

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060085.D
 Acq On : 24 Aug 2018 7:48
 Operator : VA/AP
 Sample : J4581-12MSD
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 24 08:49:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	147759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	248335	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	264404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	121609	60.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	120.28%	
35) Dibromofluoromethane	4.29	113	112352	57.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.22%	
50) Toluene-d8	7.71	98	277501	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.51	95	153433	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	105508	54.24	ug/l	98
3) Chloromethane	1.07	50	66720	53.07	ug/l	99
4) Vinyl Chloride	1.12	62	57423	47.54	ug/l	94
5) Bromomethane	1.31	94	42129	45.90	ug/l	98
6) Chloroethane	1.39	64	30163	63.35	ug/l	95
7) Trichlorofluoromethane	1.48	101	171246	70.51	ug/l	99
8) Diethyl Ether	1.70	74	22211	51.15	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.86	101	73724	57.83	ug/l	97
10) Methyl Iodide	1.92	142	76656	45.48	ug/l	88
11) Tert butyl alcohol	2.67	59	29205	271.46	ug/l #	91
12) 1,1-Dichloroethene	1.83	96	48156	51.27	ug/l	94
13) Acrolein	2.08	56	3960	80.23	ug/l	91
14) Allyl chloride	2.18	41	85443	51.22	ug/l	93
15) Acrylonitrile	3.07	53	54848	258.35	ug/l	99
16) Acetone	2.33	43	148721	279.82	ug/l	96
17) Carbon Disulfide	1.84	76	132673	45.11	ug/l	95
18) Methyl Acetate	2.45	43	97853	112.95	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	167249	55.58	ug/l	99
20) Methylene Chloride	2.28	84	62695	61.03	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	49670	47.26	ug/l	95
22) Diisopropyl ether	2.92	45	181275	48.53	ug/l	96
23) Vinyl Acetate	3.32	43	247102	124.87	ug/l	96
24) 1,1-Dichloroethane	3.00	63	128489	55.68	ug/l	99
25) 2-Butanone	4.50	43	188443	272.96	ug/l	100
26) 2,2-Dichloropropane	3.76	77	114982	48.16	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	84908	57.01	ug/l	98
28) Bromochloromethane	3.89	49	55942	57.42	ug/l	83
29) Tetrahydrofuran	4.24	42	76033	291.70	ug/l	96
30) Chloroform	4.03	83	196857	60.77	ug/l	95
31) Cyclohexane	3.86	56	86827	49.38	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	173318	62.48	ug/l	98
36) 1,1-Dichloropropene	4.46	75	113429	48.60	ug/l	99
37) Ethyl Acetate	4.28	43	55302	39.62	ug/l #	85
38) Carbon Tetrachloride	4.16	117	147133	54.45	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	95795	43.78	ug/l	87
40) Benzene	4.81	78	251407	49.32	ug/l	96
41) Methacrylonitrile	4.91	41	35924	50.89	ug/l	94
42) 1,2-Dichloroethane	5.11	62	150529	55.07	ug/l	98
43) Isopropyl Acetate	7.11	43	61036	34.75	ug/l #	99
44) Trichloroethene	5.67	130	83748	49.69	ug/l	97
45) 1,2-Dichloropropane	6.40	63	79473	55.11	ug/l	97
46) Dibromomethane	6.25	93	66187	58.66	ug/l	97
47) Bromodichloromethane	6.55	83	153962	56.49	ug/l	94
48) Methyl methacrylate	6.86	41	72036	61.97	ug/l	97
49) 1,4-Dioxane	6.86	88	11091	993.92	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	435839	287.31	ug/l	99
52) Toluene	7.78	92	183609	56.64	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	121915	49.33	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	142700	51.73	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	82752	60.16	ug/l	94
56) Ethyl methacrylate	8.76	69	74947	45.01	ug/l	92
57) 1,3-Dichloropropane	9.00	76	138768	57.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	34164	258.50	ug/l	100
59) 2-Hexanone	9.62	43	338734	275.90	ug/l	94
60) Dibromochloromethane	8.86	129	118944	58.58	ug/l	98
61) 1,2-Dibromoethane	9.13	107	95348	59.02	ug/l	96
64) Tetrachloroethene	8.30	164	97848	54.94	ug/l	98
65) Chlorobenzene	9.94	112	251422	50.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	101186	53.43	ug/l	97
67) Ethyl Benzene	10.04	91	428123	49.70	ug/l	100
68) m/p-Xylenes	10.26	106	308785	110.90	ug/l	99
69) o-Xylene	10.83	106	174077	51.58	ug/l	96
70) Styrene	10.90	104	176842	34.15	ug/l	97
71) Bromoform	10.89	173	74934	56.72	ug/l	96
73) Isopropylbenzene	11.23	105	496327	52.08	ug/l	99
74) N-amyl acetate	11.47	43	97448	32.90	ug/l #	93
75) 1,1,1,2-Tetrachloroethane	11.78	83	127875	61.44	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	95404	59.11	ug/l	96
77) Bromobenzene	11.59	156	130590	50.39	ug/l	96
78) n-propylbenzene	11.68	91	595331	50.61	ug/l	98
79) 2-Chlorotoluene	11.81	91	346776	50.14	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	424605	51.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	50750	68.72	ug/l	96
82) 4-Chlorotoluene	11.99	91	386019	51.41	ug/l	98
83) tert-Butylbenzene	12.22	119	410860	50.74	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	418542	47.42	ug/l	98
85) sec-Butylbenzene	12.38	105	553844	49.13	ug/l	97
86) p-Isopropyltoluene	12.54	119	450068	48.12	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	237031	49.46	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	236681	49.70	ug/l	96
89) n-Butylbenzene	12.92	91	432338	47.58	ug/l	98
90) Hexachloroethane	12.99	117	110063	52.37	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	229992	49.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25673	60.36	ug/l	97

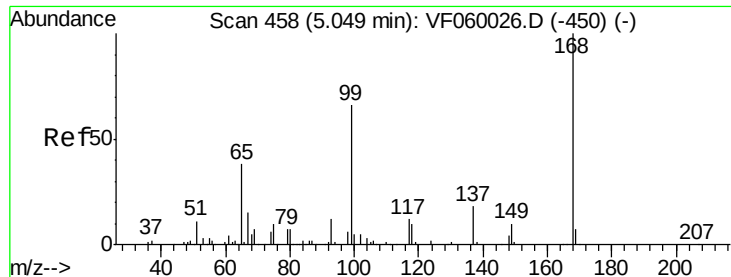
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082318\
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QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	149481	44.05	ug/l	96
94) Hexachlorobutadiene	14.26	225	88633	41.96	ug/l	99
95) Naphthalene	14.52	128	259025	44.26	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	152520	47.10	ug/l	97

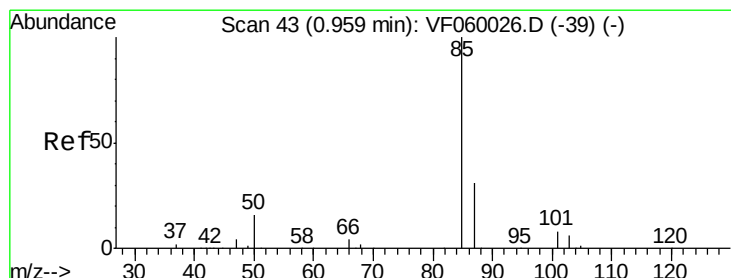
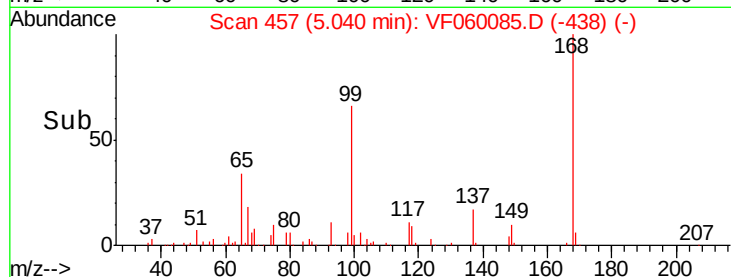
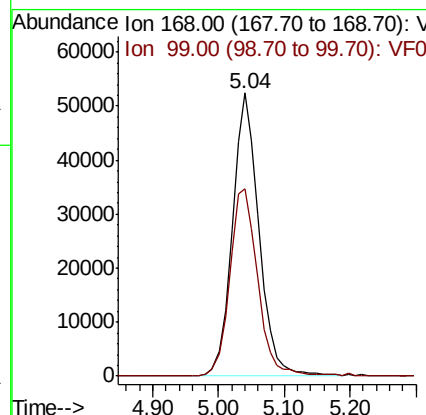
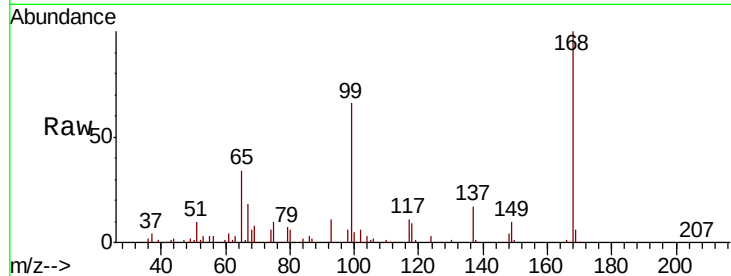
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.04 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

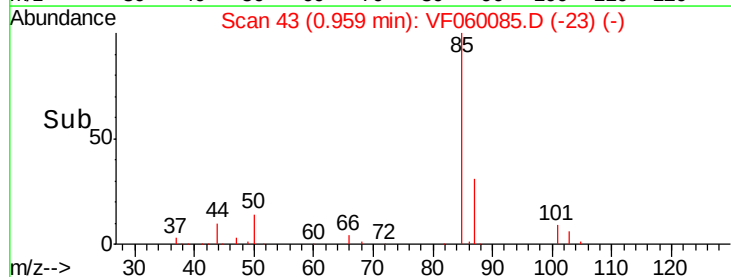
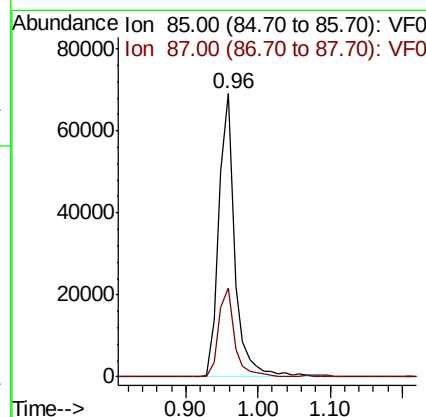
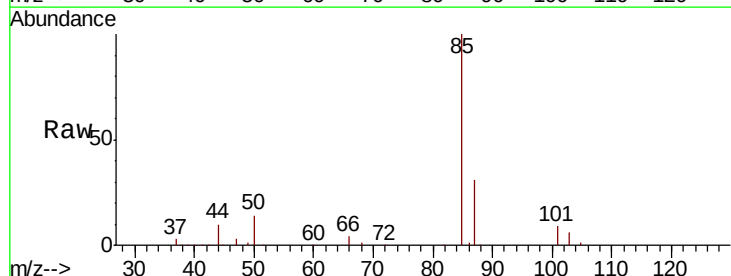
Instrument :
MSVOA_F
ClientSampleId :

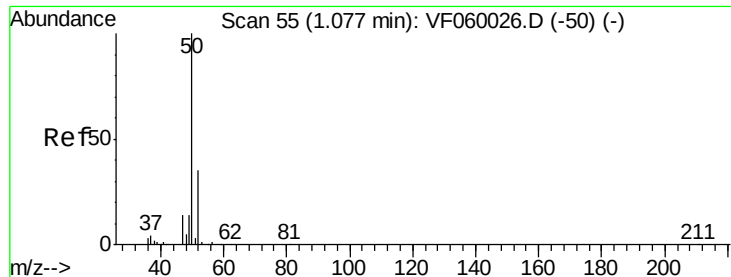
Tot Ion:168 Resp: 147759
Ion Ratio Lower Upper
168 100
99 66.2 52.6 79.0



#2
Dichlorodifluoromethane
Concen: 54.24 ug/l
RT: 0.96 min Scan# 43
Delta R.T. 0.00 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 85 Resp: 105508
Ion Ratio Lower Upper
85 100
87 31.5 15.3 45.9





#3

Chloromethane

Concen: 53.07 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

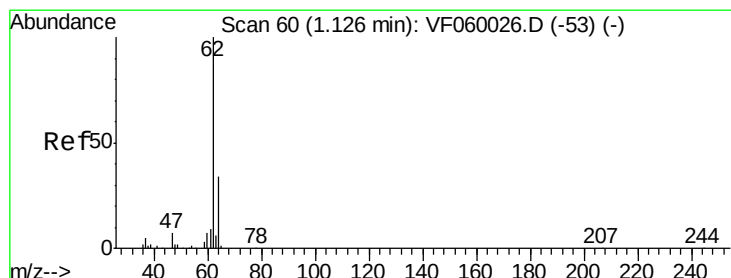
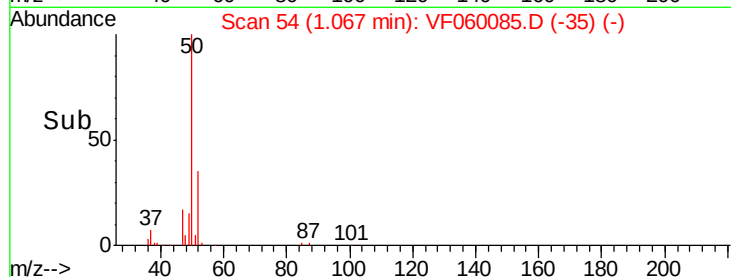
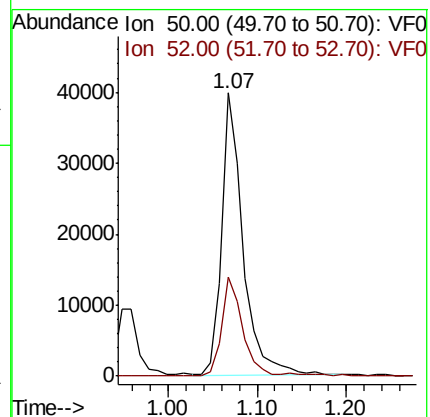
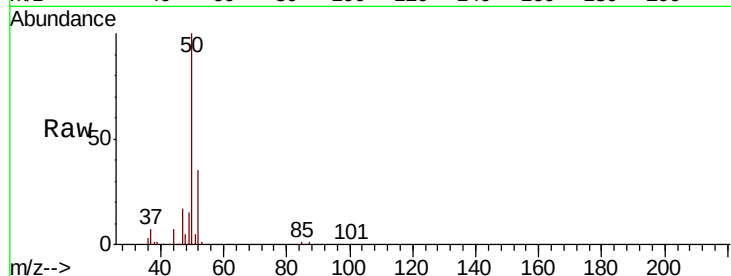
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 66720

Ion Ratio Lower Upper

50 100

52 34.9 27.6 41.4



#4

Vinyl Chloride

Concen: 47.54 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060085.D

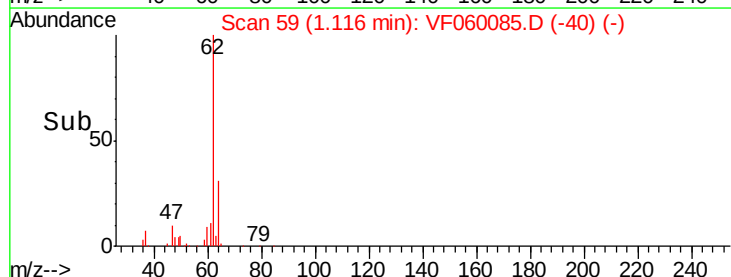
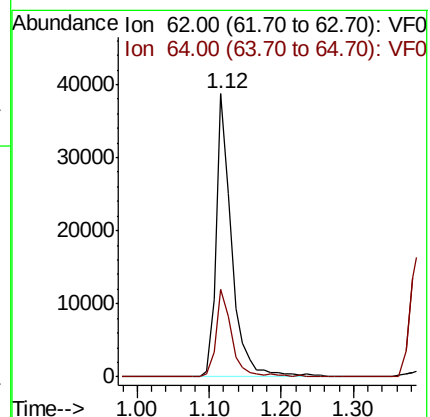
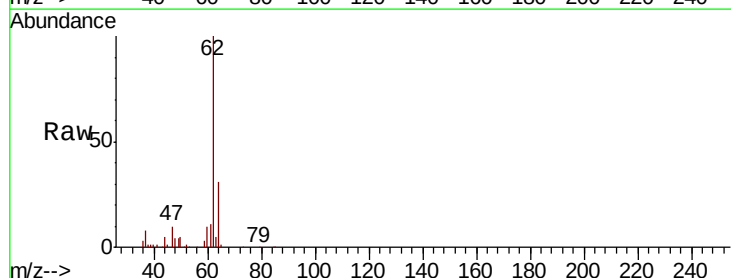
Acq: 24 Aug 2018 7:48

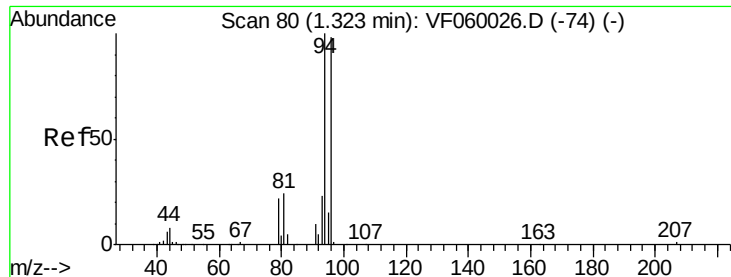
Tgt Ion: 62 Resp: 57423

Ion Ratio Lower Upper

62 100

64 31.0 27.4 41.2





#5

Bromomethane

Concen: 45.90 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

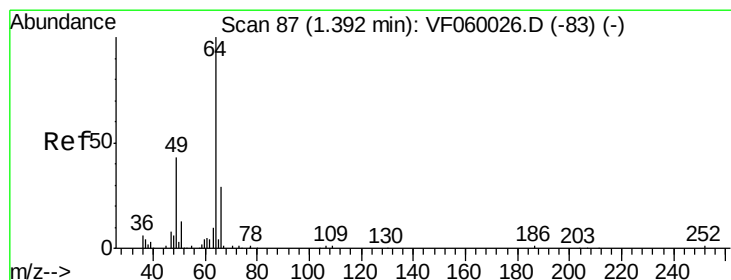
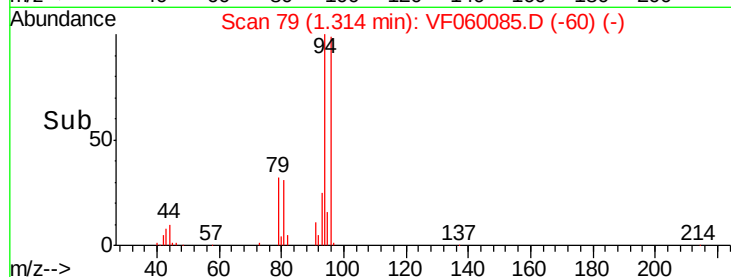
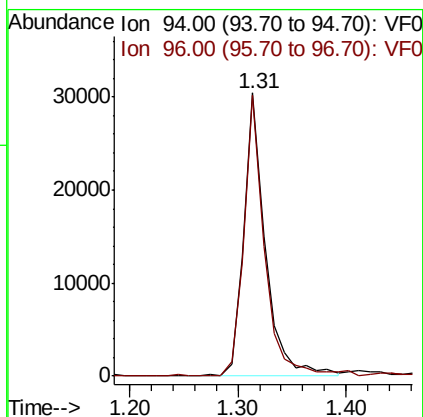
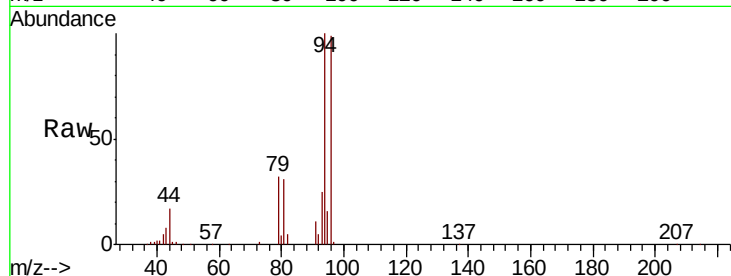
ClientSampleId :

Tot Ion: 94 Resp: 42129

Ion Ratio Lower Upper

94 100

96 100.0 78.6 118.0



#6

Chloroethane

Concen: 63.35 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060085.D

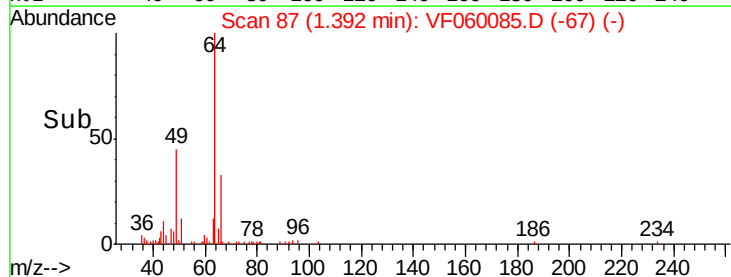
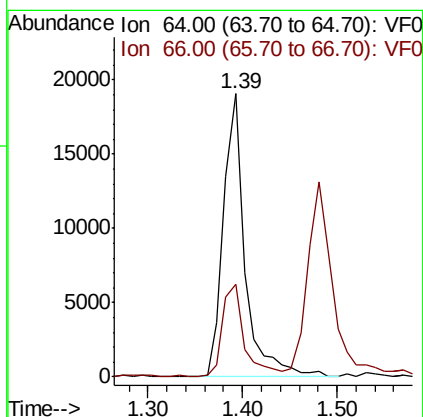
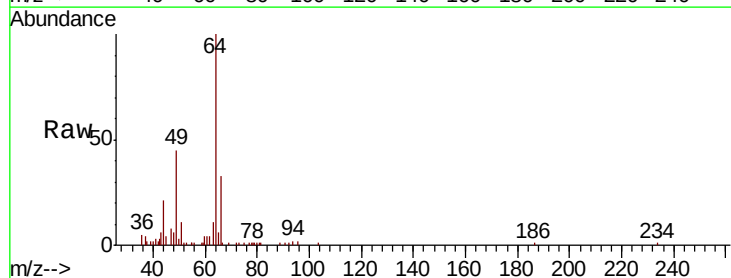
Acq: 24 Aug 2018 7:48

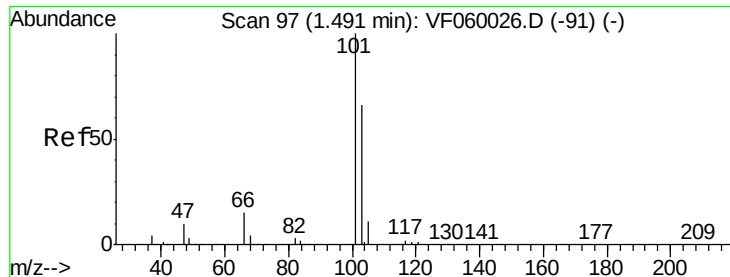
Tgt Ion: 64 Resp: 30163

Ion Ratio Lower Upper

64 100

66 32.9 24.1 36.1





#7

Trichlorofluoromethane

Concen: 70.51 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

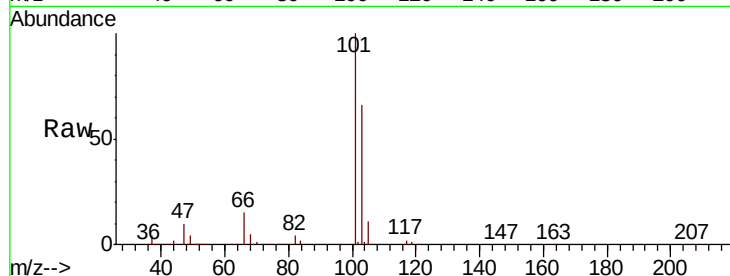
ClientSampleId :

Tot Ion:101 Resp: 171246

Ion Ratio Lower Upper

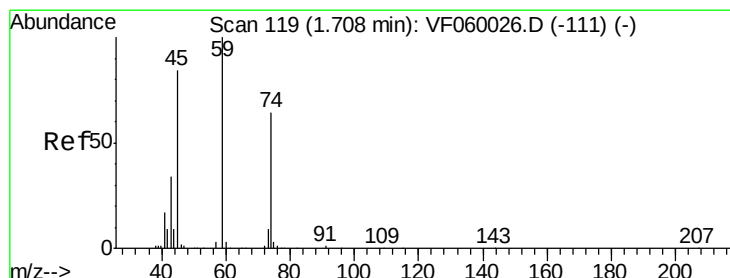
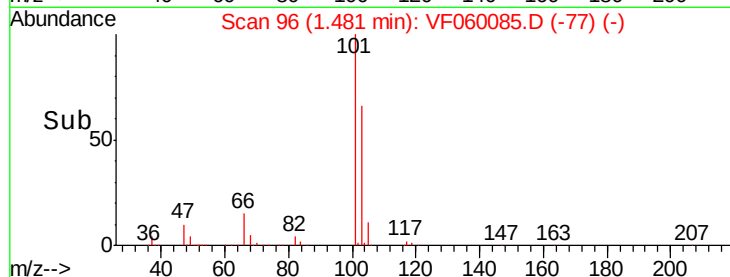
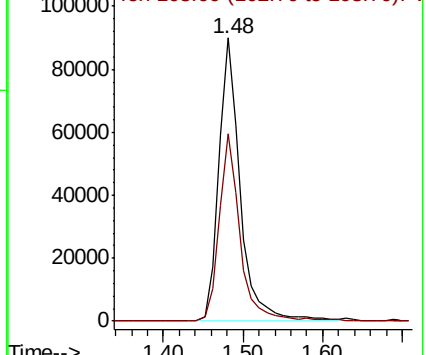
101 100

103 66.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.15 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060085.D

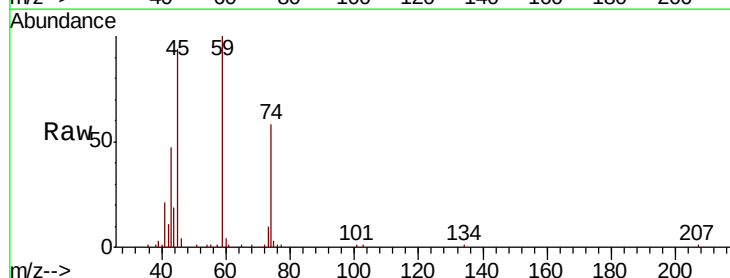
Acq: 24 Aug 2018 7:48

Tgt Ion: 74 Resp: 22211

Ion Ratio Lower Upper

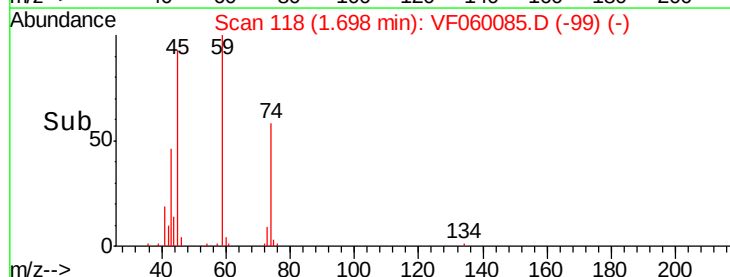
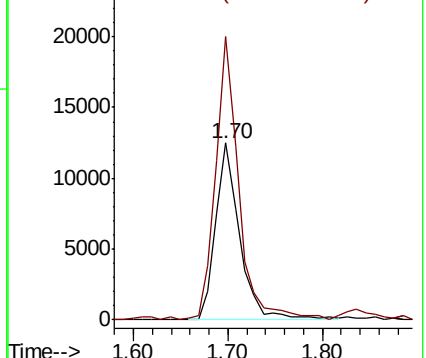
74 100

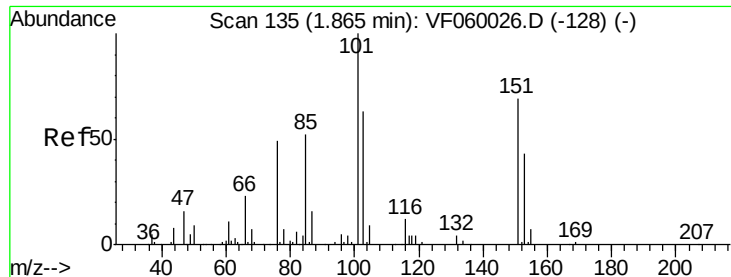
45 160.3 66.0 198.0



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: 57.83 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

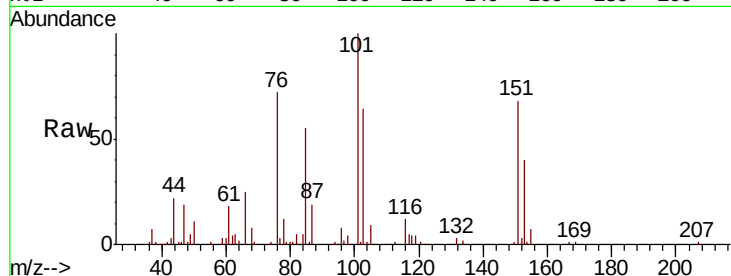
Tot Ion:101 Resp: 73724

Ion Ratio Lower Upper

101 100

85 55.1 41.5 62.3

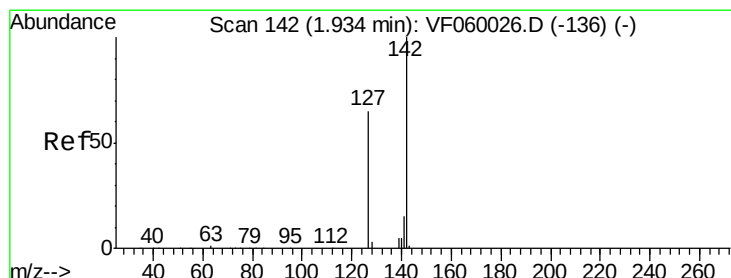
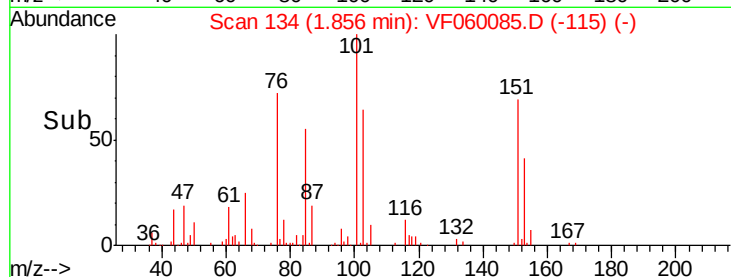
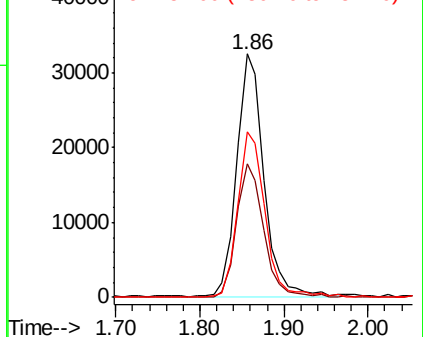
151 68.2 55.2 82.8



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: 45.48 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

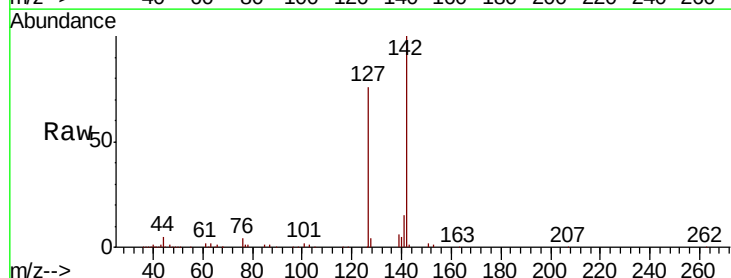
Tgt Ion:142 Resp: 76656

Ion Ratio Lower Upper

142 100

127 76.5 51.8 77.6

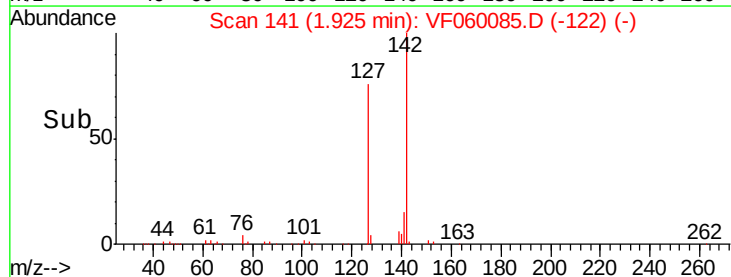
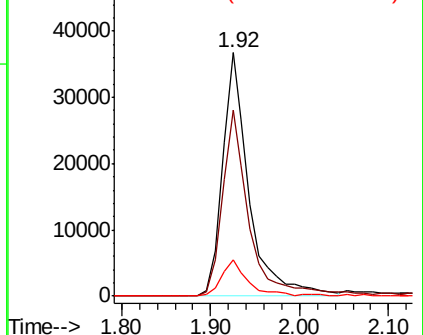
141 15.0 11.9 17.9

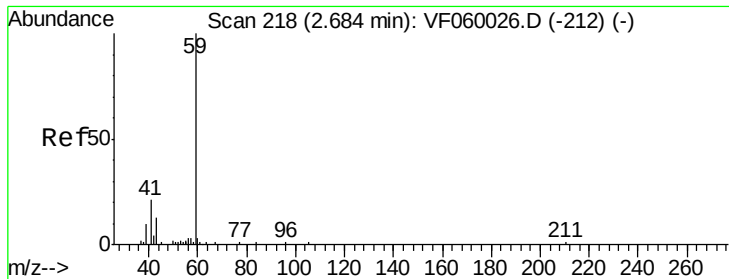


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



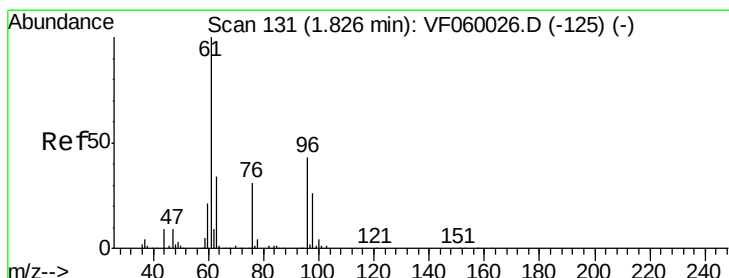
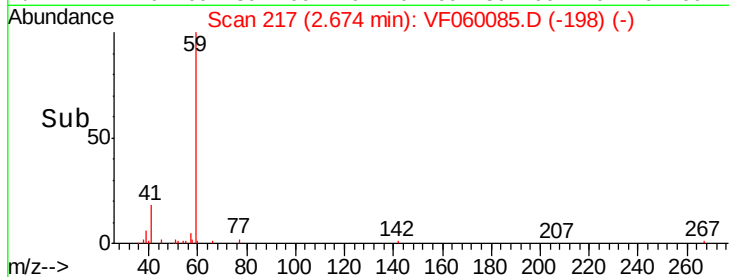
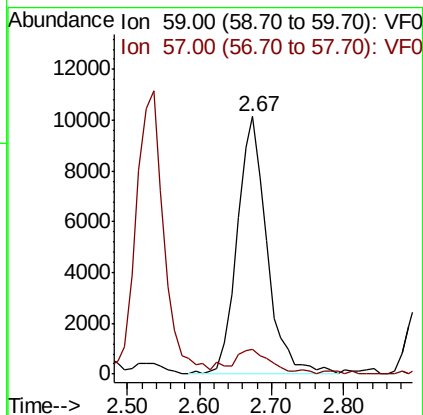
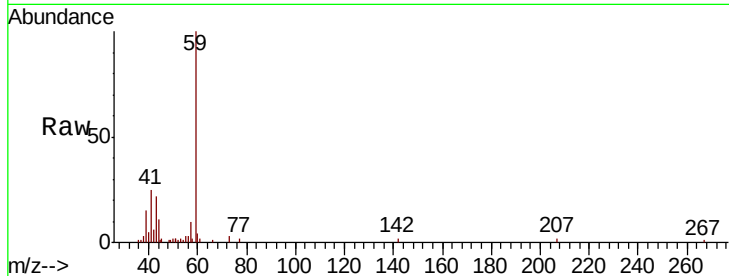


#11

Tert butyl alcohol
 Concen: 271.46 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :

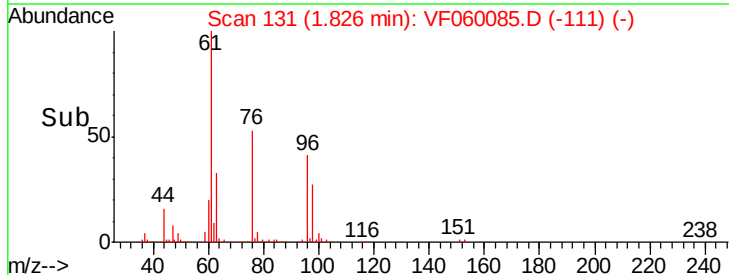
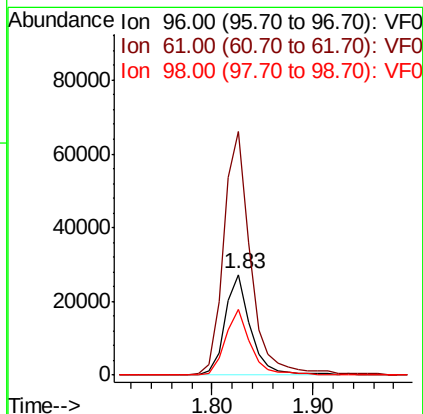
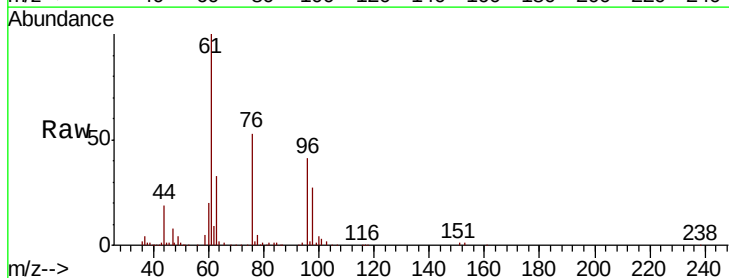
Tot Ion: 59 Resp: 29205
 Ion Ratio Lower Upper
 59 100
 57 9.8 5.4 8.2#

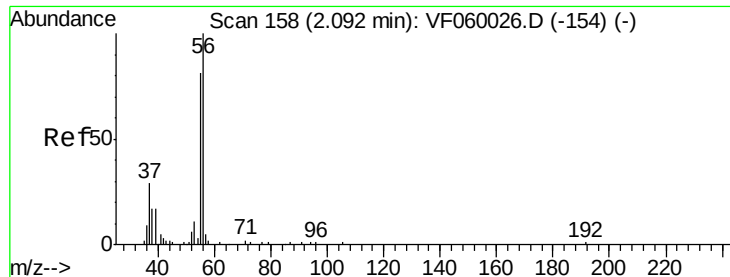


#12

1,1-Dichloroethene
 Concen: 51.27 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion: 96 Resp: 48156
 Ion Ratio Lower Upper
 96 100
 61 241.6 185.0 277.6
 98 65.2 47.8 71.8





#13

Acrolein

Concen: 80.23 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

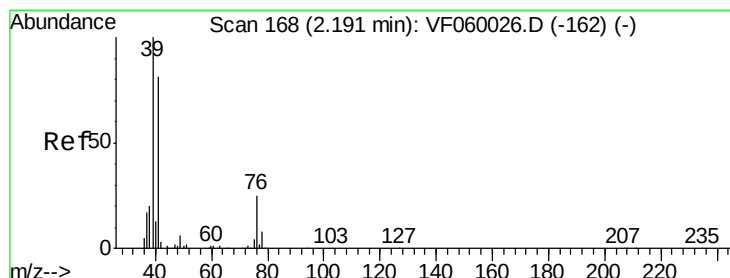
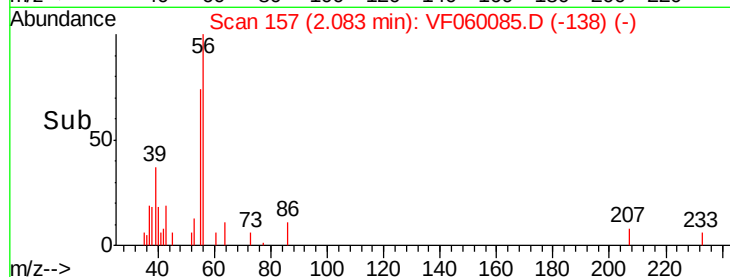
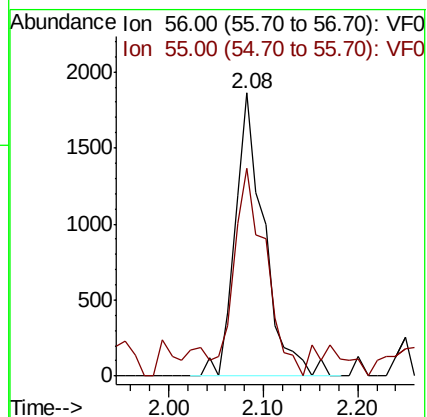
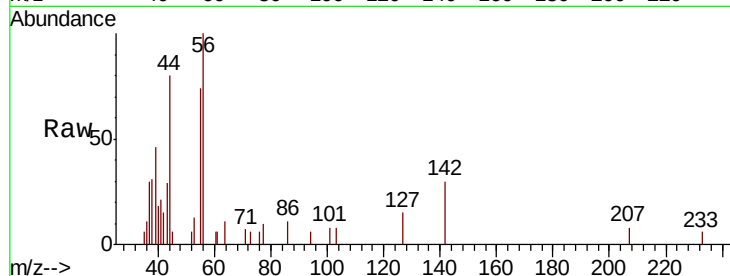
ClientSampleId :

Tot Ion: 56 Resp: 3960

Ion Ratio Lower Upper

56 100

55 73.5 65.6 98.4



#14

Allyl chloride

Concen: 51.22 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

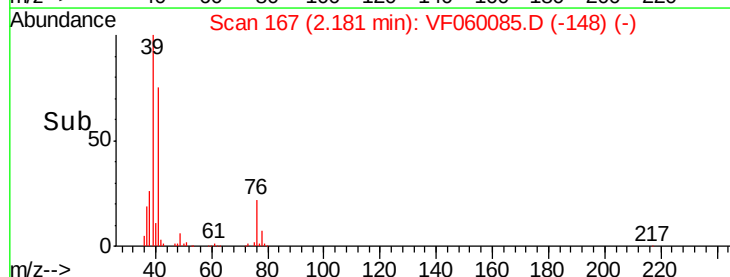
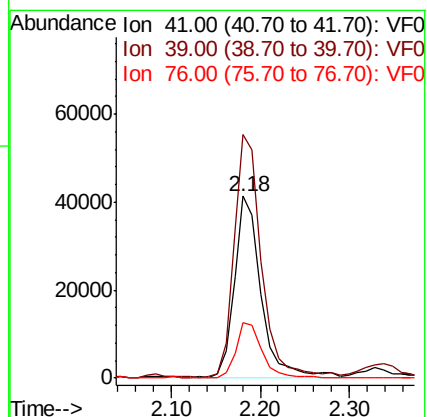
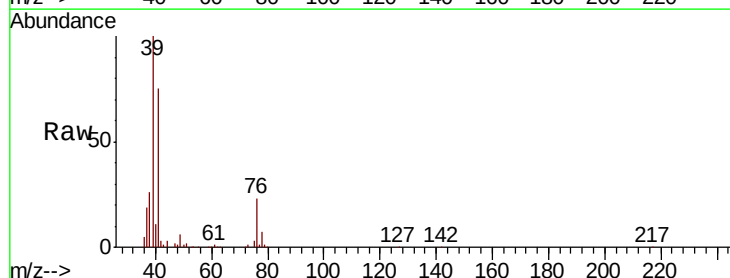
Tgt Ion: 41 Resp: 85443

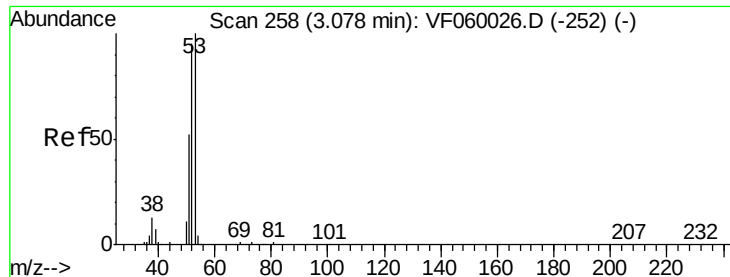
Ion Ratio Lower Upper

41 100

39 133.9 99.3 148.9

76 30.7 24.3 36.5





#15

Acrylonitrile

Concen: 258.35 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :

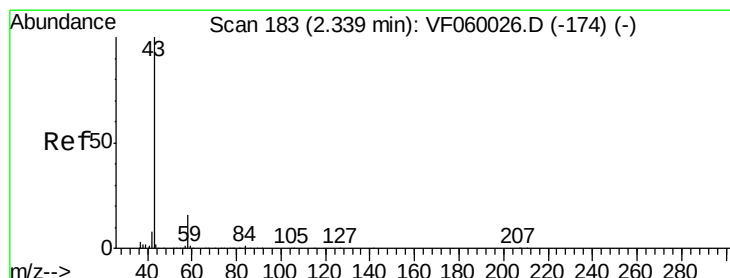
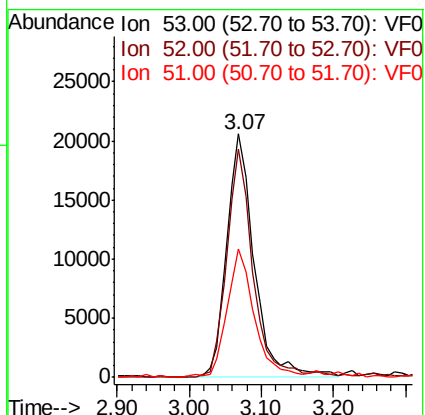
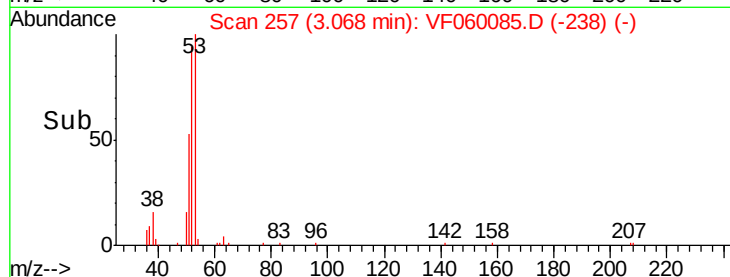
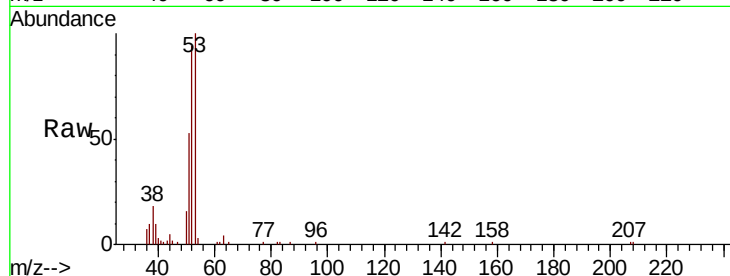
Tot Ion: 53 Resp: 54848

Ion Ratio Lower Upper

53 100

52 93.7 75.8 113.8

51 52.7 42.1 63.1



#16

Acetone

Concen: 279.82 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060085.D

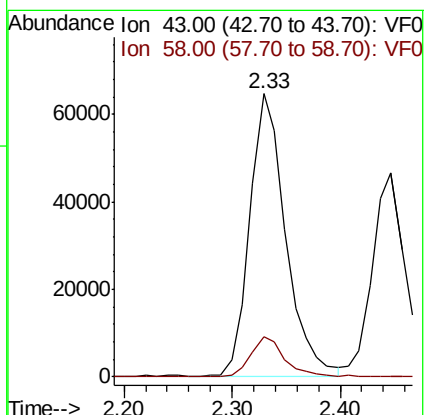
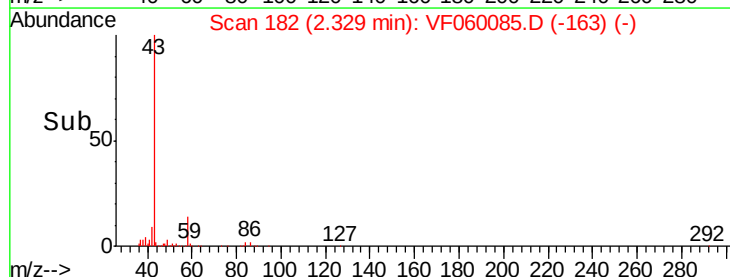
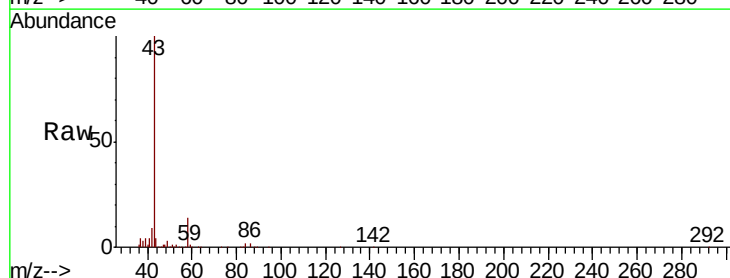
Acq: 24 Aug 2018 7:48

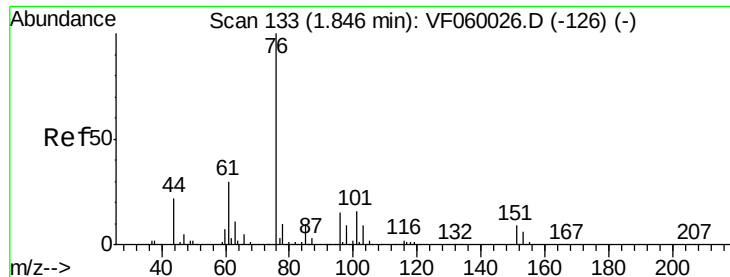
Tgt Ion: 43 Resp: 148721

Ion Ratio Lower Upper

43 100

58 14.2 12.6 19.0

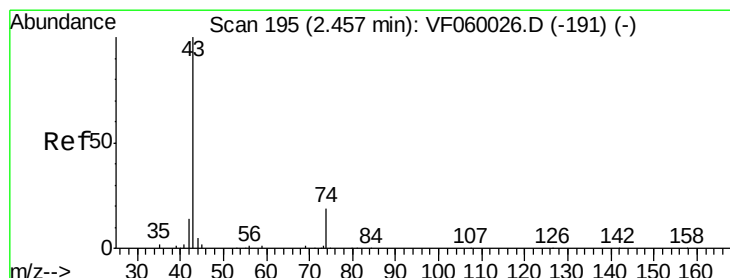
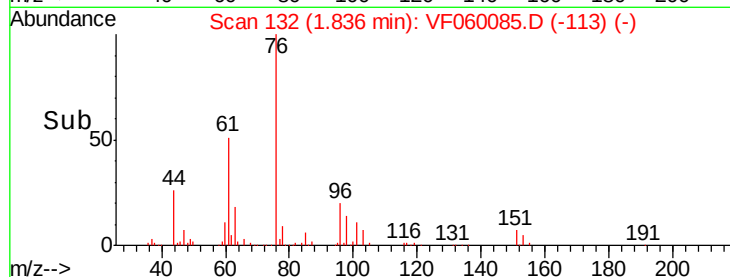
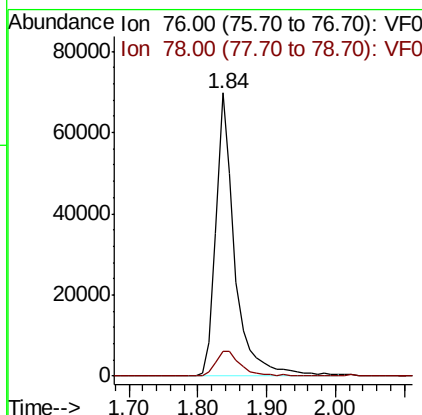
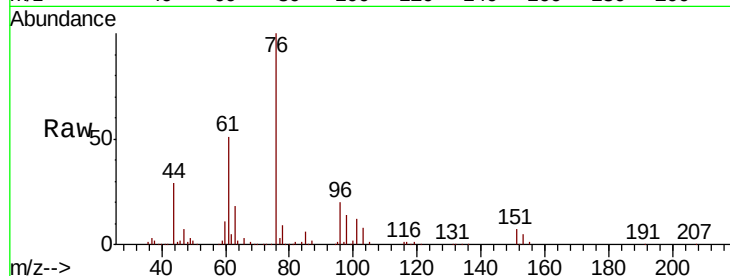




#17
Carbon Disulfide
Concen: 45.11 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

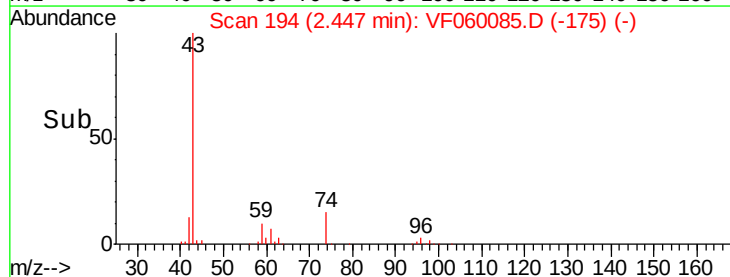
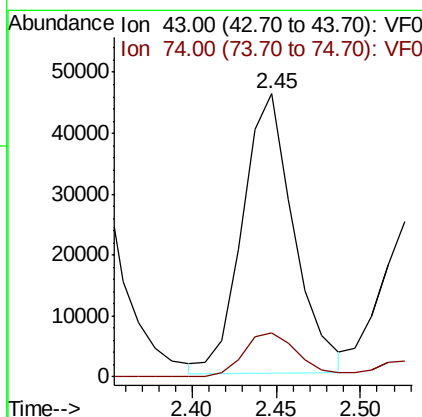
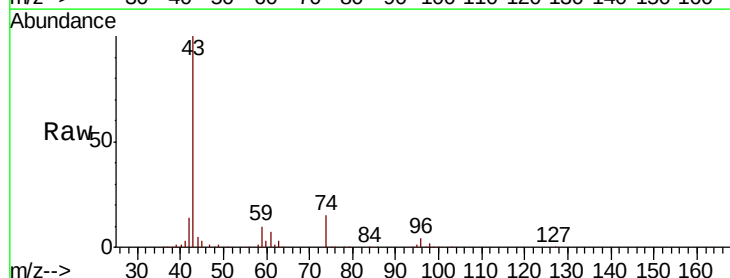
Instrument :
MSVOA_F
ClientSampled :

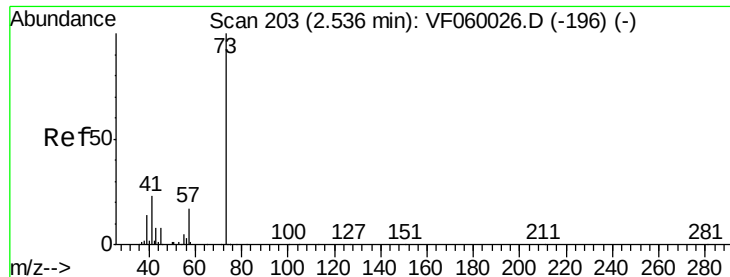
Tot Ion: 76 Resp: 132673
Ion Ratio Lower Upper
76 100
78 8.8 8.4 12.6



#18
Methyl Acetate
Concen: 112.95 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 43 Resp: 97853
Ion Ratio Lower Upper
43 100
74 15.4 13.8 20.6

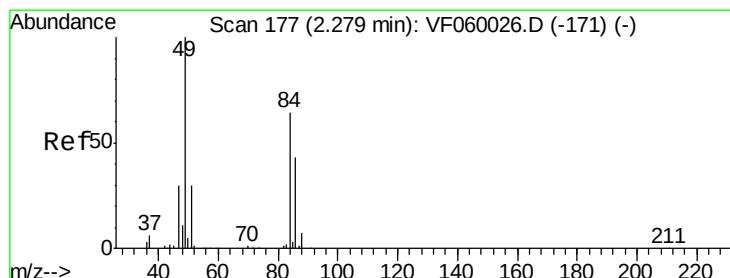
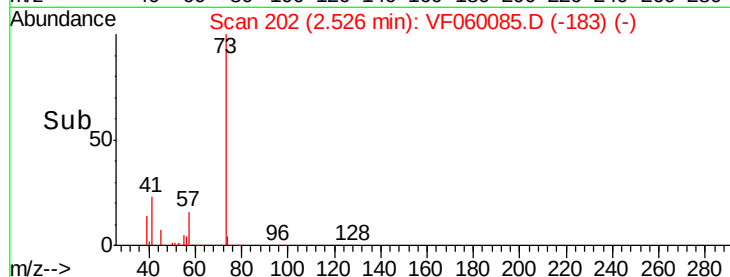
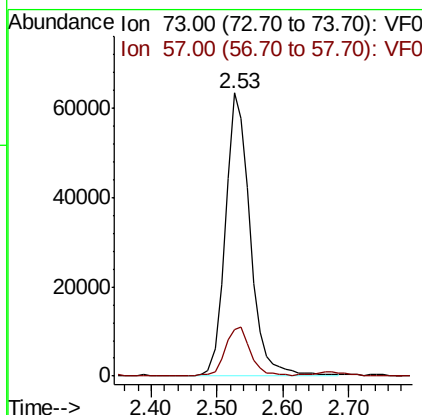
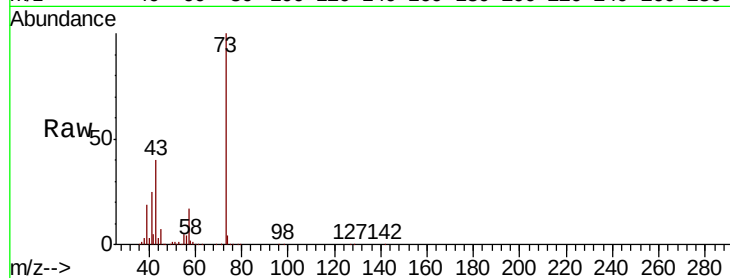




#19
Methyl tert-butyl Ether
Concen: 55.58 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

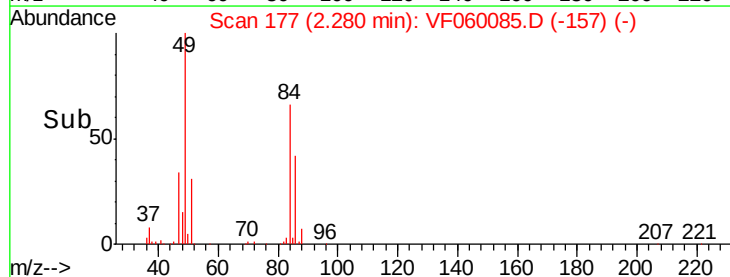
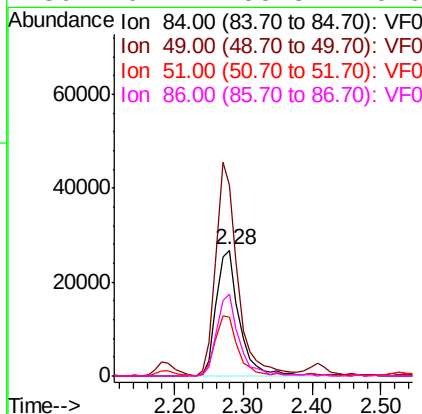
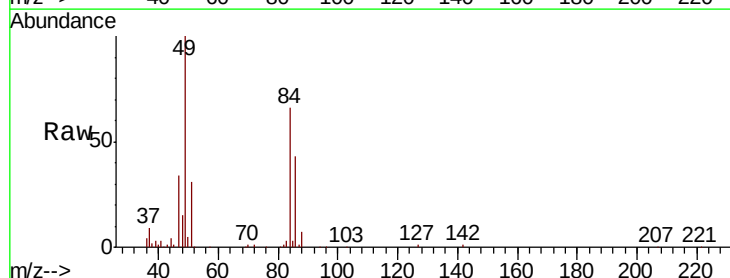
Instrument :
MSVOA_F
ClientSampleId :

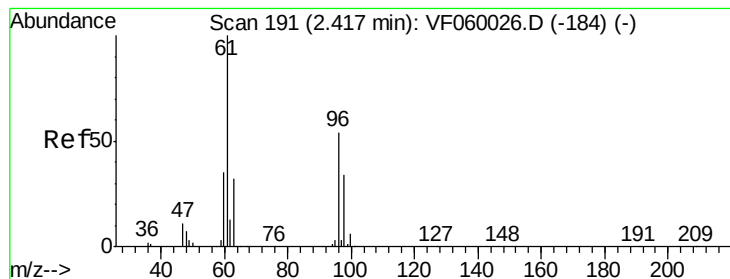
Tot Ion: 73 Resp: 167249
Ion Ratio Lower Upper
73 100
57 16.5 13.7 20.5



#20
Methylene Chloride
Concen: 61.03 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 84 Resp: 62695
Ion Ratio Lower Upper
84 100
49 151.8 125.4 188.0
51 46.7 38.3 57.5
86 64.7 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 47.26 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampled :

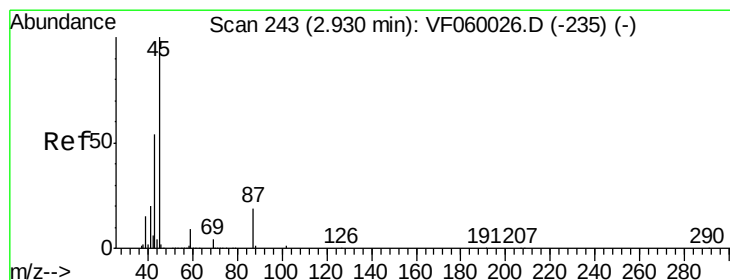
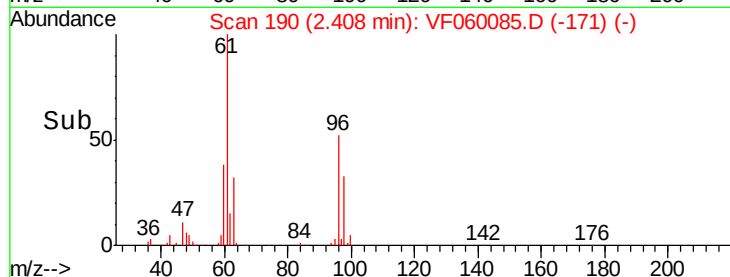
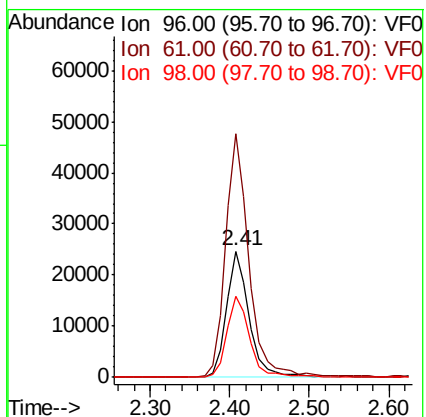
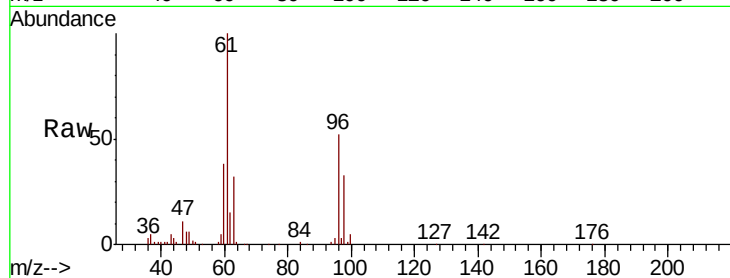
Tot Ion: 96 Resp: 49670

Ion Ratio Lower Upper

96 100

61 192.7 147.4 221.0

98 64.5 49.8 74.6



#22

Diisopropyl ether

Concen: 48.53 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion: 45 Resp: 181275

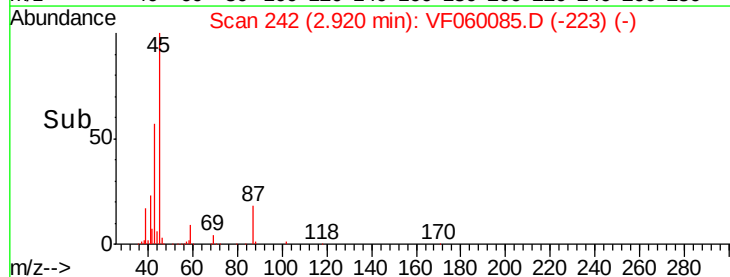
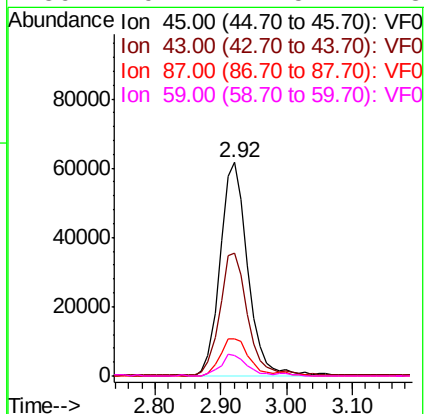
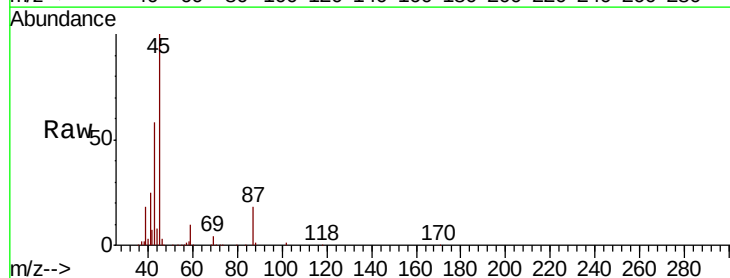
Ion Ratio Lower Upper

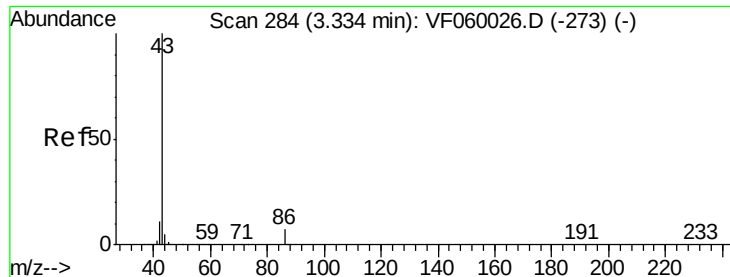
45 100

43 57.7 43.4 65.2

87 17.7 15.4 23.2

59 9.7 7.5 11.3





#23

Vinyl Acetate

Concen: 124.87 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

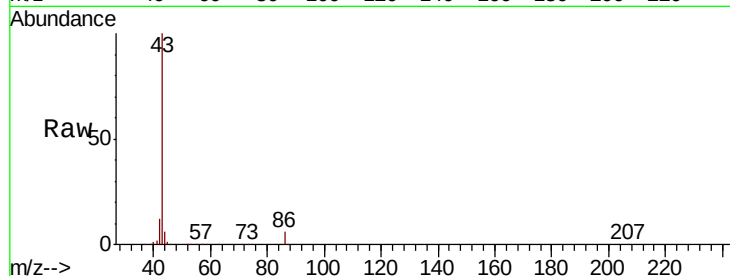
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 247102

Ion Ratio Lower Upper

43 100

86 5.8 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

100000

80000

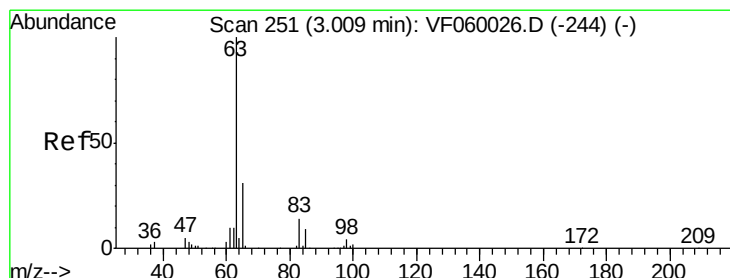
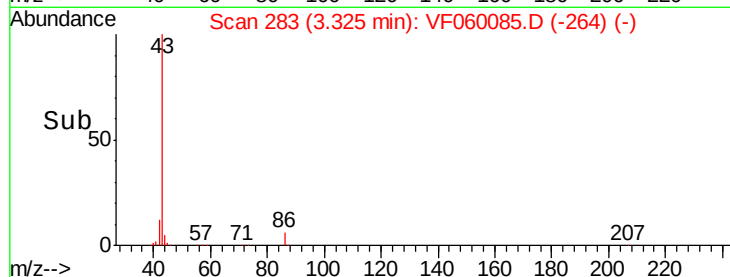
60000

40000

20000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 55.68 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

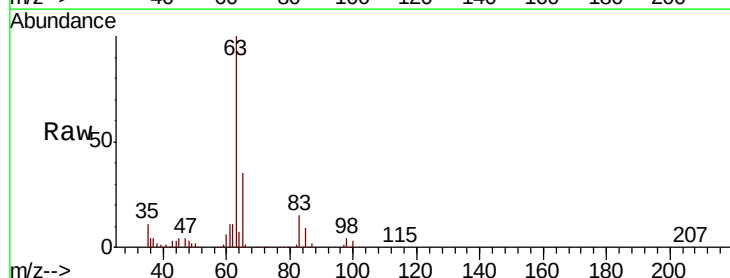
Tgt Ion: 63 Resp: 128489

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

100 2.5 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

60000

50000

40000

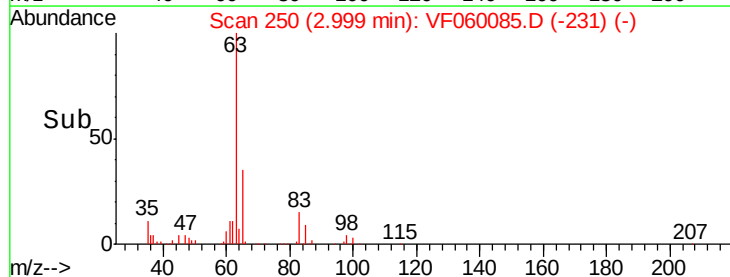
30000

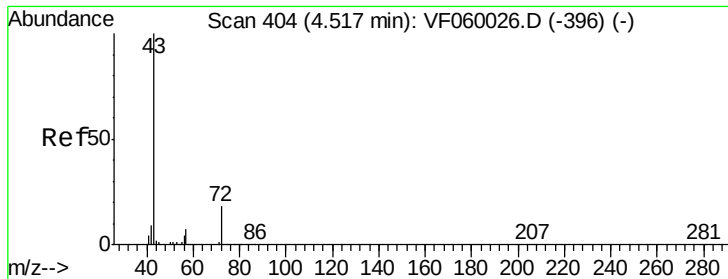
20000

10000

0

Time--> 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 272.96 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

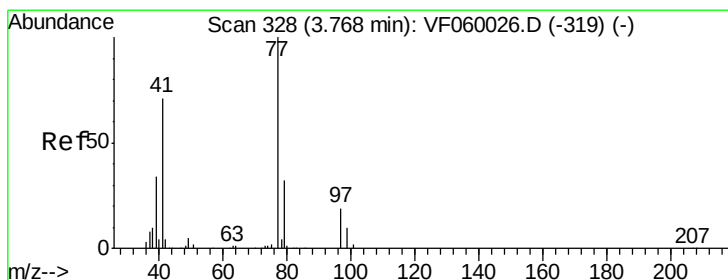
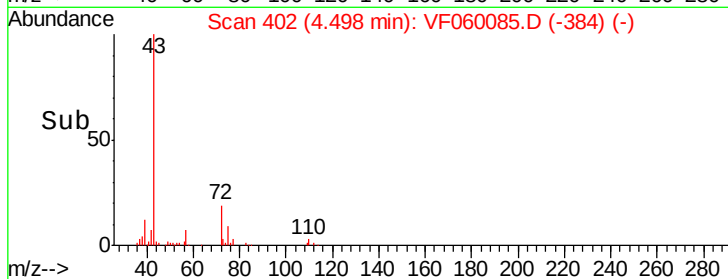
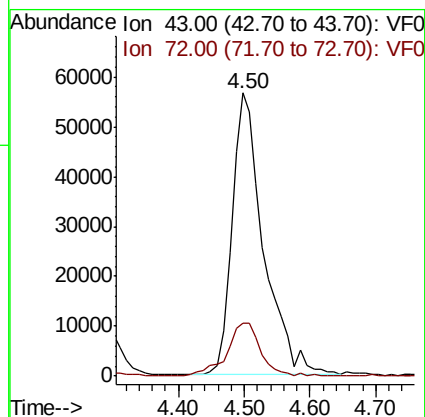
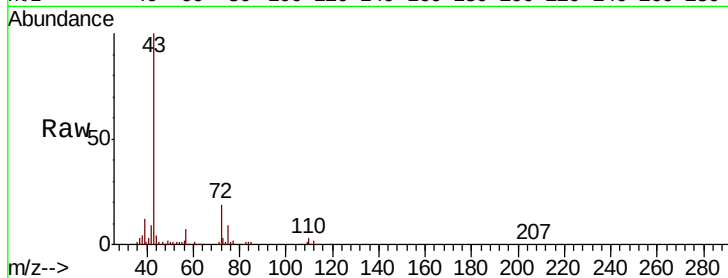
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 188443

Ion Ratio Lower Upper

43 100

72 18.7 15.0 22.6



#26

2,2-Dichloropropane

Concen: 48.16 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060085.D

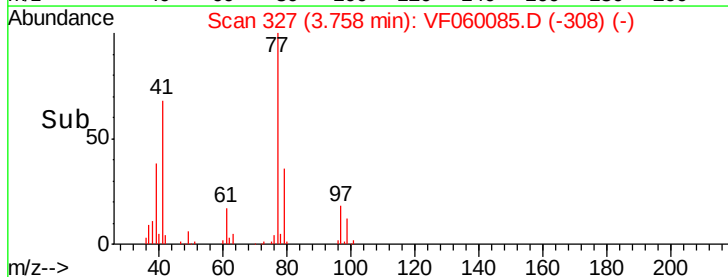
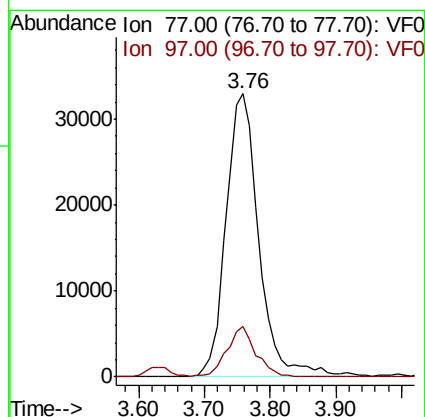
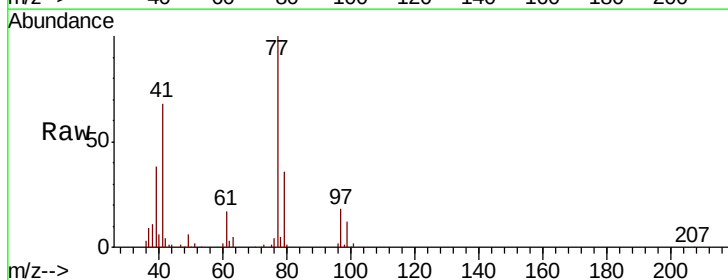
Acq: 24 Aug 2018 7:48

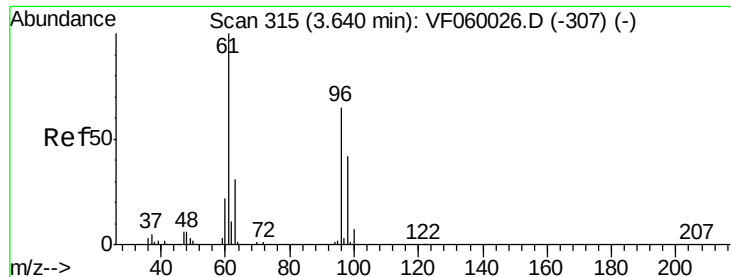
Tgt Ion: 77 Resp: 114982

Ion Ratio Lower Upper

77 100

97 17.9 9.7 29.1



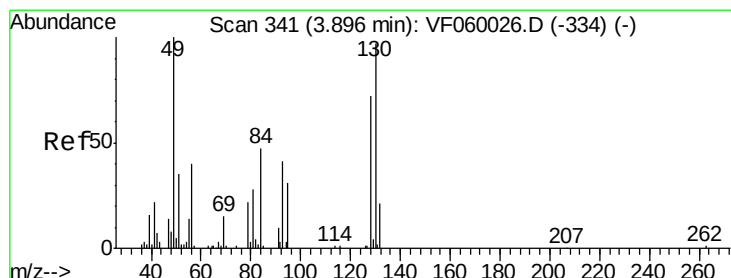
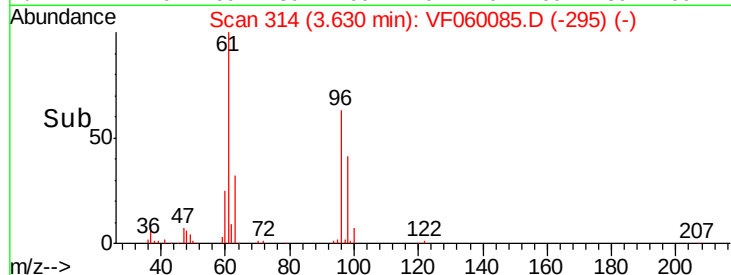
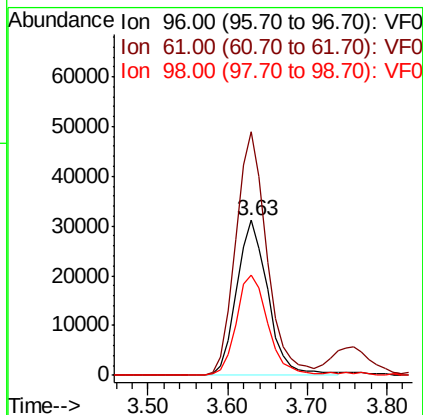
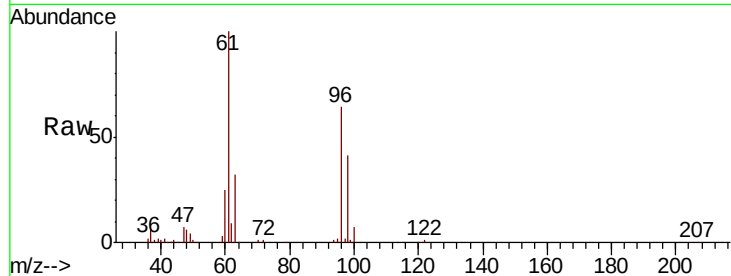


#27

cis-1,2-Dichloroethene
Concen: 57.01 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :

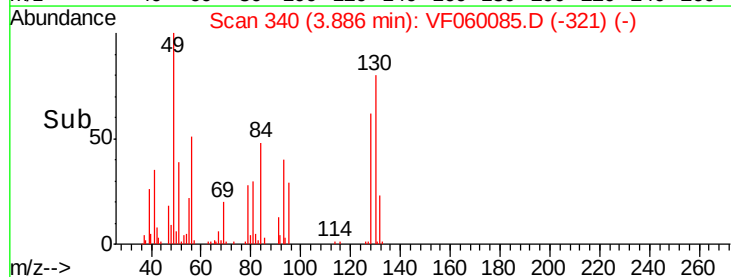
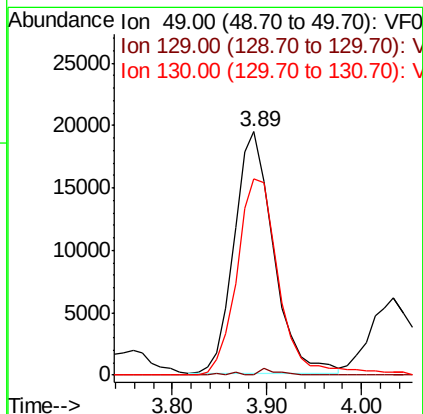
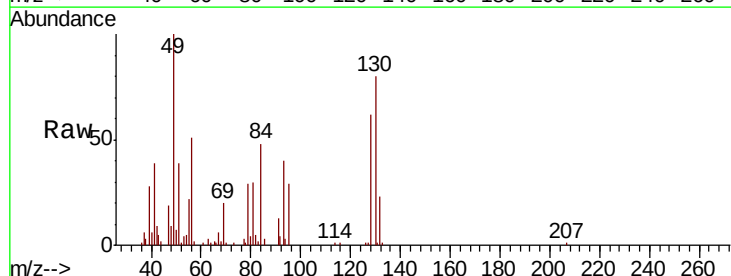
Tot Ion	96	Resp	84908
Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	307.6
98	64.7	0.0	128.4

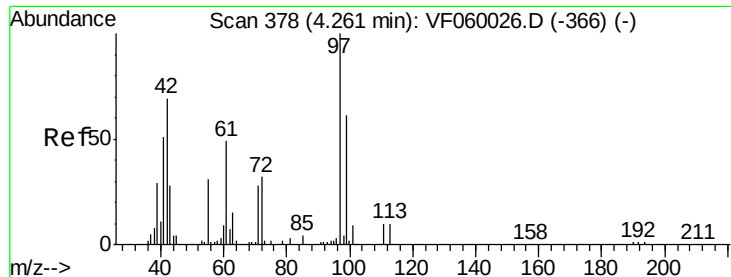


#28

Bromochloromethane
Concen: 57.42 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	49	Resp	55942
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.4
130	80.4	78.0	117.0

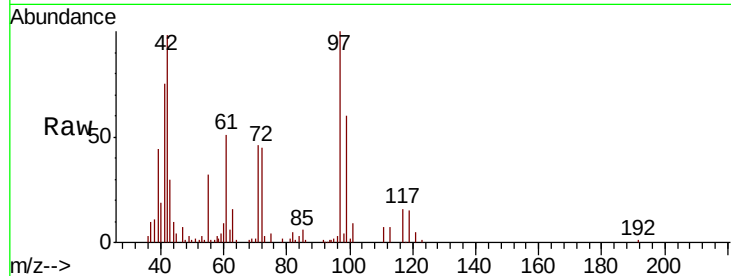




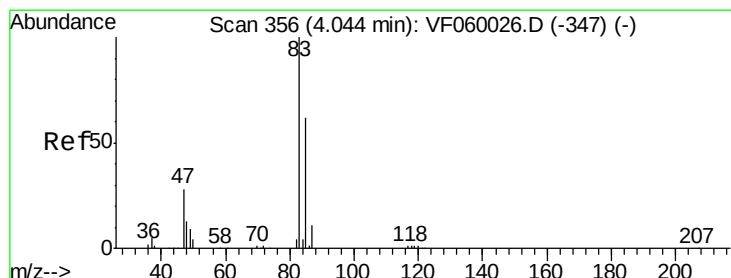
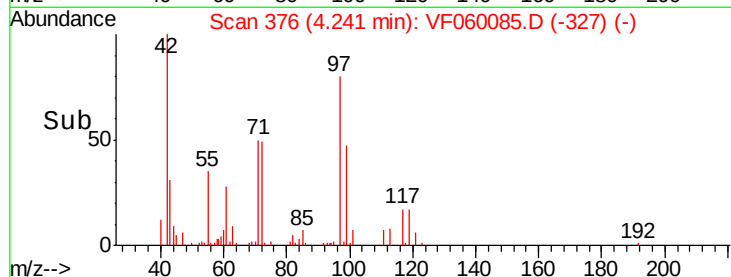
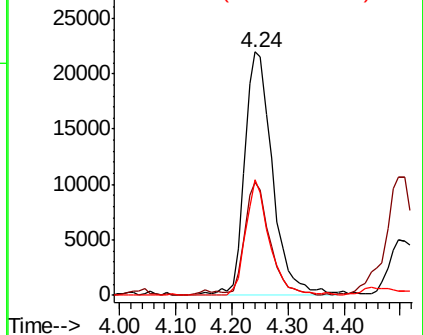
#29
Tetrahydrofuran
Concen: 291.70 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 76033
Ion Ratio Lower Upper
42 100
72 41.0 31.4 47.2
71 39.9 29.7 44.5

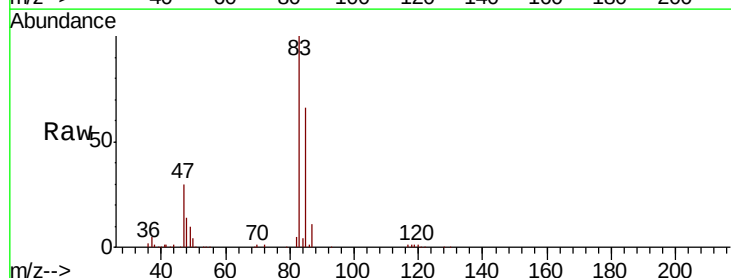


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

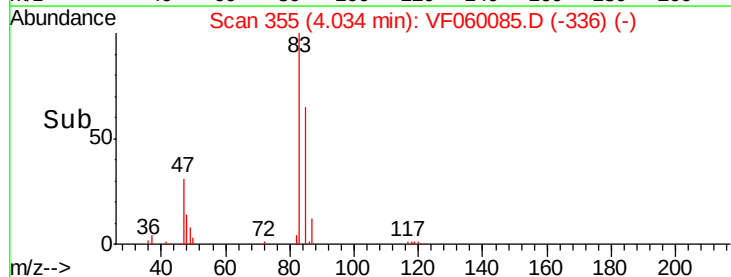
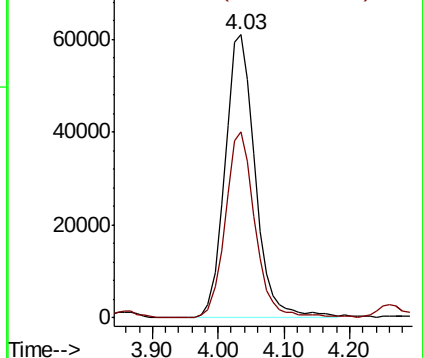


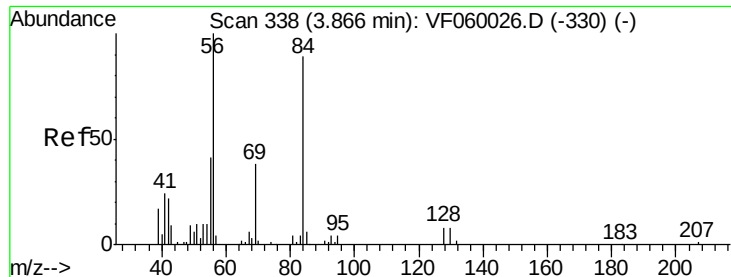
#30
Chloroform
Concen: 60.77 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 83 Resp: 196857
Ion Ratio Lower Upper
83 100
85 65.9 49.5 74.3



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





#31

Cyclohexane

Concen: 49.38 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

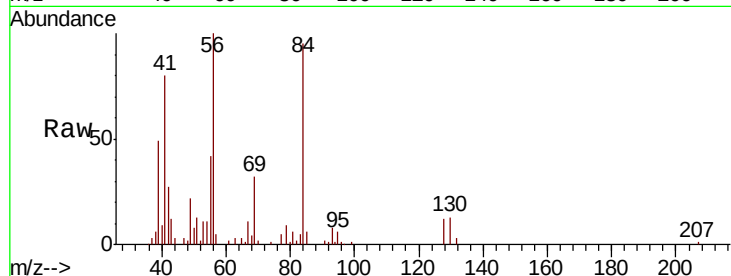
Tot Ion: 56 Resp: 86827

Ion Ratio Lower Upper

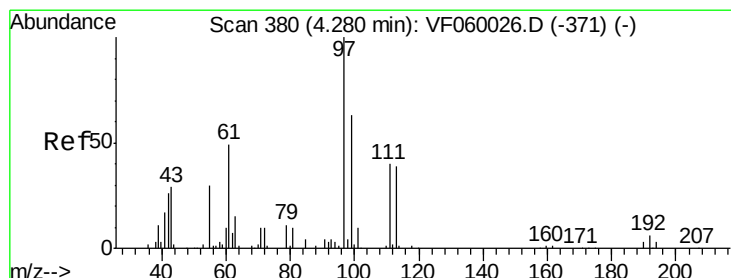
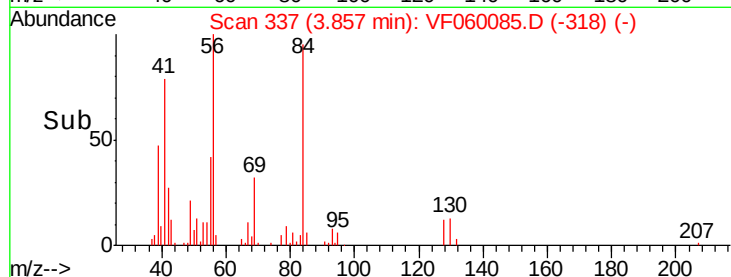
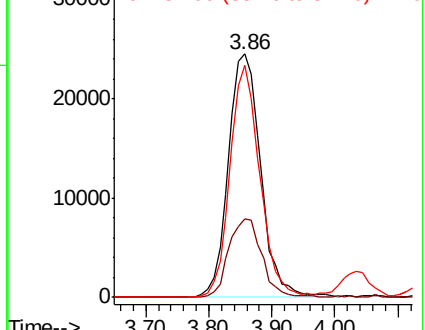
56 100

69 32.2 30.4 45.6

84 95.4 71.4 107.2



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: 62.48 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

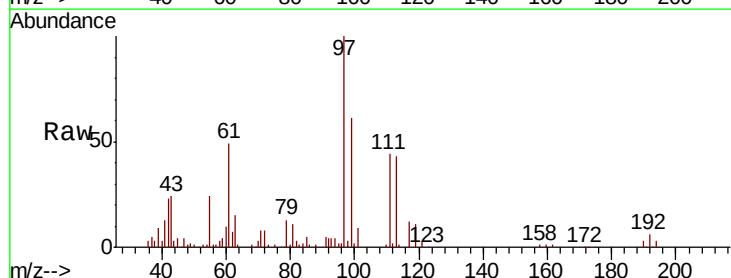
Tgt Ion: 97 Resp: 173318

Ion Ratio Lower Upper

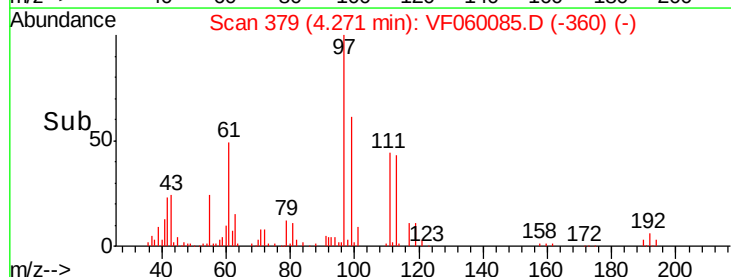
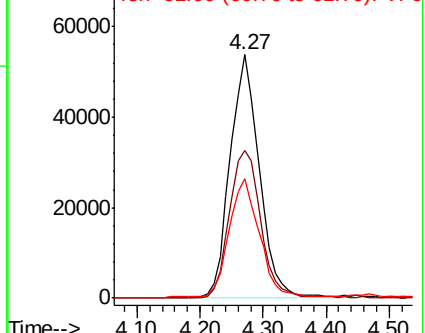
97 100

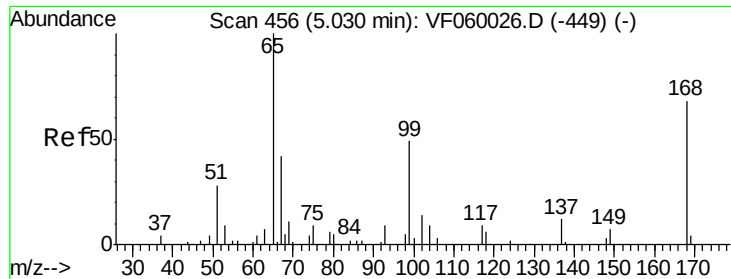
99 60.7 50.3 75.5

61 49.3 40.3 60.5



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

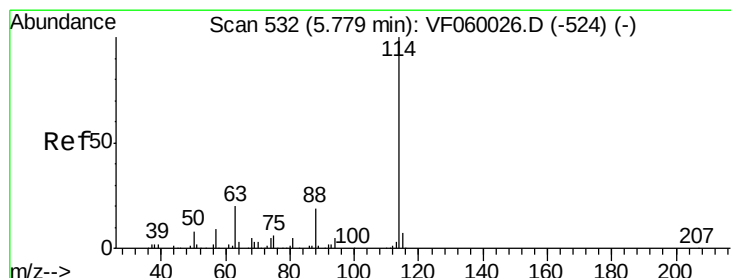
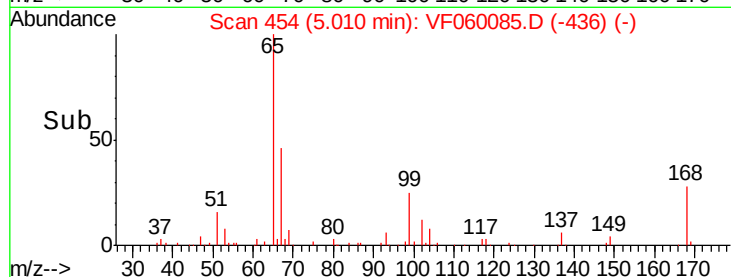
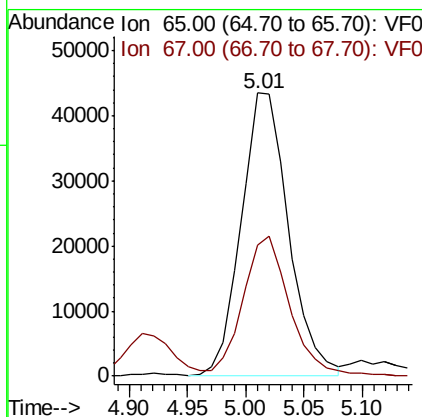
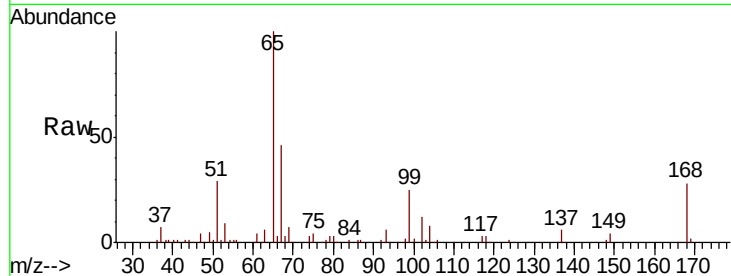




#33
 1,2-Dichloroethane-d4
 Concen: 60.14 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

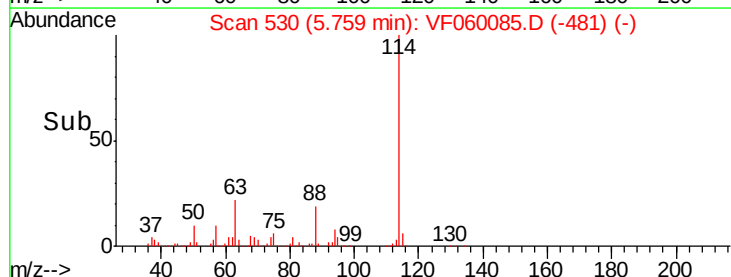
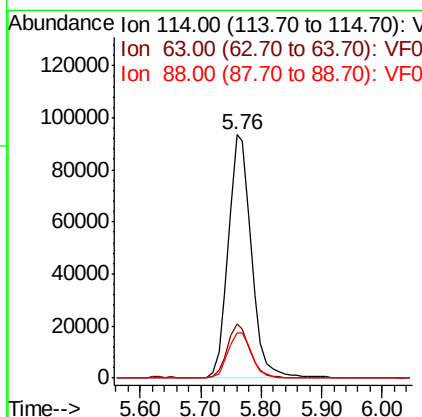
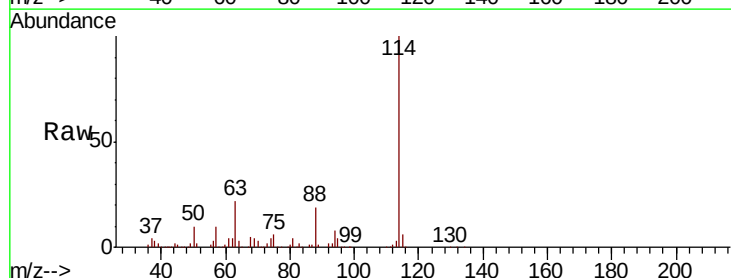
Instrument :
 MSVOA_F
 ClientSampled :

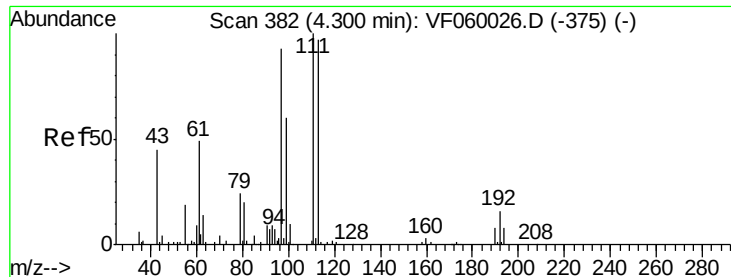
Tot Ion: 65 Resp: 121609
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion: 114 Resp: 248335
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 40.4
 88 18.8 0.0 38.6

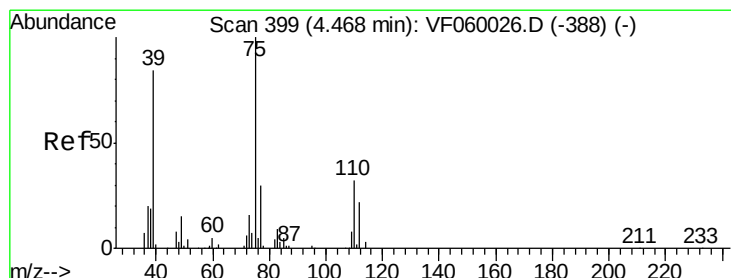
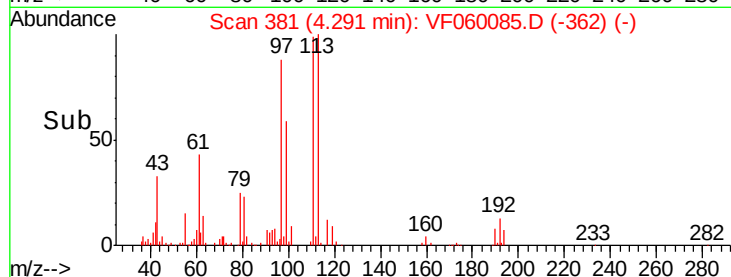
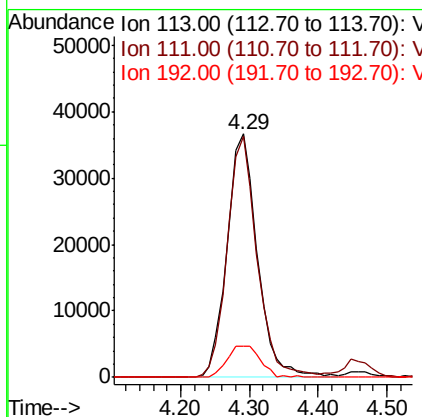
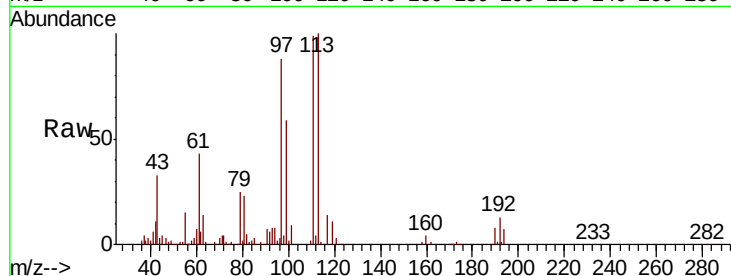




#35
 Dibromofluoromethane
 Concen: 57.61 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

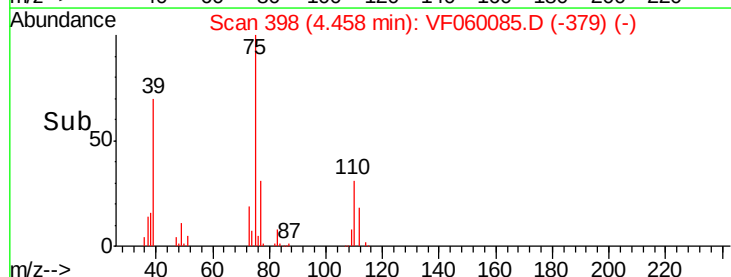
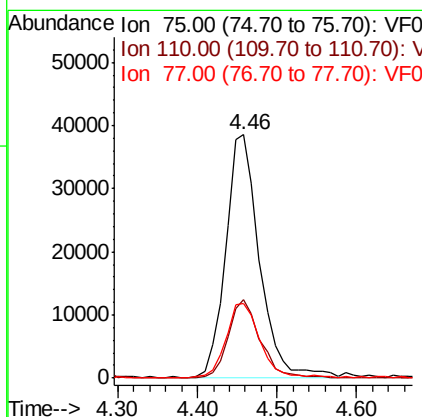
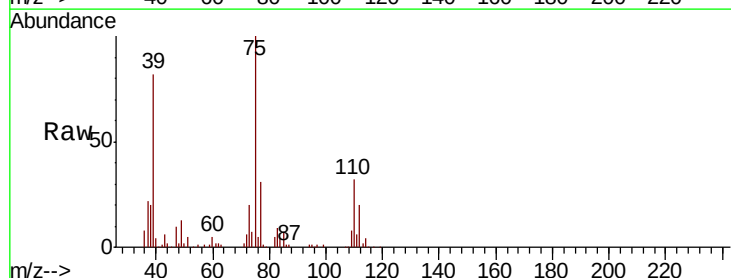
Instrument :
 MSVOA_F
 ClientSampleId :

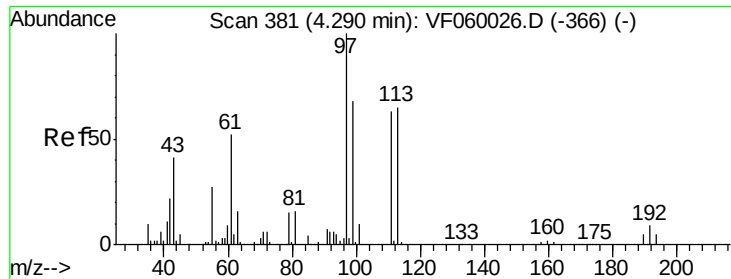
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	82.7	124.1
192	12.9	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 48.60 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.0	47.9
77	30.9	24.1	36.1

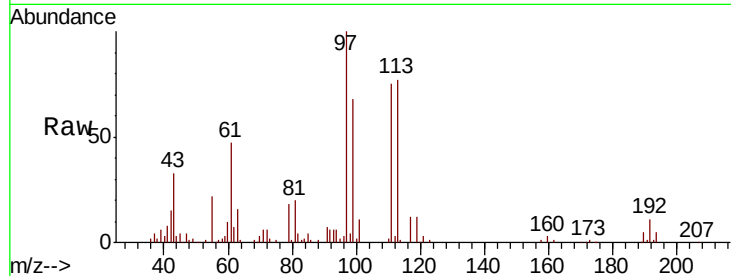




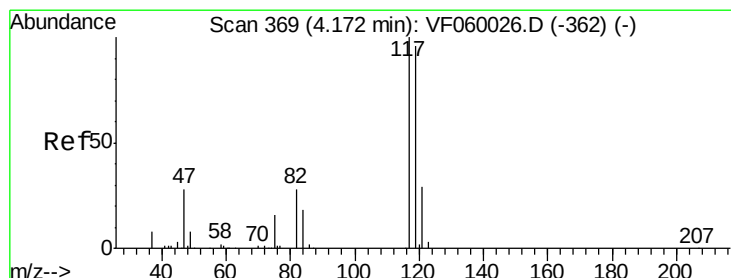
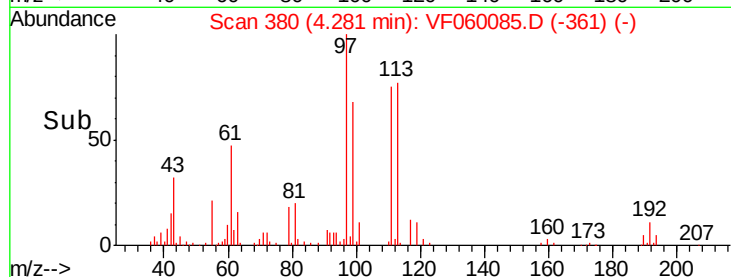
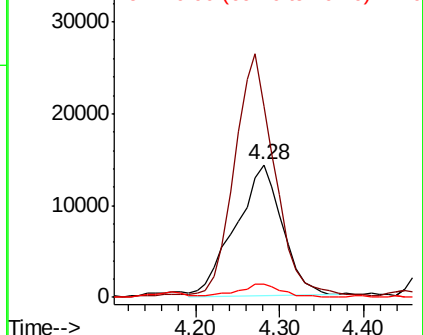
#37
Ethyl Acetate
Concen: 39.62 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 55302
Ion Ratio Lower Upper
43 100
61 144.8 101.5 152.3
70 9.6 6.4 9.6#

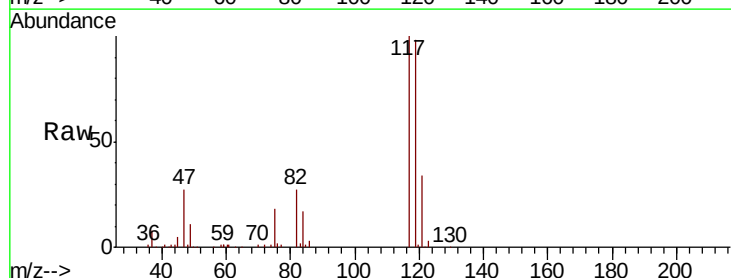


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

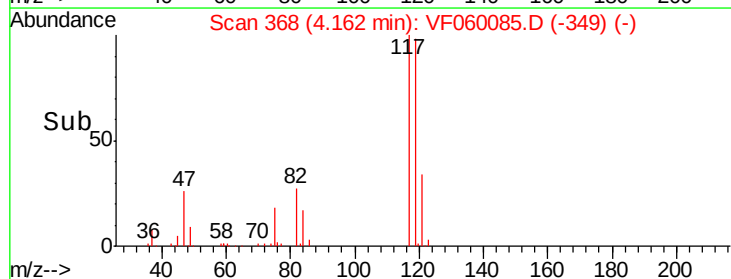
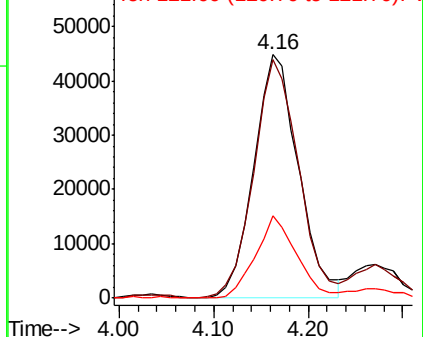


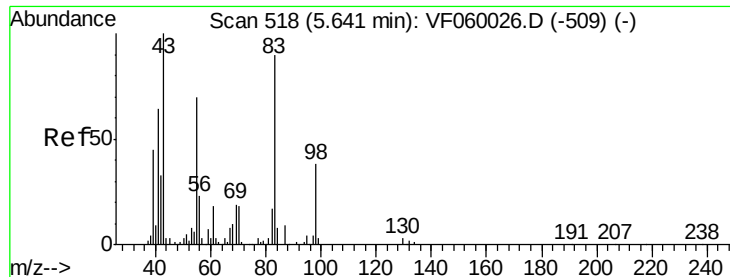
#38
Carbon Tetrachloride
Concen: 54.45 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 117 Resp: 147133
Ion Ratio Lower Upper
117 100
119 97.9 76.5 114.7
121 33.6 23.0 34.6



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

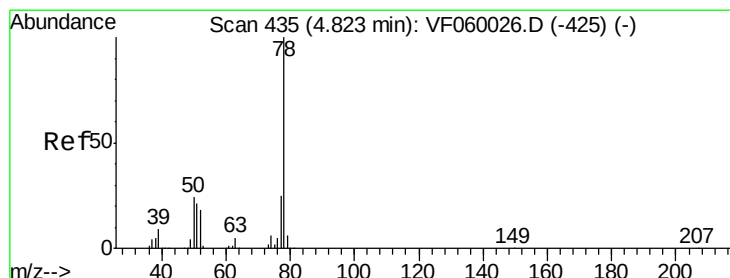
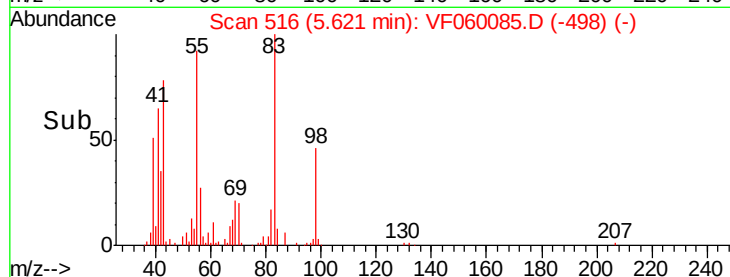
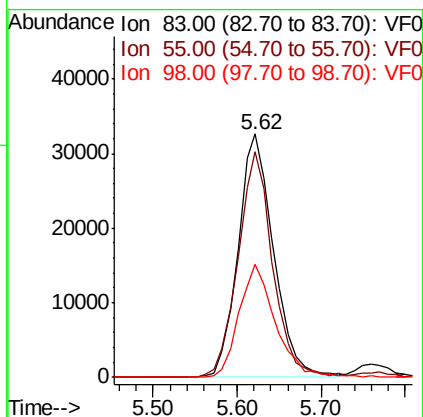
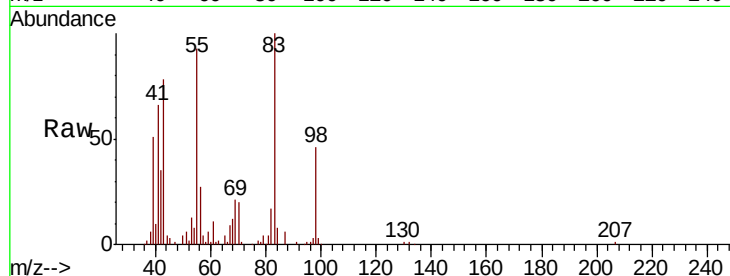




#39
Methylvlcyclohexane
Concen: 43.78 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

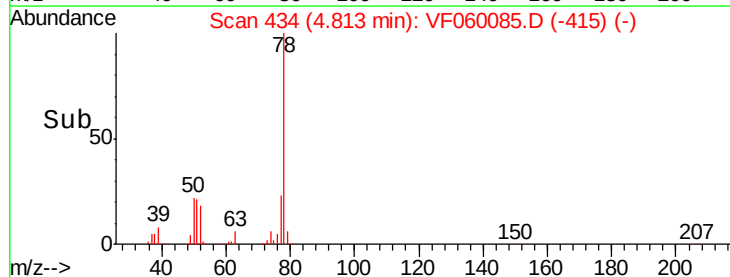
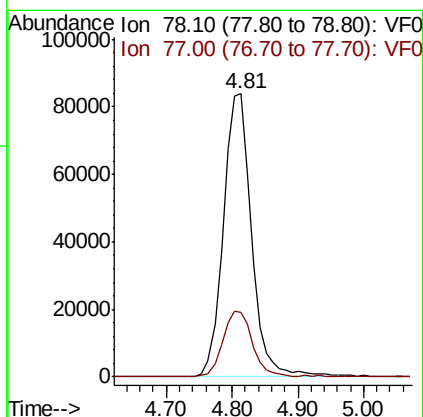
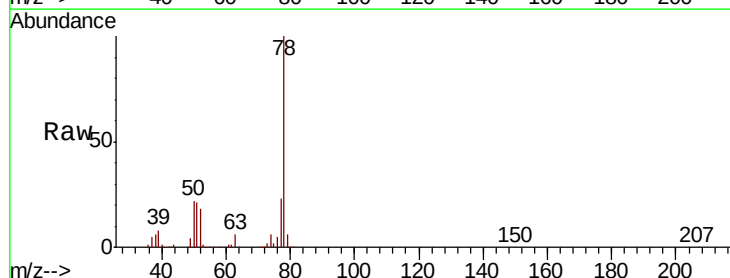
Instrument :
MSVOA_F
ClientSampleId :

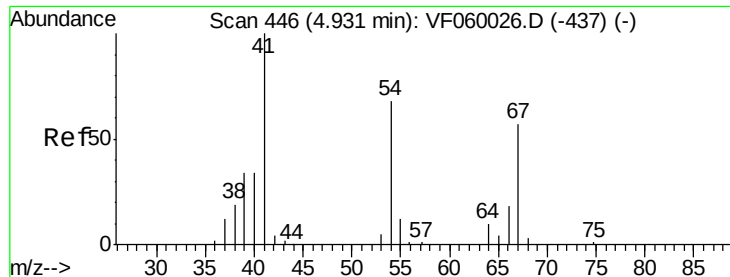
Tot Ion: 83 Resp: 95795
Ion Ratio Lower Upper
83 100
55 92.8 62.7 94.1
98 46.4 33.8 50.8



#40
Benzene
Concen: 49.32 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 78 Resp: 251407
Ion Ratio Lower Upper
78 100
77 22.8 19.8 29.6





#41

Methacrylonitrile

Concen: 50.89 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 41 Resp: 35924

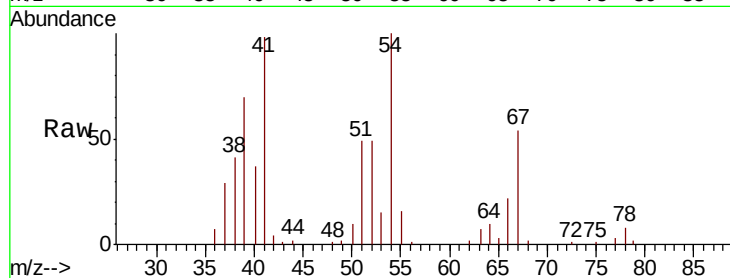
Ion Ratio Lower Upper

41 100

39 71.3 52.9 79.3

67 55.2 45.3 67.9

52 49.6 34.8 52.2

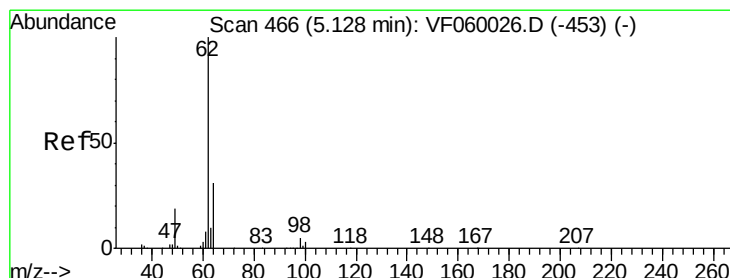
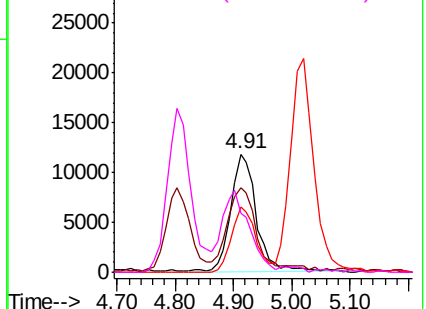
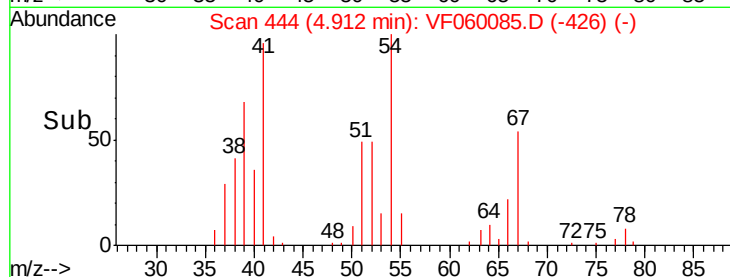


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 55.07 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.02 min

Lab File: VF060085.D

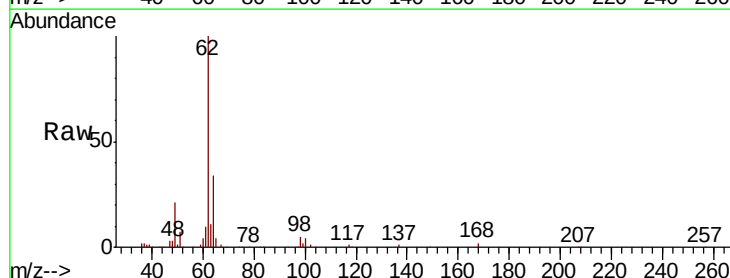
Acq: 24 Aug 2018 7:48

Tgt Ion: 62 Resp: 150529

Ion Ratio Lower Upper

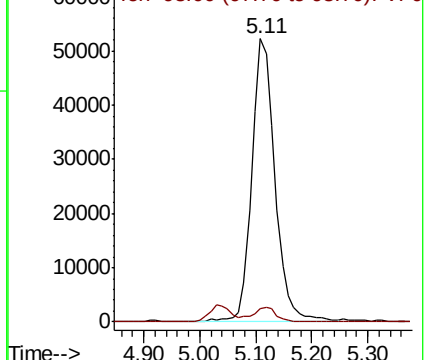
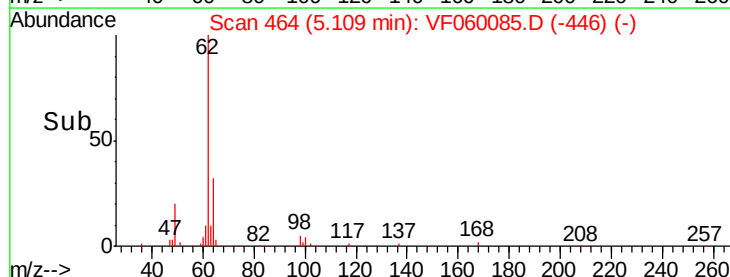
62 100

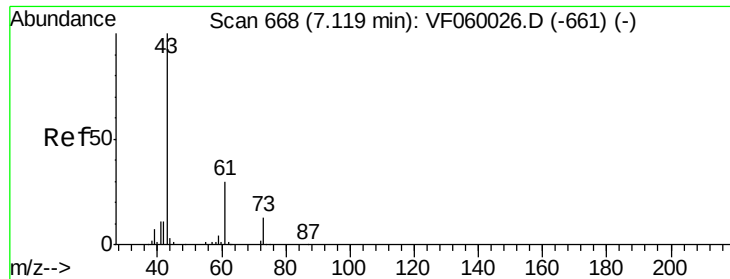
98 4.9 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



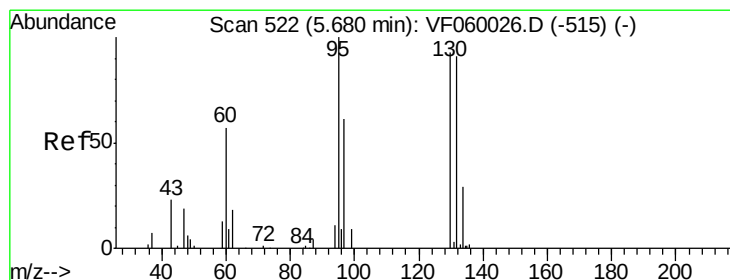
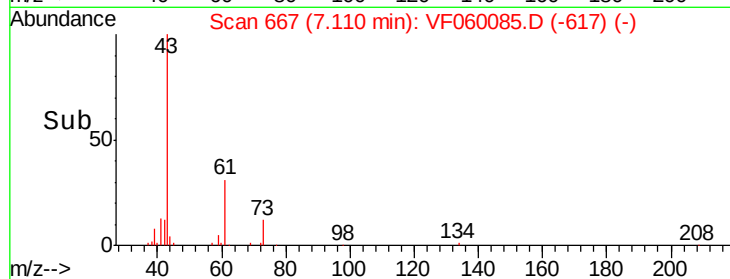
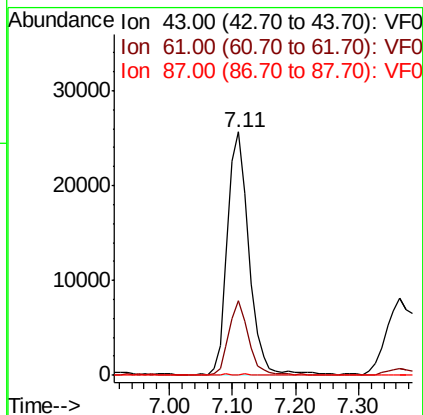
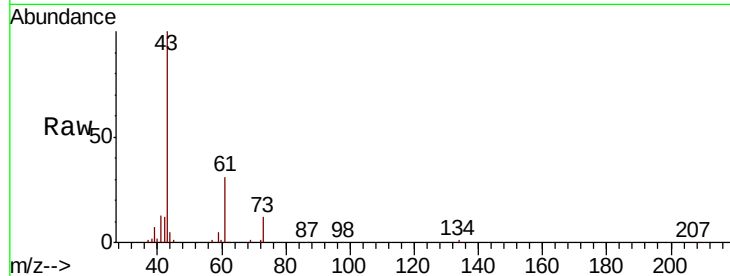


#43

Isopropyl Acetate
 Concen: 34.75 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :

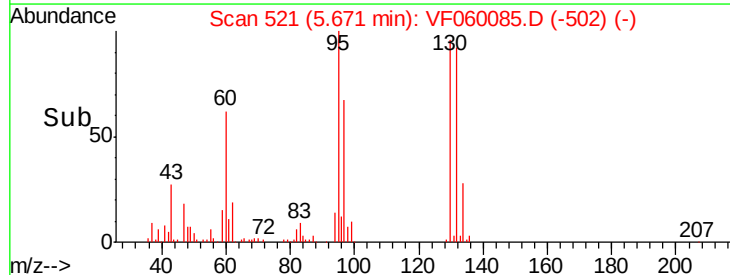
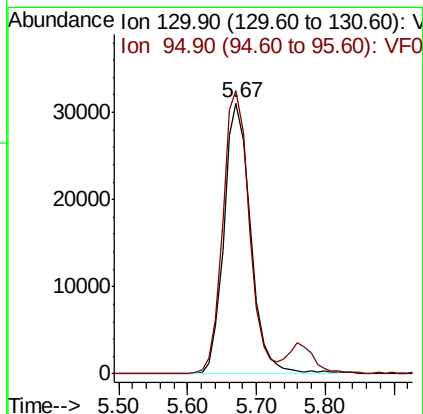
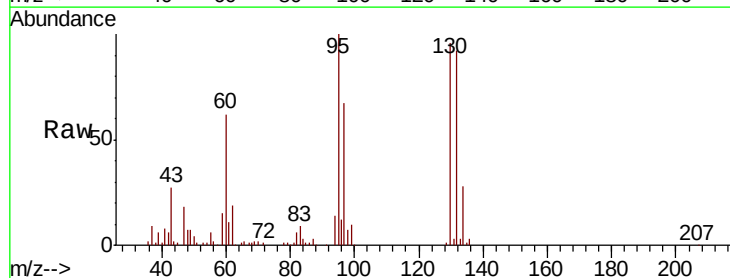
Tot Ion: 43 Resp: 61036
 Ion Ratio Lower Upper
 43 100
 61 30.5 23.8 35.6
 87 0.4 0.2 0.4#

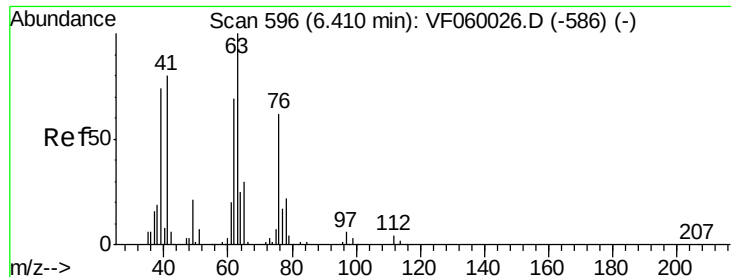


#44

Trichloroethene
 Concen: 49.69 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion: 130 Resp: 83748
 Ion Ratio Lower Upper
 130 100
 95 104.4 0.0 215.8





#45

1,2-Dichloropropane

Concen: 55.11 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

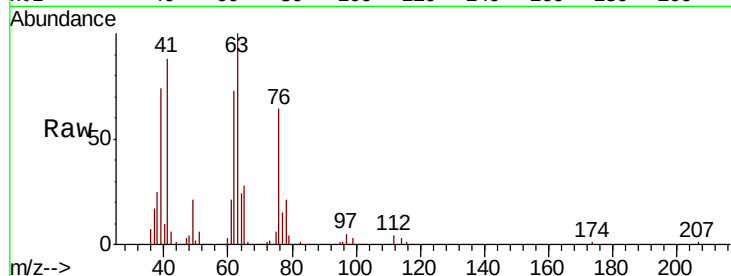
ClientSampleId :

Tot Ion: 63 Resp: 79473

Ion Ratio Lower Upper

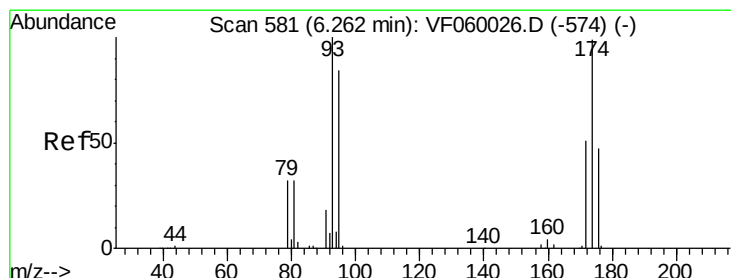
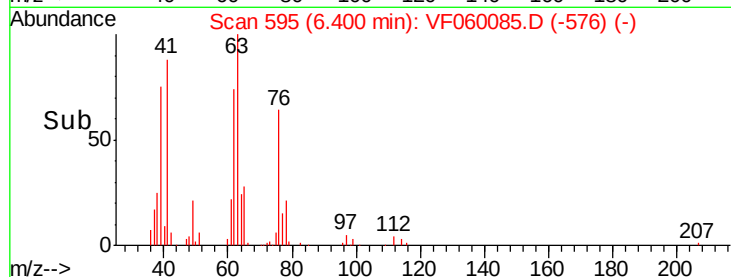
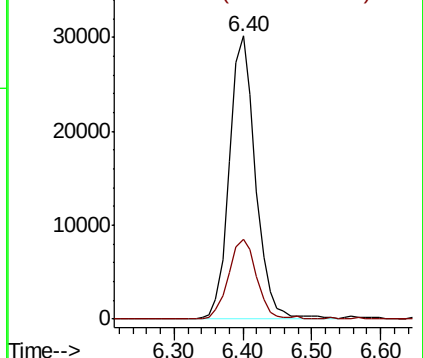
63 100

65 28.3 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 58.66 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

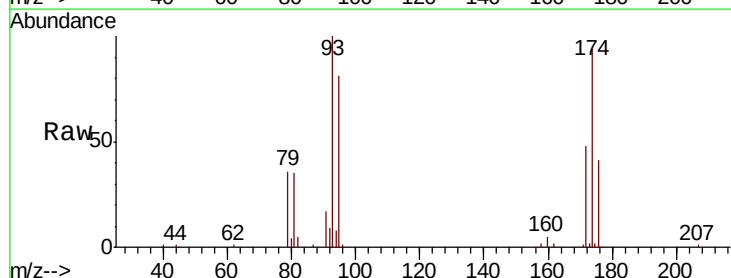
Tgt Ion: 93 Resp: 66187

Ion Ratio Lower Upper

93 100

95 80.7 67.1 100.7

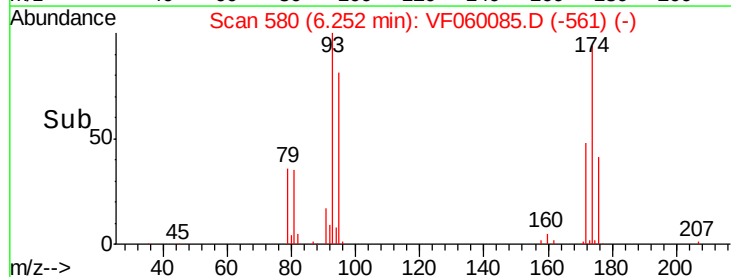
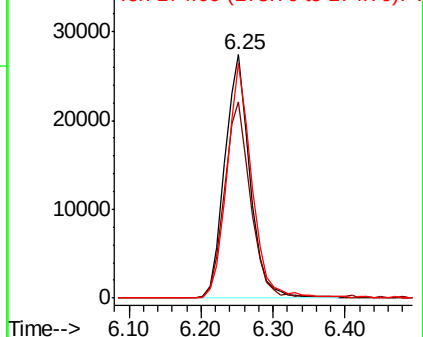
174 96.5 79.0 118.4

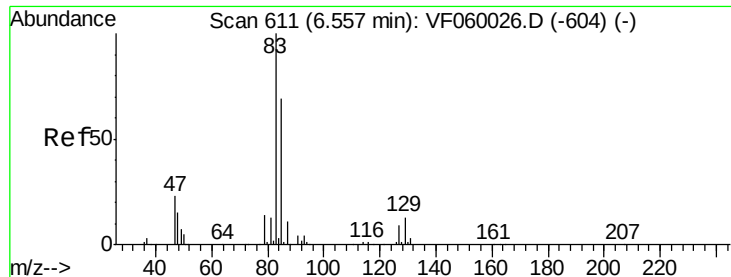


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 56.49 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

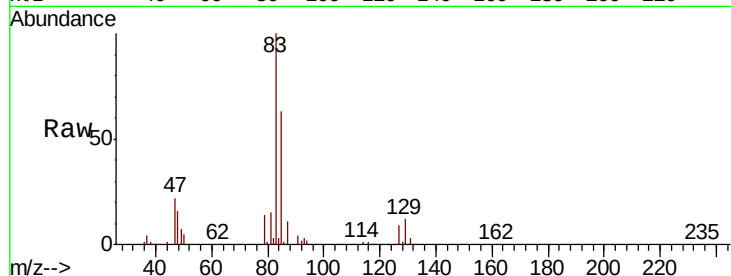
Tot Ion: 83 Resp: 153962

Ion Ratio Lower Upper

83 100

85 63.4 55.2 82.8

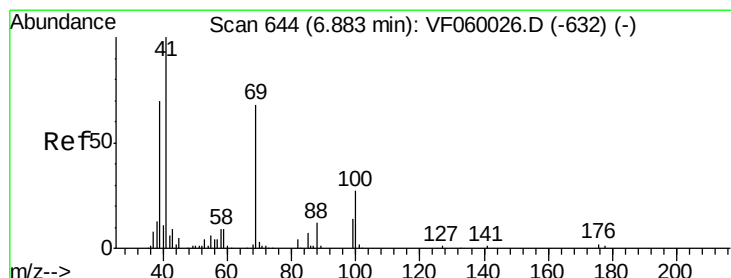
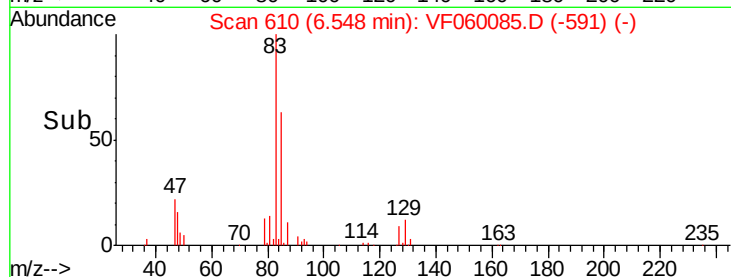
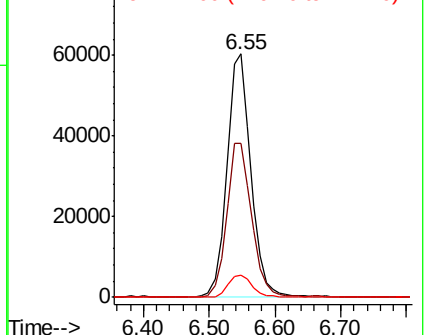
127 9.3 7.3 10.9



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: 61.97 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

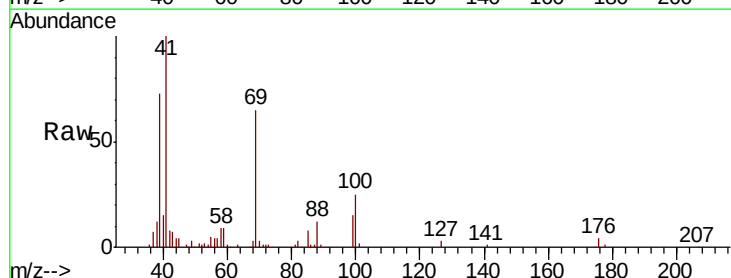
Tgt Ion: 41 Resp: 72036

Ion Ratio Lower Upper

41 100

69 65.1 54.6 81.8

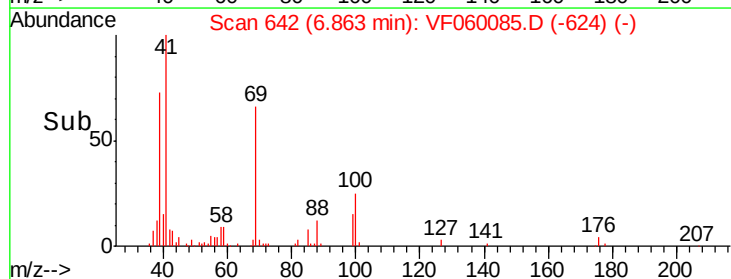
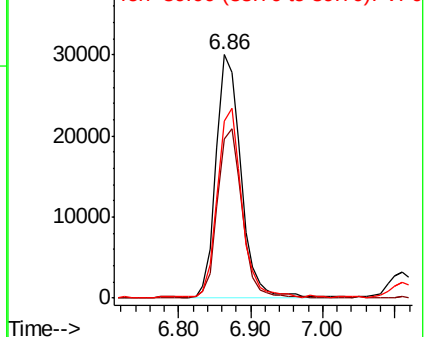
39 72.8 56.5 84.7

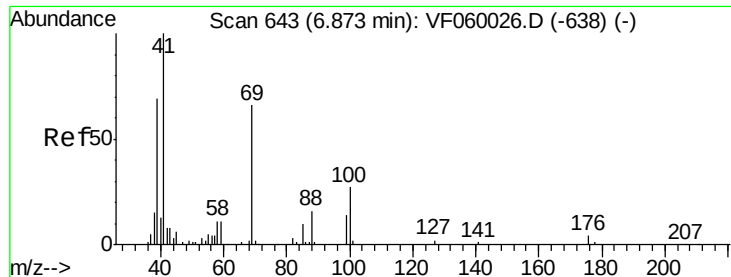


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 993.92 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :

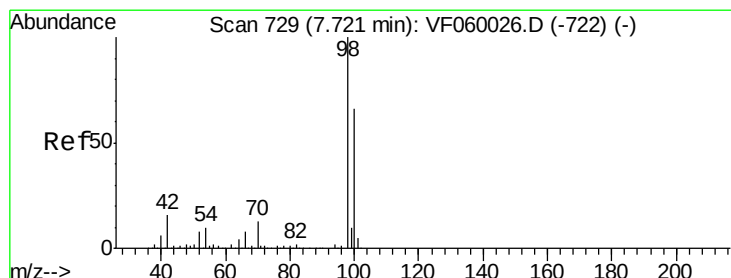
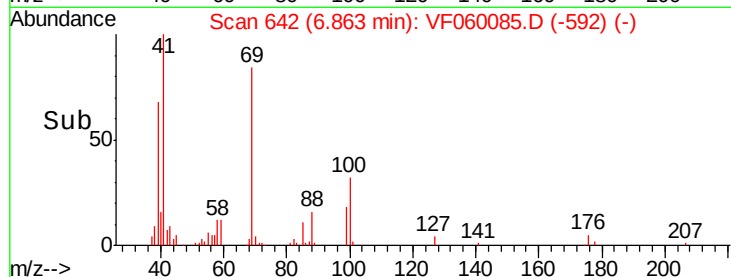
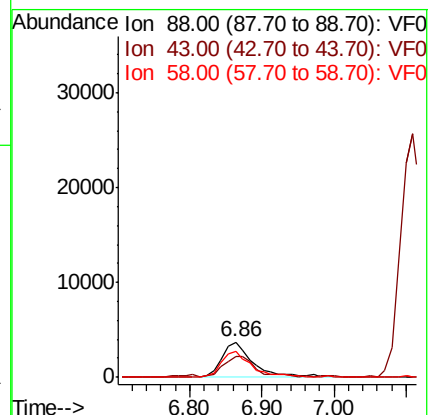
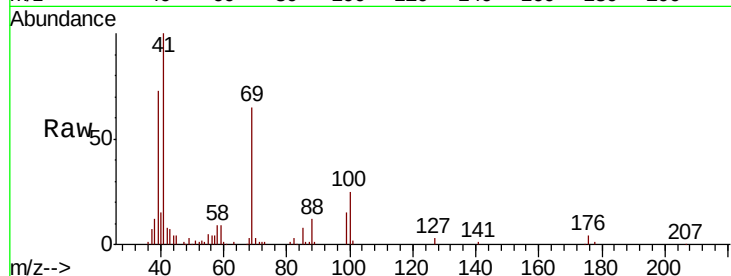
Tot Ion: 88 Resp: 11091

Ion Ratio Lower Upper

88 100

43 59.4 46.5 69.7

58 72.8 54.8 82.2



#50

Toluene-d8

Concen: 50.11 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060085.D

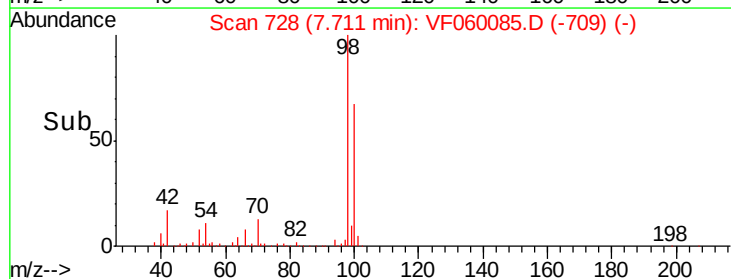
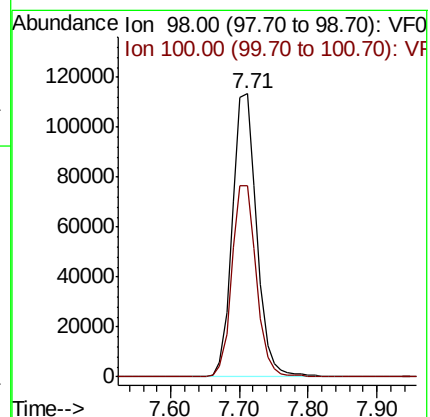
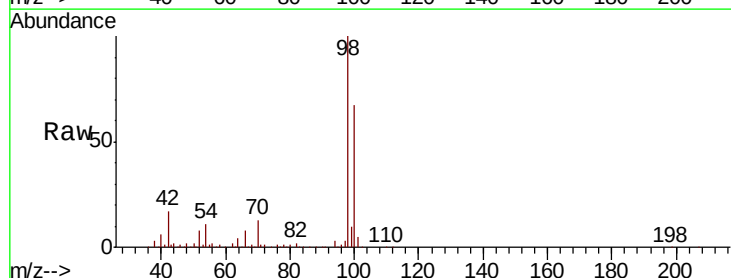
Acq: 24 Aug 2018 7:48

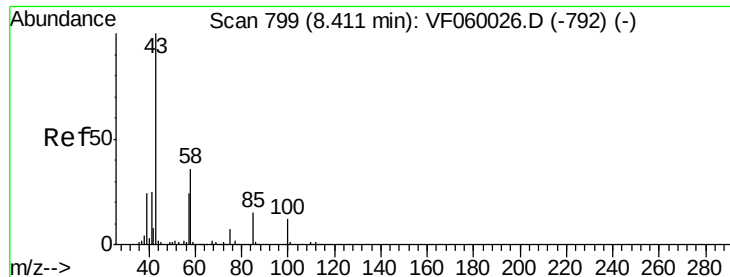
Tgt Ion: 98 Resp: 277501

Ion Ratio Lower Upper

98 100

100 67.4 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 287.31 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

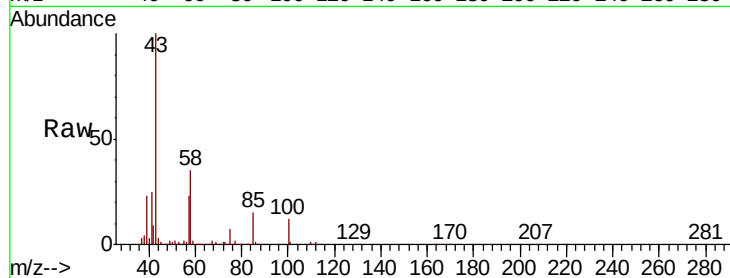
ClientSampleId :

Tot Ion: 43 Resp: 435839

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

200000

150000

100000

50000

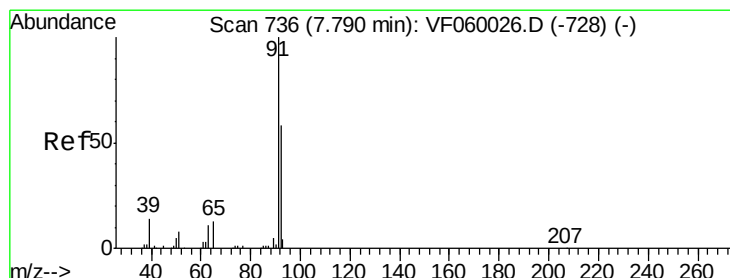
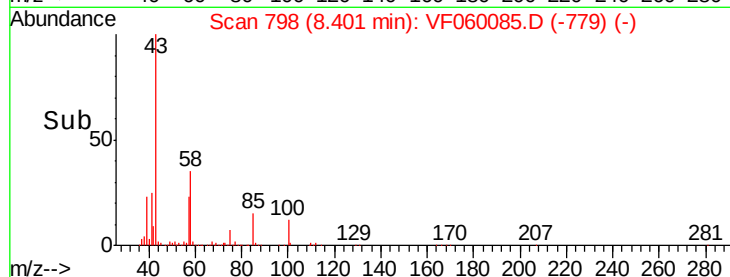
0

Time-->

8.30

8.40

8.50



#52

Toluene

Concen: 56.64 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060085.D

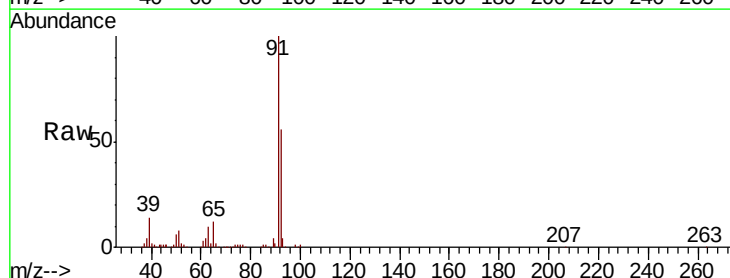
Acq: 24 Aug 2018 7:48

Tgt Ion: 92 Resp: 183609

Ion Ratio Lower Upper

92 100

91 178.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

100000

50000

0

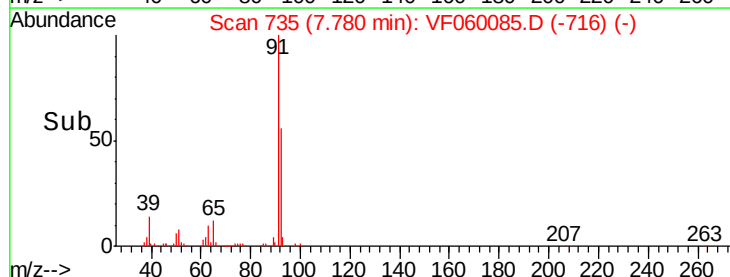
Time-->

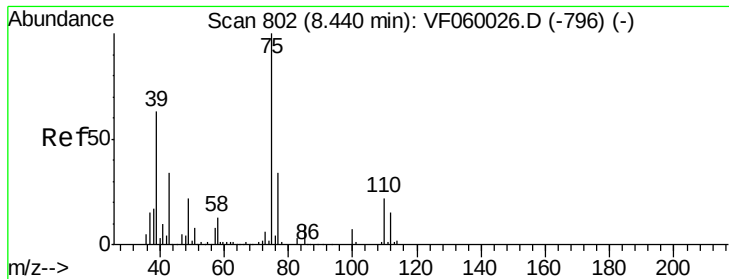
7.60

7.70

7.80

7.90





#53

t-1,3-Dichloropropene

Concen: 49.33 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

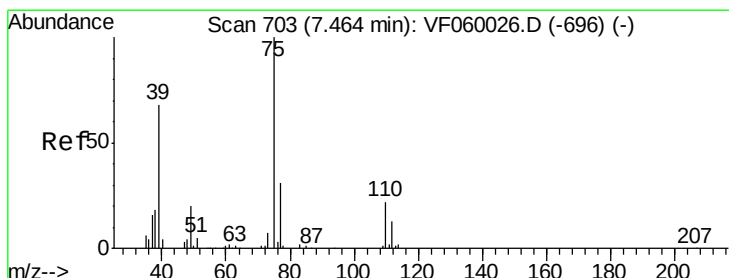
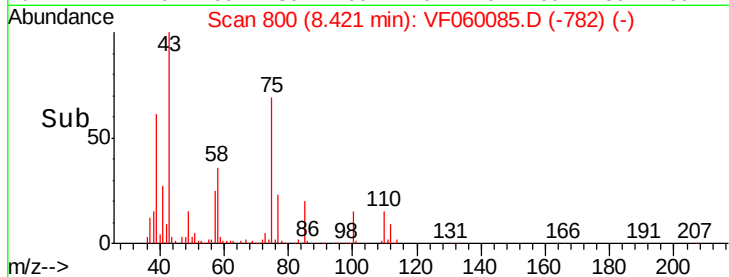
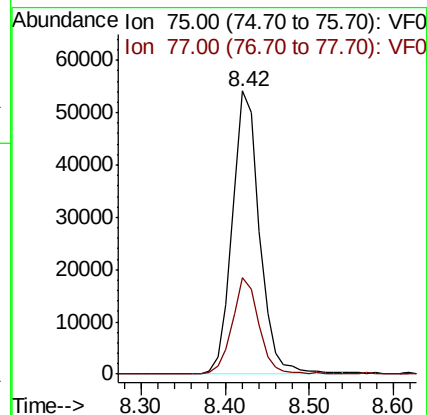
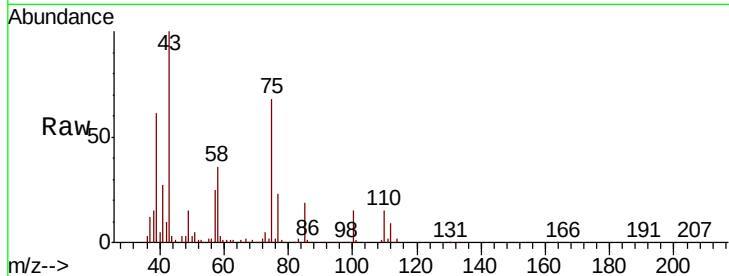
ClientSampled :

Tot Ion: 75 Resp: 121915

Ion Ratio Lower Upper

75 100

77 34.2 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 51.73 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

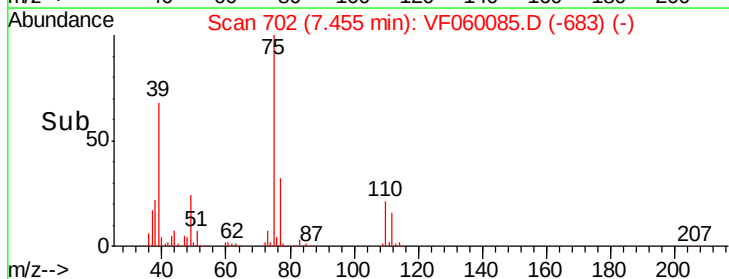
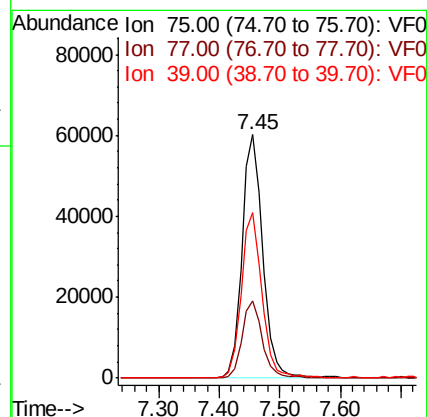
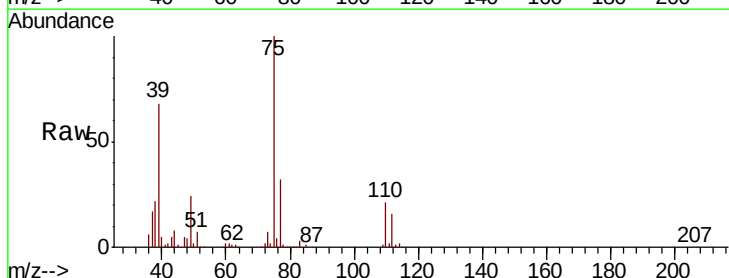
Tgt Ion: 75 Resp: 142700

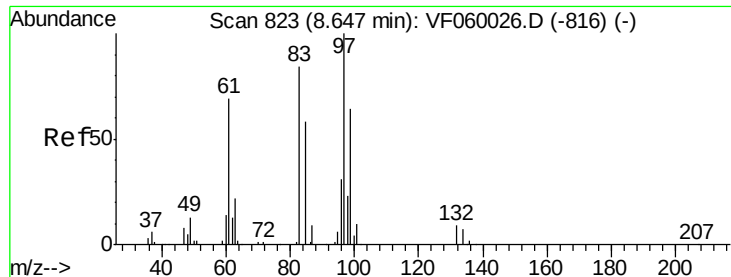
Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0

39 68.2 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 60.16 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 82752

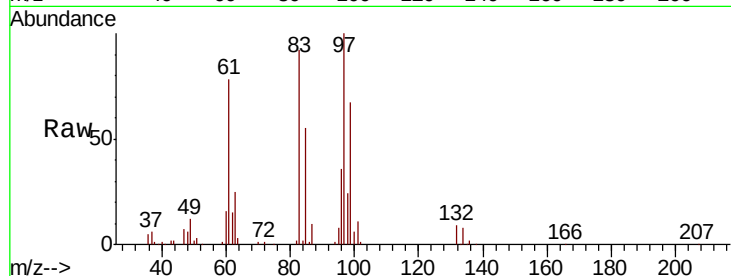
Ion	Ratio	Lower	Upper
97	100		
83	92.1	67.4	101.2
85	54.7	46.2	69.2
99	66.6	51.1	76.7

97 100

83 92.1 67.4 101.2

85 54.7 46.2 69.2

99 66.6 51.1 76.7

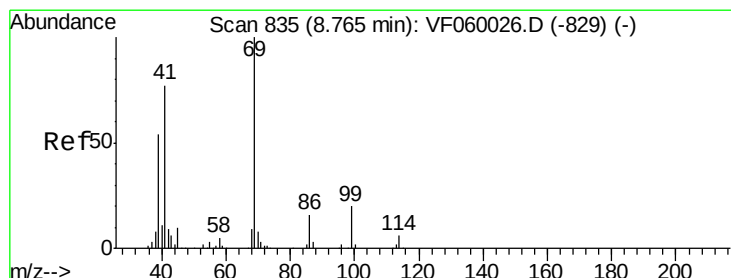
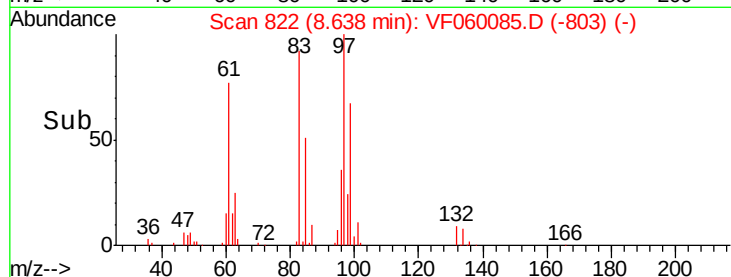
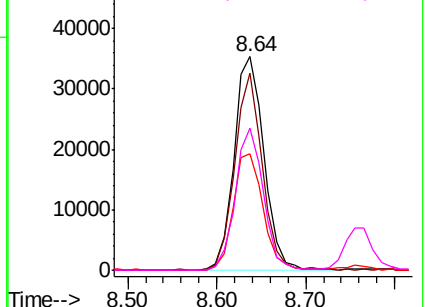


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 45.01 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

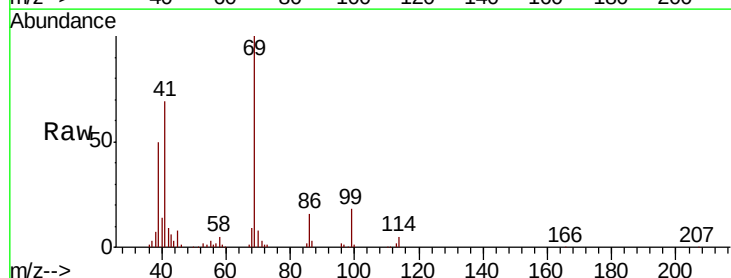
Tgt Ion: 69 Resp: 74947

Ion	Ratio	Lower	Upper
69	100		
41	69.5	61.6	92.4
39	50.2	43.9	65.9

69 100

41 69.5 61.6 92.4

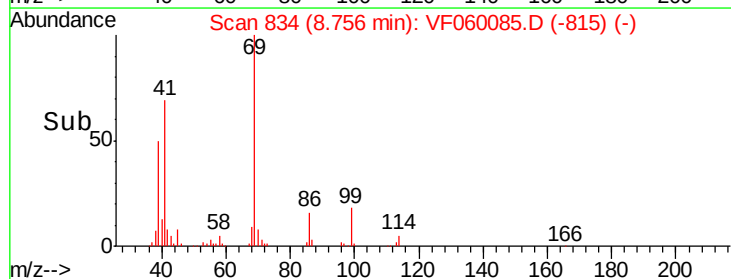
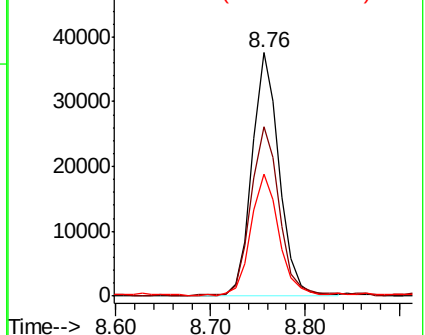
39 50.2 43.9 65.9

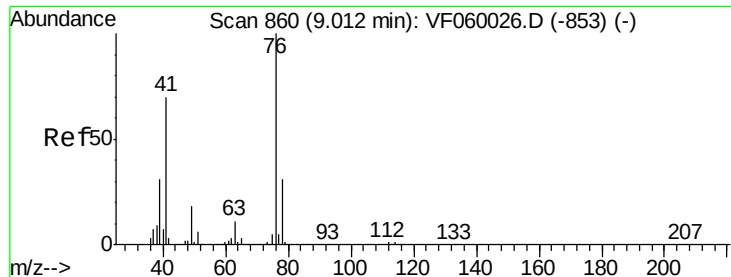


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 57.40 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

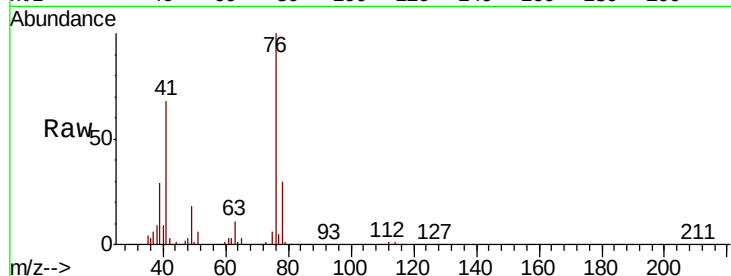
ClientSampleId :

Tot Ion: 76 Resp: 138768

Ion Ratio Lower Upper

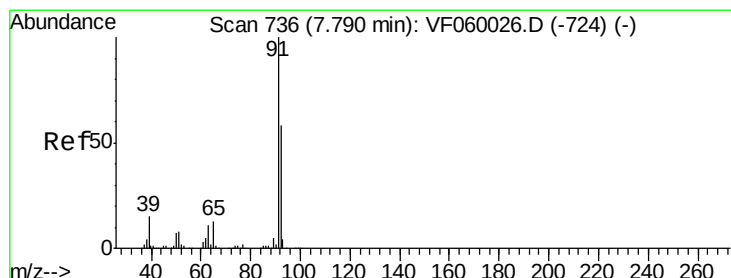
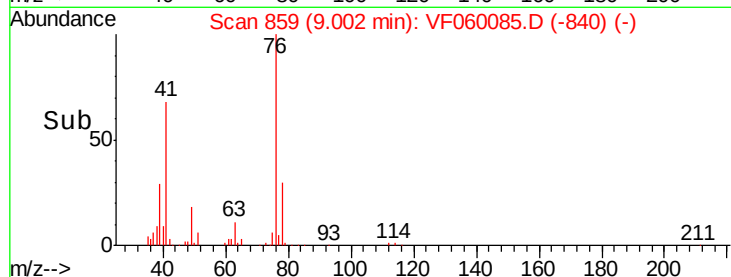
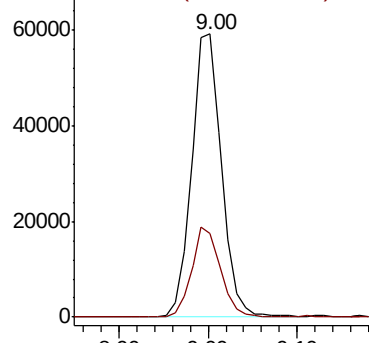
76 100

78 29.6 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 258.50 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060085.D

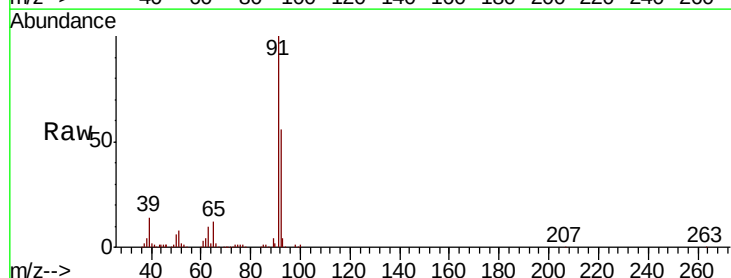
Acq: 24 Aug 2018 7:48

Tgt Ion: 63 Resp: 34164

Ion Ratio Lower Upper

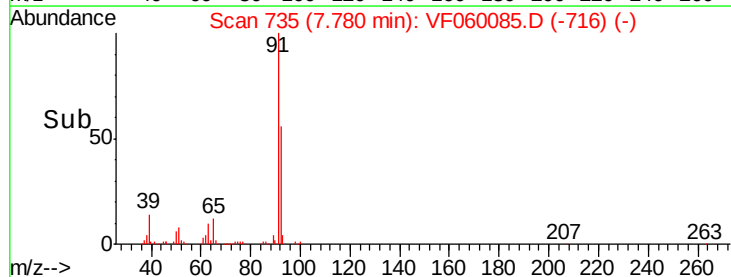
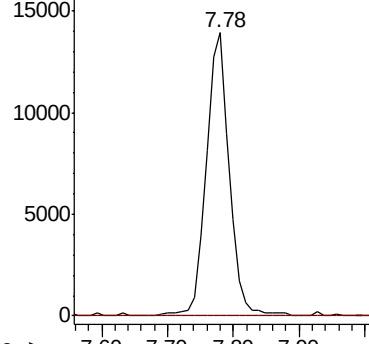
63 100

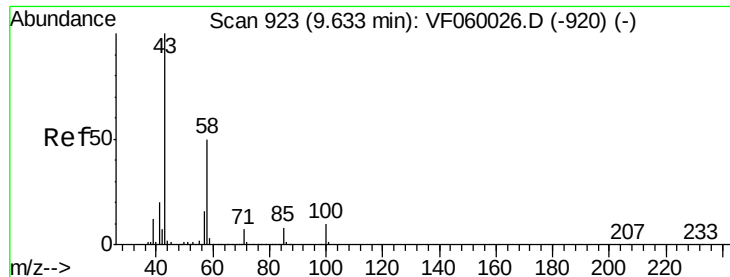
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

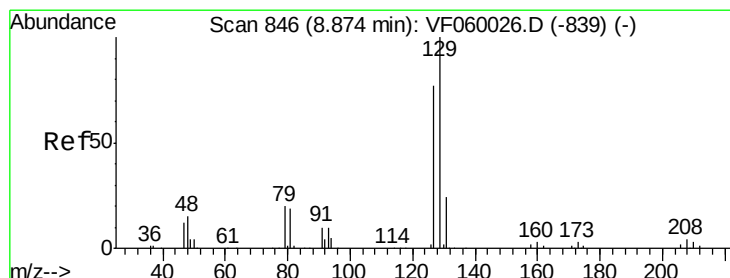
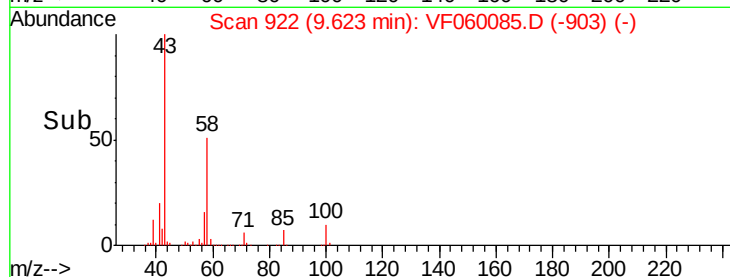
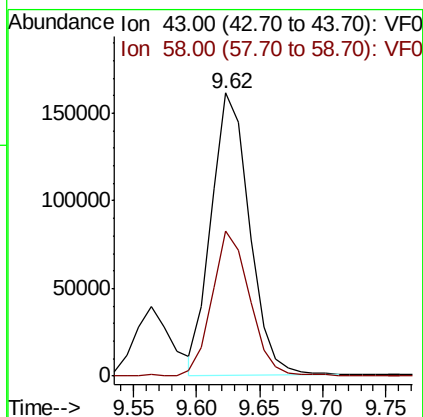
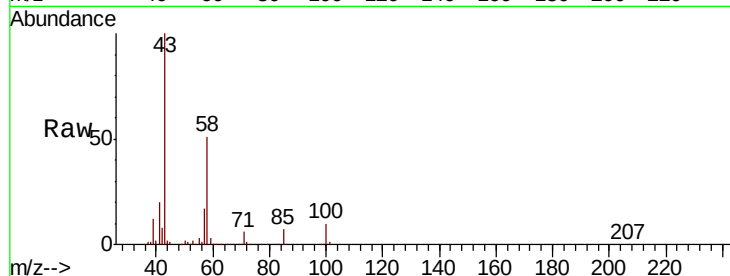




#59
2-Hexanone
Concen: 275.90 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

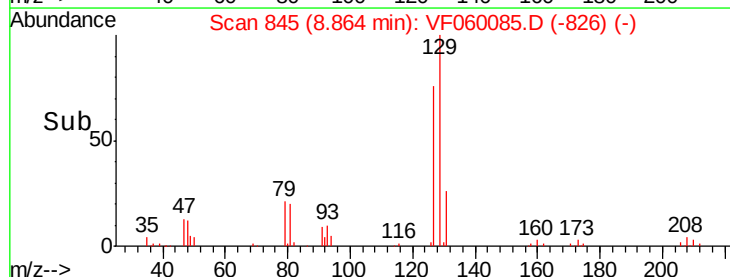
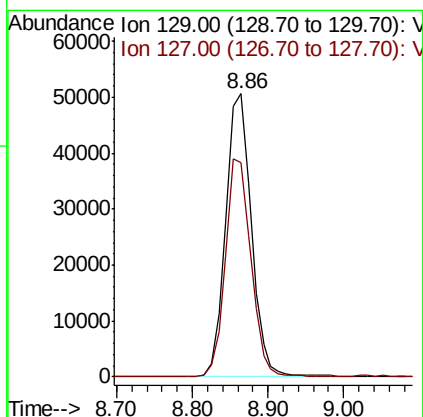
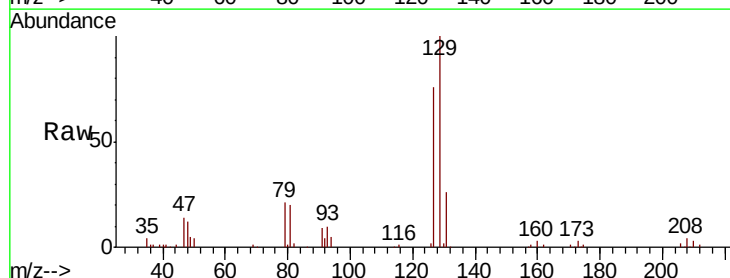
Instrument :
MSVOA_F
ClientSampleId :

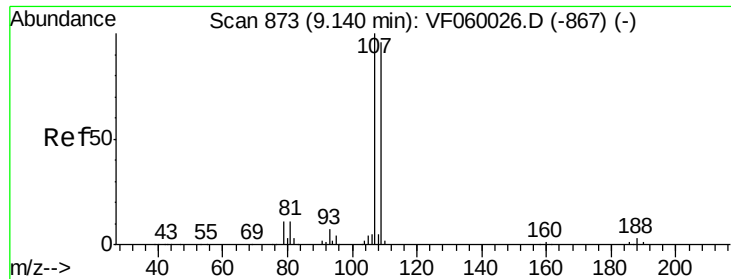
Tot Ion: 43 Resp: 338734
Ion Ratio Lower Upper
43 100
58 51.1 23.4 70.2



#60
Dibromochloromethane
Concen: 58.58 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 129 Resp: 118944
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 59.02 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

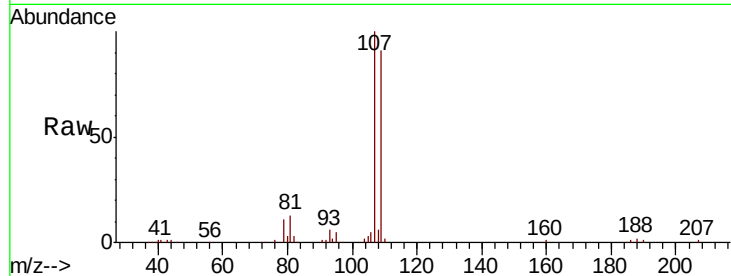
ClientSampleId :

Tot Ion:107 Resp: 95348

Ion Ratio Lower Upper

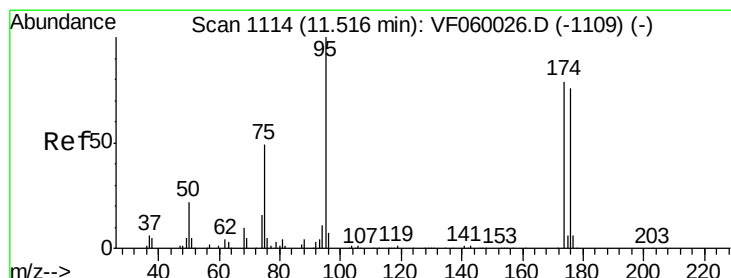
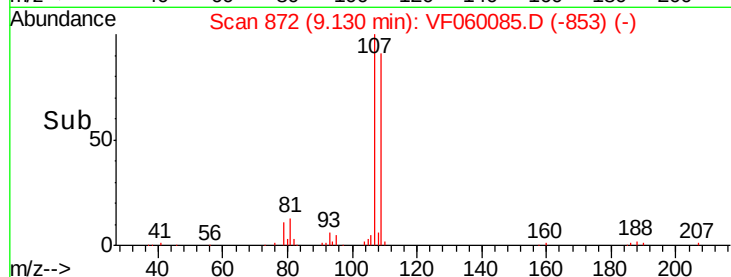
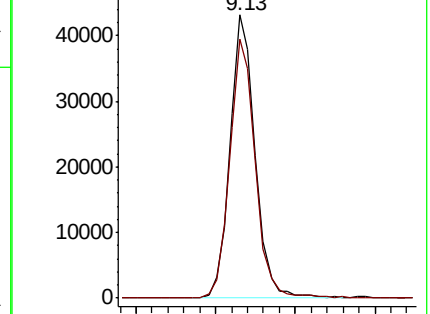
107 100

109 91.3 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.37 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

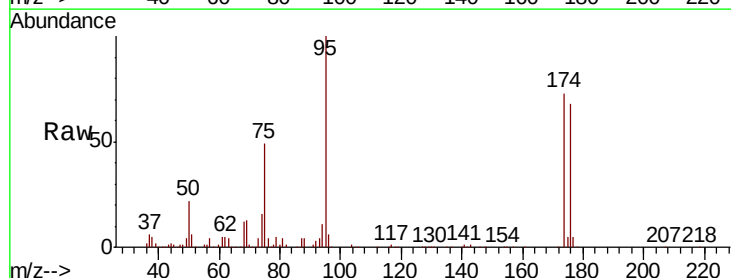
Tgt Ion: 95 Resp: 153433

Ion Ratio Lower Upper

95 100

174 73.0 0.0 158.4

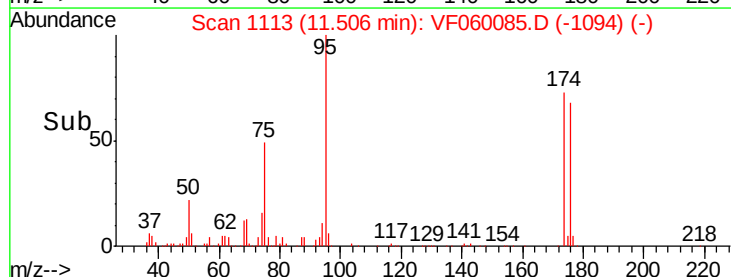
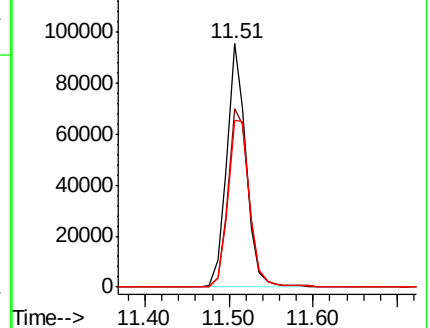
176 68.5 0.0 153.0

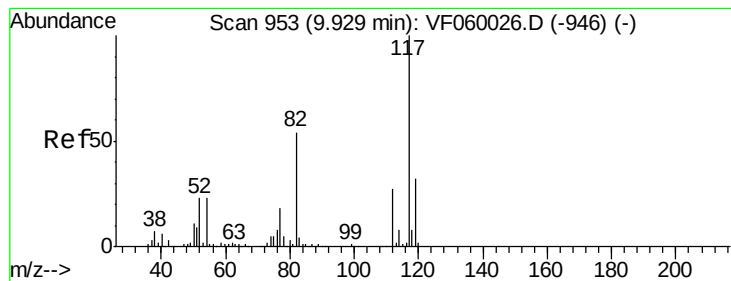


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

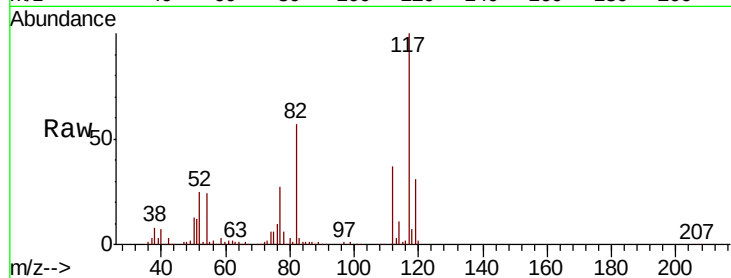
Tot Ion:117 Resp: 264404

Ion Ratio Lower Upper

117 100

82 56.9 43.6 65.4

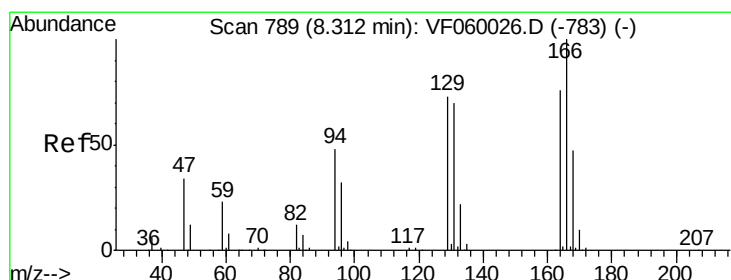
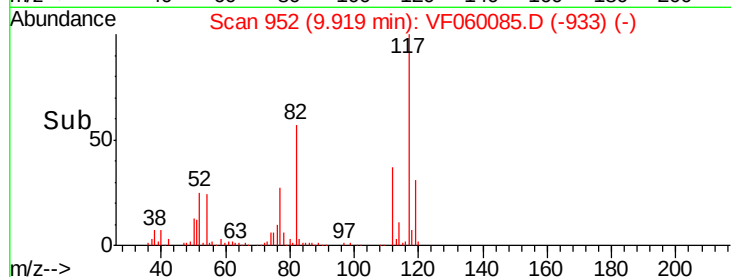
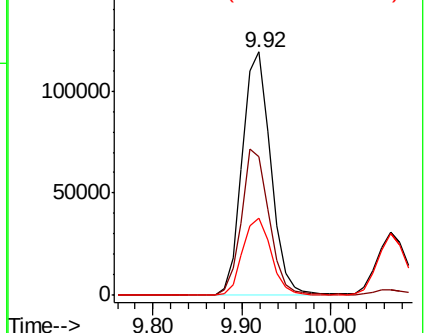
119 31.5 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 54.94 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:164 Resp: 97848

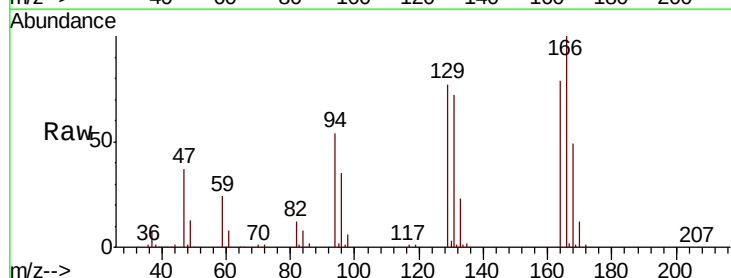
Ion Ratio Lower Upper

164 100

166 127.1 104.7 157.1

129 97.4 77.0 115.4

131 91.0 72.9 109.3

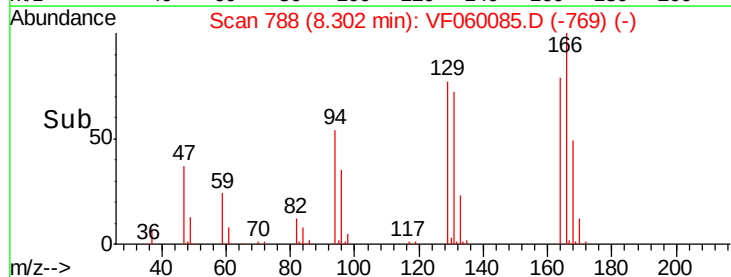
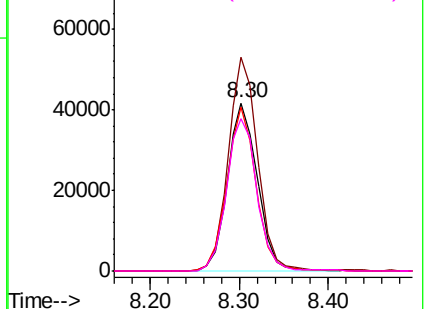


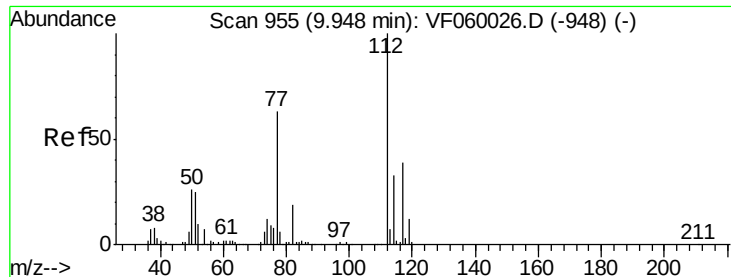
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

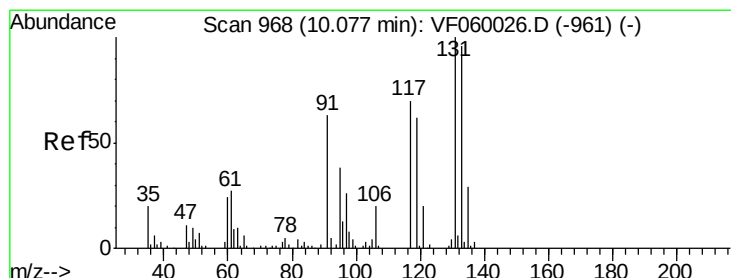
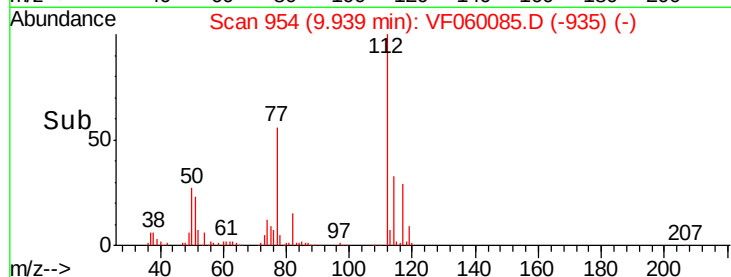
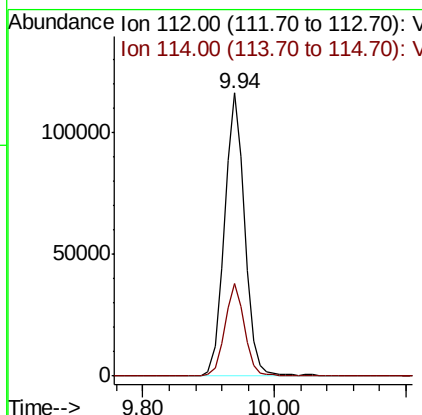
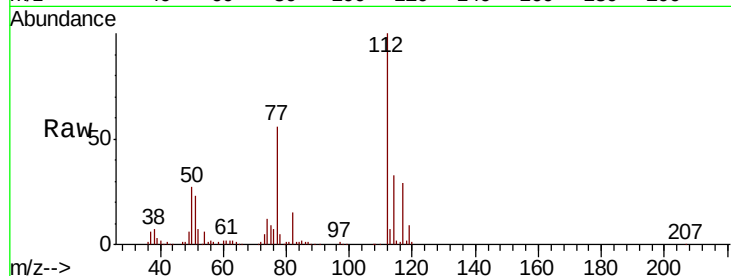




#65
Chlorobenzene
Concen: 50.36 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

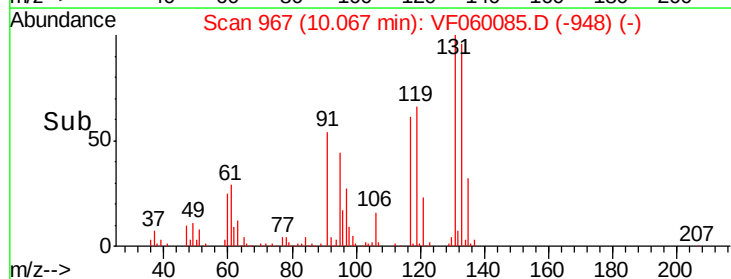
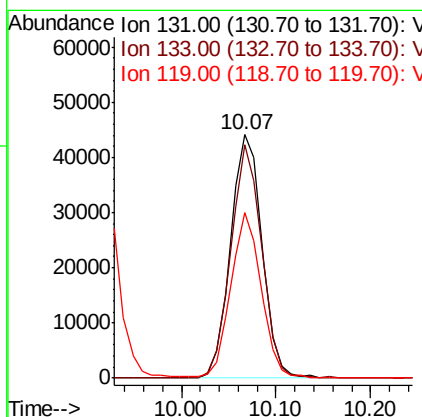
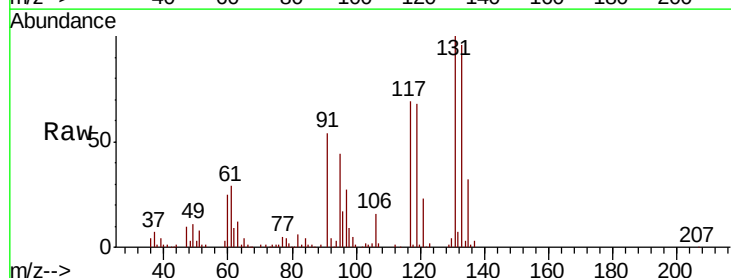
Instrument :
MSVOA_F
ClientSampleId :

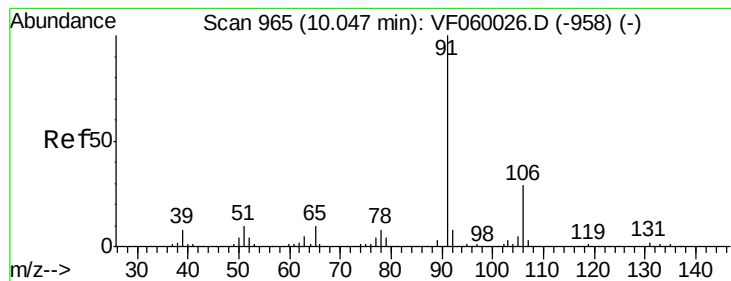
Tot Ion:112 Resp: 251422
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.43 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion:131 Resp: 101186
Ion Ratio Lower Upper
131 100
133 96.0 48.2 144.6
119 68.1 31.4 94.2





#67

Ethyl Benzene

Concen: 49.70 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

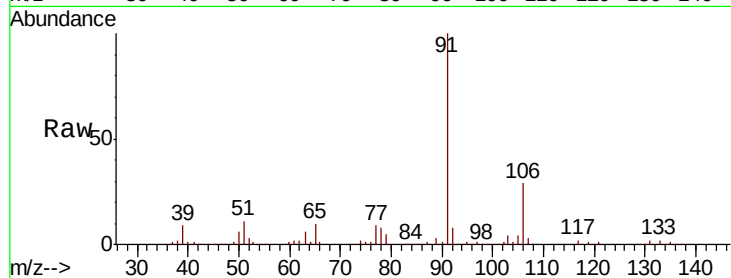
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 428123

Ion Ratio Lower Upper

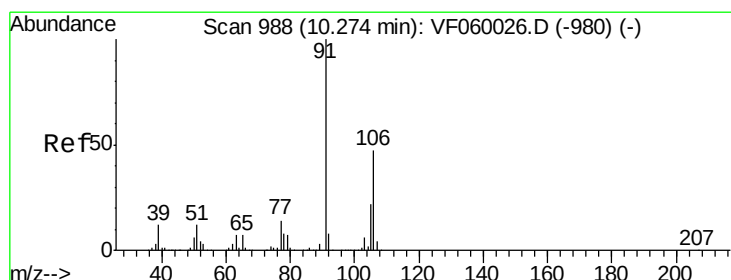
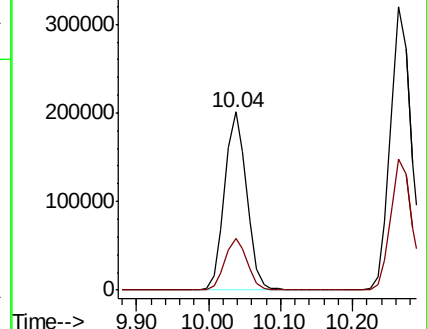
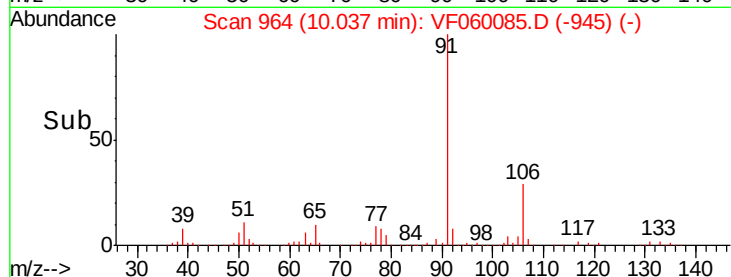
91 100

106 29.3 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.90 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060085.D

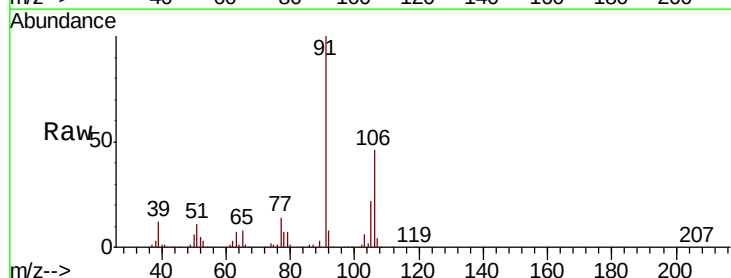
Acq: 24 Aug 2018 7:48

Tgt Ion:106 Resp: 308785

Ion Ratio Lower Upper

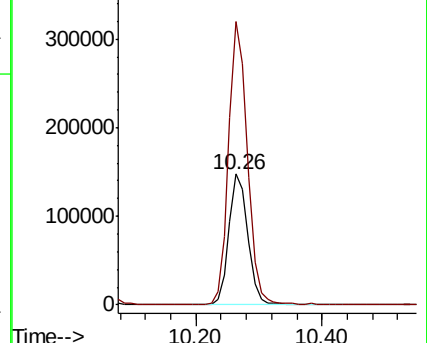
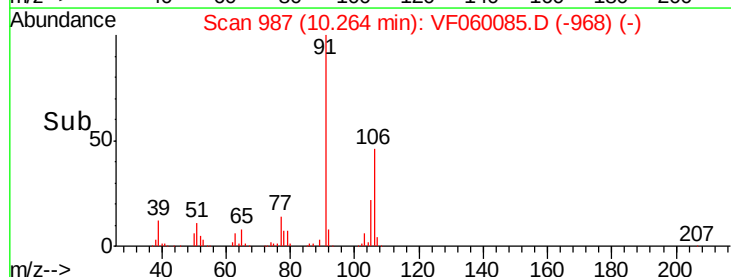
106 100

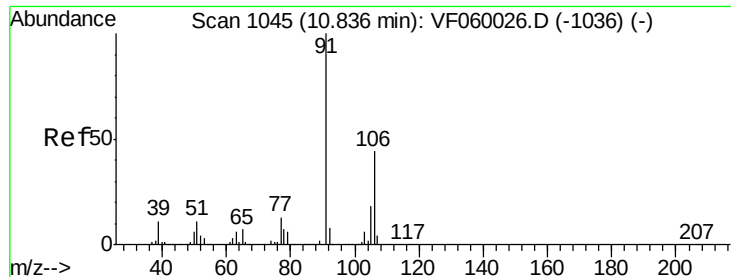
91 216.5 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

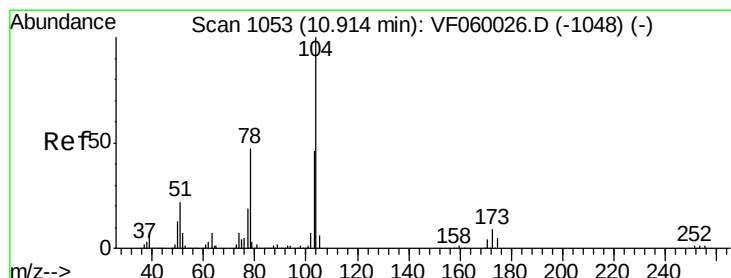
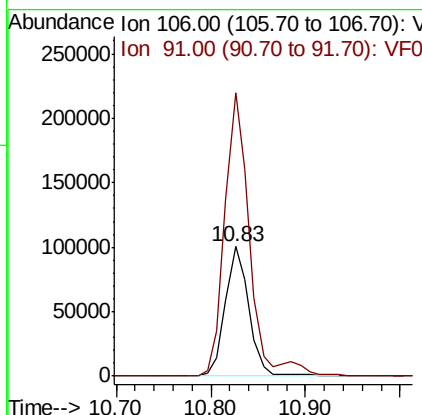
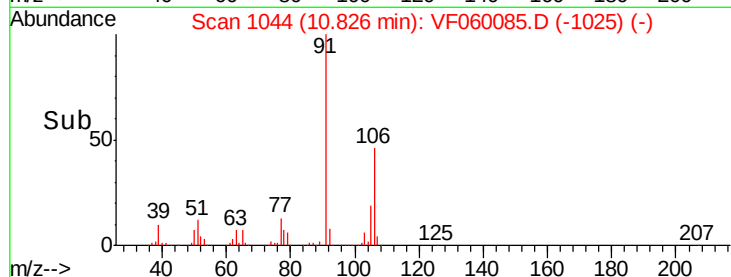
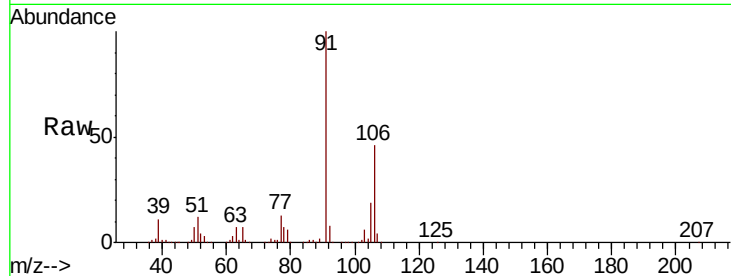




#69
o-Xylene
Concen: 51.58 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

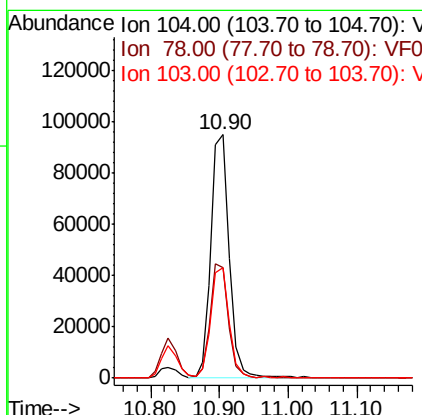
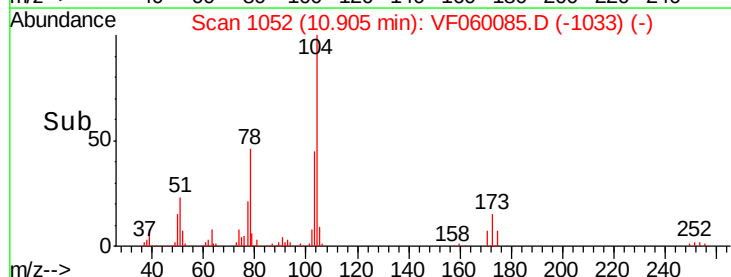
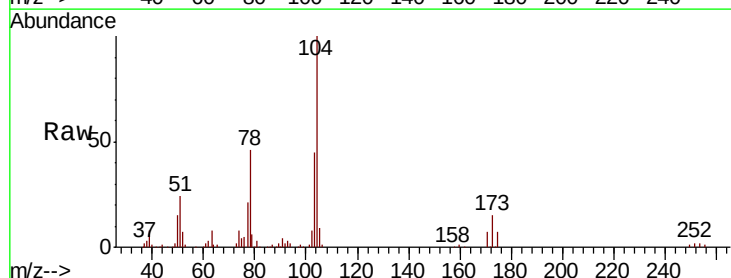
Instrument :
MSVOA_F
ClientSampled :

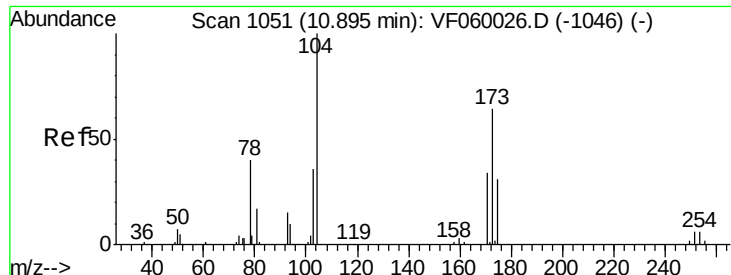
Tot Ion:106 Resp: 174077
Ion Ratio Lower Upper
106 100
91 218.4 112.5 337.5



#70
Styrene
Concen: 34.15 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion:104 Resp: 176842
Ion Ratio Lower Upper
104 100
78 45.6 38.0 57.0
103 45.3 37.6 56.4





#71

Bromoform

Concen: 56.72 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

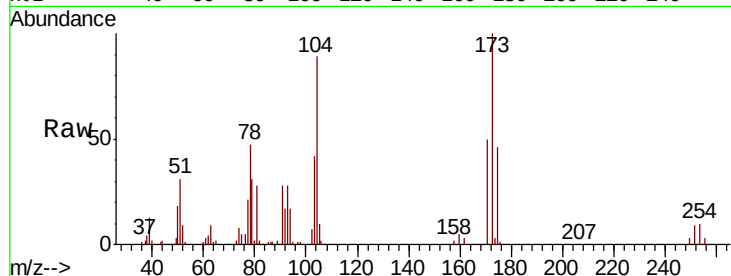
Tot Ion:173 Resp: 74934

Ion Ratio Lower Upper

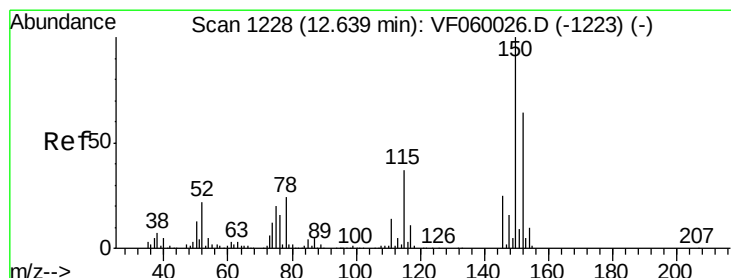
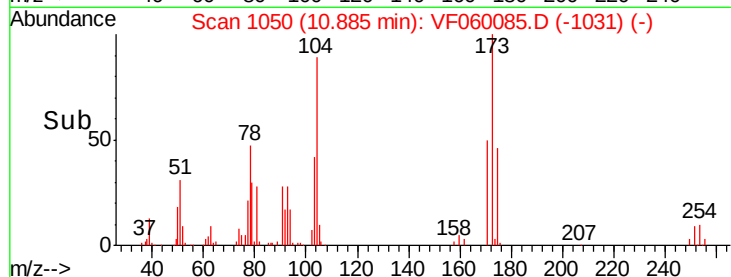
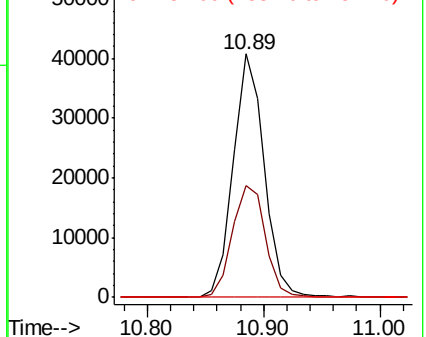
173 100

175 46.8 24.7 74.1

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: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

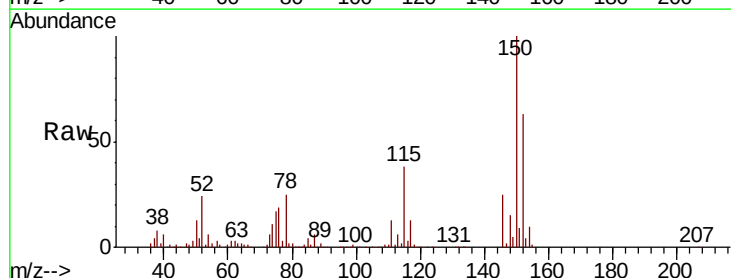
Tgt Ion:152 Resp: 158324

Ion Ratio Lower Upper

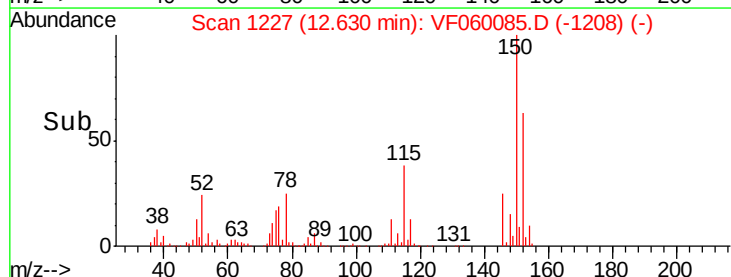
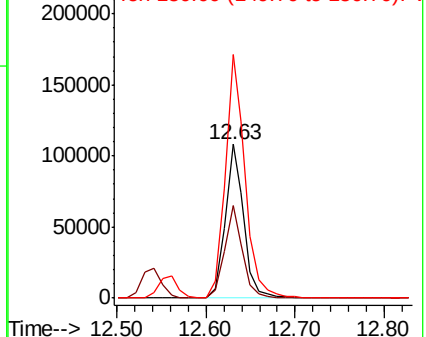
152 100

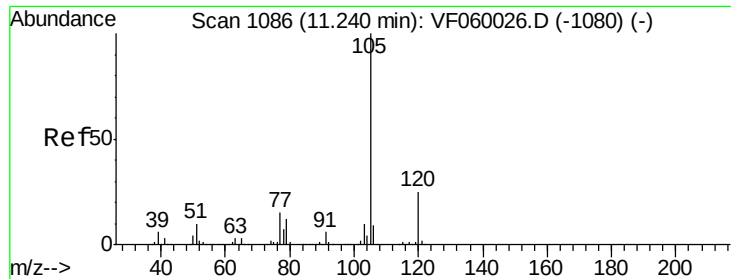
115 59.9 28.6 85.9

150 158.1 0.0 312.0



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: 52.08 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

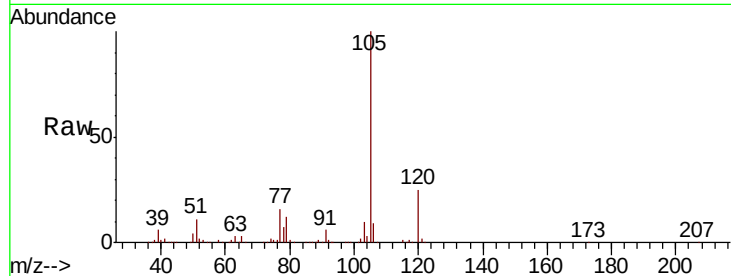
ClientSampleId :

Tot Ion:105 Resp: 496327

Ion Ratio Lower Upper

105 100

120 24.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

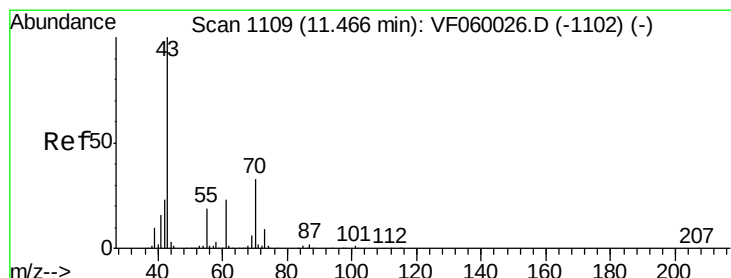
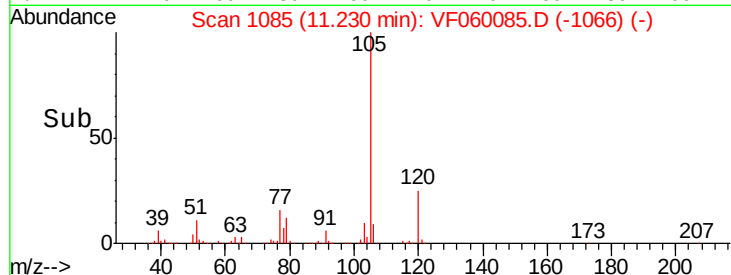
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 32.90 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion: 43 Resp: 97448

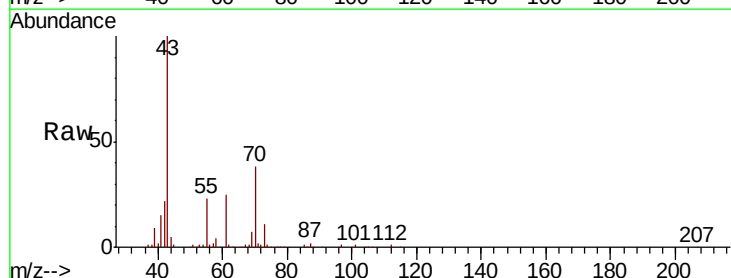
Ion Ratio Lower Upper

43 100

70 37.6 26.4 39.6

55 23.0 15.0 22.4

61 25.3 18.4 27.6



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

80000

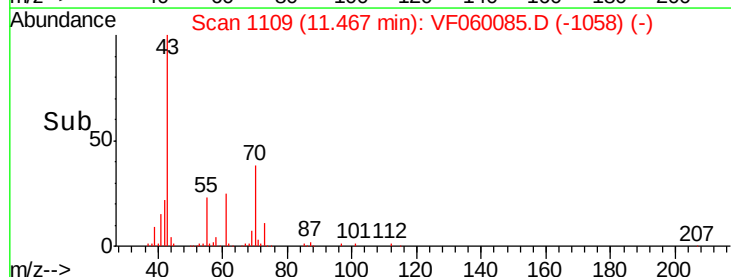
60000

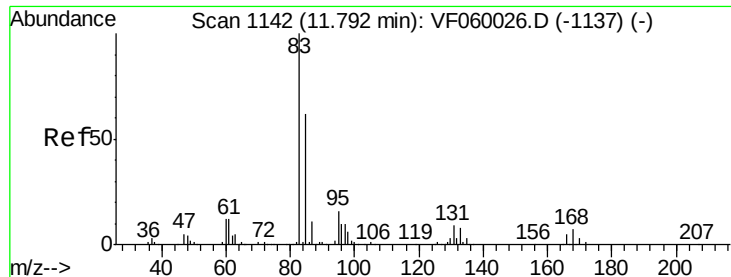
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 61.44 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

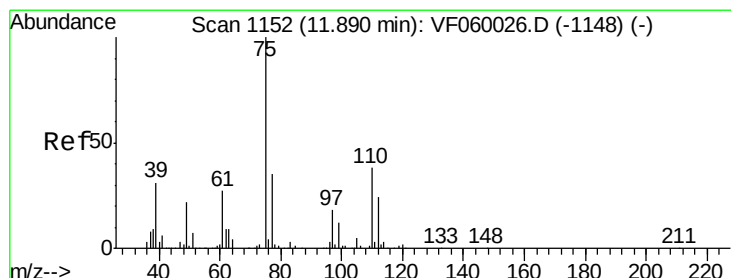
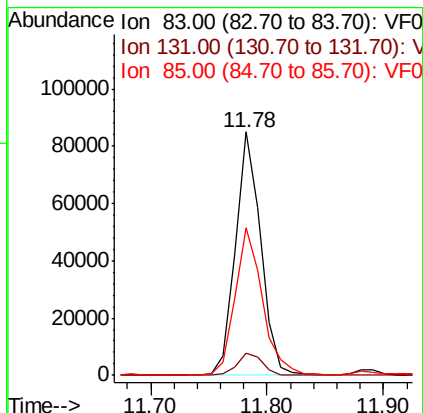
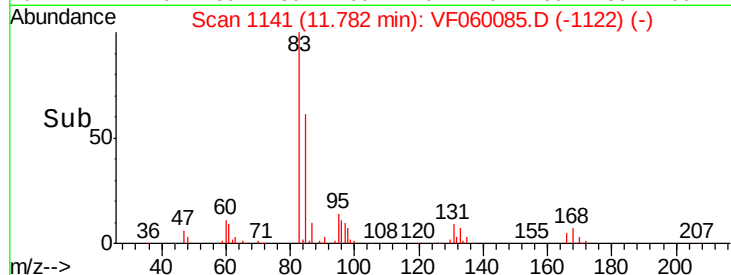
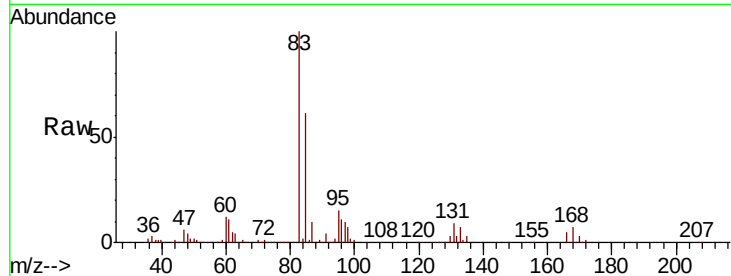
Tot Ion: 83 Resp: 127875

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.7

85 60.6 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 59.11 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060085.D

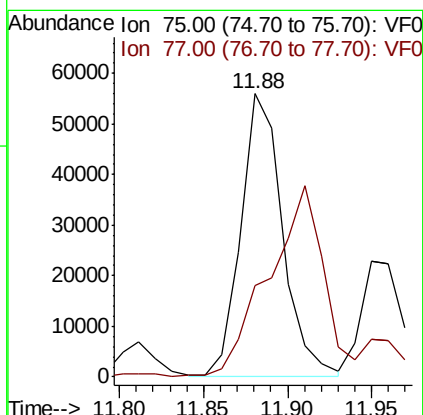
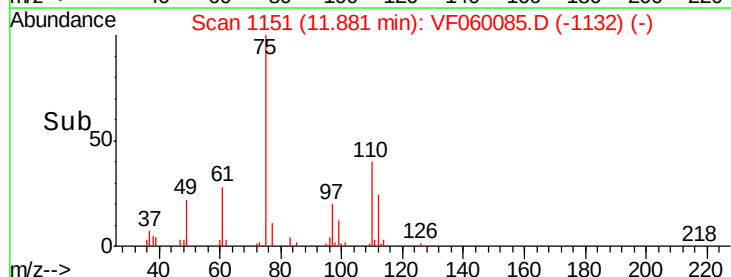
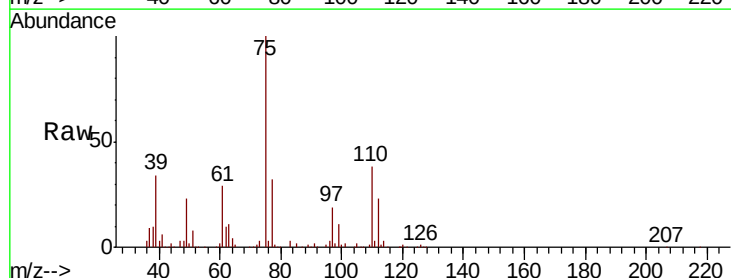
Acq: 24 Aug 2018 7:48

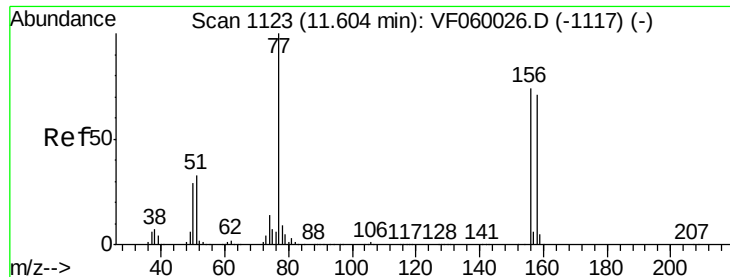
Tgt Ion: 75 Resp: 95404

Ion Ratio Lower Upper

75 100

77 32.3 17.3 52.0





#77

Bromobenzene

Concen: 50.39 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

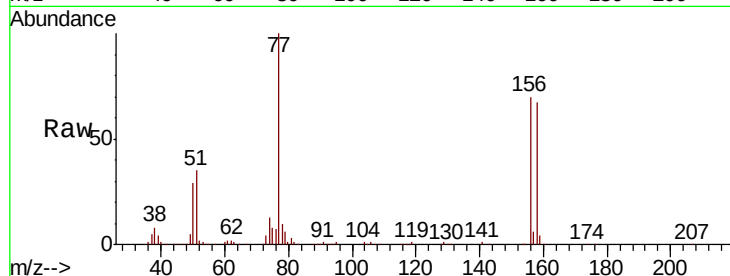
Tot Ion:156 Resp: 130590

Ion Ratio Lower Upper

156 100

77 142.7 68.0 204.0

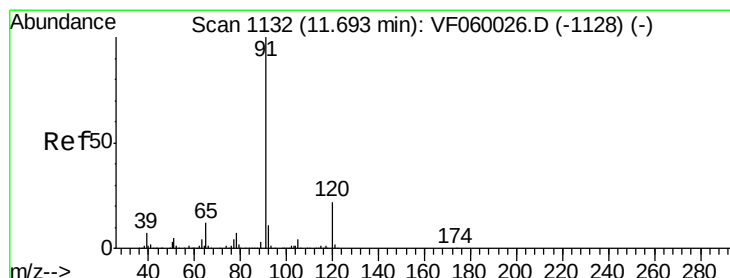
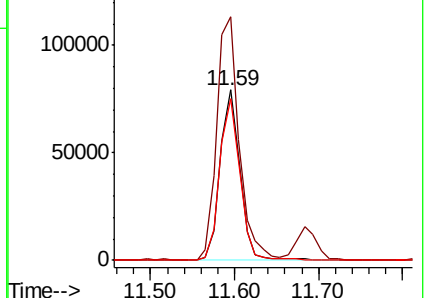
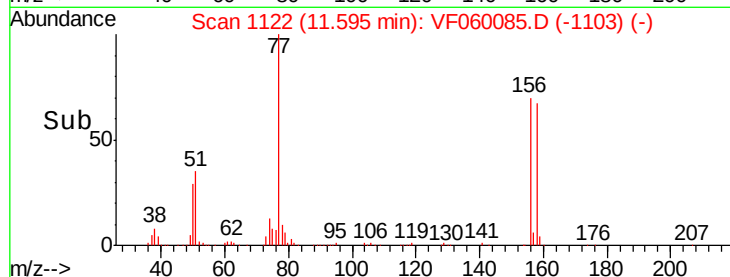
158 95.1 48.4 145.3



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: 50.61 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060085.D

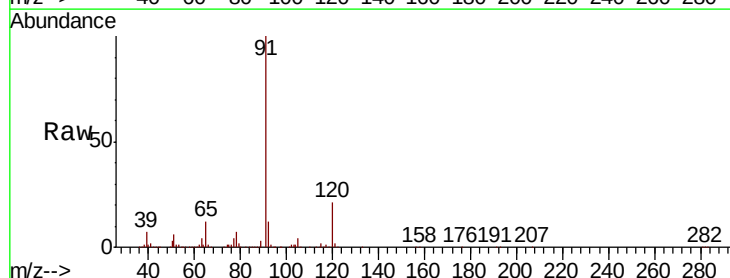
Acq: 24 Aug 2018 7:48

Tgt Ion: 91 Resp: 595331

Ion Ratio Lower Upper

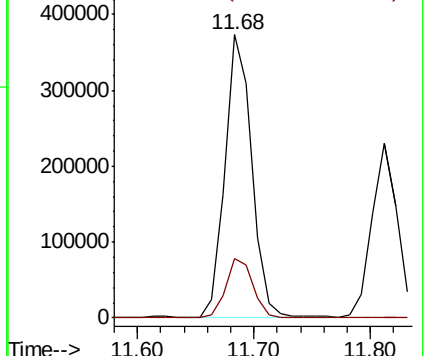
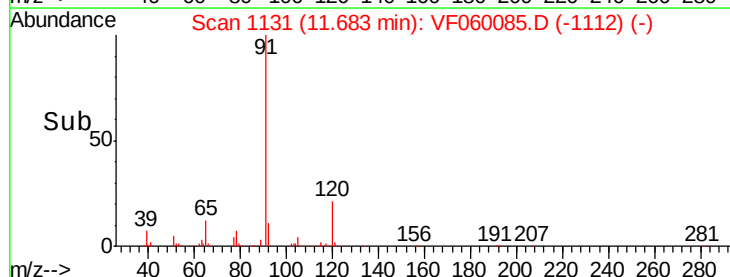
91 100

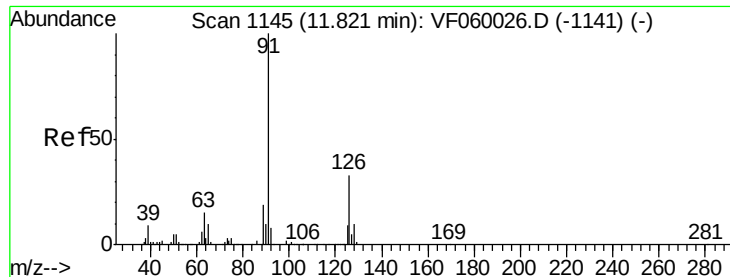
120 21.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.14 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

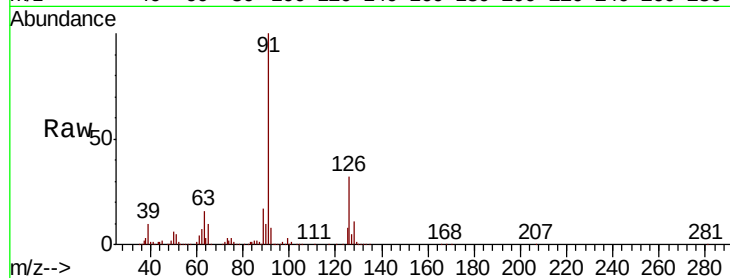
ClientSampled :

Tot Ion: 91 Resp: 346776

Ion Ratio Lower Upper

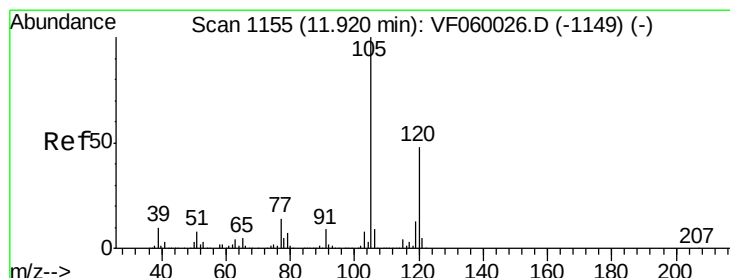
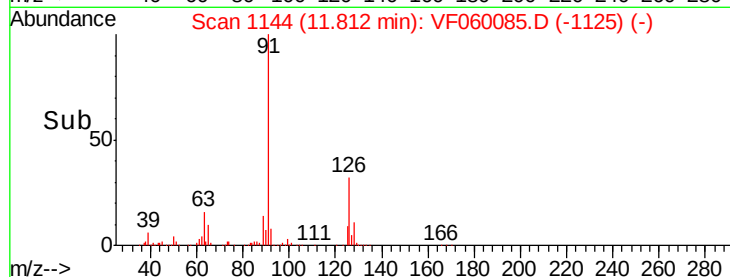
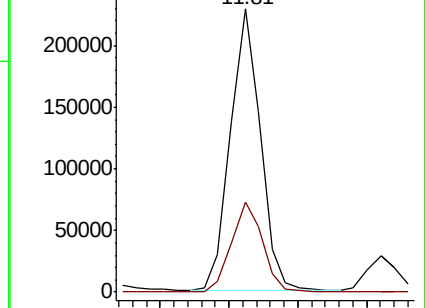
91 100

126 32.0 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.14 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060085.D

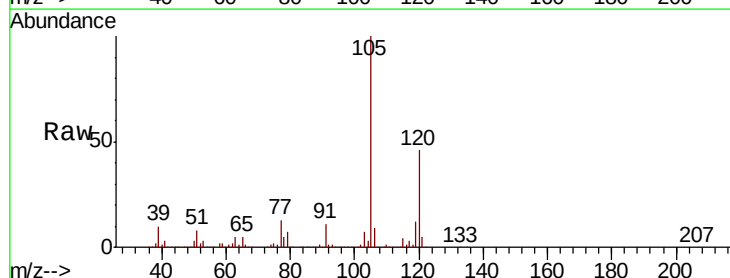
Acq: 24 Aug 2018 7:48

Tgt Ion:105 Resp: 424605

Ion Ratio Lower Upper

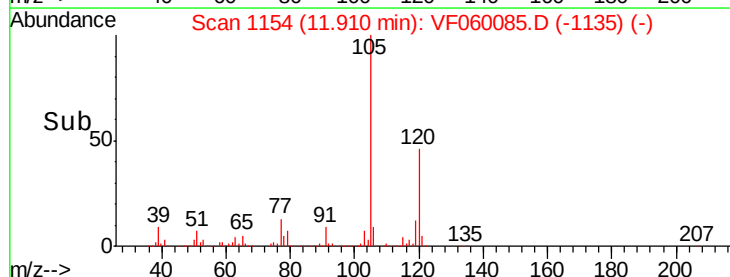
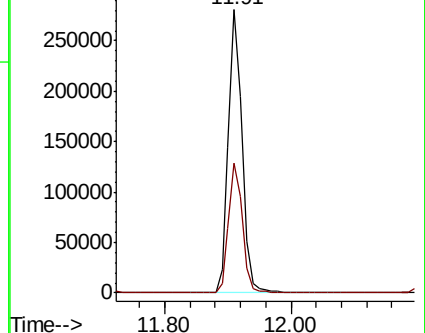
105 100

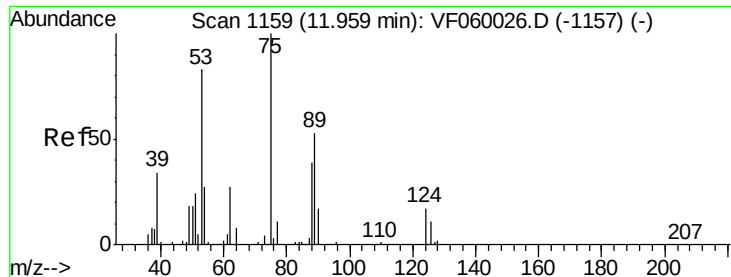
120 46.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

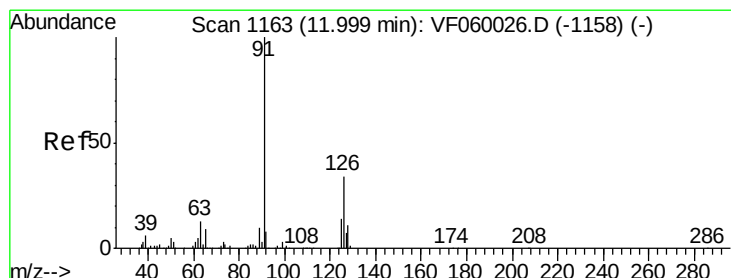
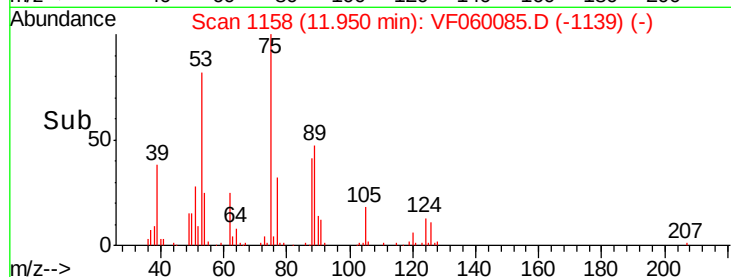
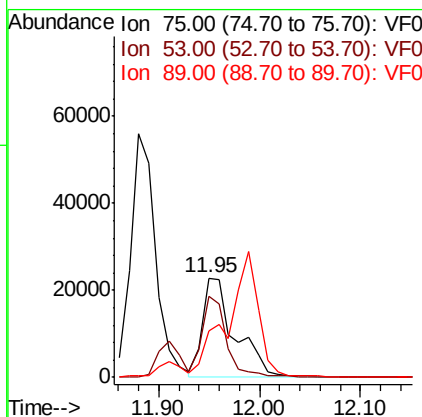
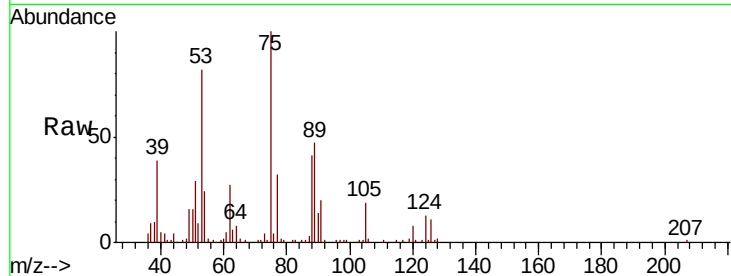




#81
trans-1,4-Dichloro-2-butene
Concen: 68.72 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

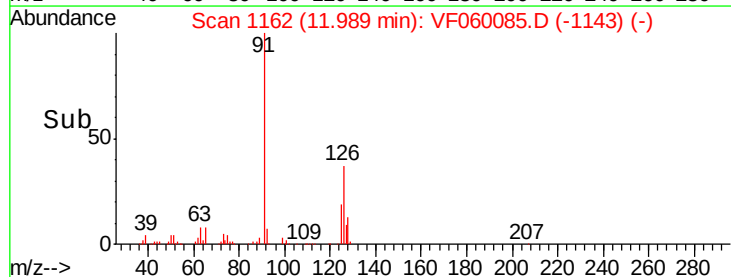
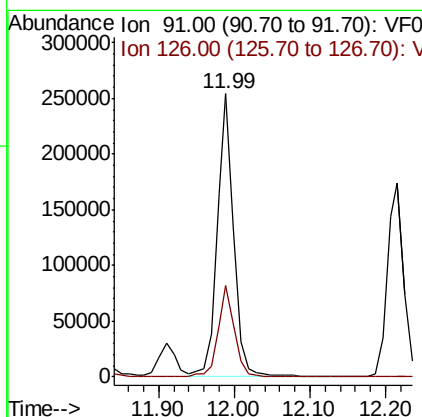
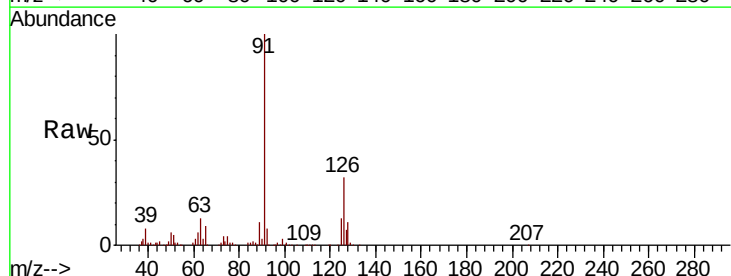
Instrument :
MSVOA_F
ClientSampleId :

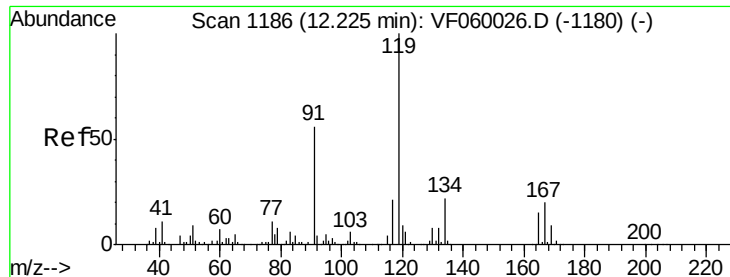
Tot Ion: 75 Resp: 50750
Ion Ratio Lower Upper
75 100
53 81.8 66.2 99.4
89 47.0 42.8 64.2



#82
4-Chlorotoluene
Concen: 51.41 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 91 Resp: 386019
Ion Ratio Lower Upper
91 100
126 32.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 50.74 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

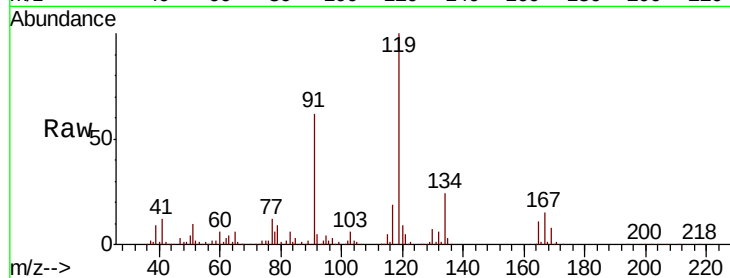
Tot Ion:119 Resp: 410860

Ion Ratio Lower Upper

119 100

91 62.2 28.1 84.3

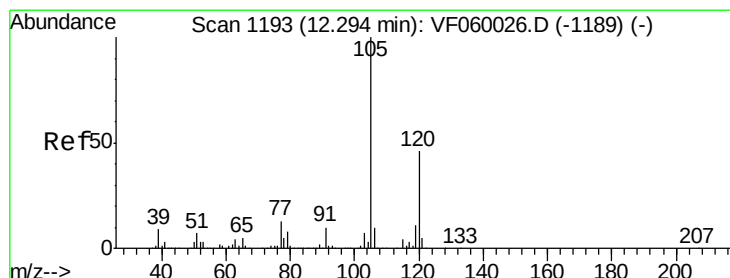
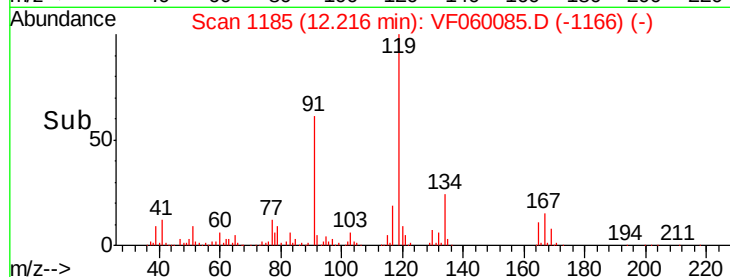
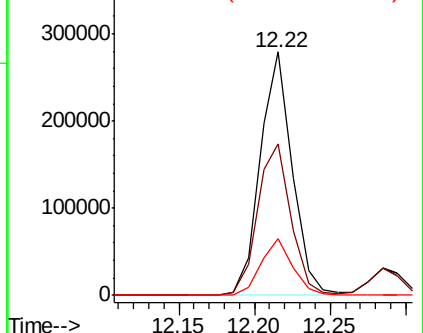
134 23.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.42 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060085.D

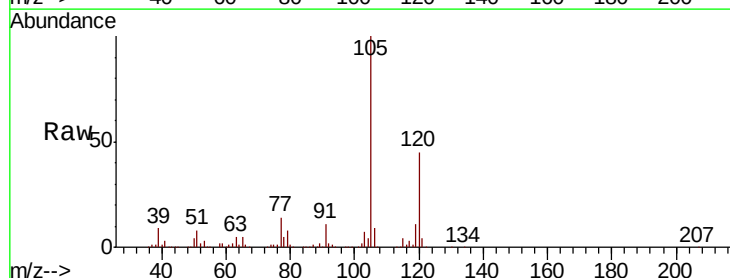
Acq: 24 Aug 2018 7:48

Tgt Ion:105 Resp: 418542

Ion Ratio Lower Upper

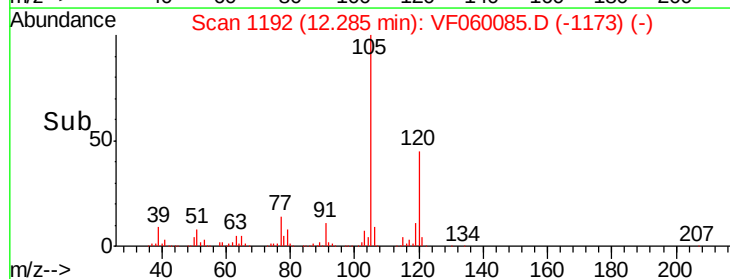
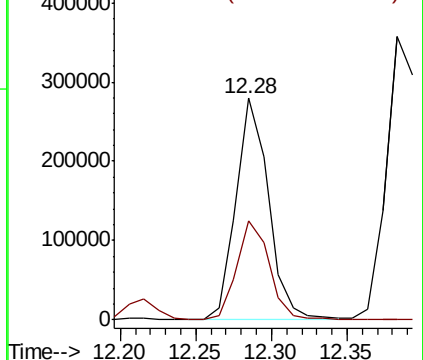
105 100

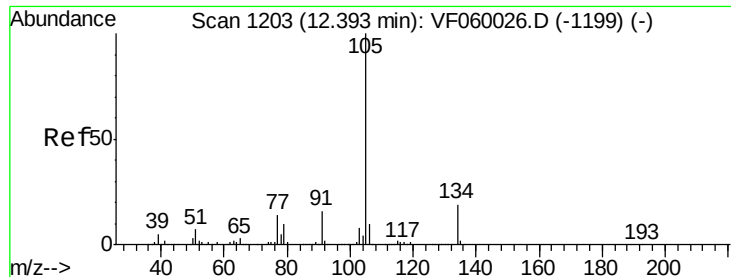
120 44.9 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

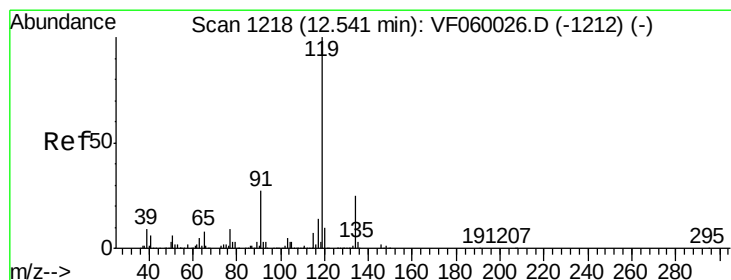
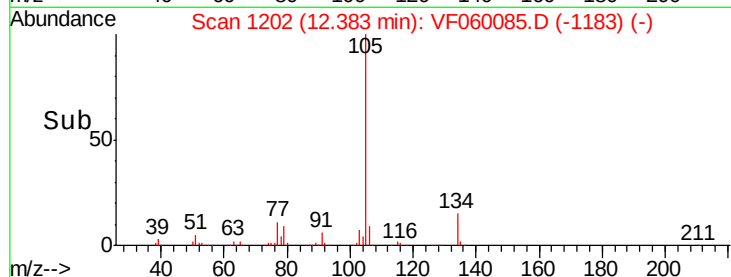
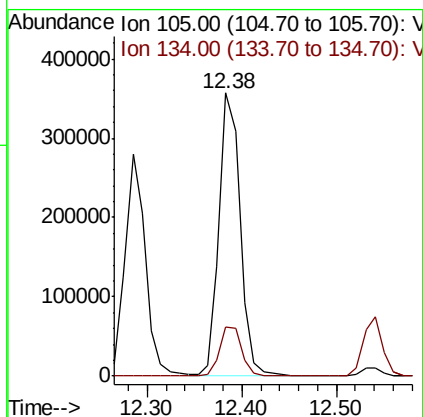
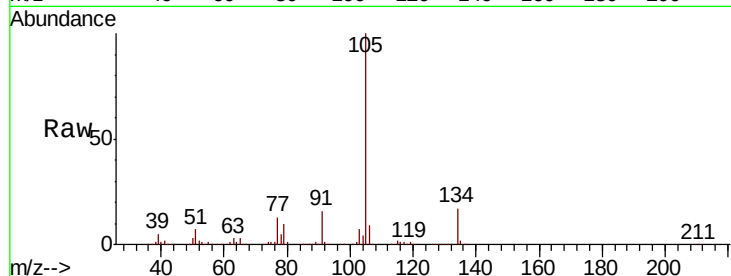




#85
 sec-Butylbenzene
 Concen: 49.13 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

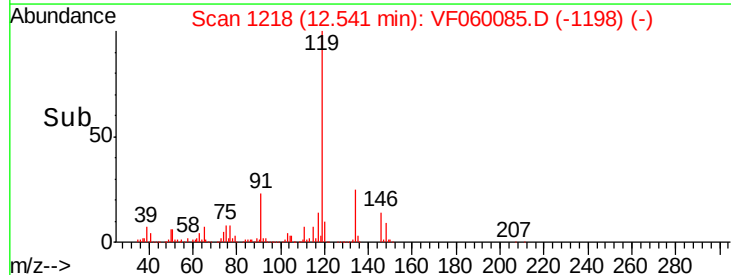
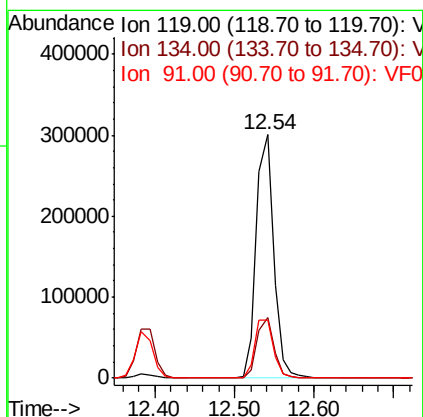
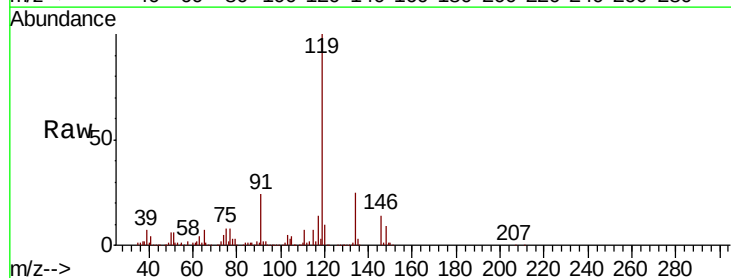
Instrument :
 MSVOA_F
 ClientSampleId :

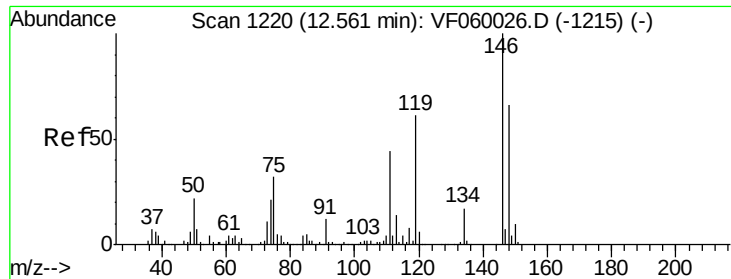
Tot Ion:105 Resp: 553844
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 48.12 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion:119 Resp: 450068
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.4 37.2
 91 23.7 13.5 40.4

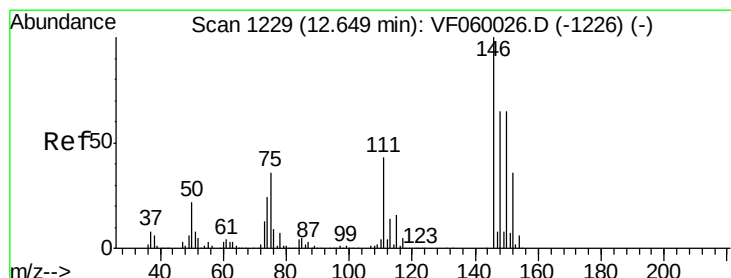
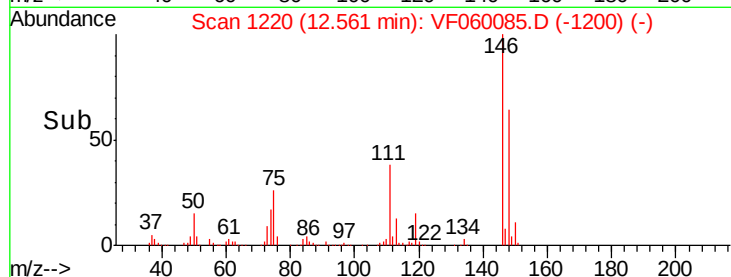
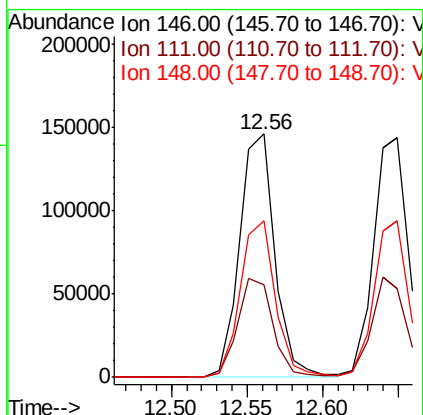
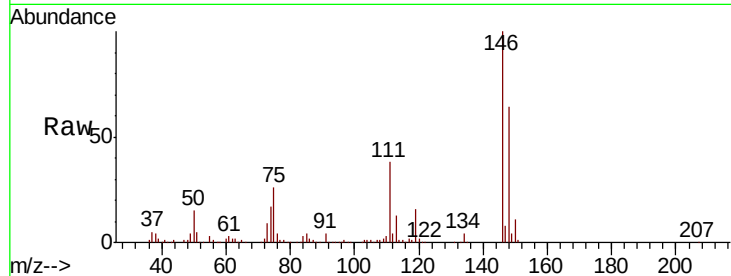




#87
 1,3-Dichlorobenzene
 Concen: 49.46 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

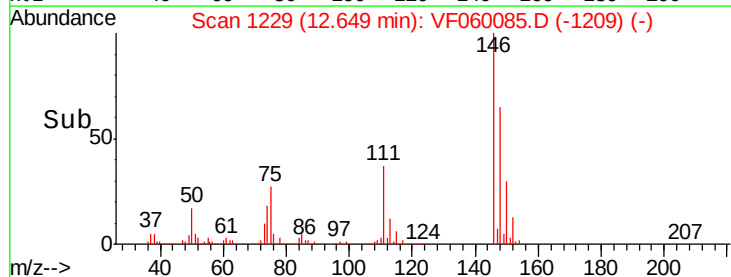
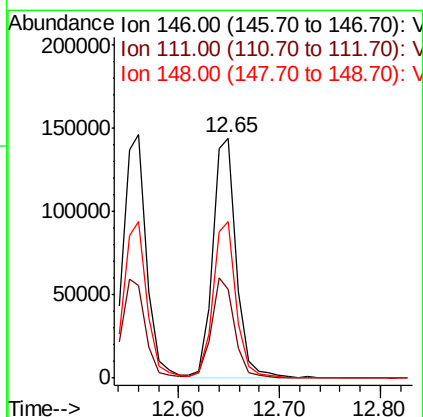
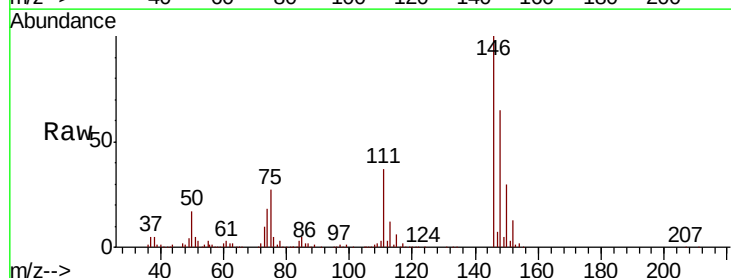
Instrument :
 MSVOA_F
 ClientSampleId :

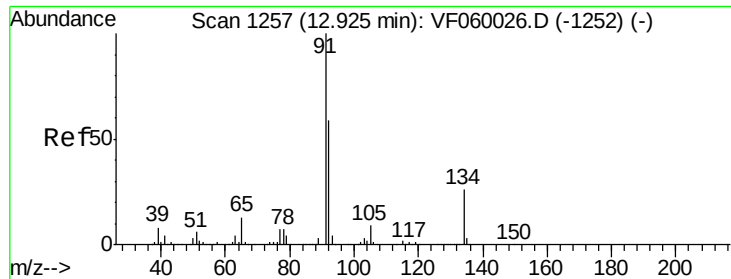
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.9	65.5
148	64.1	32.9	98.7



#88
 1,4-Dichlorobenzene
 Concen: 49.70 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	21.6	64.8
148	65.1	32.3	96.8

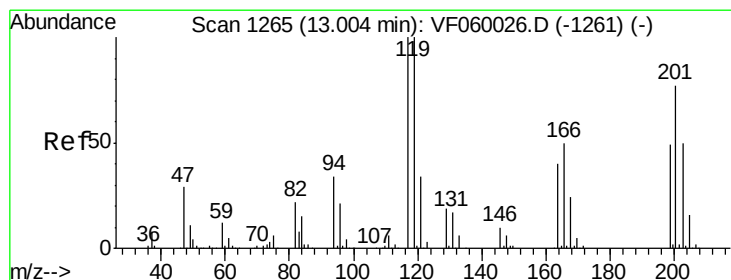
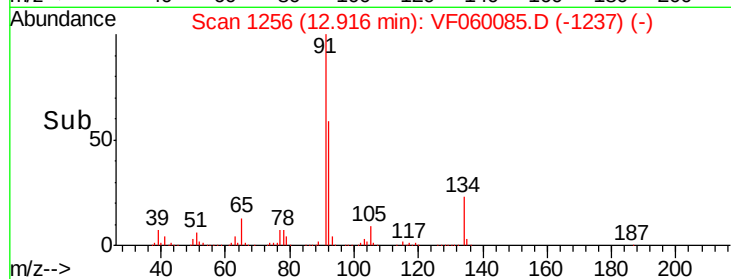
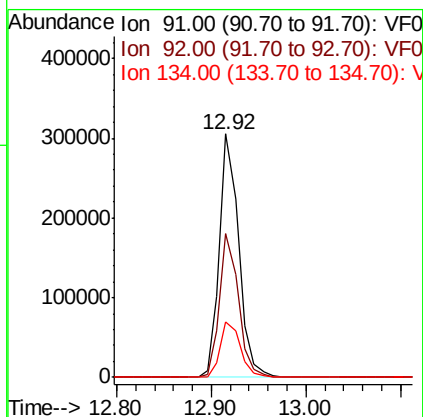
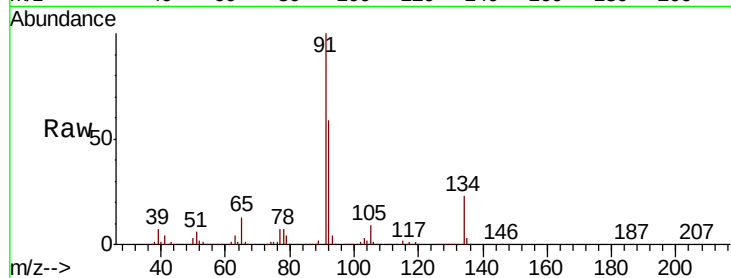




#89
n-Butylbenzene
Concen: 47.58 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

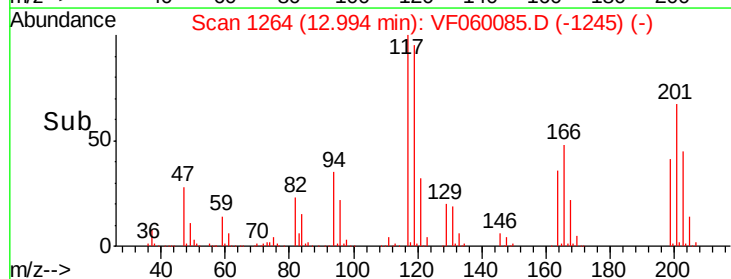
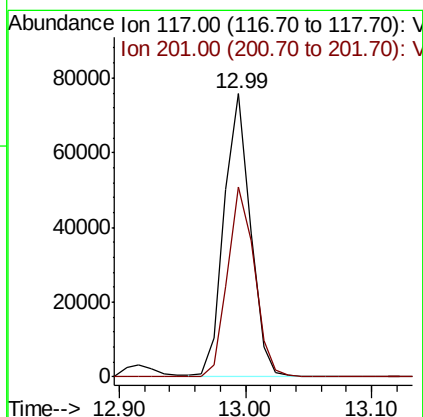
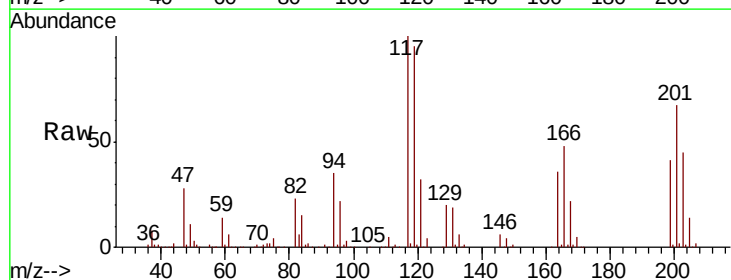
Instrument :
MSVOA_F
ClientSampleId :

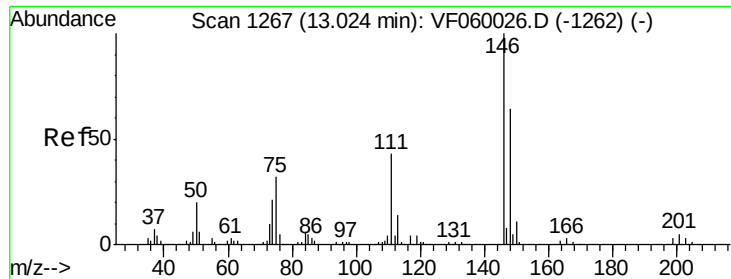
Tot Ion: 91 Resp: 432338
Ion Ratio Lower Upper
91 100
92 58.9 29.3 87.9
134 22.8 12.8 38.3



#90
Hexachloroethane
Concen: 52.37 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion: 117 Resp: 110063
Ion Ratio Lower Upper
117 100
201 68.8 38.6 115.8

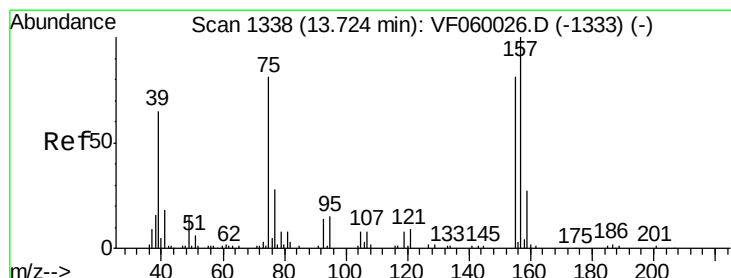
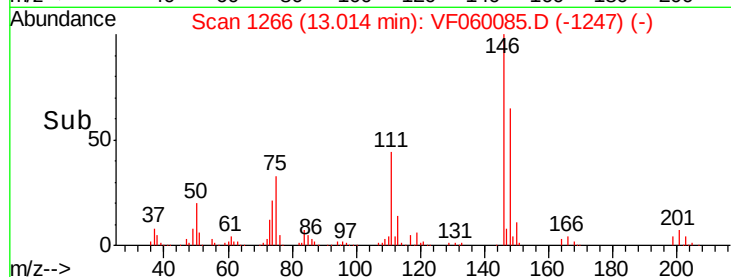
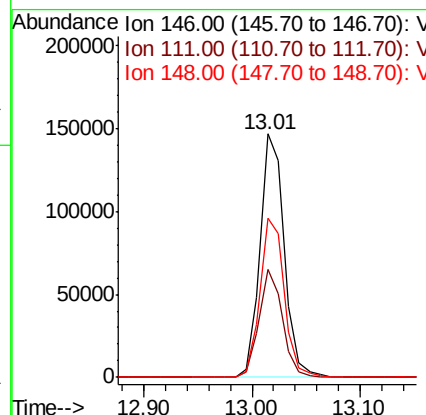
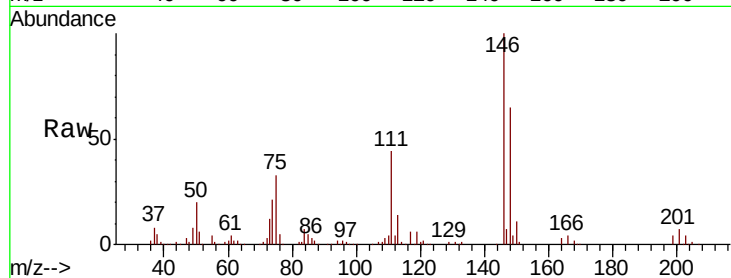




#91
 1,2-Dichlorobenzene
 Concen: 49.90 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

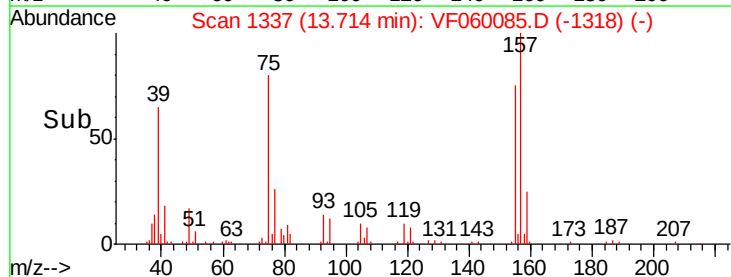
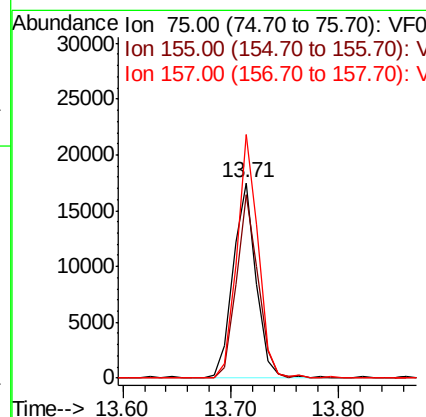
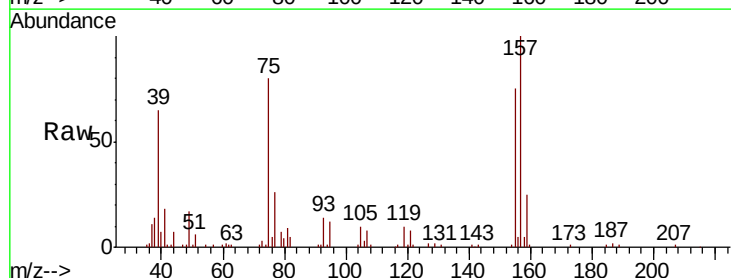
Instrument :
 MSVOA_F
 ClientSampleId :

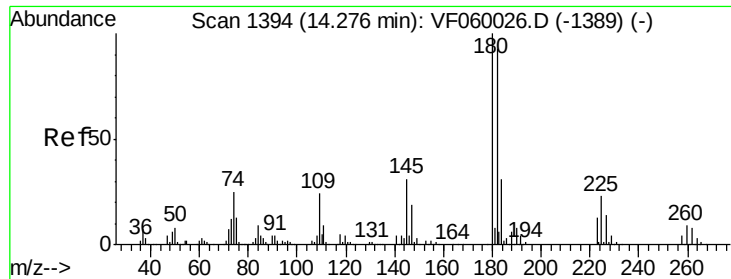
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	64.6
148	65.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.36 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	49.8	149.3
157	124.5	61.6	184.7

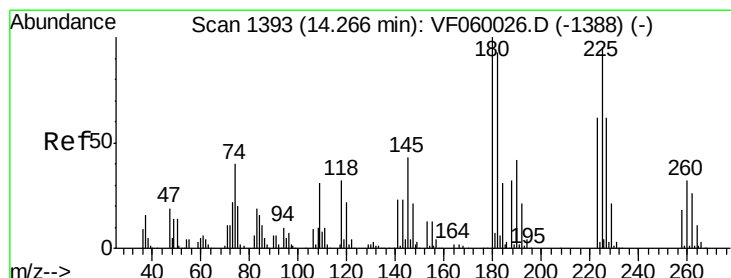
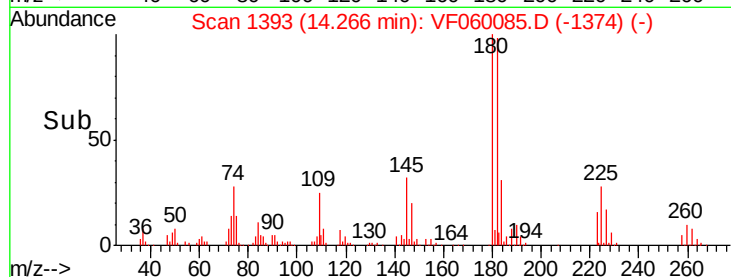
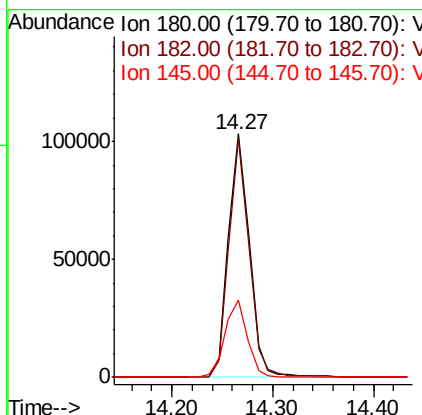
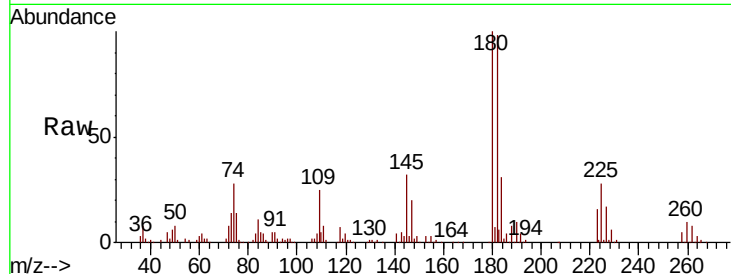




#93
 1,2,4-Trichlorobenzene
 Concen: 44.05 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

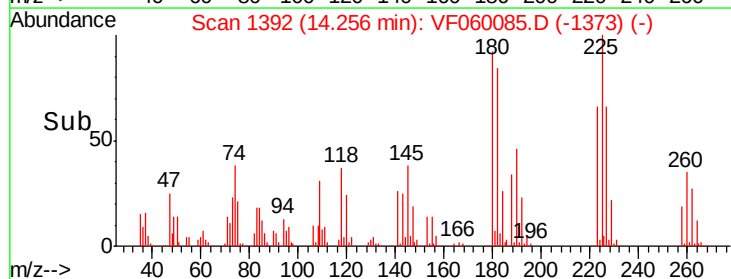
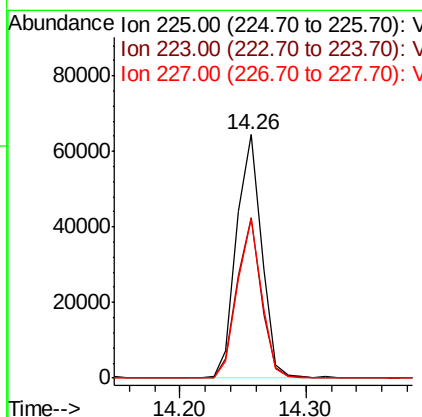
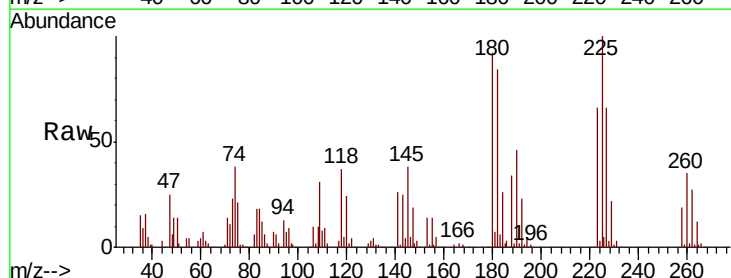
Instrument :
 MSVOA_F
 ClientSampled :

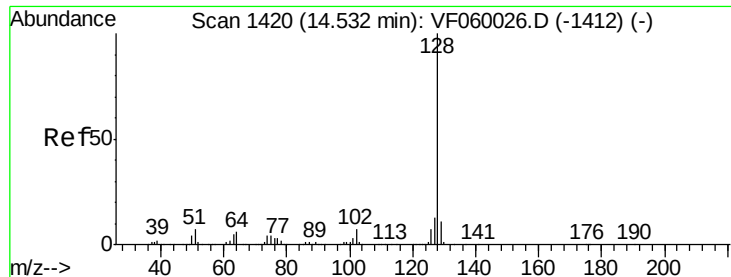
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	46.8	140.3
145	31.9	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 41.96 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	32.6	97.8
227	65.5	33.0	98.9

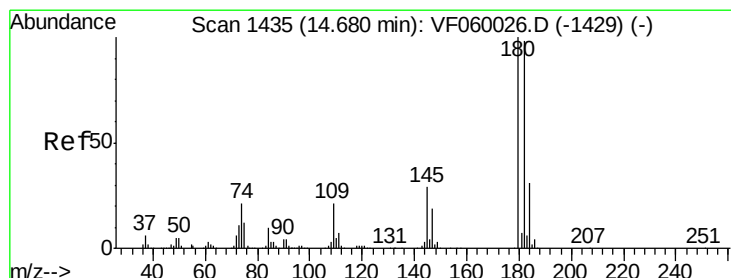
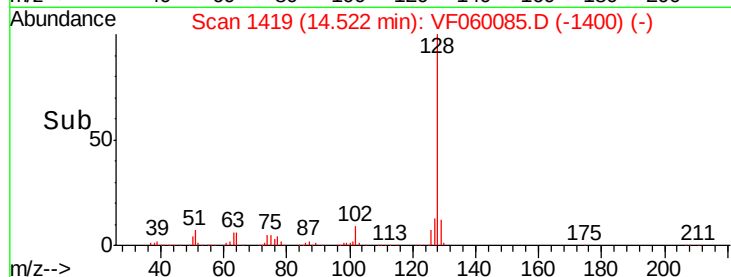
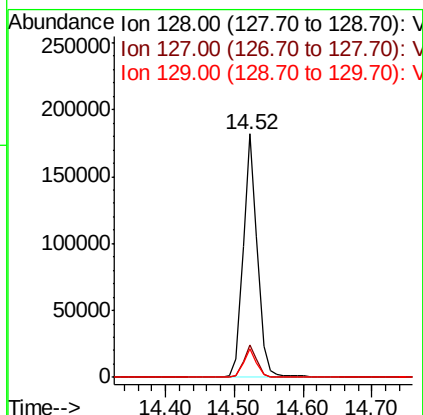
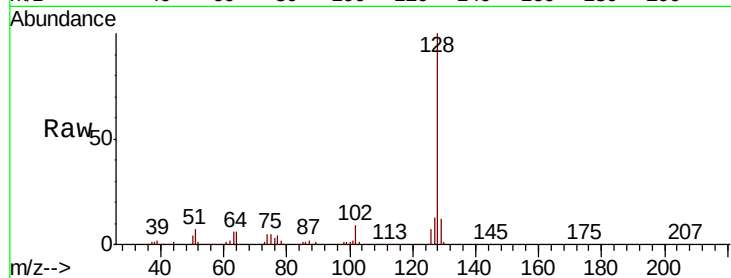




#95
Naphthalene
Concen: 44.26 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.7	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 47.10 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	49.0	147.2
145	29.6	14.4	43.2

