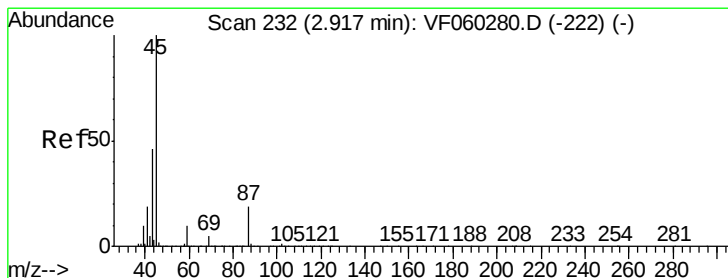
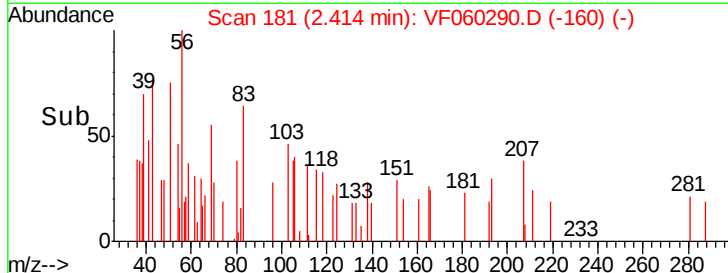
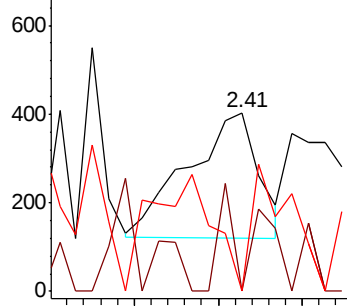
98 0.0 51.8 77.6#



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



#22

Diisopropyl ether

Concen: 0.221 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Tgt Ion: 45 Resp: 2057

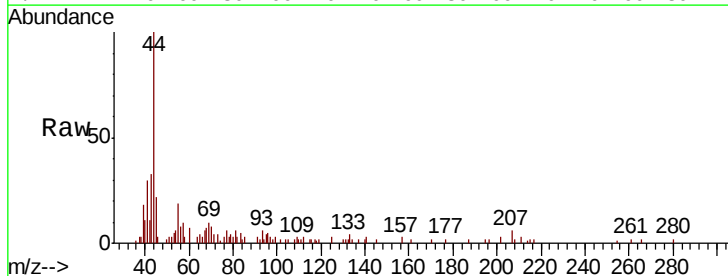
Ion Ratio Lower Upper

45 100

43 153.8 38.2 57.2#

87 0.0 15.5 23.3#

59 0.0 7.7 11.5#

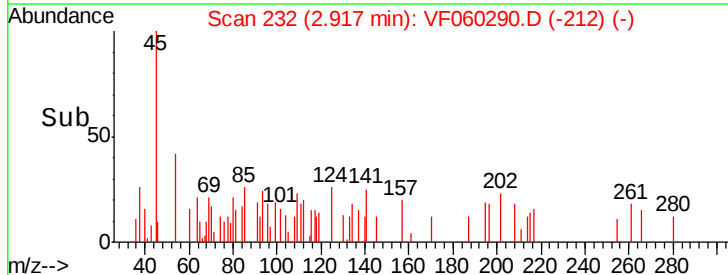
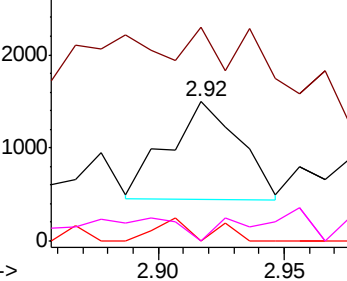


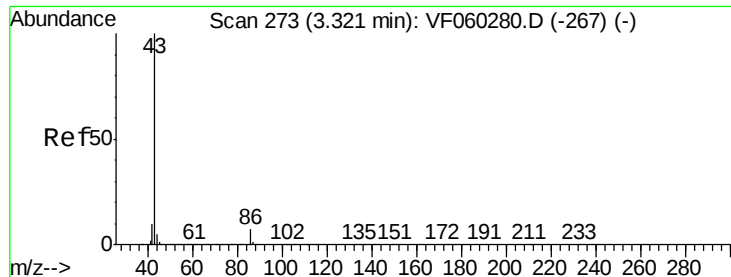
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 0.386 ug/l

RT: 3.33 min Scan# 274

Delta R.T. 0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

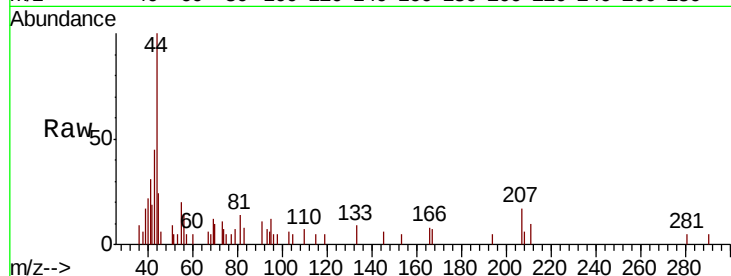
RBR200036

Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

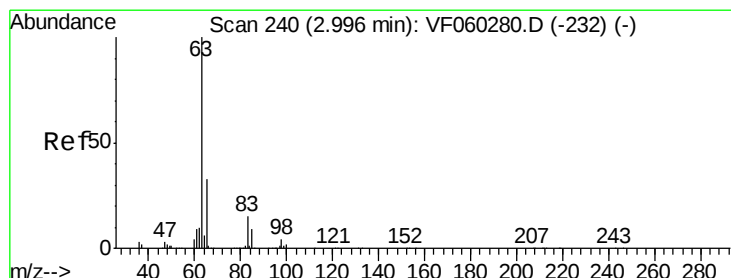
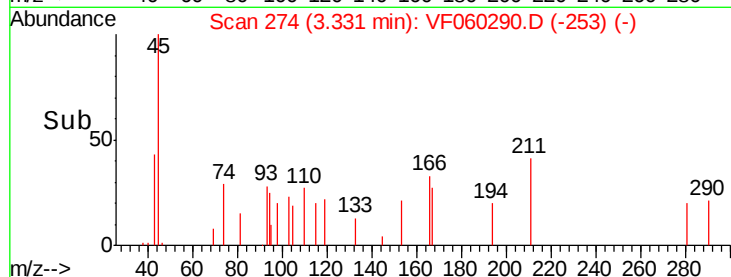
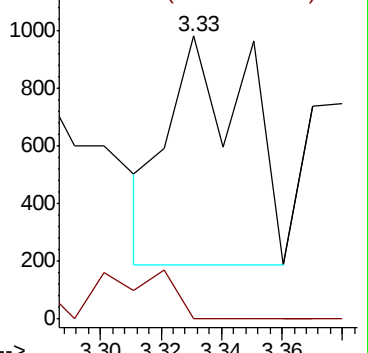
43 100

86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 0.089 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.06 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

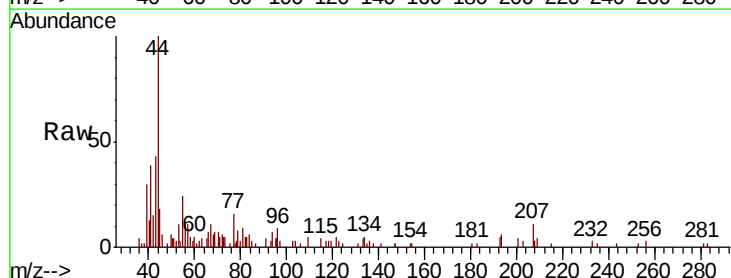
Tgt Ion: 63 Resp: 538

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.5#

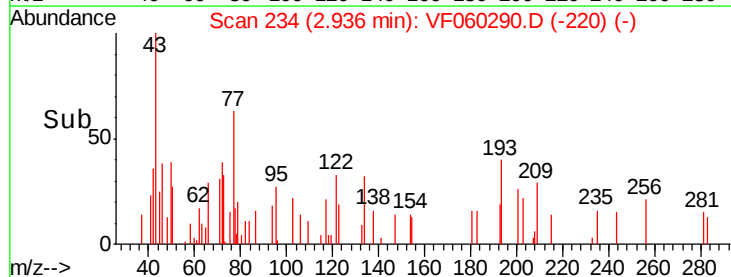
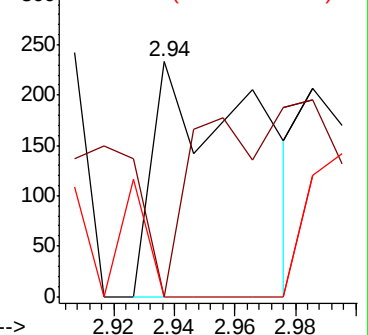
100 0.0 1.1 3.3#

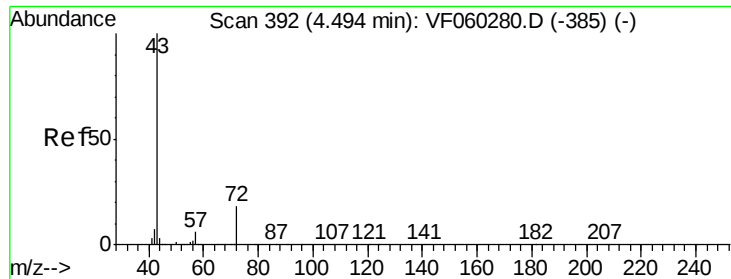


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 2.990 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

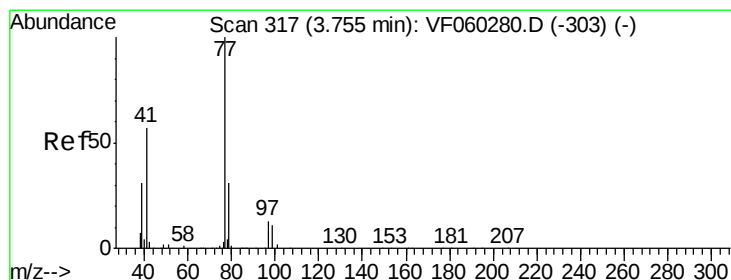
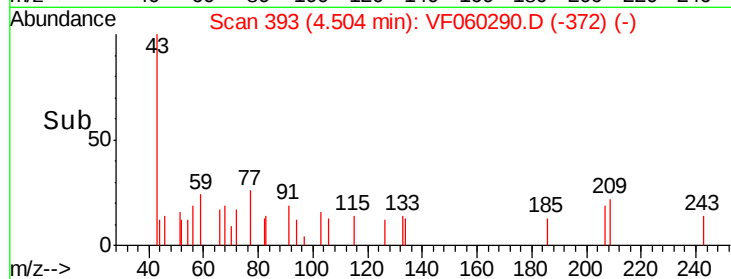
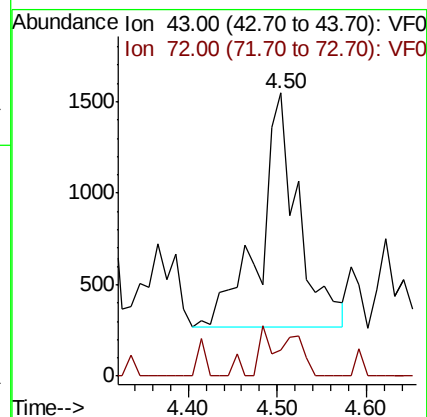
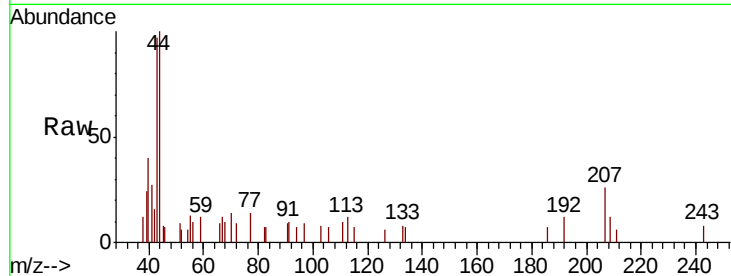
RBR200036

Tgt Ion: 43 Resp: 3786

Ion Ratio Lower Upper

43 100

72 9.3 16.2 24.2#



#26

2,2-Dichloropropane

Concen: 0.041 ug/l

RT: 3.73 min Scan# 315

Delta R.T. -0.02 min

Lab File: VF060290.D

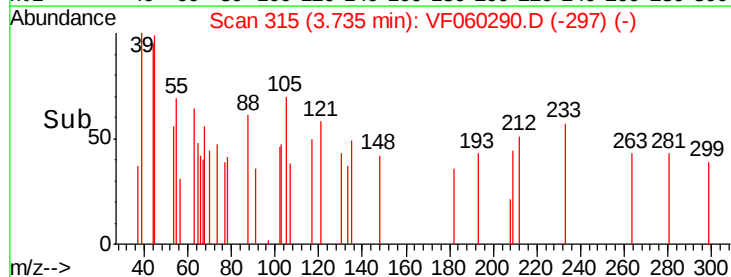
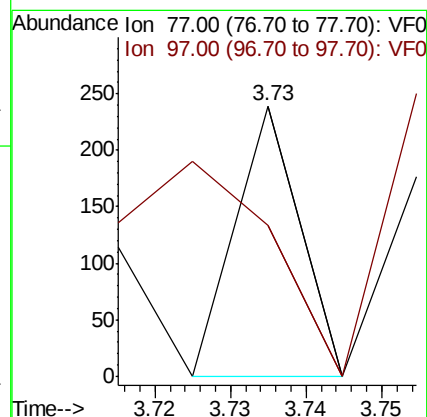
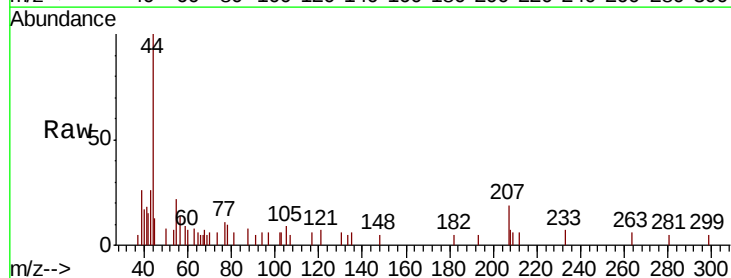
Acq: 19 Sep 2018 20:27

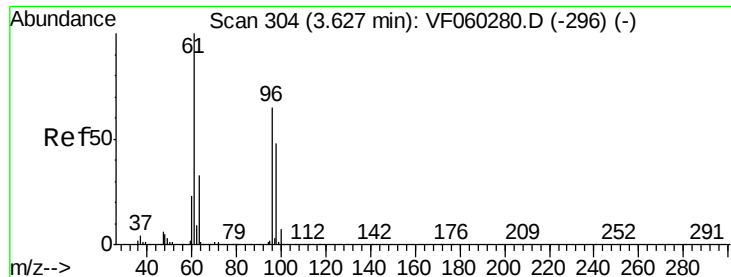
Tgt Ion: 77 Resp: 141

Ion Ratio Lower Upper

77 100

97 56.1 9.3 27.9#



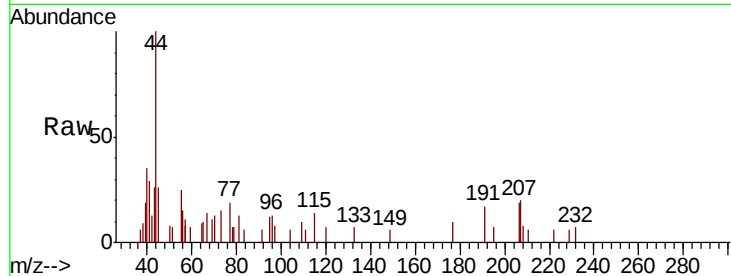


#27

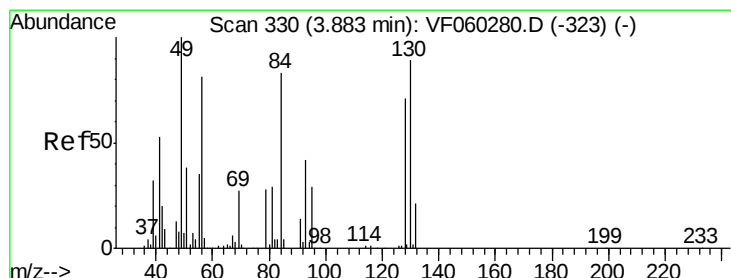
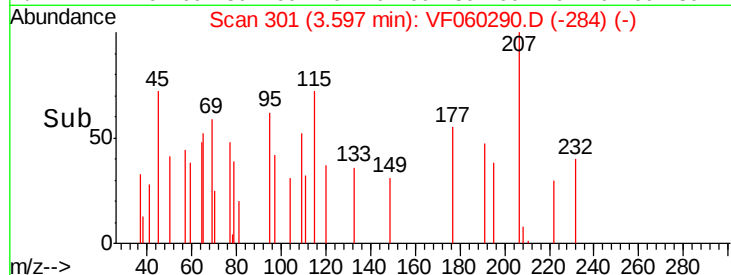
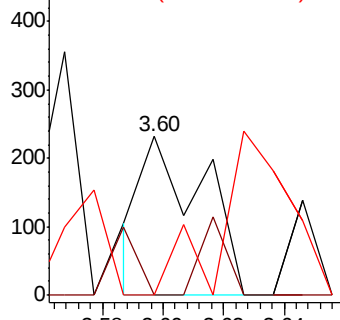
cis-1,2-Dichloroethene
Concen: 0.085 ug/l
RT: 3.60 min Scan# 301
Delta R.T. -0.03 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Instrument :
MSVOA_F
ClientSampleID :
RBR200036

Tgt Ion: 96 Resp: 324
Ion Ratio Lower Upper
96 100
61 0.0 0.0 304.8
98 0.0 0.0 146.4



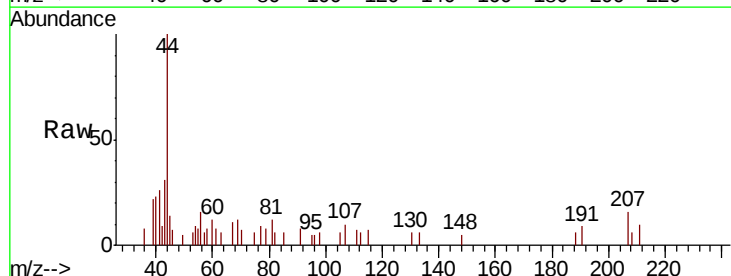
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



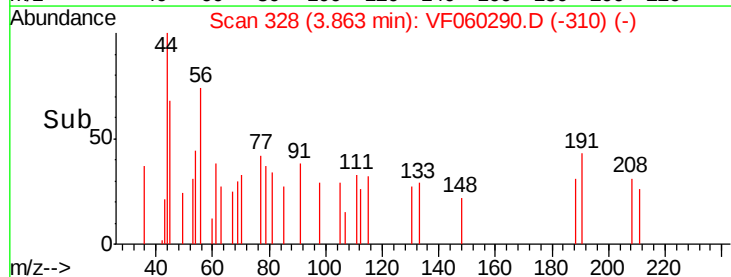
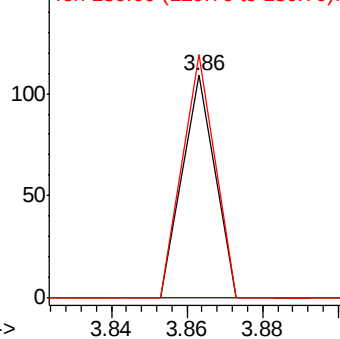
#28

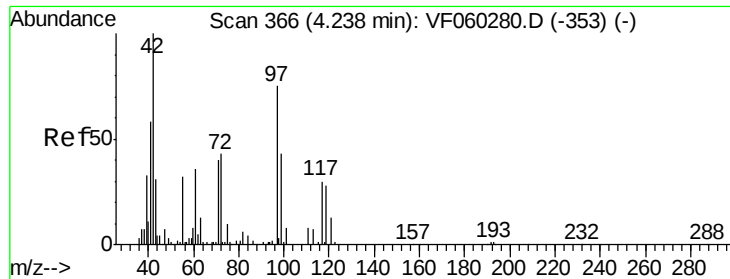
Bromochloromethane
Concen: 0.027 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 109.2 70.3 105.5#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 1.894 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.02 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

RBR200036

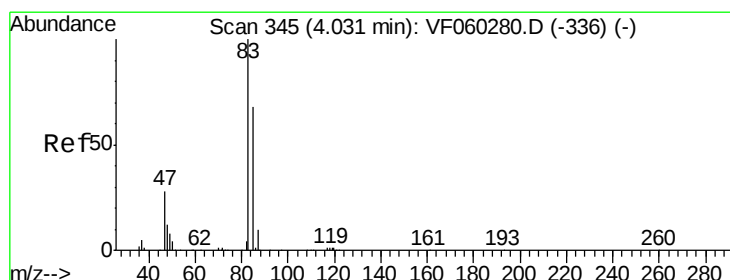
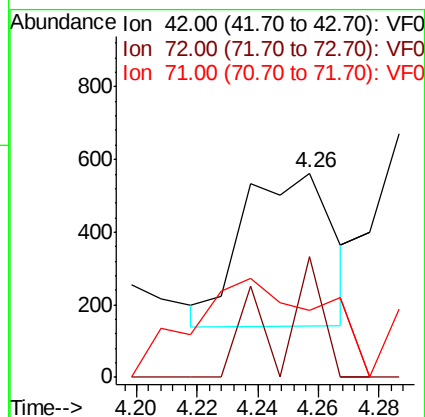
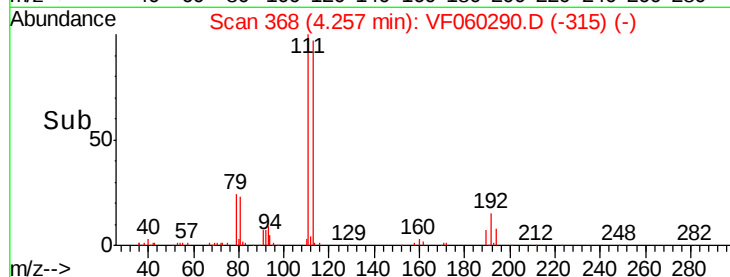
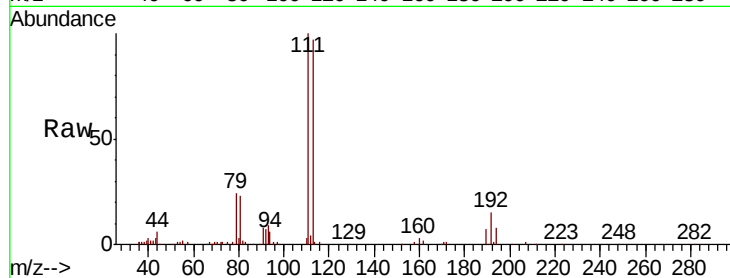
Tgt Ion: 42 Resp: 878

Ion Ratio Lower Upper

42 100

72 17.1 32.6 49.0#

71 105.2 32.7 49.1#



#30

Chloroform

Concen: 0.068 ug/l

RT: 4.04 min Scan# 346

Delta R.T. 0.01 min

Lab File: VF060290.D

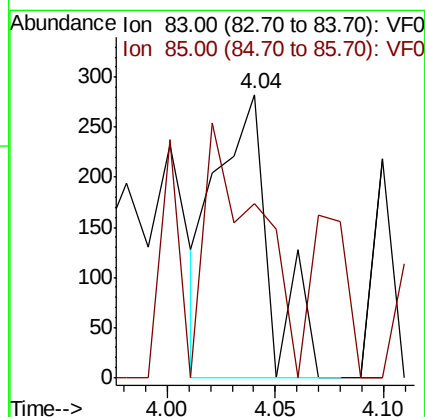
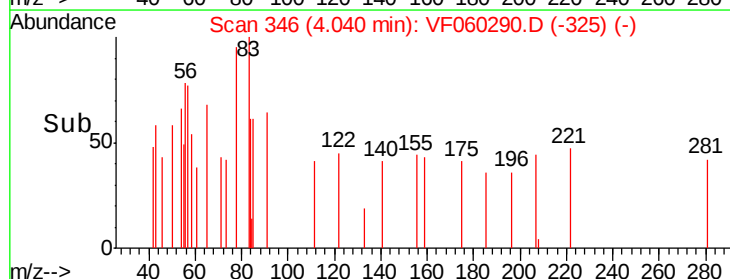
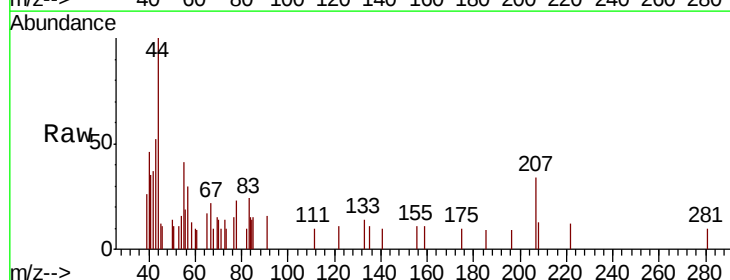
Acq: 19 Sep 2018 20:27

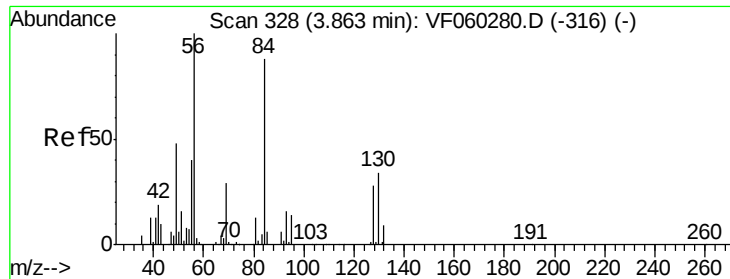
Tgt Ion: 83 Resp: 494

Ion Ratio Lower Upper

83 100

85 61.5 54.9 82.3

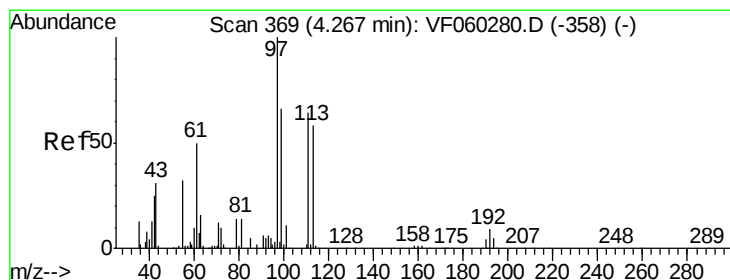
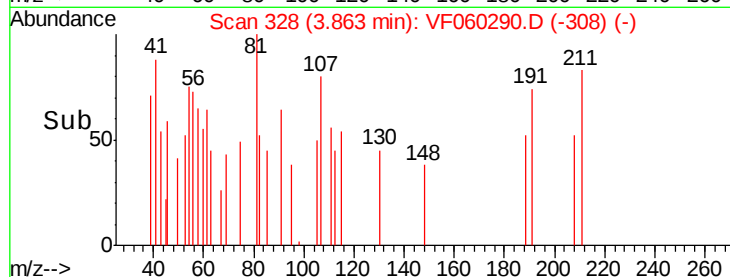
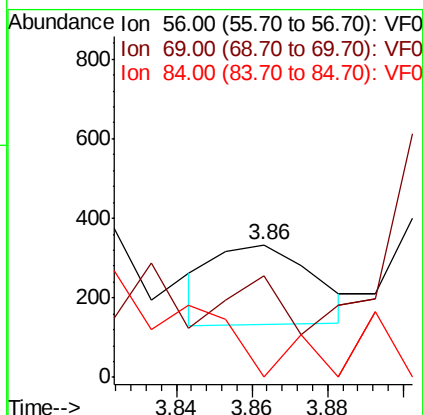
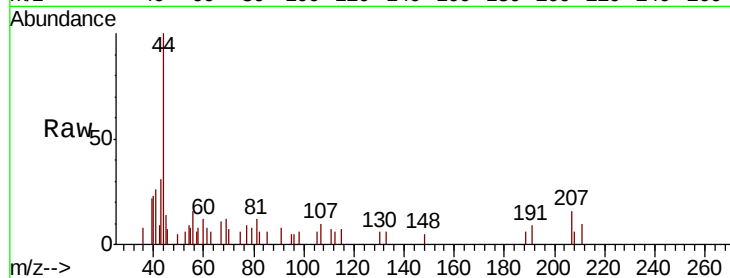




#31
Cyclohexane
Concen: 0.071 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

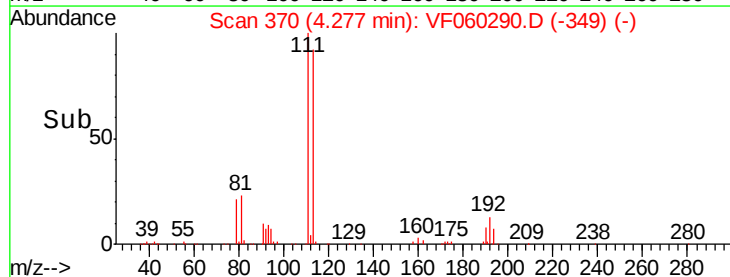
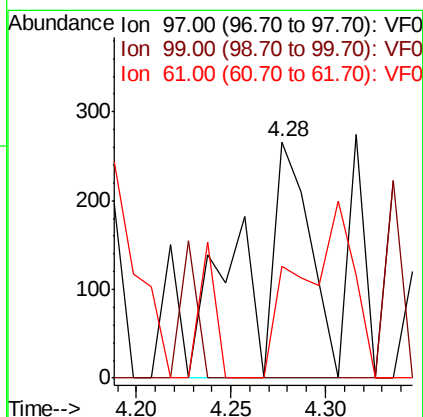
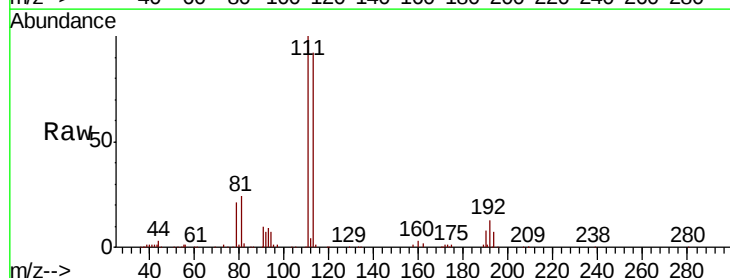
Instrument :
MSVOA_F
ClientSampleId :
RBR200036

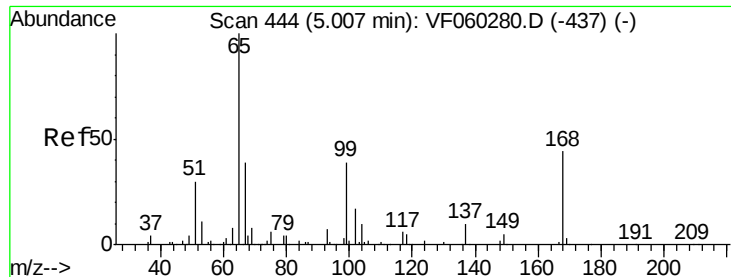
Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
69 76.3 23.8 35.6#
84 0.0 70.2 105.4#



#32
1,1,1-Trichloroethane
Concen: 0.105 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 97 Resp: 600
Ion Ratio Lower Upper
97 100
99 0.0 53.0 79.4#
61 47.4 40.6 61.0

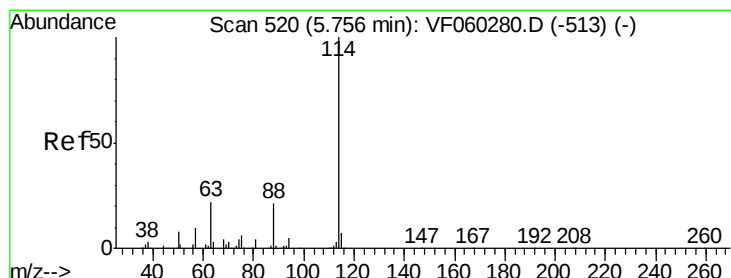
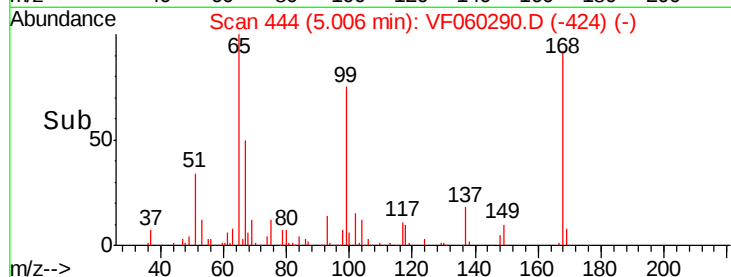
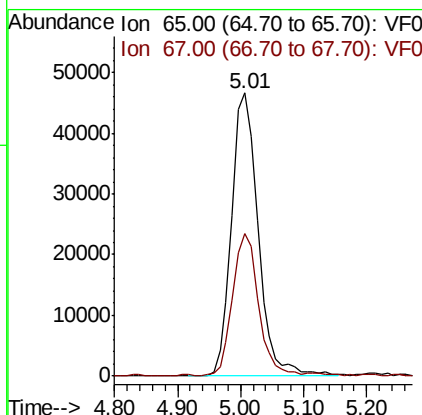
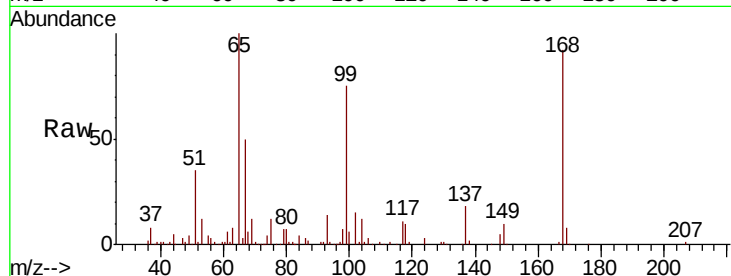




#33
 1,2-Dichloroethane-d4
 Concen: 40.721 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

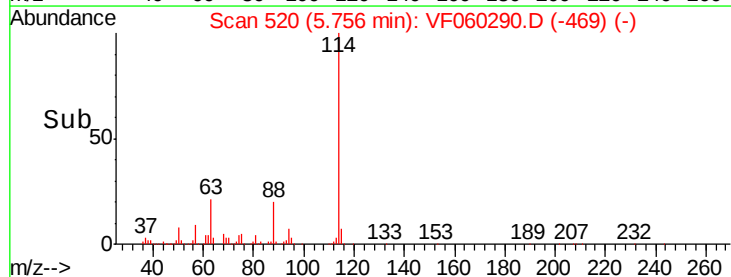
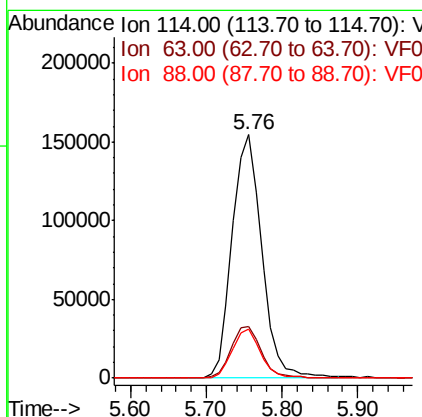
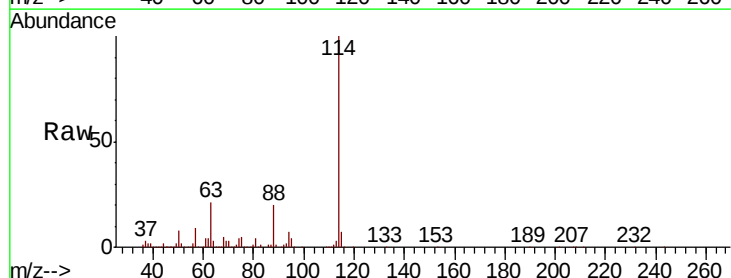
Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

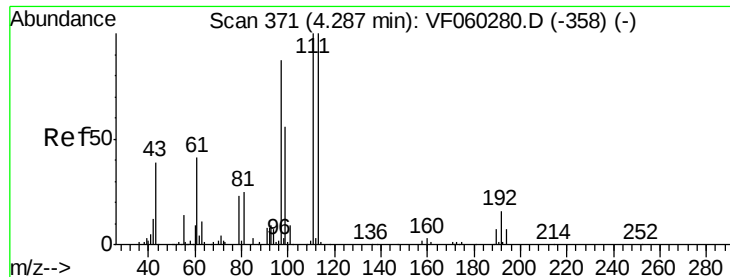
Tgt Ion: 65 Resp: 136003
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Tgt Ion: 114 Resp: 420085
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.8
 88 20.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 40.313 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

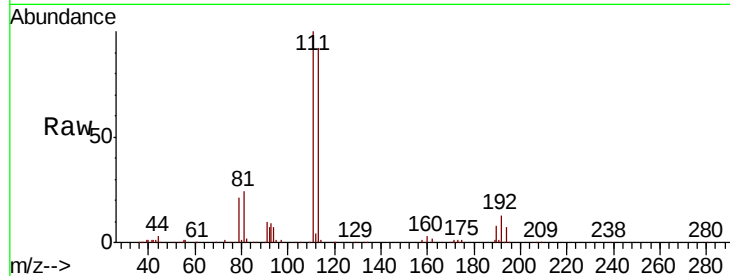
Tgt Ion:113 Resp: 150962

Ion Ratio Lower Upper

113 100

111 108.2 79.6 119.4

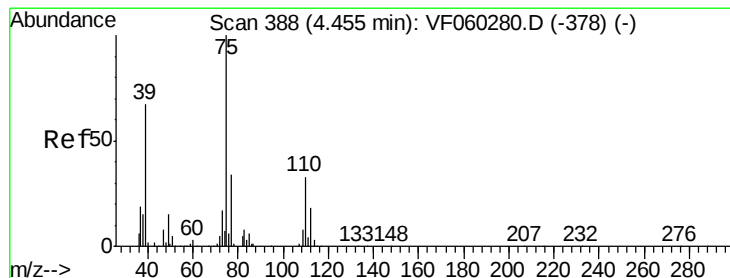
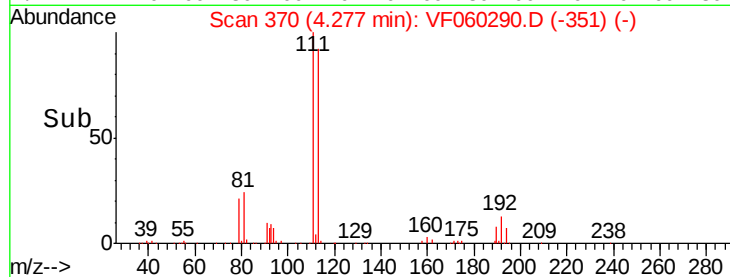
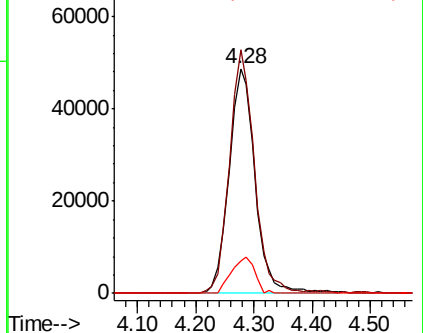
192 14.5 13.0 19.6



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: 0.073 ug/l

RT: 4.44 min Scan# 387

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

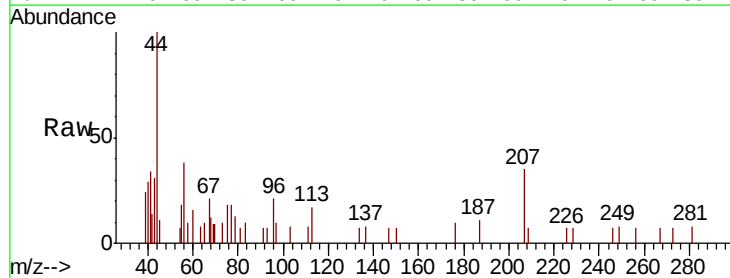
Tgt Ion: 75 Resp: 384

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.2#

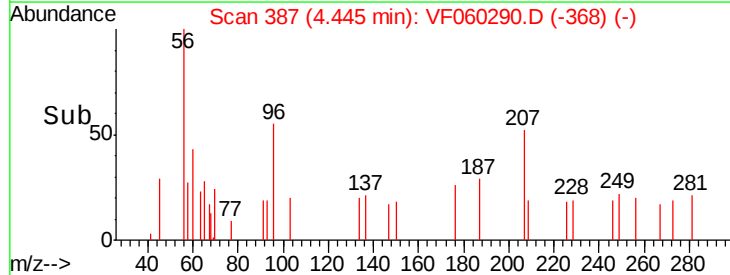
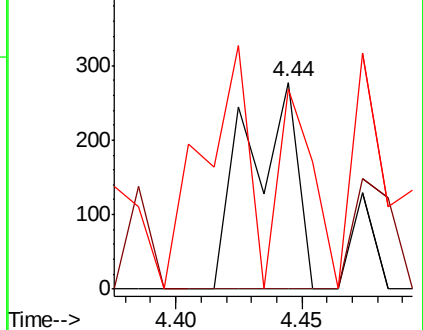
77 96.8 27.3 40.9#

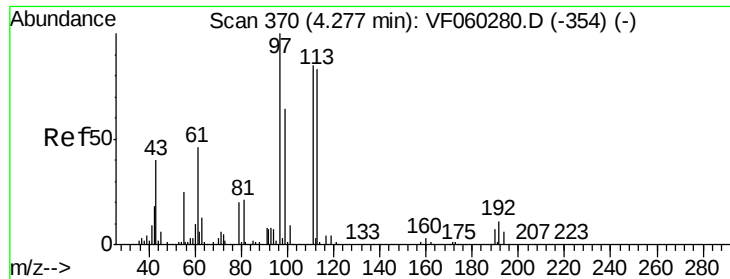


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 0.534 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

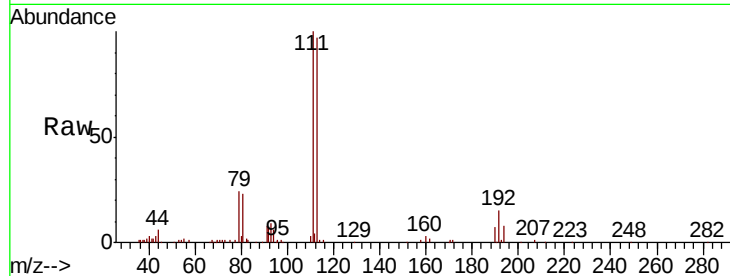
Tgt Ion: 43 Resp: 1184

Ion Ratio Lower Upper

43 100

61 0.0 91.1 136.7#

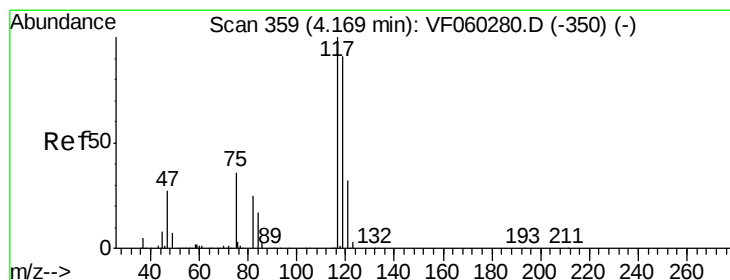
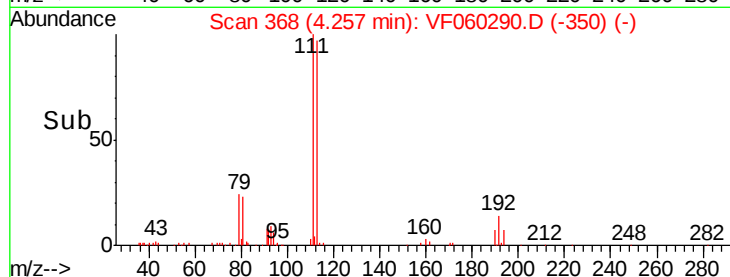
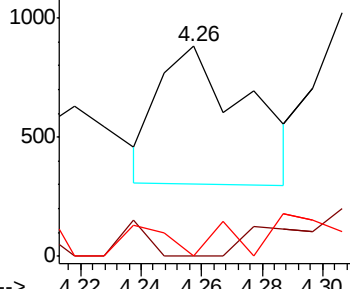
70 20.7 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 0.011 ug/l

RT: 4.20 min Scan# 362

Delta R.T. 0.03 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

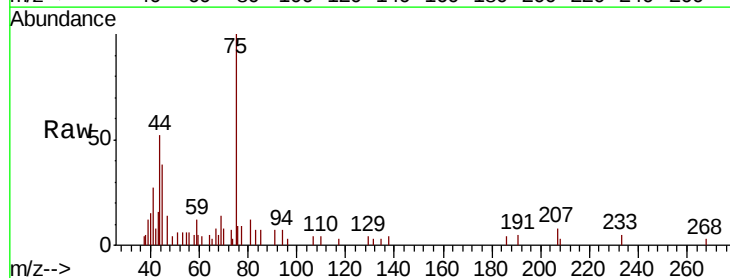
Tgt Ion: 117 Resp: 63

Ion Ratio Lower Upper

117 100

119 0.0 73.0 109.6#

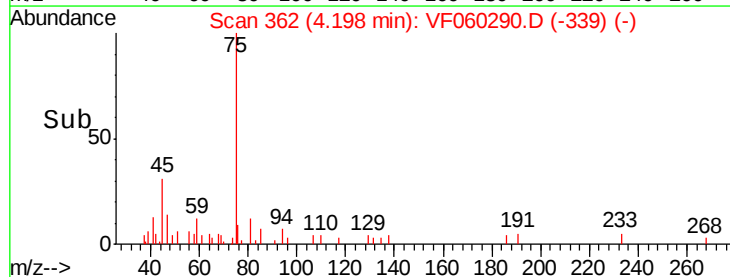
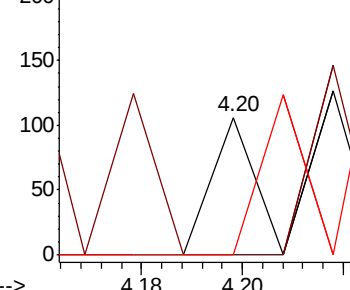
121 0.0 25.4 38.2#

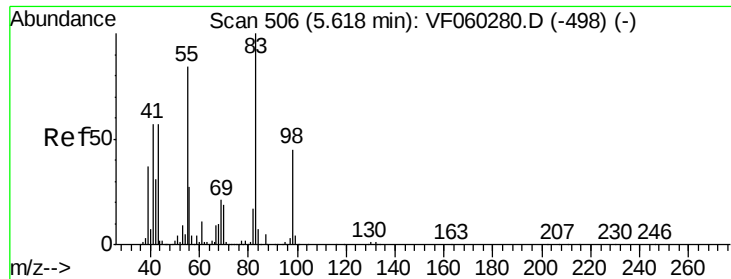


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 0.200 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

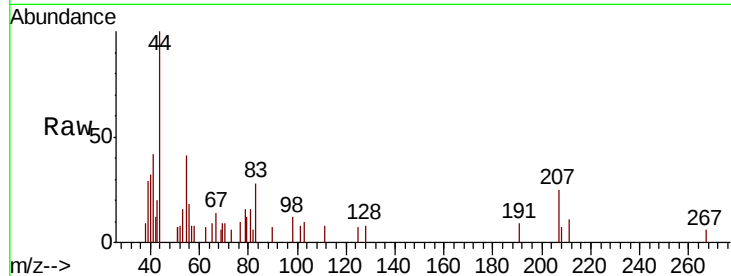
Tgt Ion: 83 Resp: 1133

Ion Ratio Lower Upper

83 100

55 146.2 67.3 100.9#

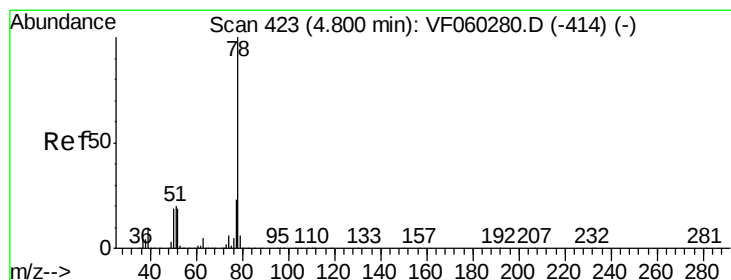
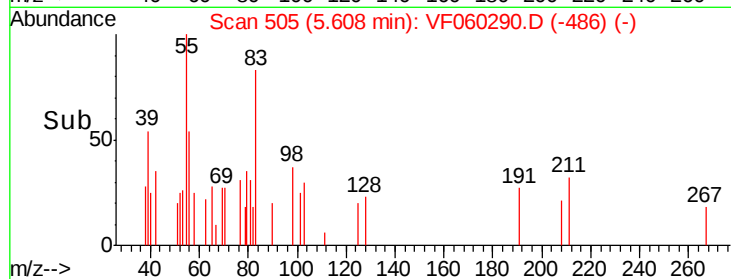
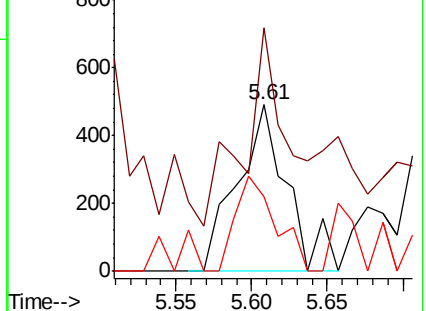
98 44.4 36.1 54.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 1.334 ug/l

RT: 4.79 min Scan# 422

Delta R.T. -0.01 min

Lab File: VF060290.D

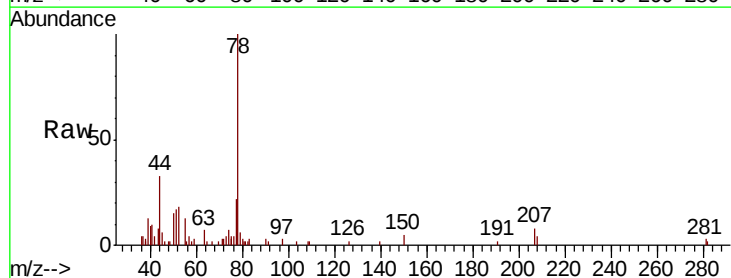
Acq: 19 Sep 2018 20:27

Tgt Ion: 78 Resp: 15853

Ion Ratio Lower Upper

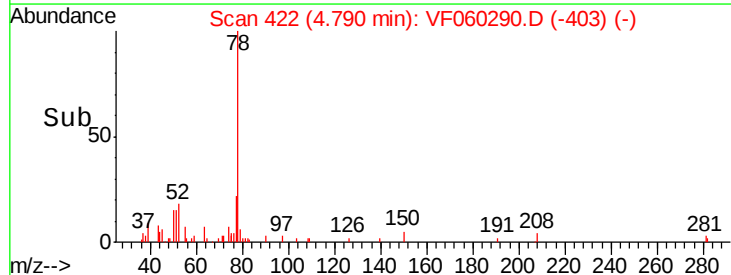
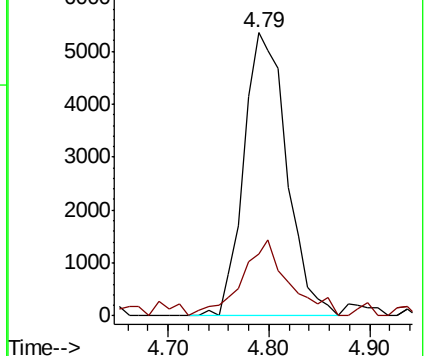
78 100

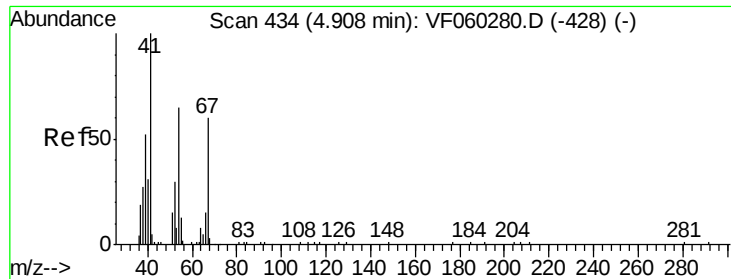
77 21.9 18.4 27.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

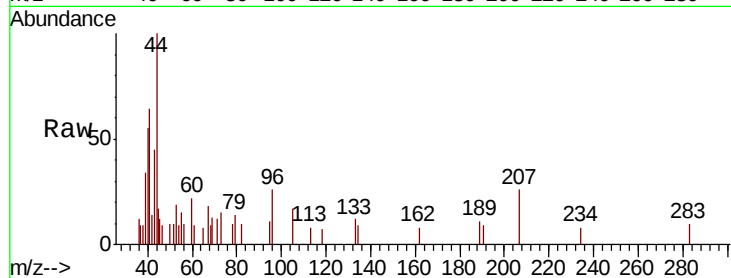




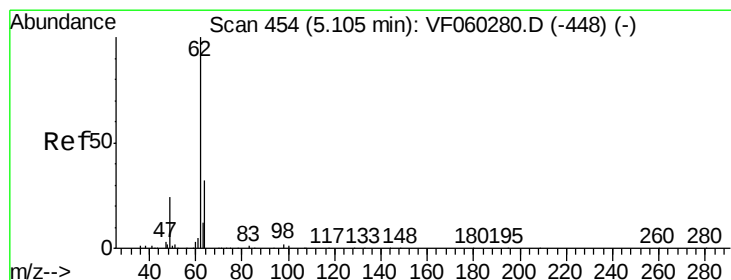
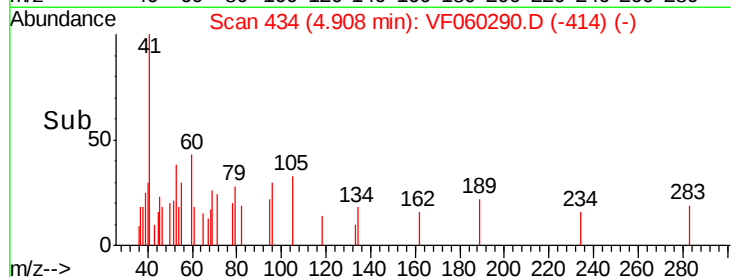
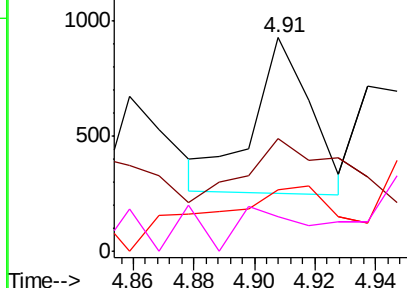
#41
Methacrylonitrile
Concen: 0.744 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
RBR200036

Tgt Ion:	41	Resp:	895
Ion	Ratio	Lower	Upper
41	100		
39	52.8	49.1	73.7
67	28.9	48.2	72.4#
52	16.4	35.8	53.8#

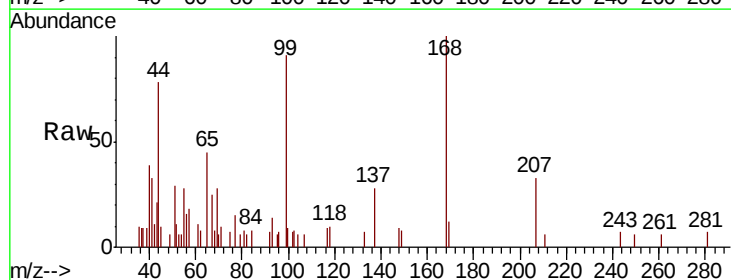


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

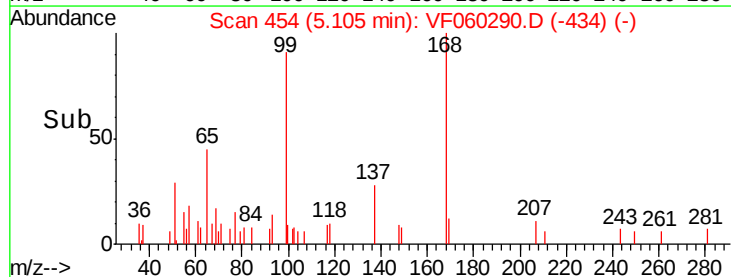
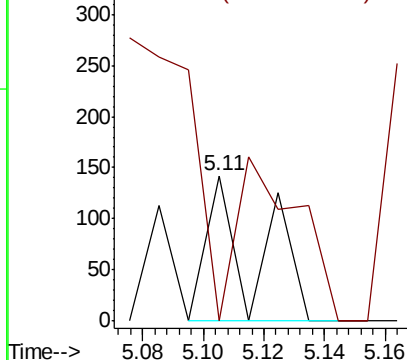


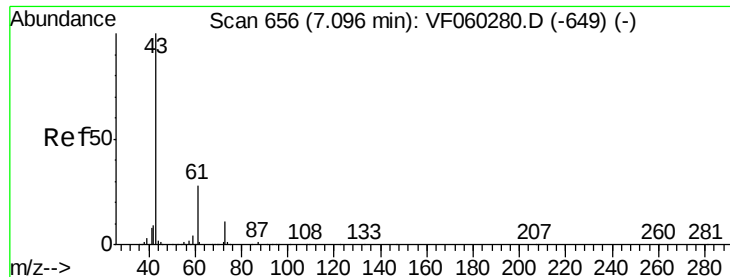
#42
1,2-Dichloroethane
Concen: 0.036 ug/l
RT: 5.11 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion:	62	Resp:	158
Ion	Ratio	Lower	Upper
62	100		
98	0.0	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: 0.553 ug/l

RT: 7.10 min Scan# 656

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

RBR200036

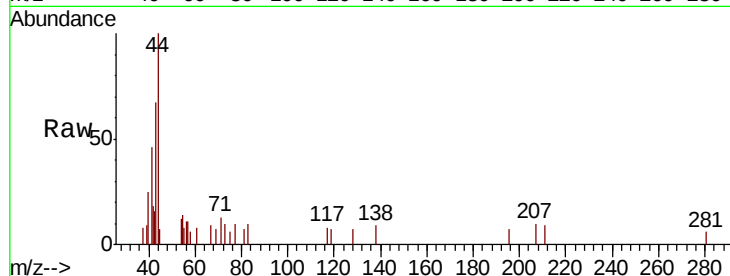
Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

61 11.5 22.4 33.6#

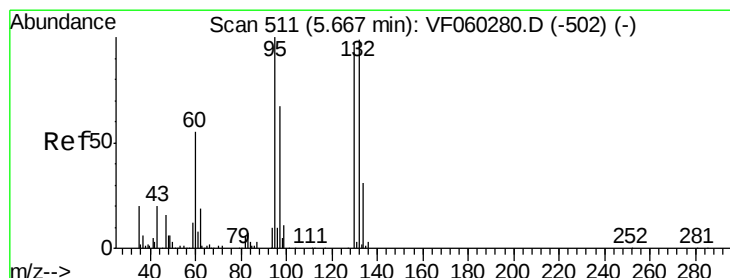
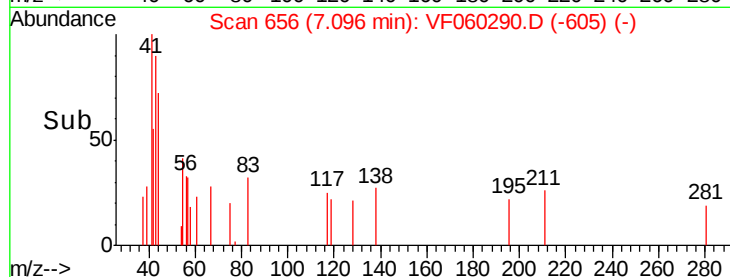
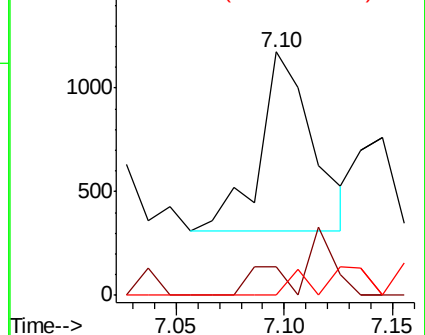
87 0.0 0.6 0.8#



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: 0.036 ug/l

RT: 5.66 min Scan# 510

Delta R.T. -0.01 min

Lab File: VF060290.D

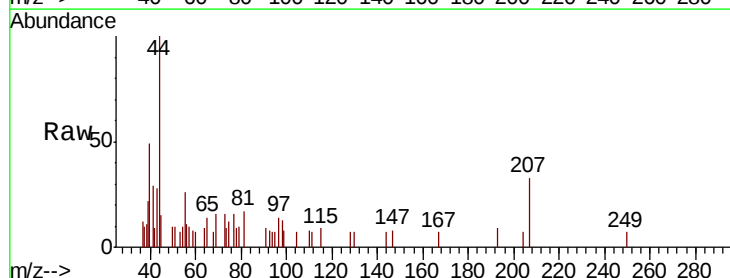
Acq: 19 Sep 2018 20:27

Tgt Ion: 130 Resp: 127

Ion Ratio Lower Upper

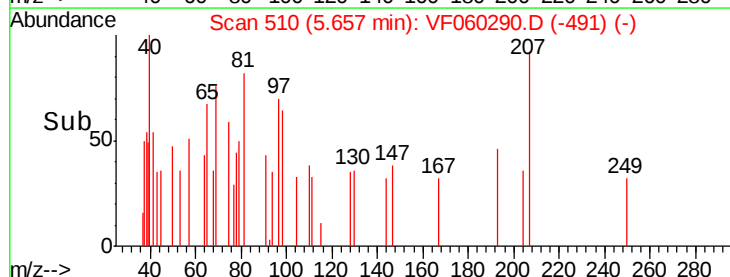
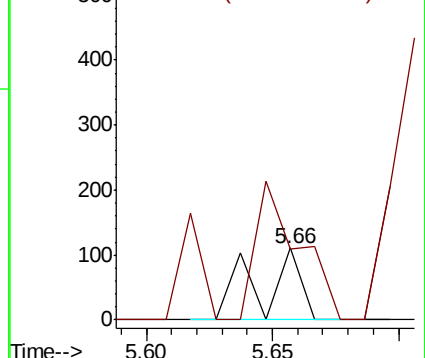
130 100

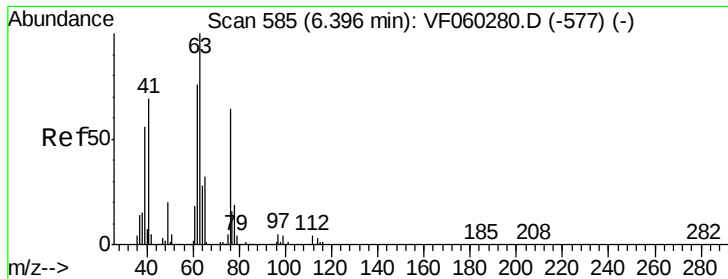
95 98.2 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 0.069 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

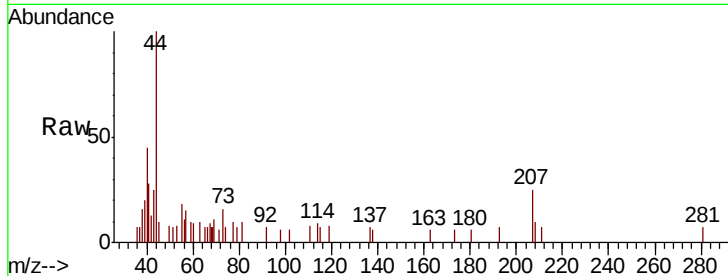
RBR200036

Tgt Ion: 63 Resp: 211

Ion Ratio Lower Upper

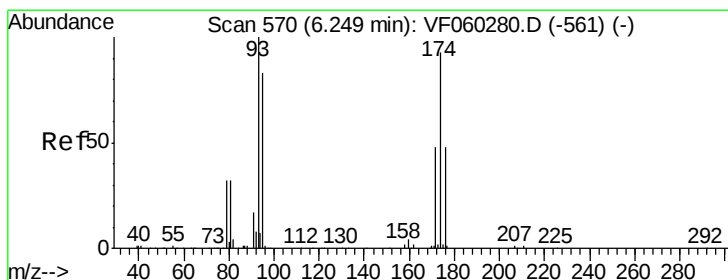
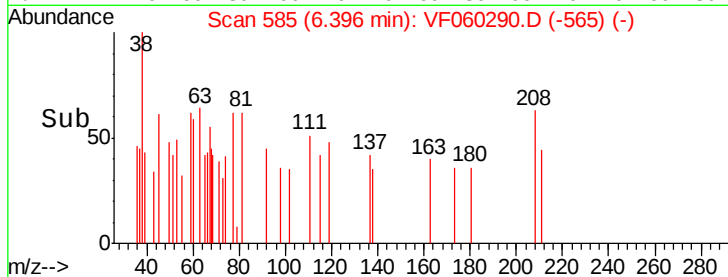
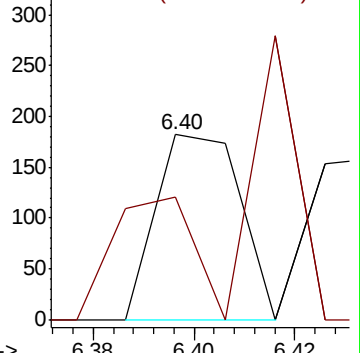
63 100

65 66.5 26.2 39.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 0.029 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.03 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

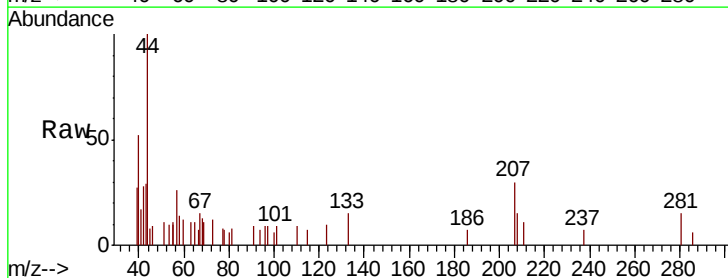
Tgt Ion: 93 Resp: 63

Ion Ratio Lower Upper

93 100

95 0.0 67.0 100.6#

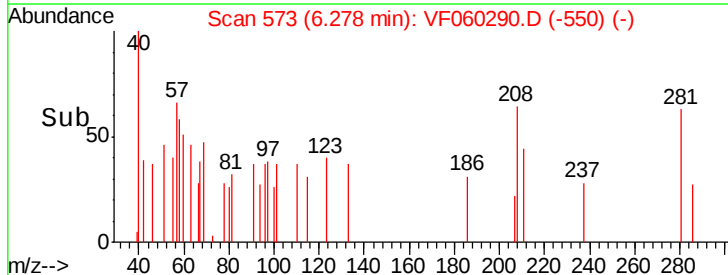
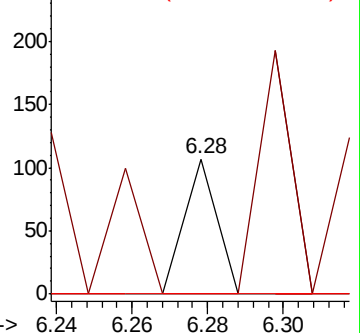
174 0.0 74.8 112.2#

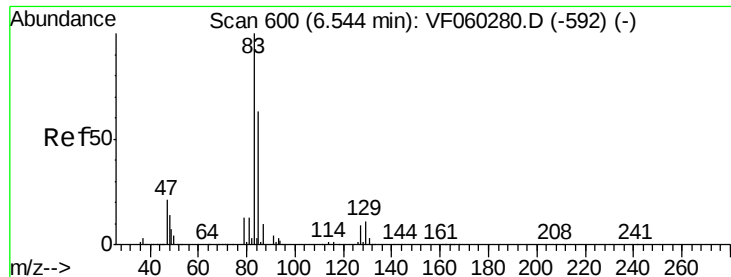


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 0.025 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

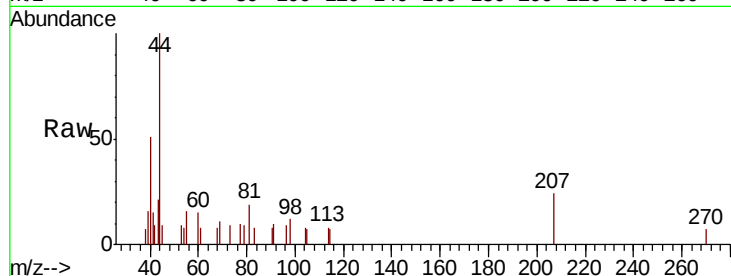
Tgt Ion: 83 Resp: 132

Ion Ratio Lower Upper

83 100

85 0.0 50.6 76.0#

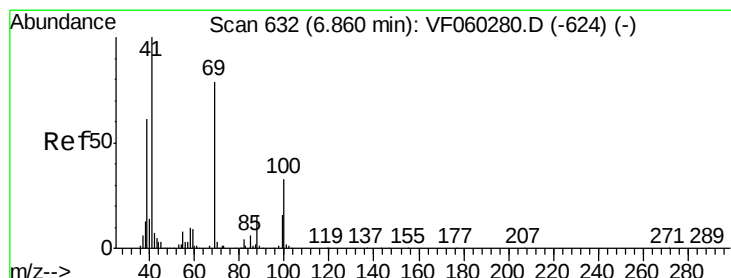
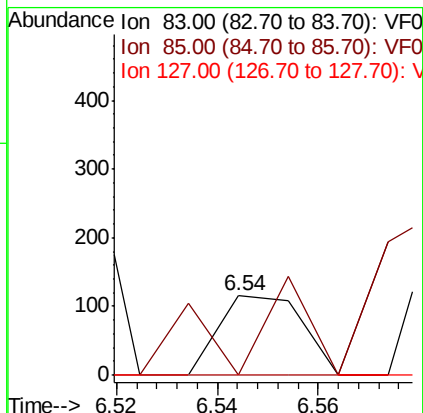
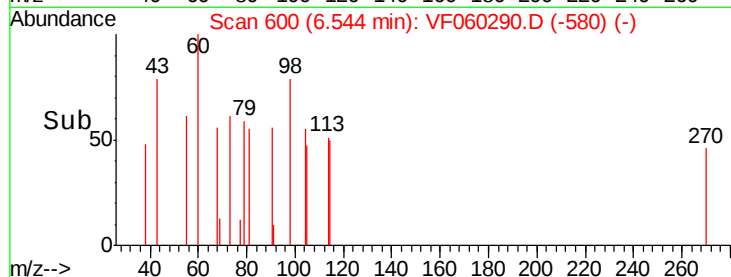
127 0.0 7.1 10.7#



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: 0.400 ug/l

RT: 6.83 min Scan# 629

Delta R.T. -0.03 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

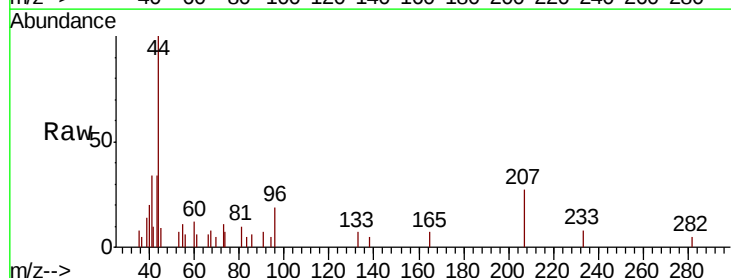
Tgt Ion: 41 Resp: 749

Ion Ratio Lower Upper

41 100

69 0.0 62.6 94.0#

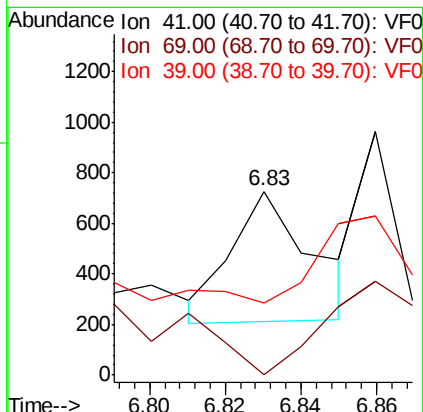
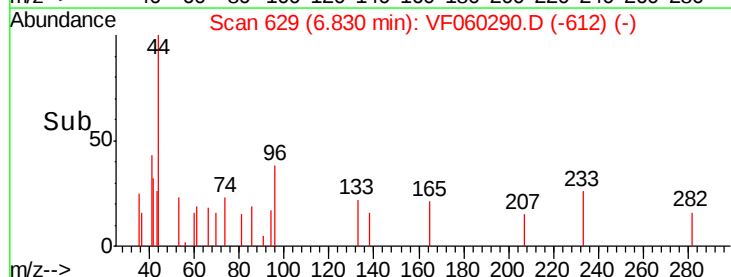
39 39.1 49.1 73.7#

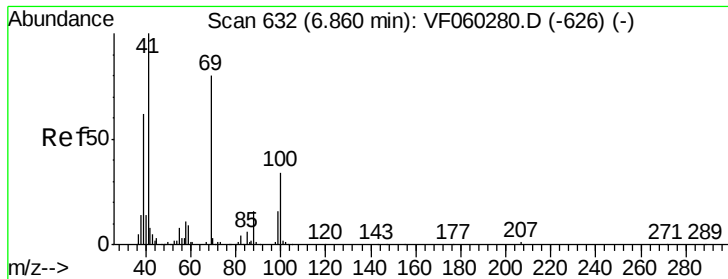


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

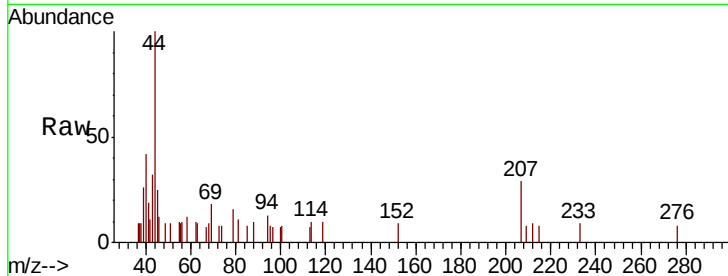




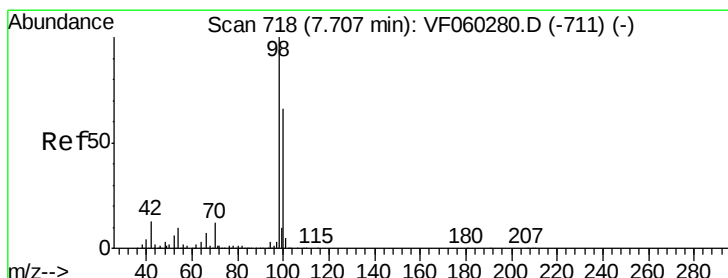
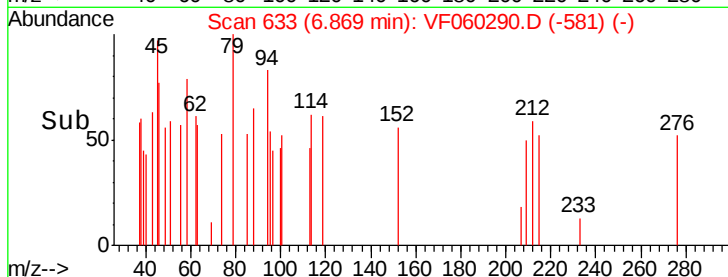
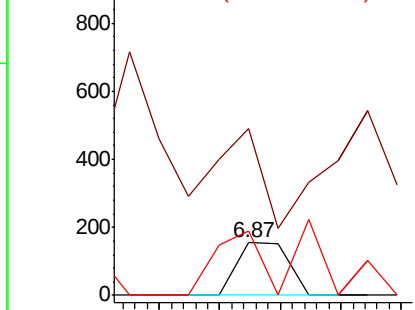
#49
1,4-Dioxane
Concen: 10.813 ug/l
RT: 6.87 min Scan# 633
Delta R.T. 0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
RBR200036

Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 317.4 40.2 60.4#
58 121.3 56.7 85.1#

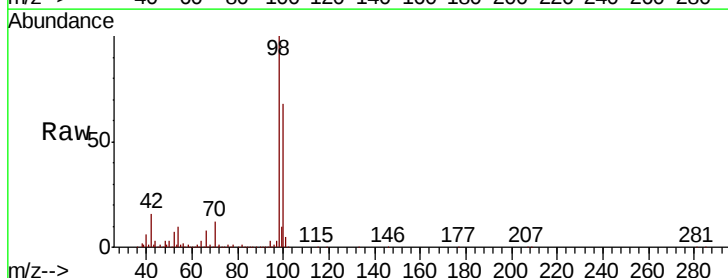


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

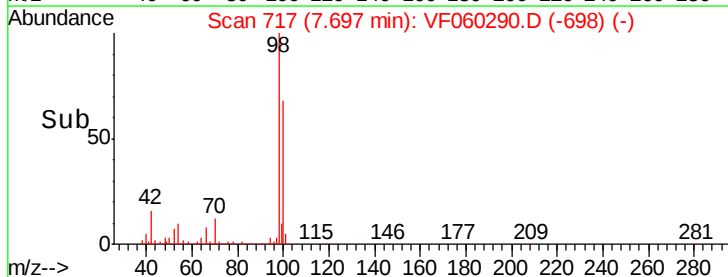
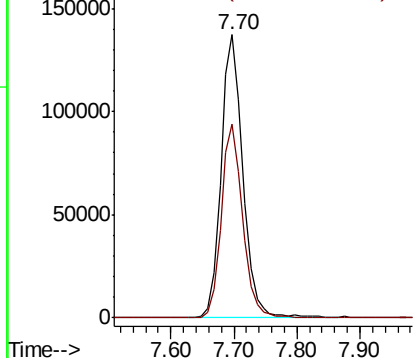


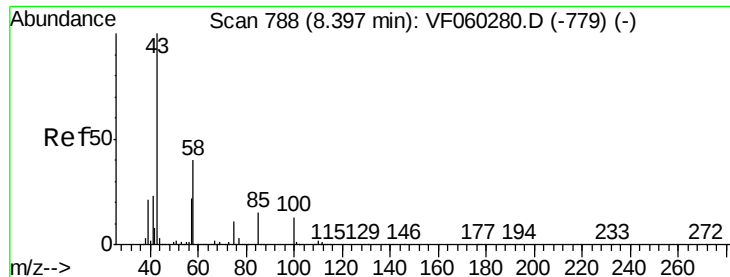
#50
Toluene-d8
Concen: 33.789 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 98 Resp: 329514
Ion Ratio Lower Upper
98 100
100 68.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 0.293 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.10 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

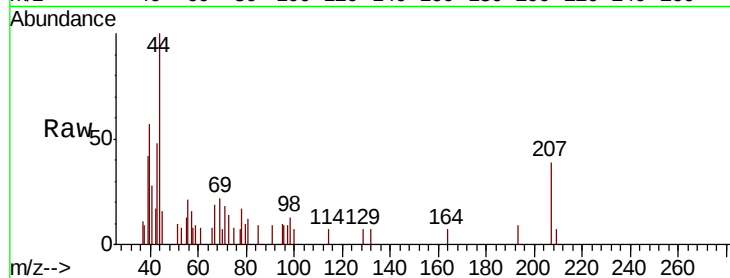
RBR200036

Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

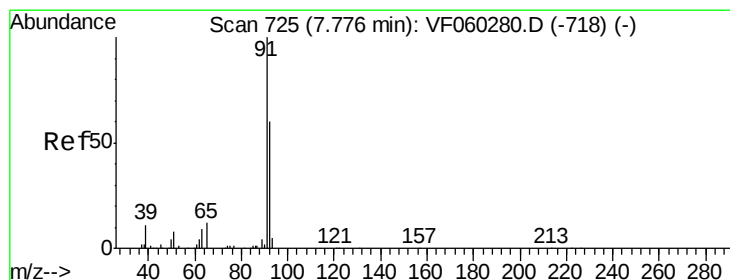
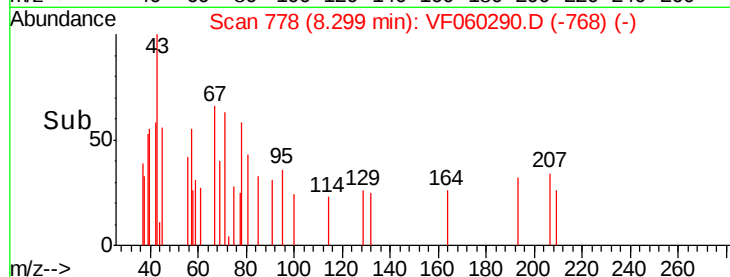
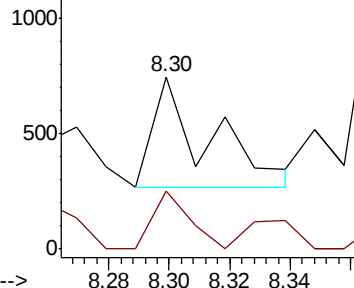
43 100

58 34.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.882 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060290.D

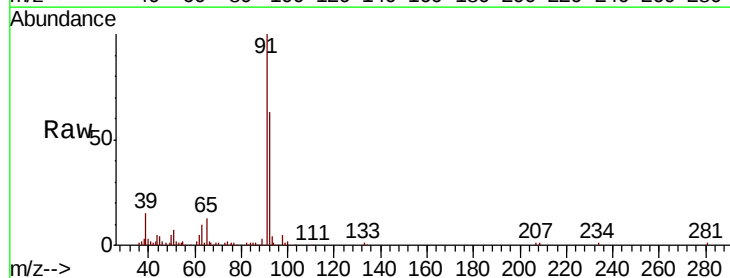
Acq: 19 Sep 2018 20:27

Tgt Ion: 92 Resp: 44209

Ion Ratio Lower Upper

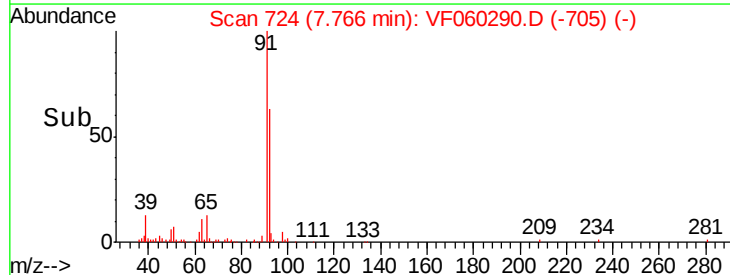
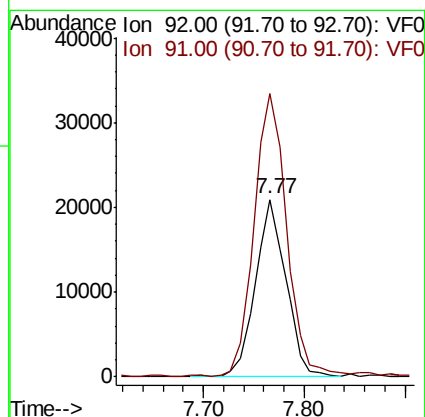
92 100

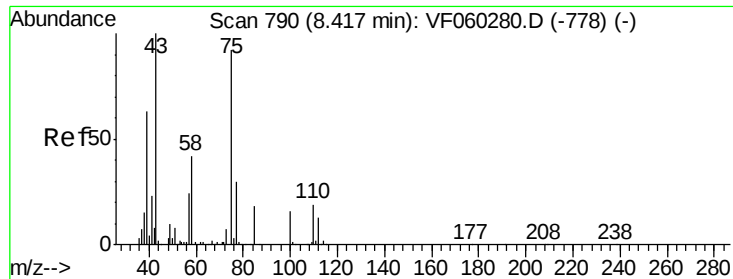
91 159.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

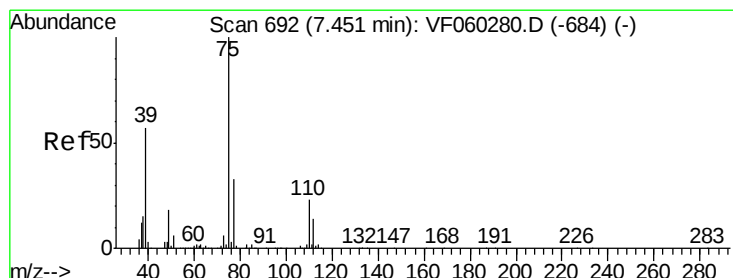
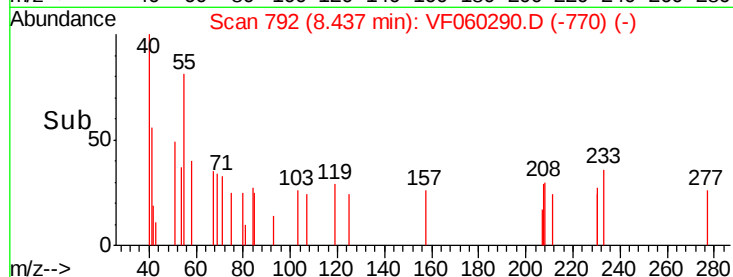
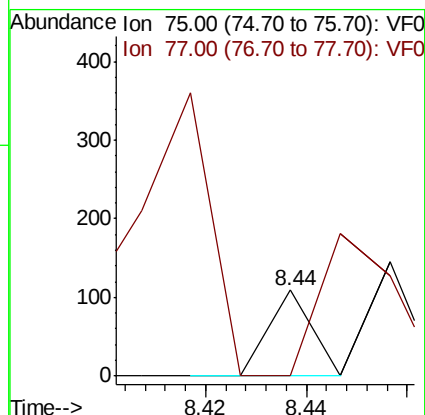
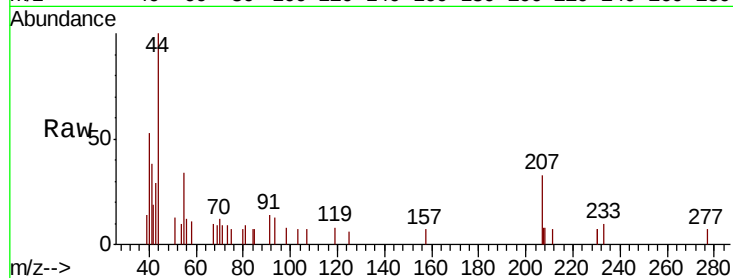




#53
t-1,3-Dichloropropene
Concen: 0.015 ug/l
RT: 8.44 min Scan# 792
Delta R.T. 0.02 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

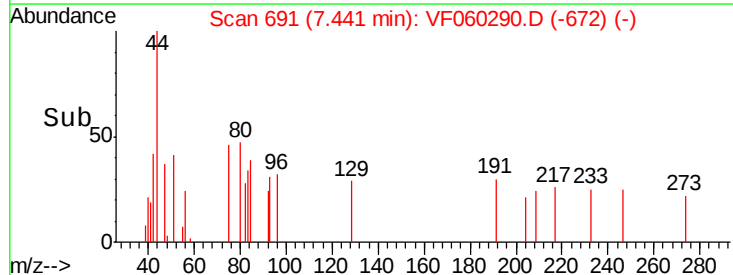
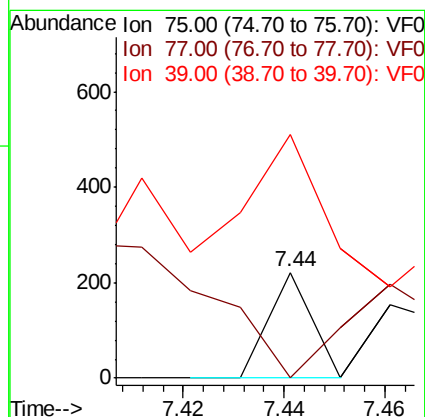
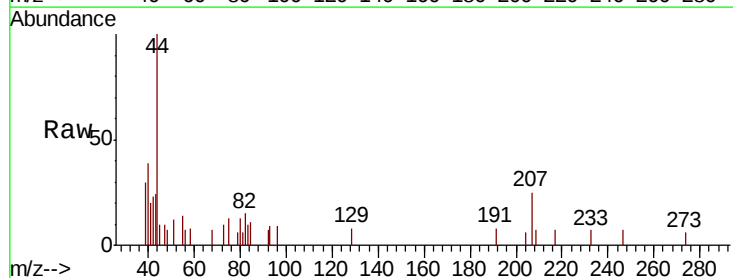
Instrument :
MSVOA_F
ClientSampleId :
RBR200036

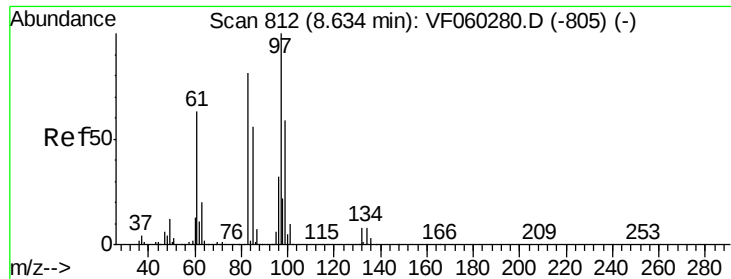
Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#



#54
cis-1,3-Dichloropropene
Concen: 0.024 ug/l
RT: 7.44 min Scan# 691
Delta R.T. -0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#
39 230.8 46.1 69.1#





#55

1,1,2-Trichloroethane

Concen: 0.093 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.03 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

Tgt Ion: 97 Resp: 213

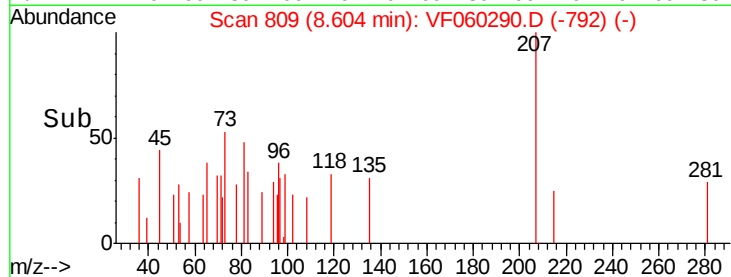
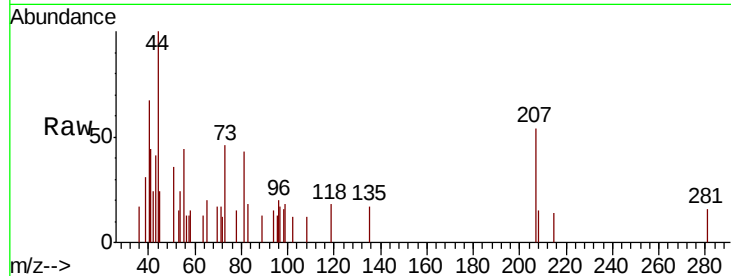
Ion Ratio Lower Upper

97 100

83 108.3 65.3 97.9#

85 0.0 44.7 67.1#

99 106.2 47.0 70.4#

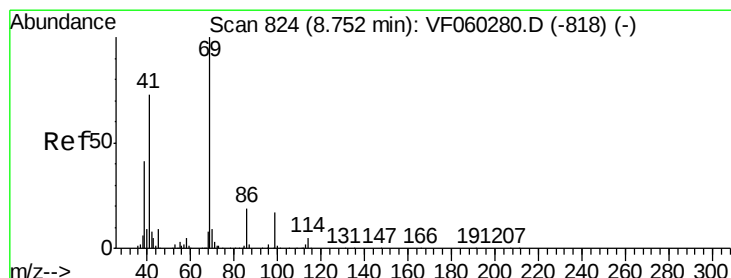
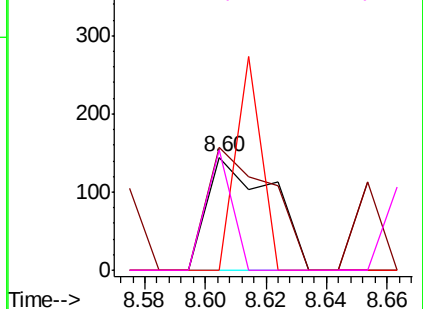


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 0.752 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

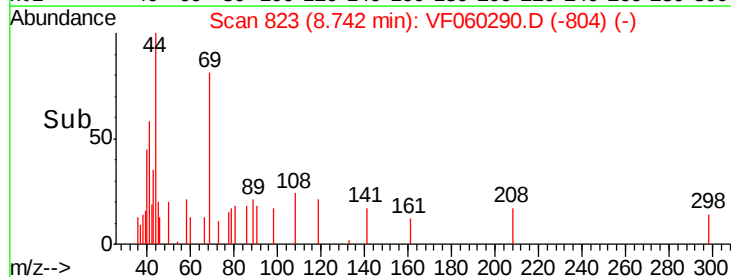
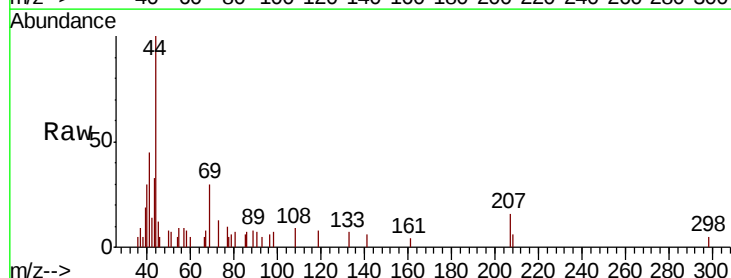
Tgt Ion: 69 Resp: 2073

Ion Ratio Lower Upper

69 100

41 149.6 59.4 89.2#

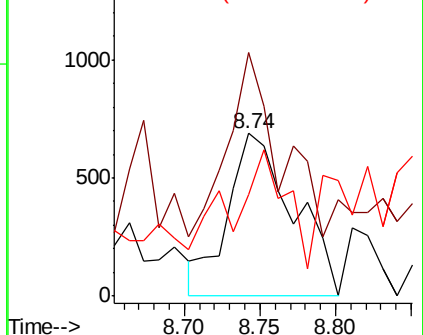
39 62.1 33.5 50.3#

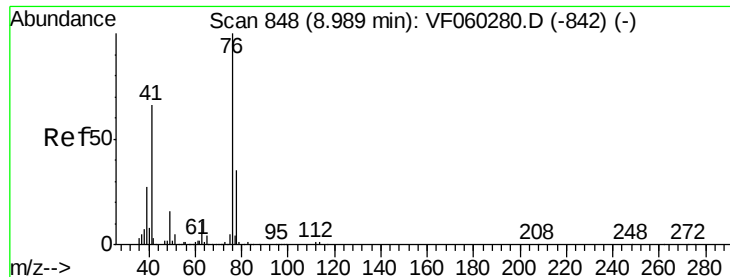


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

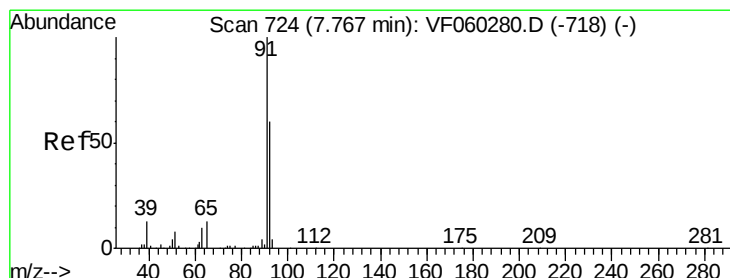
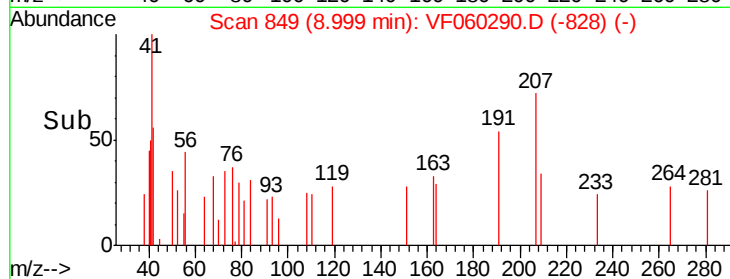
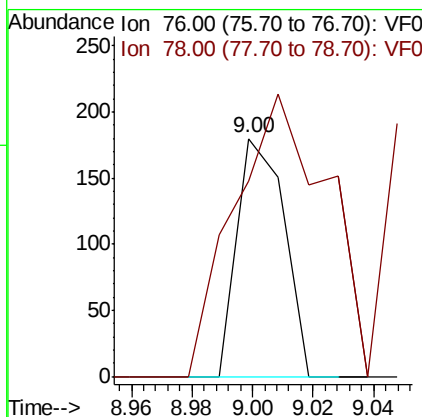
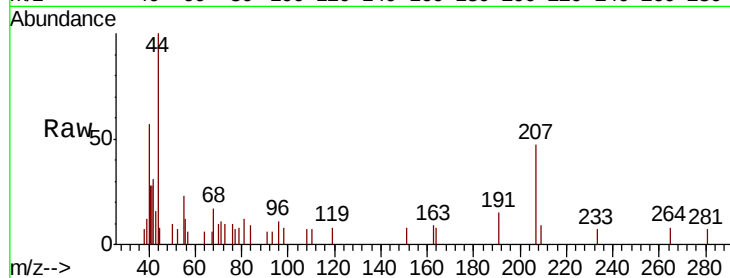




#57
 1,3-Dichloropropane
 Concen: 0.052 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

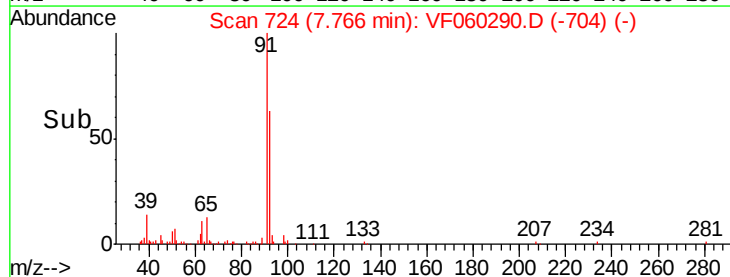
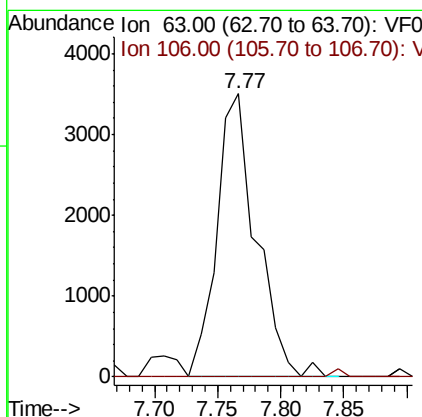
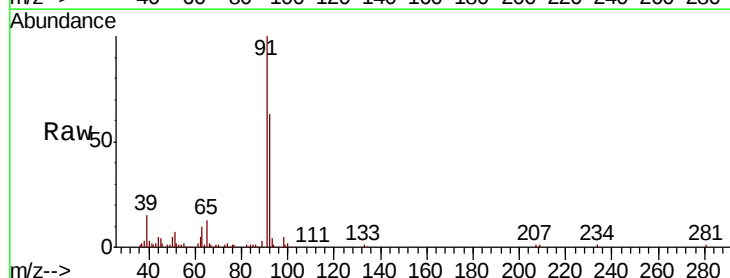
Instrument :
 MSVOA_F
 ClientSampleID :
 RBR200036

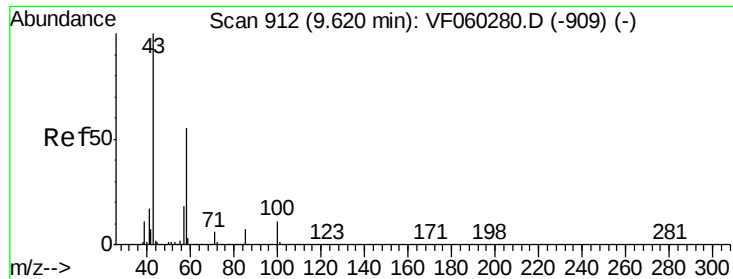
Tgt Ion: 76 Resp: 196
 Ion Ratio Lower Upper
 76 100
 78 82.2 28.2 42.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 31.108 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Tgt Ion: 63 Resp: 7577
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

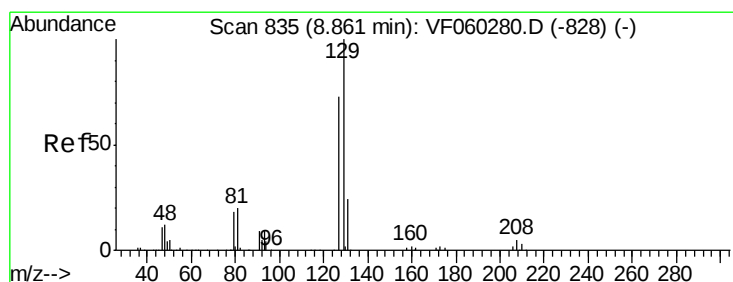
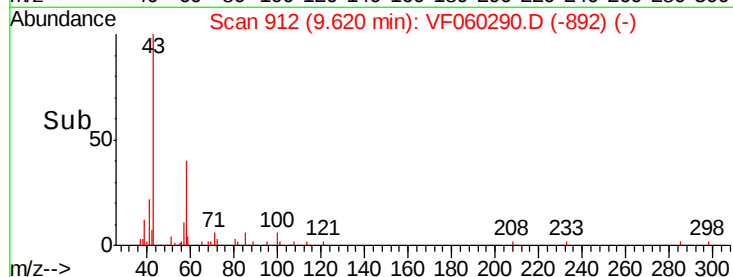
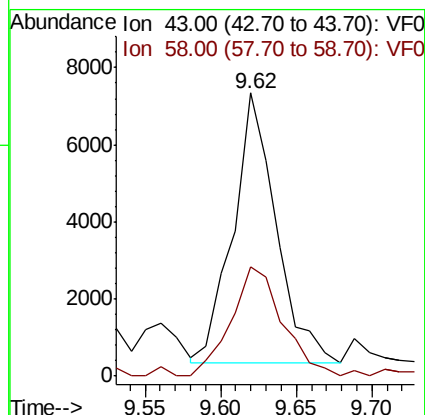
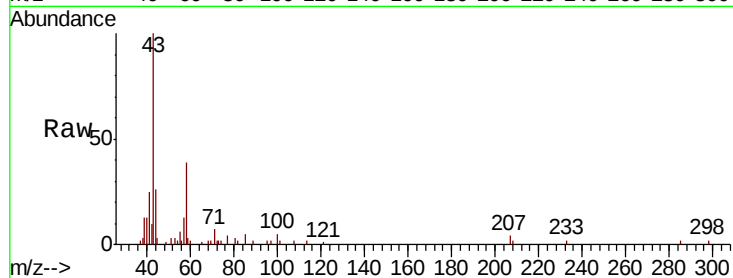




#59
2-Hexanone
Concen: 9.496 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

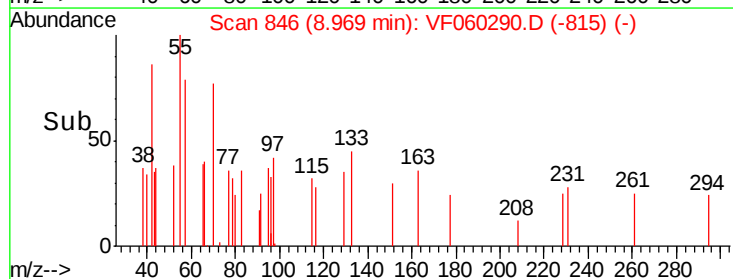
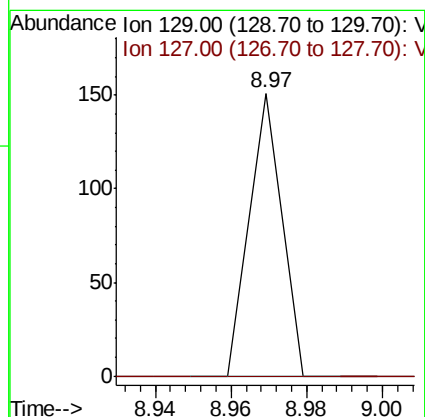
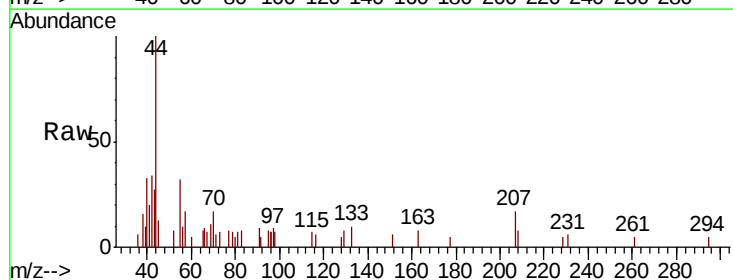
Instrument :
MSVOA_F
ClientSampleId :
RBR200036

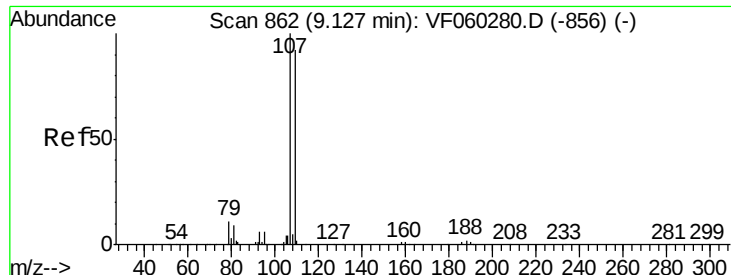
Tgt Ion: 43 Resp: 13909
Ion Ratio Lower Upper
43 100
58 38.7 25.9 77.6



#60
Dibromochloromethane
Concen: 0.026 ug/l
RT: 8.97 min Scan# 846
Delta R.T. 0.11 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 129 Resp: 89
Ion Ratio Lower Upper
129 100
127 0.0 36.6 109.8#





#61

1,2-Dibromoethane

Concen: 0.025 ug/l

RT: 9.08 min Scan# 857

Delta R.T. -0.05 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

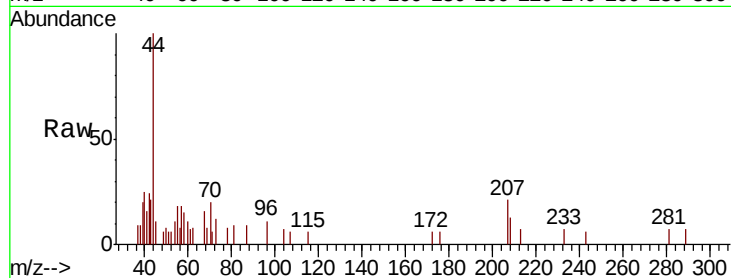
RBR200036

Tgt Ion: 107 Resp: 64

Ion Ratio Lower Upper

107 100

109 0.0 73.2 109.8#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150

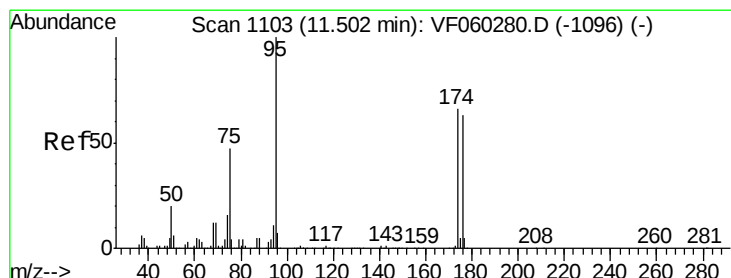
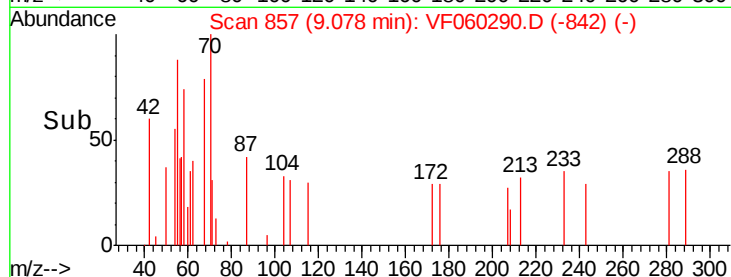
100

50

0

9.04 9.06 9.08 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 30.907 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

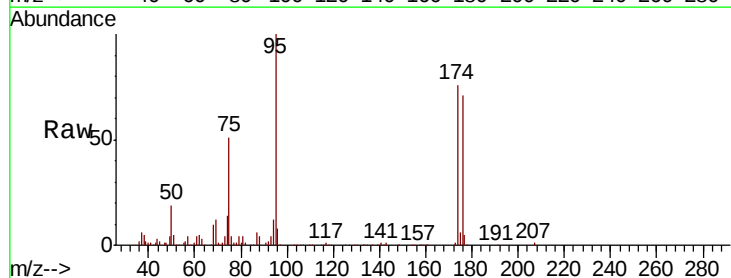
Tgt Ion: 95 Resp: 130291

Ion Ratio Lower Upper

95 100

174 75.9 0.0 131.2

176 71.1 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

100000

80000

60000

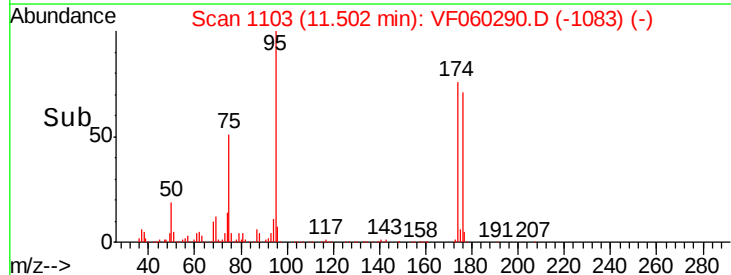
40000

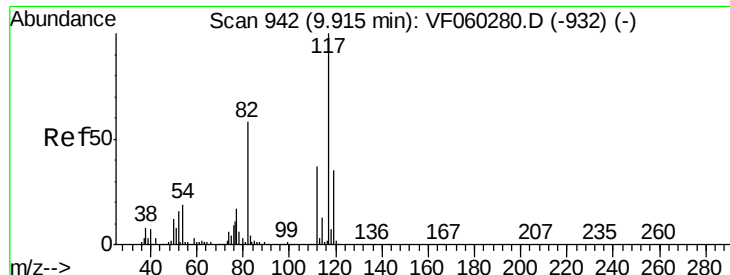
20000

0

11.40 11.50 11.60 11.70

Time-->

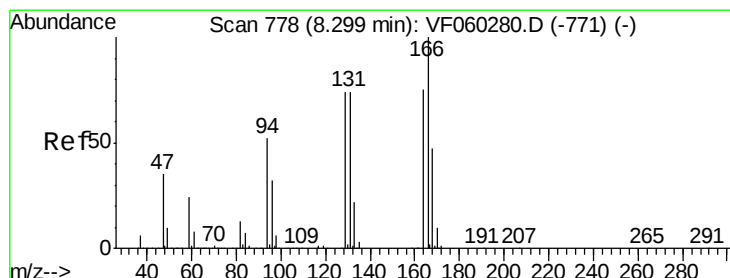
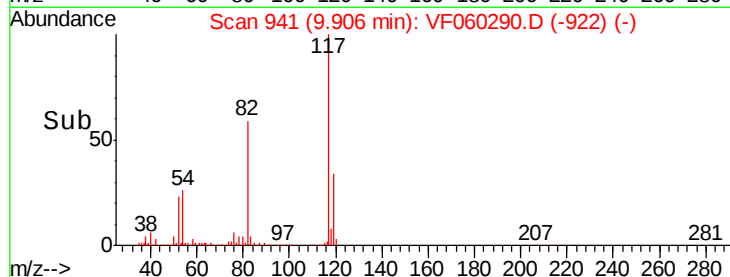
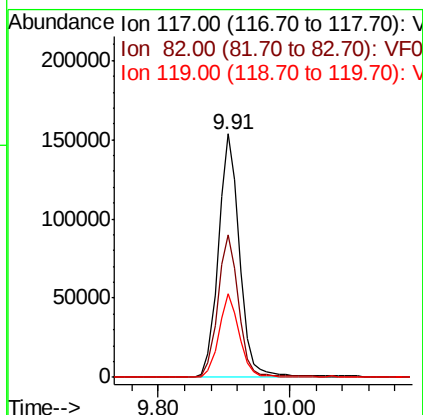
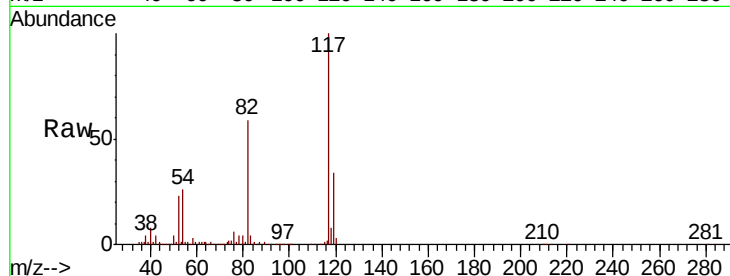




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

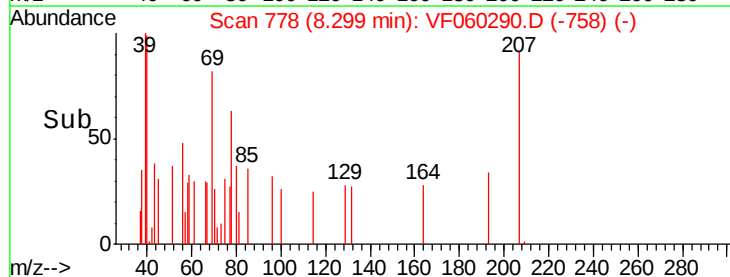
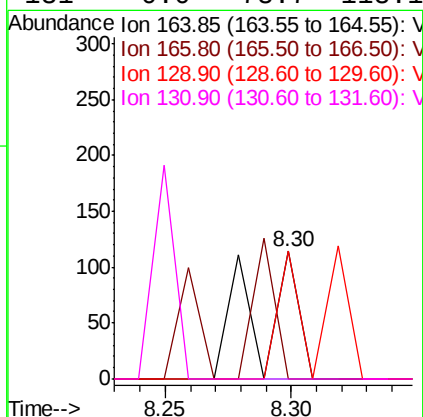
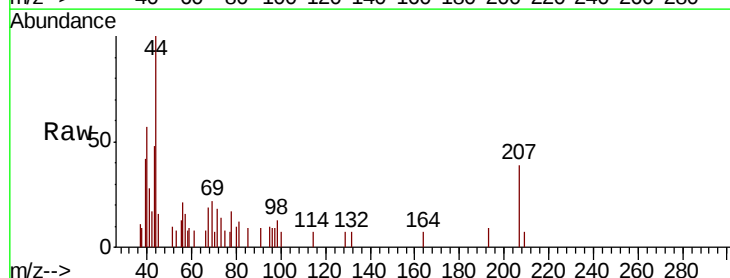
Instrument :
MSVOA_F
ClientSampleId :
RBR200036

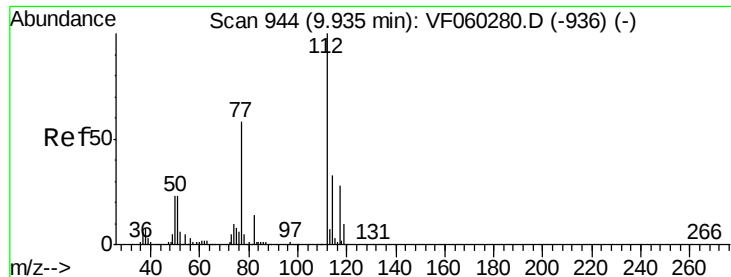
Tgt Ion:117 Resp: 345703
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.2
119 34.3 27.8 41.6



#64
Tetrachloroethene
Concen: 0.042 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion:164 Resp: 133
Ion Ratio Lower Upper
164 100
166 0.0 106.8 160.2#
129 100.0 78.8 118.2
131 0.0 78.7 118.1#





#65

Chlorobenzene

Concen: 0.089 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

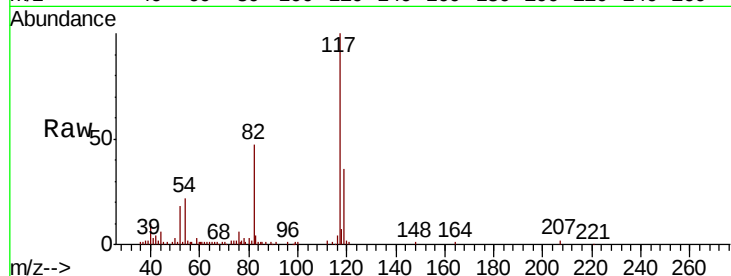
RBR200036

Tgt Ion:112 Resp: 701

Ion Ratio Lower Upper

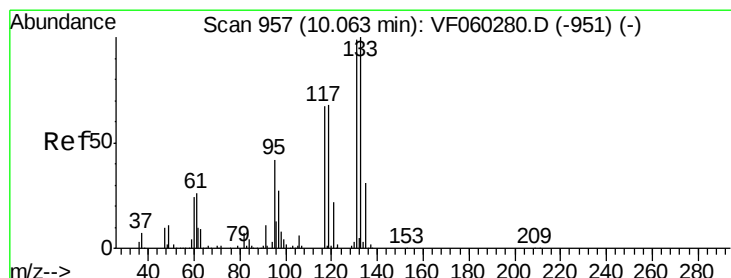
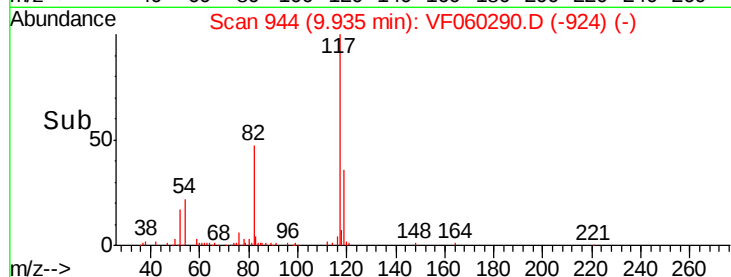
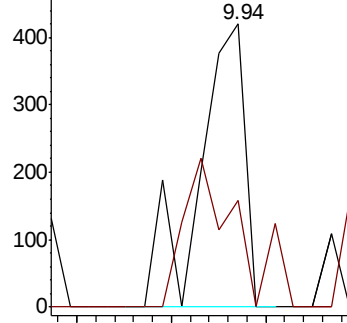
112 100

114 37.6 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.024 ug/l

RT: 10.05 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

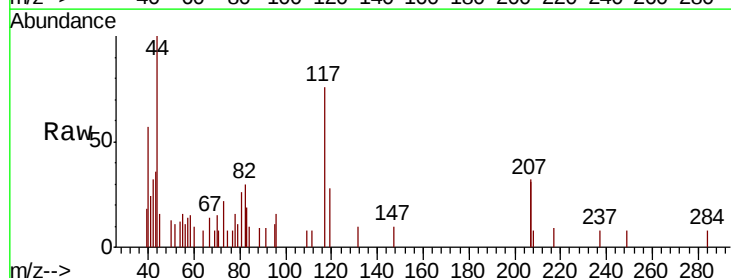
Tgt Ion:131 Resp: 77

Ion Ratio Lower Upper

131 100

133 0.0 50.4 151.2#

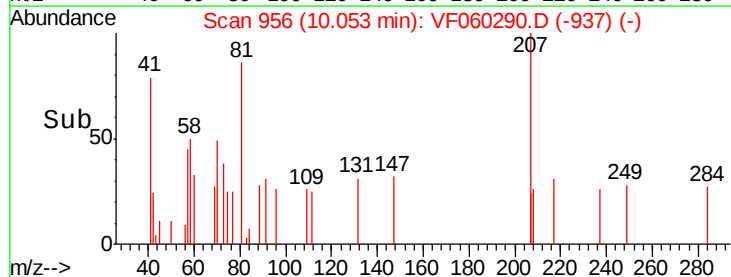
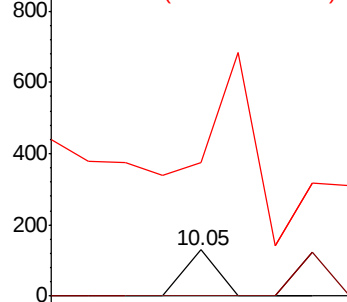
119 287.7 34.8 104.3#

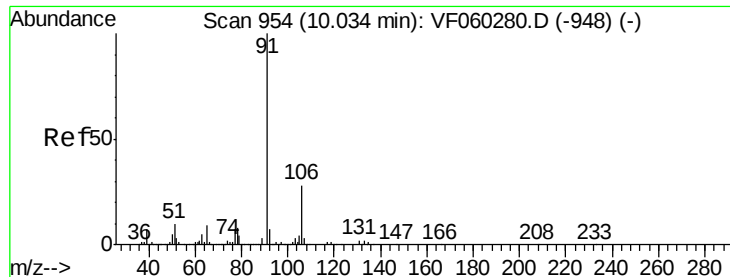


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 0.207 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

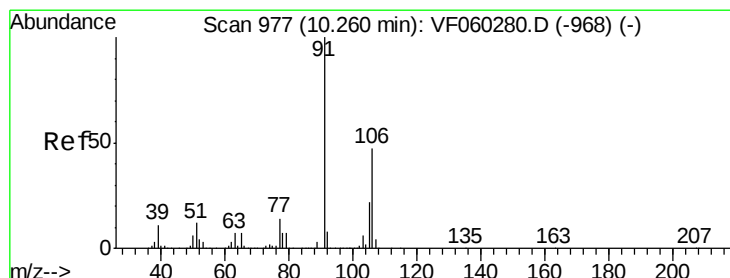
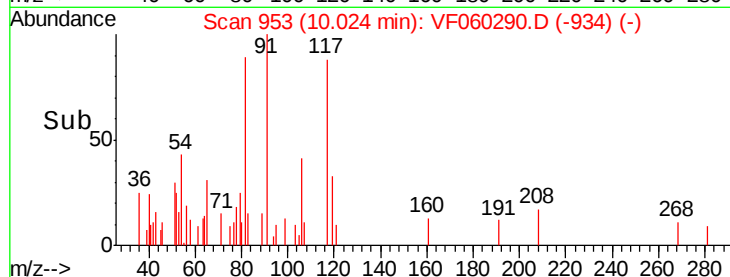
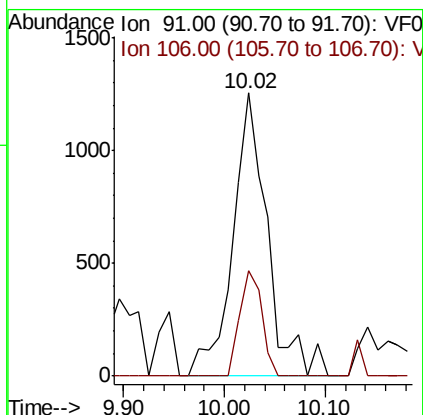
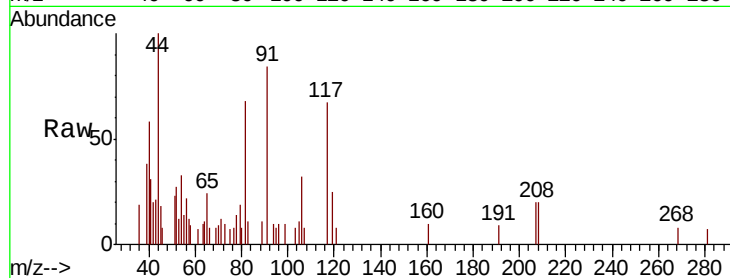
RBR200036

Tgt Ion: 91 Resp: 2999

Ion Ratio Lower Upper

91 100

106 37.5 22.7 34.1#



#68

m/p-Xylenes

Concen: 0.247 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060290.D

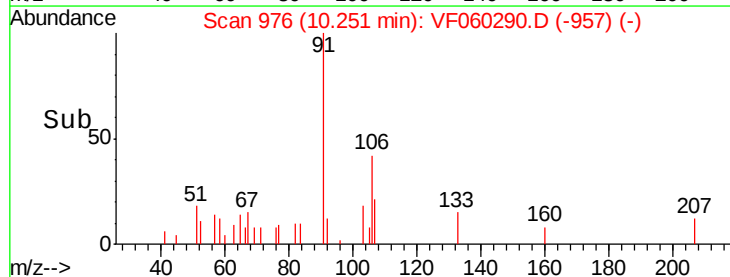
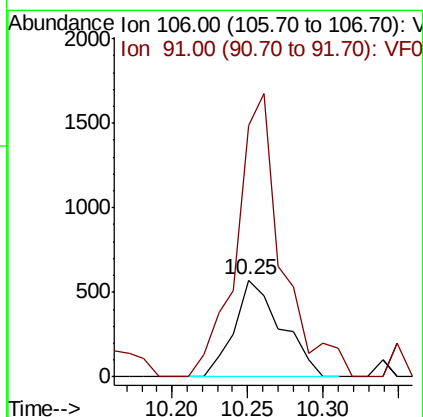
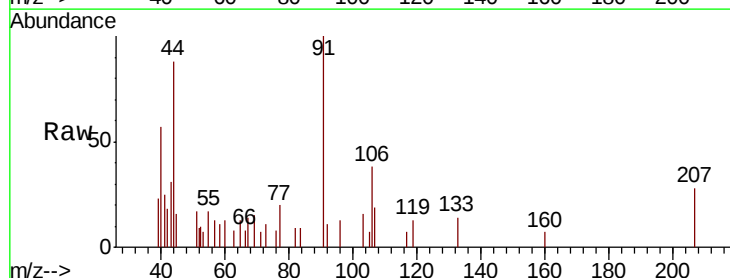
Acq: 19 Sep 2018 20:27

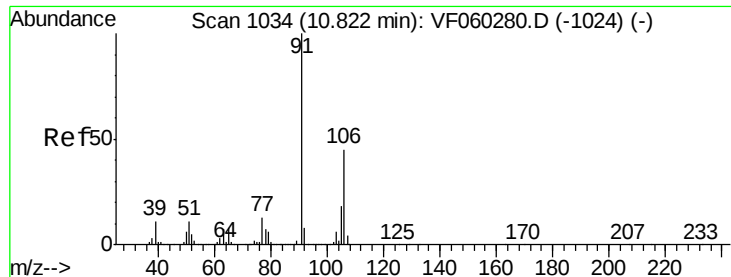
Tgt Ion: 106 Resp: 1237

Ion Ratio Lower Upper

106 100

91 260.1 172.3 258.5#

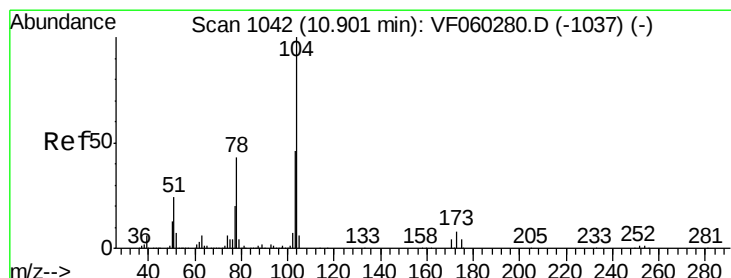
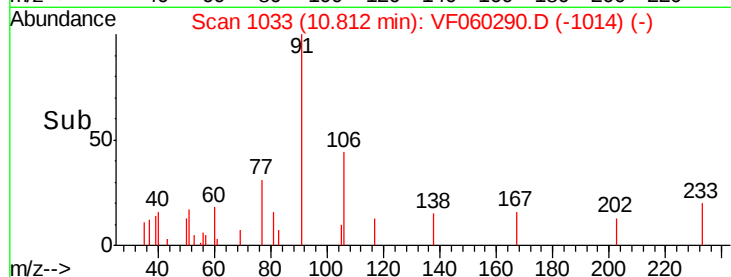
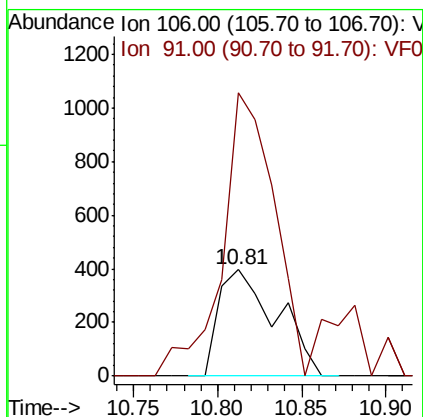
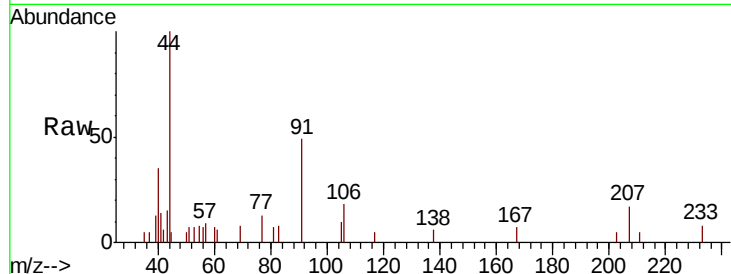




#69
o-Xylene
Concen: 0.169 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

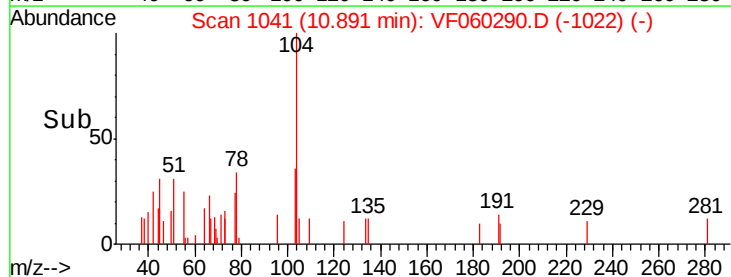
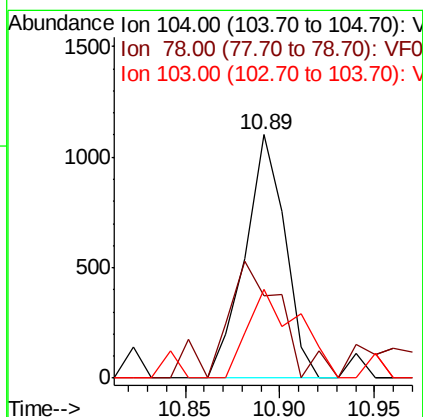
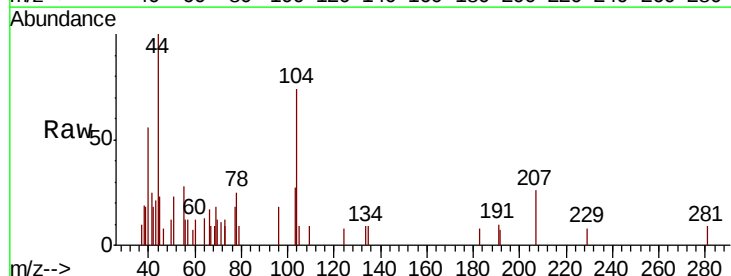
Instrument :
MSVOA_F
ClientSampleId :
RBR200036

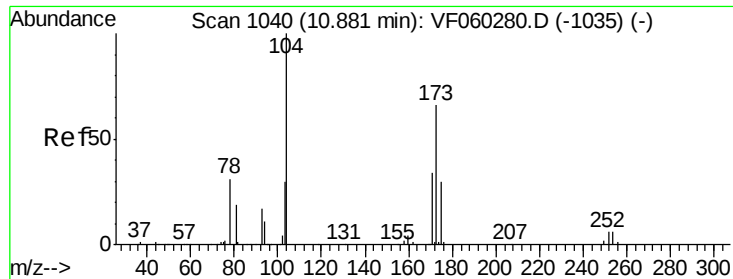
Tgt Ion:106 Resp: 947
Ion Ratio Lower Upper
106 100
91 266.7 110.9 332.6



#70
Styrene
Concen: 0.205 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion:104 Resp: 1622
Ion Ratio Lower Upper
104 100
78 34.0 35.0 52.6#
103 36.3 37.4 56.0#





#71

Bromoform

Concen: 0.039 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

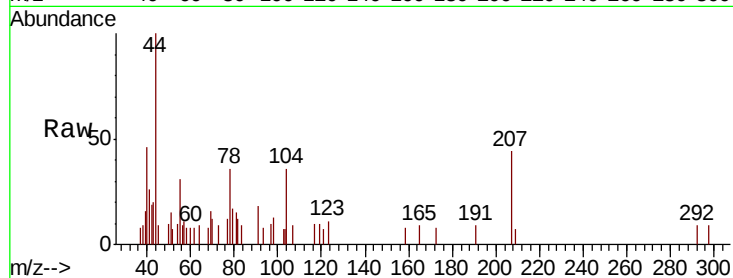
Tgt Ion:173 Resp: 69

Ion Ratio Lower Upper

173 100

175 0.0 22.3 66.9#

254 0.0 0.0 0.0

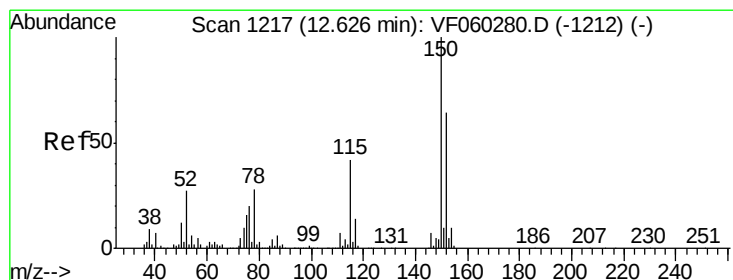
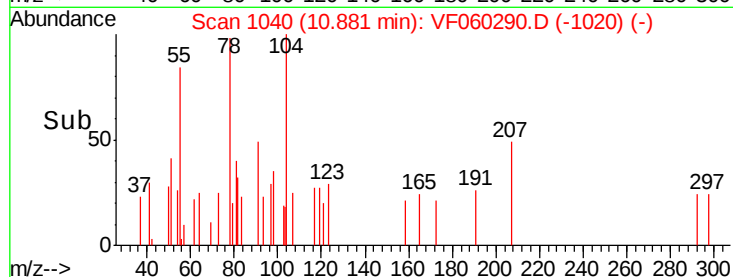
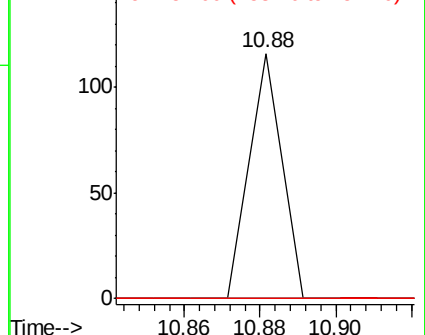


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

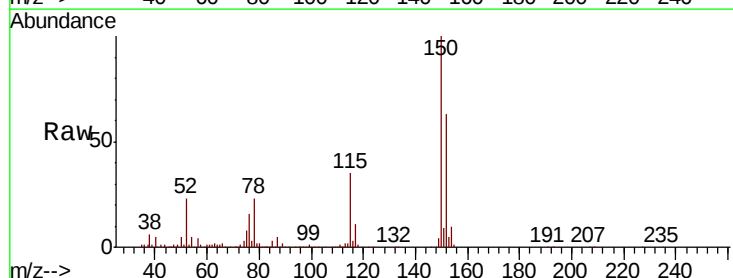
Tgt Ion:152 Resp: 164121

Ion Ratio Lower Upper

152 100

115 56.2 32.6 97.8

150 159.2 0.0 314.2

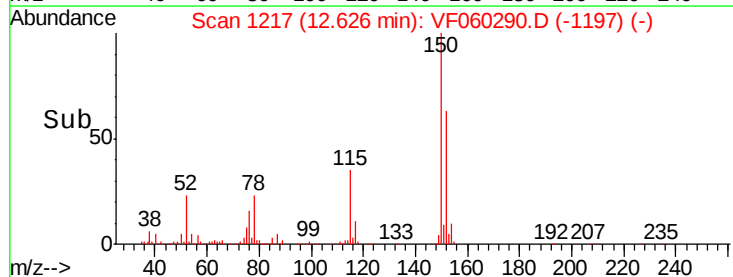
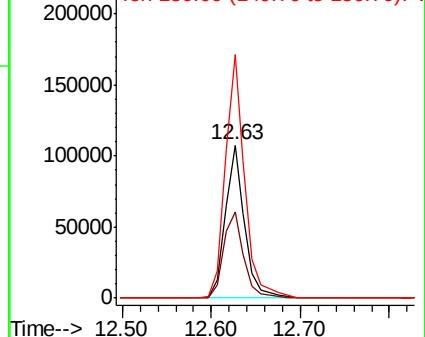


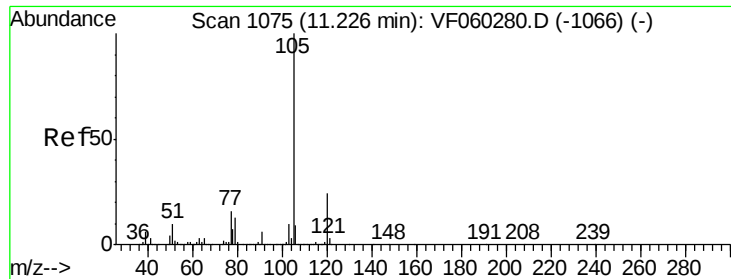
Abundance

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: 0.123 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampled :

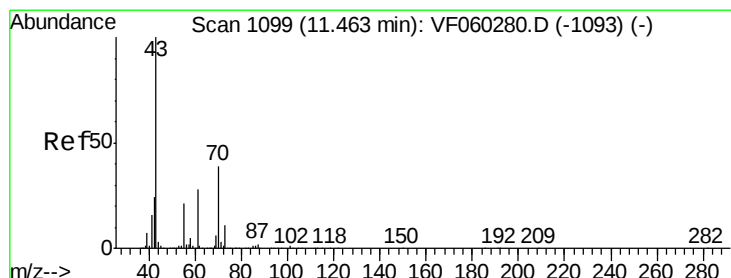
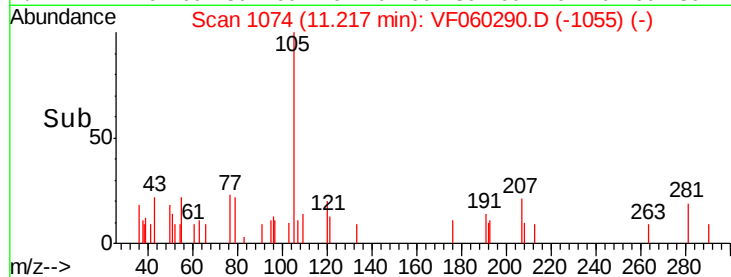
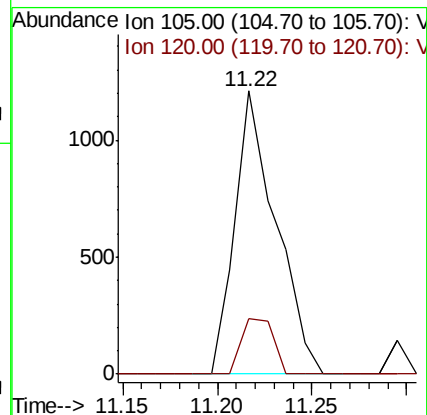
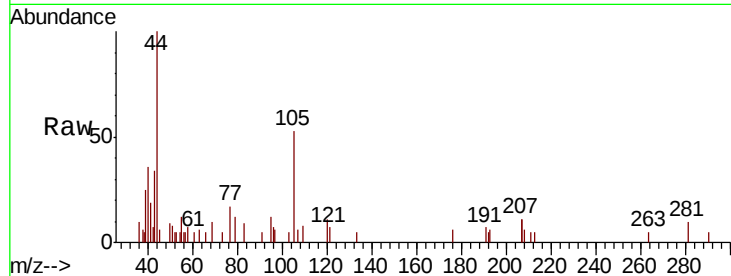
RBR200036

Tgt Ion:105 Resp: 1809

Ion Ratio Lower Upper

105 100

120 19.9 12.2 36.6



#74

N-ethyl acetate

Concen: 1.700 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Tgt Ion: 43 Resp: 5341

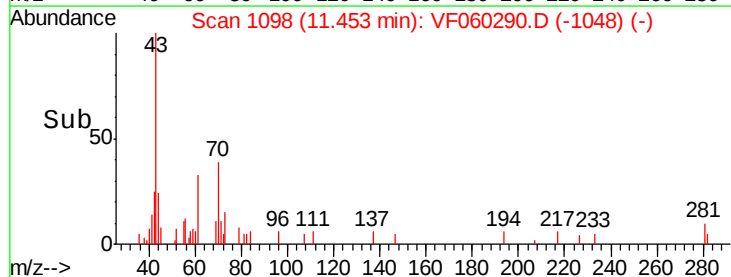
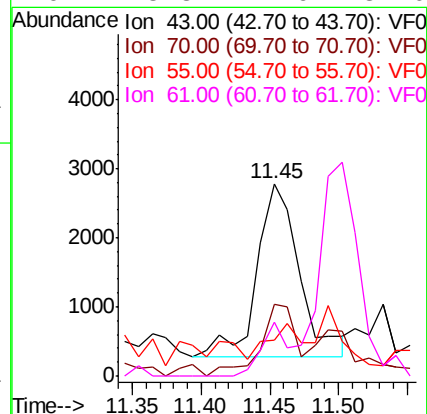
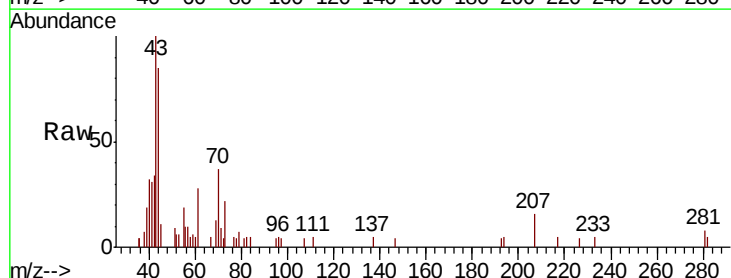
Ion Ratio Lower Upper

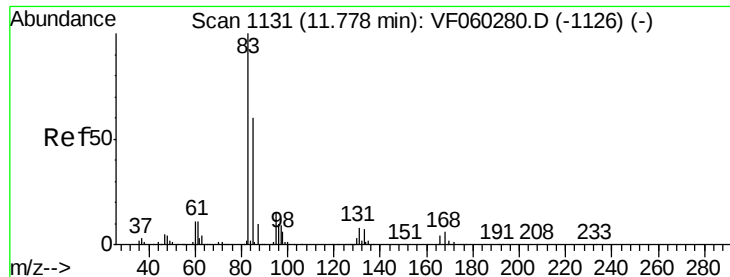
43 100

70 37.2 31.4 47.2

55 18.7 16.8 25.2

61 28.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.123 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.02 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

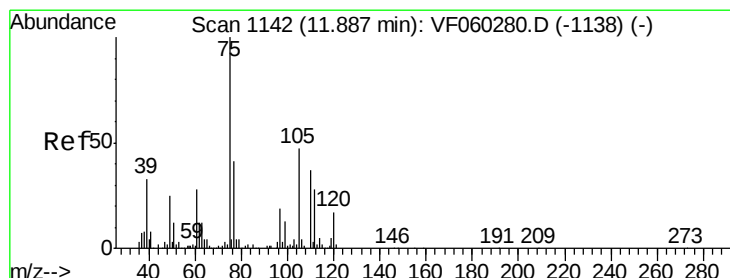
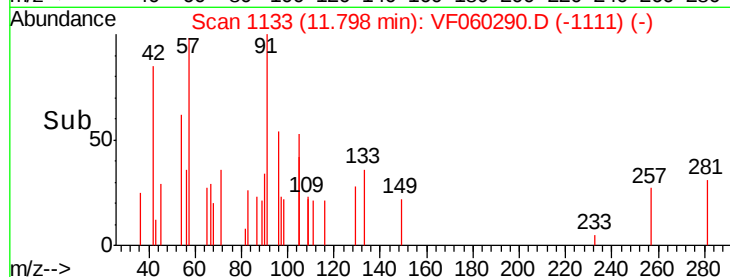
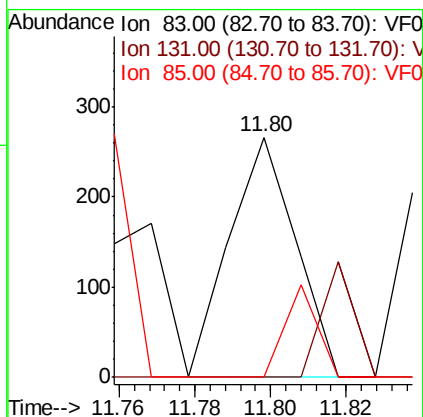
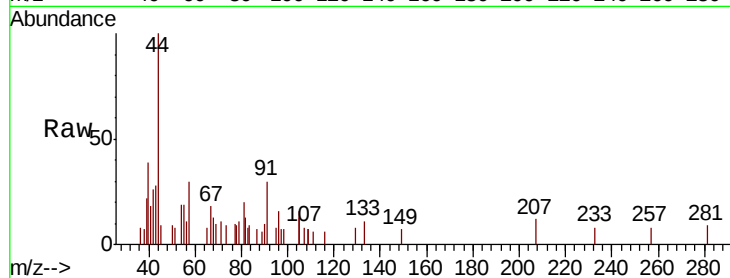
Tgt Ion: 83 Resp: 322

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 0.0 30.1 90.5#



#76

1,2,3-Trichloropropane

Concen: 0.186 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060290.D

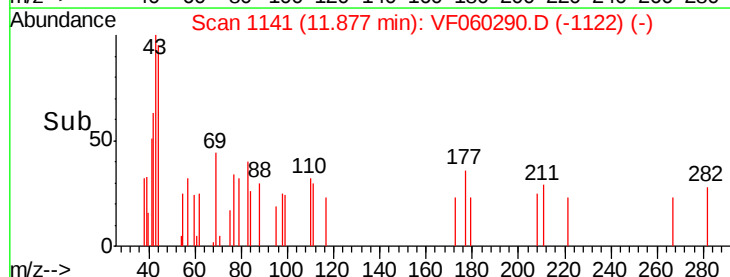
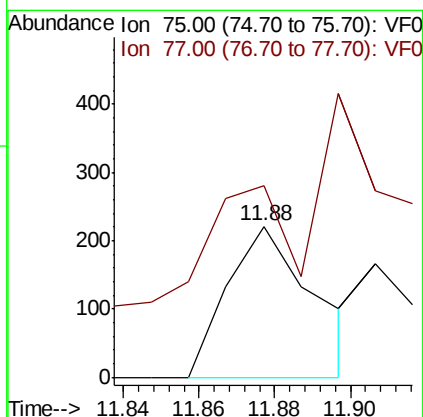
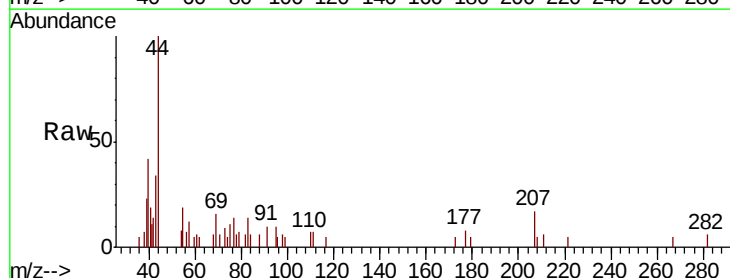
Acq: 19 Sep 2018 20:27

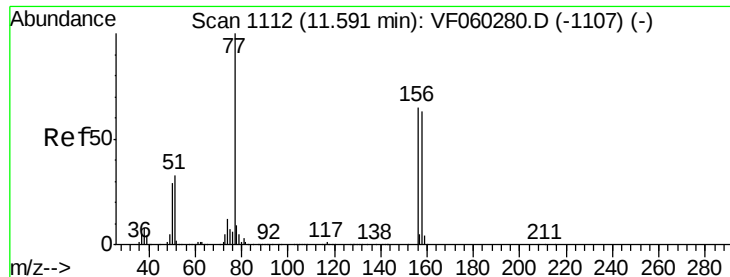
Tgt Ion: 75 Resp: 347

Ion Ratio Lower Upper

75 100

77 127.1 20.5 61.5#

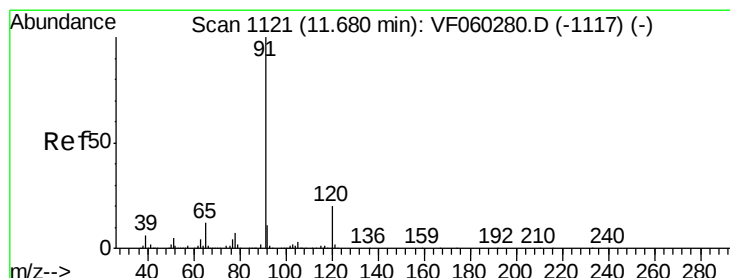
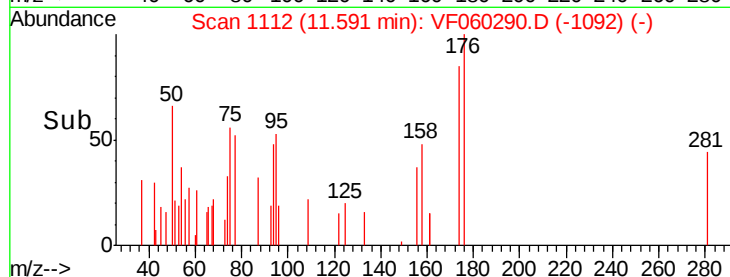
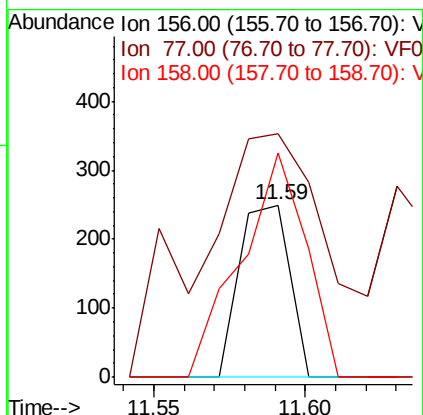
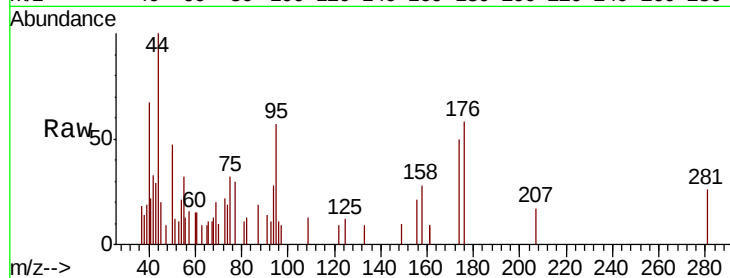




#77
Bromobenzene
Concen: 0.091 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

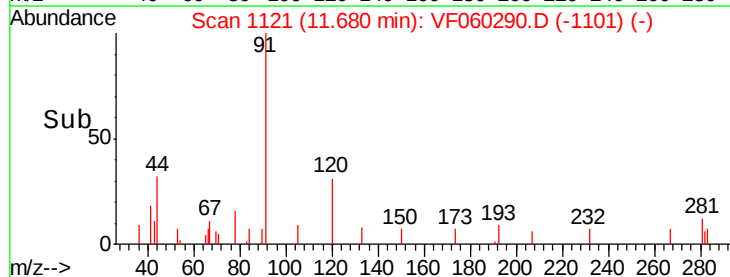
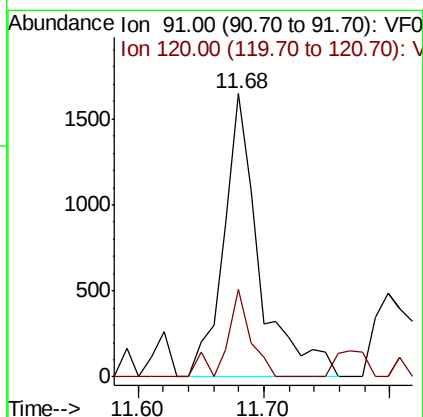
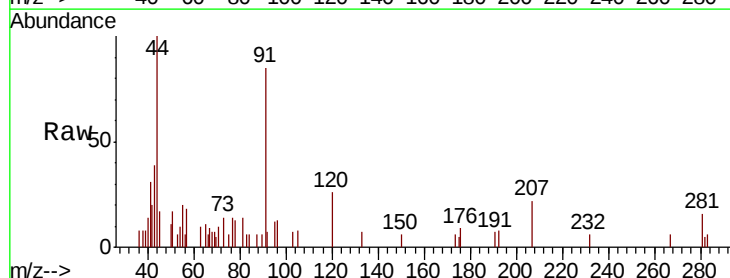
Instrument :
MSVOA_F
ClientSampleId :
RBR200036

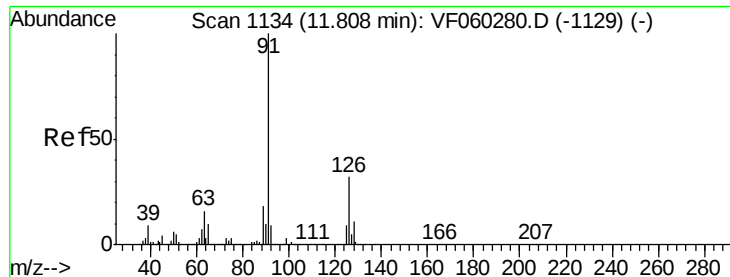
Tgt Ion: 156 Resp: 288
Ion Ratio Lower Upper
156 100
77 141.8 77.3 232.1
158 130.9 48.4 145.2



#78
n-propylbenzene
Concen: Below Cal
RT: 11.68 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF060290.D
Acq: 19 Sep 2018 20:27

Tgt Ion: 91 Resp: 3201
Ion Ratio Lower Upper
91 100
120 30.8 10.0 29.8#





#79

2-Chlorotoluene

Concen: 0.126 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

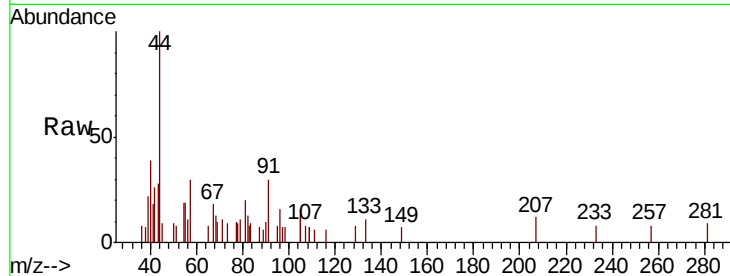
RBR200036

Tgt Ion: 91 Resp: 1252

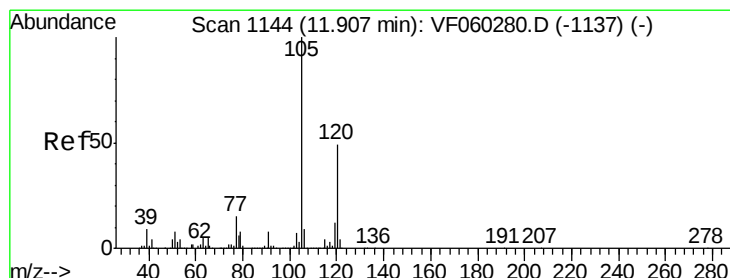
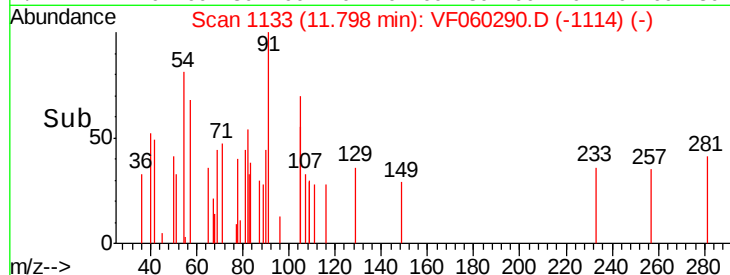
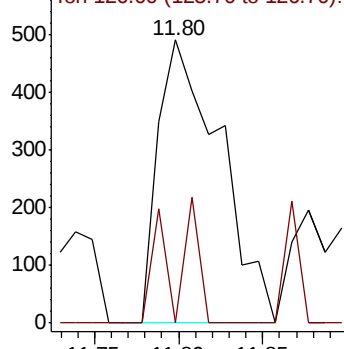
Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.3#



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



#80

1,3,5-Trimethylbenzene

Concen: 0.162 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060290.D

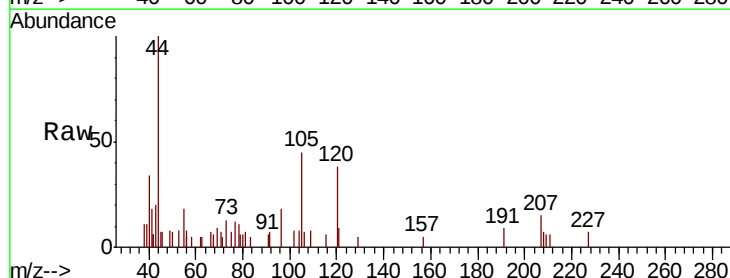
Acq: 19 Sep 2018 20:27

Tgt Ion: 105 Resp: 1918

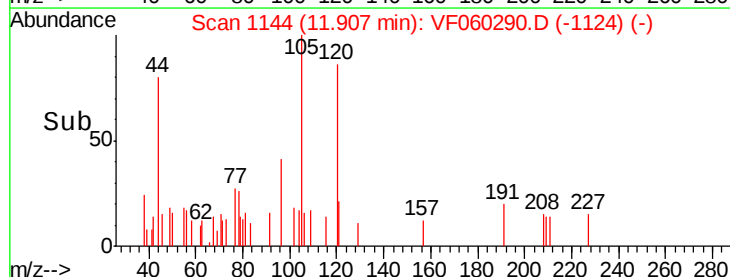
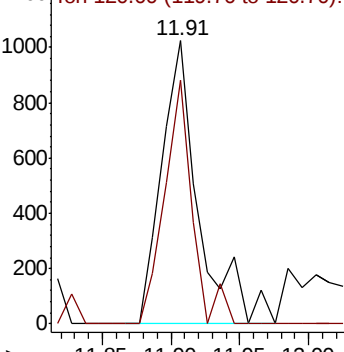
Ion Ratio Lower Upper

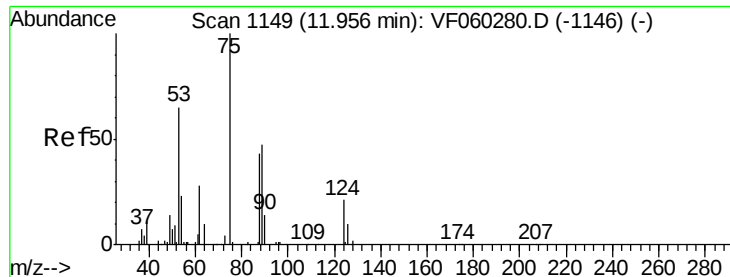
105 100

120 85.9 24.4 73.2#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 0.242 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

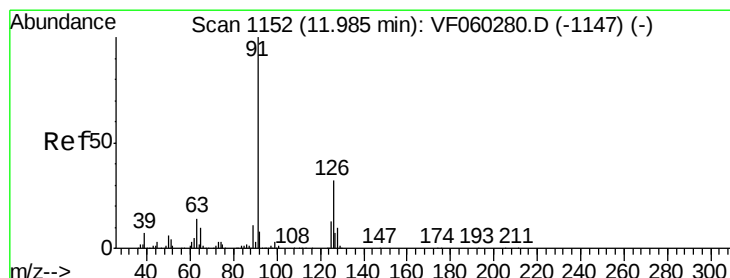
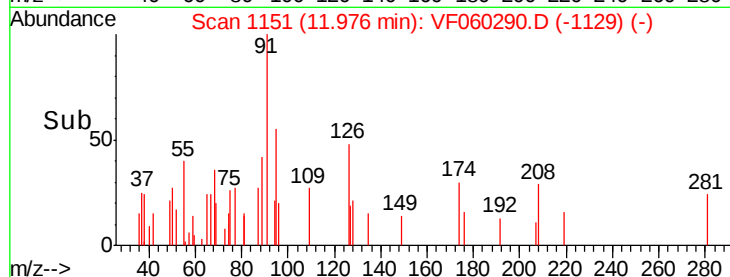
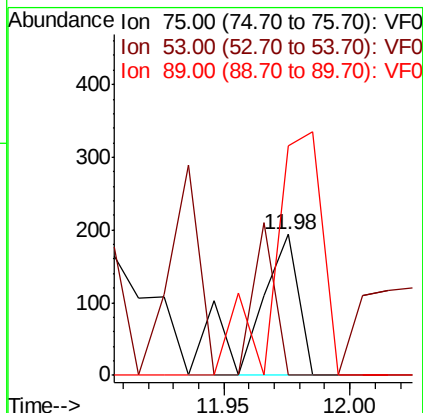
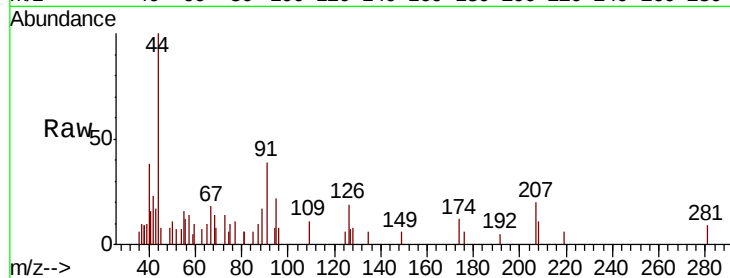
Tgt Ion: 75 Resp: 239

Ion Ratio Lower Upper

75 100

53 0.0 56.5 84.7#

89 162.9 40.6 60.8#



#82

4-Chlorotoluene

Concen: 0.171 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060290.D

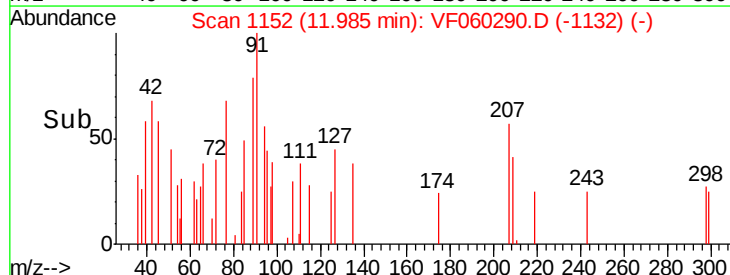
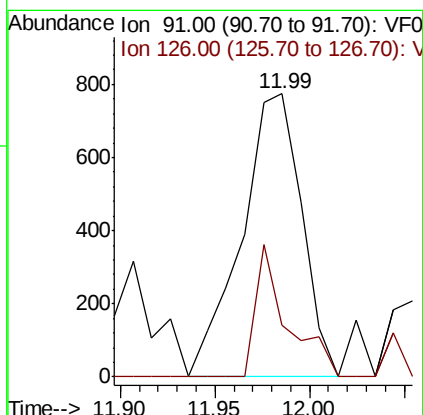
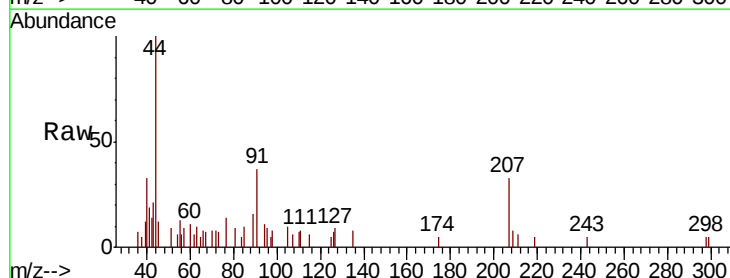
Acq: 19 Sep 2018 20:27

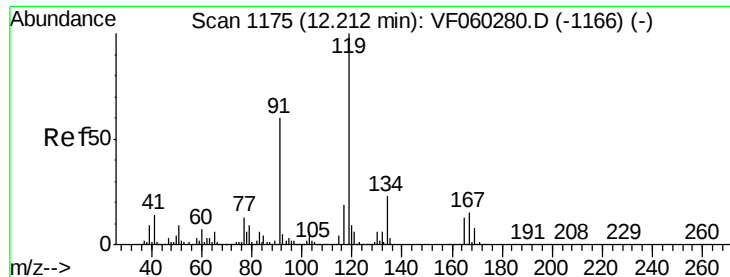
Tgt Ion: 91 Resp: 1713

Ion Ratio Lower Upper

91 100

126 18.2 16.1 48.2

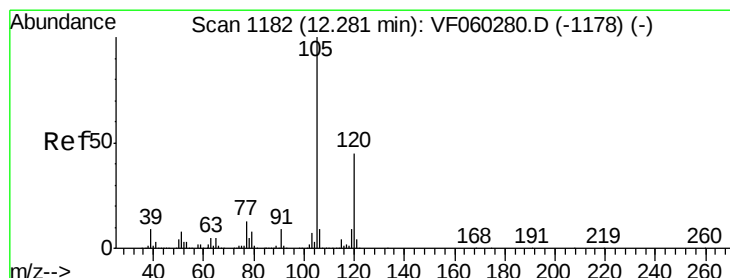
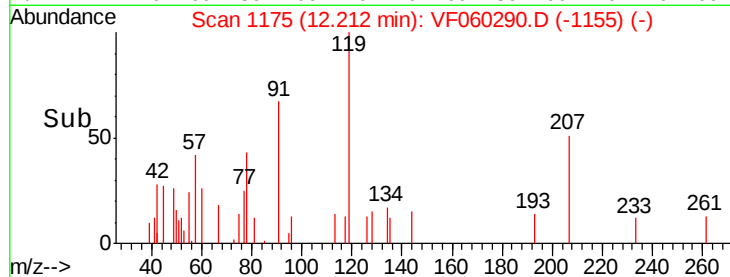
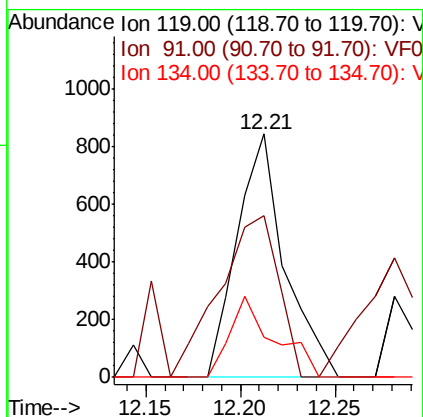
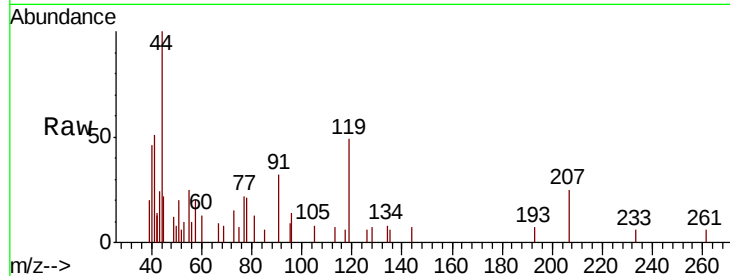




#83
 tert-Butylbenzene
 Concen: 0.123 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

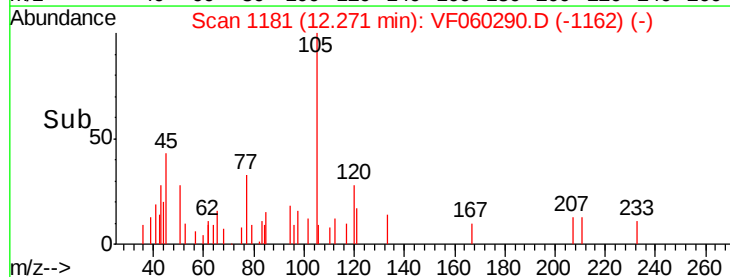
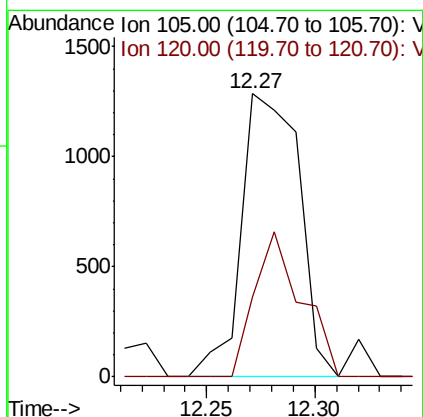
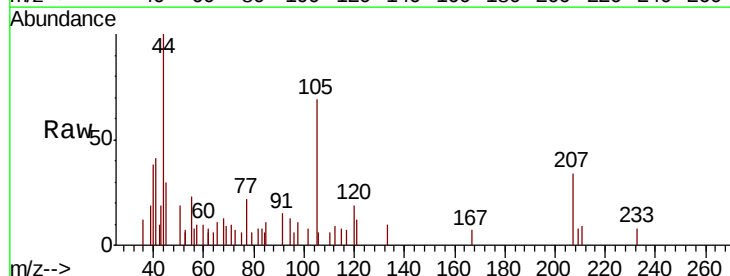
Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

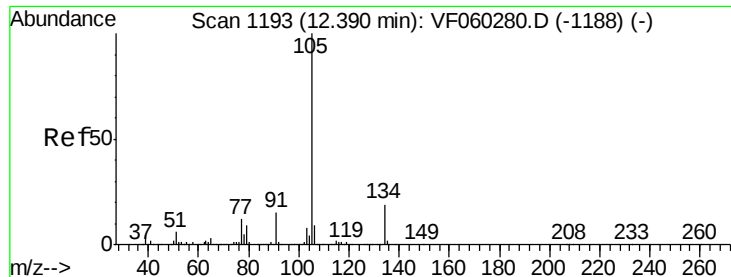
Tgt Ion:119 Resp: 1481
 Ion Ratio Lower Upper
 119 100
 91 66.6 30.3 91.0
 134 16.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 0.198 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Tgt Ion:105 Resp: 2382
 Ion Ratio Lower Upper
 105 100
 120 28.1 22.4 67.0

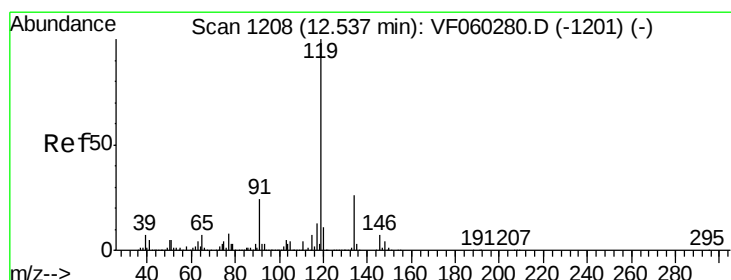
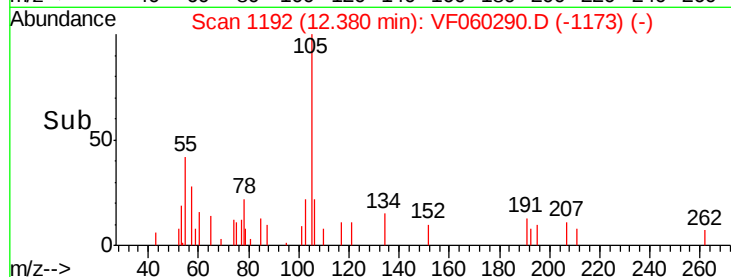
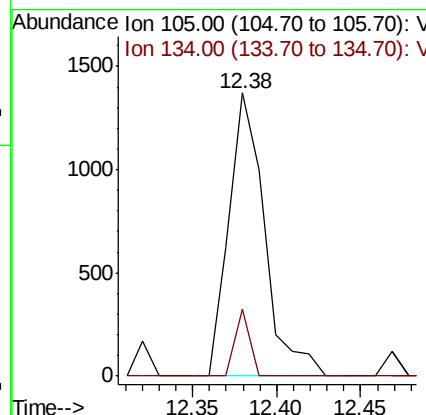
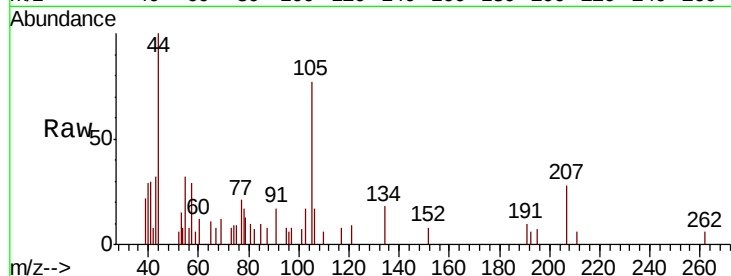




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

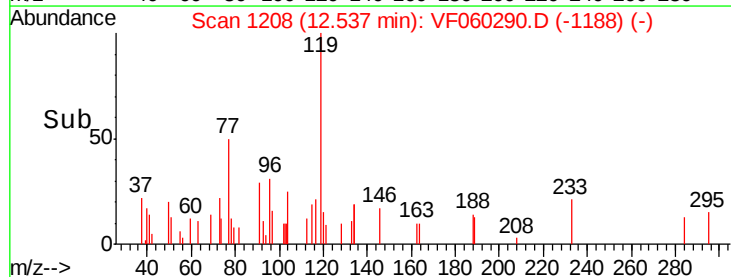
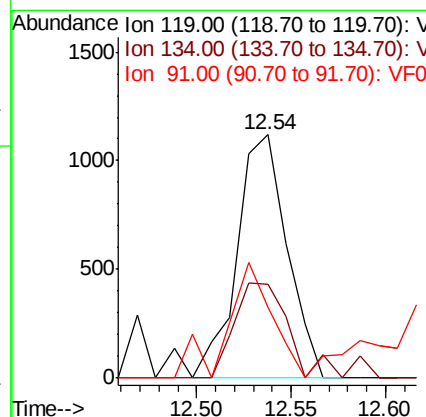
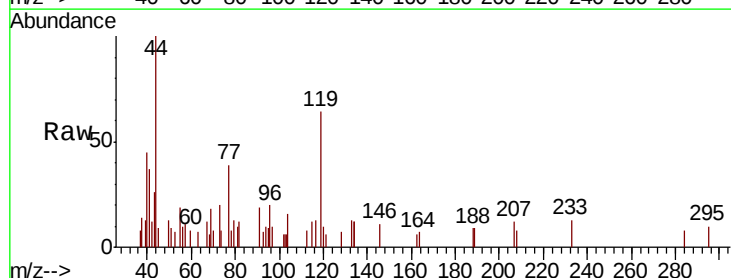
Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

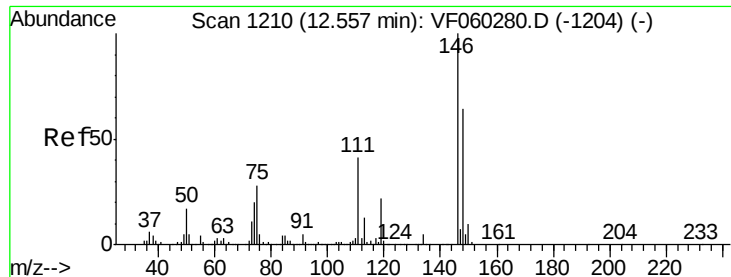
Tgt Ion:105 Resp: 2020
 Ion Ratio Lower Upper
 105 100
 134 23.6 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Tgt Ion:119 Resp: 2051
 Ion Ratio Lower Upper
 119 100
 134 38.4 12.9 38.7
 91 28.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 0.153 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

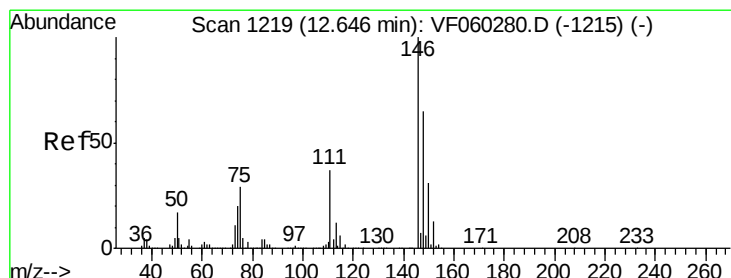
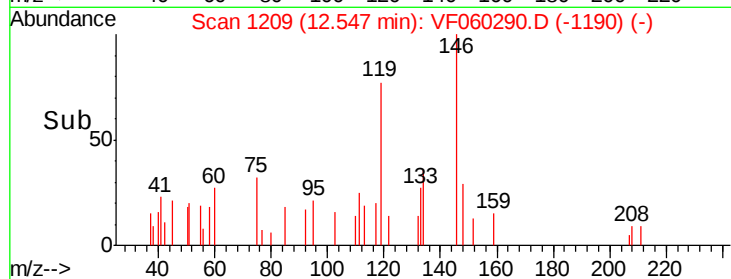
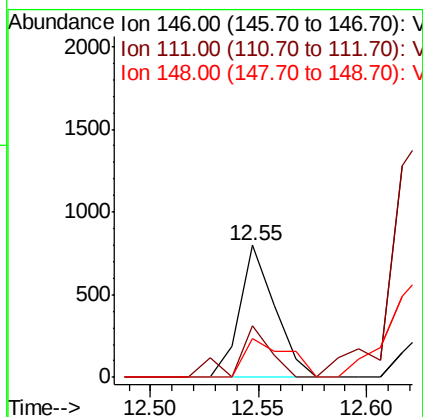
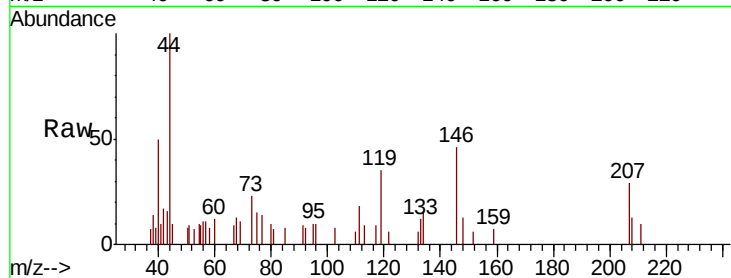
Instrument :

MSVOA_F

ClientSampleId :

RBR200036

Tgt Ion:	146	Resp:	907
Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.5	61.6
148	29.4	32.2	96.6#



#88

1,4-Dichlorobenzene

Concen: 0.200 ug/l

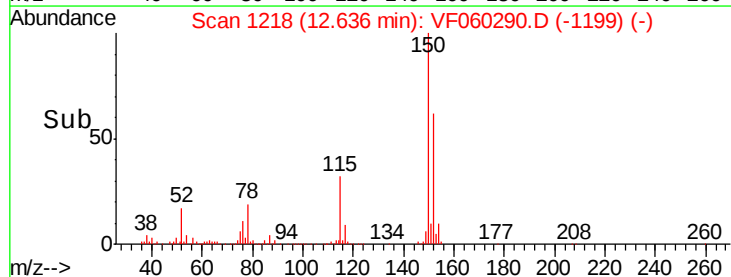
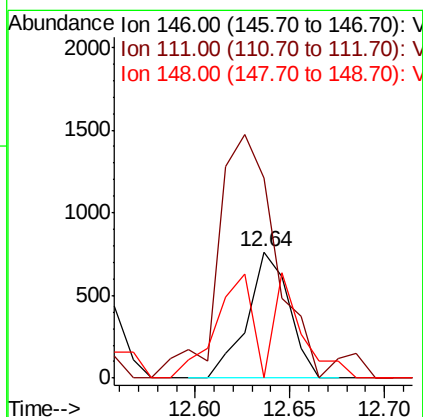
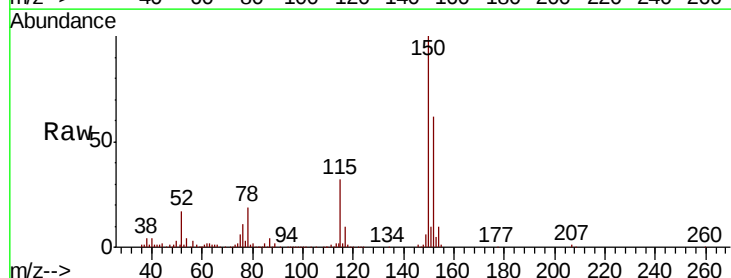
RT: 12.64 min Scan# 1218

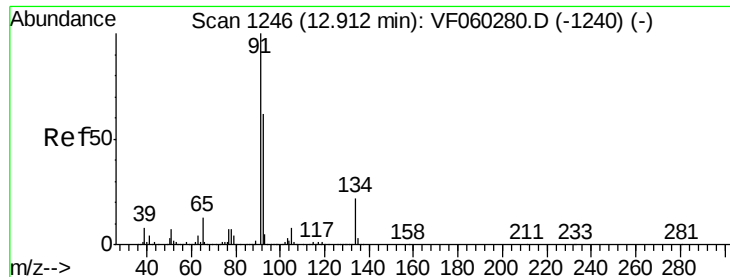
Delta R.T. -0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Tgt Ion:	146	Resp:	1175
Ion	Ratio	Lower	Upper
146	100		
111	158.4	18.7	56.1#
148	0.0	32.4	97.0#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.91 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

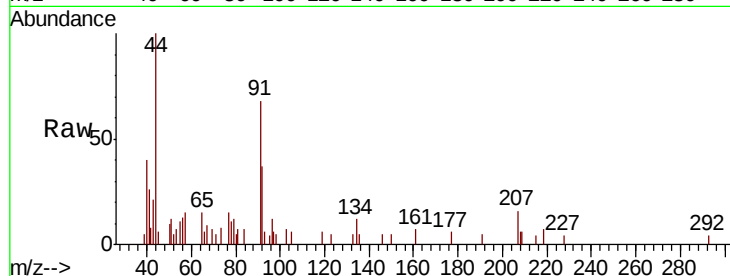
Tgt Ion: 91 Resp: 3011

Ion Ratio Lower Upper

91 100

92 54.4 31.1 93.5

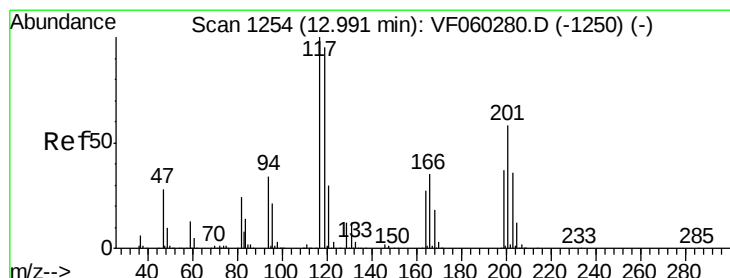
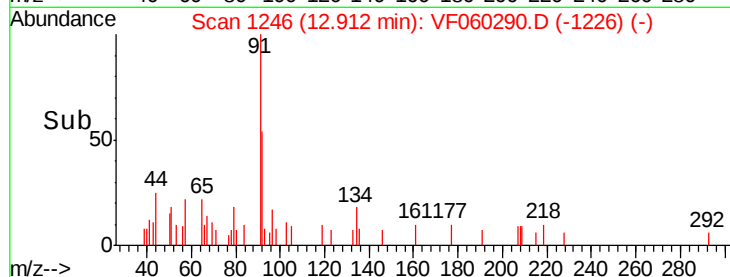
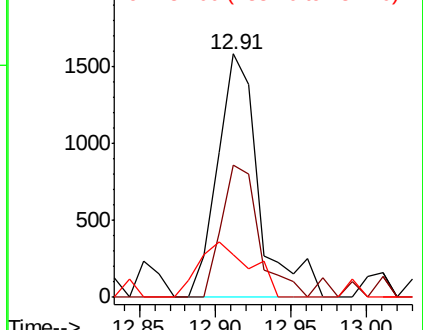
134 17.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.047 ug/l

RT: 13.11 min Scan# 1266

Delta R.T. 0.12 min

Lab File: VF060290.D

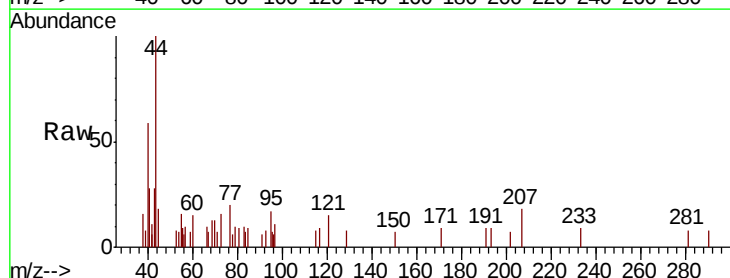
Acq: 19 Sep 2018 20:27

Tgt Ion: 117 Resp: 157

Ion Ratio Lower Upper

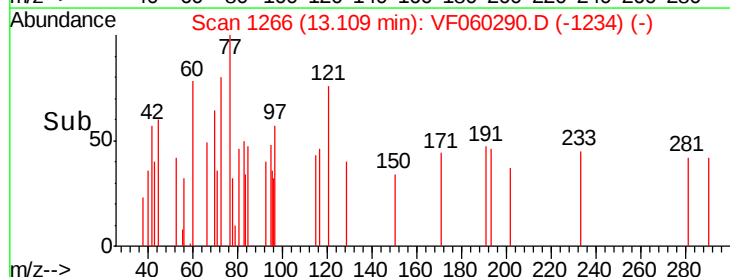
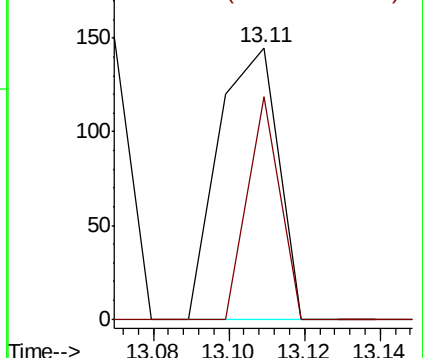
117 100

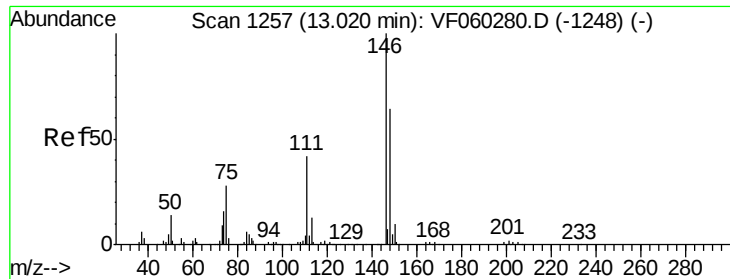
201 82.1 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 0.181 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

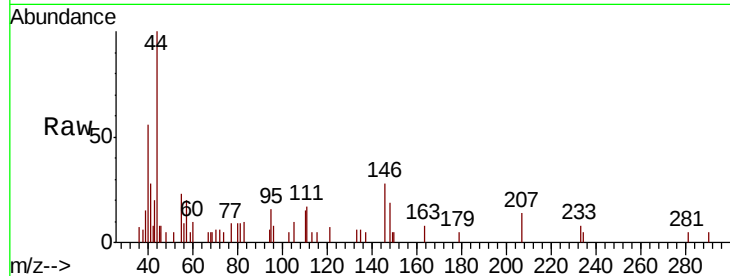
Tgt Ion:146 Resp: 1025

Ion Ratio Lower Upper

146 100

111 59.5 20.9 62.8

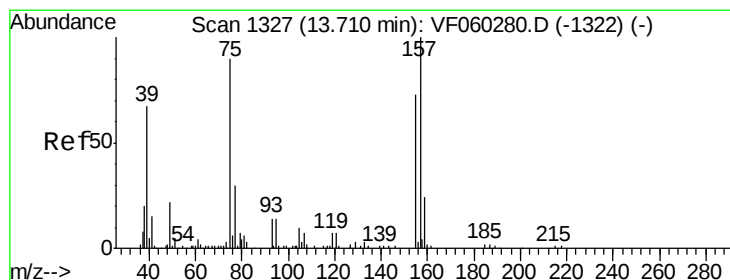
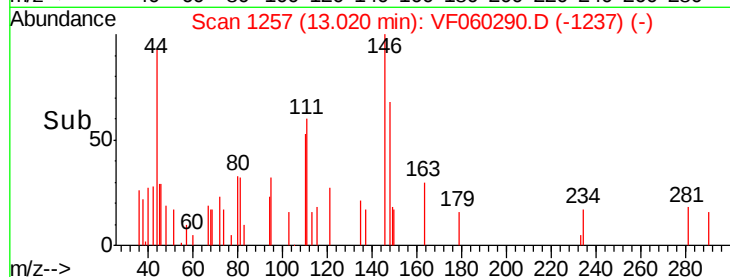
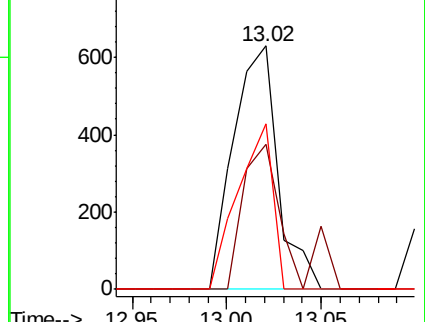
148 67.9 31.9 95.9



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: 0.377 ug/l

RT: 13.72 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

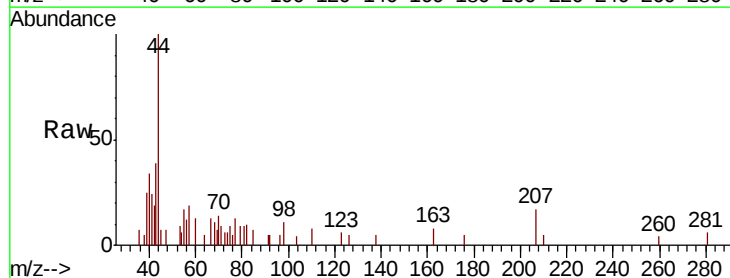
Tgt Ion: 75 Resp: 185

Ion Ratio Lower Upper

75 100

155 0.0 41.9 125.7#

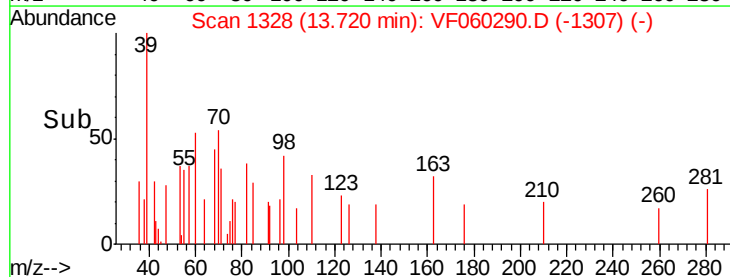
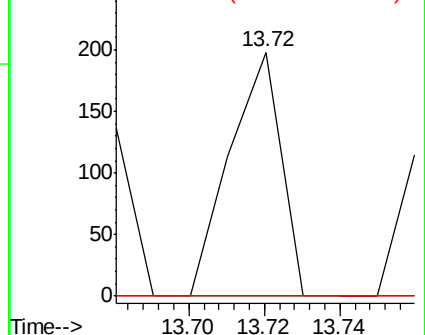
157 0.0 57.4 172.0#

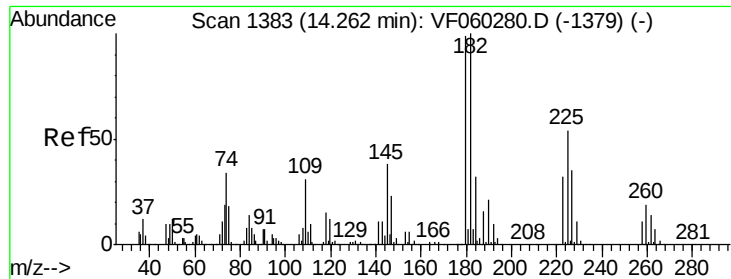


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

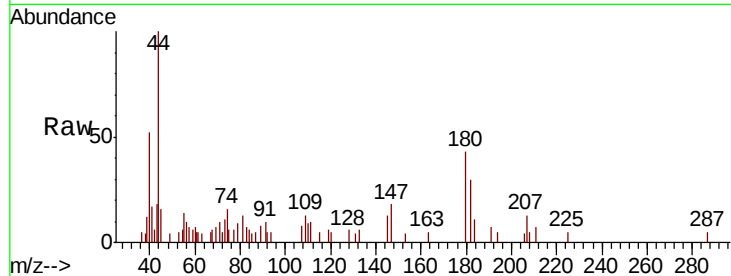




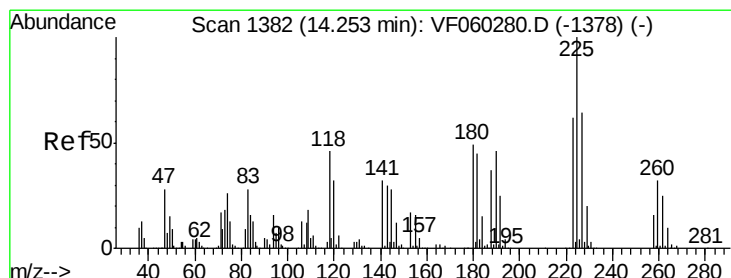
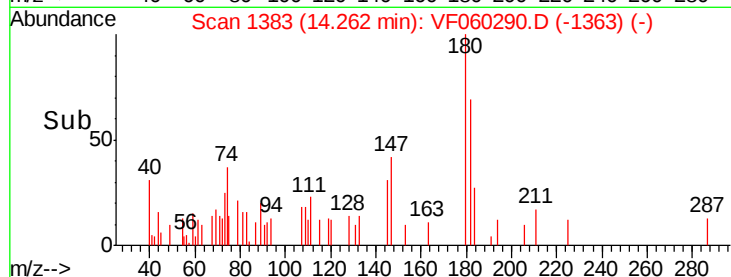
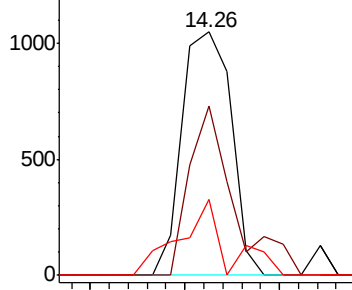
#93
 1,2,4-Trichlorobenzene
 Concen: 0.458 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR200036

Tgt Ion	Ratio	Lower	Upper
180	100		
182	69.4	50.3	151.0
145	31.1	18.9	56.9

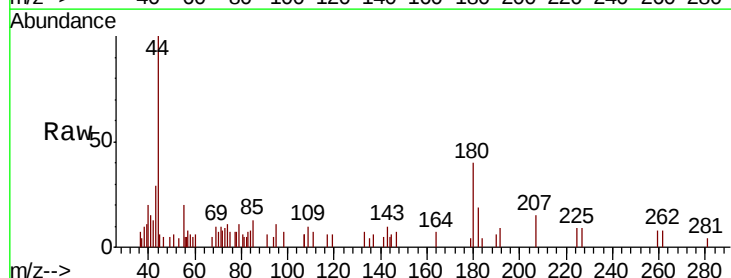


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

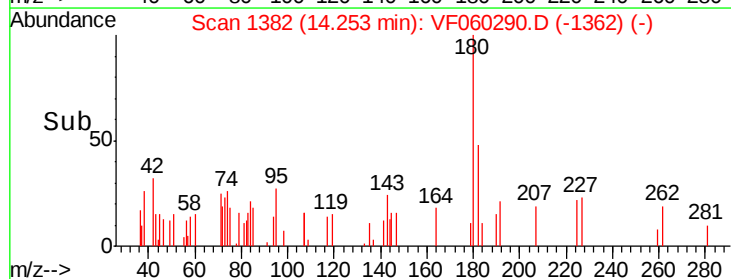
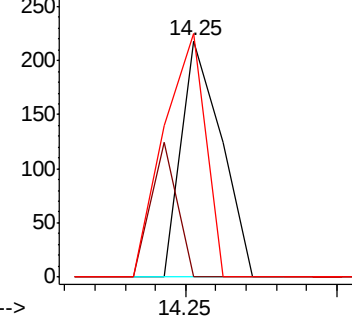


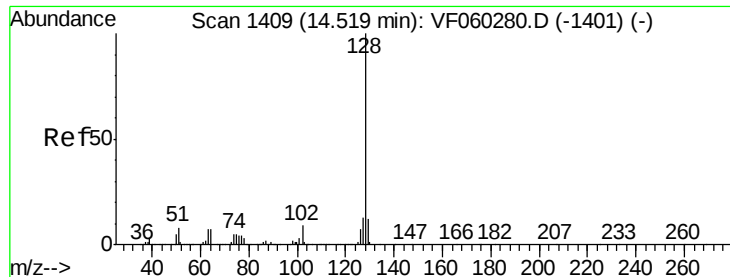
#94
 Hexachlorobutadiene
 Concen: 0.073 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060290.D
 Acq: 19 Sep 2018 20:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.2	93.6#
227	103.2	32.2	96.6#



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 1.140 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

RBR200036

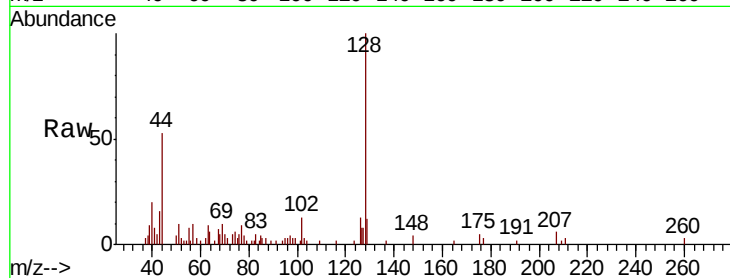
Tgt Ion:128 Resp: 8224

Ion Ratio Lower Upper

128 100

127 16.2 10.1 15.1#

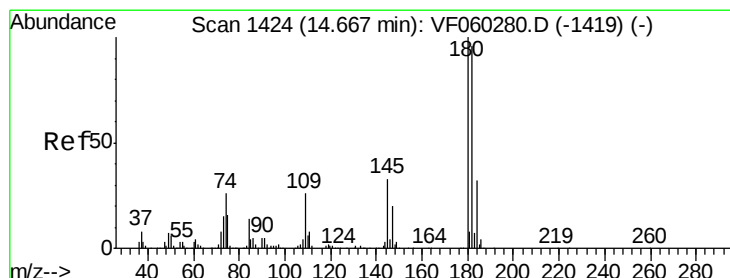
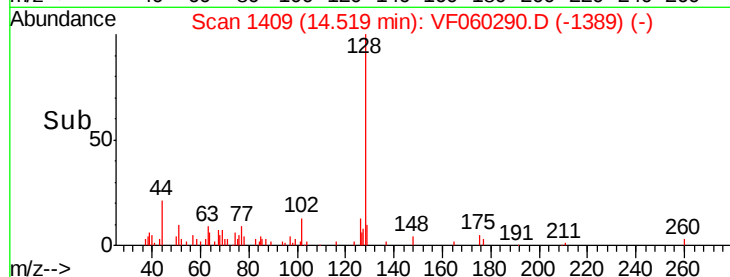
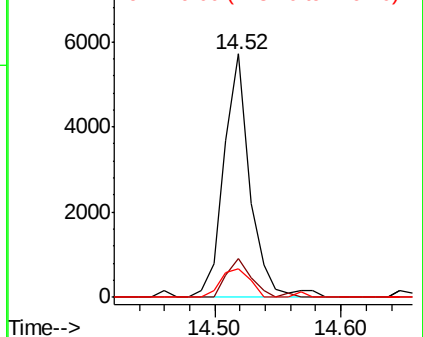
129 11.7 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.443 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060290.D

Acq: 19 Sep 2018 20:27

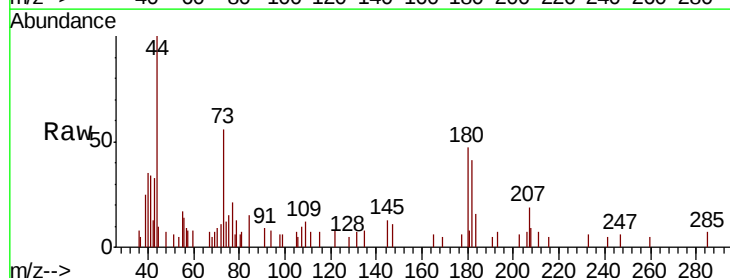
Tgt Ion:180 Resp: 1683

Ion Ratio Lower Upper

180 100

182 75.4 47.8 143.4

145 24.5 16.4 49.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

