

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
 Data File : VF060480.D
 Acq On : 8 Oct 2018 12:29
 Operator : VA/AP
 Sample : VF1008SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 09 01:26:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	249267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.72	114	411429	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	366398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	191293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.97	65	193942	49.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	4.25	113	197571	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	7.67	98	479775	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.48	95	210937	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	139905	23.067	ug/l	98
3) Chloromethane	1.13	50	79189	23.395	ug/l	97
4) Vinyl Chloride	1.17	62	79827	22.671	ug/l	96
5) Bromomethane	1.35	94	61007	22.368	ug/l	86
6) Chloroethane	1.42	64	39871	22.691	ug/l	98
7) Trichlorofluoromethane	1.53	101	176179	21.566	ug/l	90
8) Diethyl Ether	1.69	74	23868	21.319	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	86611	22.133	ug/l	97
10) Methyl Iodide	1.96	142	133998	22.454	ug/l	95
11) Tert butyl alcohol	2.68	59	22850	96.852	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	66735	22.072	ug/l	97
13) Acrolein	2.07	56	18385	96.898	ug/l #	81
14) Allyl chloride	2.16	41	108020	22.296	ug/l	95
15) Acrylonitrile	3.04	53	45669	112.969	ug/l	94
16) Acetone	2.32	43	115275	132.326	ug/l	97
17) Carbon Disulfide	1.88	76	206118	22.513	ug/l	95
18) Methyl Acetate	2.43	43	29633	19.117	ug/l	96
19) Methyl tert-butyl Ether	2.51	73	162671	22.089	ug/l	91
20) Methylene Chloride	2.26	84	27088	4.441	ug/l	90
21) trans-1,2-Dichloroethene	2.39	96	68233	22.596	ug/l	95
22) Diisopropyl ether	2.90	45	211944	24.101	ug/l #	95
23) Vinyl Acetate	3.30	43	376503	107.781	ug/l	99
24) 1,1-Dichloroethane	2.97	63	143692	24.163	ug/l	99
25) 2-Butanone	4.47	43	112125	111.020	ug/l #	90
26) 2,2-Dichloropropane	3.73	77	76616	22.747	ug/l	90
27) cis-1,2-Dichloroethene	3.59	96	74775	22.147	ug/l	92
28) Bromochloromethane	3.85	49	46359	21.152	ug/l	98
29) Tetrahydrofuran	4.21	42	41507	106.468	ug/l	96
30) Chloroform	4.00	83	163007	22.214	ug/l	95
31) Cyclohexane	3.82	56	99819	23.376	ug/l	90
32) 1,1,1-Trichloroethane	4.23	97	136419	22.341	ug/l	96
36) 1,1-Dichloropropene	4.42	75	113972	22.468	ug/l	95
37) Ethyl Acetate	4.25	43	39951	20.567	ug/l	80
38) Carbon Tetrachloride	4.12	117	124850	20.220	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	118640	23.857	ug/l	86
40) Benzene	4.76	78	238198	23.654	ug/l	98
41) Methacrylonitrile	4.88	41	22851	22.186	ug/l #	82
42) 1,2-Dichloroethane	5.08	62	99176	20.644	ug/l	97
43) Isopropyl Acetate	7.07	43	44034	18.758	ug/l #	96
44) Trichloroethene	5.63	130	74841	23.163	ug/l	99
45) 1,2-Dichloropropane	6.36	63	59231	22.087	ug/l	96
46) Dibromomethane	6.21	93	43943	20.380	ug/l	86
47) Bromodichloromethane	6.51	83	112873	21.137	ug/l	96
48) Methyl methacrylate	6.84	41	33367	19.801	ug/l	96
49) 1,4-Dioxane	6.83	88	5457	375.589	ug/l #	68
51) 4-Methyl-2-Pentanone	8.36	43	165693	99.156	ug/l	97
52) Toluene	7.74	92	144818	21.173	ug/l	98
53) t-1,3-Dichloropropene	8.38	75	92110	22.010	ug/l	99
54) cis-1,3-Dichloropropene	7.42	75	103662	21.194	ug/l	98
55) 1,1,2-Trichloroethane	8.60	97	42276	19.500	ug/l #	92
56) Ethyl methacrylate	8.72	69	45202	18.348	ug/l	93
57) 1,3-Dichloropropane	8.96	76	77848	21.225	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.74	63	27792	110.442	ug/l	100
59) 2-Hexanone	9.60	43	131051	106.921	ug/l	96
60) Dibromochloromethane	8.83	129	68398	20.953	ug/l	95
61) 1,2-Dibromoethane	9.10	107	52208	22.007	ug/l	92
64) Tetrachloroethene	8.26	164	66478	22.824	ug/l	94
65) Chlorobenzene	9.90	112	165332	21.967	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.04	131	76552	23.294	ug/l	98
67) Ethyl Benzene	10.00	91	314130	21.950	ug/l	95
68) m/p-Xylenes	10.24	106	221295	44.983	ug/l	98
69) o-Xylene	10.80	106	114227	21.301	ug/l	85
70) Styrene	10.87	104	167326	21.937	ug/l	98
71) Bromoform	10.86	173	32963	18.840	ug/l	89
73) Isopropylbenzene	11.20	105	345388	22.931	ug/l	96
74) N-amyl acetate	11.44	43	67257	19.456	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	58407	21.270	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	42351	20.949	ug/l	96
77) Bromobenzene	11.57	156	75462	22.413	ug/l	97
78) n-propylbenzene	11.67	91	436679	23.915	ug/l	100
79) 2-Chlorotoluene	11.78	91	245250	22.961	ug/l	97
80) 1,3,5-Trimethylbenzene	11.88	105	304300	23.779	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	26475	29.543	ug/l #	90
82) 4-Chlorotoluene	11.96	91	248959	22.780	ug/l	94
83) tert-Butylbenzene	12.19	119	304415	24.118	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	226189	17.823	ug/l	90
85) sec-Butylbenzene	12.36	105	415736	23.863	ug/l	98
86) p-Isopropyltoluene	12.51	119	333211	23.411	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	145546	22.973	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	141861	22.707	ug/l	98
89) n-Butylbenzene	12.90	91	368500	24.467	ug/l	94
90) Hexachloroethane	12.98	117	87088	23.674	ug/l	74
91) 1,2-Dichlorobenzene	13.00	146	137826	22.704	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10524	19.769	ug/l	78

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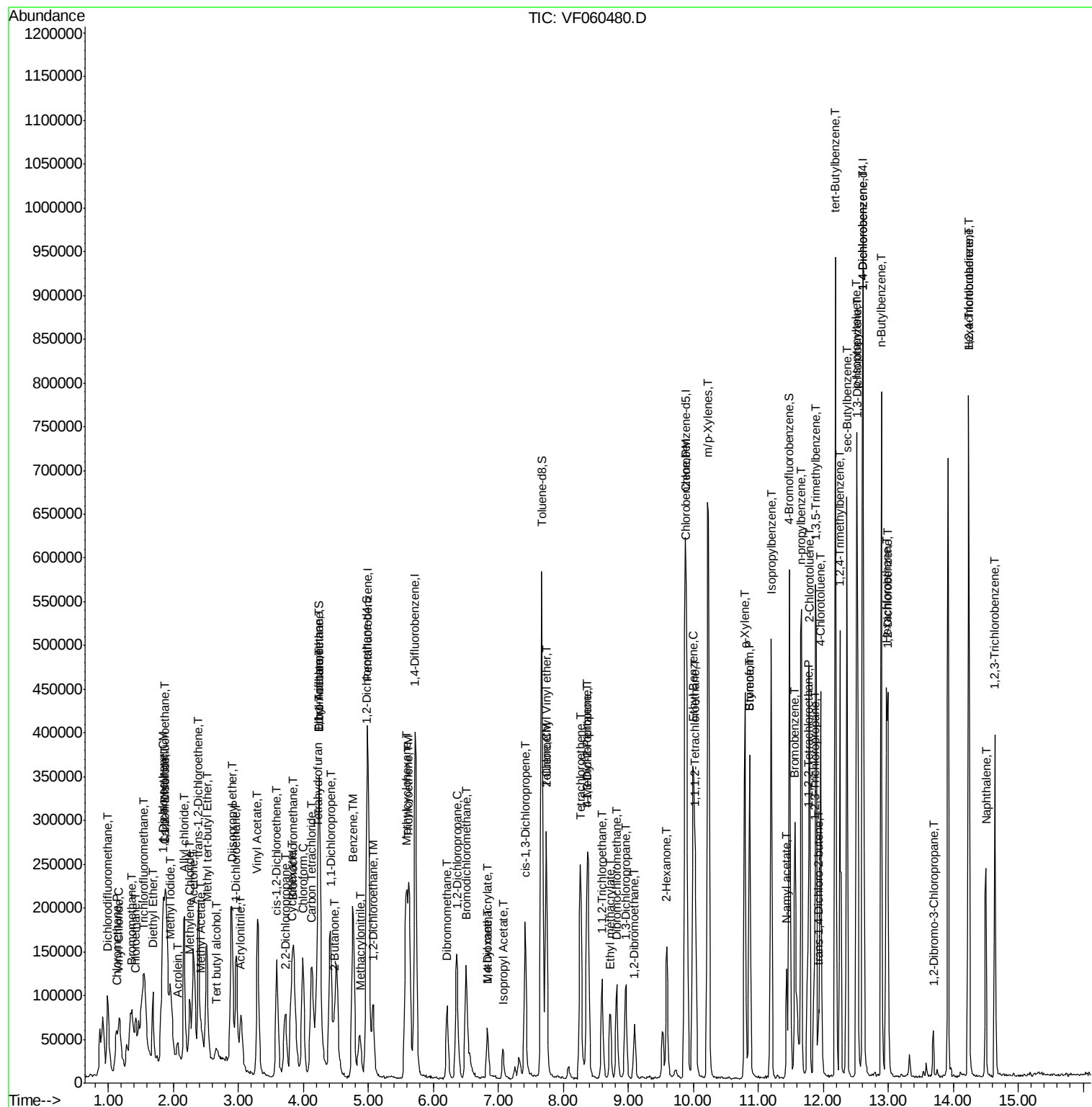
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	110166	24.280	ug/l	98
94) Hexachlorobutadiene	14.24	225	73701	23.274	ug/l	95
95) Naphthalene	14.50	128	166716	20.551	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	100338	23.591	ug/l	99

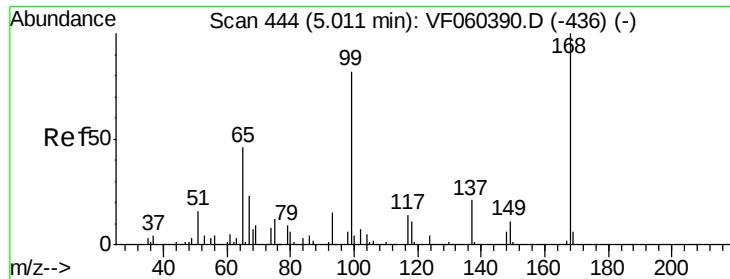
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

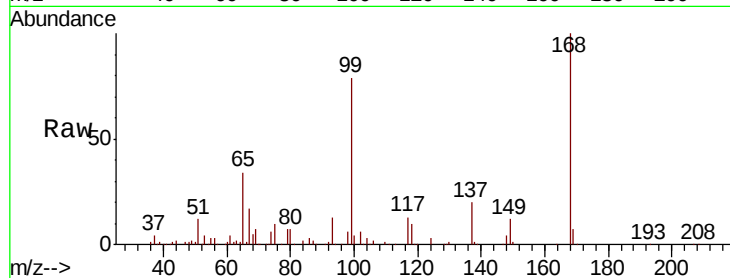
ClientSampleId :

Tot Ion:168 Resp: 249267

Ion Ratio Lower Upper

168 100

99 79.3 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

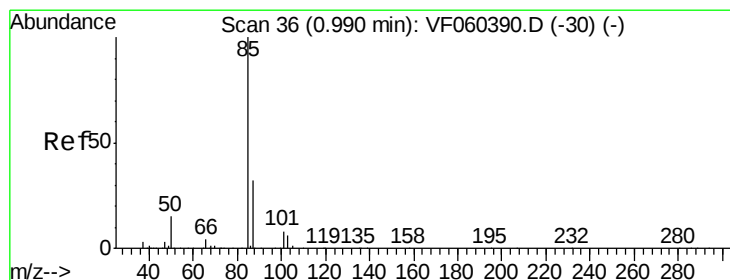
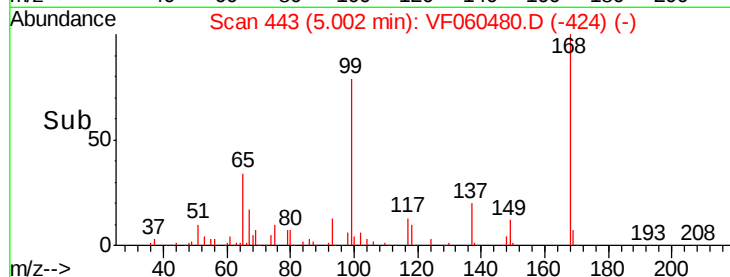
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 23.067 ug/l

RT: 0.99 min Scan# 36

Delta R.T. 0.00 min

Lab File: VF060480.D

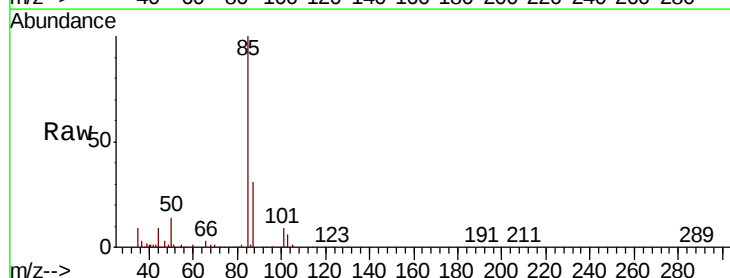
Acq: 8 Oct 2018 12:29

Tgt Ion: 85 Resp: 139905

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

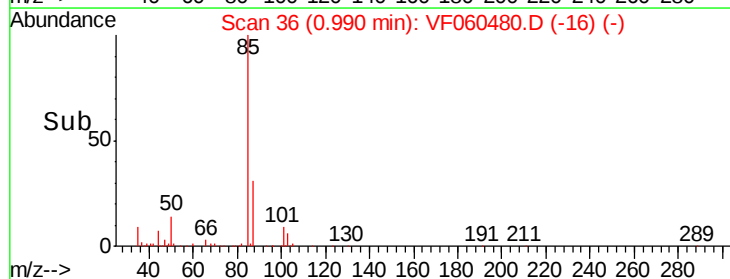
30000

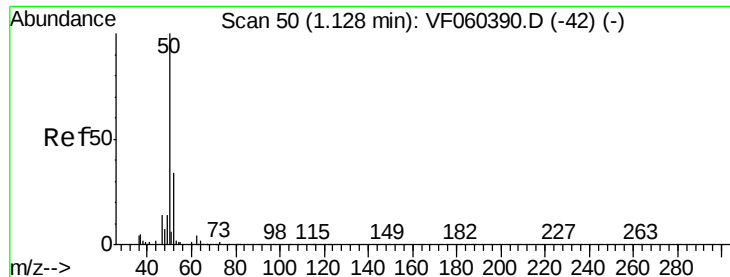
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.395 ug/l

RT: 1.13 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

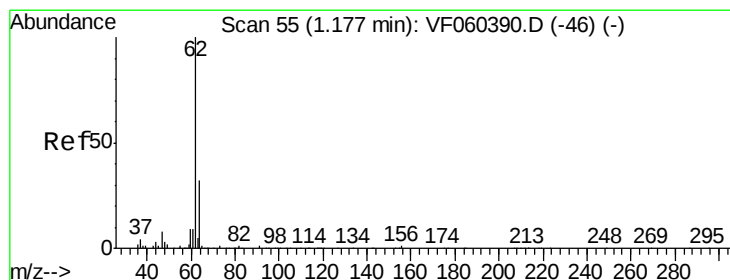
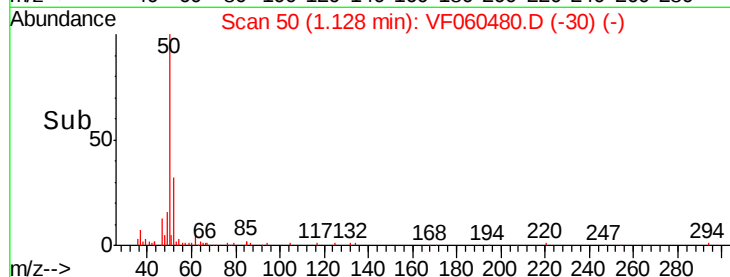
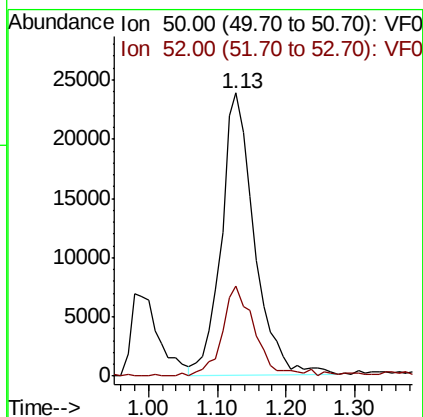
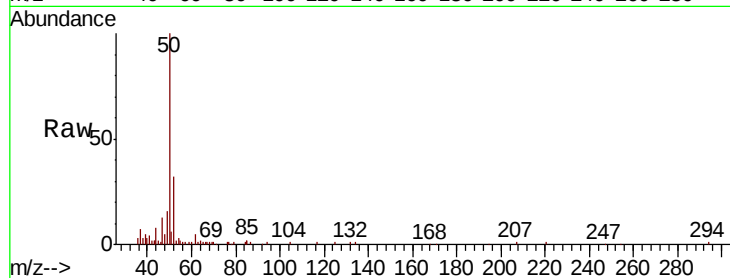
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 79189

Ion Ratio Lower Upper

50 100

52 31.9 26.9 40.3



#4

Vinyl Chloride

Concen: 22.671 ug/l

RT: 1.17 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060480.D

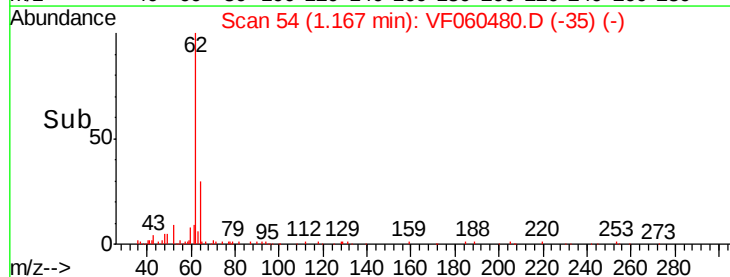
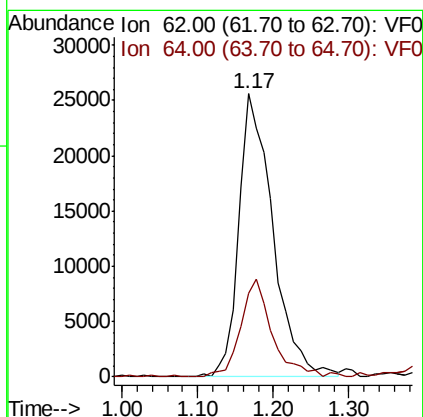
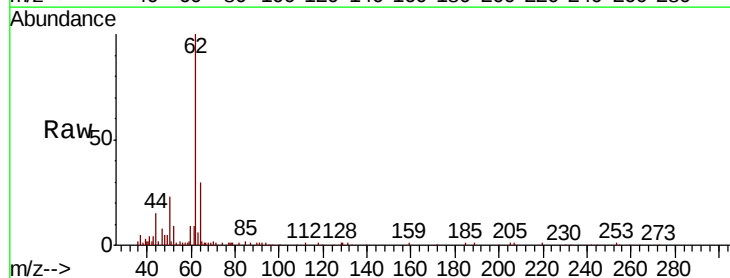
Acq: 8 Oct 2018 12:29

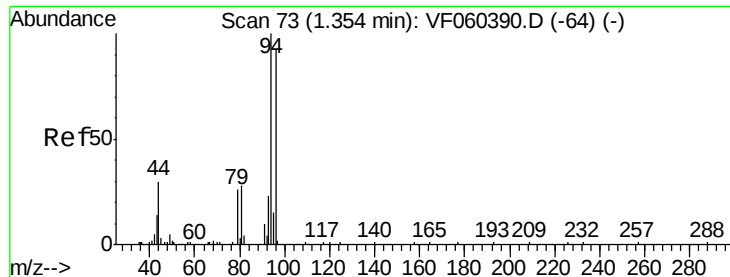
Tgt Ion: 62 Resp: 79827

Ion Ratio Lower Upper

62 100

64 29.7 25.8 38.6





#5

Bromomethane

Concen: 22.368 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

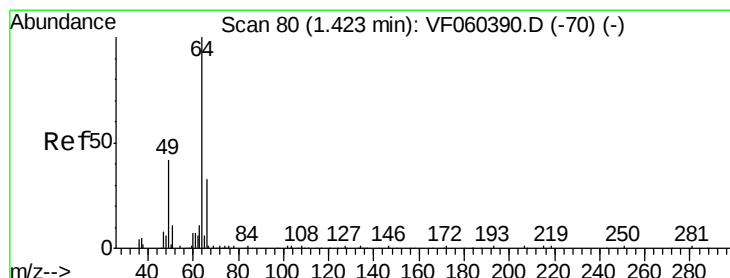
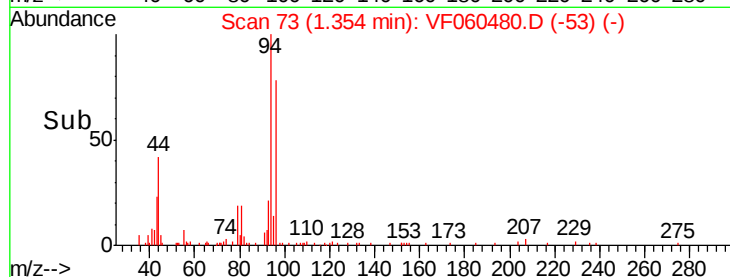
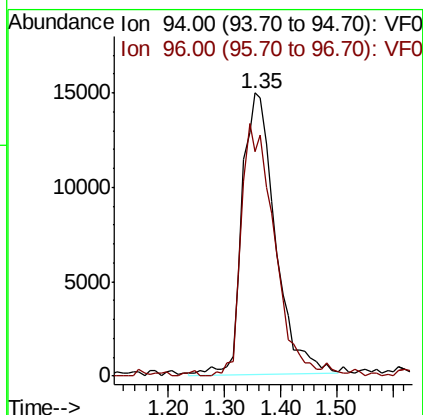
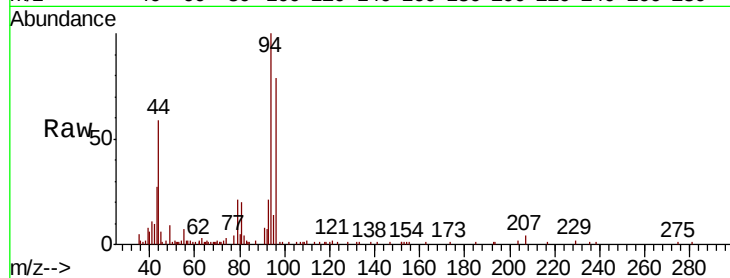
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 61007

Ion Ratio Lower Upper

94 100

96 79.5 74.3 111.5



#6

Chloroethane

Concen: 22.691 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060480.D

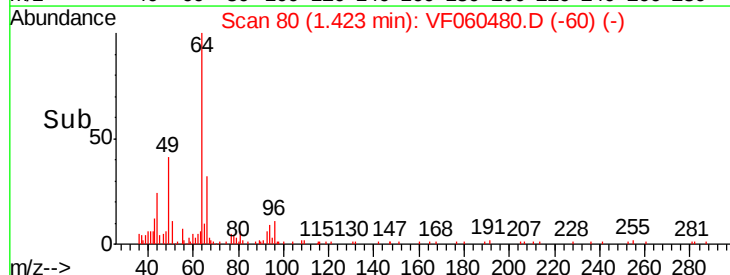
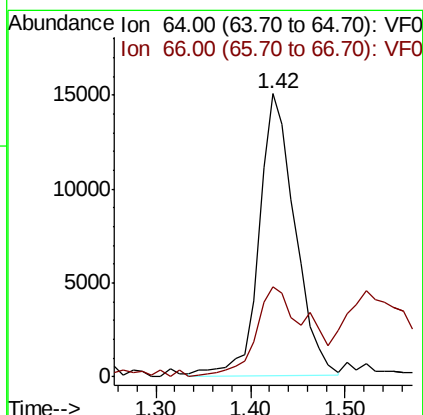
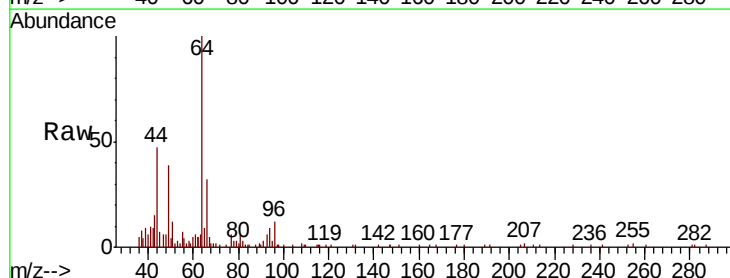
Acq: 8 Oct 2018 12:29

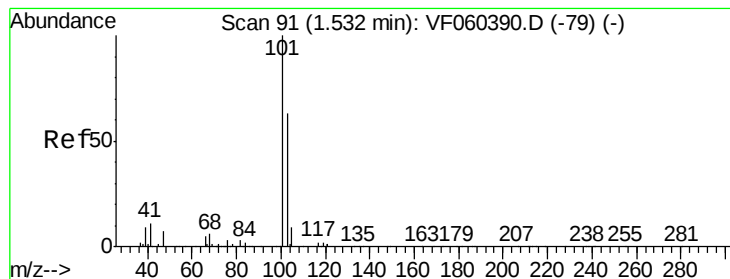
Tgt Ion: 64 Resp: 39871

Ion Ratio Lower Upper

64 100

66 31.8 26.3 39.5





#7

Trichlorofluoromethane

Concen: 21.566 ug/l

RT: 1.53 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

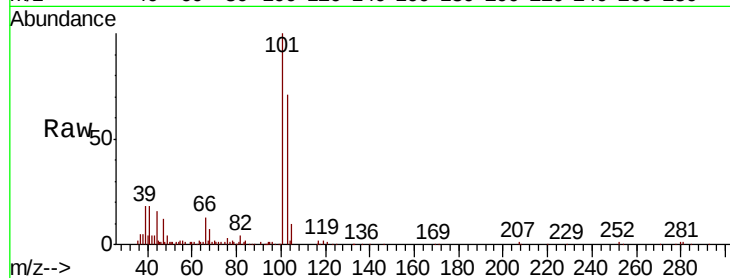
ClientSampleId :

Tot Ion:101 Resp: 176179

Ion Ratio Lower Upper

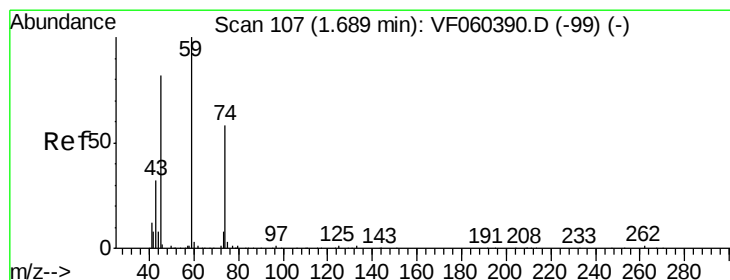
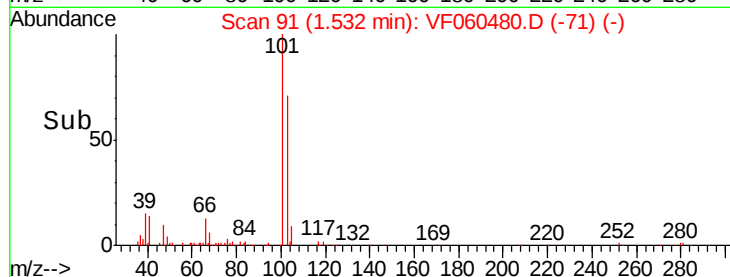
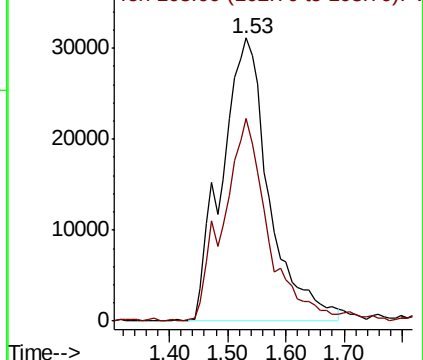
101 100

103 71.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.319 ug/l

RT: 1.69 min Scan# 107

Delta R.T. 0.00 min

Lab File: VF060480.D

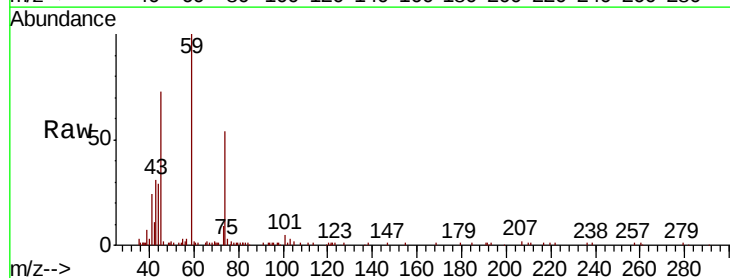
Acq: 8 Oct 2018 12:29

Tgt Ion: 74 Resp: 23868

Ion Ratio Lower Upper

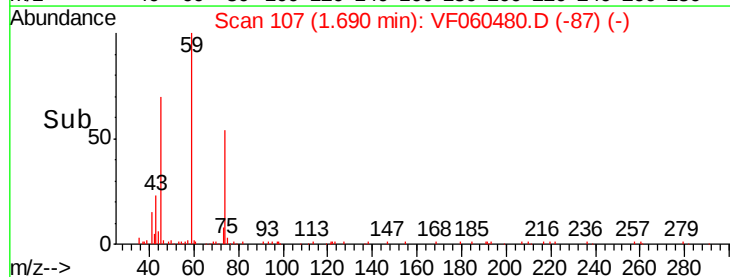
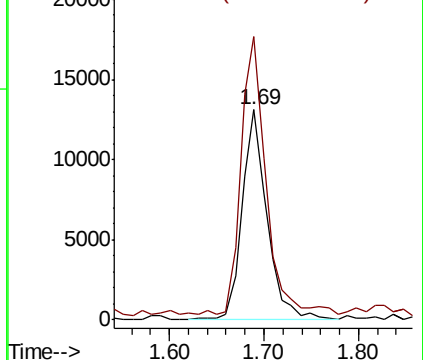
74 100

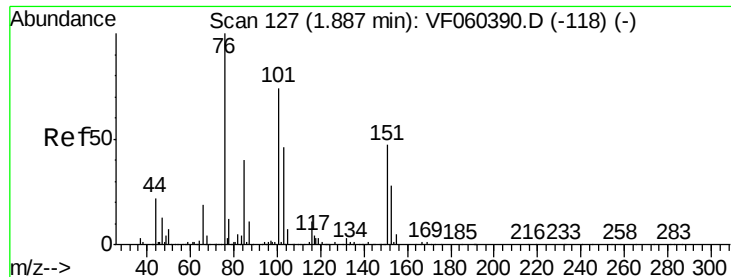
45 134.6 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.133 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

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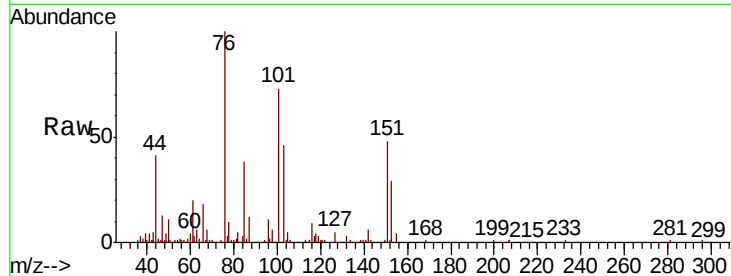
Tot Ion:101 Resp: 86611

Ion Ratio Lower Upper

101 100

85 52.4 42.5 63.7

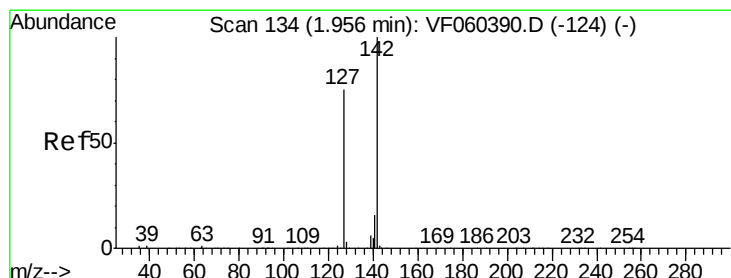
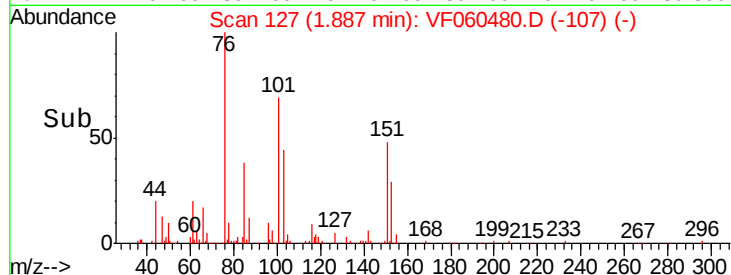
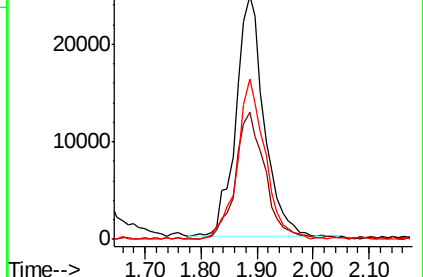
151 66.0 49.8 74.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.454 ug/l

RT: 1.96 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

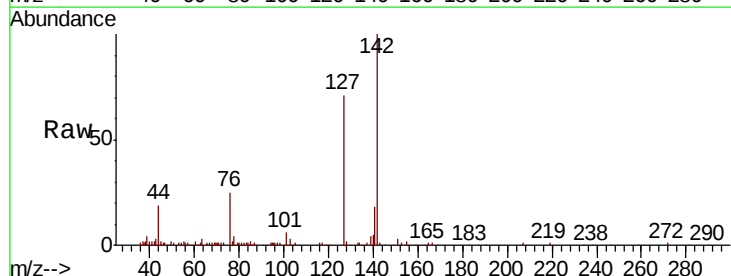
Tgt Ion:142 Resp: 133998

Ion Ratio Lower Upper

142 100

127 71.3 60.2 90.2

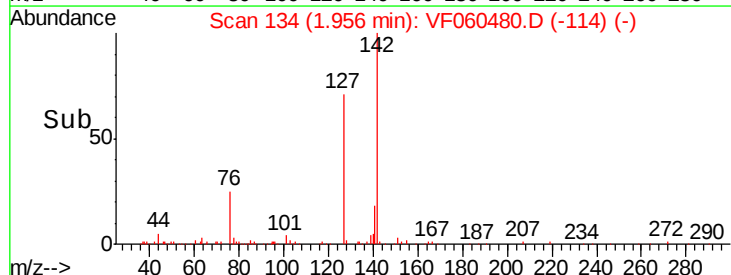
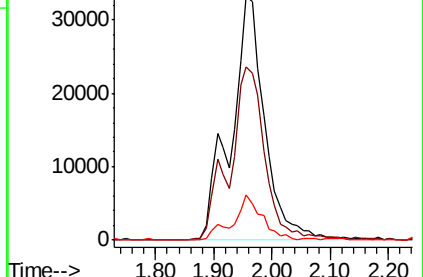
141 18.4 13.1 19.7

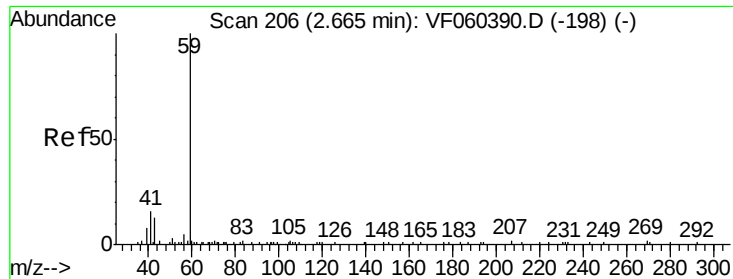


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

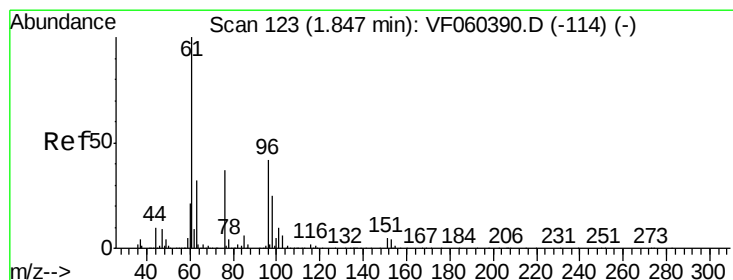
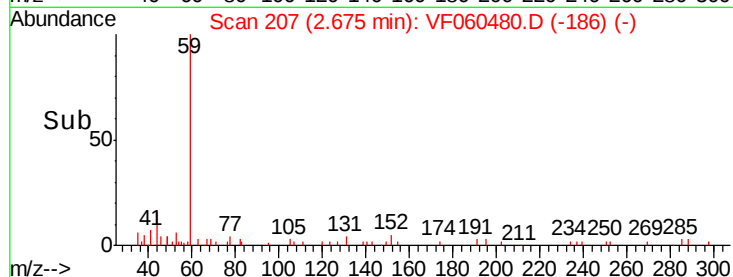
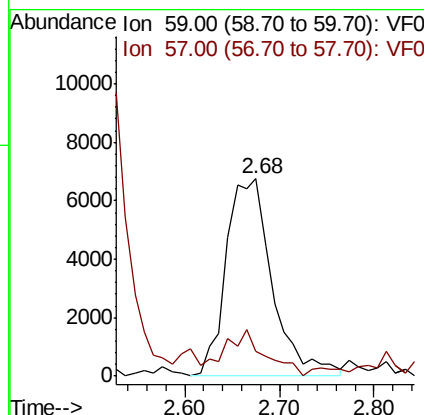
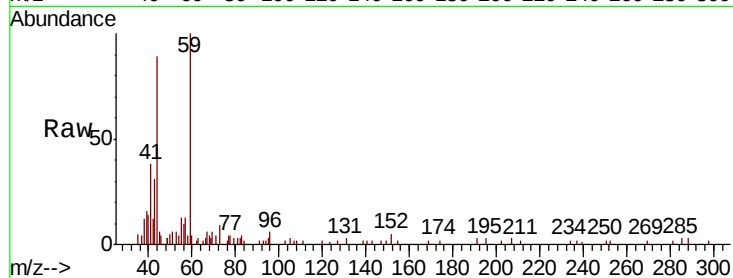




#11
Tert butyl alcohol
Concen: 96.852 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

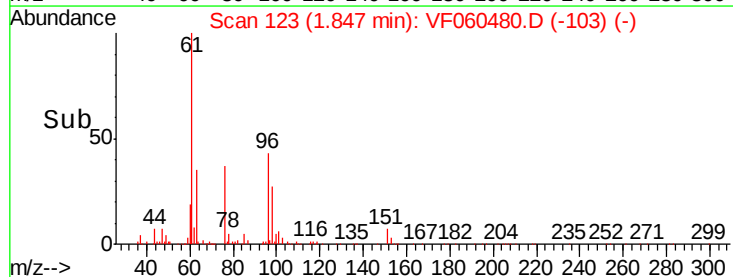
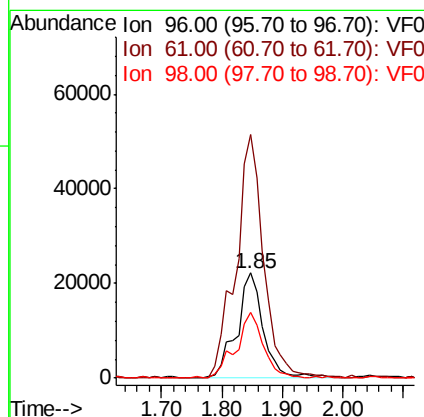
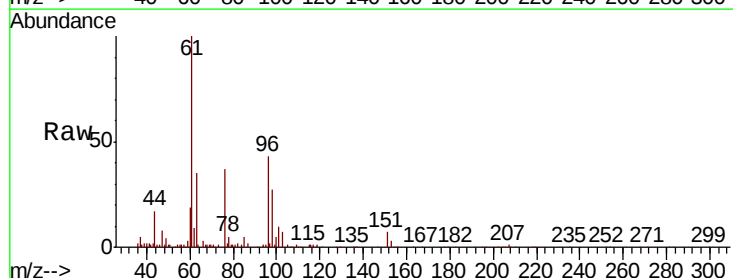
Instrument :
MSVOA_F
ClientSampled :

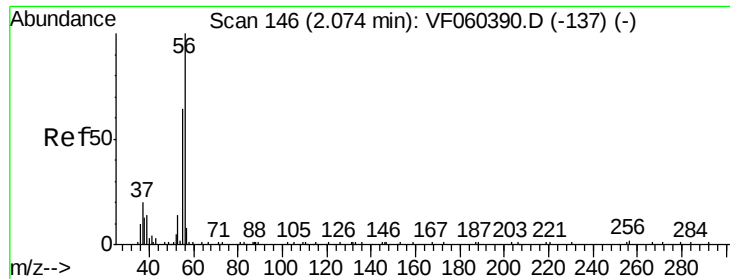
Tot Ion: 59 Resp: 22850
Ion Ratio Lower Upper
59 100
57 12.9 6.5 9.7#



#12
1,1-Dichloroethene
Concen: 22.072 ug/l
RT: 1.85 min Scan# 123
Delta R.T. 0.00 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion: 96 Resp: 66735
Ion Ratio Lower Upper
96 100
61 231.9 189.4 284.0
98 63.1 47.8 71.6

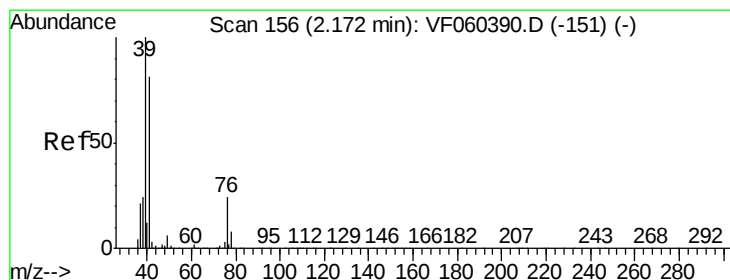
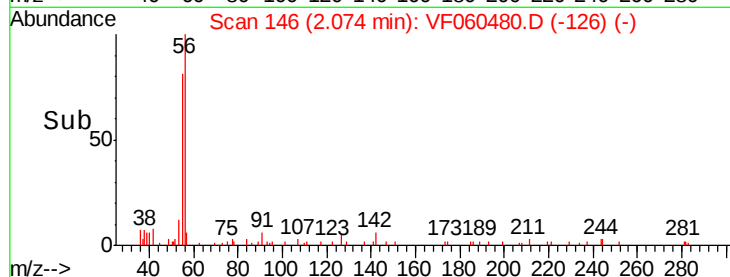
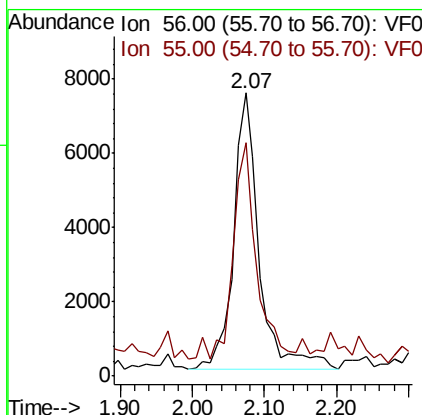
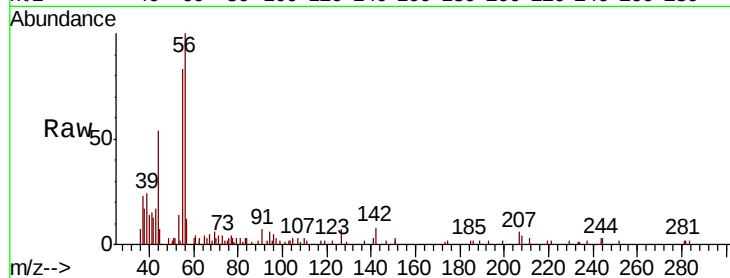




#13
Acrolein
Concen: 96.898 ug/l
RT: 2.07 min Scan# 146
Delta R.T. 0.00 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

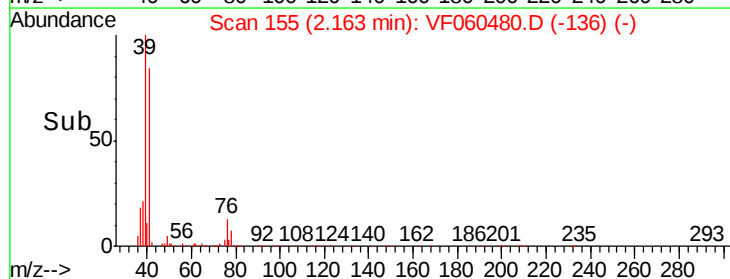
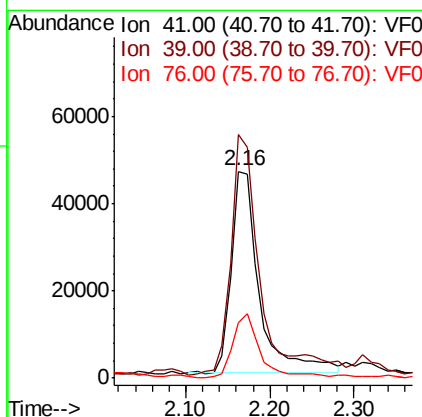
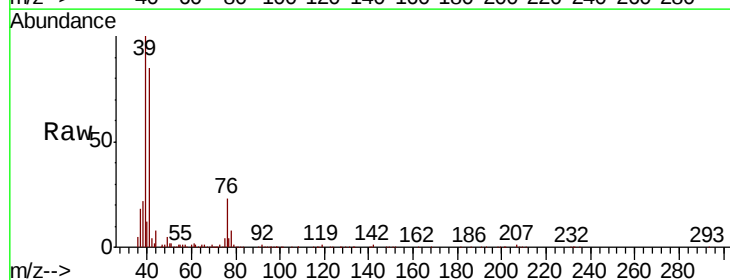
Instrument :
MSVOA_F
ClientSampled :

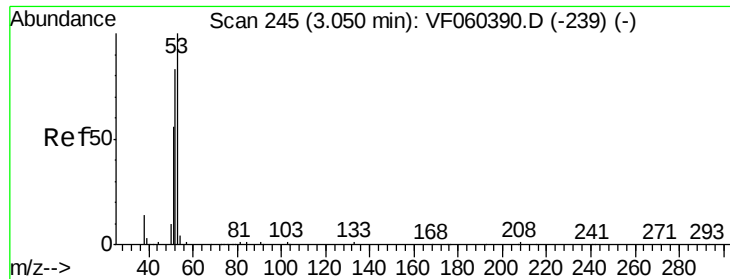
Tot Ion: 56 Resp: 18385
Ion Ratio Lower Upper
56 100
55 82.7 53.9 80.9#



#14
Allyl chloride
Concen: 22.296 ug/l
RT: 2.16 min Scan# 155
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion: 41 Resp: 108020
Ion Ratio Lower Upper
41 100
39 117.7 98.3 147.5
76 26.8 23.9 35.9





#15

Acrylonitrile

Concen: 112.969 ug/l

RT: 3.04 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

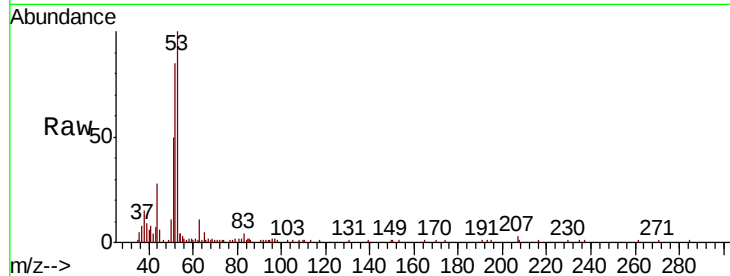
Tot Ion: 53 Resp: 45669

Ion Ratio Lower Upper

53 100

52 85.3 66.0 99.0

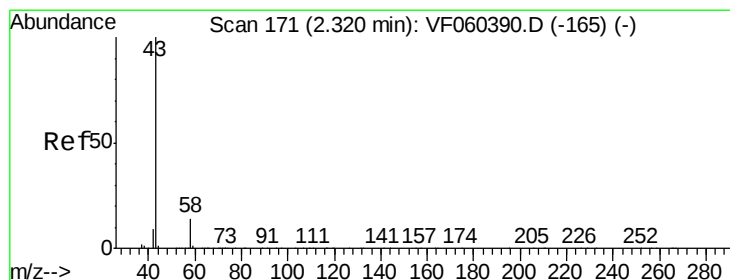
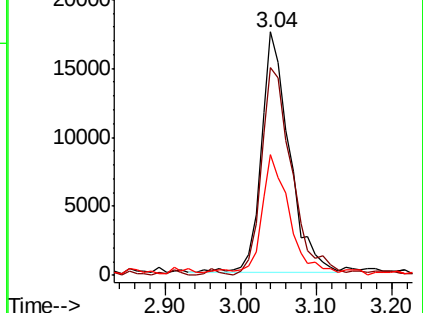
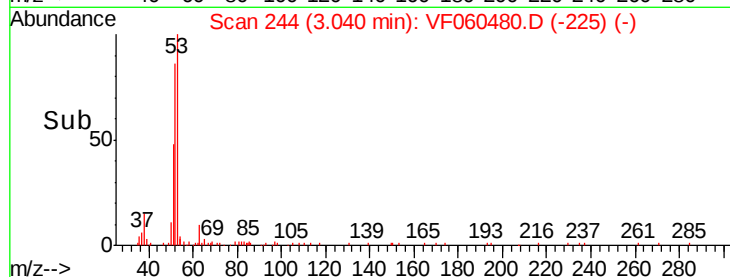
51 49.8 45.6 68.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 132.326 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060480.D

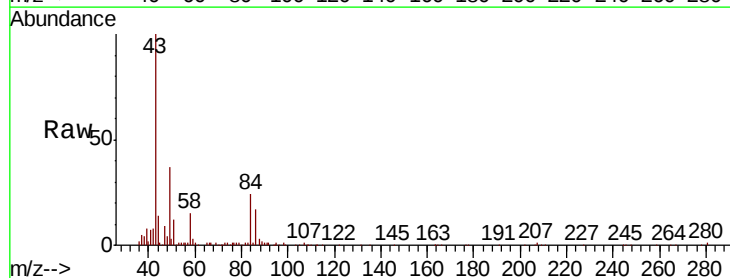
Acq: 8 Oct 2018 12:29

Tgt Ion: 43 Resp: 115275

Ion Ratio Lower Upper

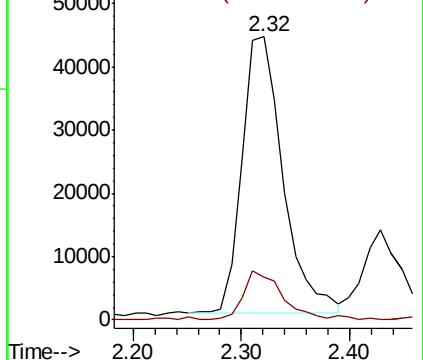
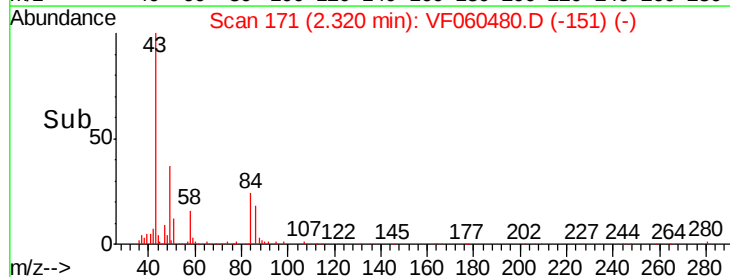
43 100

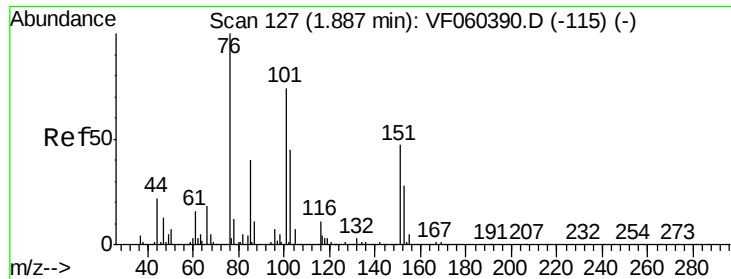
58 15.2 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 22.513 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

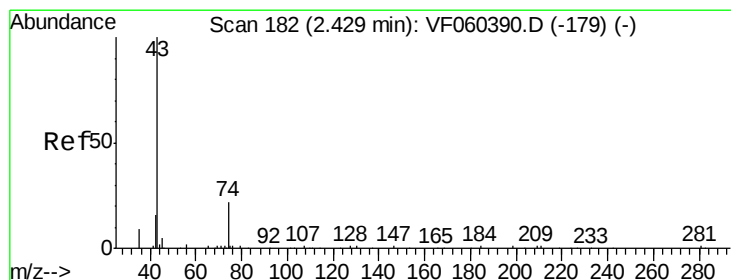
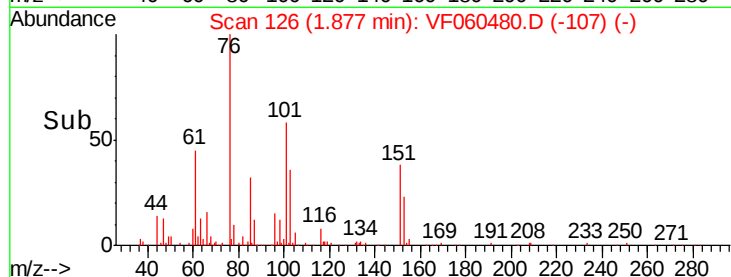
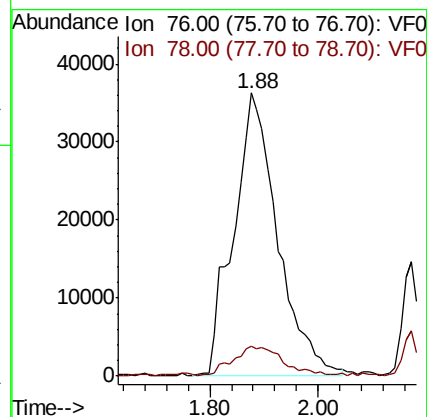
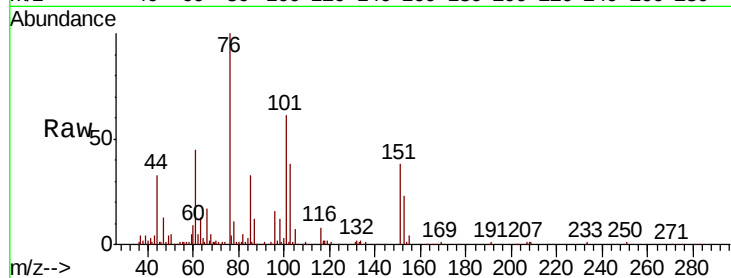
ClientSampled :

Tot Ion: 76 Resp: 206118

Ion Ratio Lower Upper

76 100

78 10.6 10.1 15.1



#18

Methyl Acetate

Concen: 19.117 ug/l

RT: 2.43 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF060480.D

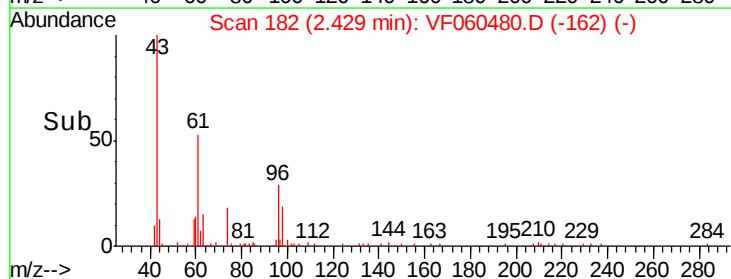
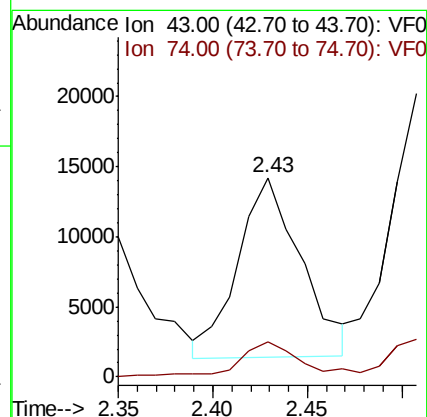
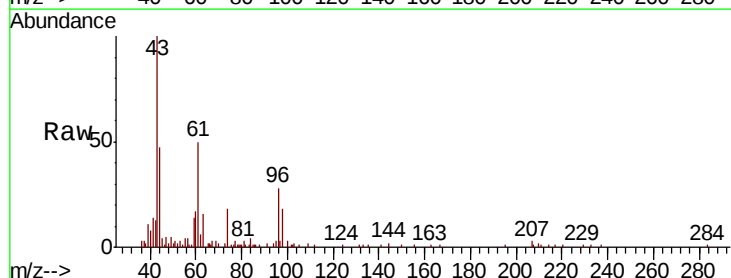
Acq: 8 Oct 2018 12:29

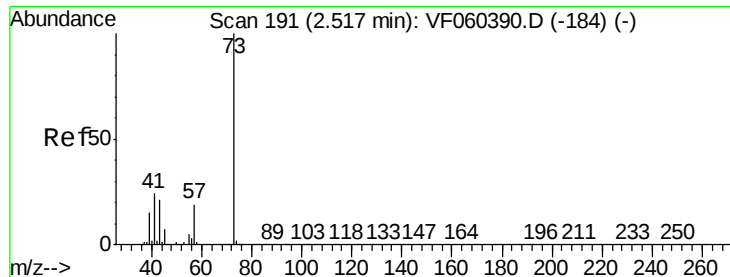
Tgt Ion: 43 Resp: 29633

Ion Ratio Lower Upper

43 100

74 17.8 15.8 23.8



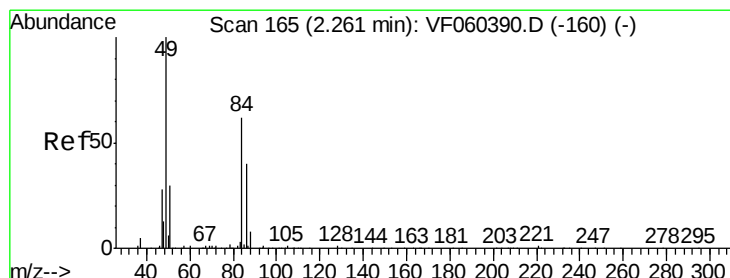
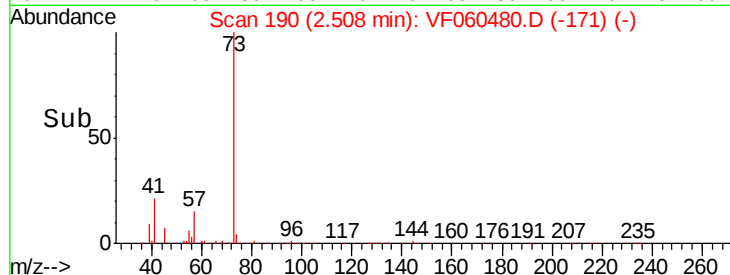
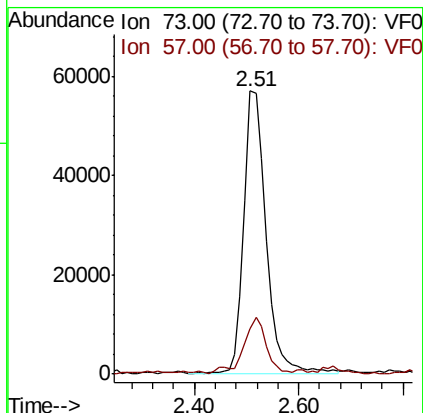
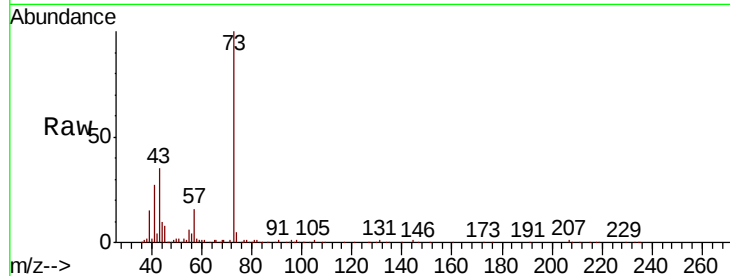


#19

Methyl tert-butyl Ether
 Concen: 22.089 ug/l
 RT: 2.51 min Scan# 190
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Instrument :
 MSVOA_F
 ClientSampleId :

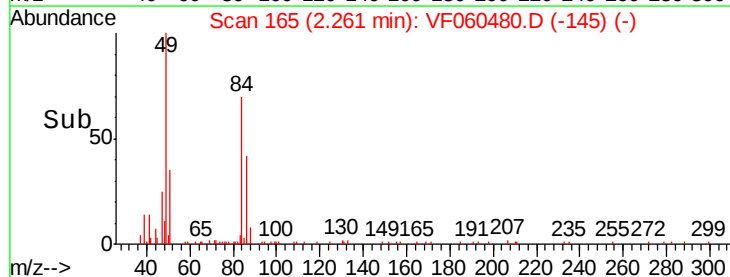
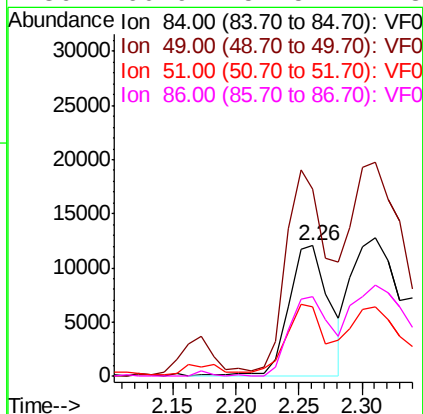
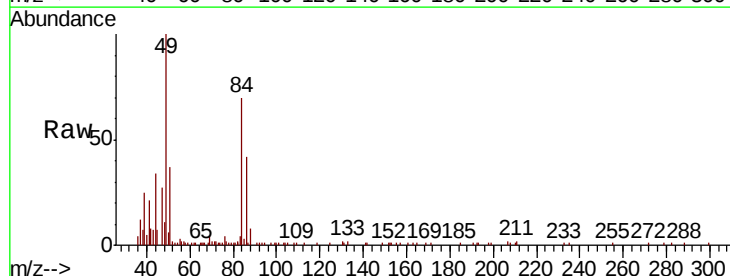
Tot Ion: 73 Resp: 162671
 Ion Ratio Lower Upper
 73 100
 57 16.0 15.9 23.9

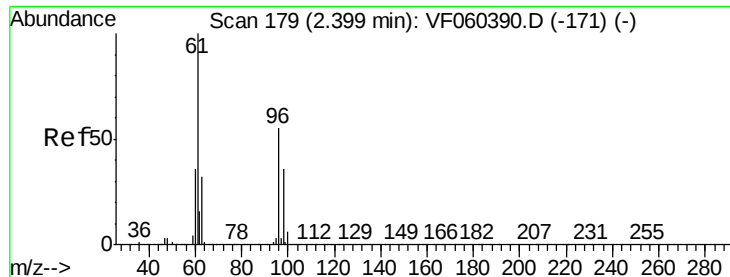


#20

Methylene Chloride
 Concen: 4.441 ug/l
 RT: 2.26 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion: 84 Resp: 27088
 Ion Ratio Lower Upper
 84 100
 49 143.4 130.2 195.2
 51 53.3 41.0 61.6
 86 60.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 22.596 ug/l

RT: 2.39 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampled :

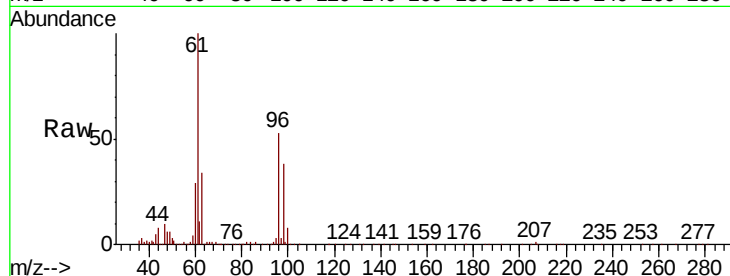
Tot Ion: 96 Resp: 68233

Ion Ratio Lower Upper

96 100

61 187.1 146.2 219.2

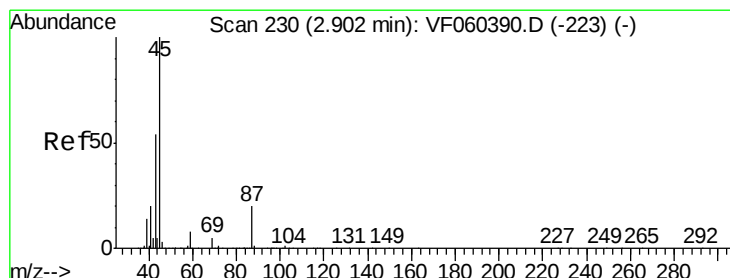
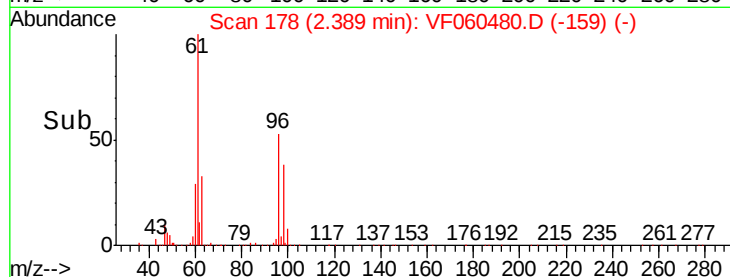
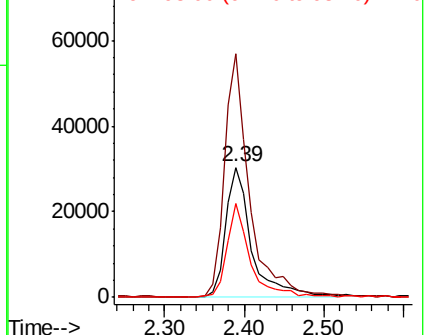
98 73.6 52.6 78.8



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: 24.101 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Tgt Ion: 45 Resp: 211944

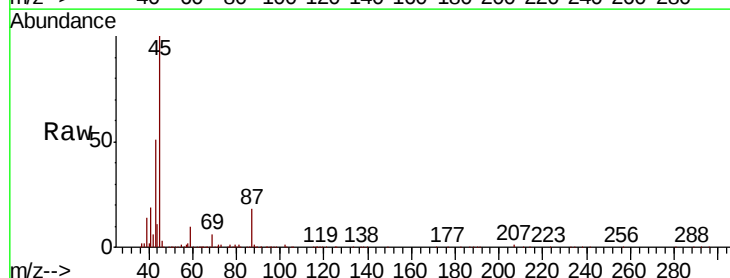
Ion Ratio Lower Upper

45 100

43 51.0 43.8 65.8

87 17.9 16.3 24.5

59 10.1 6.6 10.0#

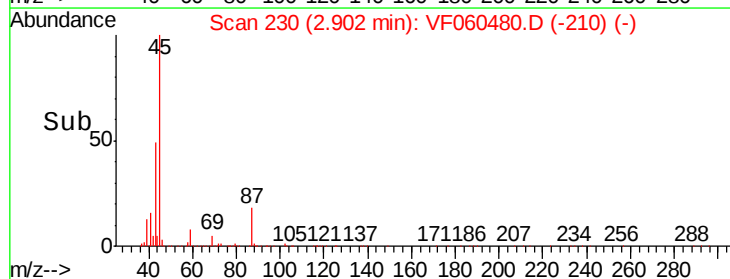
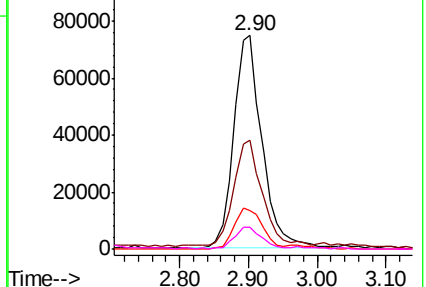


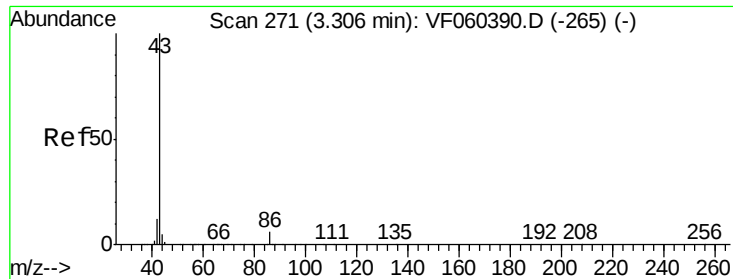
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 107.781 ug/l

RT: 3.30 min Scan# 270

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

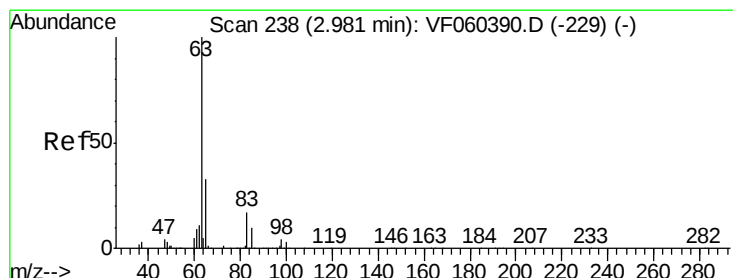
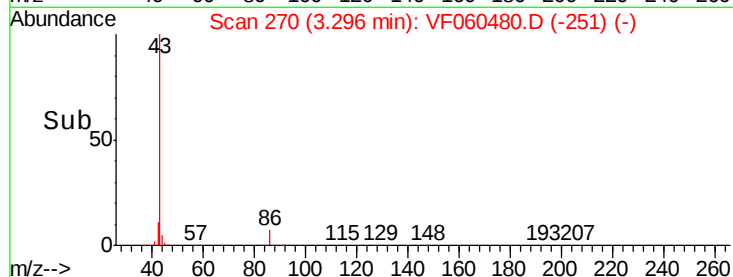
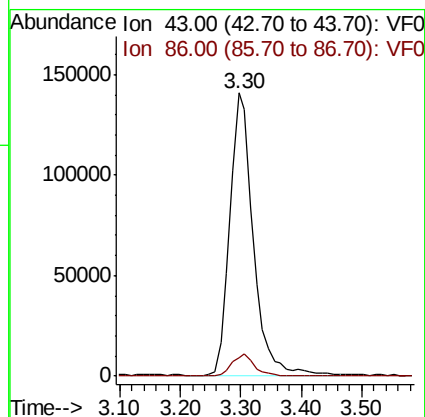
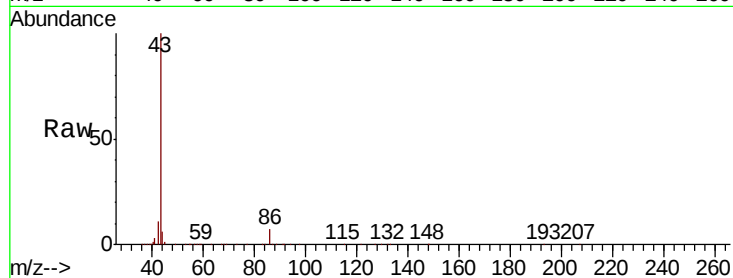
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 376503

Ion Ratio Lower Upper

43 100

86 6.6 5.1 7.7



#24

1,1-Dichloroethane

Concen: 24.163 ug/l

RT: 2.97 min Scan# 237

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

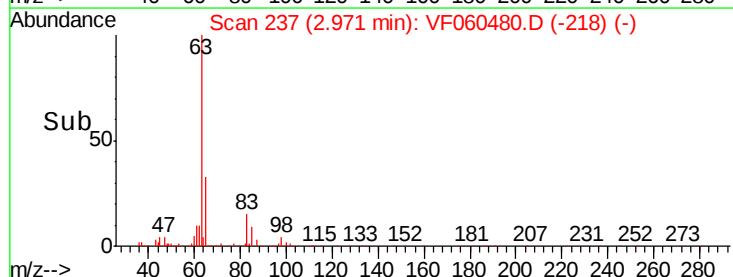
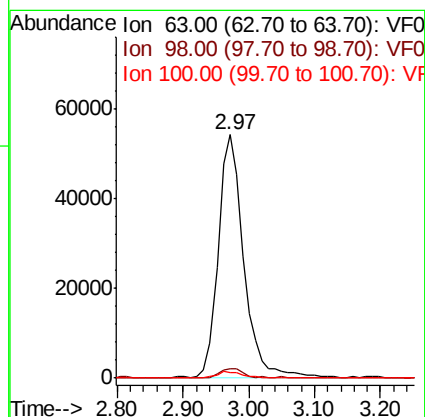
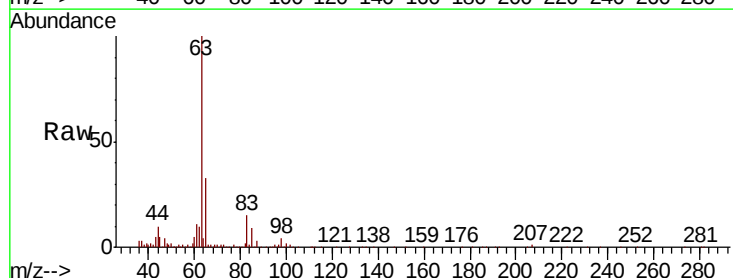
Tgt Ion: 63 Resp: 143692

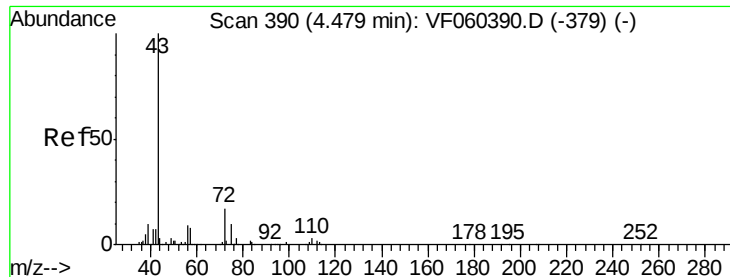
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.3 1.4 4.2





#25

2-Butanone

Concen: 111.020 ug/l

RT: 4.47 min Scan# 389

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

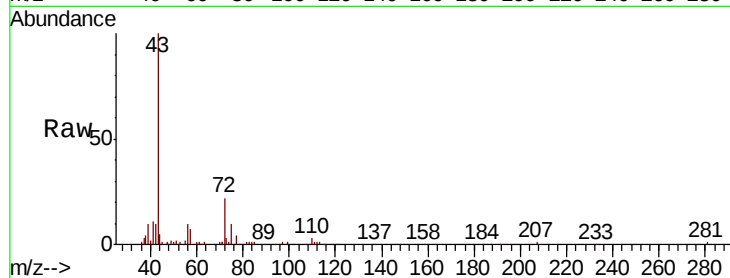
ClientSampleId :

Tot Ion: 43 Resp: 112125

Ion Ratio Lower Upper

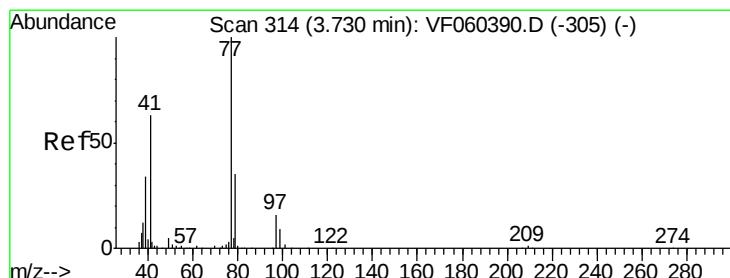
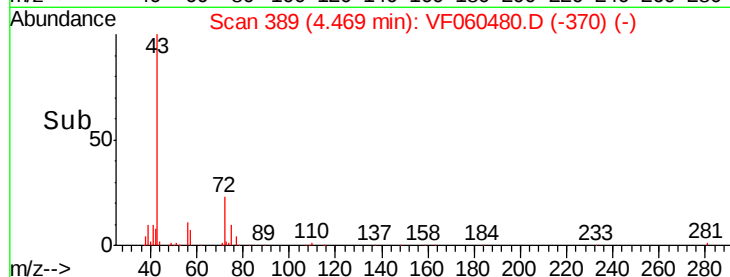
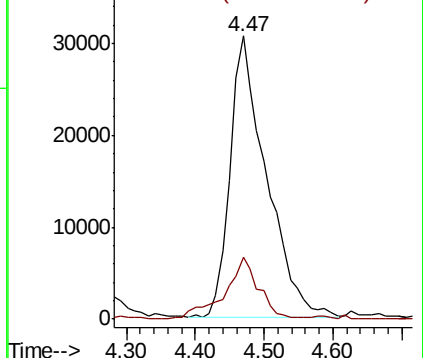
43 100

72 22.1 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.747 ug/l

RT: 3.73 min Scan# 314

Delta R.T. 0.00 min

Lab File: VF060480.D

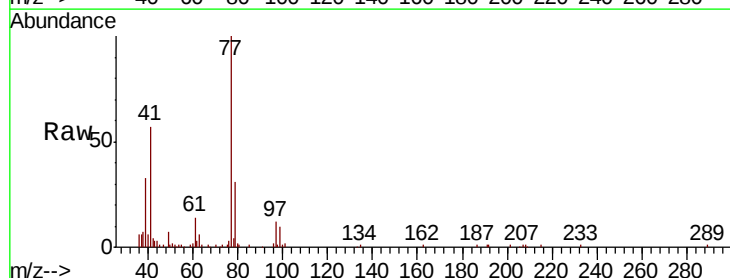
Acq: 8 Oct 2018 12:29

Tgt Ion: 77 Resp: 76616

Ion Ratio Lower Upper

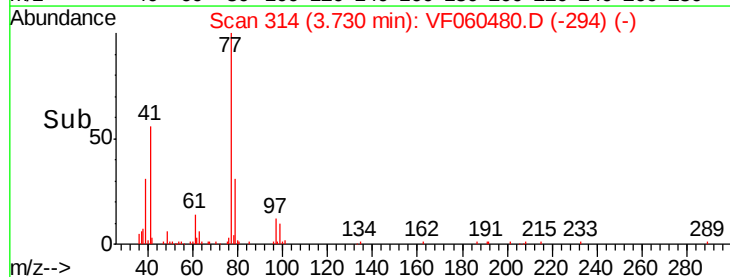
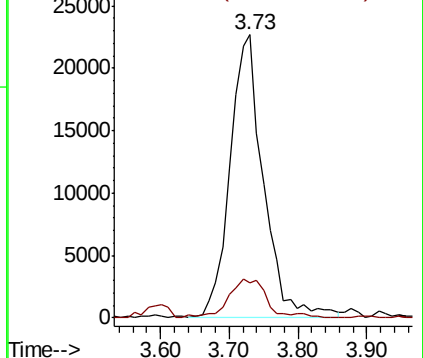
77 100

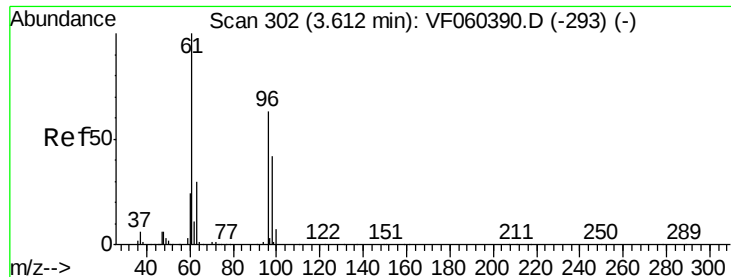
97 12.3 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



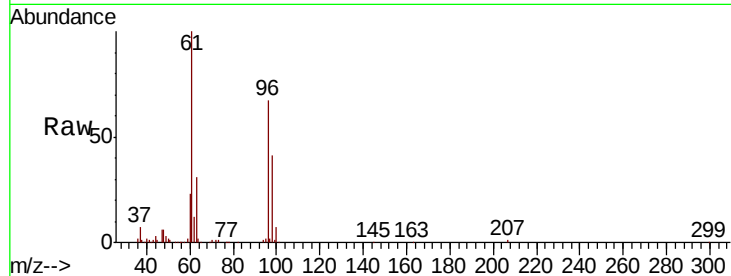


#27

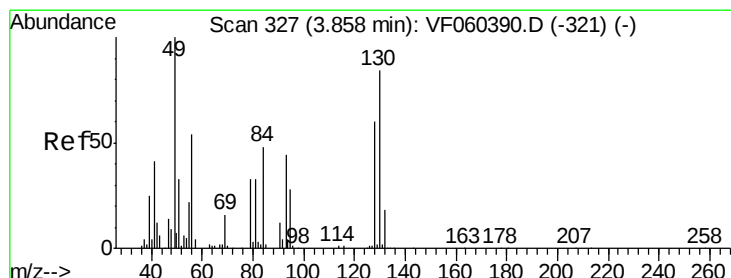
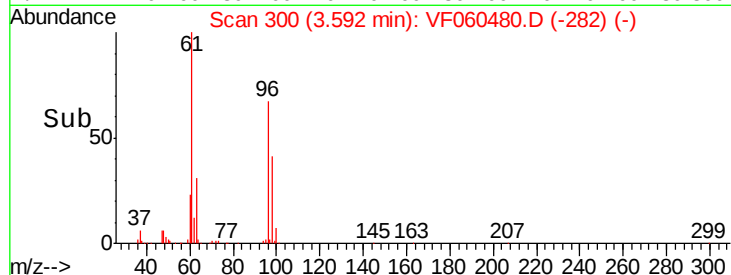
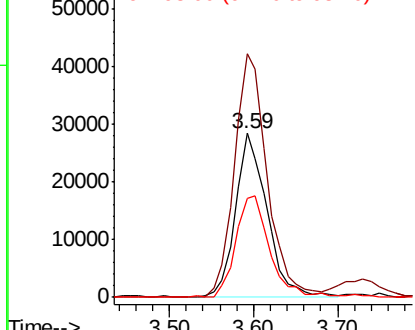
cis-1,2-Dichloroethene
Concen: 22.147 ug/l
RT: 3.59 min Scan# 300
Delta R.T. -0.02 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 96 Resp: 74775
Ion Ratio Lower Upper
96 100
61 148.6 0.0 318.2
98 60.7 0.0 134.0



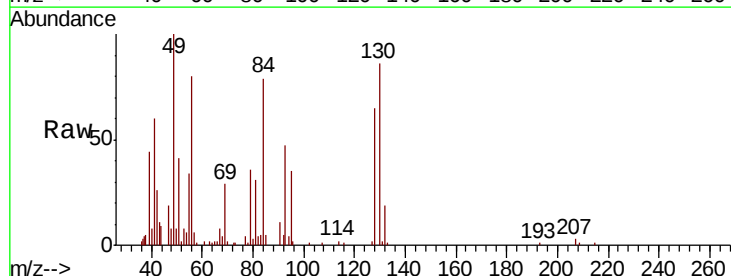
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



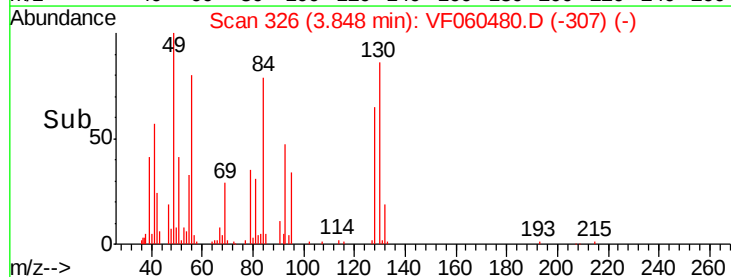
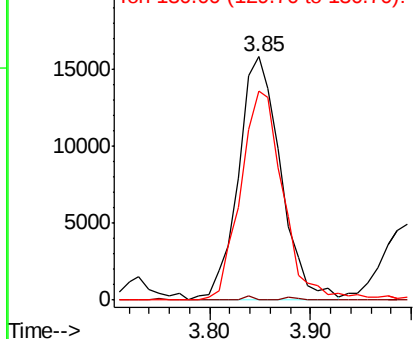
#28

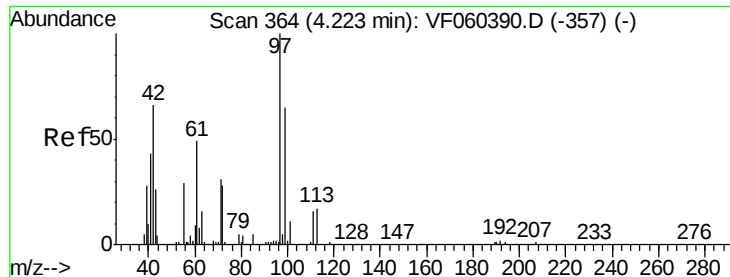
Bromochloromethane
Concen: 21.152 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion: 49 Resp: 46359
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 86.1 67.3 100.9



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: 106.468 ug/l

RT: 4.21 min Scan# 363

Delta R.T. -0.01 min

Lab File: VF060480.D

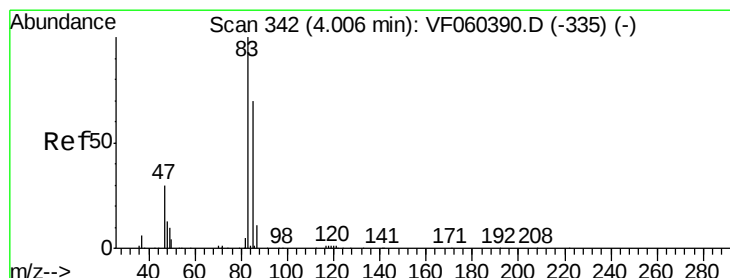
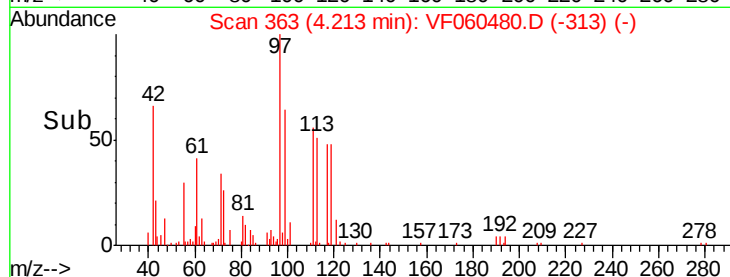
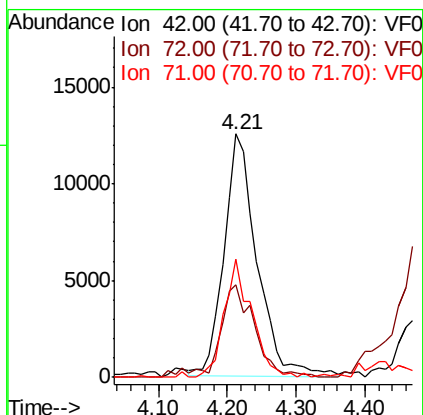
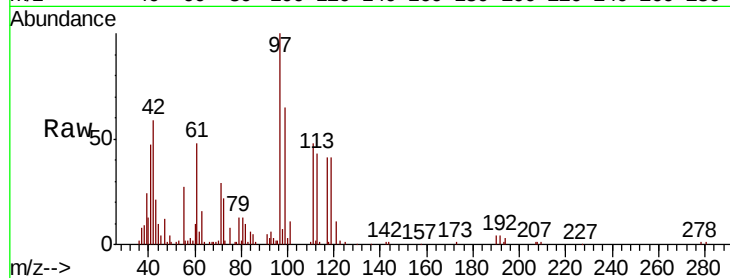
Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	42	Resp:	41507
Ion	Ratio	Lower	Upper
42	100		
72	37.7	33.6	50.4
71	40.7	32.7	49.1



#30

Chloroform

Concen: 22.214 ug/l

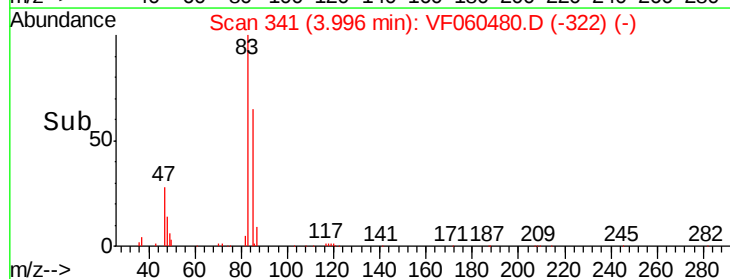
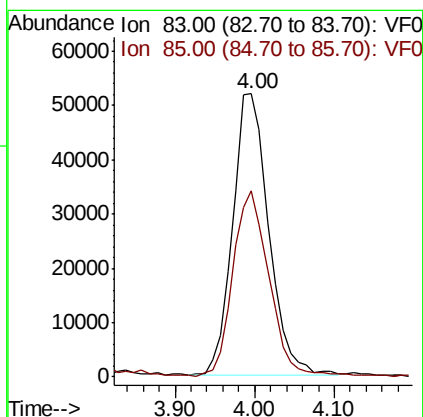
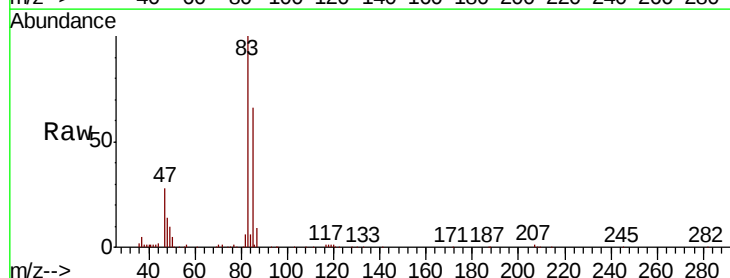
RT: 4.00 min Scan# 341

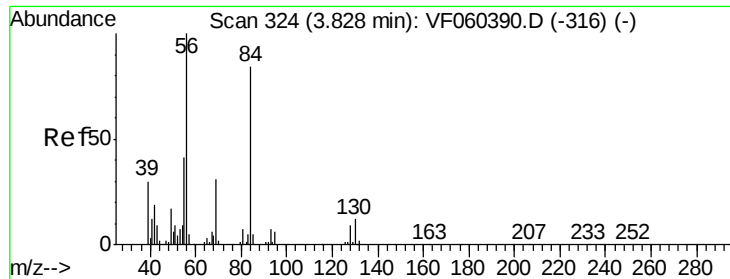
Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Tgt Ion:	83	Resp:	163007
Ion	Ratio	Lower	Upper
83	100		
85	65.7	55.9	83.9





#31

Cyclohexane

Concen: 23.376 ug/l

RT: 3.82 min Scan# 323

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

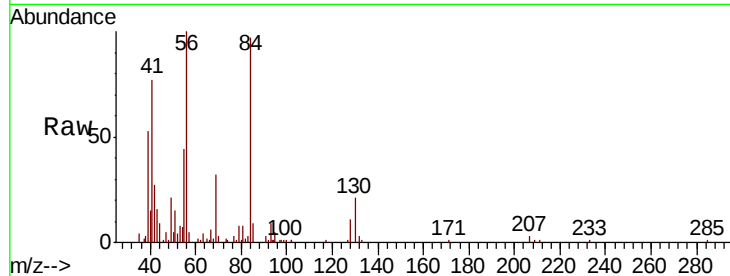
Tot Ion: 56 Resp: 99819

Ion Ratio Lower Upper

56 100

69 32.0 25.5 38.3

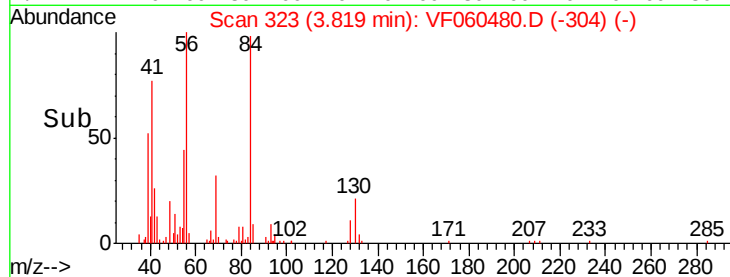
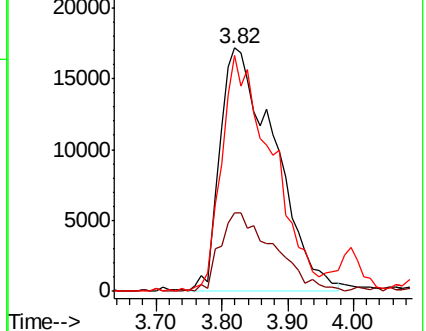
84 96.8 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 22.341 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

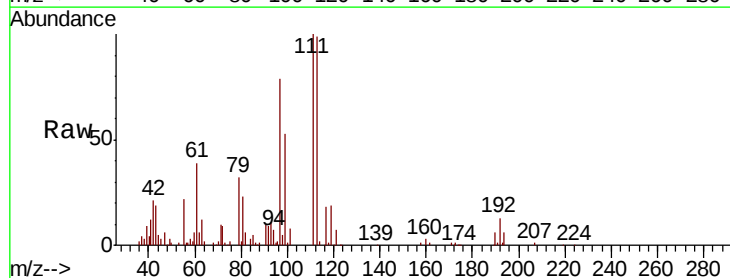
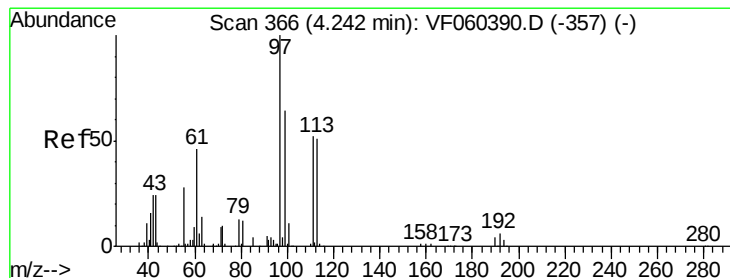
Tgt Ion: 97 Resp: 136419

Ion Ratio Lower Upper

97 100

99 66.7 51.0 76.4

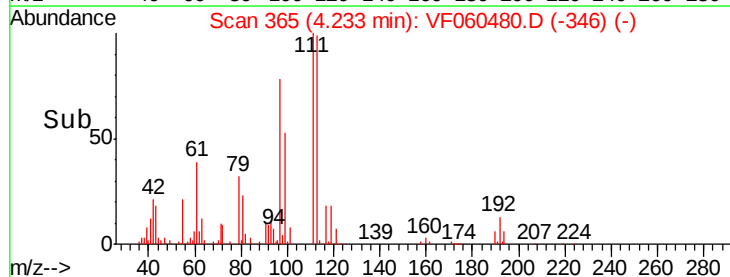
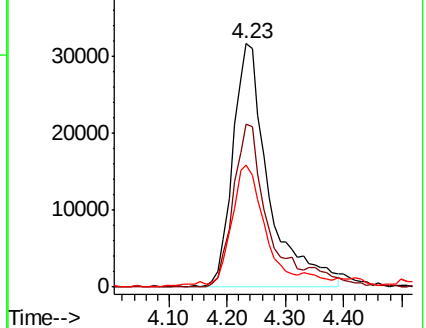
61 49.9 37.5 56.3

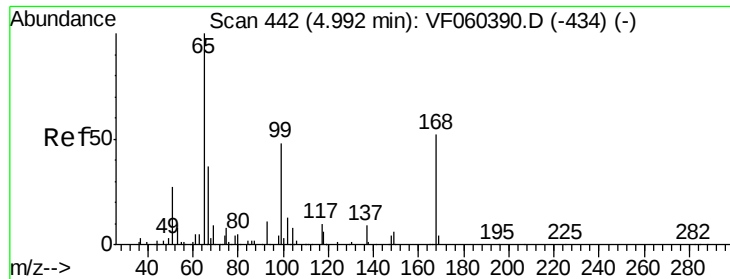


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

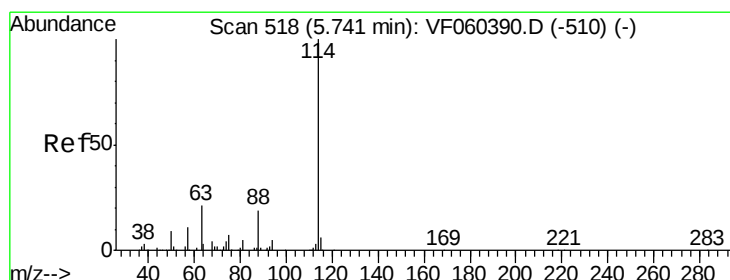
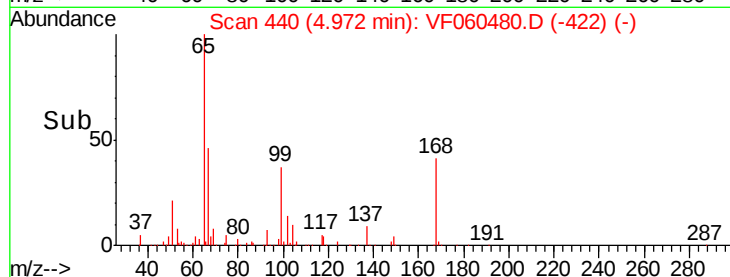
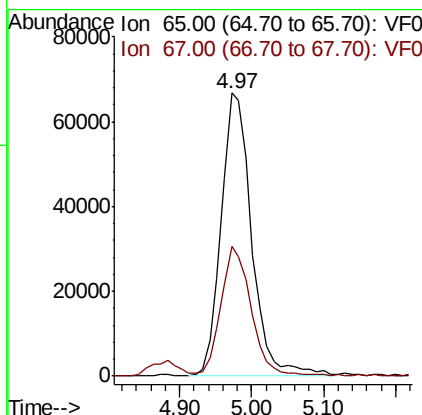
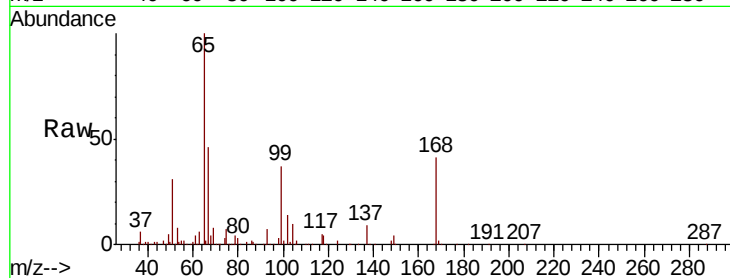




#33
 1,2-Dichloroethane-d4
 Concen: 49.723 ug/l
 RT: 4.97 min Scan# 440
 Delta R.T. -0.02 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

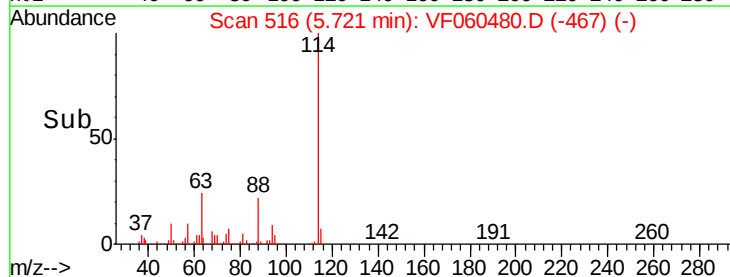
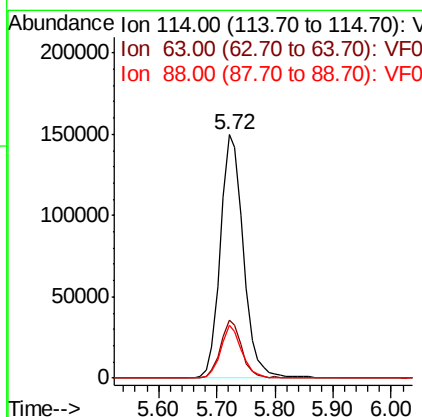
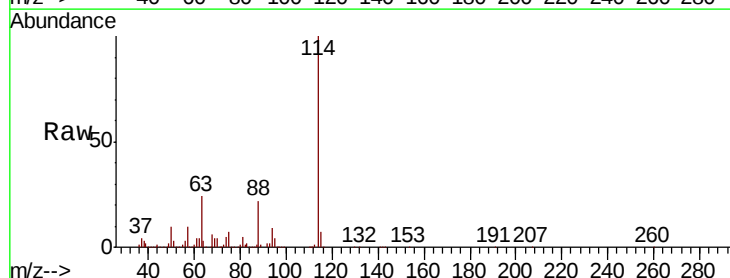
Instrument :
 MSVOA_F
 ClientSampled :

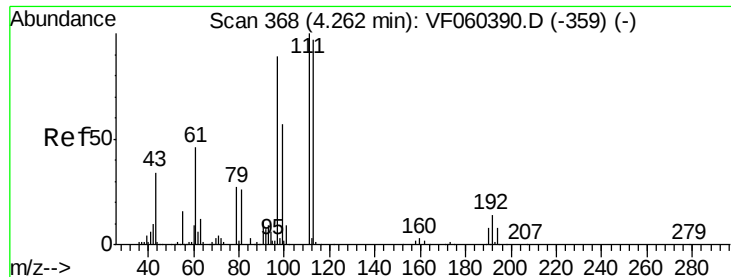
Tot Ion: 65 Resp: 193942
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.72 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion: 114 Resp: 411429
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 42.2
 88 21.7 0.0 38.8





#35

Dibromofluoromethane

Concen: 51.116 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :
MSVOA_F
ClientSampleId :

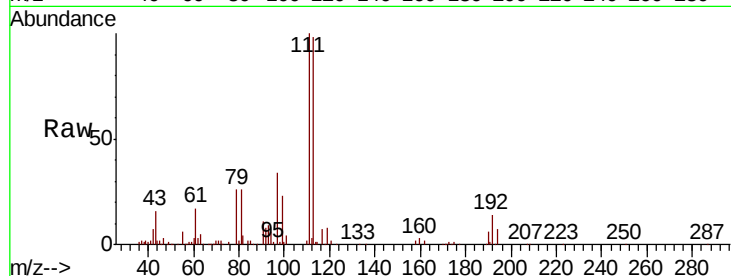
Tot Ion:113 Resp: 197571

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	14.3	11.8	17.6

113 100

111 102.0 82.3 123.5

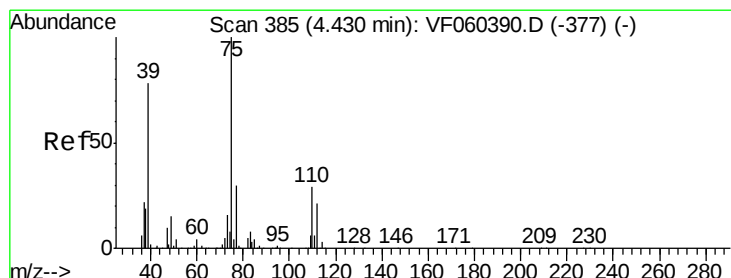
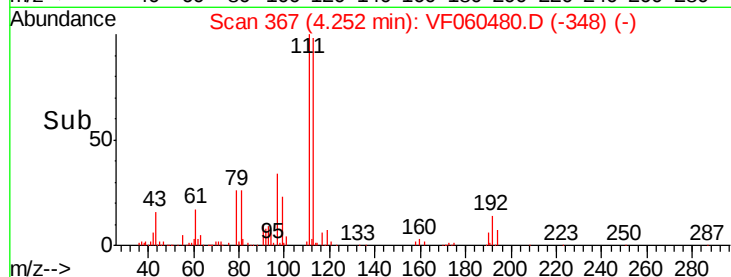
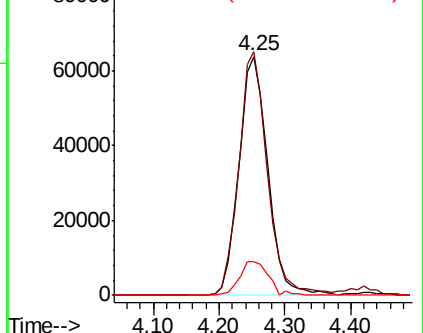
192 14.3 11.8 17.6



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: 22.468 ug/l

RT: 4.42 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

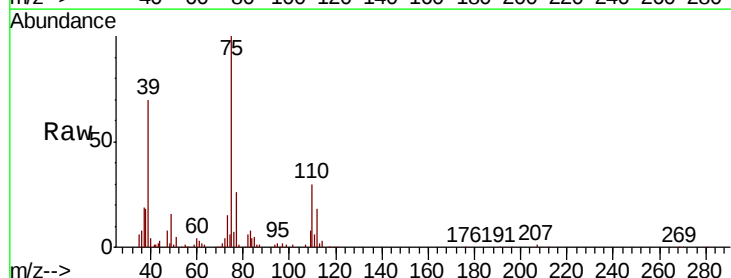
Tgt Ion: 75 Resp: 113972

Ion	Ratio	Lower	Upper
75	100		
110	29.8	14.5	43.6
77	25.6	24.3	36.5

75 100

110 29.8 14.5 43.6

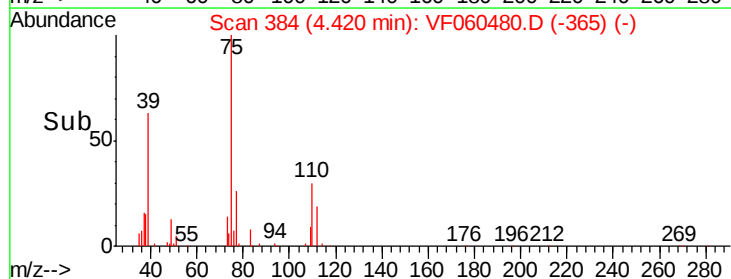
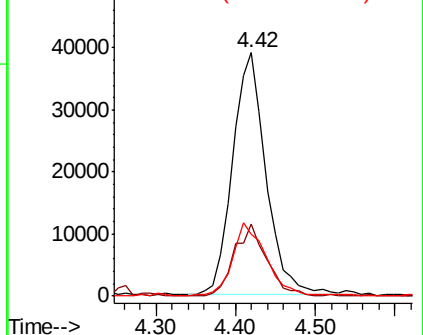
77 25.6 24.3 36.5

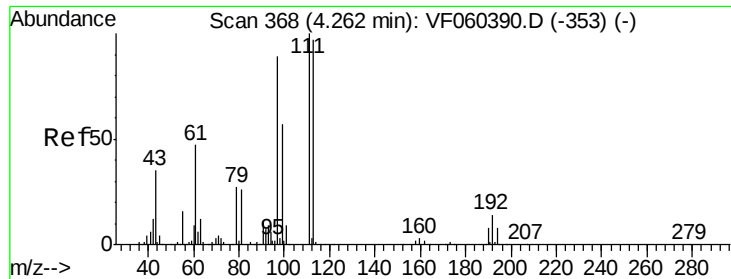


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

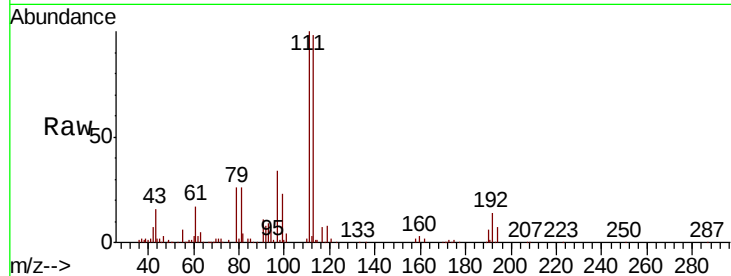




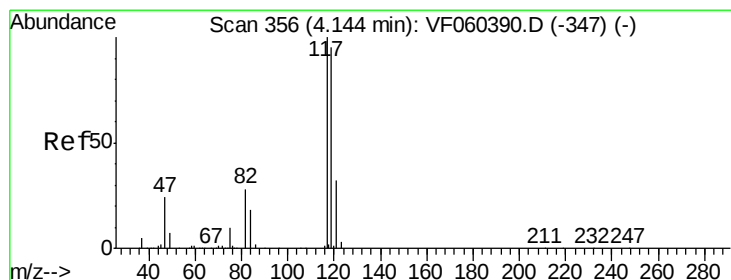
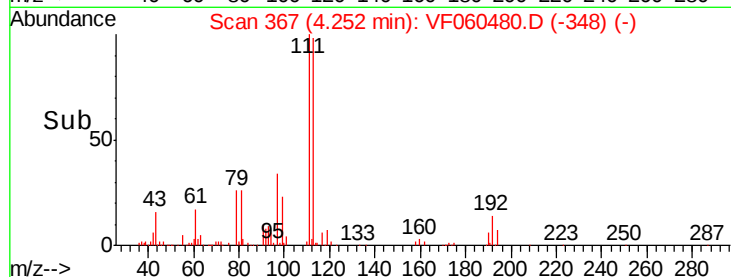
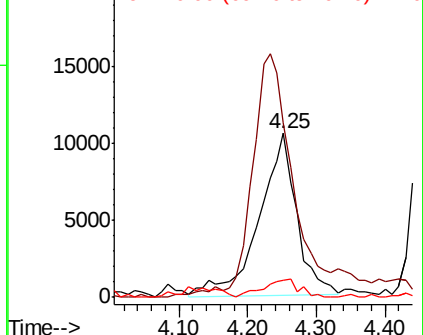
#37
Ethyl Acetate
Concen: 20.567 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 39951
Ion Ratio Lower Upper
43 100
61 106.8 105.1 157.7
70 10.7 8.0 12.0

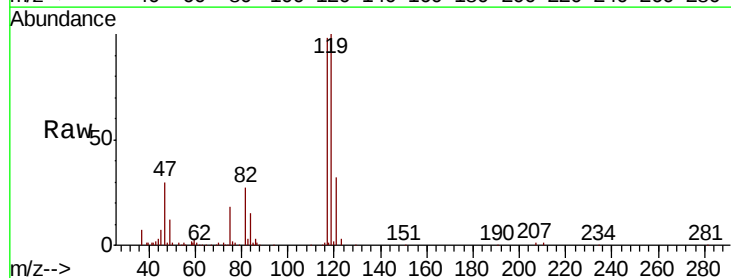


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

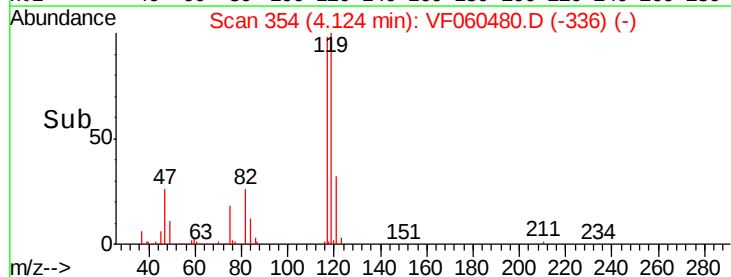
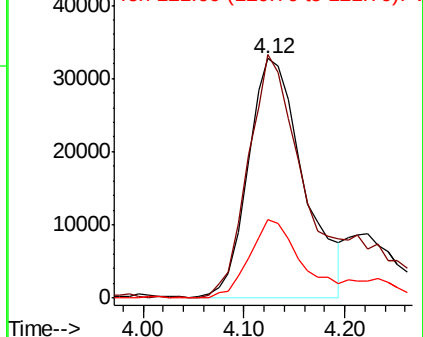


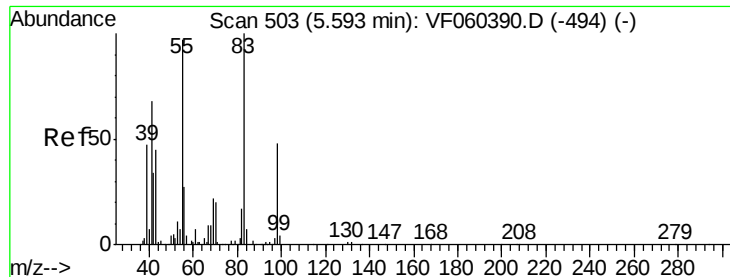
#38
Carbon Tetrachloride
Concen: 20.220 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion: 117 Resp: 124850
Ion Ratio Lower Upper
117 100
119 101.6 75.5 113.3
121 32.8 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

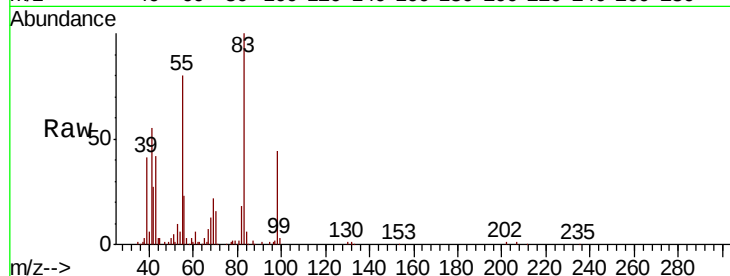




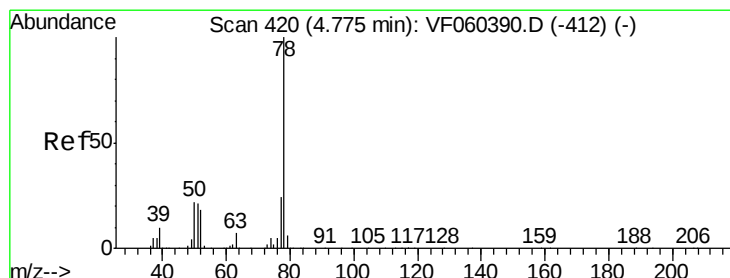
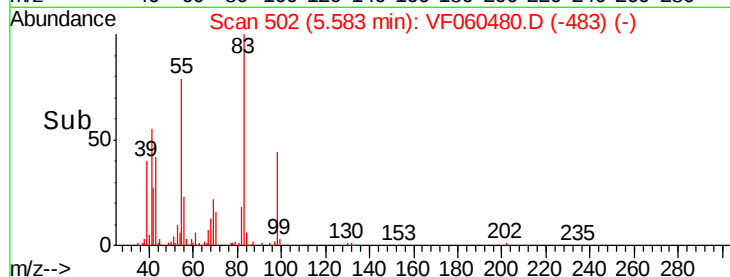
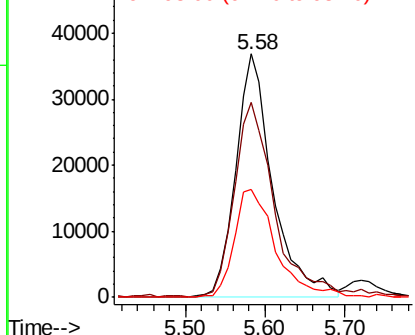
#39
Methvlcvclohexane
Concen: 23.857 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 118640
Ion Ratio Lower Upper
83 100
55 79.9 77.5 116.3
98 44.3 38.7 58.1

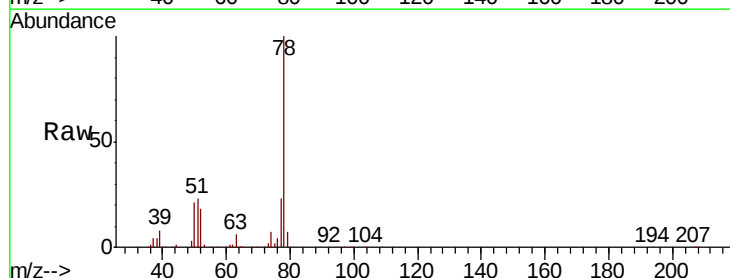


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

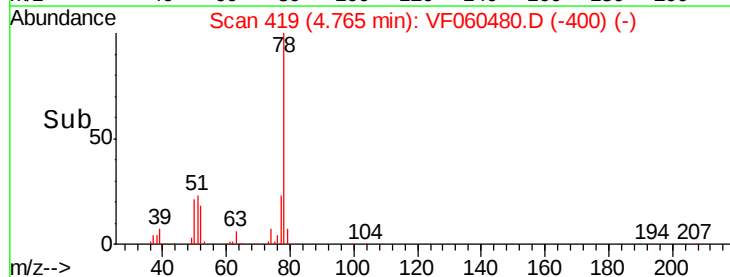
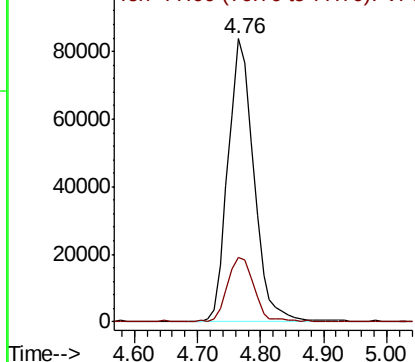


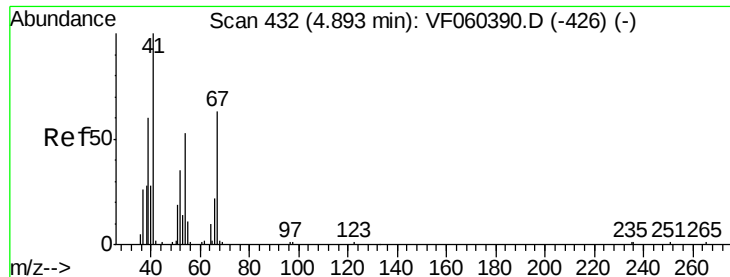
#40
Benzene
Concen: 23.654 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion: 78 Resp: 238198
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

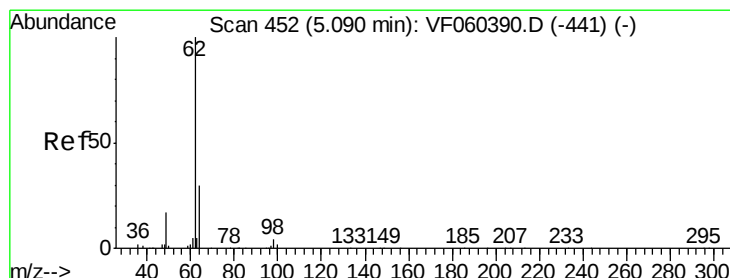
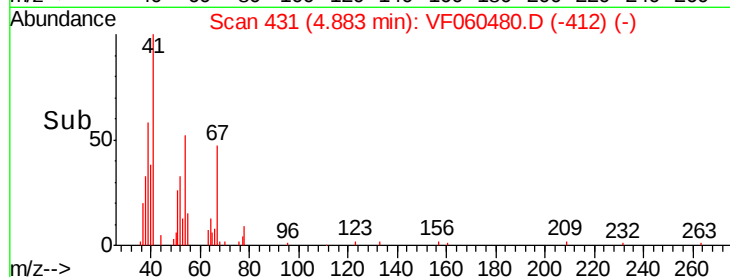
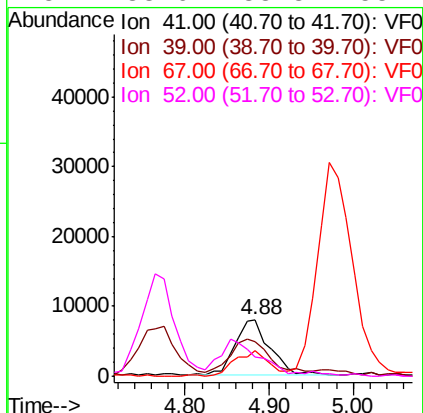
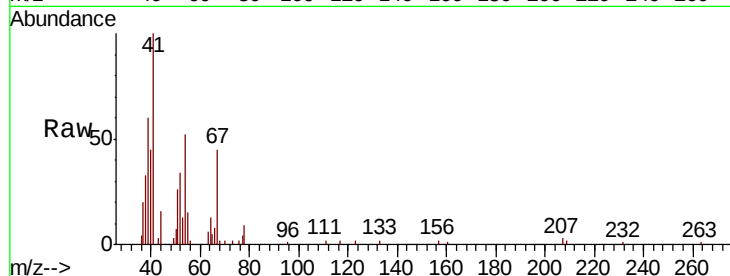




#41
Methacrylonitrile
Concen: 22.186 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

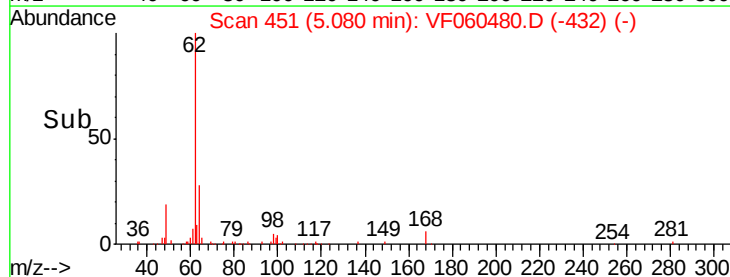
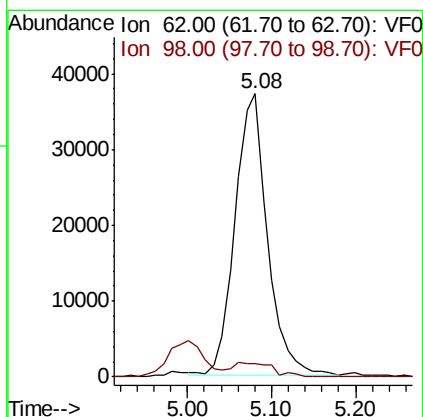
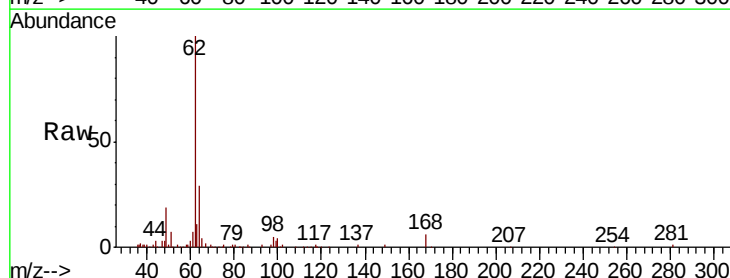
Instrument :
MSVOA_F
ClientSampleId :

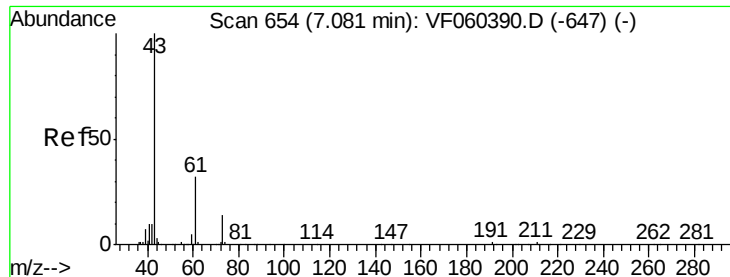
Tot Ion:	41	Resp:	22851
Ion	Ratio	Lower	Upper
41	100		
39	60.3	55.0	82.4
67	44.8	49.6	74.4#
52	33.6	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 20.644 ug/l
RT: 5.08 min Scan# 451
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion:	62	Resp:	99176
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	11.2



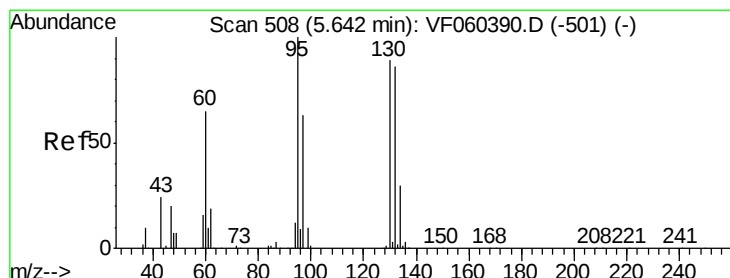
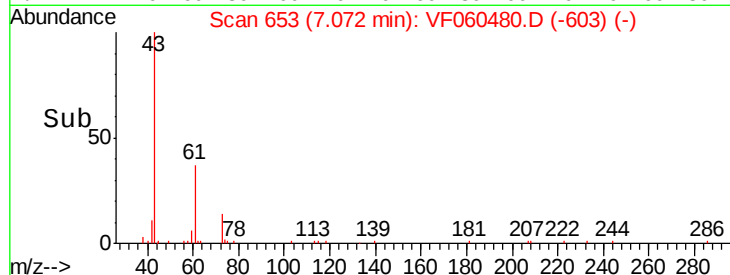
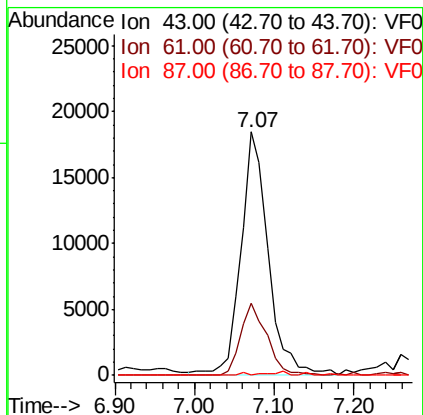
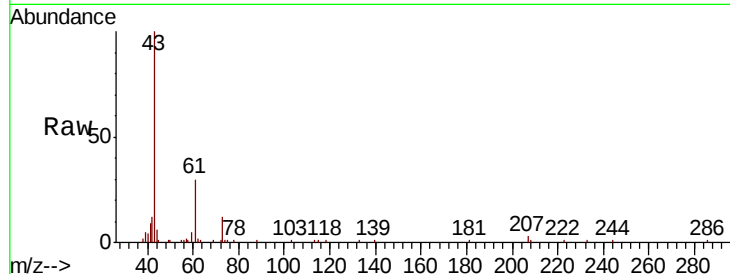


#43

Isopropyl Acetate
 Concen: 18.758 ug/l
 RT: 7.07 min Scan# 653
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Instrument :
 MSVOA_F
 ClientSampleId :

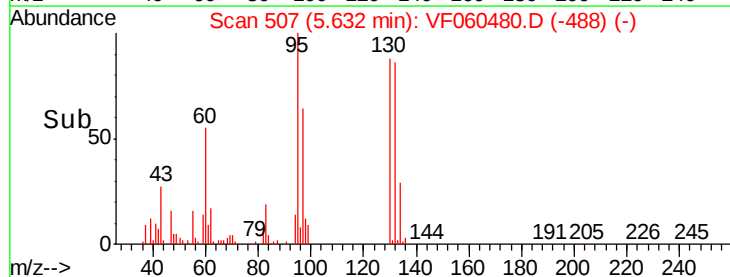
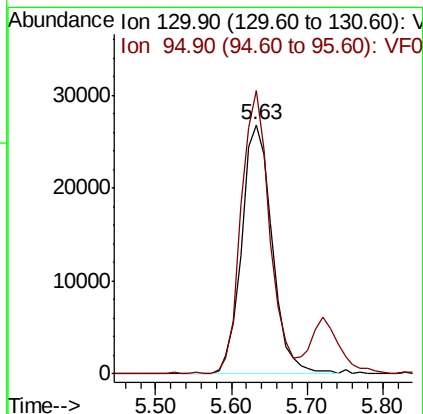
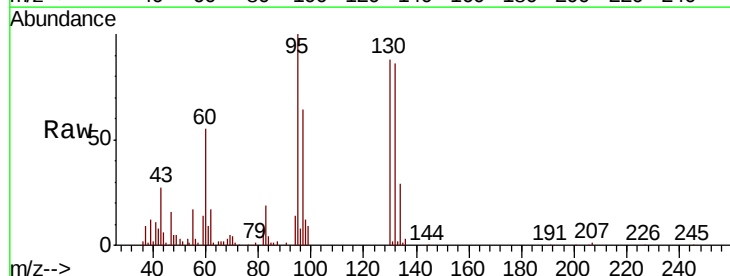
Tot Ion: 43 Resp: 44034
 Ion Ratio Lower Upper
 43 100
 61 29.7 25.4 38.2
 87 0.0 0.3 0.5#

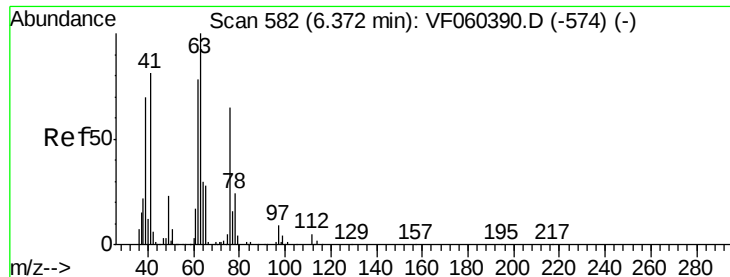


#44

Trichloroethene
 Concen: 23.163 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion: 130 Resp: 74841
 Ion Ratio Lower Upper
 130 100
 95 113.8 0.0 224.4





#45

1,2-Dichloropropane

Concen: 22.087 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

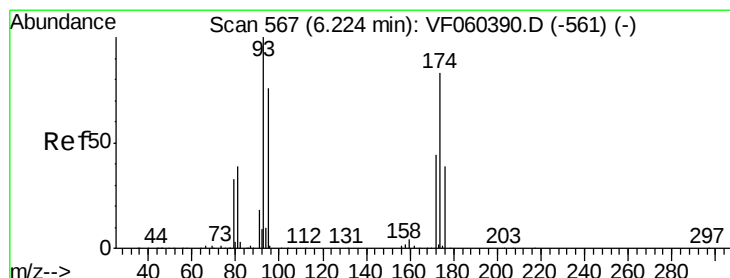
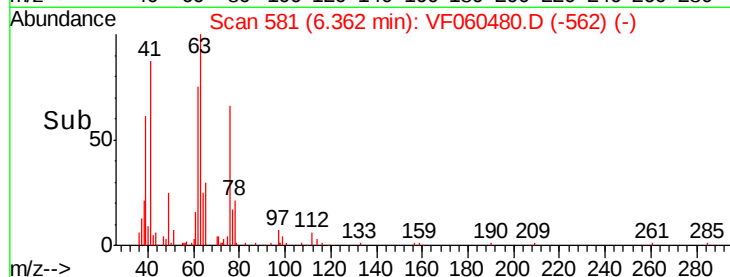
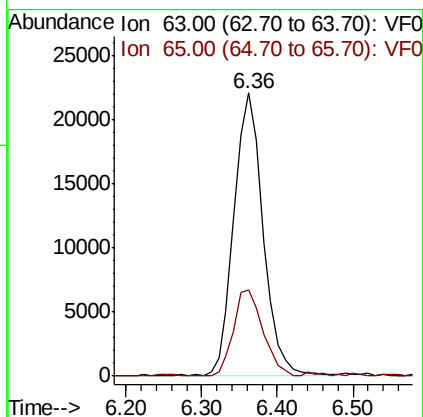
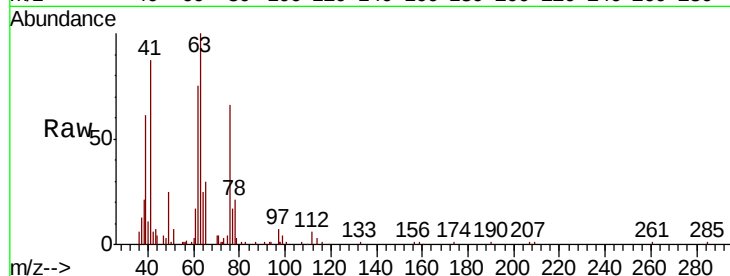
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 59231

Ion Ratio Lower Upper

63 100

65 30.3 22.7 34.1



#46

Dibromomethane

Concen: 20.380 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

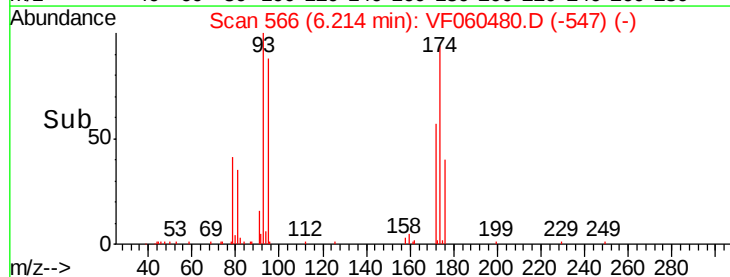
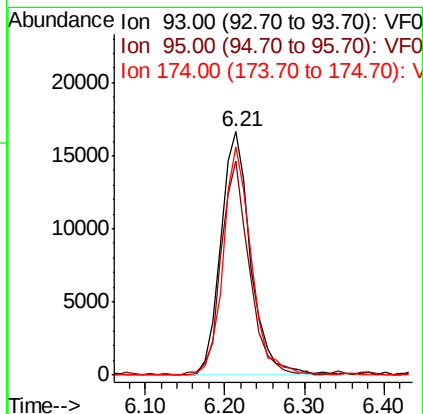
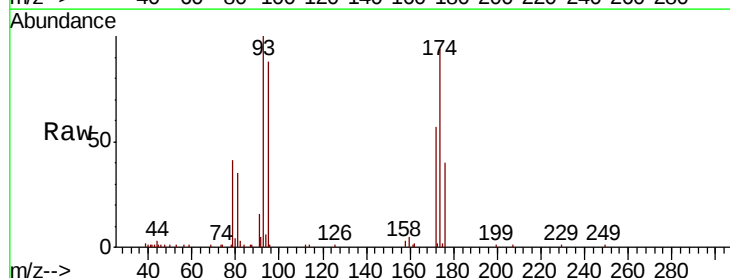
Tgt Ion: 93 Resp: 43943

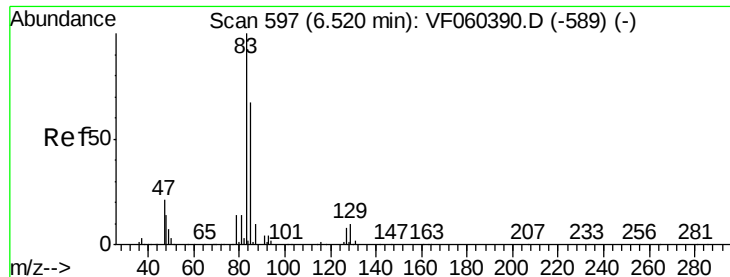
Ion Ratio Lower Upper

93 100

95 88.1 61.1 91.7

174 95.9 66.7 100.1





#47

Bromodichloromethane

Concen: 21.137 ug/l

RT: 6.51 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :
MSVOA_F
ClientSampleId :

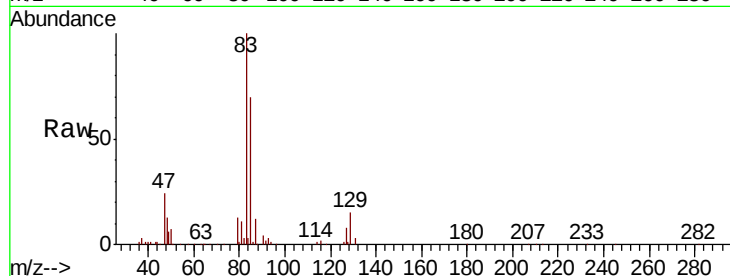
Tot Ion: 83 Resp: 112873

Ion Ratio Lower Upper

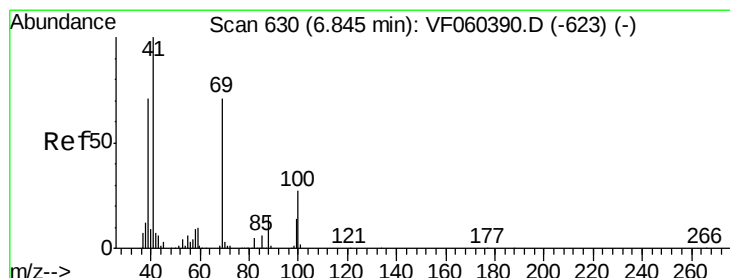
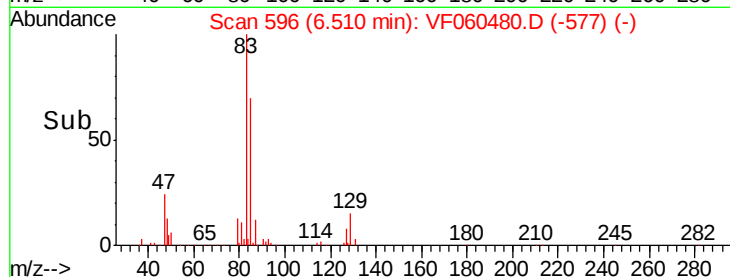
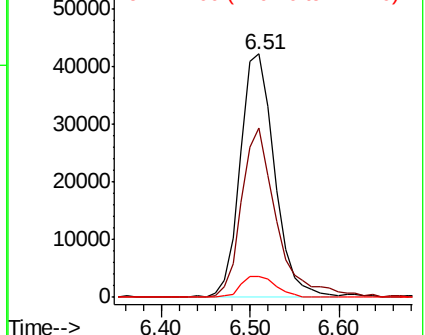
83 100

85 69.6 53.2 79.8

127 9.4 6.6 9.8



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: 19.801 ug/l

RT: 6.84 min Scan# 629

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

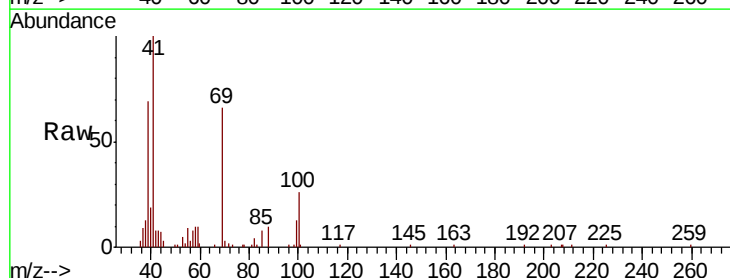
Tgt Ion: 41 Resp: 33367

Ion Ratio Lower Upper

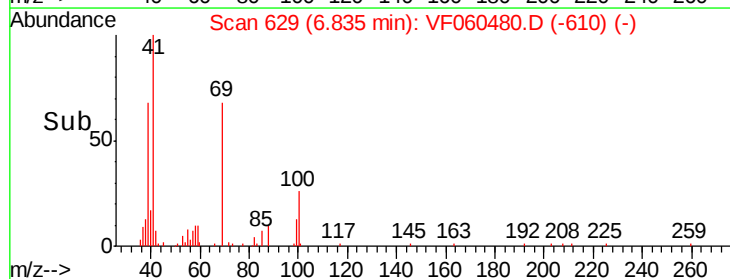
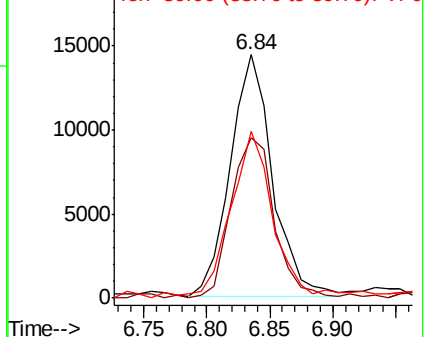
41 100

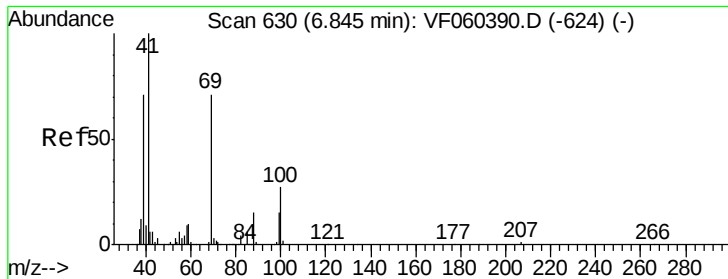
69 66.0 56.3 84.5

39 68.5 56.9 85.3



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

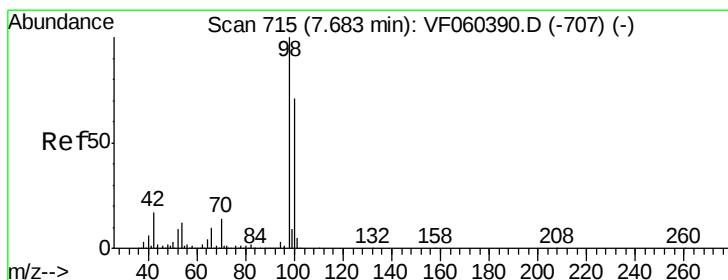
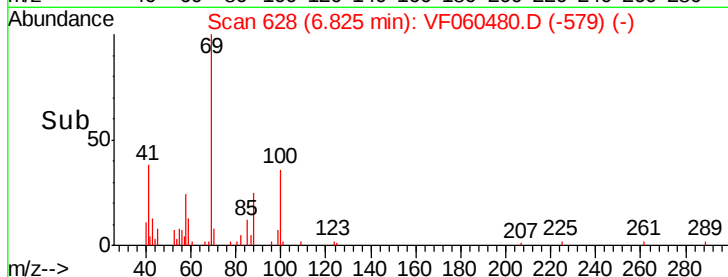
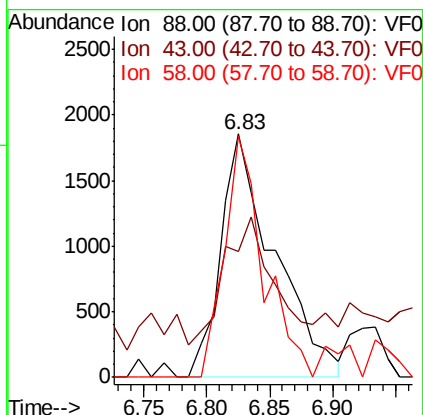
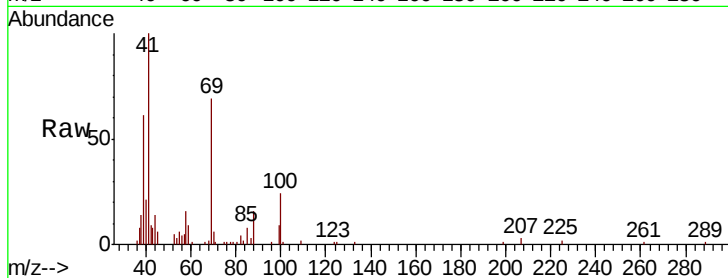




#49
1,4-Dioxane
Concen: 375.589 ug/l
RT: 6.83 min Scan# 628
Delta R.T. -0.02 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

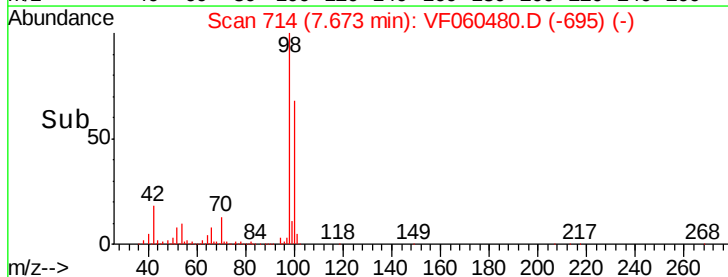
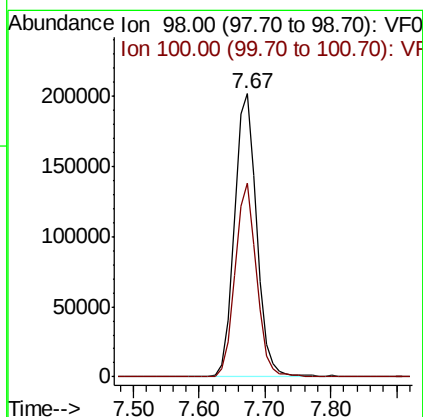
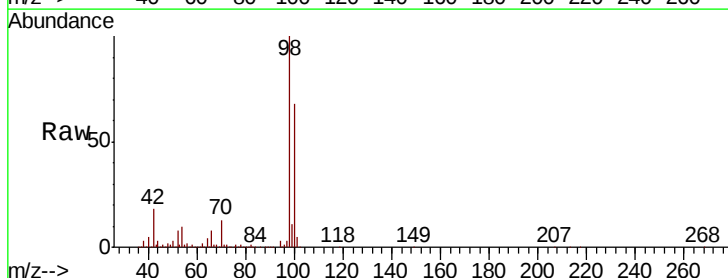
Instrument :
MSVOA_F
ClientSampleId :

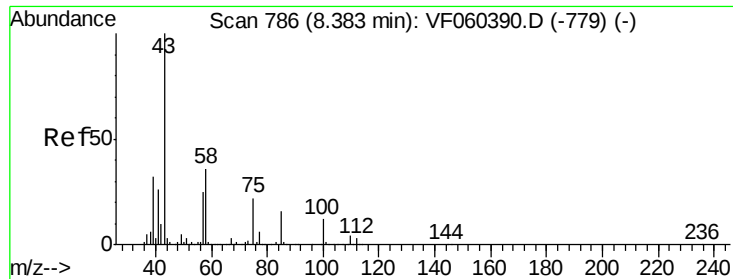
Tot Ion: 88 Resp: 5457
Ion Ratio Lower Upper
88 100
43 51.7 38.3 57.5
58 98.9 47.4 71.2#



#50
Toluene-d8
Concen: 50.402 ug/l
RT: 7.67 min Scan# 714
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion: 98 Resp: 479775
Ion Ratio Lower Upper
98 100
100 68.3 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 99.156 ug/l

RT: 8.36 min Scan# 784

Delta R.T. -0.02 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

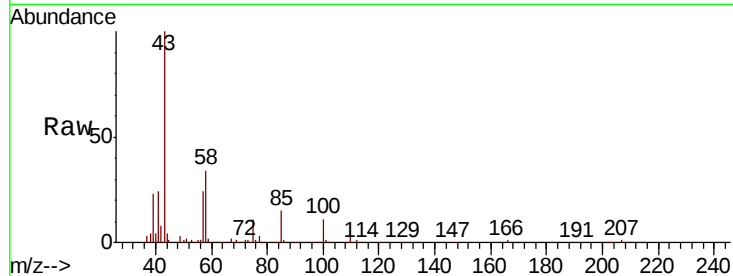
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 165693

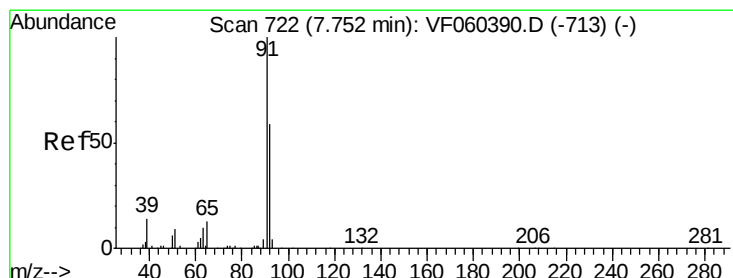
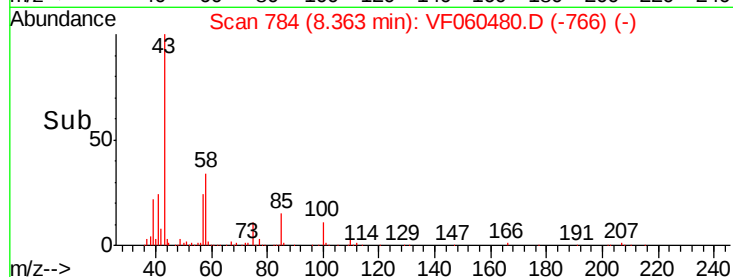
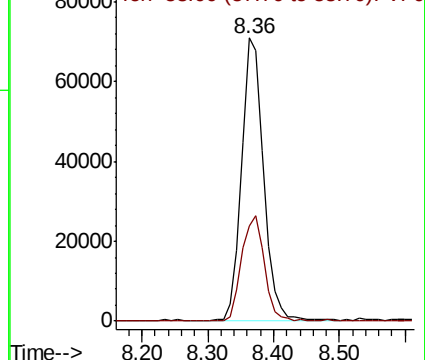
Ion Ratio Lower Upper

43 100

58 33.8 28.5 42.7



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



#52

Toluene

Concen: 21.173 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.01 min

Lab File: VF060480.D

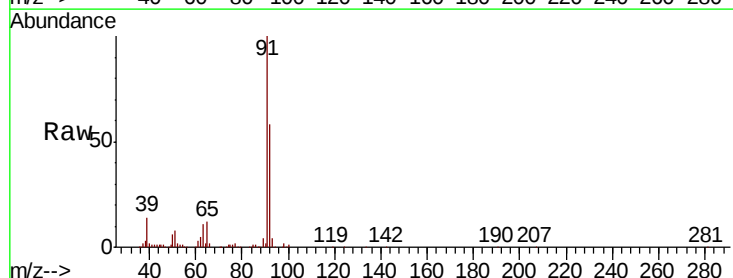
Acq: 8 Oct 2018 12:29

Tgt Ion: 92 Resp: 144818

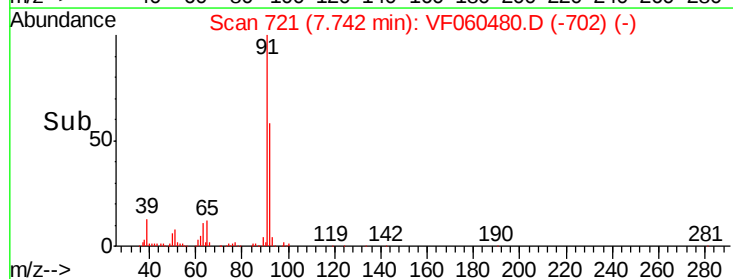
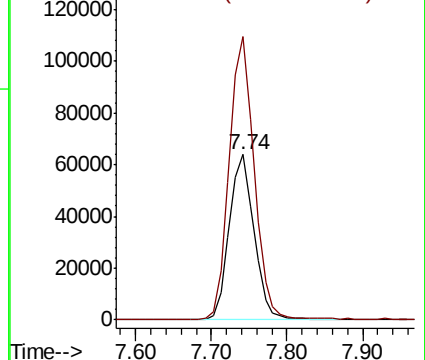
Ion Ratio Lower Upper

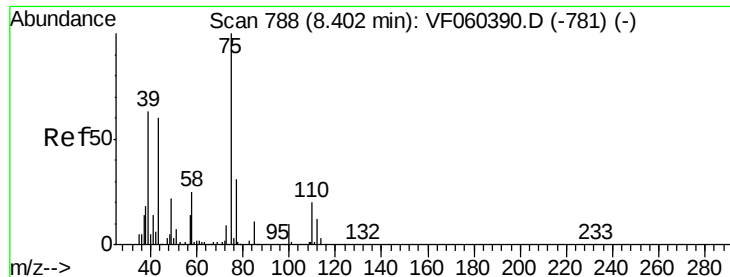
92 100

91 171.5 135.4 203.0



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: 22.010 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.02 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

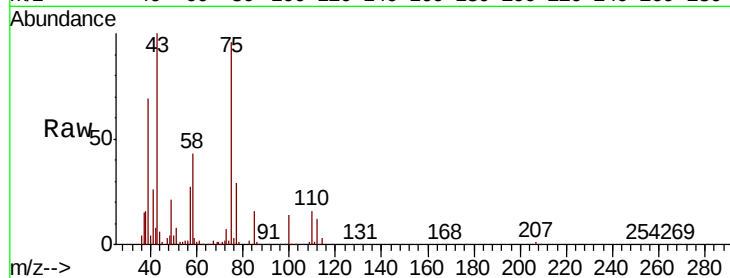
ClientSampleId :

Tot Ion: 75 Resp: 92110

Ion Ratio Lower Upper

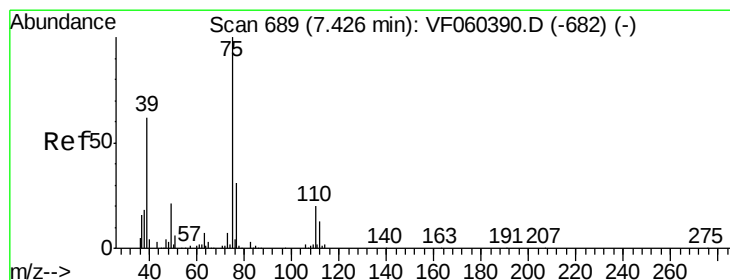
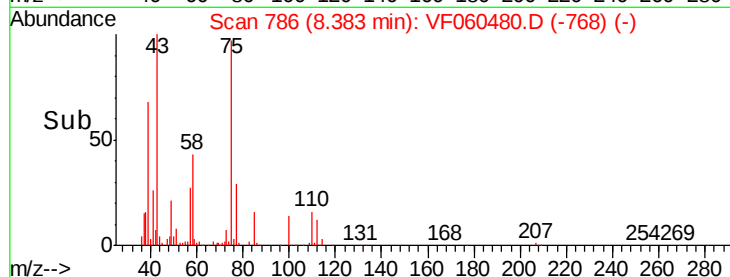
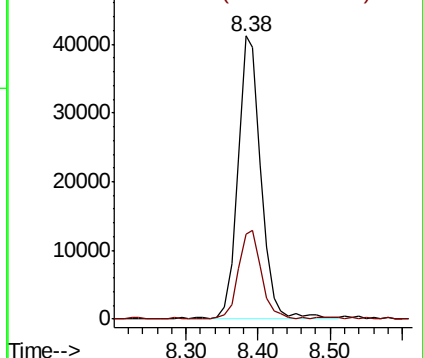
75 100

77 30.1 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.194 ug/l

RT: 7.42 min Scan# 688

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

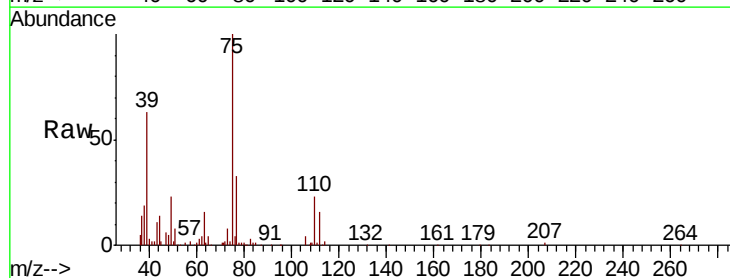
Tgt Ion: 75 Resp: 103662

Ion Ratio Lower Upper

75 100

77 33.3 25.2 37.8

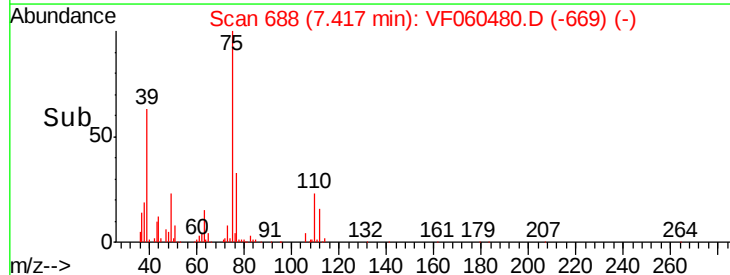
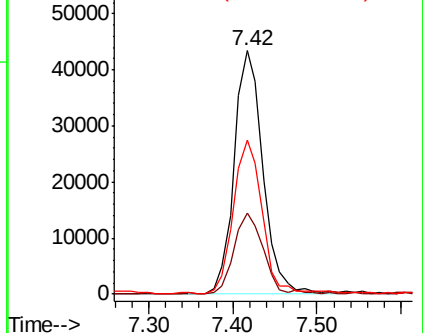
39 63.3 49.7 74.5

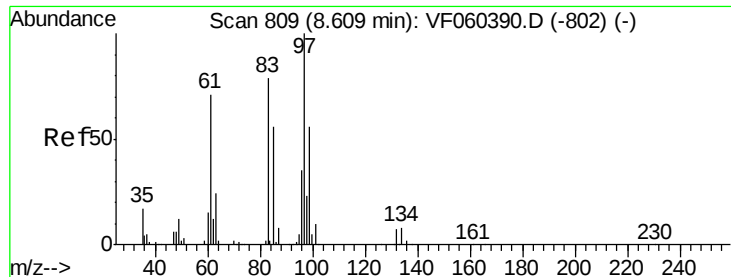


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

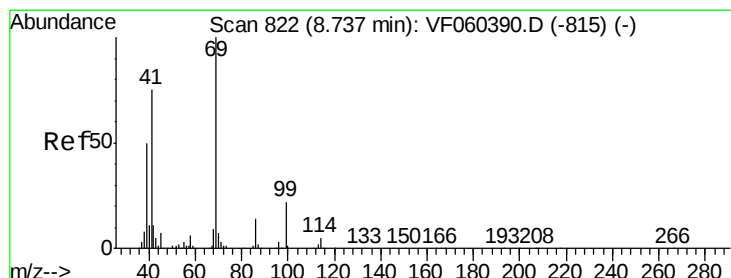
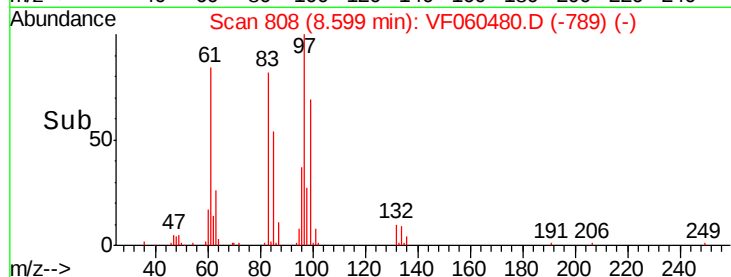
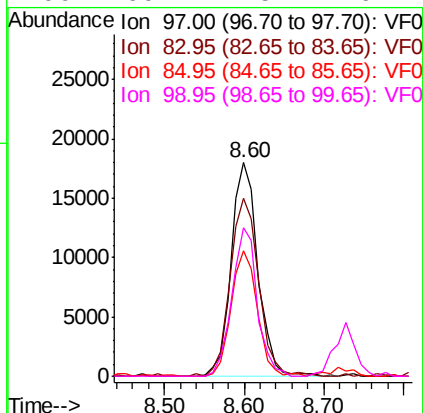
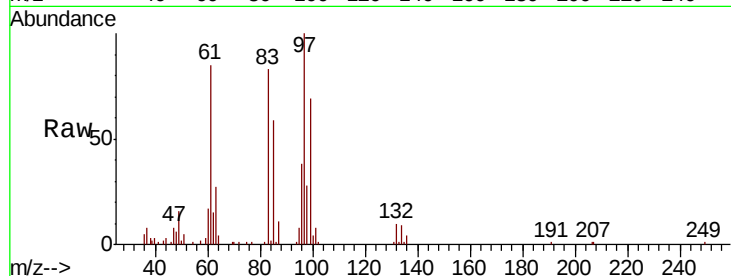




#55
 1,1,2-Trichloroethane
 Concen: 19.500 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

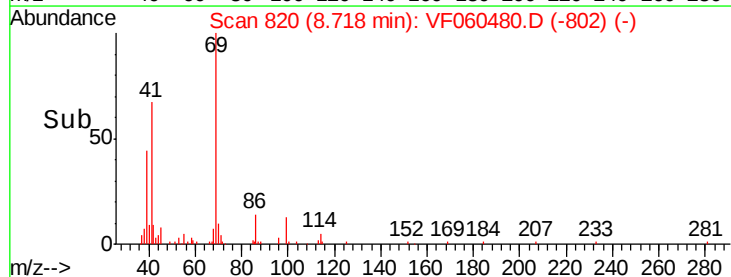
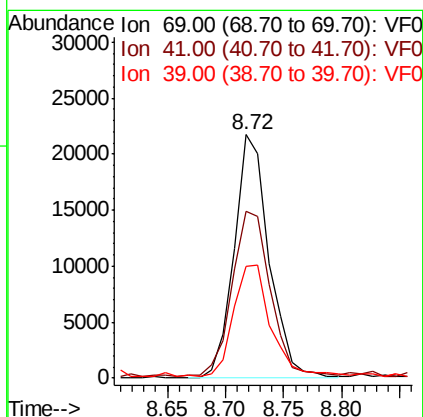
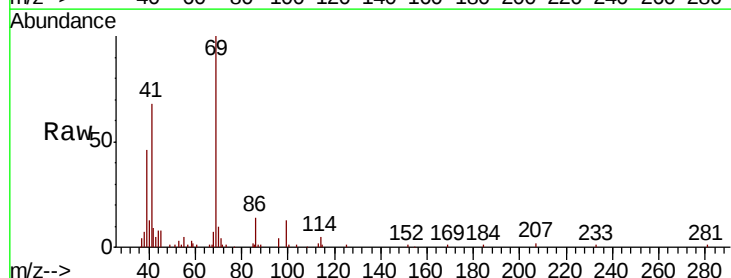
Instrument :
 MSVOA_F
 ClientSampleId :

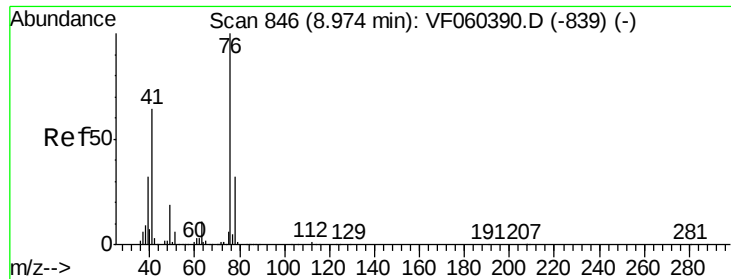
Tot Ion: 97 Resp: 42276
 Ion Ratio Lower Upper
 97 100
 83 83.3 63.4 95.0
 85 58.7 44.5 66.7
 99 69.2 45.1 67.7#



#56
 Ethyl methacrylate
 Concen: 18.348 ug/l
 RT: 8.72 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion: 69 Resp: 45202
 Ion Ratio Lower Upper
 69 100
 41 68.3 60.2 90.4
 39 46.0 40.2 60.2





#57

1,3-Dichloropropane

Concen: 21.225 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

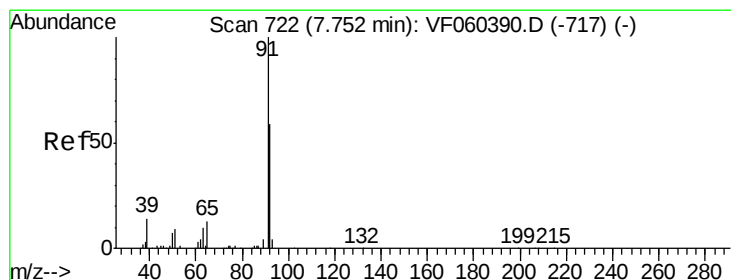
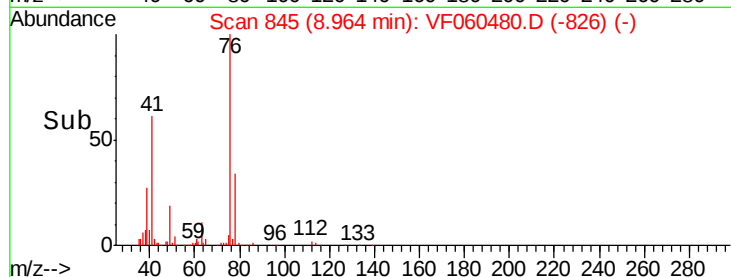
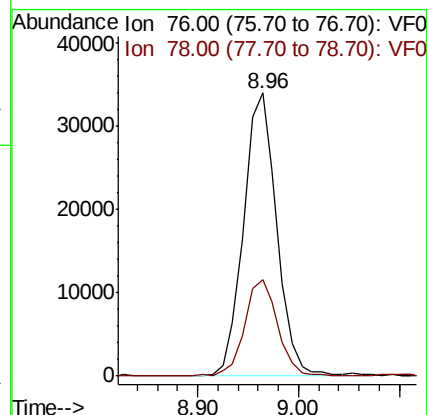
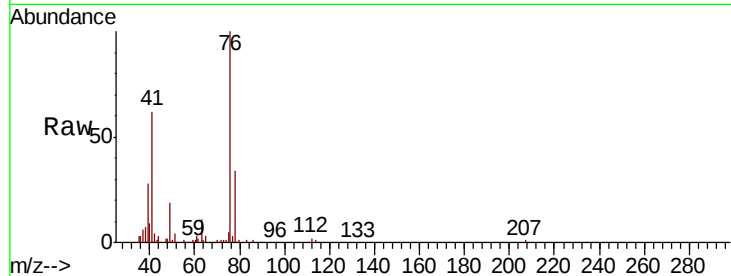
ClientSampleId :

Tot Ion: 76 Resp: 77848

Ion Ratio Lower Upper

76 100

78 34.2 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 110.442 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.01 min

Lab File: VF060480.D

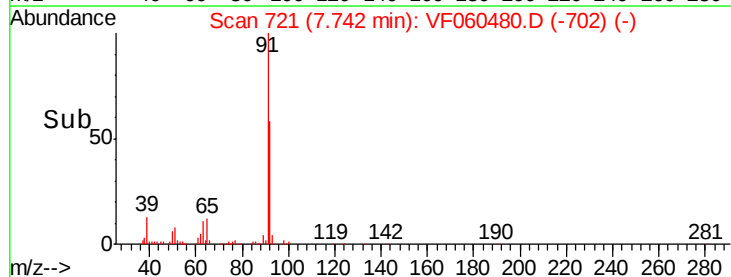
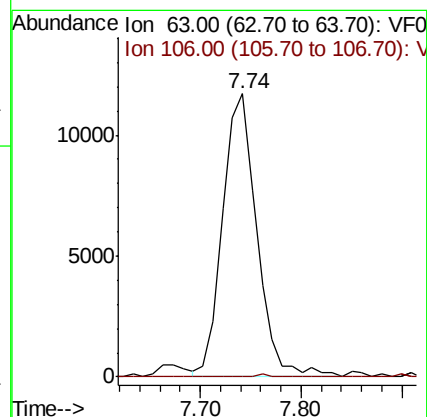
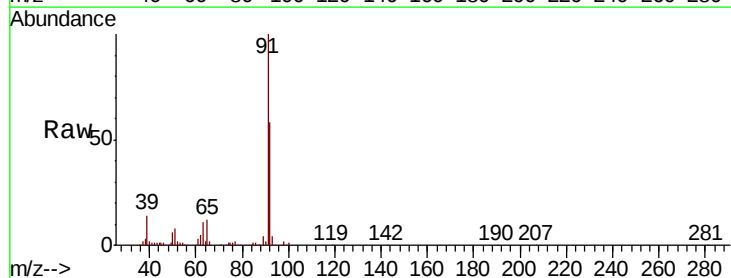
Acq: 8 Oct 2018 12:29

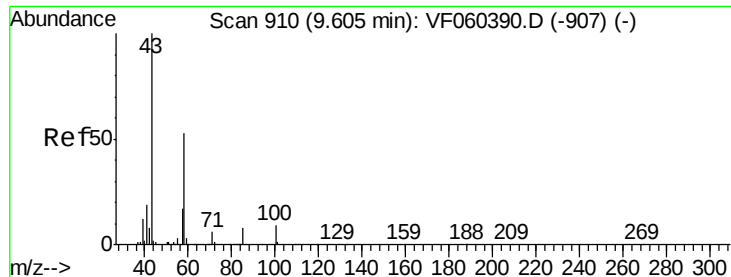
Tgt Ion: 63 Resp: 27792

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

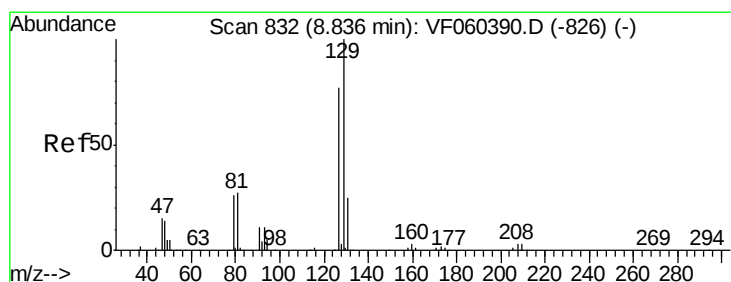
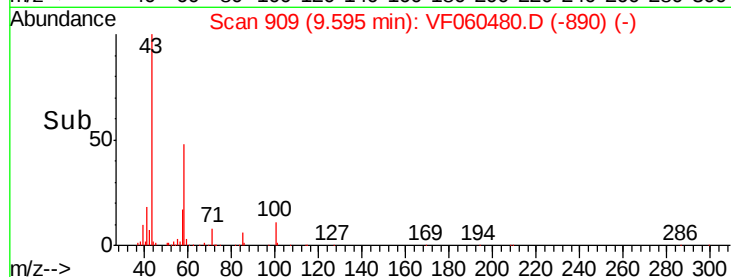
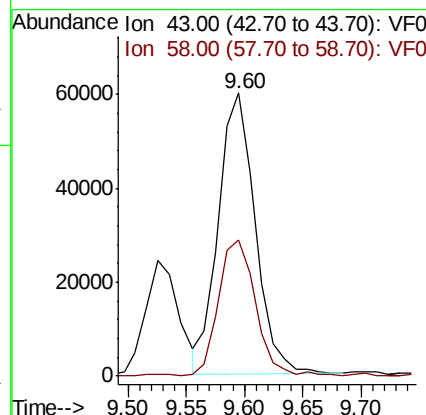
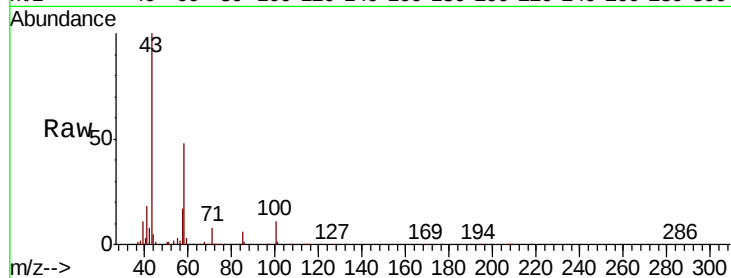




#59
2-Hexanone
Concen: 106.921 ug/l
RT: 9.60 min Scan# 909
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

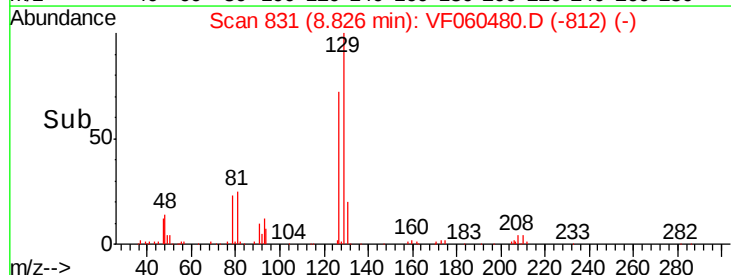
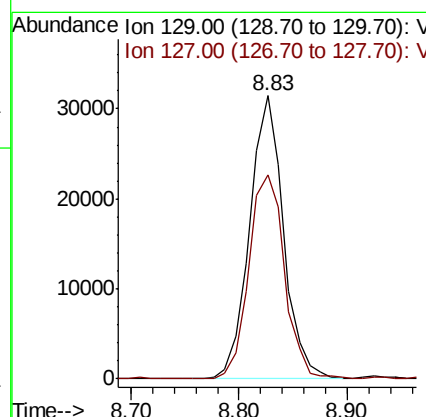
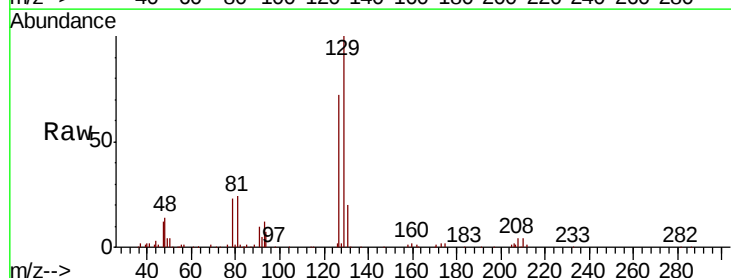
Instrument :
MSVOA_F
ClientSampled :

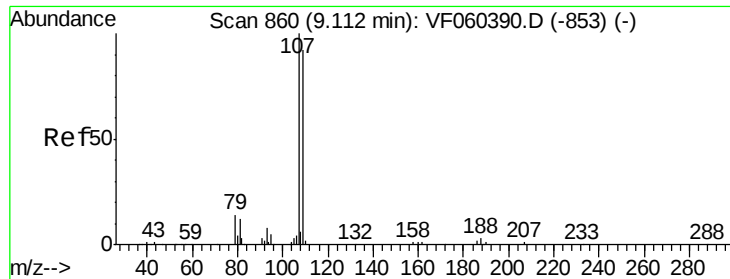
Tot Ion: 43 Resp: 131051
Ion Ratio Lower Upper
43 100
58 48.3 25.6 76.6



#60
Dibromochloromethane
Concen: 20.953 ug/l
RT: 8.83 min Scan# 831
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion:129 Resp: 68398
Ion Ratio Lower Upper
129 100
127 72.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 22.007 ug/l

RT: 9.10 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

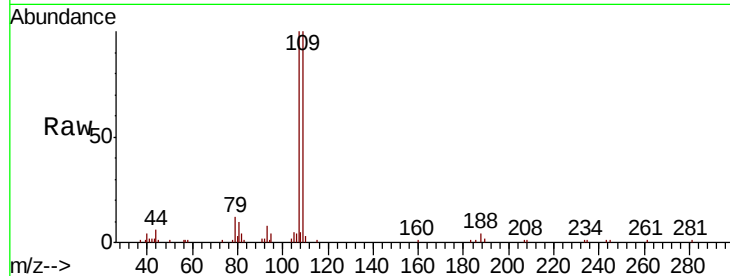
ClientSampleId :

Tot Ion:107 Resp: 52208

Ion Ratio Lower Upper

107 100

109 100.0 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

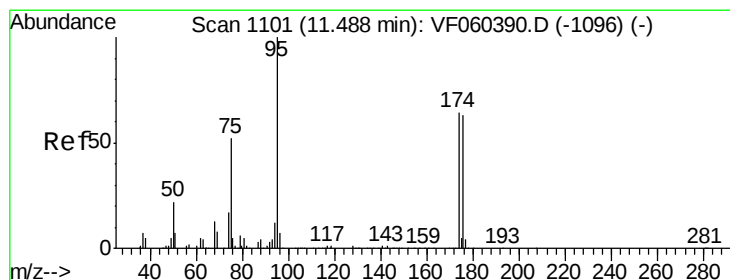
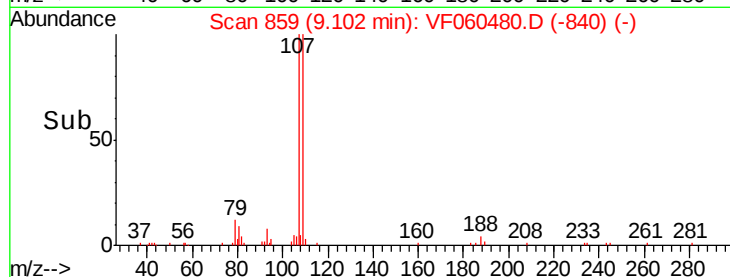
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 48.532 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

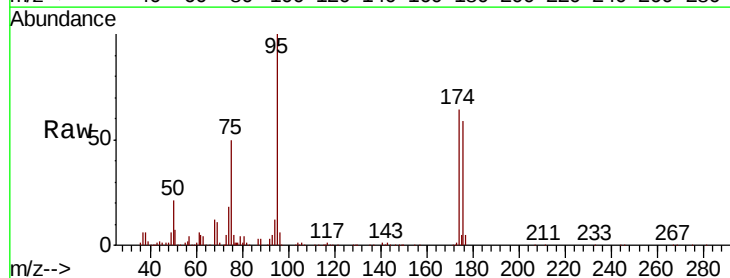
Tgt Ion: 95 Resp: 210937

Ion Ratio Lower Upper

95 100

174 64.3 0.0 129.0

176 58.7 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

150000

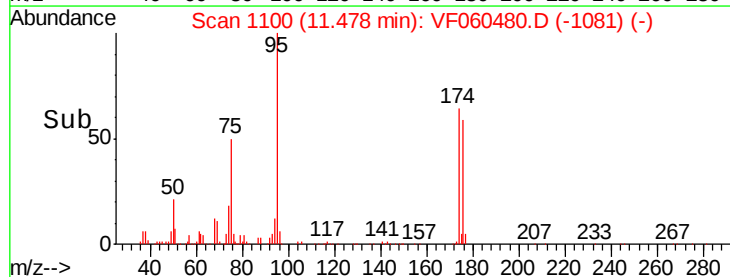
100000

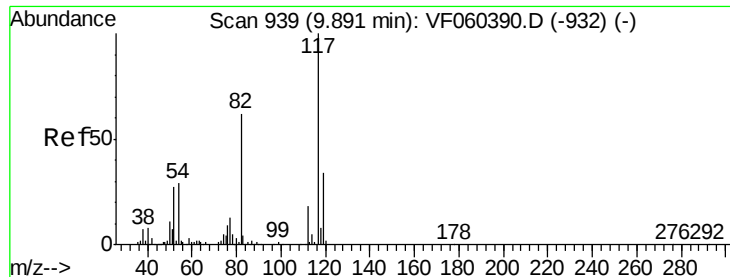
50000

0

Time-->

11.40 11.50 11.60

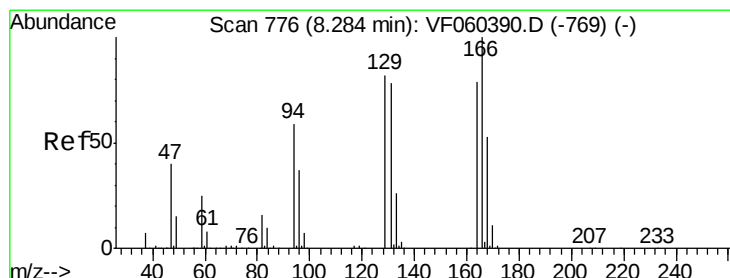
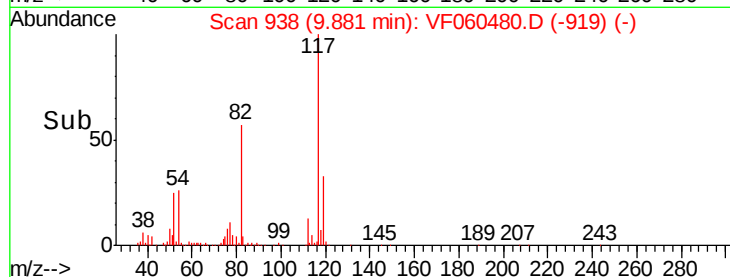
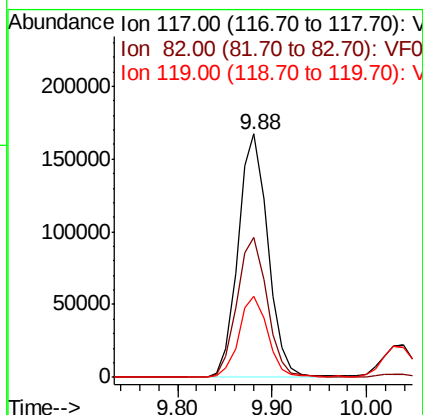
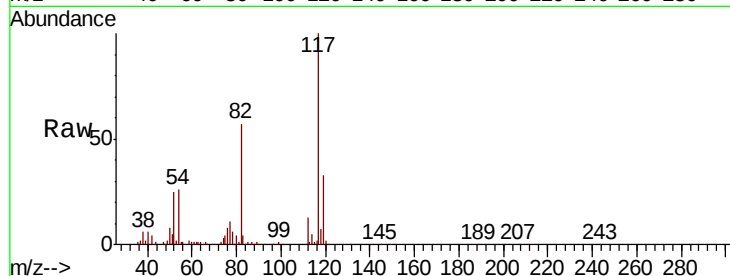




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

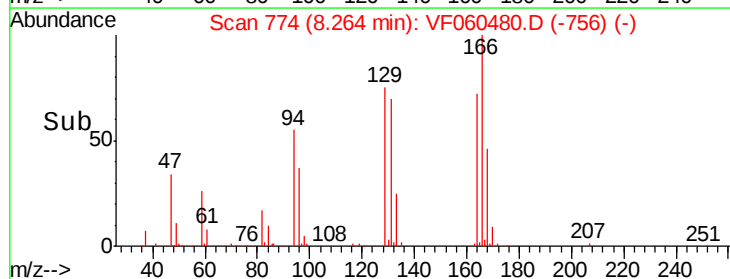
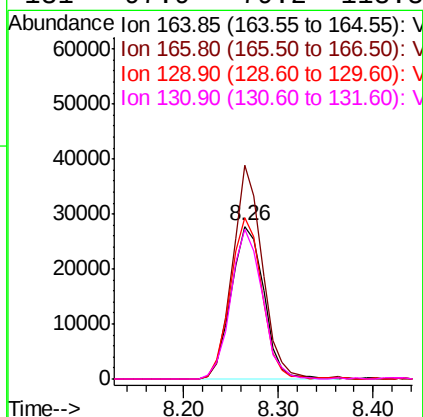
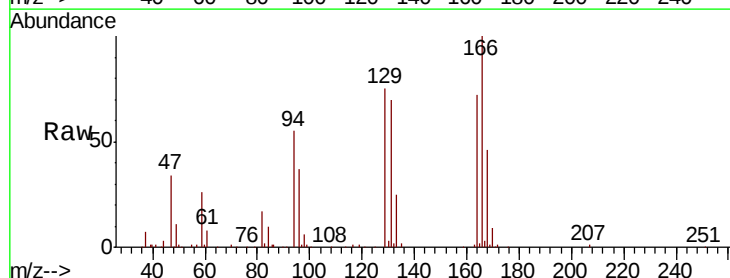
Instrument :
MSVOA_F
ClientSampled :

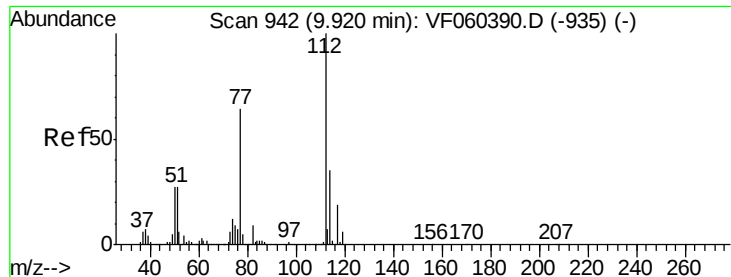
Tot Ion:117 Resp: 366398
Ion Ratio Lower Upper
117 100
82 57.4 49.5 74.3
119 33.2 27.0 40.6



#64
Tetrachloroethene
Concen: 22.824 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.02 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion:164 Resp: 66478
Ion Ratio Lower Upper
164 100
166 139.6 101.0 151.6
129 105.4 82.5 123.7
131 97.9 79.2 118.8

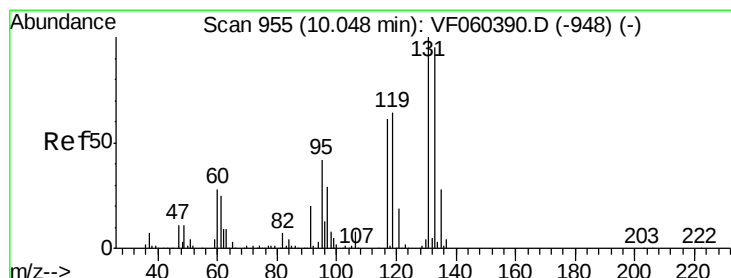
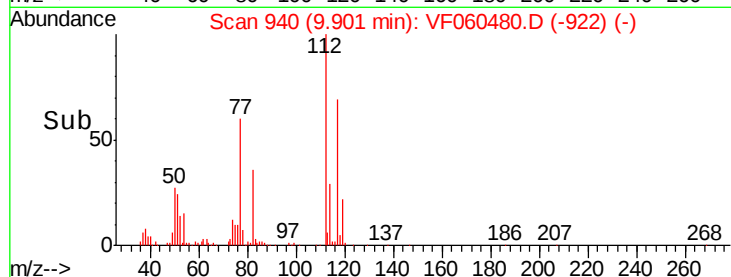
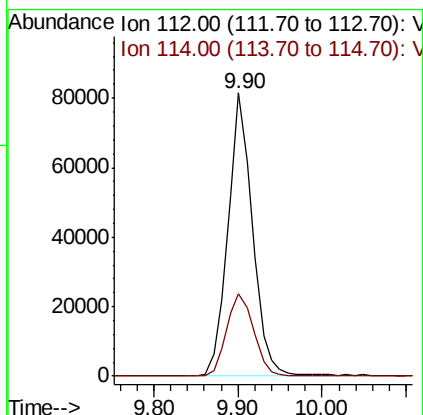
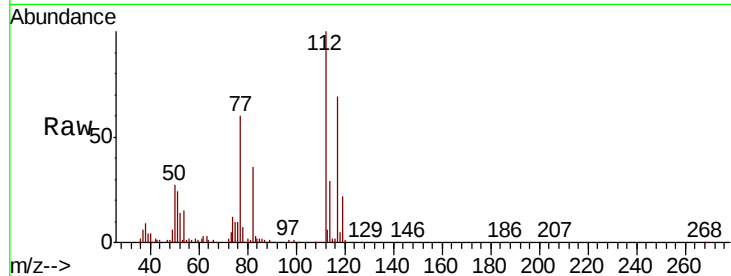




#65
Chlorobenzene
Concen: 21.967 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

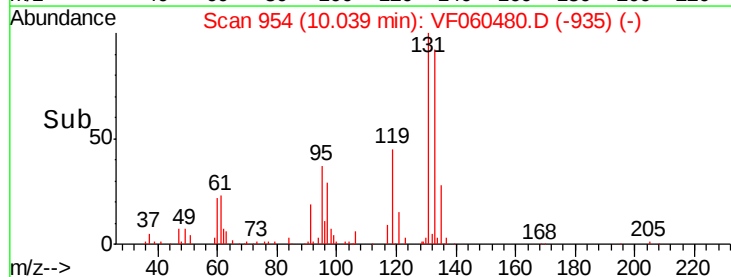
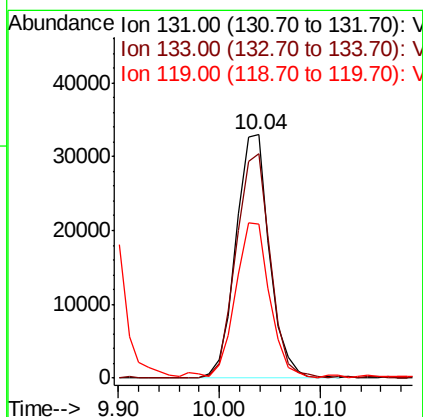
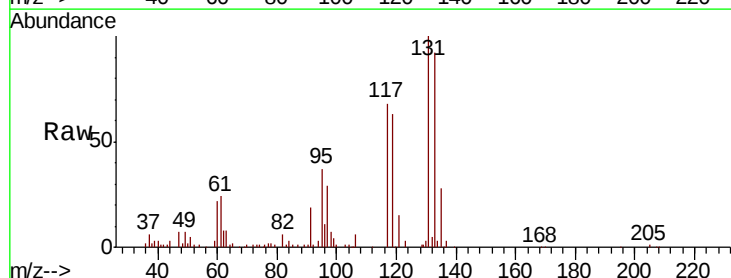
Instrument :
MSVOA_F
ClientSampleId :

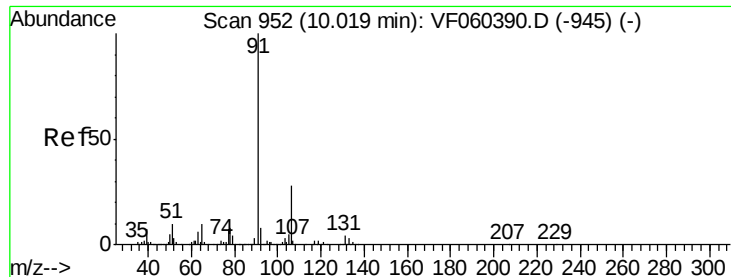
Tot Ion:112 Resp: 165332
Ion Ratio Lower Upper
112 100
114 29.1 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 23.294 ug/l
RT: 10.04 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion:131 Resp: 76552
Ion Ratio Lower Upper
131 100
133 92.0 47.3 141.8
119 63.3 32.3 96.9





#67

Ethyl Benzene

Concen: 21.950 ug/l

RT: 10.00 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

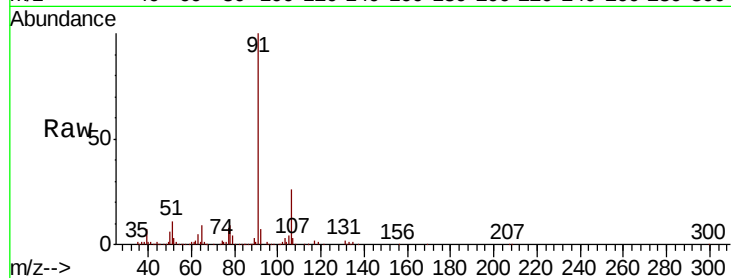
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 314130

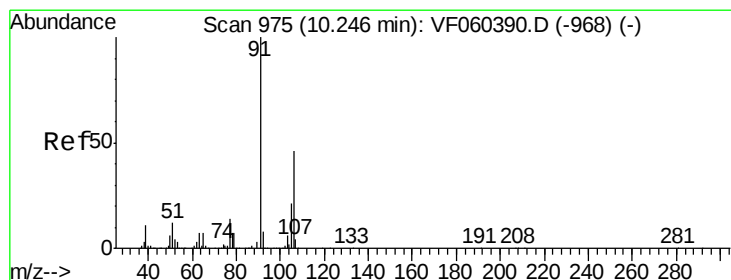
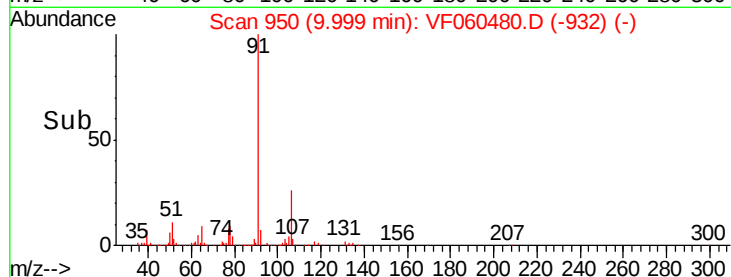
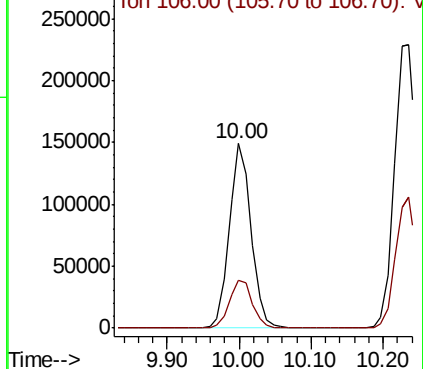
Ion Ratio Lower Upper

91 100

106 25.7 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 44.983 ug/l

RT: 10.24 min Scan# 974

Delta R.T. -0.01 min

Lab File: VF060480.D

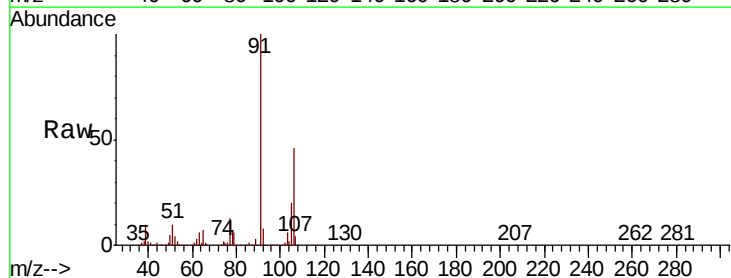
Acq: 8 Oct 2018 12:29

Tgt Ion:106 Resp: 221295

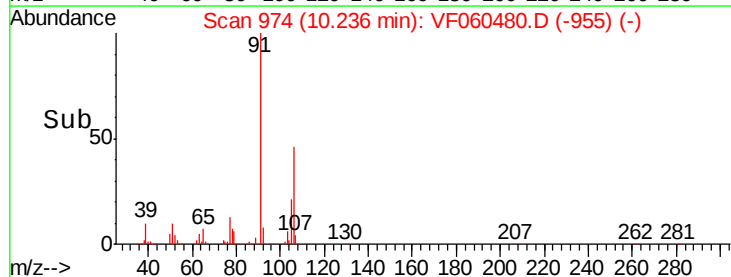
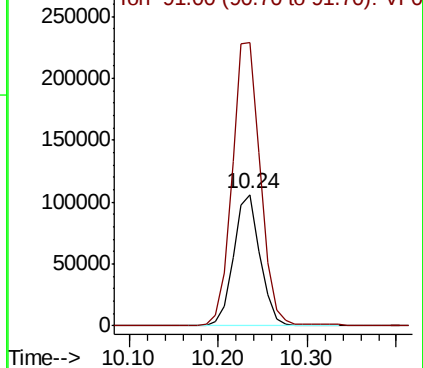
Ion Ratio Lower Upper

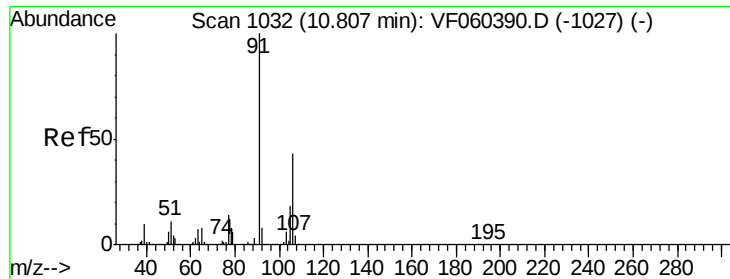
106 100

91 215.8 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

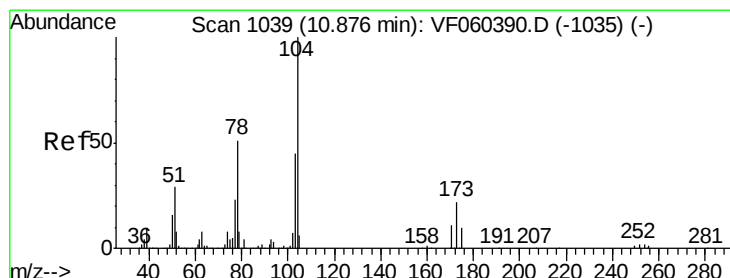
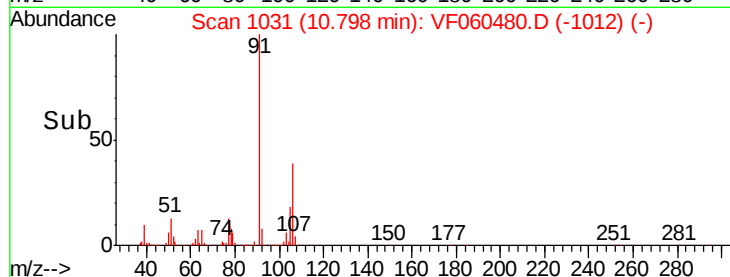
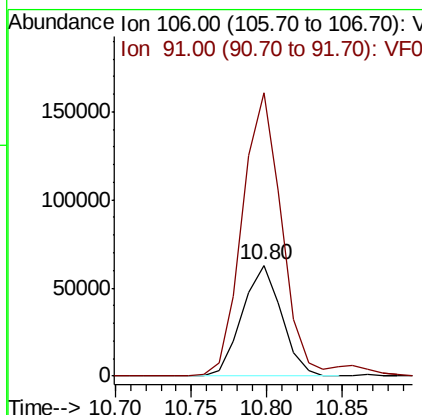
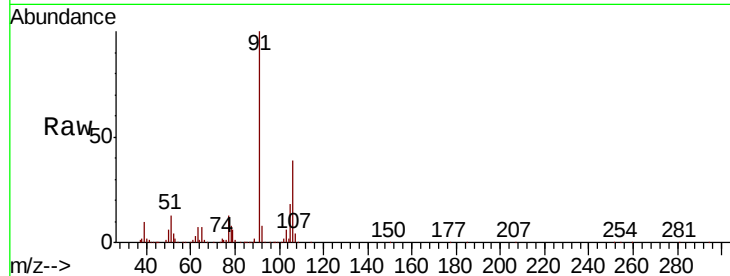




#69
o-Xylene
Concen: 21.301 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

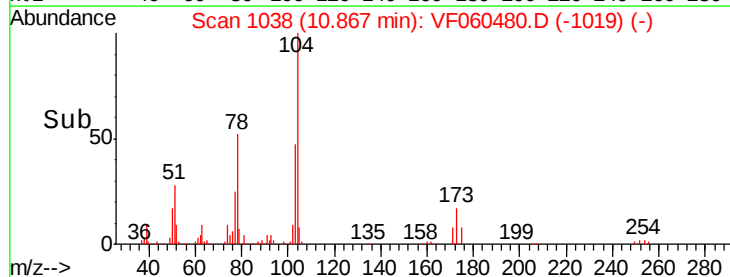
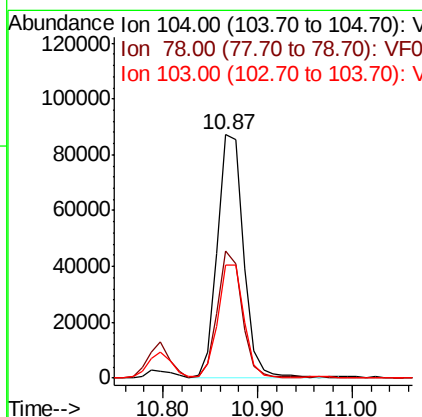
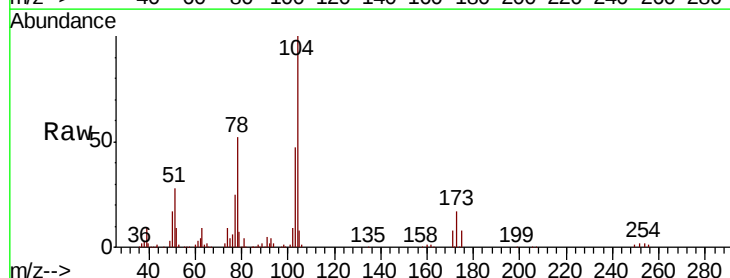
Instrument :
MSVOA_F
ClientSampled :

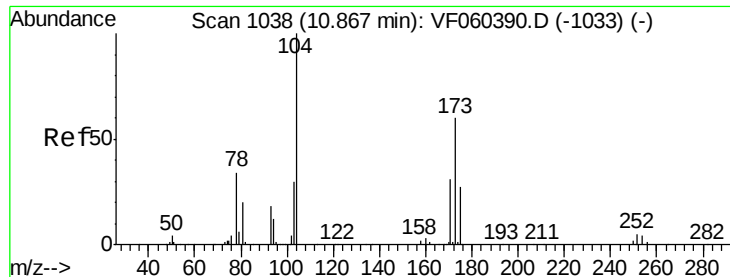
Tot Ion:106 Resp: 114227
Ion Ratio Lower Upper
106 100
91 255.1 115.1 345.2



#70
Styrene
Concen: 21.937 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. -0.01 min
Lab File: VF060480.D
Acq: 8 Oct 2018 12:29

Tgt Ion:104 Resp: 167326
Ion Ratio Lower Upper
104 100
78 52.3 41.0 61.4
103 46.5 36.4 54.6





#71

Bromoform

Concen: 18.840 ug/l

RT: 10.86 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

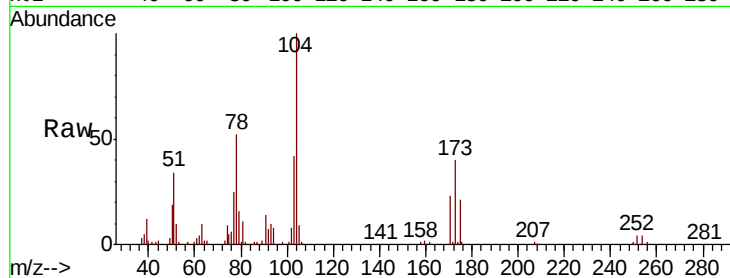
Tot Ion:173 Resp: 32963

Ion Ratio Lower Upper

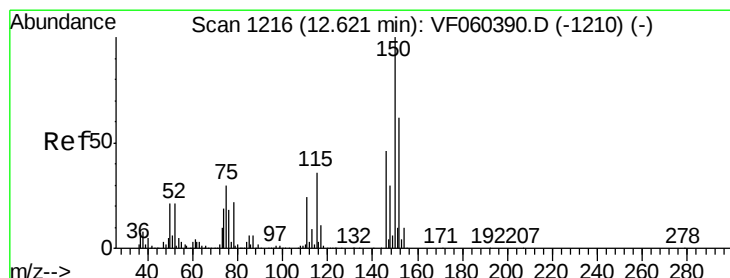
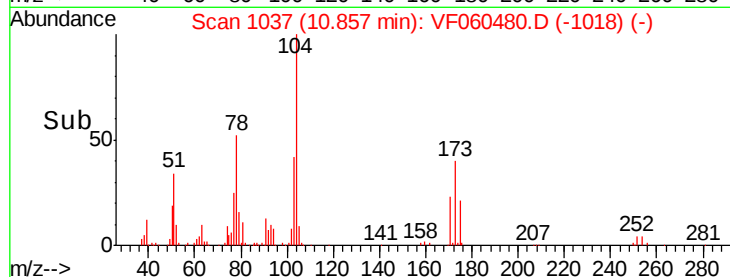
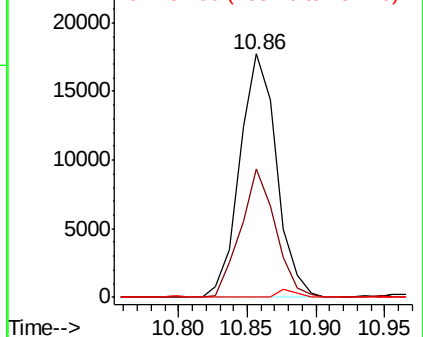
173 100

175 51.3 22.1 66.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

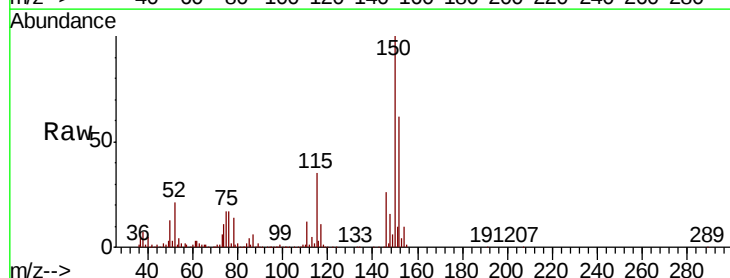
Tgt Ion:152 Resp: 191293

Ion Ratio Lower Upper

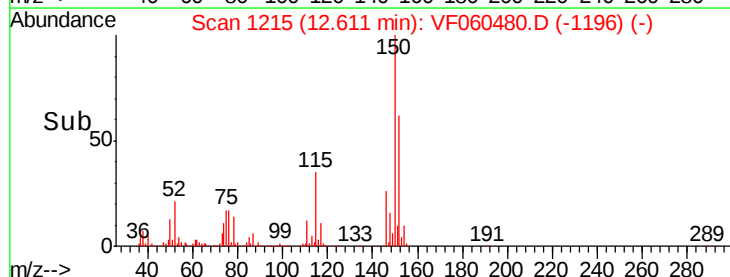
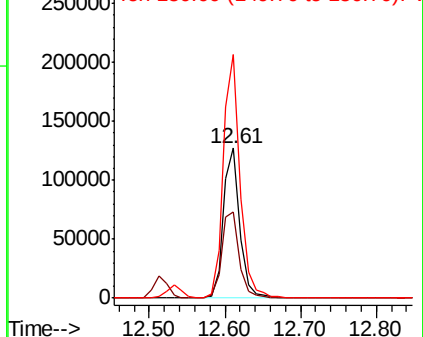
152 100

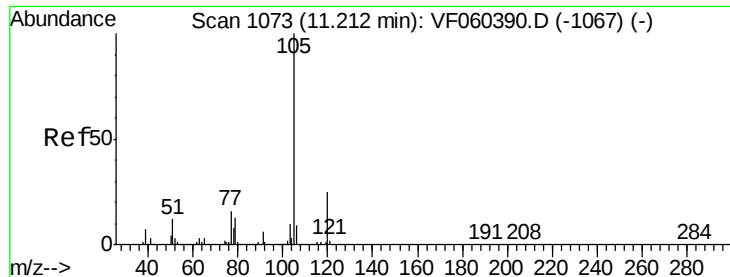
115 57.0 28.6 85.8

150 162.3 0.0 324.6



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: 22.931 ug/l

RT: 11.20 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

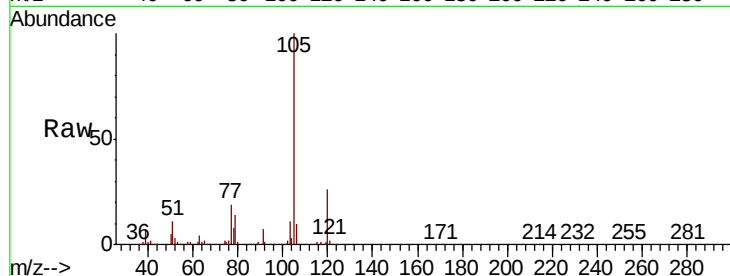
ClientSampleId :

Tot Ion:105 Resp: 345388

Ion Ratio Lower Upper

105 100

120 26.4 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

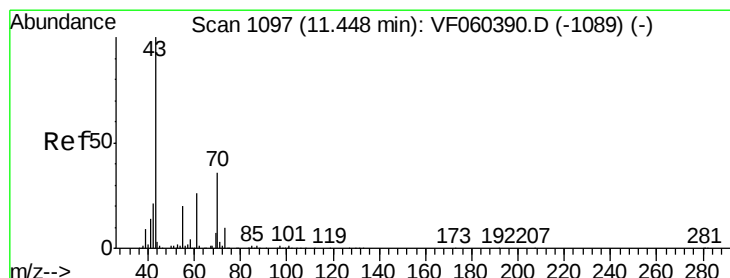
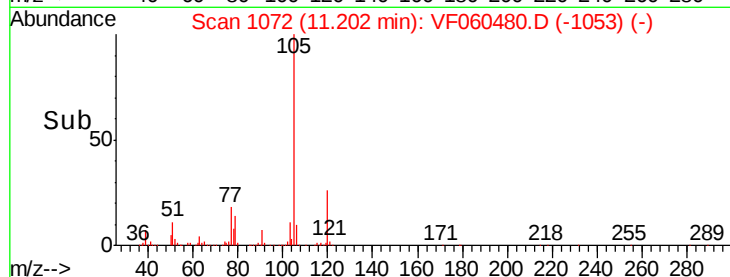
100000

50000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 19.456 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Tgt Ion: 43 Resp: 67257

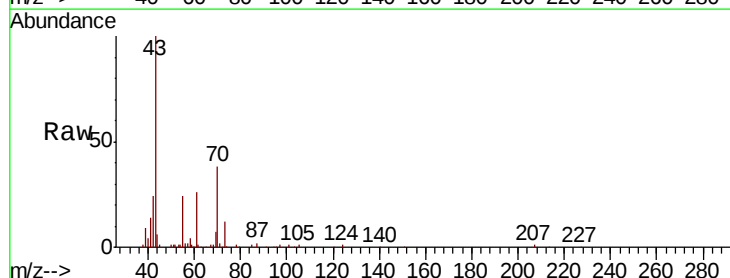
Ion Ratio Lower Upper

43 100

70 37.8 29.1 43.7

55 23.7 16.3 24.5

61 25.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

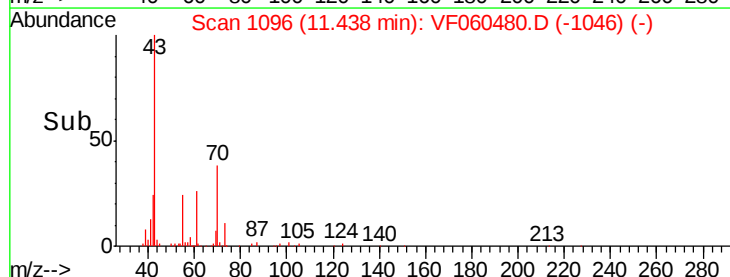
40000

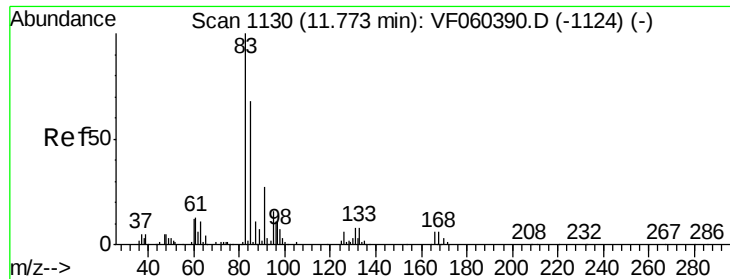
20000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.270 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

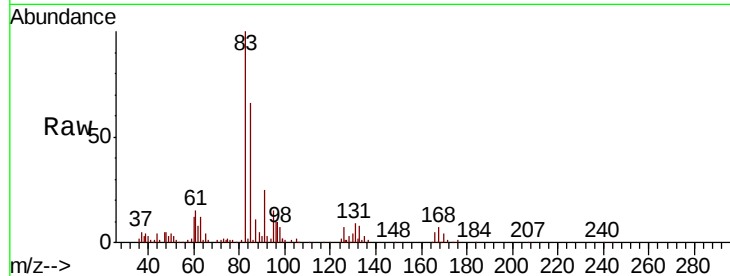
Tot Ion: 83 Resp: 58407

Ion Ratio Lower Upper

83 100

131 8.6 4.0 12.0

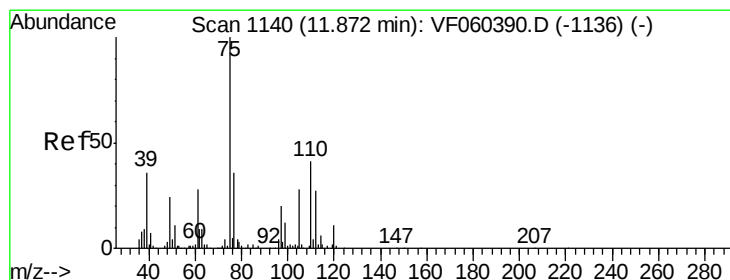
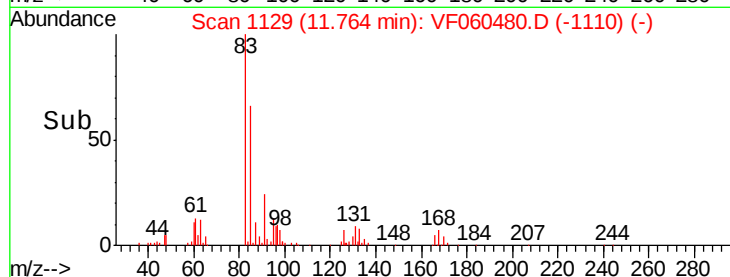
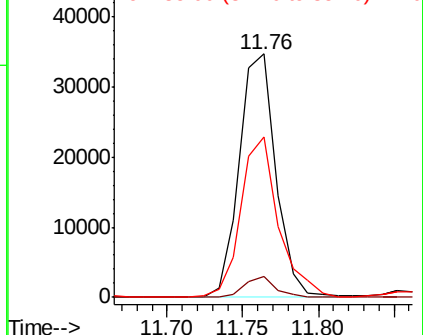
85 65.9 34.0 102.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.949 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF060480.D

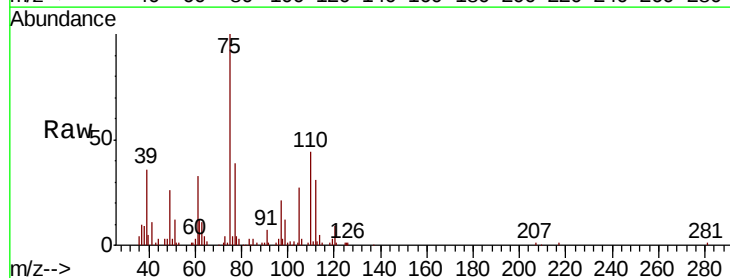
Acq: 8 Oct 2018 12:29

Tgt Ion: 75 Resp: 42351

Ion Ratio Lower Upper

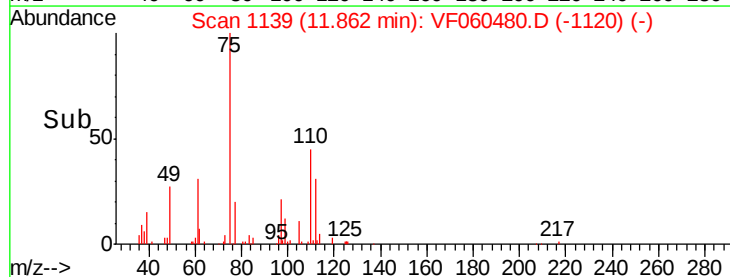
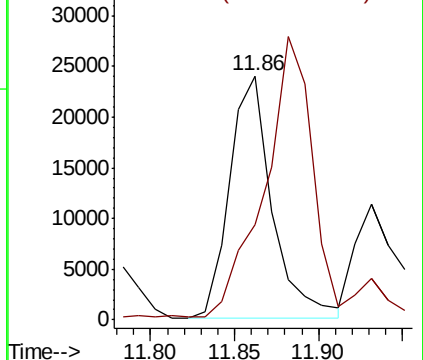
75 100

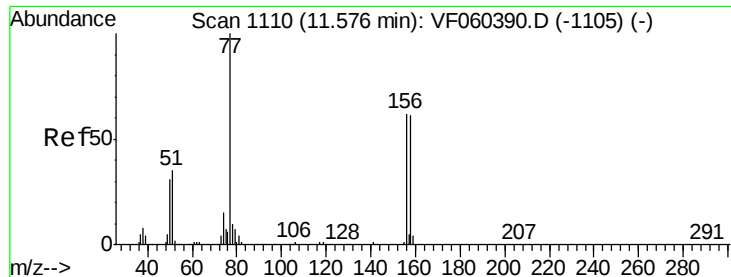
77 38.9 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.413 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

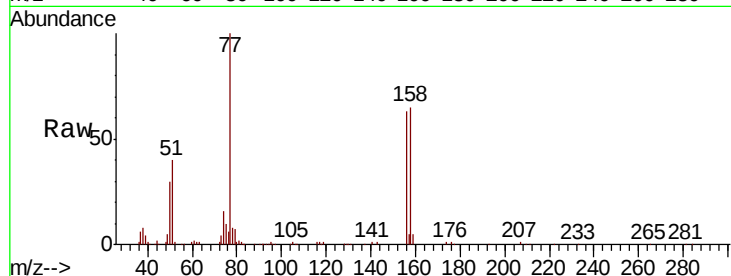
Tot Ion:156 Resp: 75462

Ion Ratio Lower Upper

156 100

77 158.0 81.3 243.9

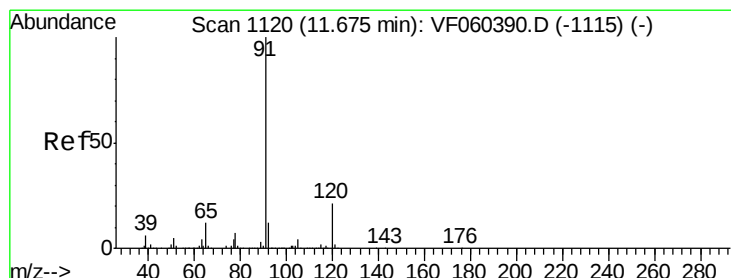
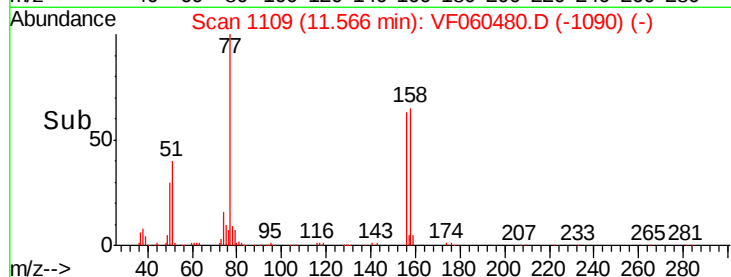
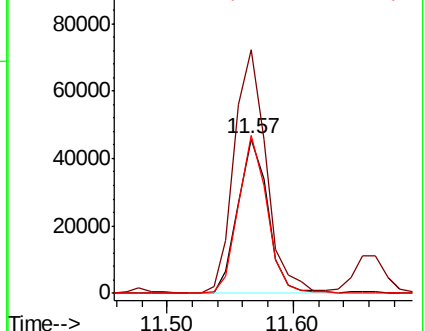
158 102.1 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.915 ug/l

RT: 11.67 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF060480.D

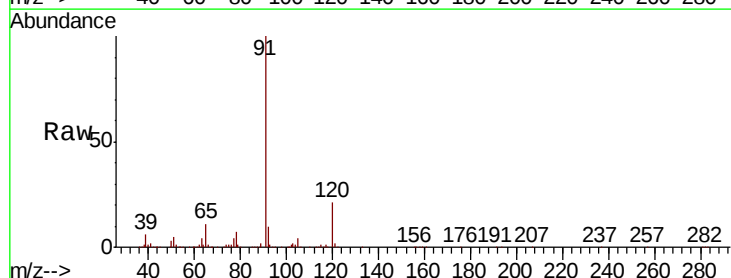
Acq: 8 Oct 2018 12:29

Tgt Ion: 91 Resp: 436679

Ion Ratio Lower Upper

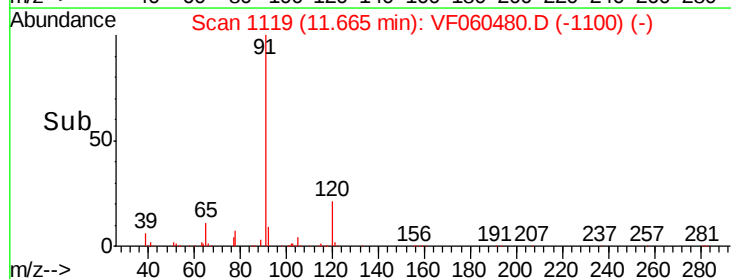
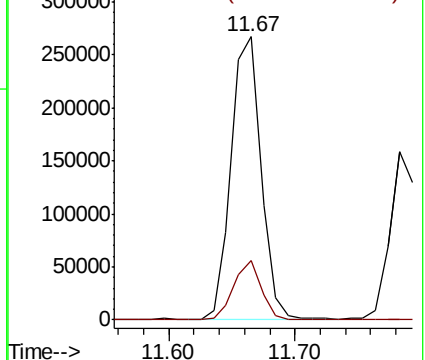
91 100

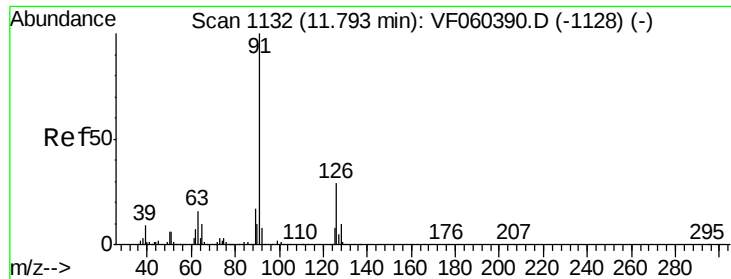
120 20.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

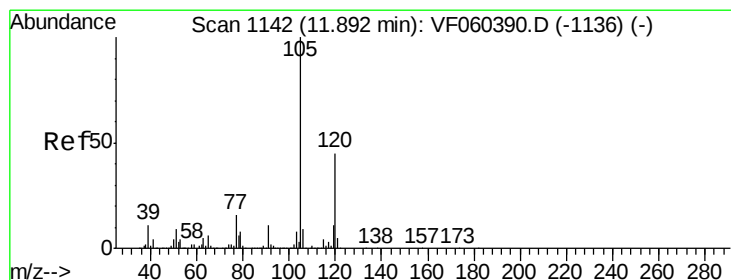
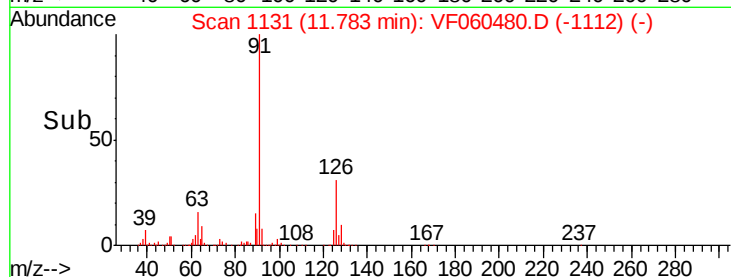
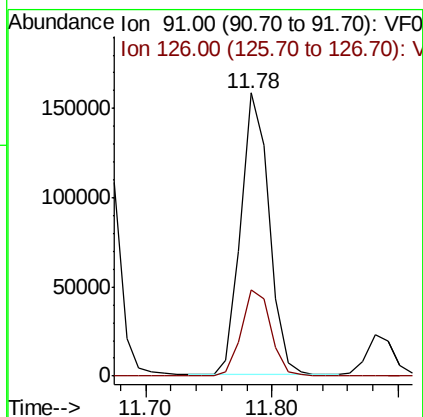
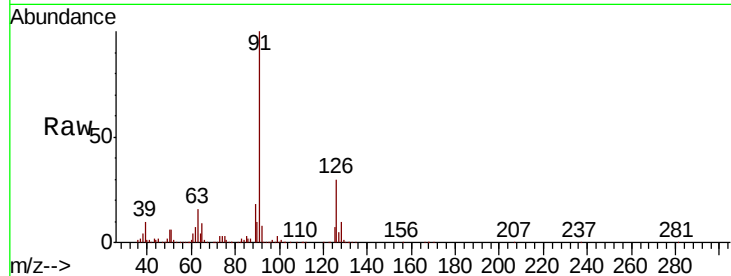




#79
 2-Chlorotoluene
 Concen: 22.961 ug/l
 RT: 11.78 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

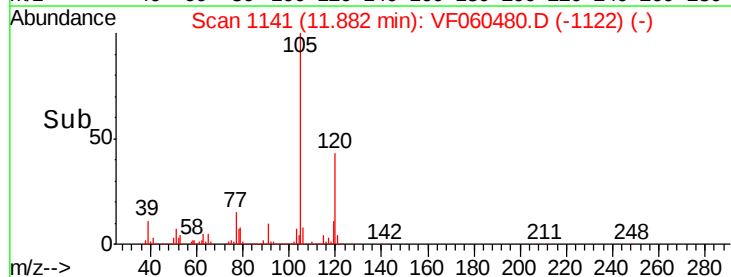
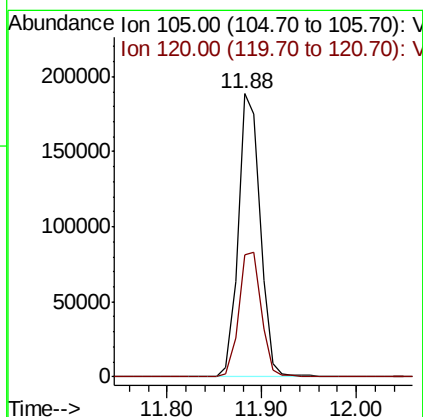
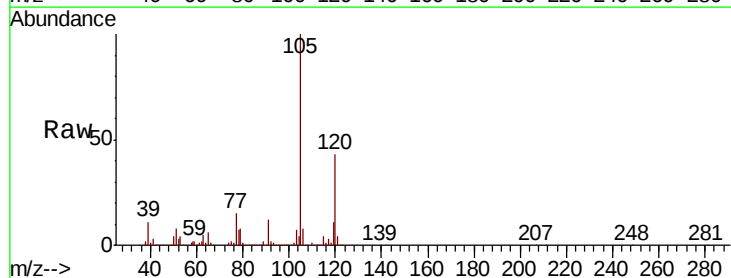
Instrument :
 MSVOA_F
 ClientSampleId :

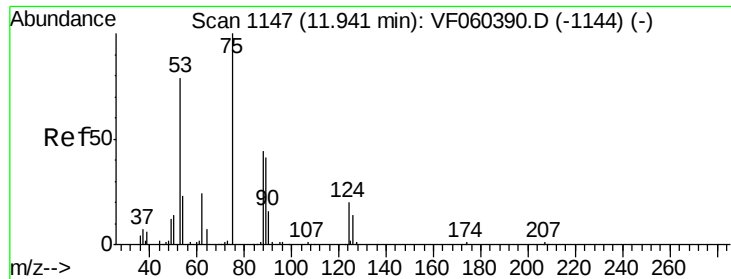
Tot Ion: 91 Resp: 245250
 Ion Ratio Lower Upper
 91 100
 126 30.4 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 23.779 ug/l
 RT: 11.88 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion: 105 Resp: 304300
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 29.543 ug/l

RT: 11.93 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

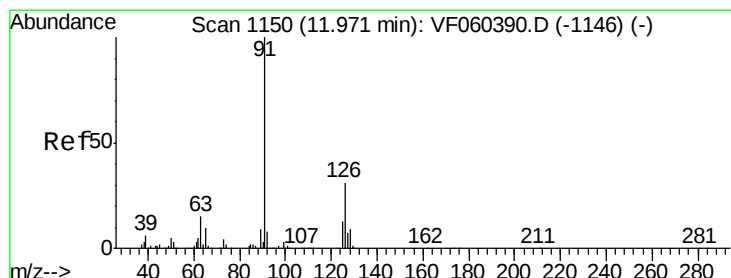
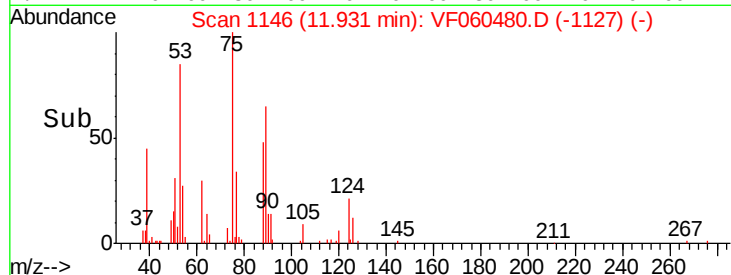
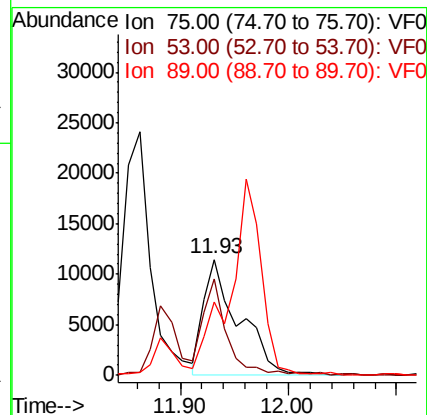
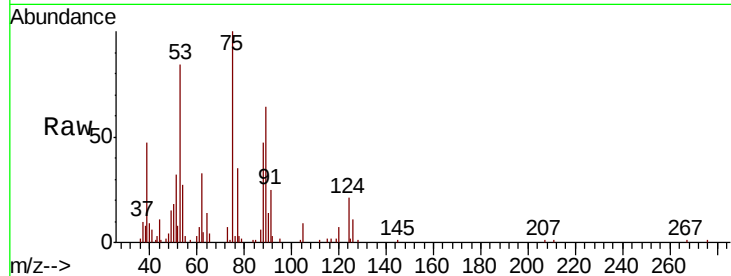
Tot Ion: 75 Resp: 26475

Ion Ratio Lower Upper

75 100

53 83.6 67.8 101.8

89 63.7 36.7 55.1#



#82

4-Chlorotoluene

Concen: 22.780 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060480.D

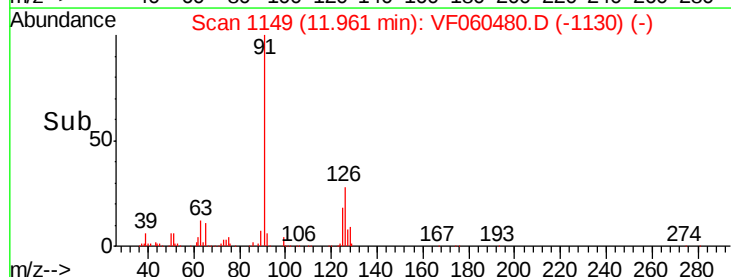
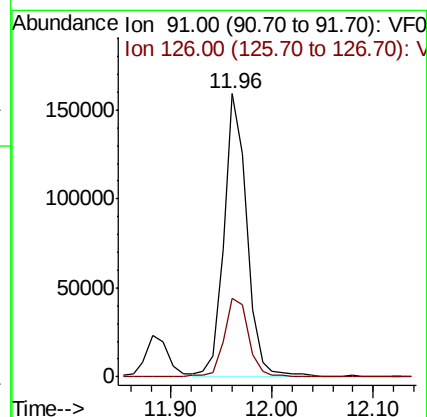
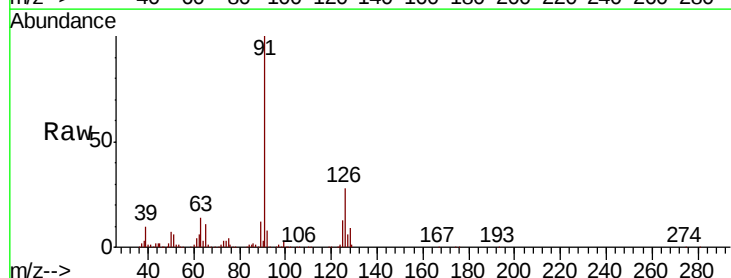
Acq: 8 Oct 2018 12:29

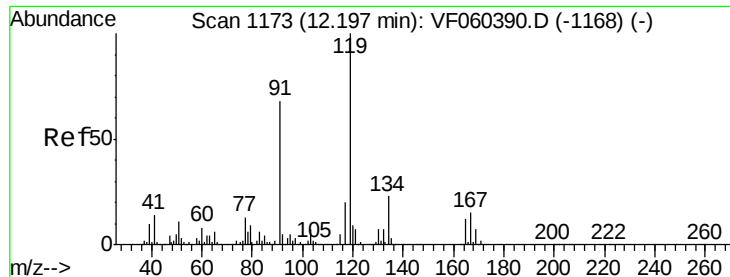
Tgt Ion: 91 Resp: 248959

Ion Ratio Lower Upper

91 100

126 27.7 15.7 47.0

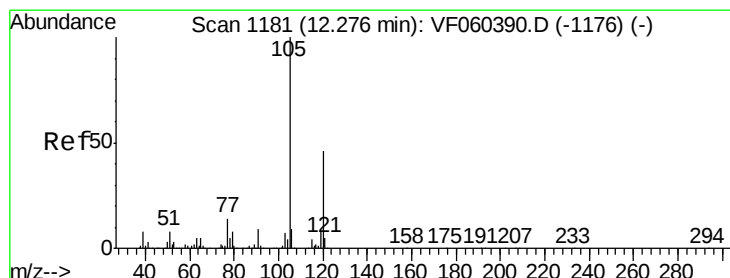
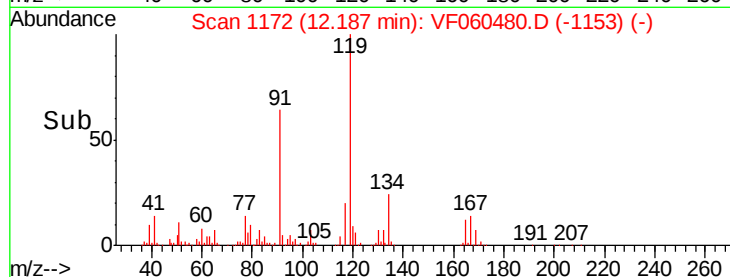
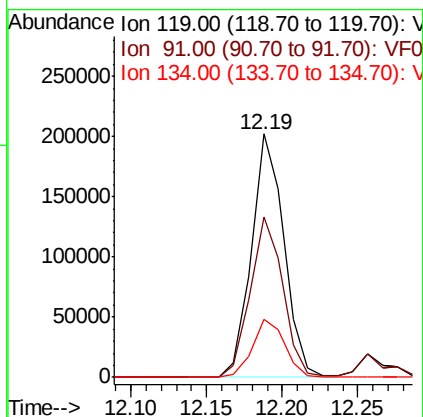
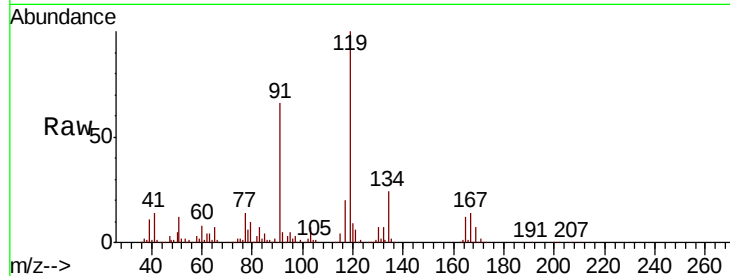




#83
 tert-Butylbenzene
 Concen: 24.118 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

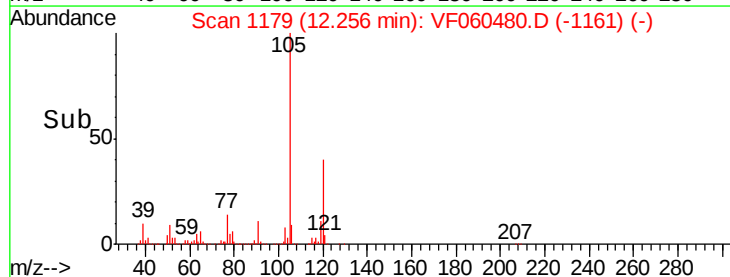
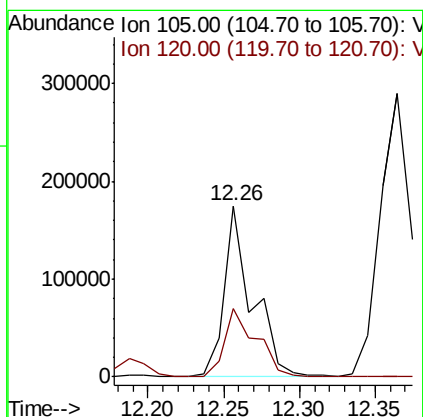
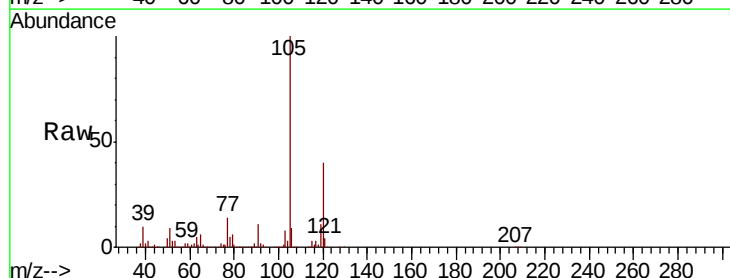
Instrument :
 MSVOA_F
 ClientSampled :

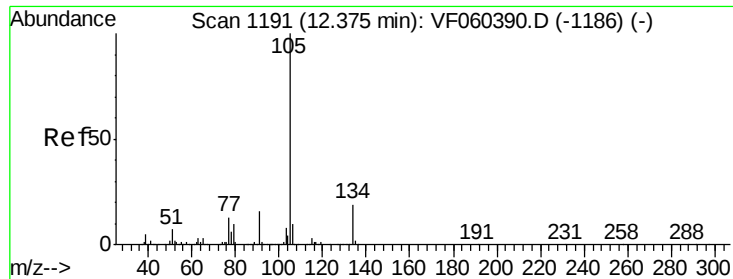
Tot Ion:119 Resp: 304415
 Ion Ratio Lower Upper
 119 100
 91 65.8 34.0 102.0
 134 23.7 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 17.823 ug/l
 RT: 12.26 min Scan# 1179
 Delta R.T. -0.02 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion:105 Resp: 226189
 Ion Ratio Lower Upper
 105 100
 120 39.8 23.1 69.2

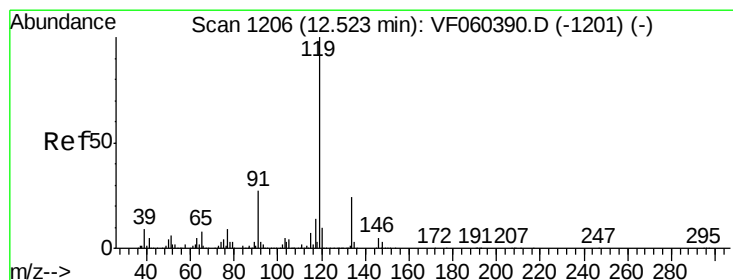
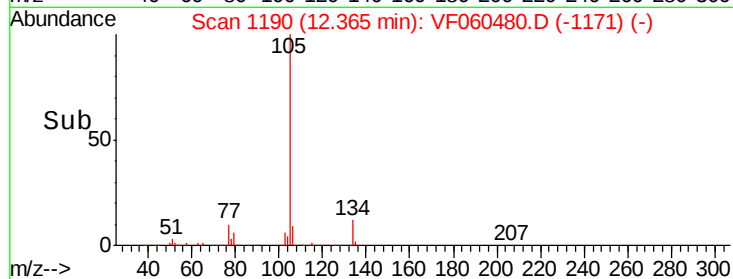
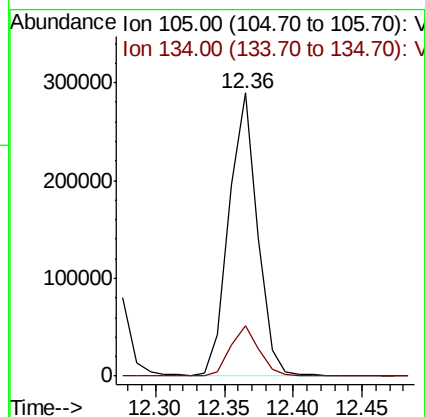
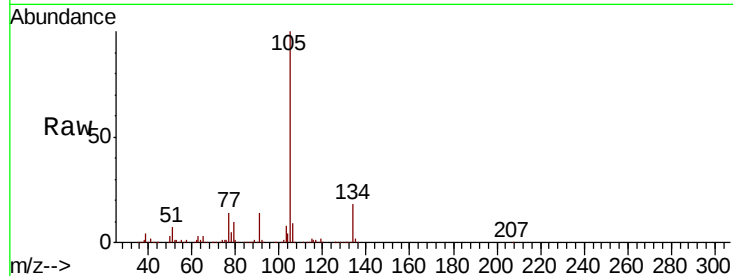




#85
 sec-Butylbenzene
 Concen: 23.863 ug/l
 RT: 12.36 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

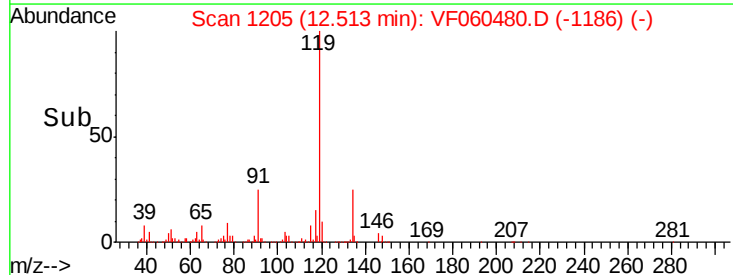
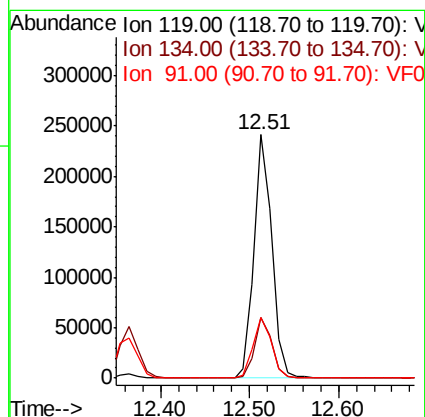
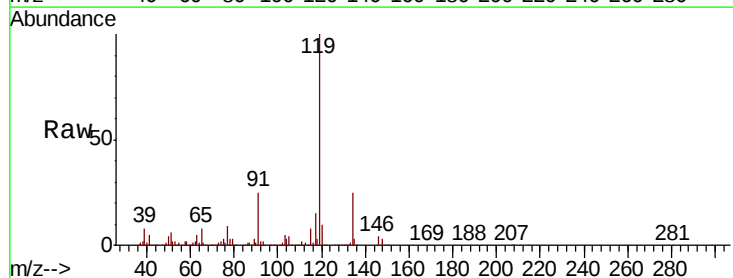
Instrument :
 MSVOA_F
 ClientSampleId :

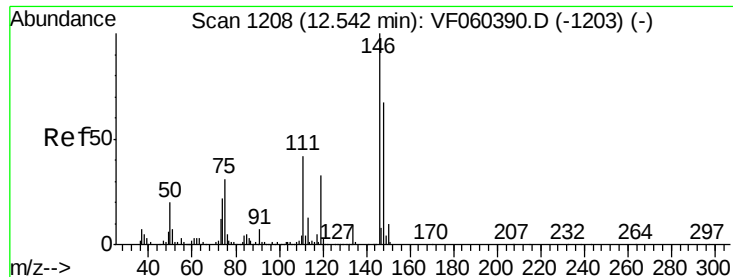
Tot Ion:105 Resp: 415736
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 23.411 ug/l
 RT: 12.51 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion:119 Resp: 333211
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.3 36.8
 91 25.0 13.5 40.4

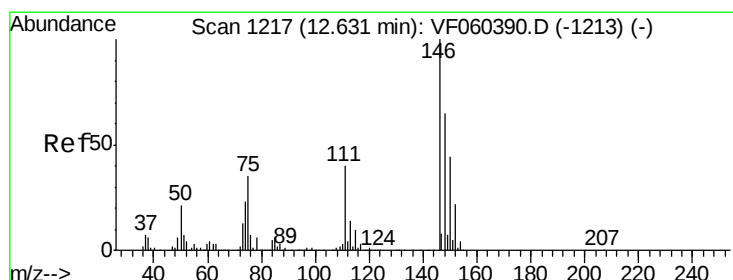
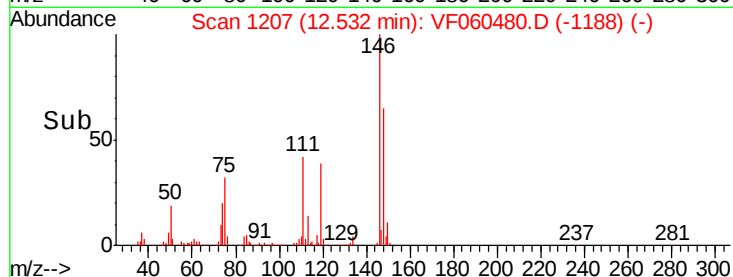
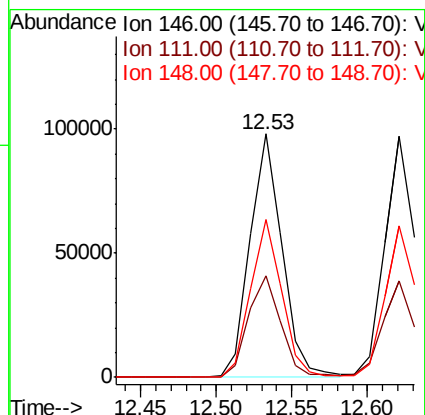
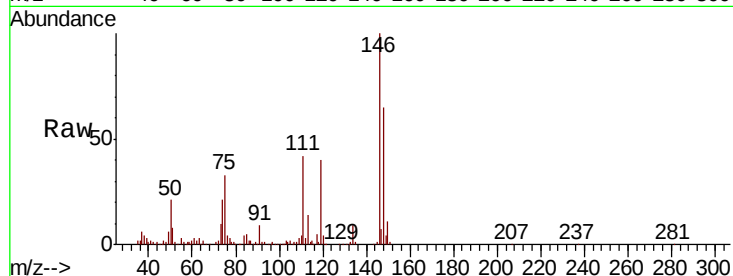




#87
 1,3-Dichlorobenzene
 Concen: 22.973 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

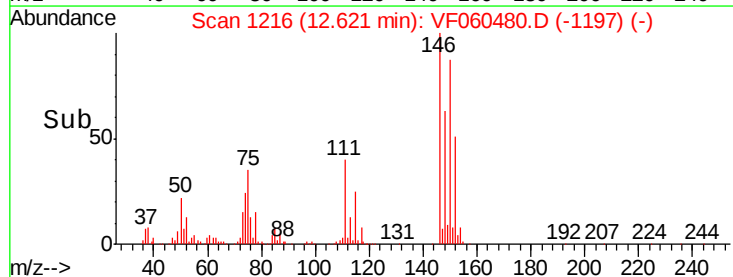
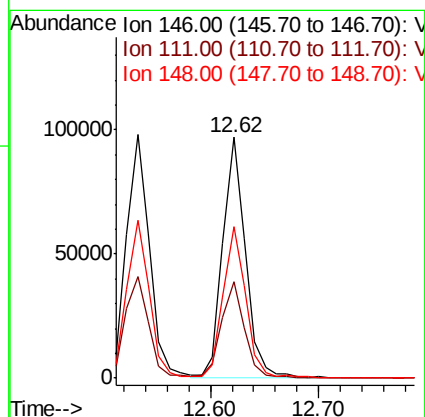
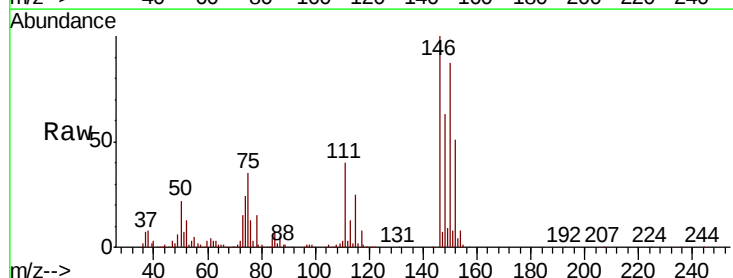
Instrument :
 MSVOA_F
 ClientSampleId :

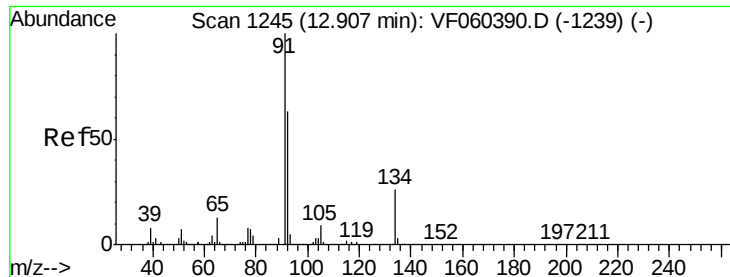
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.7
148	65.0	33.6	100.8



#88
 1,4-Dichlorobenzene
 Concen: 22.707 ug/l
 RT: 12.62 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	62.8	32.6	97.8





#89

n-Butylbenzene

Concen: 24.467 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

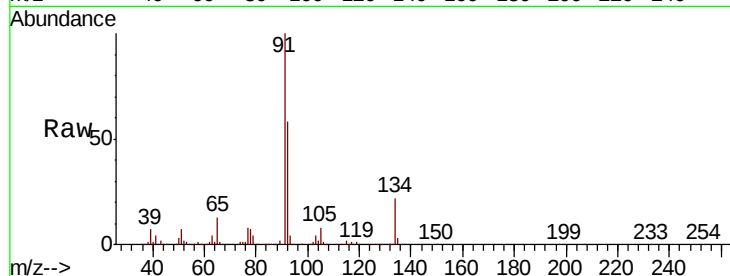
Tot Ion: 91 Resp: 368500

Ion Ratio Lower Upper

91 100

92 58.2 31.3 93.9

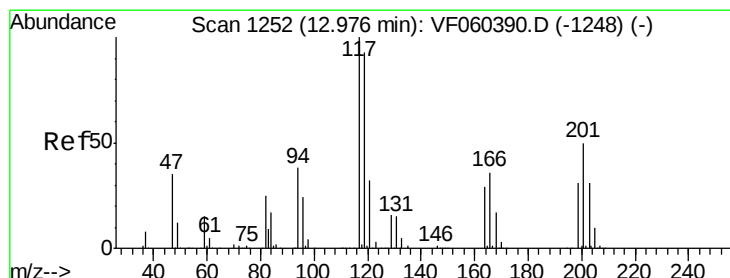
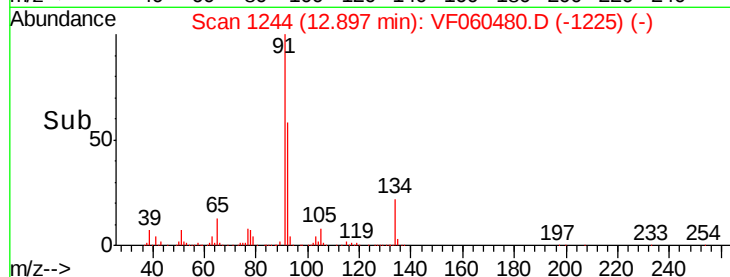
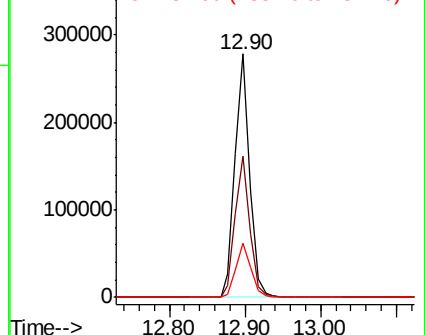
134 22.4 13.0 38.9



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: 23.674 ug/l

RT: 12.98 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VF060480.D

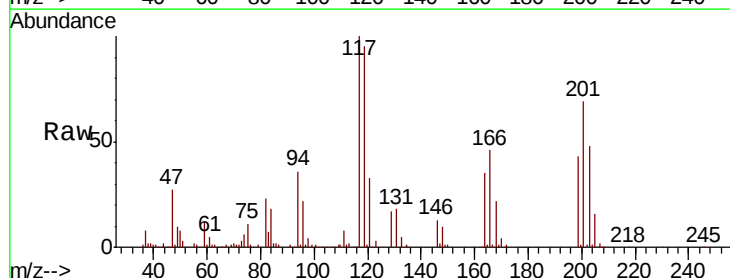
Acq: 8 Oct 2018 12:29

Tgt Ion: 117 Resp: 87088

Ion Ratio Lower Upper

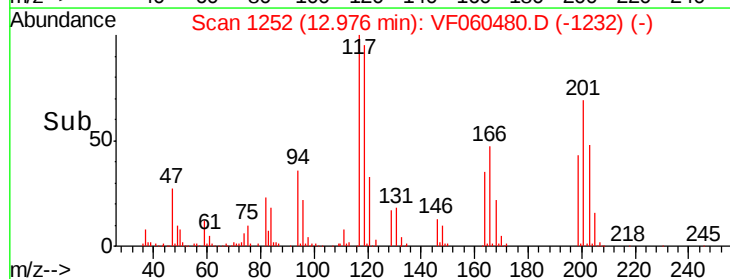
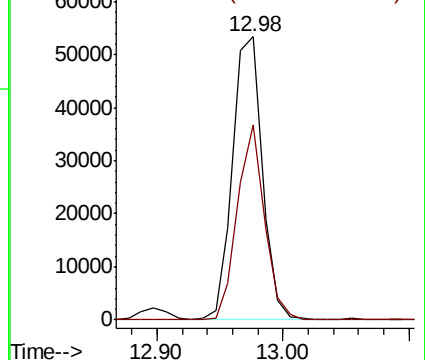
117 100

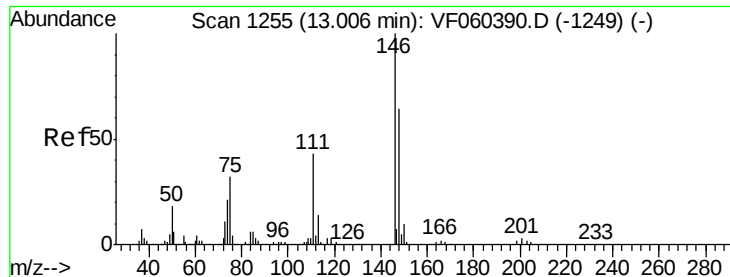
201 68.9 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

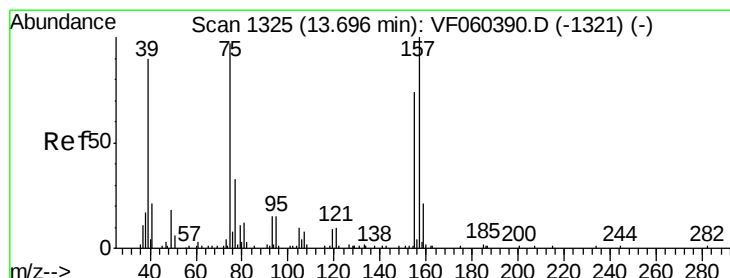
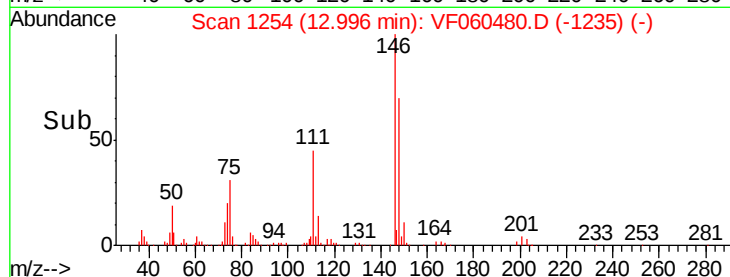
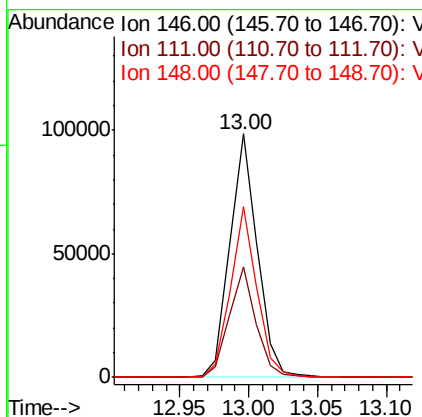
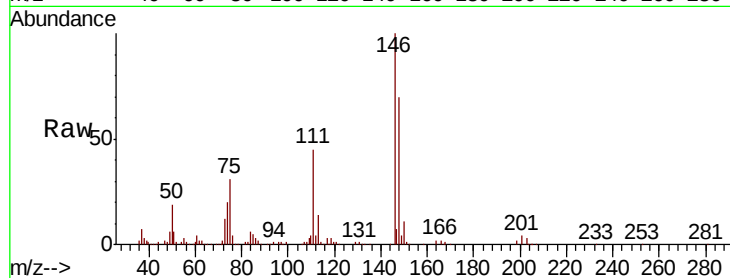




#91
 1,2-Dichlorobenzene
 Concen: 22.704 ug/l
 RT: 13.00 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

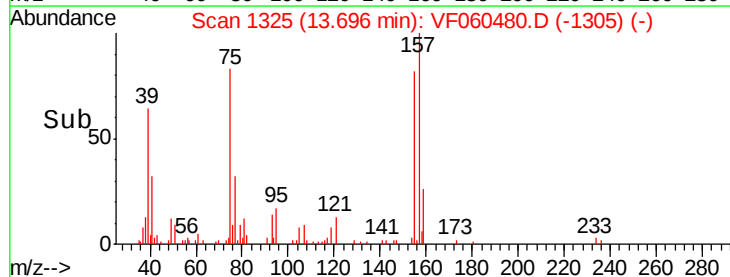
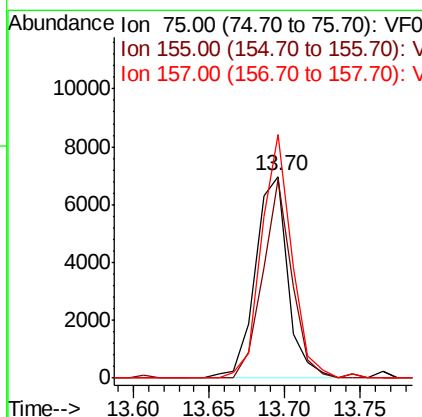
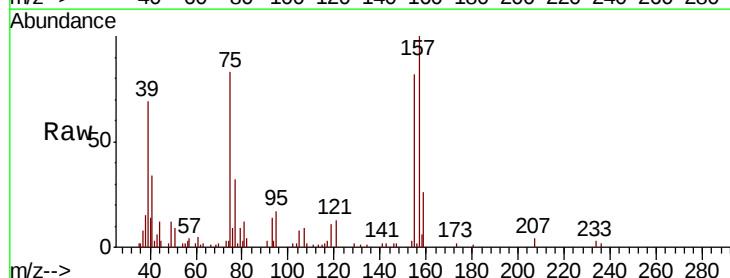
Instrument :
 MSVOA_F
 ClientSampled :

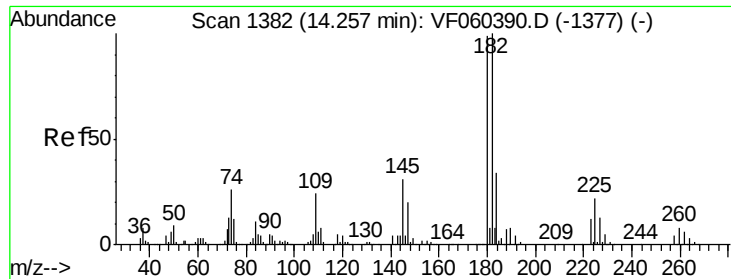
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.3	64.0
148	70.2	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.769 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	37.9	113.6
157	120.8	51.3	154.0

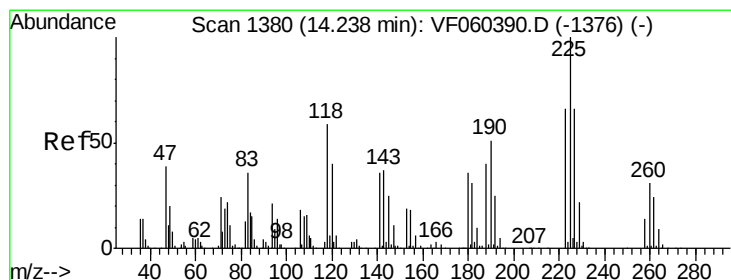
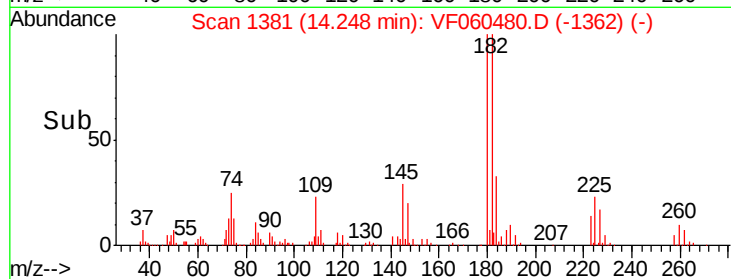
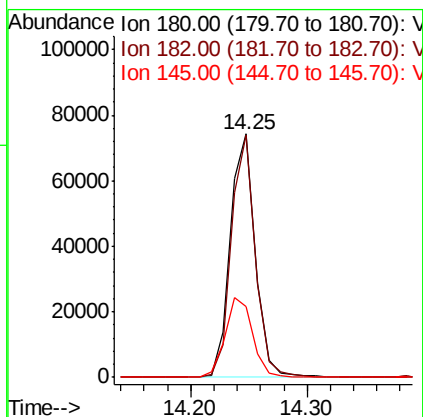
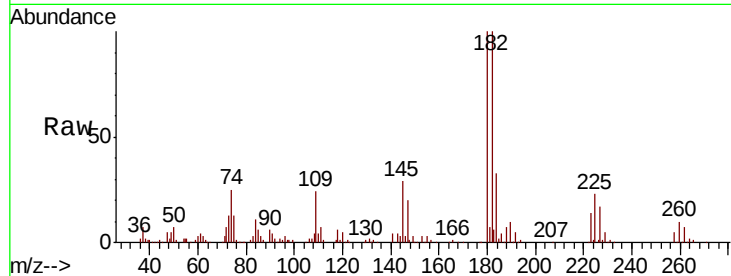




#93
 1,2,4-Trichlorobenzene
 Concen: 24.280 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

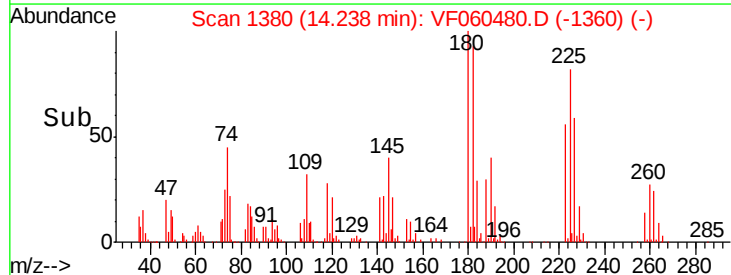
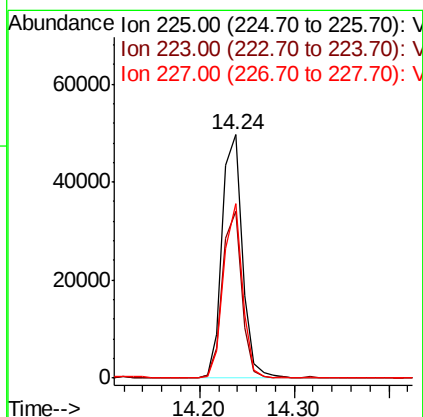
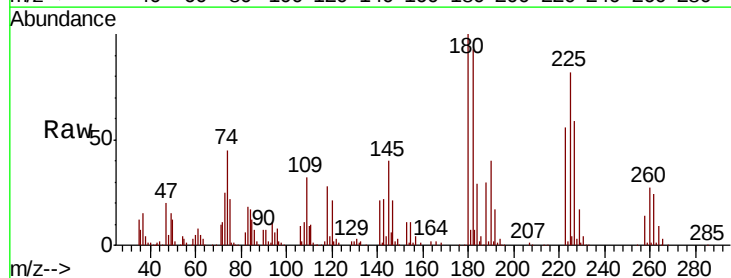
Instrument :
 MSVOA_F
 ClientSampleId :

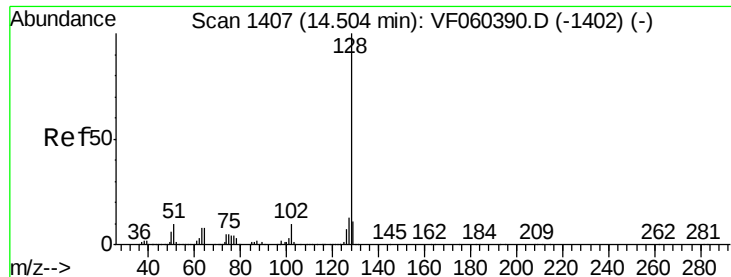
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	50.3	150.9
145	28.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 23.274 ug/l
 RT: 14.24 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VF060480.D
 Acq: 8 Oct 2018 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.6	32.8	98.4
227	71.6	33.0	99.0





#95

Naphthalene

Concen: 20.551 ug/l

RT: 14.50 min Scan# 1407

Delta R.T. 0.00 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

Instrument :

MSVOA_F

ClientSampleId :

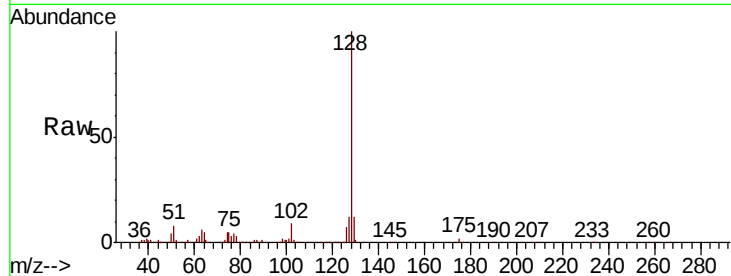
Tot Ion:128 Resp: 166716

Ion Ratio Lower Upper

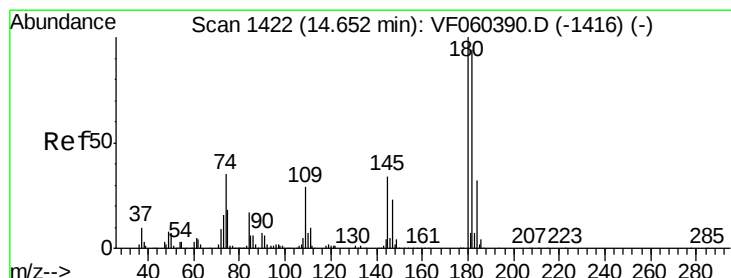
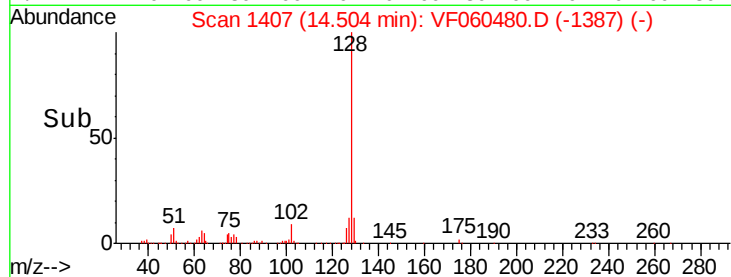
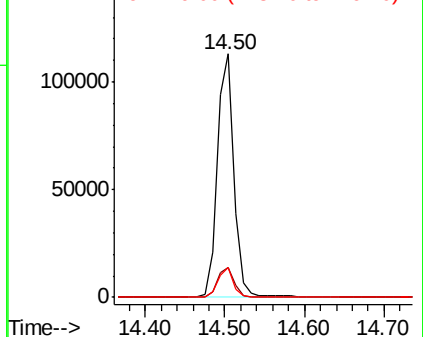
128 100

127 12.1 10.0 15.0

129 12.5 8.7 13.1



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: 23.591 ug/l

RT: 14.64 min Scan# 1421

Delta R.T. -0.01 min

Lab File: VF060480.D

Acq: 8 Oct 2018 12:29

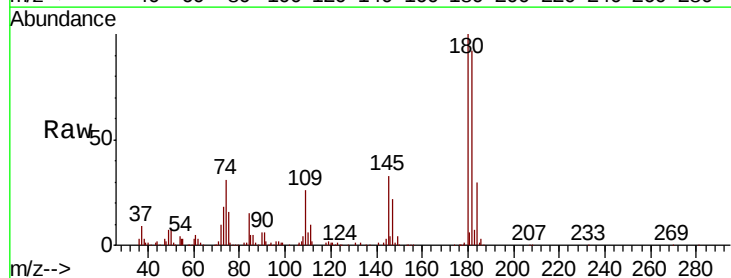
Tgt Ion:180 Resp: 100338

Ion Ratio Lower Upper

180 100

182 92.5 46.8 140.3

145 33.3 16.9 50.6



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

