

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100118\
 Data File : VF060387.D
 Acq On : 1 Oct 2018 17:18
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 02 00:01:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	257786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	396569	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	375200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	204560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	22149	6.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.24%	
35) Dibromofluoromethane	4.26	113	20615	5.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.44%	
50) Toluene-d8	7.68	98	48456	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
62) 4-Bromofluorobenzene	11.49	95	20878	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.99	85	32156	6.513 ug/l	97
3) Chloromethane	1.14	50	16256	4.532 ug/l	94
4) Vinyl Chloride	1.18	62	17297	4.709 ug/l #	84
5) Bromomethane	1.35	94	16257	6.382 ug/l	90
6) Chloroethane	1.43	64	9727	5.527 ug/l #	68
7) Trichlorofluoromethane	1.53	101	45506	6.381 ug/l	90
8) Diethyl Ether	1.69	74	5629	4.989 ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	20154	5.465 ug/l	92
10) Methyl Iodide	1.97	142	22025	3.740 ug/l	99
11) Tert butyl alcohol	2.67	59	8596	37.148 ug/l #	15
12) 1,1-Dichloroethene	1.86	96	17020	5.694 ug/l #	71
13) Acrolein	2.08	56	6977	52.678 ug/l	86
14) Allyl chloride	2.17	41	25857	5.005 ug/l	94
15) Acrylonitrile	3.05	53	10169	20.972 ug/l	92
16) Acetone	2.32	43	26059	26.854 ug/l	100
17) Carbon Disulfide	1.89	76	47345	5.150 ug/l #	89
18) Methyl Acetate	2.43	43	6552	3.939 ug/l #	83
19) Methyl tert-butyl Ether	2.52	73	38514	5.132 ug/l #	81
20) Methylene Chloride	2.26	84	10442	2.984 ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	15783	5.086 ug/l	95
22) Diisopropyl ether	2.90	45	46064	4.765 ug/l #	94
23) Vinyl Acetate	3.32	43	90279	23.663 ug/l	97
24) 1,1-Dichloroethane	2.98	63	30906	4.848 ug/l #	92
25) 2-Butanone	4.49	43	30043	23.796 ug/l	97
26) 2,2-Dichloropropane	3.74	77	19914	5.537 ug/l	90
27) cis-1,2-Dichloroethene	3.61	96	17213	4.357 ug/l	93
28) Bromochloromethane	3.86	49	13007	5.241 ug/l #	70
29) Tetrahydrofuran	4.23	42	9447	19.908 ug/l	93
30) Chloroform	4.01	83	37729	4.933 ug/l	89
31) Cyclohexane	3.83	56	8277	1.573 ug/l #	88
32) 1,1,1-Trichloroethane	4.24	97	32728	5.340 ug/l	95
36) 1,1-Dichloropropene	4.43	75	25882	5.190 ug/l	95
37) Ethyl Acetate	4.27	43	13110	6.362 ug/l #	52
38) Carbon Tetrachloride	4.14	117	33786	6.018 ug/l	95

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 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 02 00:01:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	26687	5.092	ug/l	86
40) Benzene	4.78	78	51823	4.724	ug/l	98
41) Methacrylonitrile	4.89	41	5357	4.846	ug/l #	86
42) 1,2-Dichloroethane	5.09	62	23038	5.425	ug/l	89
43) Isopropyl Acetate	7.09	43	13098	5.274	ug/l #	80
44) Trichloroethene	5.65	130	16981	5.168	ug/l	94
45) 1,2-Dichloropropane	6.37	63	12800	4.479	ug/l	99
46) Dibromomethane	6.23	93	9862	4.724	ug/l #	85
47) Bromodichloromethane	6.52	83	25572	5.073	ug/l #	89
48) Methyl methacrylate	6.85	41	7580	4.291	ug/l #	51
49) 1,4-Dioxane	6.85	88	1043	66.723	ug/l #	55
51) 4-Methyl-2-Pentanone	8.38	43	48408	25.966	ug/l	89
52) Toluene	7.75	92	33359	4.766	ug/l	88
53) t-1,3-Dichloropropene	8.40	75	21741	5.410	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	22424	4.447	ug/l	94
55) 1,1,2-Trichloroethane	8.62	97	10275	4.838	ug/l	93
56) Ethyl methacrylate	8.75	69	11429	4.451	ug/l	92
57) 1,3-Dichloropropane	8.97	76	16945	4.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.75	63	6362	27.334	ug/l	100
59) 2-Hexanone	9.61	43	35866	27.208	ug/l	89
60) Dibromochloromethane	8.84	129	14644	4.575	ug/l	73
61) 1,2-Dibromoethane	9.11	107	11230	4.696	ug/l #	80
64) Tetrachloroethene	8.28	164	16040	4.789	ug/l #	75
65) Chlorobenzene	9.91	112	38892	4.625	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	15559	4.394	ug/l	83
67) Ethyl Benzene	10.02	91	68545	4.389	ug/l	97
68) m/p-Xylenes	10.25	106	50571	9.381	ug/l	88
69) o-Xylene	10.81	106	27498	4.558	ug/l	92
70) Styrene	10.88	104	41069	4.840	ug/l	97
71) Bromoform	10.87	173	8192	4.242	ug/l	93
73) Isopropylbenzene	11.21	105	88156	4.881	ug/l	95
74) N-amyl acetate	11.45	43	20746	5.303	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	14916	4.653	ug/l	86
76) 1,2,3-Trichloropropane	11.87	75	12001	5.174	ug/l	93
77) Bromobenzene	11.58	156	16364	4.194	ug/l	97
78) n-propylbenzene	11.67	91	110898	5.171	ug/l	91
79) 2-Chlorotoluene	11.79	91	57408	4.642	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	74792	5.121	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	6354	5.251	ug/l	86
82) 4-Chlorotoluene	11.97	91	60099	4.858	ug/l	98
83) tert-Butylbenzene	12.20	119	72396	4.875	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	75449	5.059	ug/l	100
85) sec-Butylbenzene	12.38	105	100600	4.920	ug/l	99
86) p-Isopropyltoluene	12.52	119	80957	4.975	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	36977	5.048	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	35547	4.930	ug/l	98
89) n-Butylbenzene	12.91	91	92583	5.342	ug/l	90
90) Hexachloroethane	12.98	117	18562	4.441	ug/l	79
91) 1,2-Dichlorobenzene	13.01	146	37014	5.278	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2700	4.448	ug/l	86

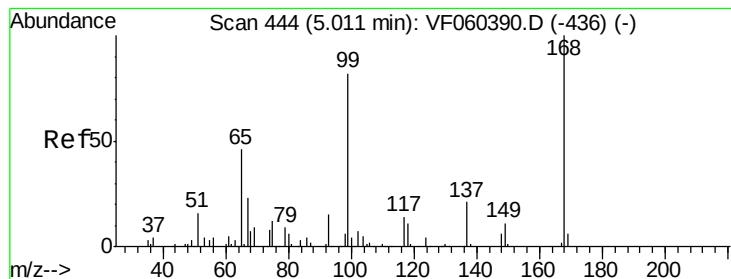
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100118\
Data File : VF060387.D
Acq On : 1 Oct 2018 17:18
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Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Oct 02 00:01:30 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 00:00:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	28072	5.484	ug/l	91
94) Hexachlorobutadiene	14.24	225	17348	5.018	ug/l	91
95) Naphthalene	14.50	128	46436	5.136	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	22618	4.791	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

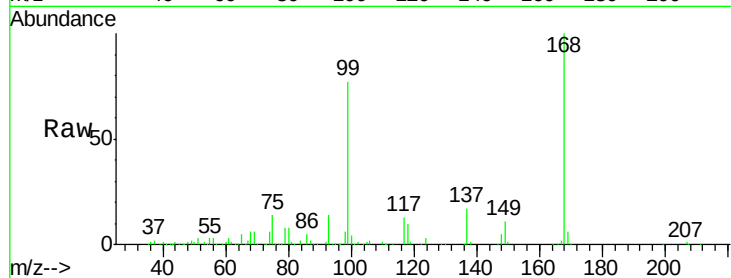
VSTDIC005

Tgt Ion:168 Resp: 257786

Ion Ratio Lower Upper

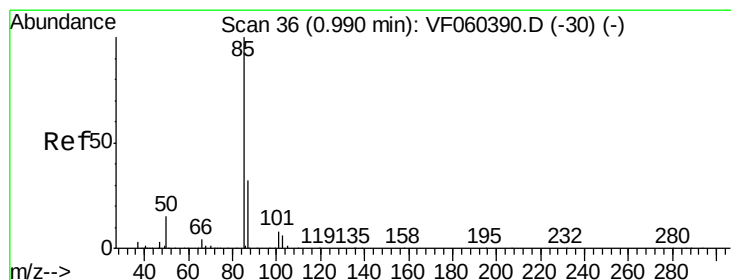
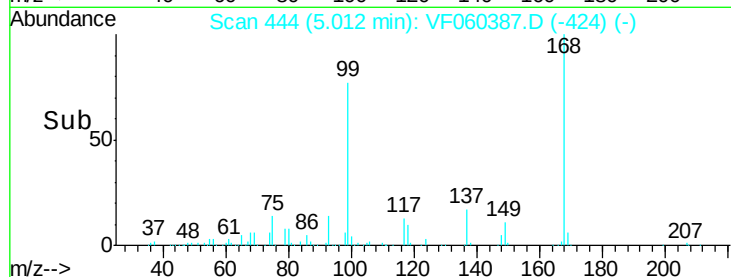
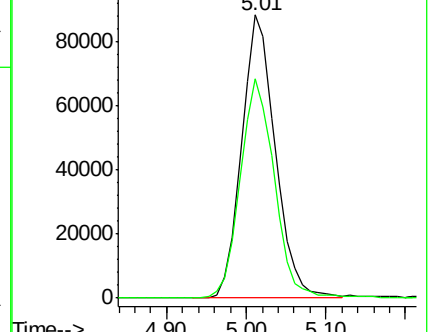
168 100

99 77.5 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 6.513 ug/l

RT: 0.99 min Scan# 36

Delta R.T. 0.00 min

Lab File: VF060387.D

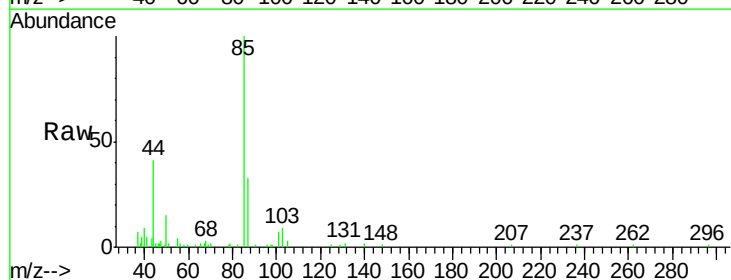
Acq: 1 Oct 2018 17:18

Tgt Ion: 85 Resp: 32156

Ion Ratio Lower Upper

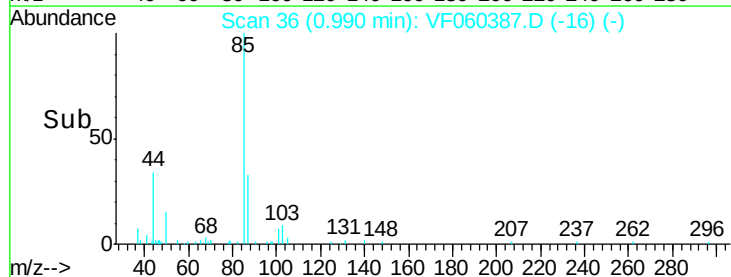
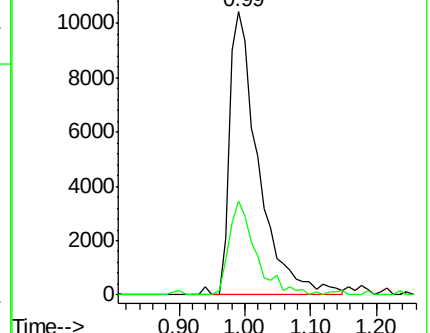
85 100

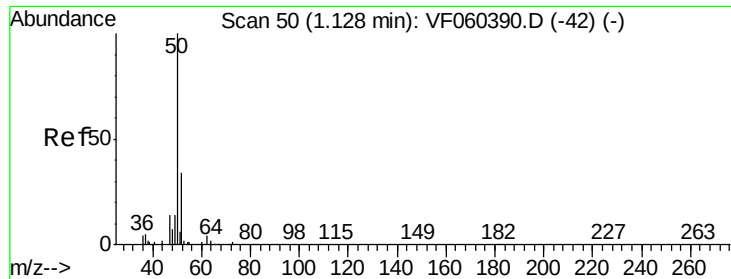
87 33.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 4.532 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

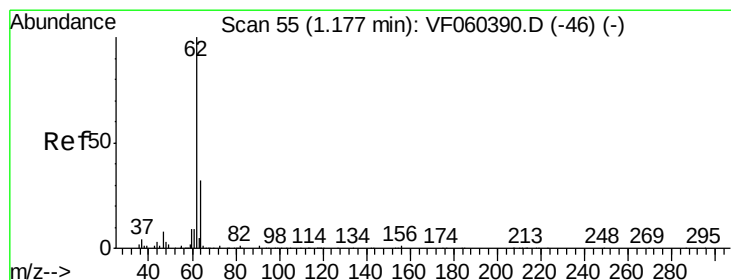
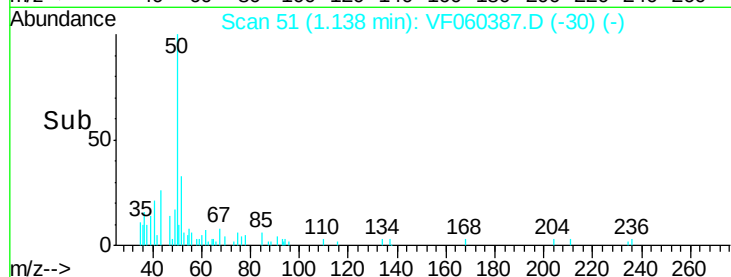
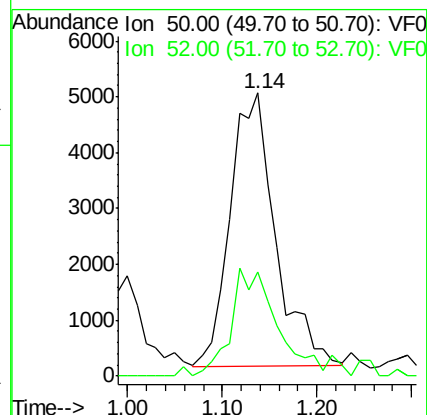
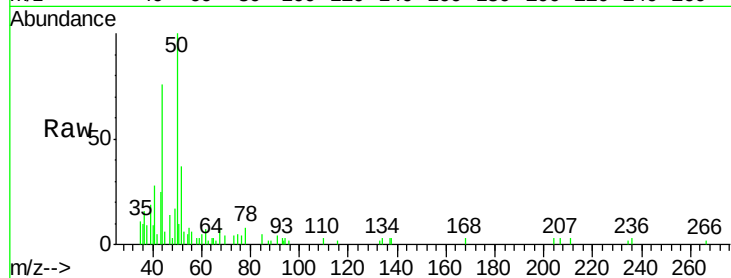
VSTDIC005

Tgt Ion: 50 Resp: 16256

Ion Ratio Lower Upper

50 100

52 36.9 26.9 40.3



#4

Vinyl Chloride

Concen: 4.709 ug/l

RT: 1.18 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060387.D

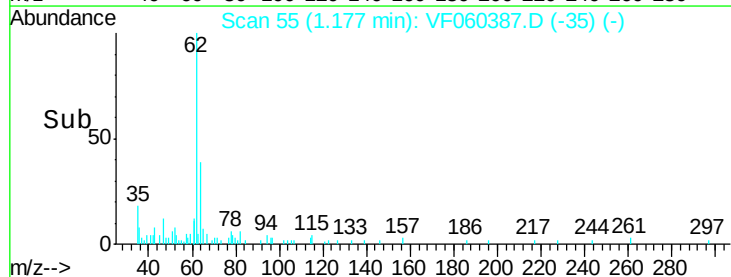
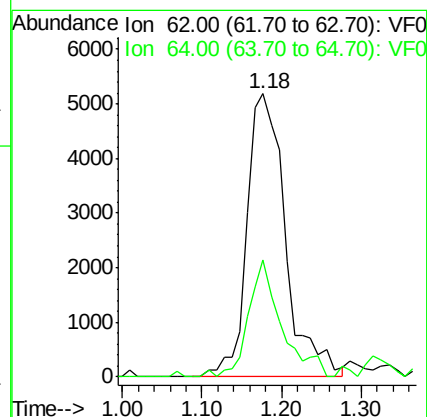
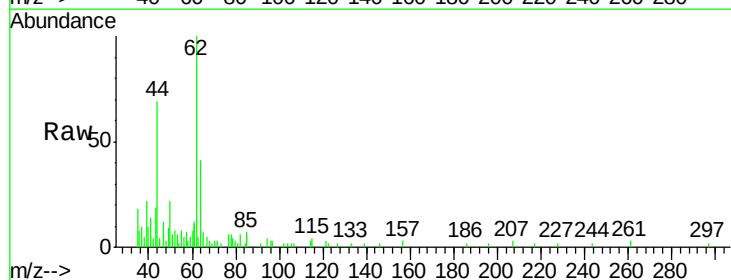
Acq: 1 Oct 2018 17:18

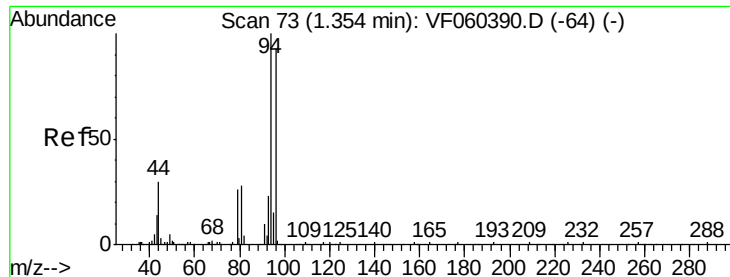
Tgt Ion: 62 Resp: 17297

Ion Ratio Lower Upper

62 100

64 41.3 25.8 38.6#





#5

Bromomethane

Concen: 6.382 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

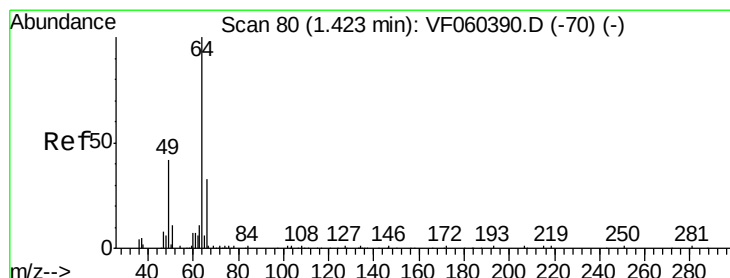
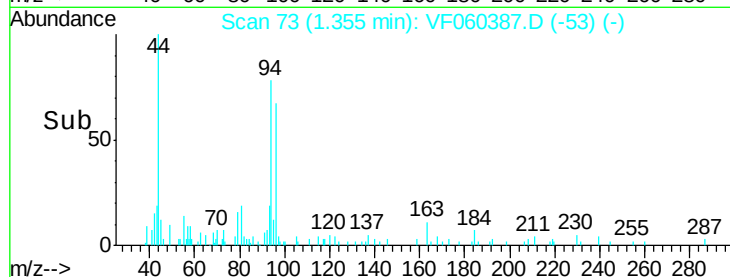
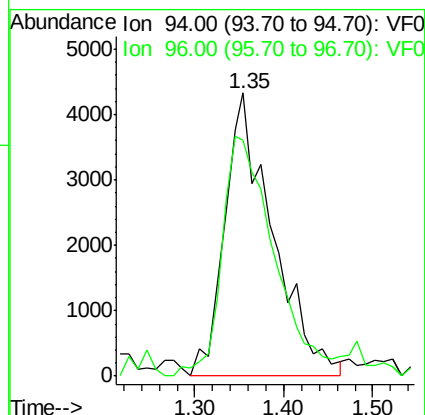
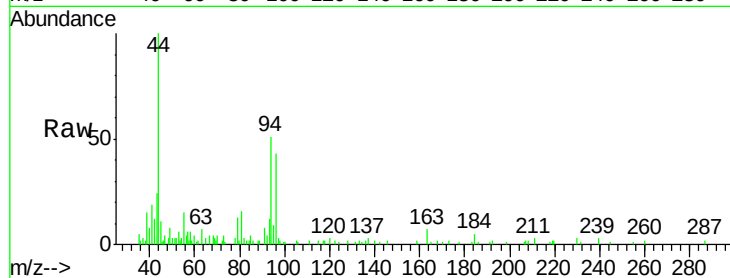
VSTDIC005

Tgt Ion: 94 Resp: 16257

Ion Ratio Lower Upper

94 100

96 83.2 74.3 111.5



#6

Chloroethane

Concen: 5.527 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060387.D

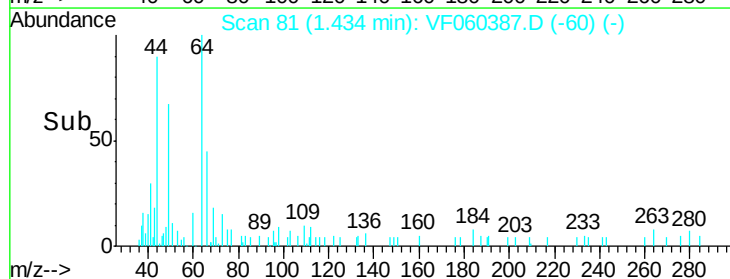
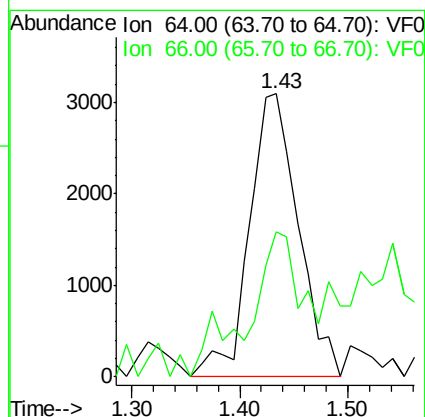
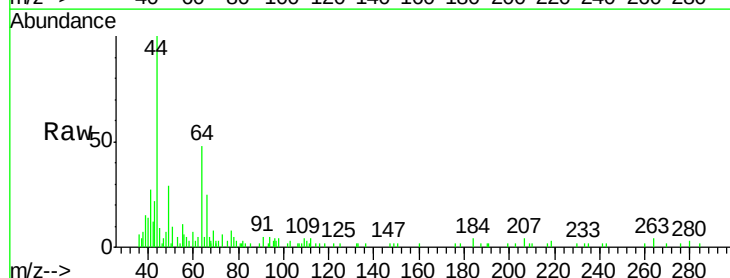
Acq: 1 Oct 2018 17:18

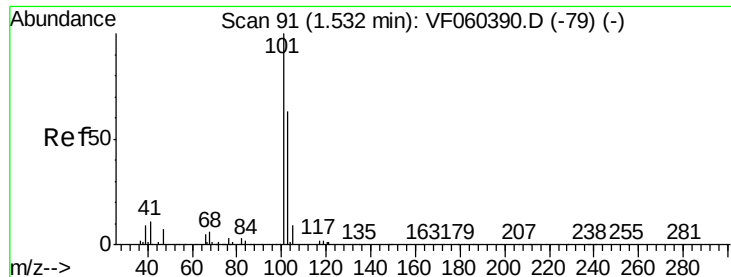
Tgt Ion: 64 Resp: 9727

Ion Ratio Lower Upper

64 100

66 51.1 26.3 39.5#



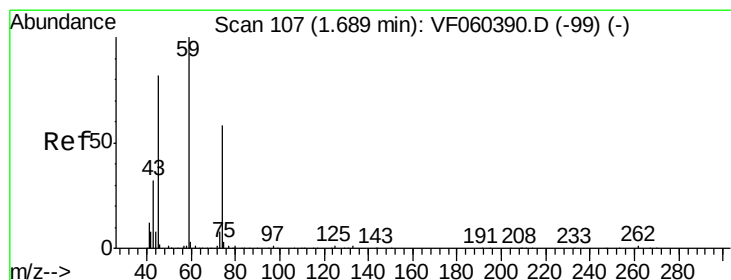
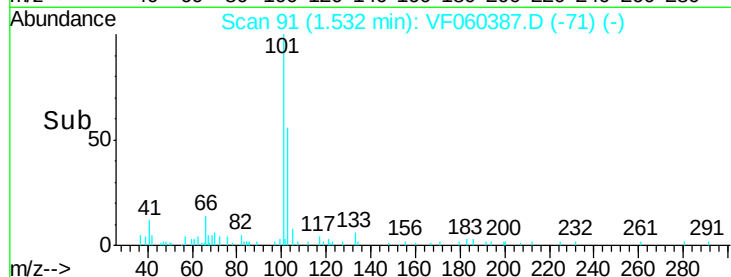
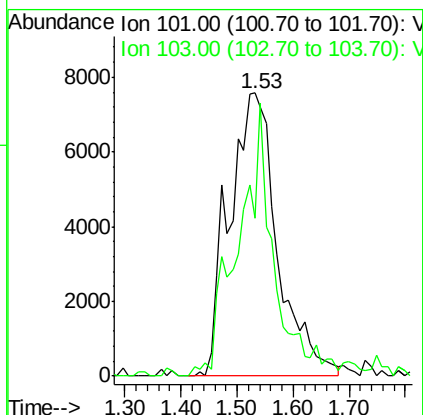
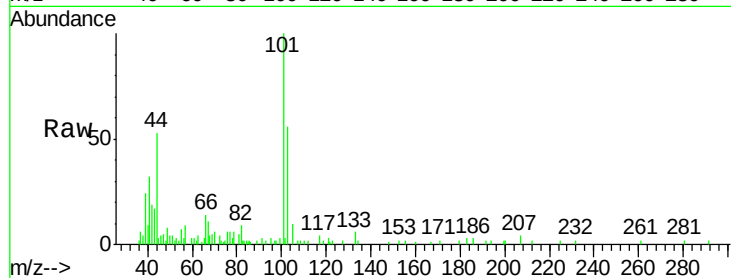


#7

Trichlorofluoromethane
Concen: 6.381 ug/l
RT: 1.53 min Scan# 91
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

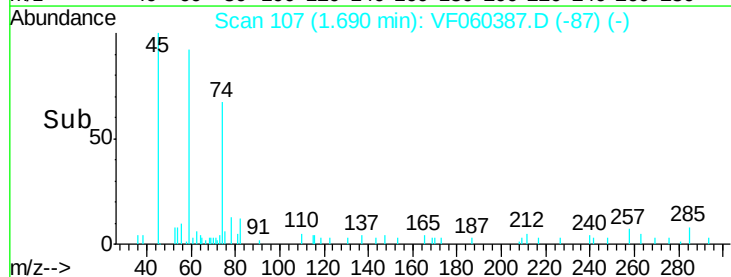
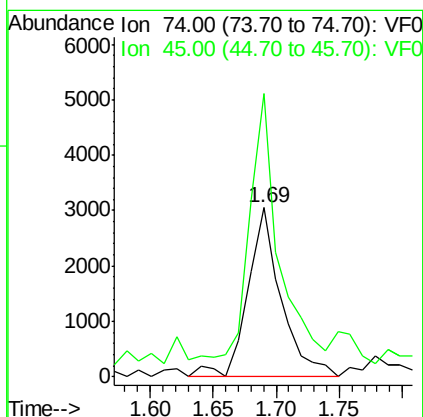
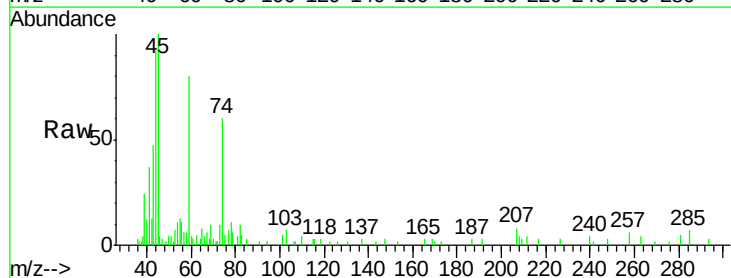
Tgt Ion: 101 Resp: 45506
Ion Ratio Lower Upper
101 100
103 55.9 51.0 76.4

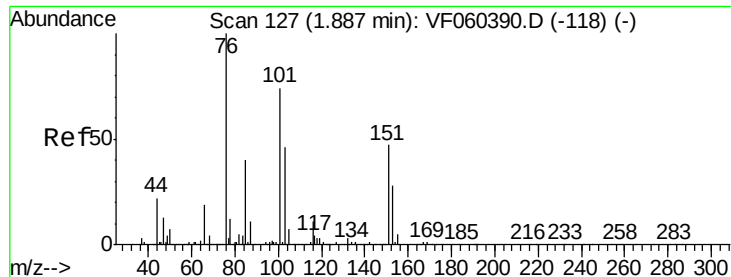


#8

Diethyl Ether
Concen: 4.989 ug/l
RT: 1.69 min Scan# 107
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 74 Resp: 5629
Ion Ratio Lower Upper
74 100
45 167.2 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.465 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

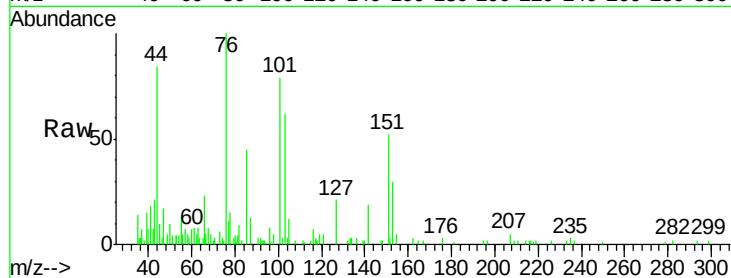
Tgt Ion:101 Resp: 20154

Ion Ratio Lower Upper

101 100

85 57.5 42.5 63.7

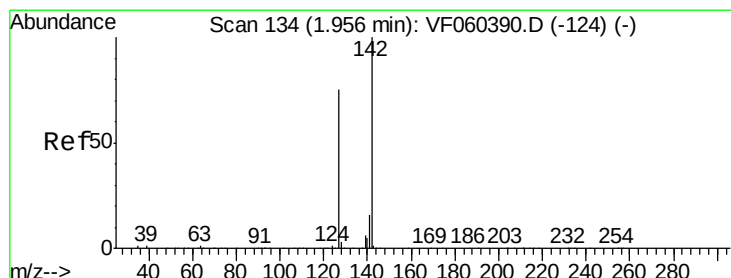
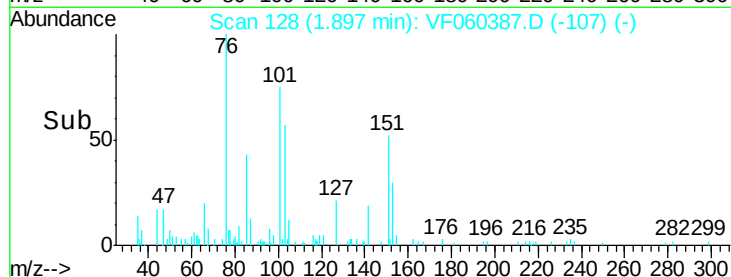
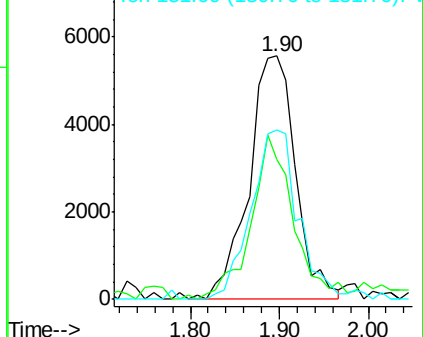
151 69.5 49.8 74.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 3.740 ug/l

RT: 1.97 min Scan# 135

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

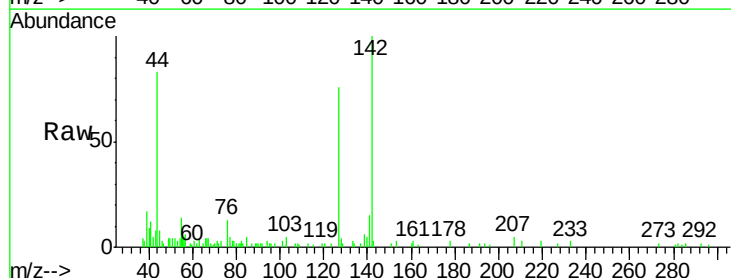
Tgt Ion:142 Resp: 22025

Ion Ratio Lower Upper

142 100

127 75.9 60.2 90.2

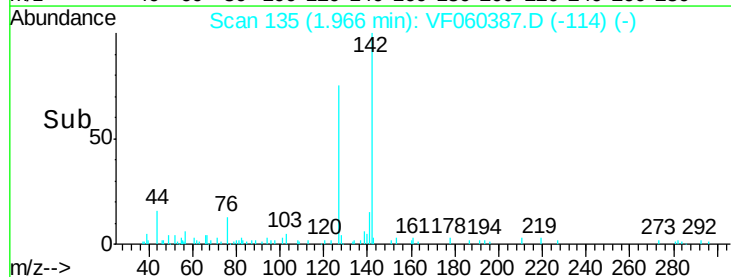
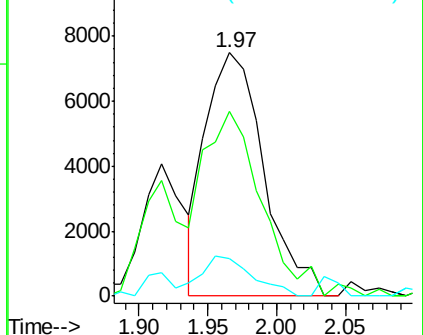
141 15.3 13.1 19.7

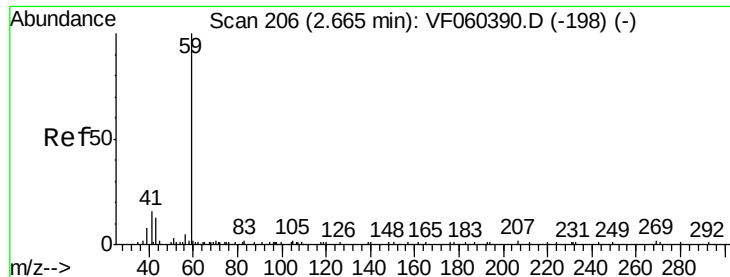


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



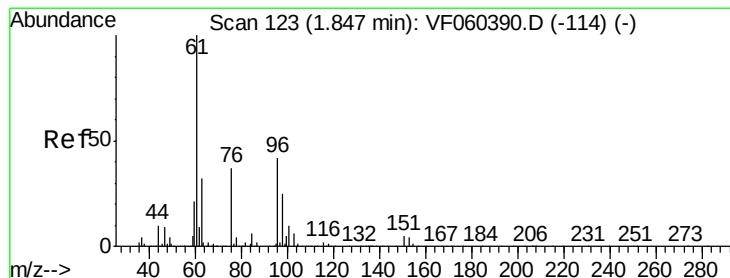
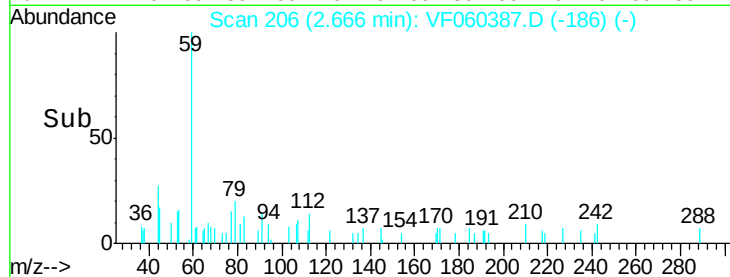
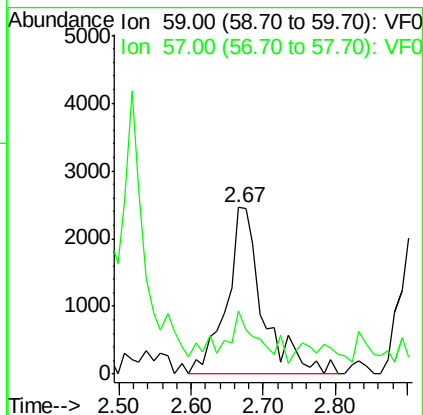
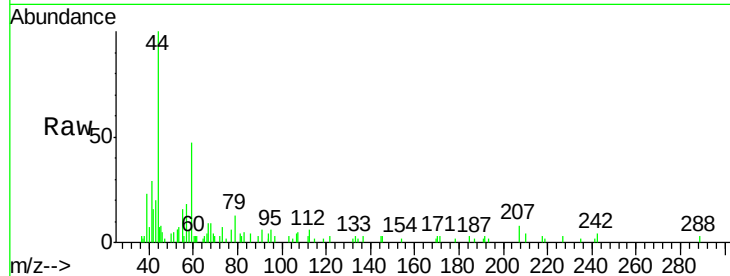


#11

Tert butyl alcohol
 Concen: 37.148 ug/l
 RT: 2.67 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

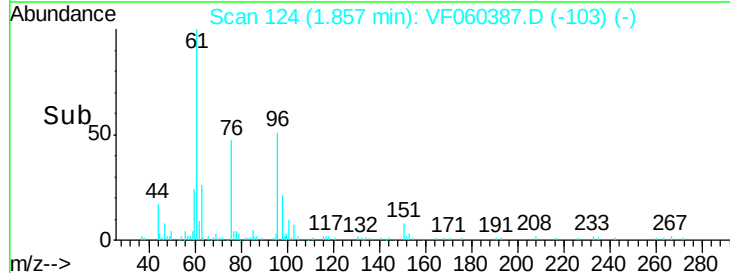
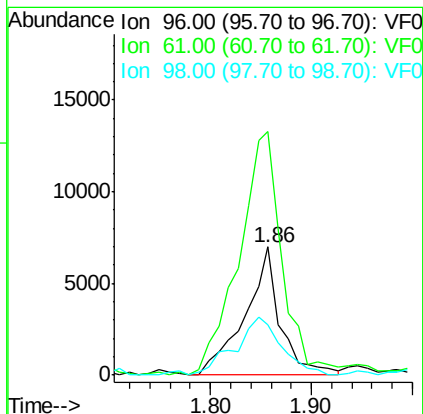
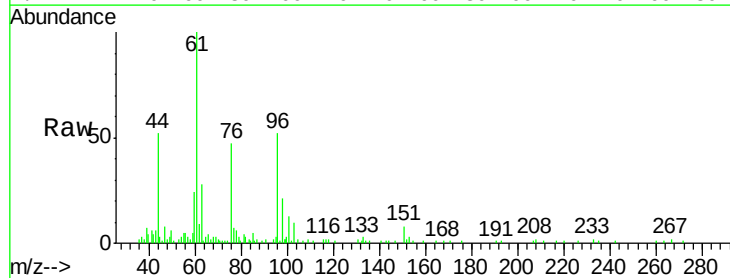
Tgt Ion: 59 Resp: 8596
 Ion Ratio Lower Upper
 59 100
 57 38.0 6.5 9.7#

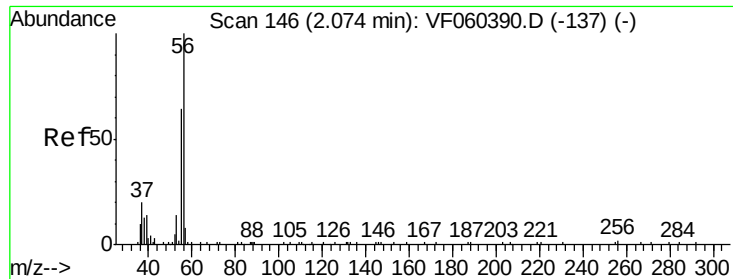


#12

1,1-Dichloroethene
 Concen: 5.694 ug/l
 RT: 1.86 min Scan# 124
 Delta R.T. 0.01 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion: 96 Resp: 17020
 Ion Ratio Lower Upper
 96 100
 61 187.1 189.4 284.0#
 98 39.0 47.8 71.6#

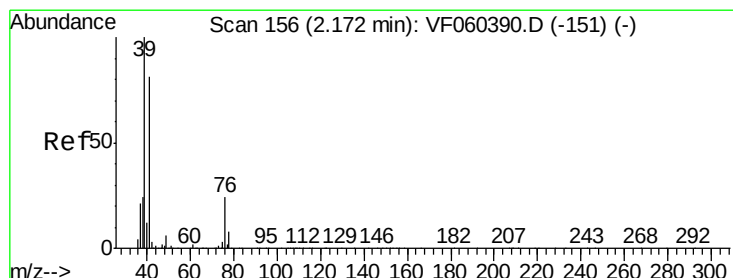
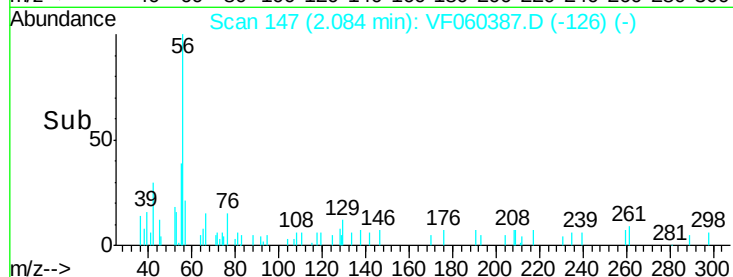
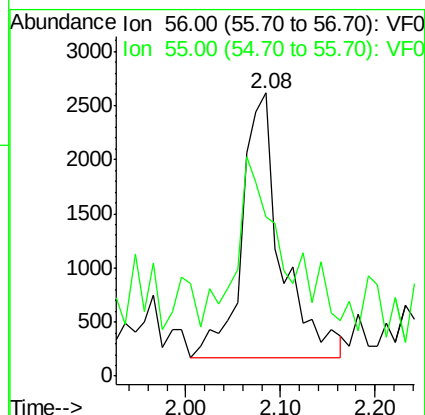
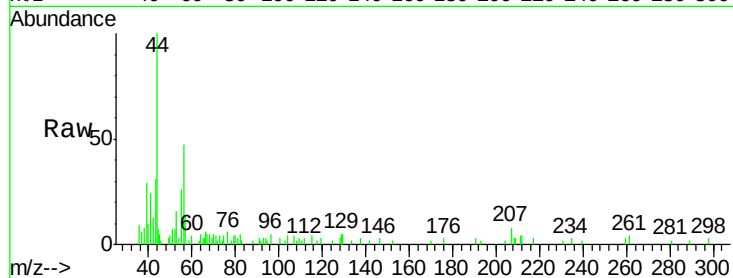




#13
Acrolein
Concen: 52.678 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

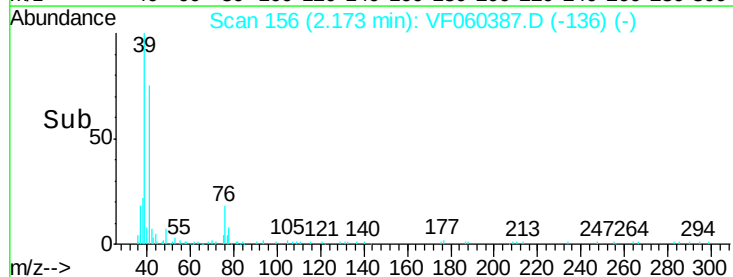
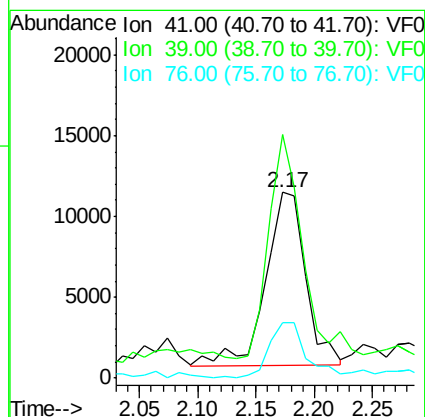
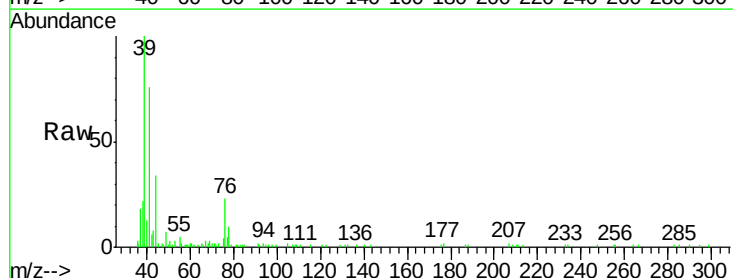
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

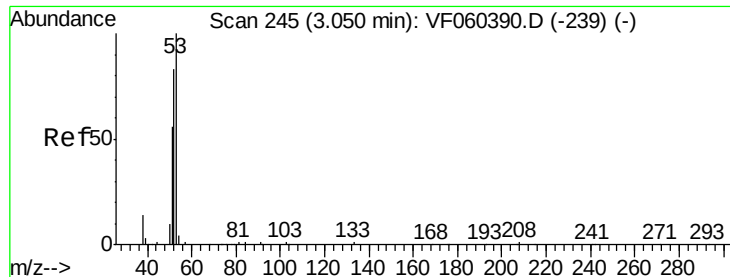
Tgt Ion: 56 Resp: 6977
Ion Ratio Lower Upper
56 100
55 56.1 53.9 80.9



#14
Allyl chloride
Concen: 5.005 ug/l
RT: 2.17 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 41 Resp: 25857
Ion Ratio Lower Upper
41 100
39 130.9 98.3 147.5
76 30.0 23.9 35.9





#15

Acrylonitrile

Concen: 20.972 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

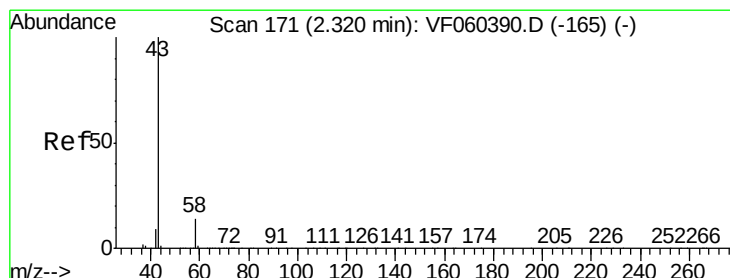
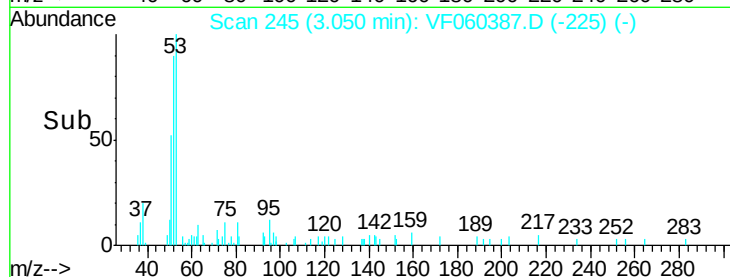
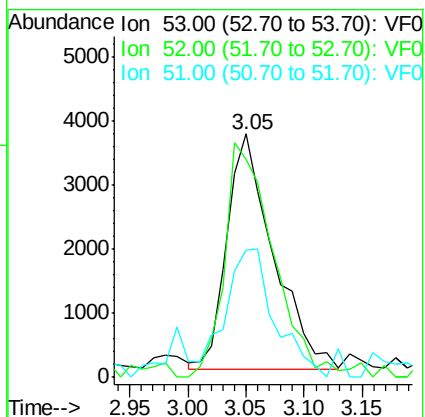
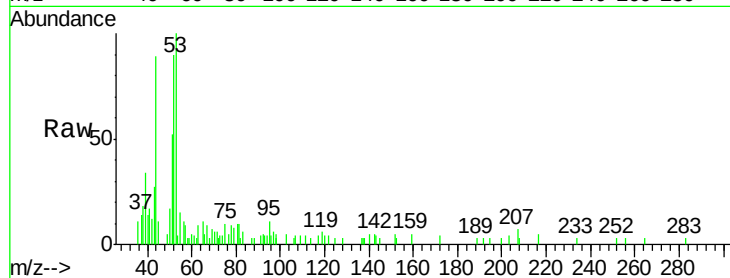
Tgt Ion: 53 Resp: 10169

Ion Ratio Lower Upper

53 100

52 89.8 66.0 99.0

51 52.0 45.6 68.4



#16

Acetone

Concen: 26.854 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060387.D

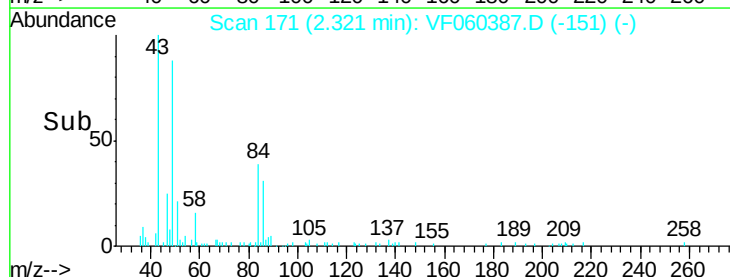
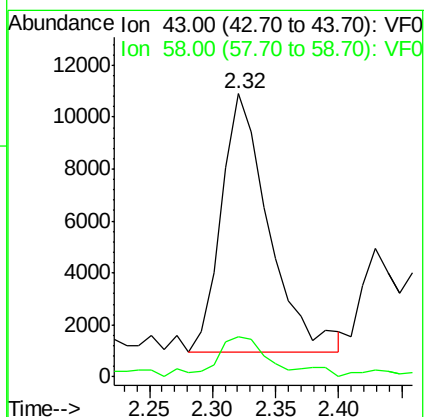
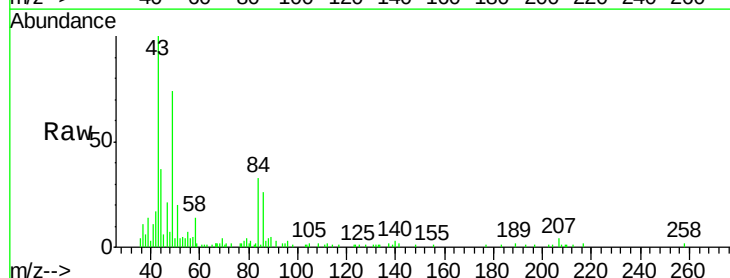
Acq: 1 Oct 2018 17:18

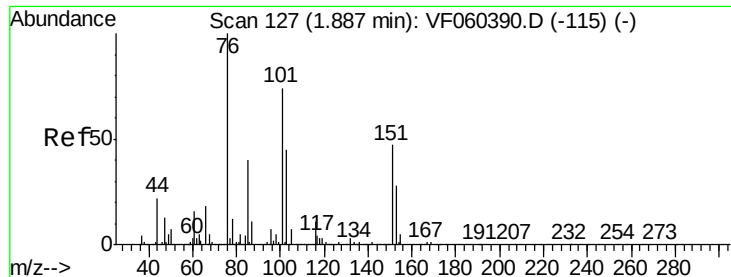
Tgt Ion: 43 Resp: 26059

Ion Ratio Lower Upper

43 100

58 14.2 11.2 16.8





#17

Carbon Disulfide

Concen: 5.150 ug/l

RT: 1.89 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

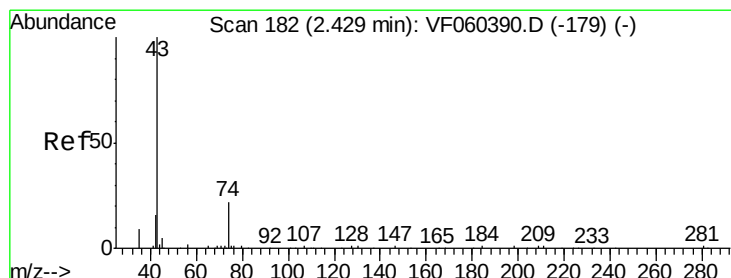
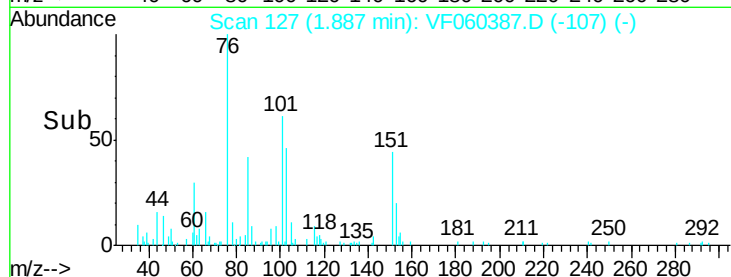
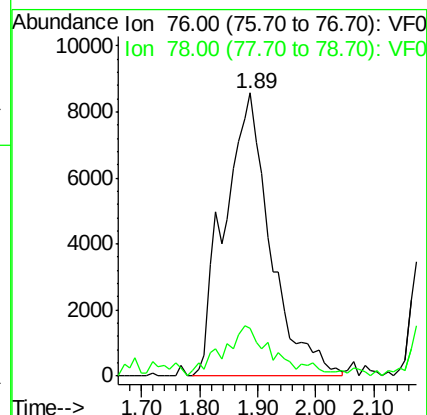
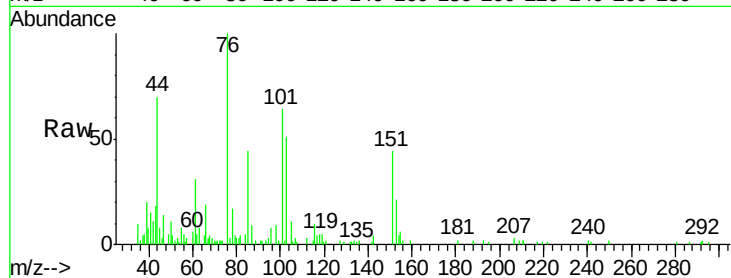
VSTDIC005

Tgt Ion: 76 Resp: 47345

Ion Ratio Lower Upper

76 100

78 17.0 10.1 15.1#



#18

Methyl Acetate

Concen: 3.939 ug/l

RT: 2.43 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF060387.D

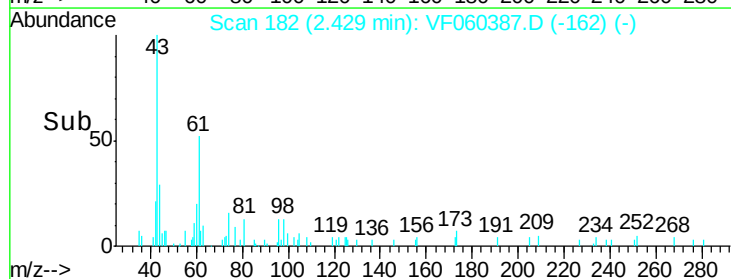
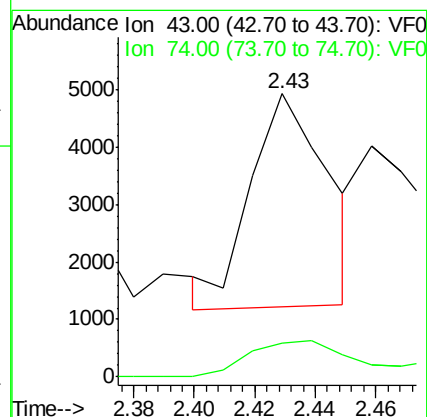
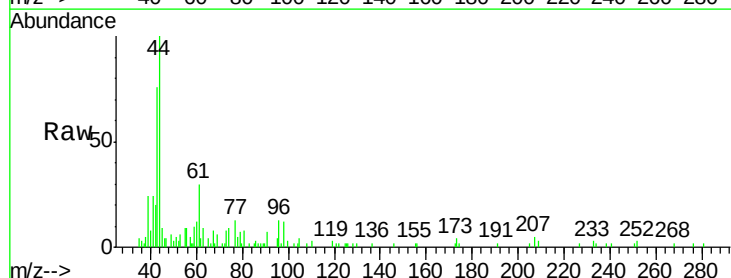
Acq: 1 Oct 2018 17:18

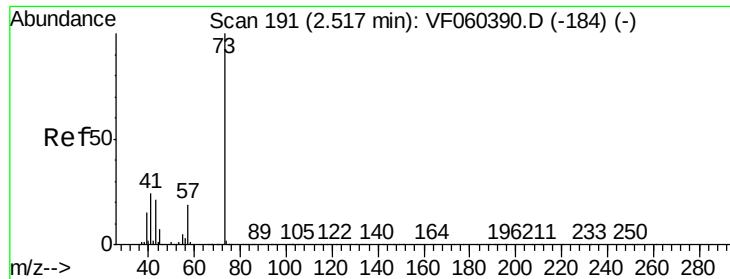
Tgt Ion: 43 Resp: 6552

Ion Ratio Lower Upper

43 100

74 12.1 15.8 23.8#

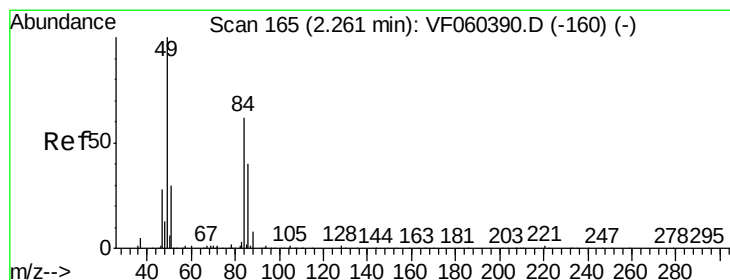
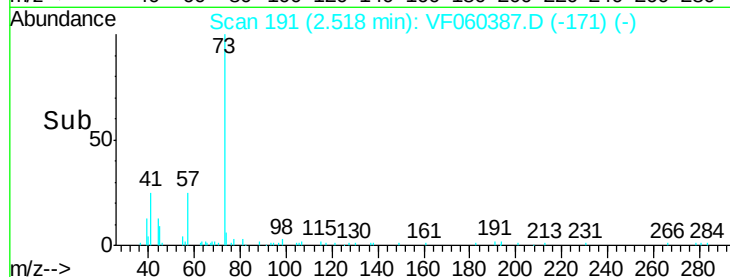
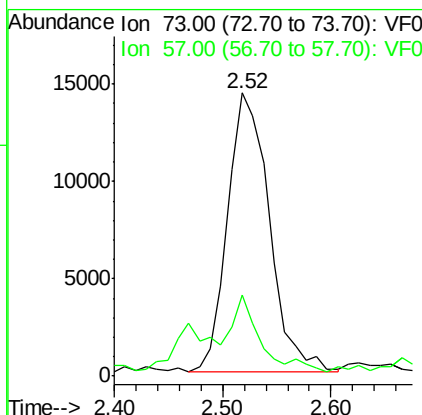
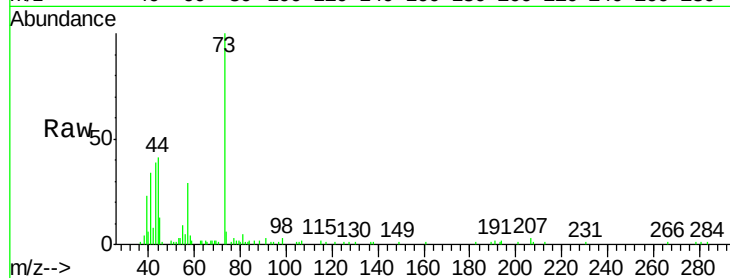




#19
Methyl tert-butyl Ether
Concen: 5.132 ug/l
RT: 2.52 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

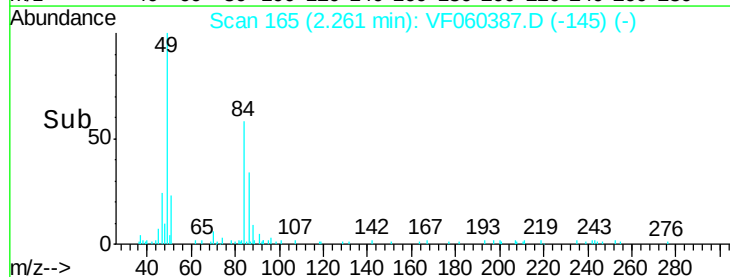
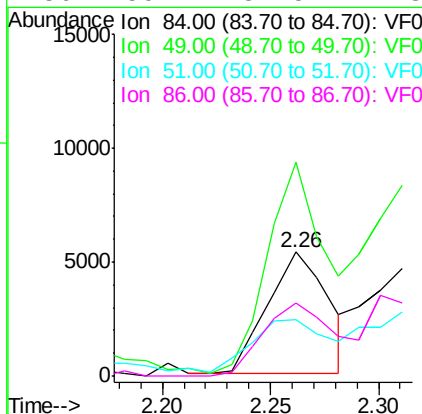
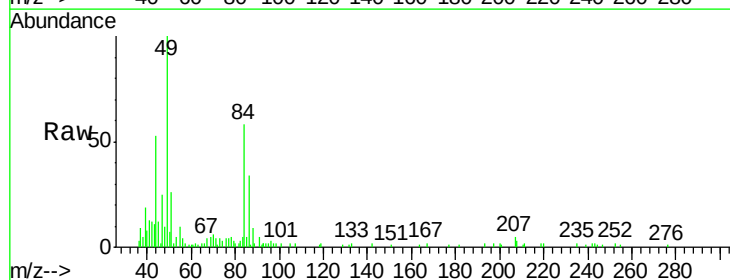
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

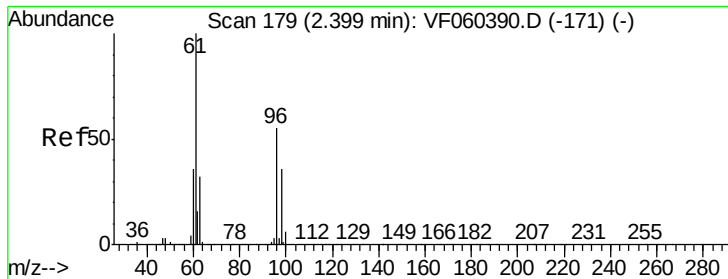
Tgt Ion: 73 Resp: 38514
Ion Ratio Lower Upper
73 100
57 28.7 15.9 23.9#



#20
Methylene Chloride
Concen: 2.984 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 84 Resp: 10442
Ion Ratio Lower Upper
84 100
49 172.7 130.2 195.2
51 45.2 41.0 61.6
86 59.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.086 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

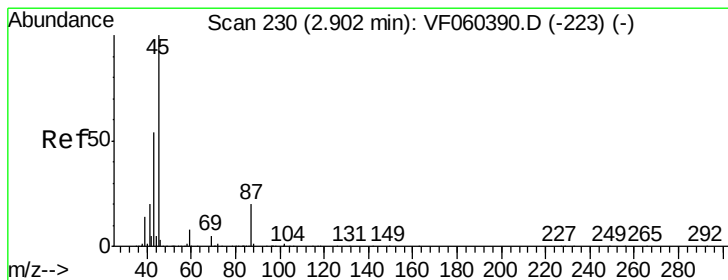
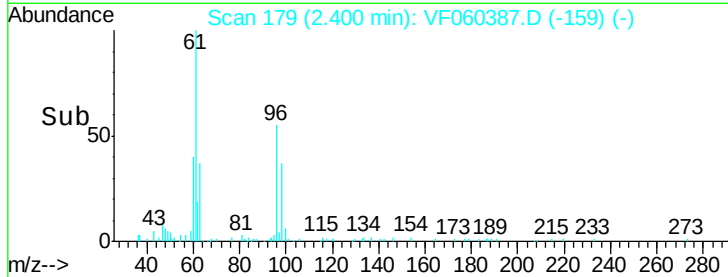
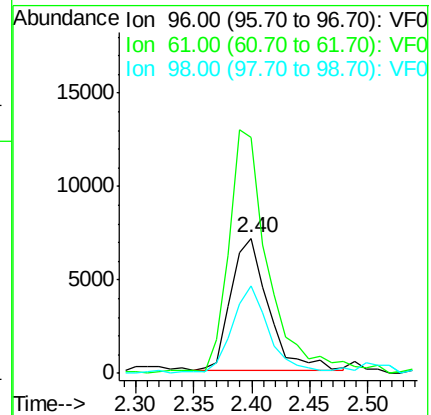
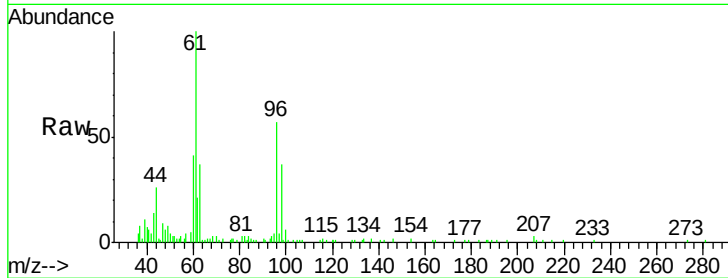
Tgt Ion: 96 Resp: 15783

Ion Ratio Lower Upper

96 100

61 174.4 146.2 219.2

98 64.3 52.6 78.8



#22

Diisopropyl ether

Concen: 4.765 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Tgt Ion: 45 Resp: 46064

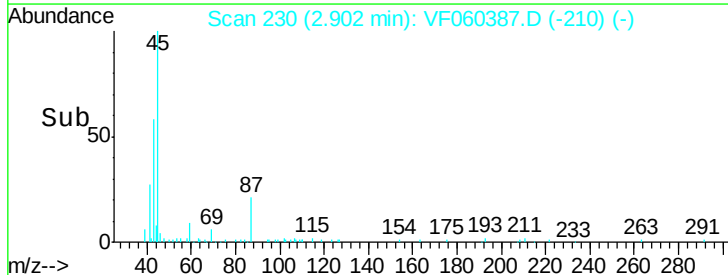
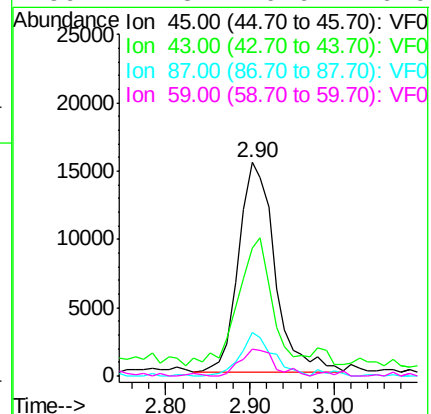
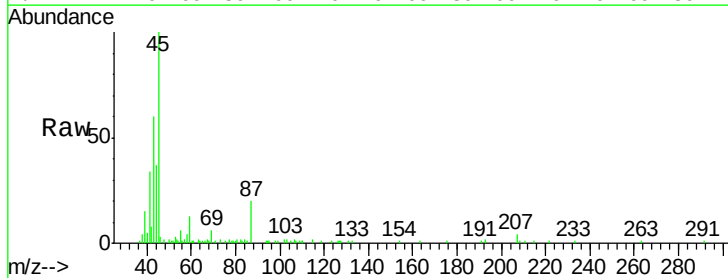
Ion Ratio Lower Upper

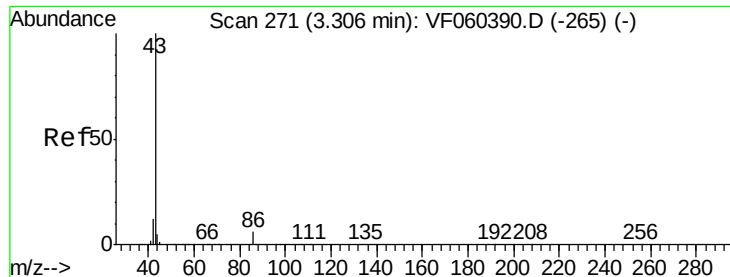
45 100

43 59.7 43.8 65.8

87 20.3 16.3 24.5

59 12.8 6.6 10.0#





#23

Vinyl Acetate

Concen: 23.663 ug/l

RT: 3.32 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

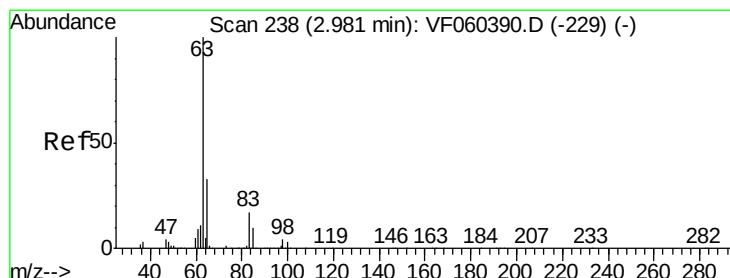
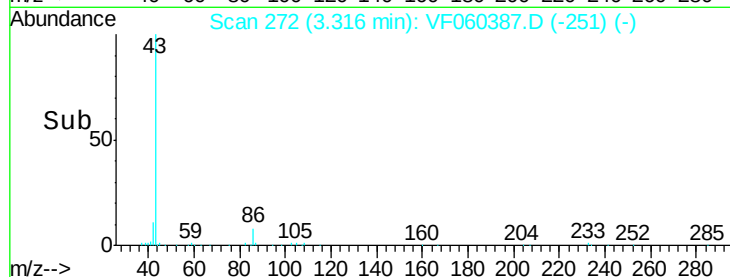
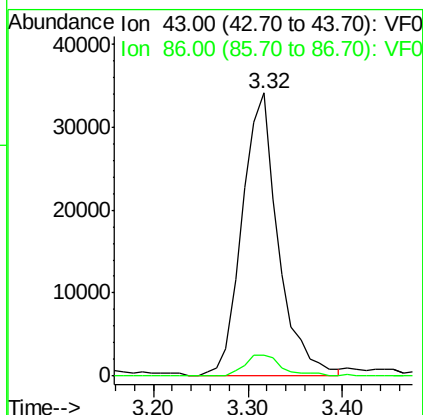
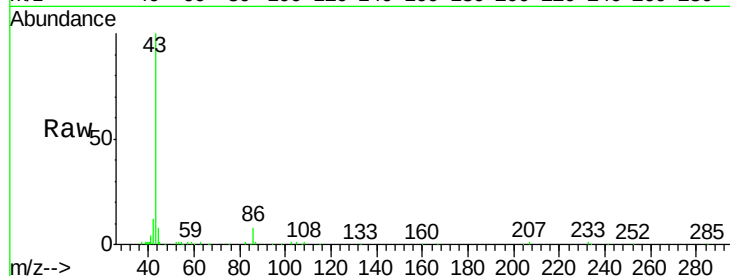
VSTDIC005

Tgt Ion: 43 Resp: 90279

Ion Ratio Lower Upper

43 100

86 7.5 5.1 7.7



#24

1,1-Dichloroethane

Concen: 4.848 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

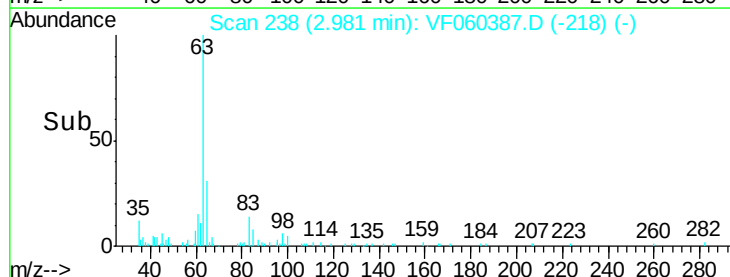
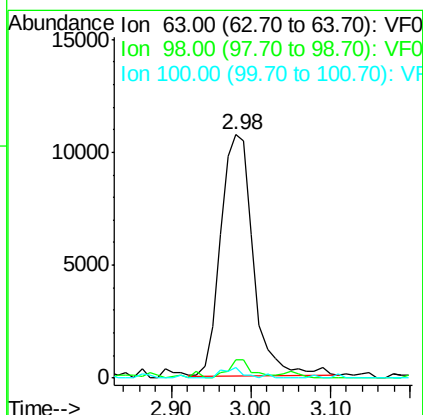
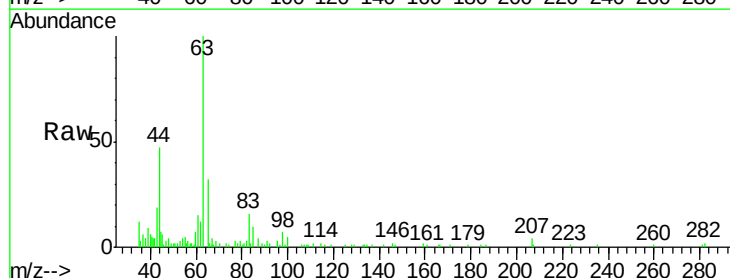
Tgt Ion: 63 Resp: 30906

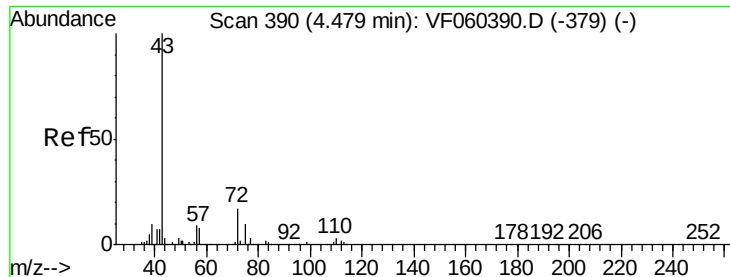
Ion Ratio Lower Upper

63 100

98 7.3 2.0 5.8#

100 4.5 1.4 4.2#





#25

2-Butanone

Concen: 23.796 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

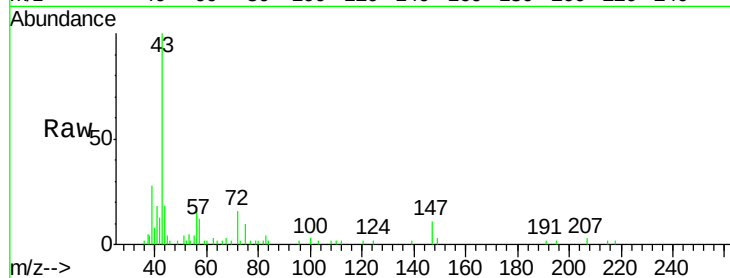
VSTDIC005

Tgt Ion: 43 Resp: 30043

Ion Ratio Lower Upper

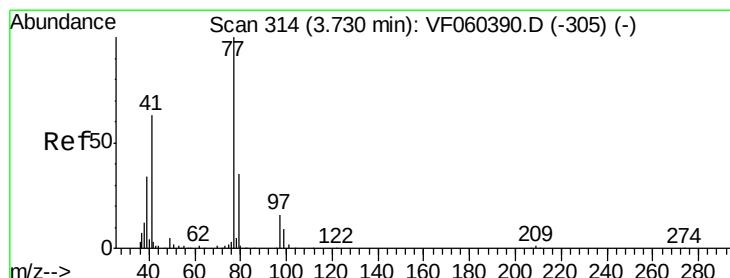
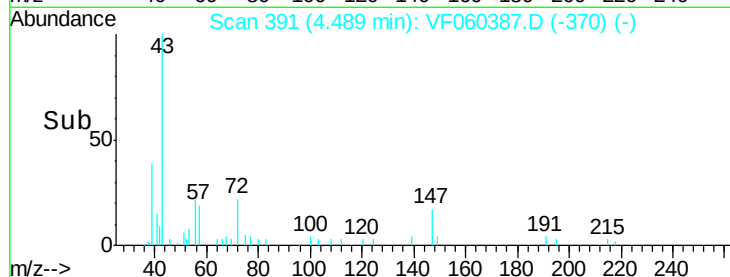
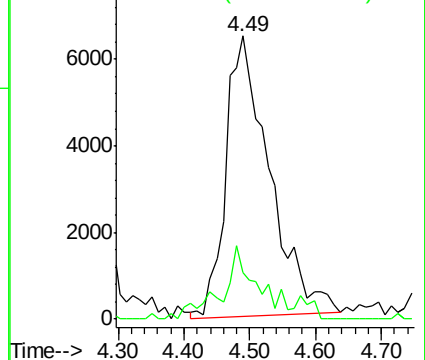
43 100

72 16.4 14.1 21.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 5.537 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060387.D

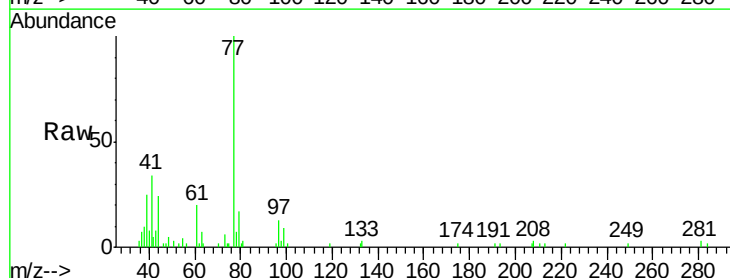
Acq: 1 Oct 2018 17:18

Tgt Ion: 77 Resp: 19914

Ion Ratio Lower Upper

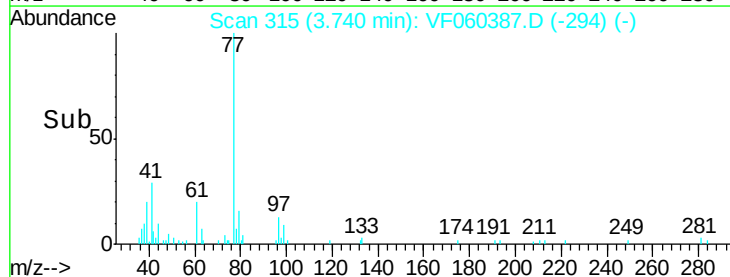
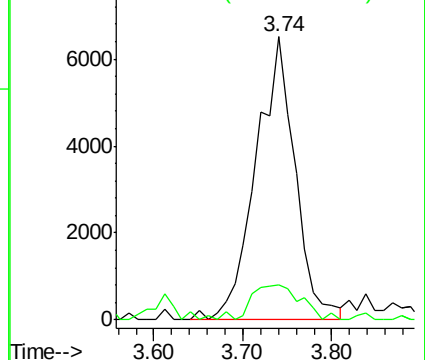
77 100

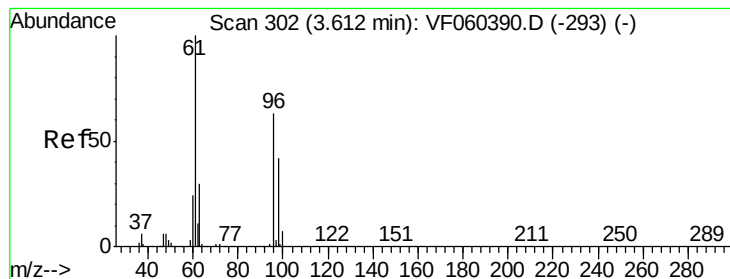
97 12.5 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



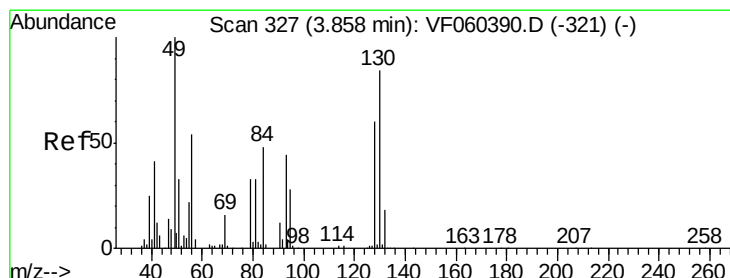
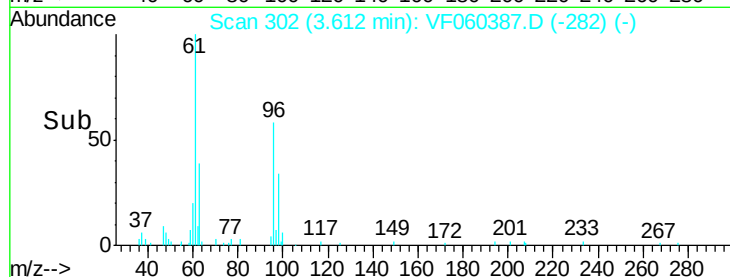
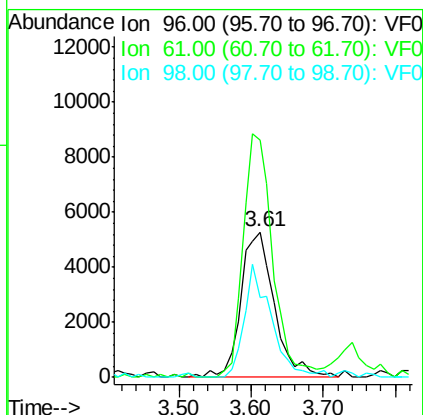
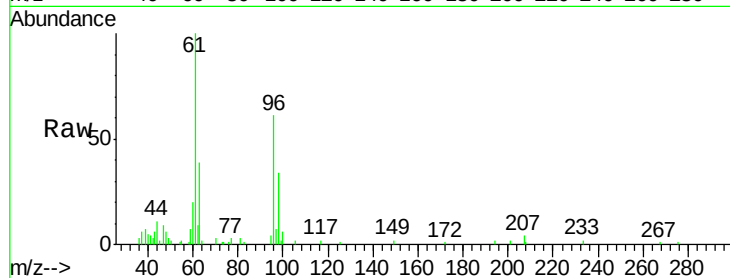


#27

cis-1,2-Dichloroethene
 Concen: 4.357 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

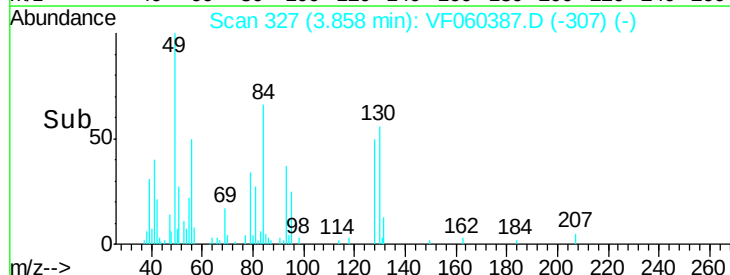
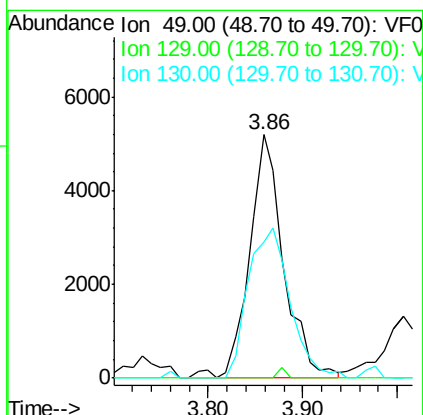
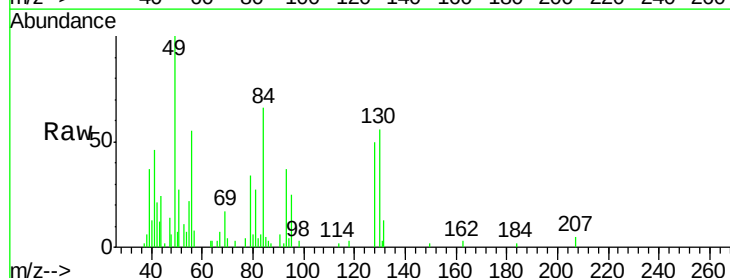
Tgt Ion	Resp	Lower	Upper
96	17213		
Ion Ratio			
96	100		
61	163.1	0.0	318.2
98	54.8	0.0	134.0

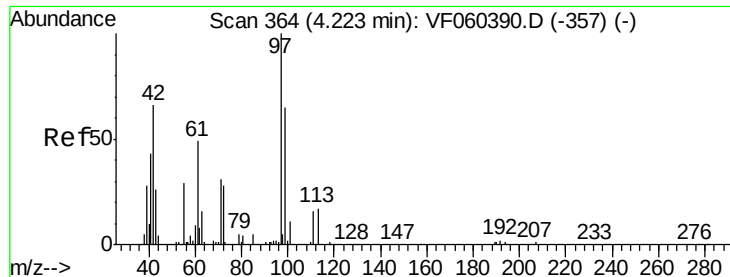


#28

Bromochloromethane
 Concen: 5.241 ug/l
 RT: 3.86 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion	Resp	Lower	Upper
49	13007		
Ion Ratio			
49	100		
129	0.0	0.0	4.6
130	55.9	67.3	100.9#





#29

Tetrahydrofuran

Concen: 19.908 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

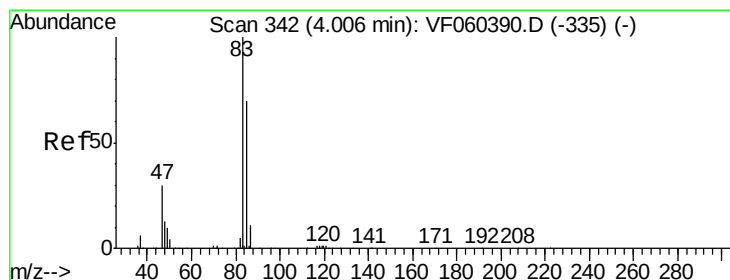
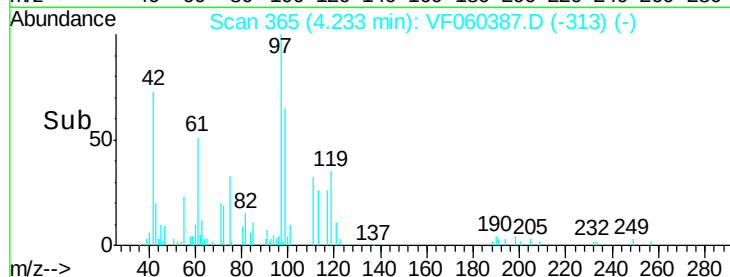
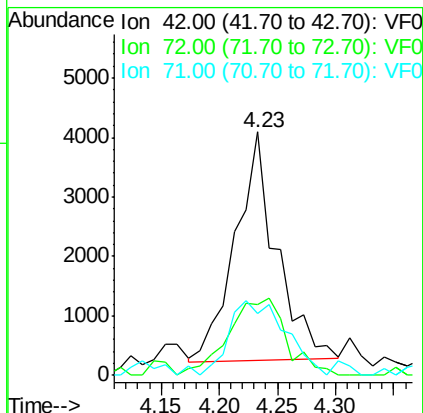
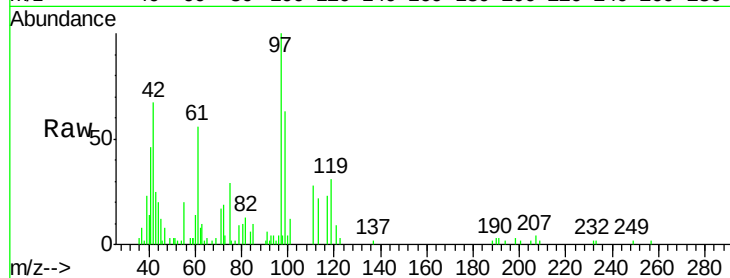
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	9447
Ion	Ratio	Lower	Upper
42	100		
72	47.2	33.6	50.4
71	44.5	32.7	49.1



#30

Chloroform

Concen: 4.933 ug/l

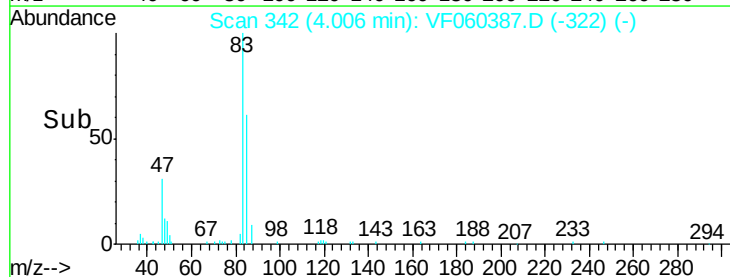
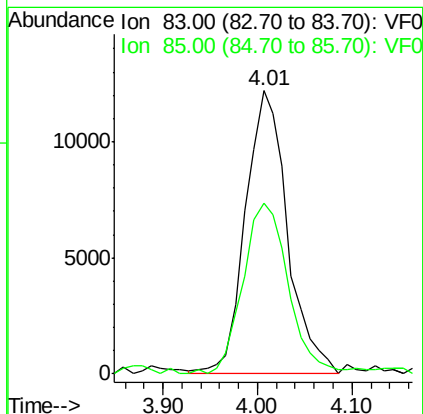
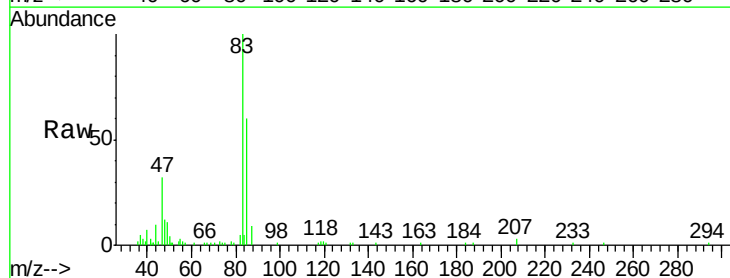
RT: 4.01 min Scan# 342

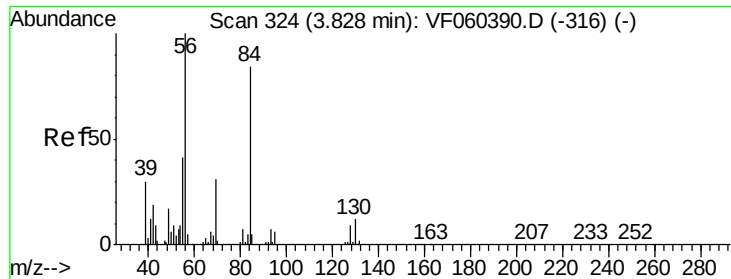
Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Tgt Ion:	83	Resp:	37729
Ion	Ratio	Lower	Upper
83	100		
85	60.5	55.9	83.9

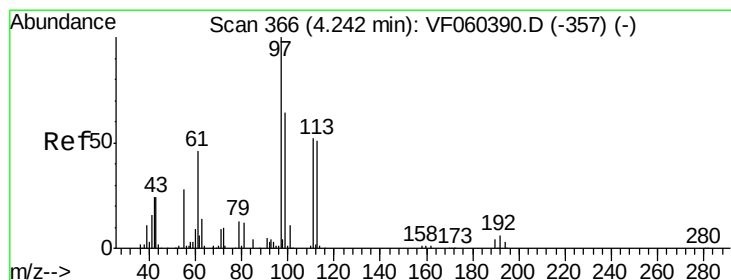
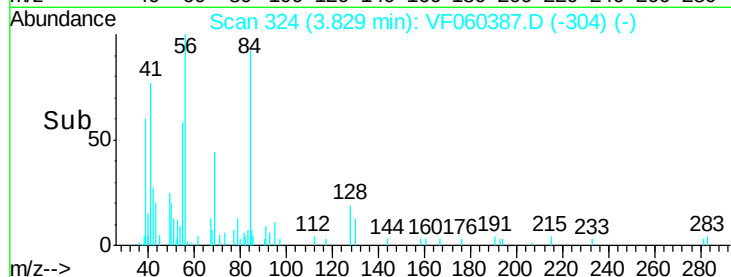
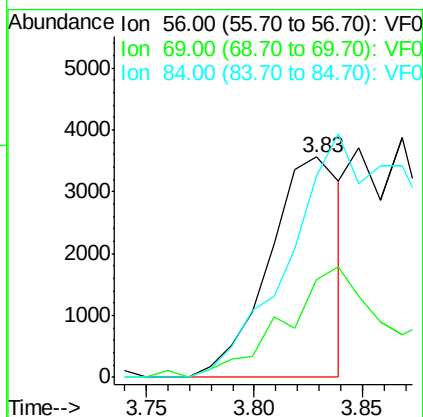
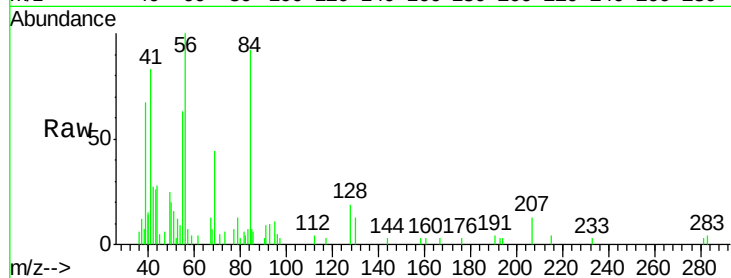




#31
Cyclohexane
Concen: 1.573 ug/l
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

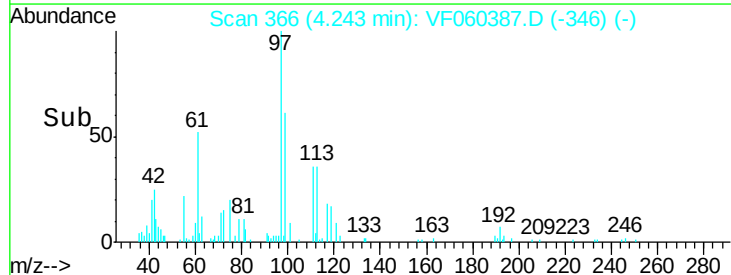
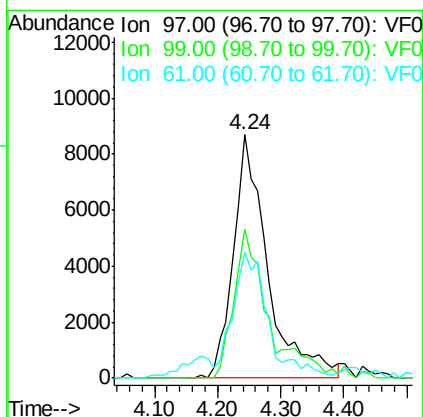
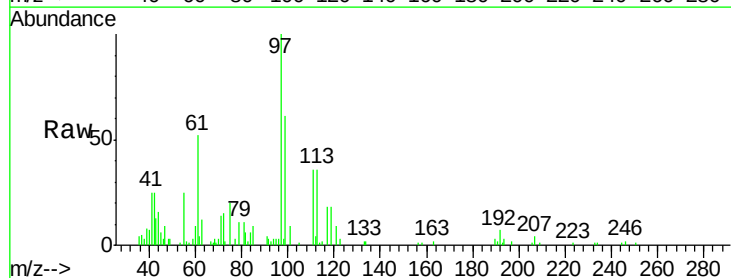
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

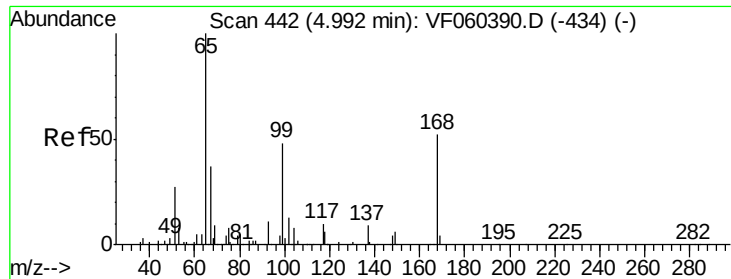
Tgt Ion: 56 Resp: 8277
Ion Ratio Lower Upper
56 100
69 44.1 25.5 38.3#
84 91.7 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 5.340 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 97 Resp: 32728
Ion Ratio Lower Upper
97 100
99 61.1 51.0 76.4
61 51.9 37.5 56.3

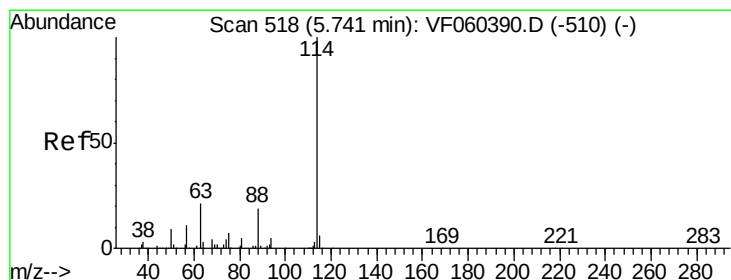
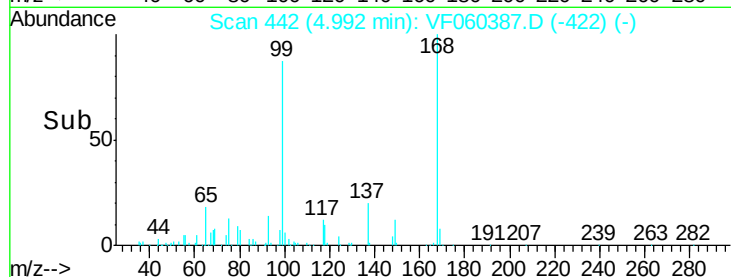
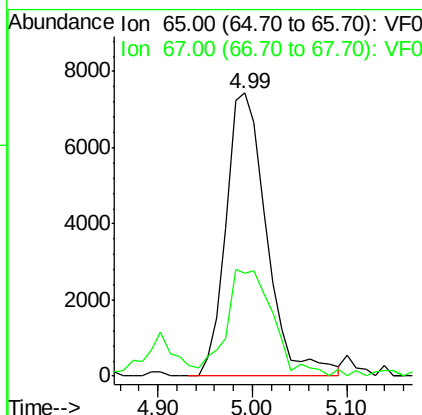
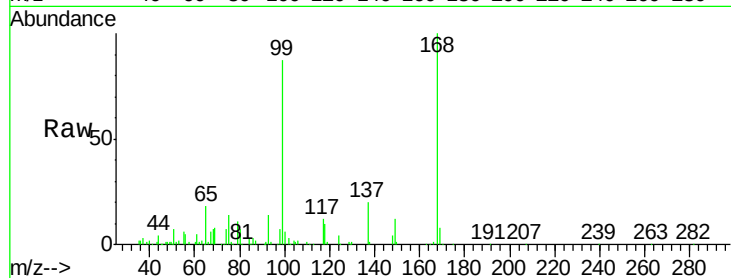




#33
 1,2-Dichloroethane-d4
 Concen: 6.125 ug/l
 RT: 4.99 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

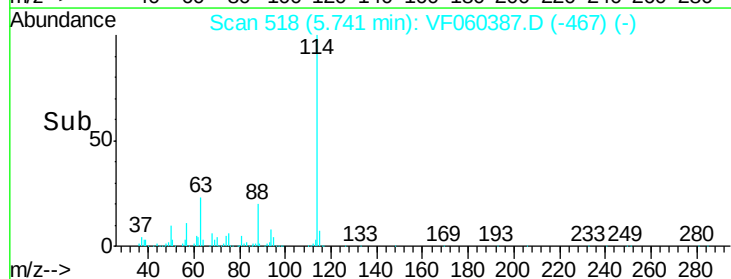
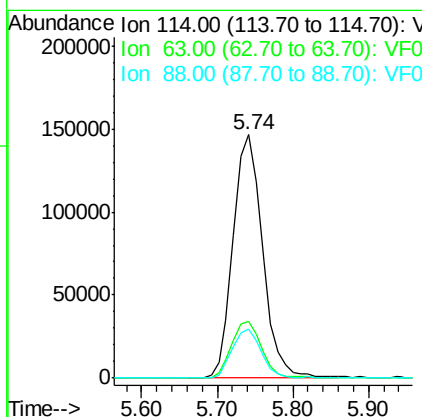
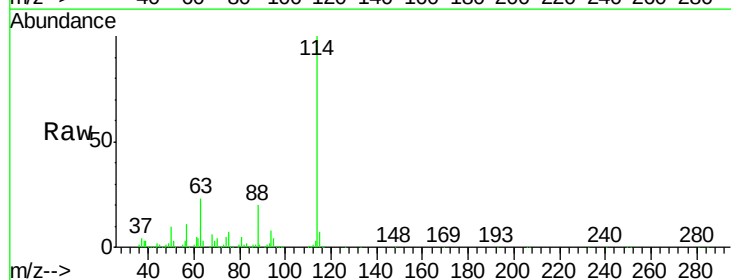
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

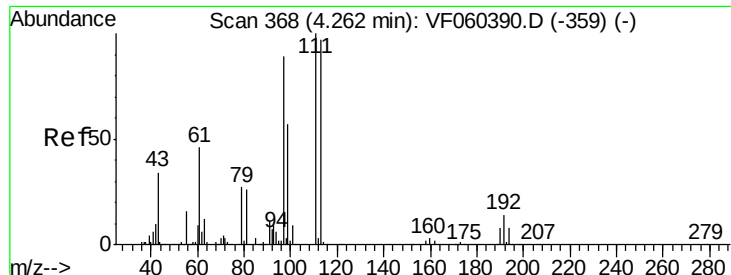
Tgt Ion: 65 Resp: 22149
 Ion Ratio Lower Upper
 65 100
 67 36.2 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion: 114 Resp: 396569
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 42.2
 88 20.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 5.720 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

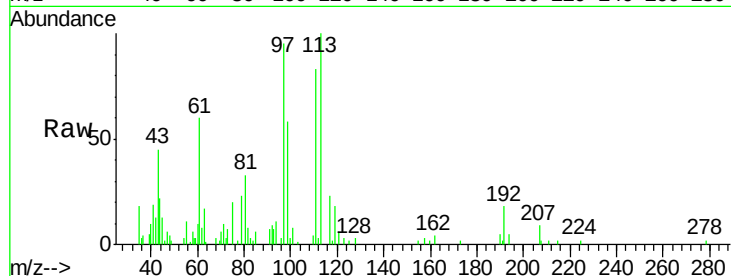
Tgt Ion:113 Resp: 20615

Ion Ratio Lower Upper

113 100

111 82.5 82.3 123.5

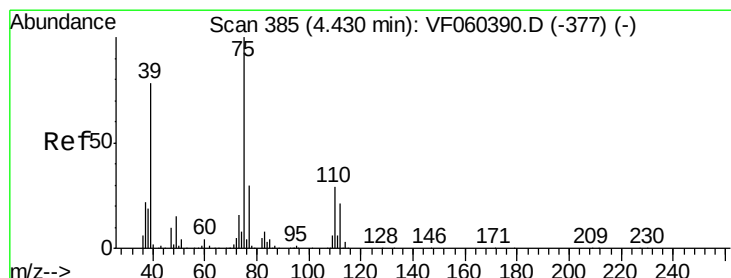
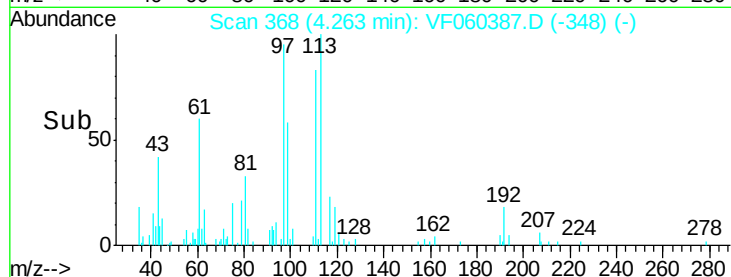
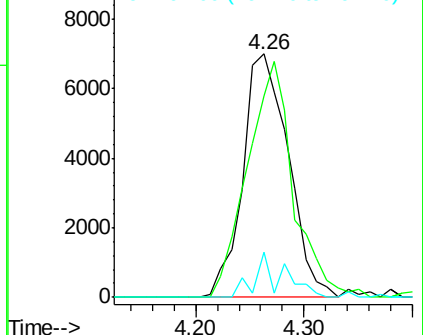
192 18.5 11.8 17.6#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 5.190 ug/l

RT: 4.43 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

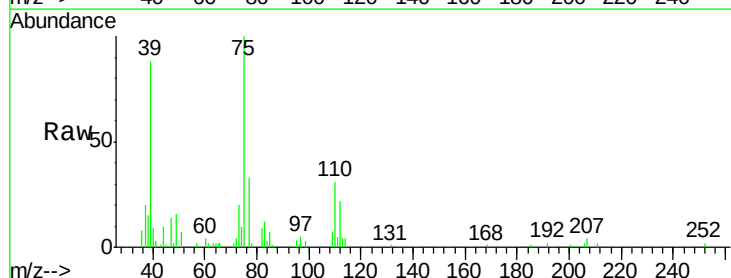
Tgt Ion: 75 Resp: 25882

Ion Ratio Lower Upper

75 100

110 31.4 14.5 43.6

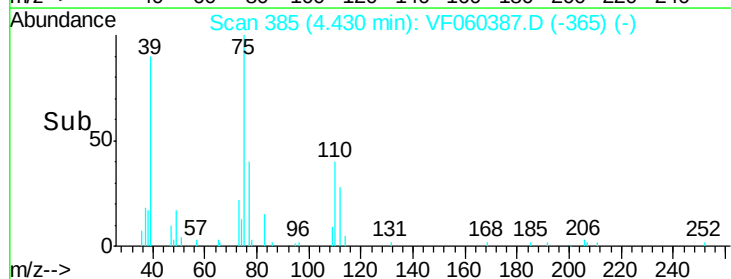
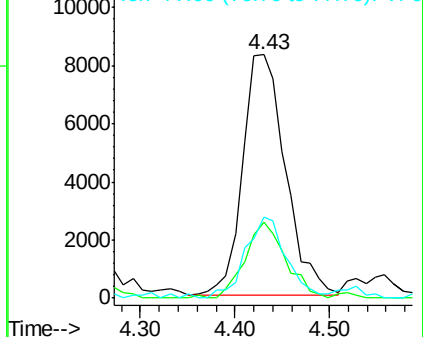
77 33.5 24.3 36.5

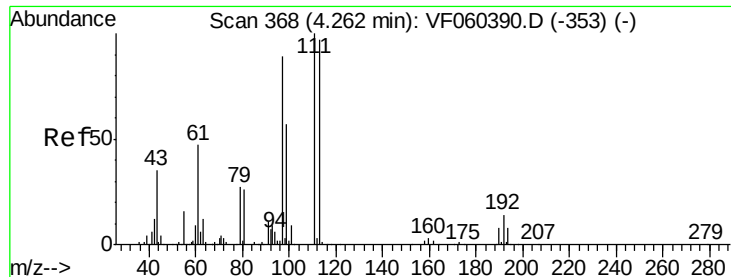


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

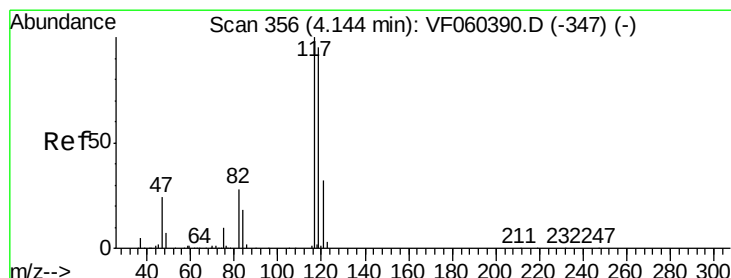
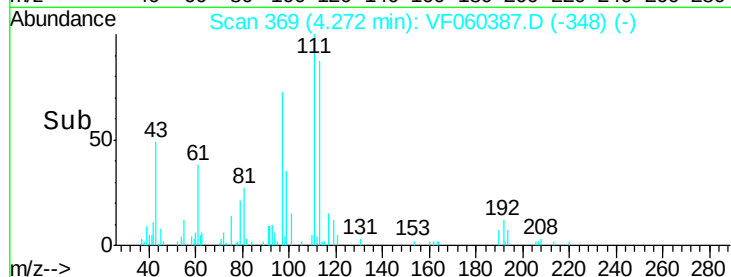
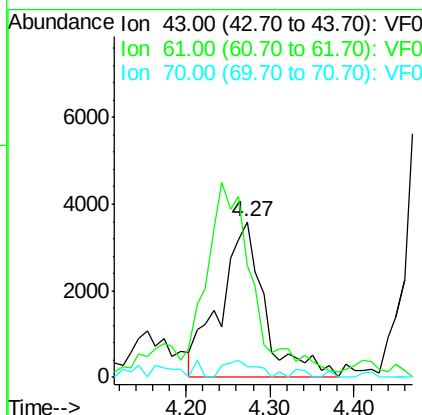
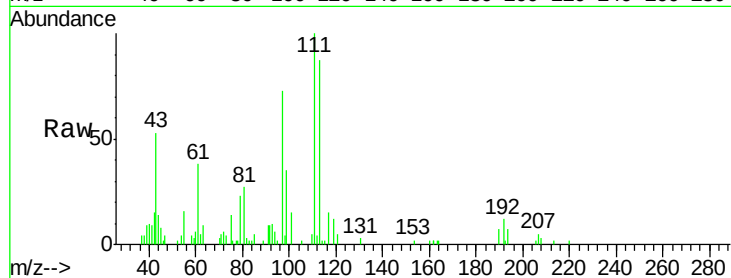




#37
Ethyl Acetate
Concen: 6.362 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

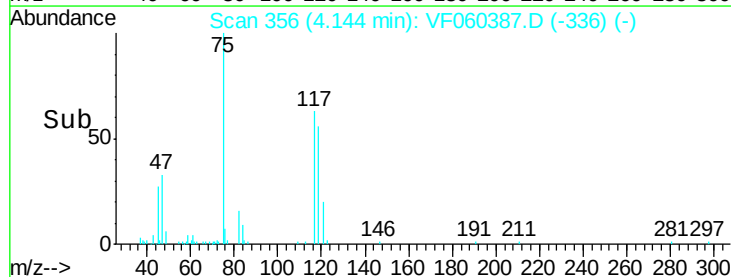
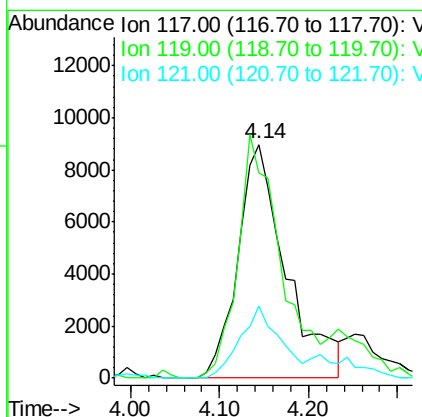
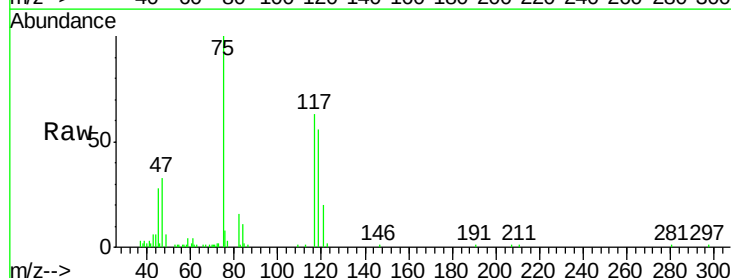
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

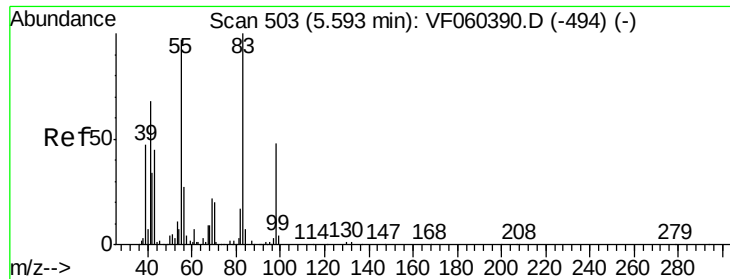
Tgt Ion: 43 Resp: 13110
Ion Ratio Lower Upper
43 100
61 71.9 105.1 157.7#
70 6.5 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.018 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 117 Resp: 33786
Ion Ratio Lower Upper
117 100
119 88.0 75.5 113.3
121 30.9 25.4 38.0

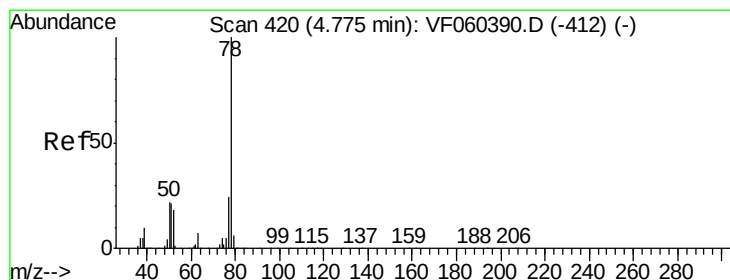
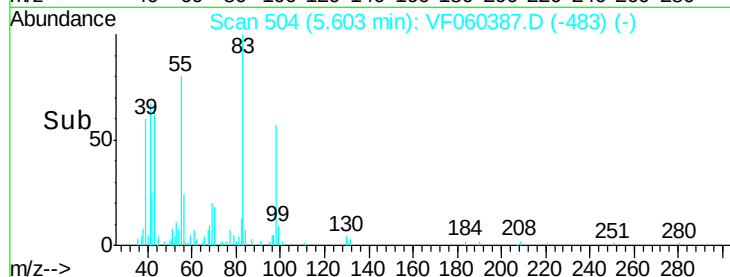
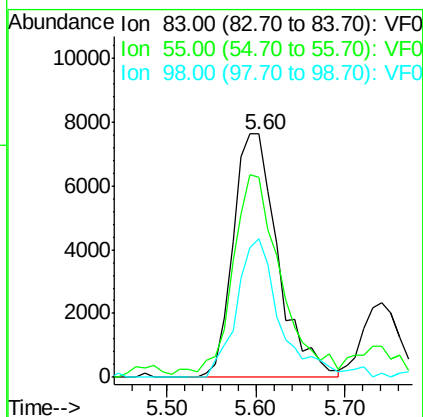
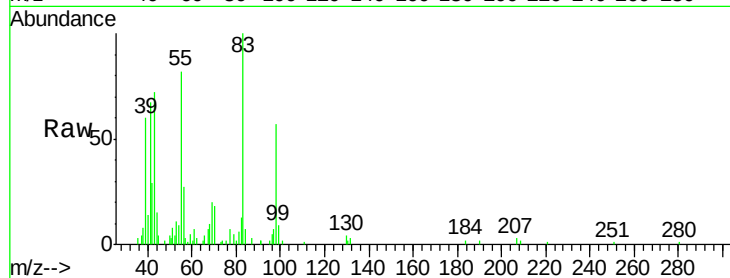




#39
Methylcyclohexane
Concen: 5.092 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

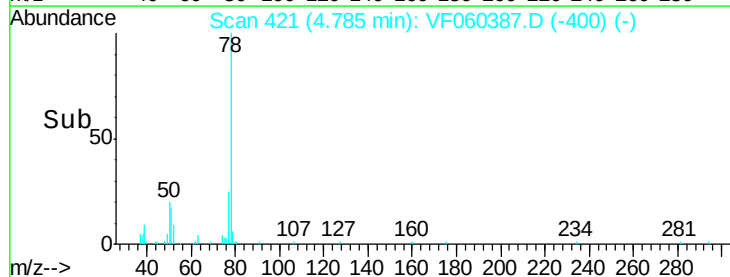
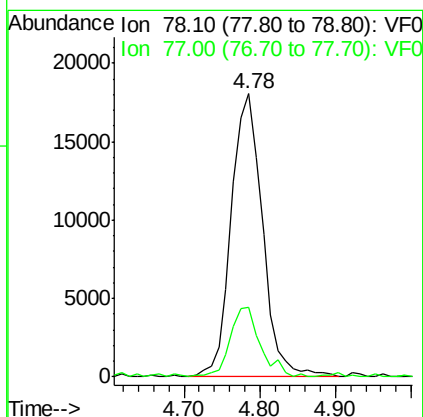
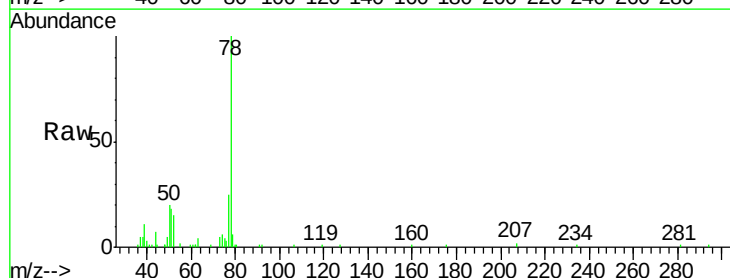
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

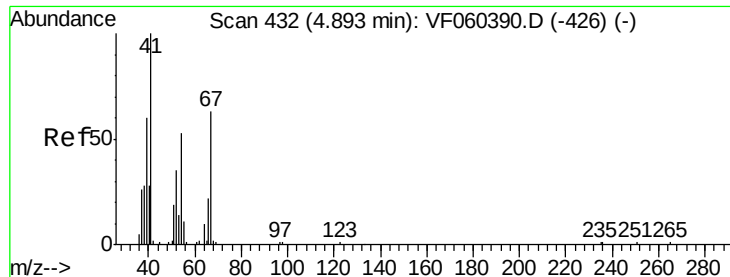
Tgt Ion: 83 Resp: 26687
Ion Ratio Lower Upper
83 100
55 82.3 77.5 116.3
98 57.1 38.7 58.1



#40
Benzene
Concen: 4.724 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 78 Resp: 51823
Ion Ratio Lower Upper
78 100
77 24.8 19.2 28.8





#41

Methacrylonitrile

Concen: 4.846 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5357

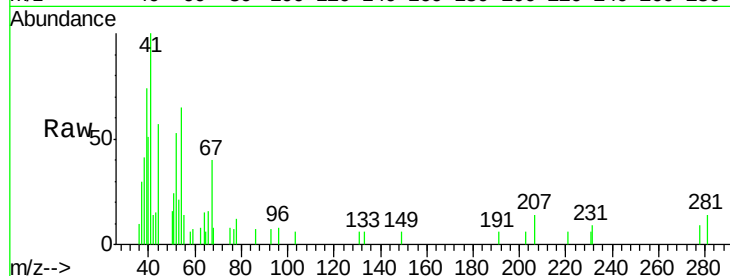
Ion Ratio Lower Upper

41 100

39 74.0 55.0 82.4

67 39.7 49.6 74.4#

52 53.2 38.8 58.2

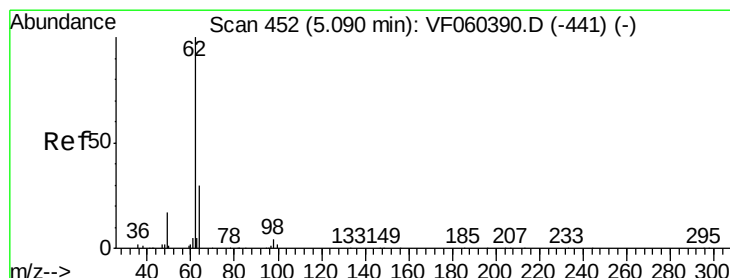
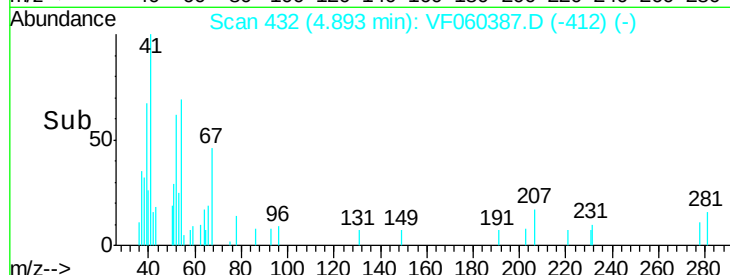
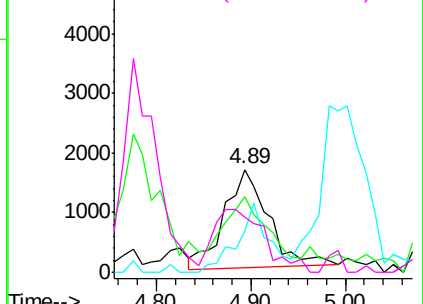


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 5.425 ug/l

RT: 5.09 min Scan# 452

Delta R.T. 0.00 min

Lab File: VF060387.D

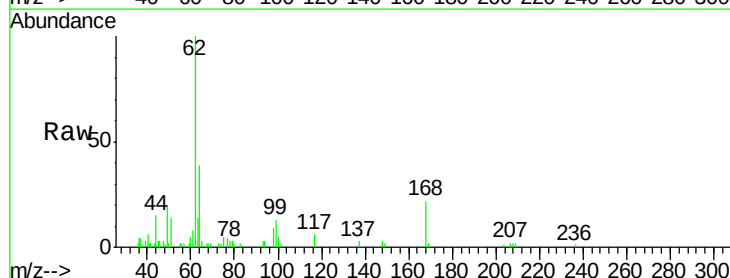
Acq: 1 Oct 2018 17:18

Tgt Ion: 62 Resp: 23038

Ion Ratio Lower Upper

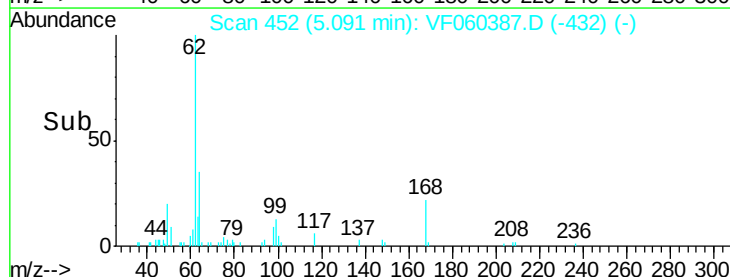
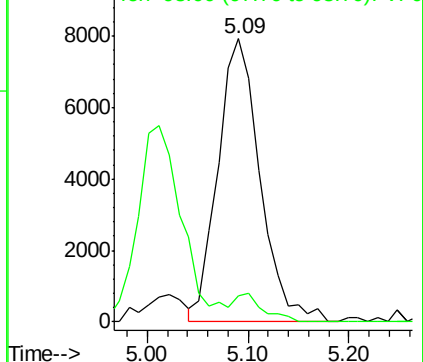
62 100

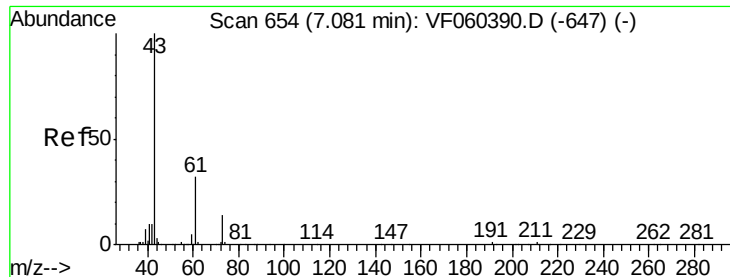
98 9.3 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 5.274 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

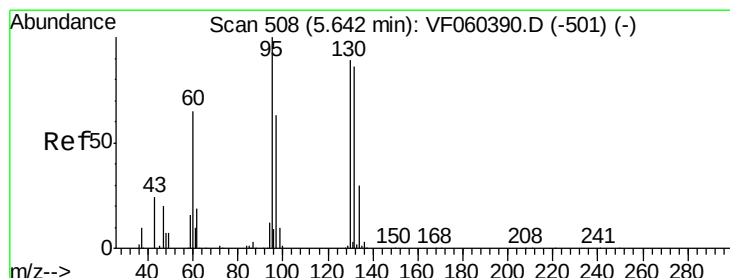
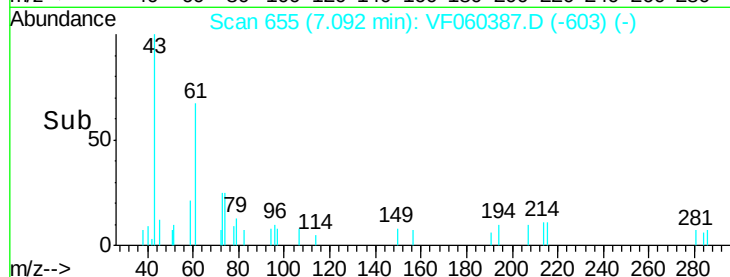
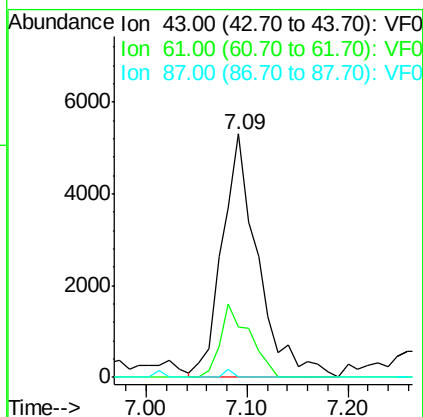
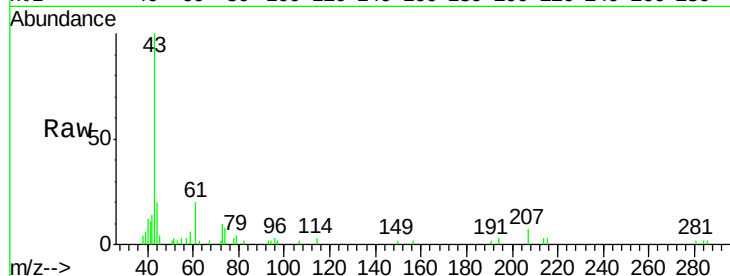
Tgt Ion: 43 Resp: 13098

Ion Ratio Lower Upper

43 100

61 20.5 25.4 38.2#

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 5.168 ug/l

RT: 5.65 min Scan# 509

Delta R.T. 0.01 min

Lab File: VF060387.D

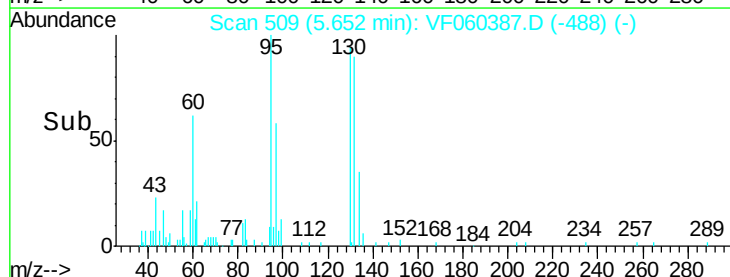
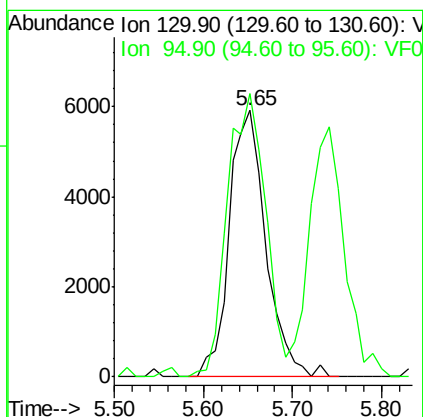
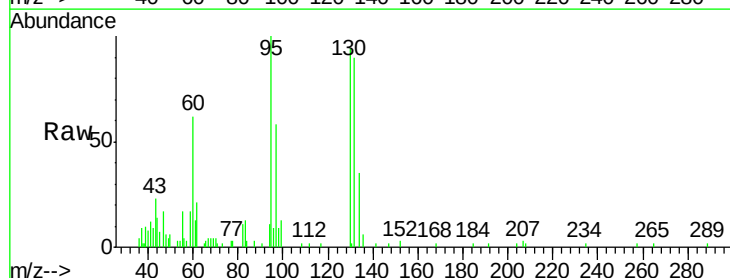
Acq: 1 Oct 2018 17:18

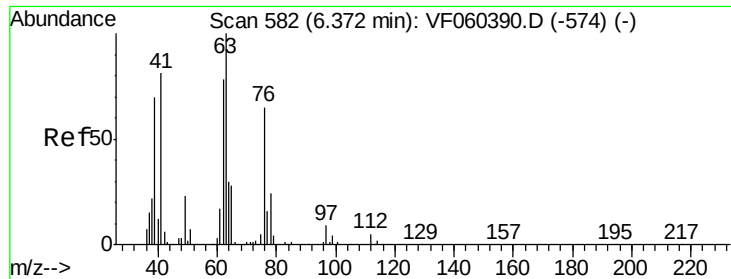
Tgt Ion: 130 Resp: 16981

Ion Ratio Lower Upper

130 100

95 106.2 0.0 224.4

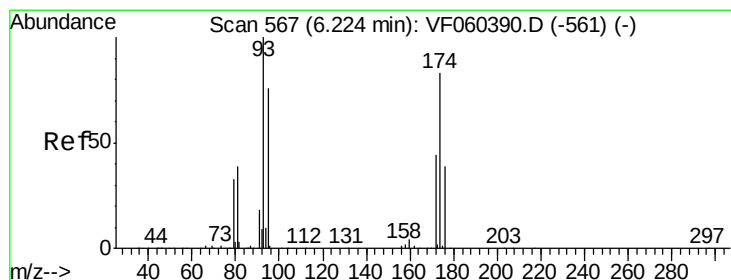
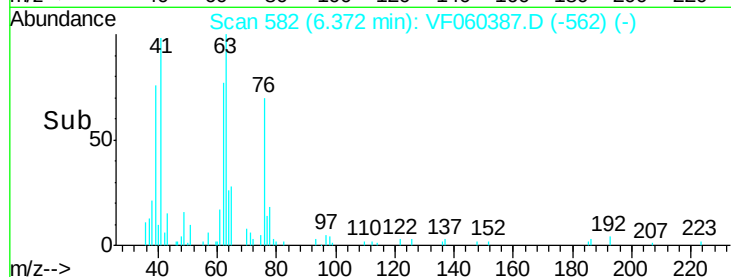
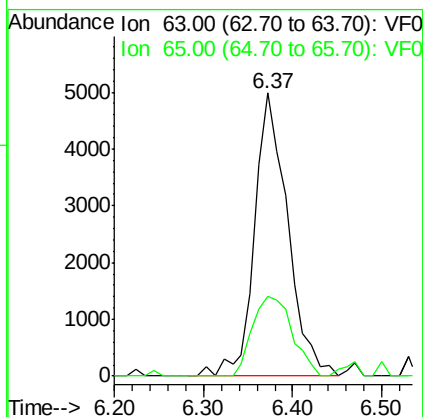
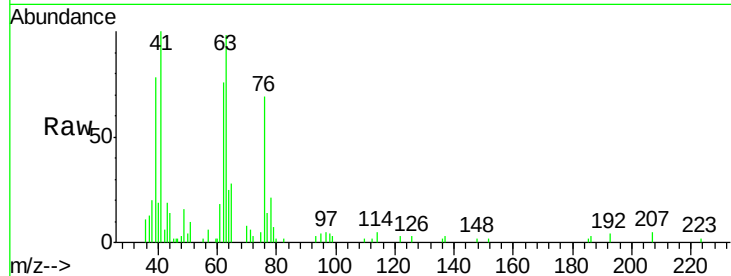




#45
1,2-Dichloropropane
Concen: 4.479 ug/l
RT: 6.37 min Scan# 582
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

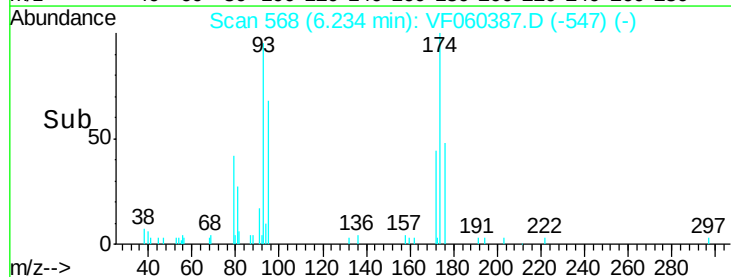
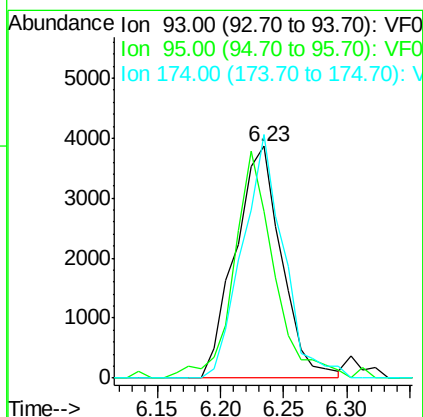
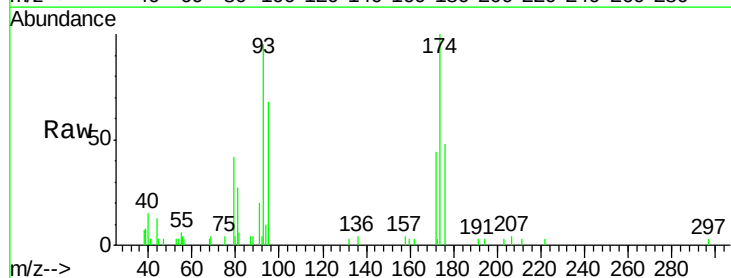
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

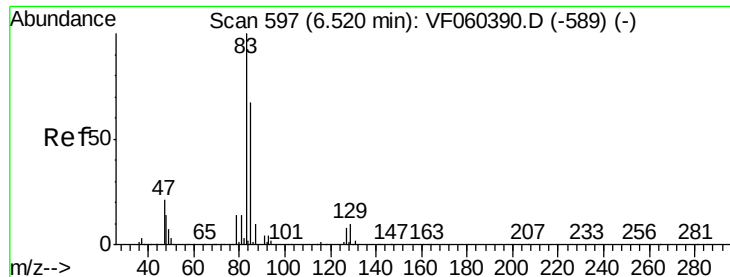
Tgt Ion: 63 Resp: 12800
Ion Ratio Lower Upper
63 100
65 28.0 22.7 34.1



#46
Dibromomethane
Concen: 4.724 ug/l
RT: 6.23 min Scan# 568
Delta R.T. 0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 93 Resp: 9862
Ion Ratio Lower Upper
93 100
95 71.8 61.1 91.7
174 105.0 66.7 100.1#





#47

Bromodichloromethane

Concen: 5.073 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

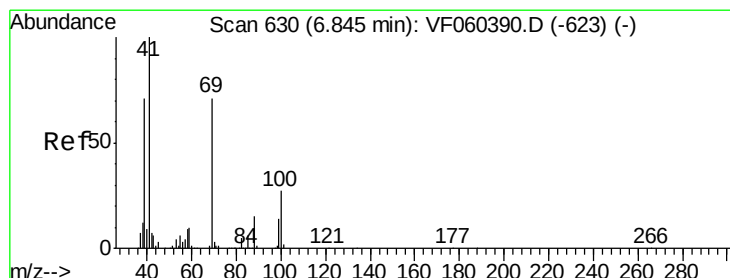
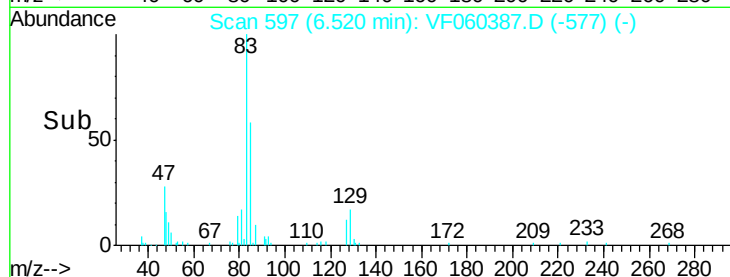
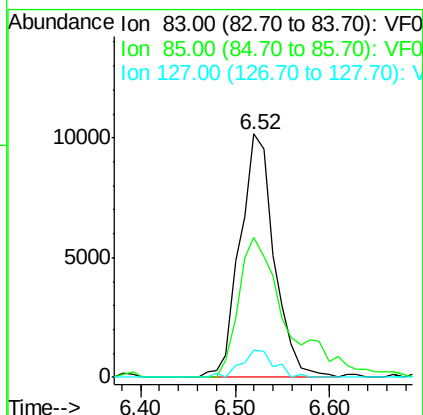
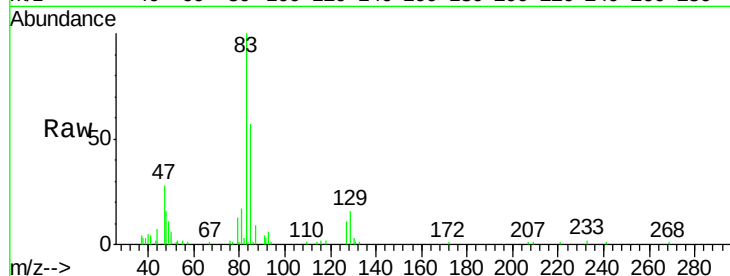
Tgt Ion: 83 Resp: 25572

Ion Ratio Lower Upper

83 100

85 57.4 53.2 79.8

127 11.4 6.6 9.8#



#48

Methyl methacrylate

Concen: 4.291 ug/l

RT: 6.85 min Scan# 630

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

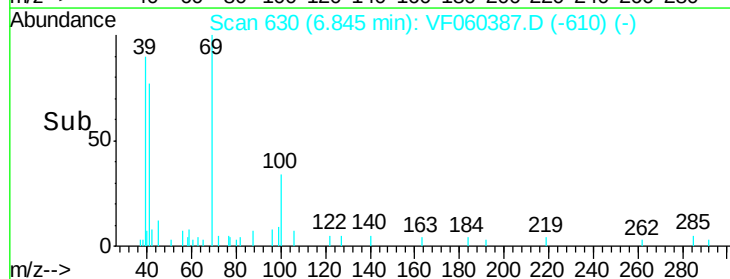
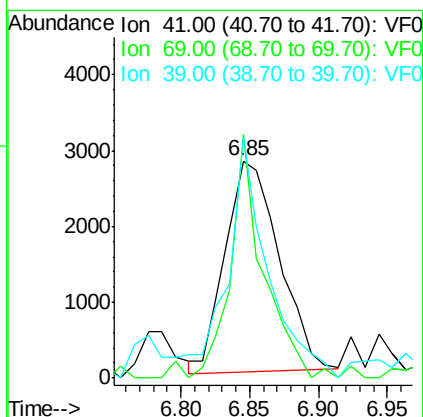
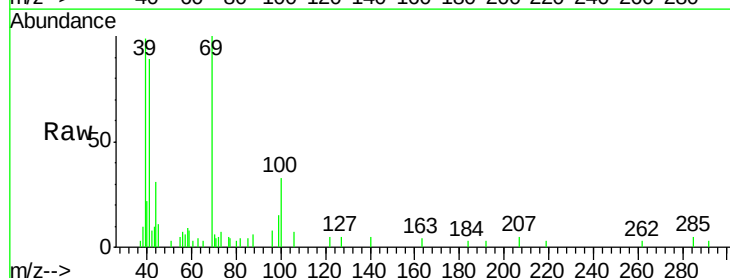
Tgt Ion: 41 Resp: 7580

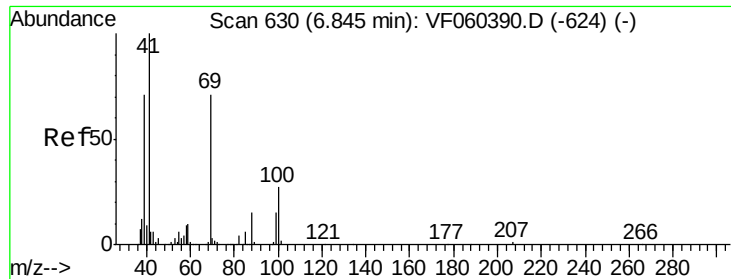
Ion Ratio Lower Upper

41 100

69 112.1 56.3 84.5#

39 111.0 56.9 85.3#





#49

1,4-Dioxane

Concen: 66.723 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

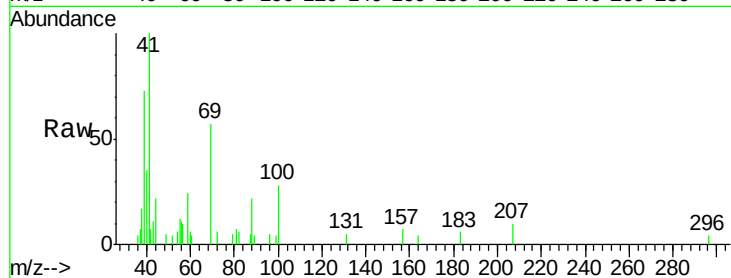
Tgt Ion: 88 Resp: 1043

Ion Ratio Lower Upper

88 100

43 49.3 38.3 57.5

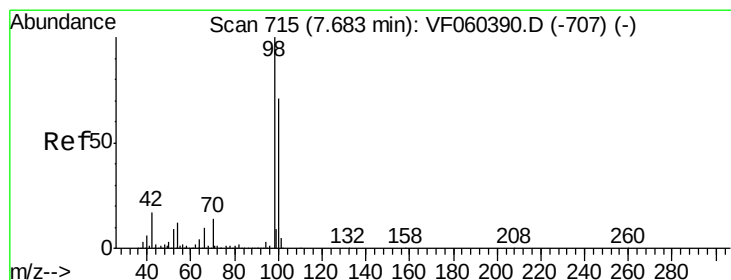
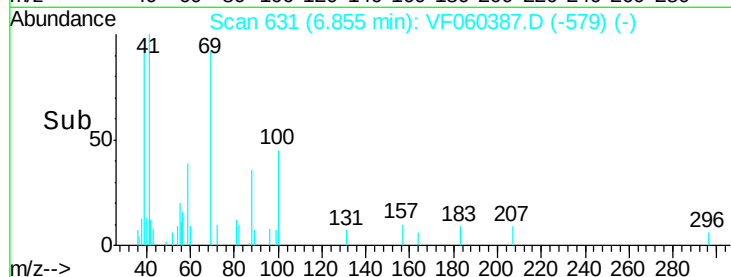
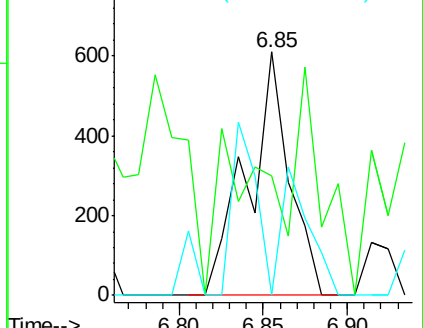
58 0.0 47.4 71.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 5.237 ug/l

RT: 7.68 min Scan# 715

Delta R.T. 0.00 min

Lab File: VF060387.D

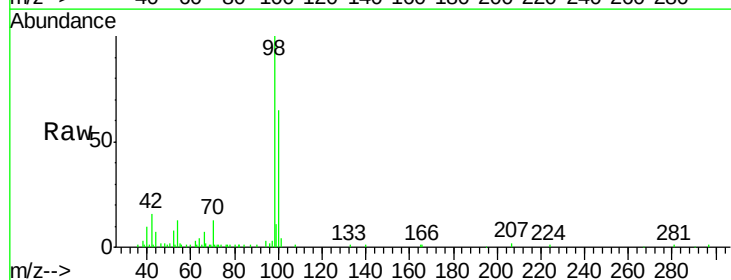
Acq: 1 Oct 2018 17:18

Tgt Ion: 98 Resp: 48456

Ion Ratio Lower Upper

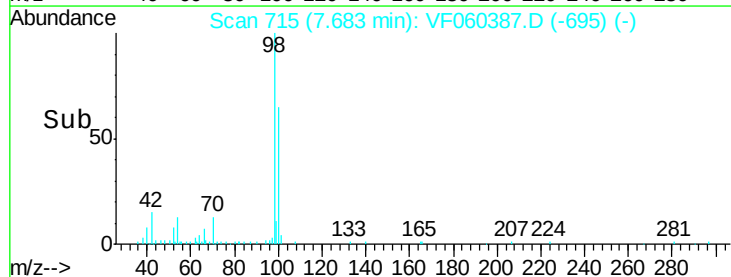
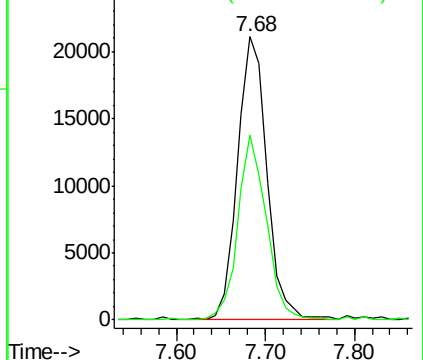
98 100

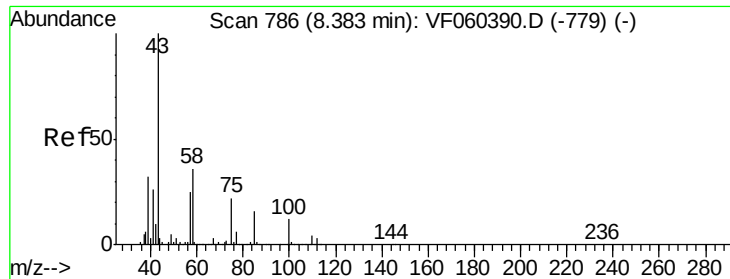
100 65.3 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

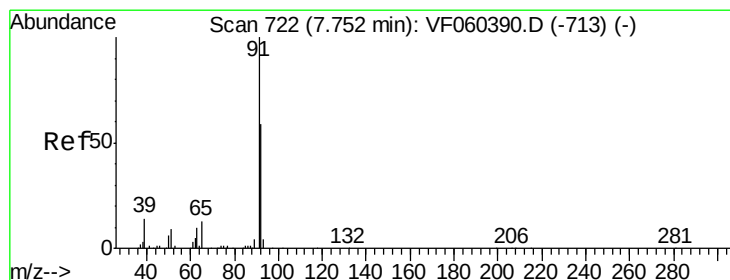
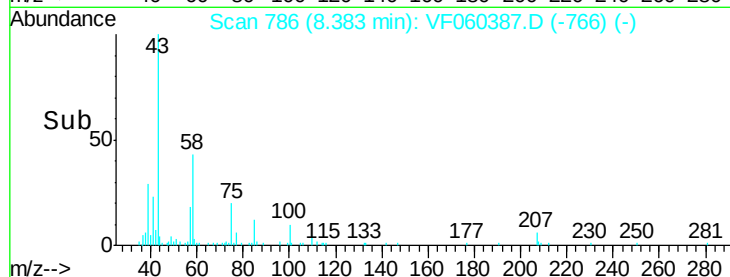
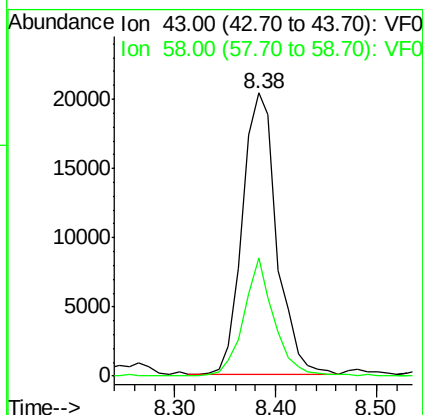
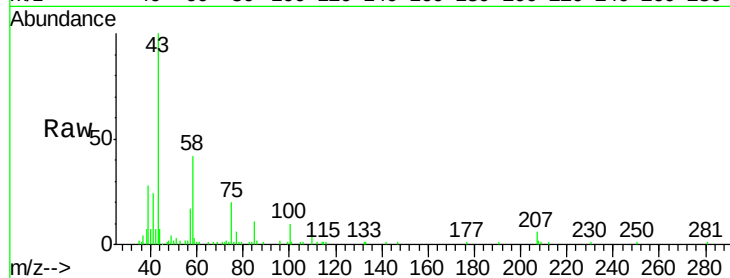




#51
 4-Methyl-2-Pentanone
 Concen: 25.966 ug/l
 RT: 8.38 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

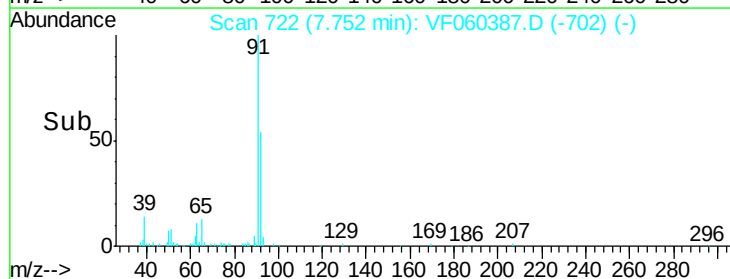
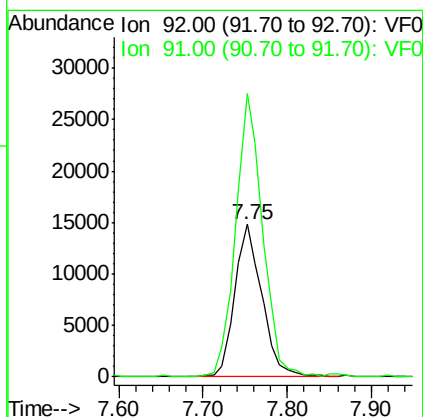
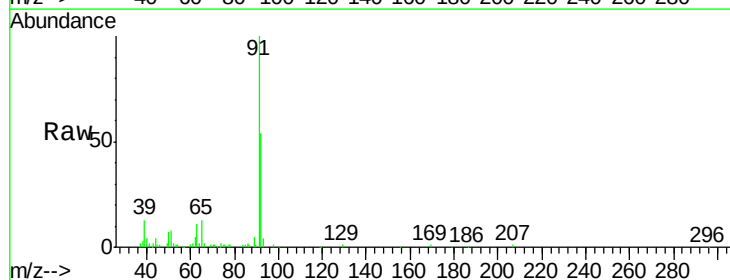
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

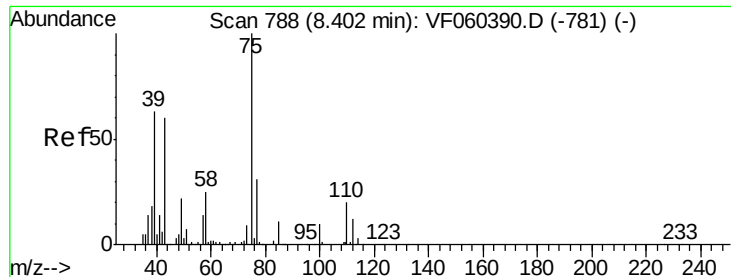
Tgt Ion: 43 Resp: 48408
 Ion Ratio Lower Upper
 43 100
 58 42.0 28.5 42.7



#52
 Toluene
 Concen: 4.766 ug/l
 RT: 7.75 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion: 92 Resp: 33359
 Ion Ratio Lower Upper
 92 100
 91 185.5 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 5.410 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

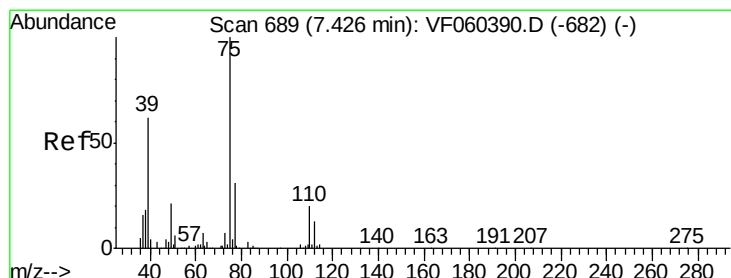
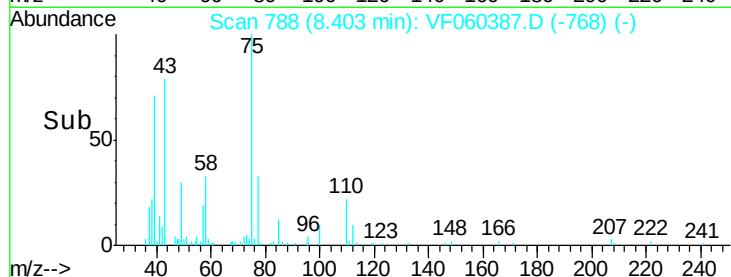
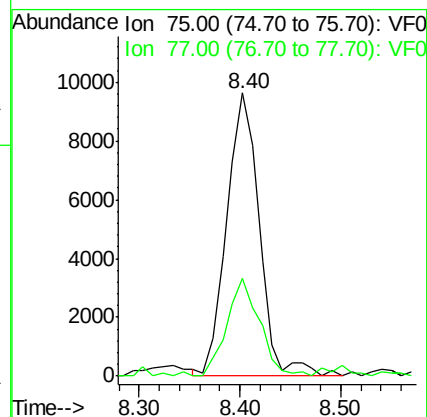
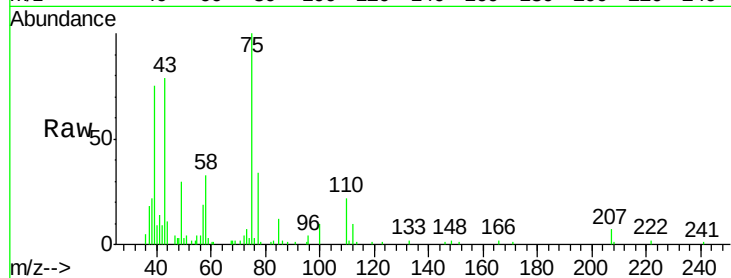
VSTDIC005

Tgt Ion: 75 Resp: 21741

Ion Ratio Lower Upper

75 100

77 34.5 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 4.447 ug/l

RT: 7.44 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

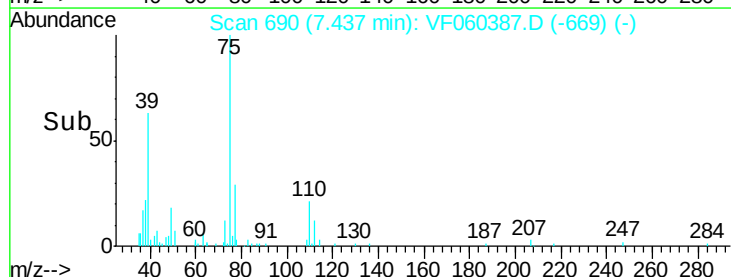
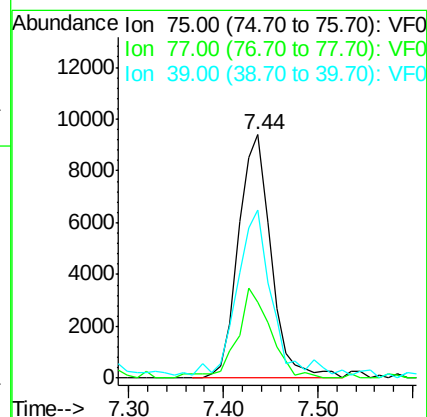
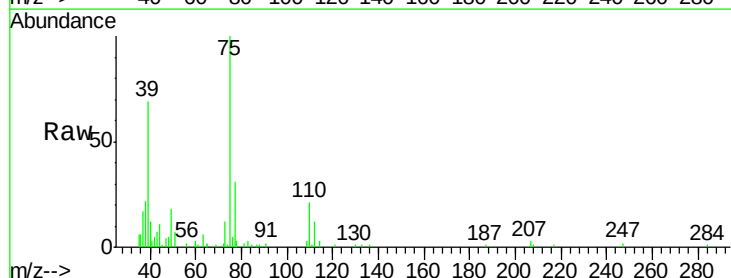
Tgt Ion: 75 Resp: 22424

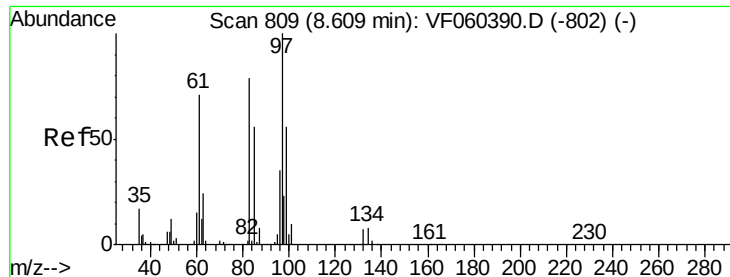
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 69.2 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 4.838 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 10275

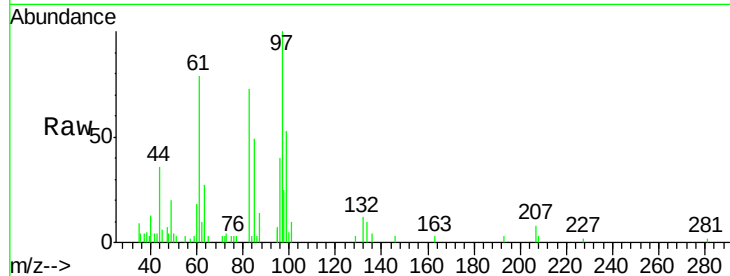
Ion Ratio Lower Upper

97 100

83 73.0 63.4 95.0

85 48.7 44.5 66.7

99 52.6 45.1 67.7

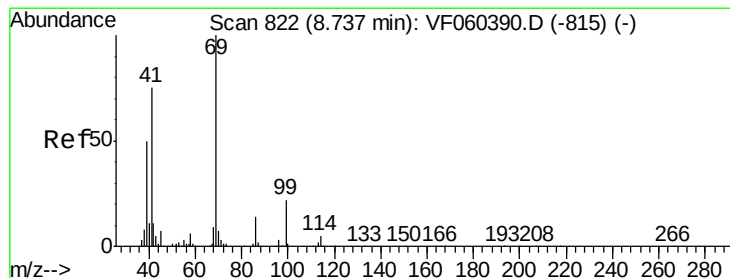
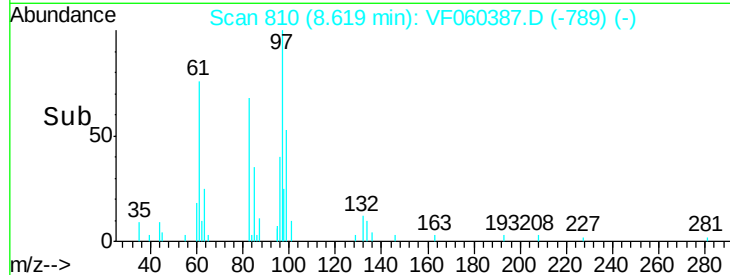
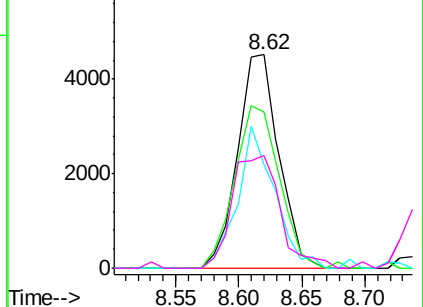


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 4.451 ug/l

RT: 8.75 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

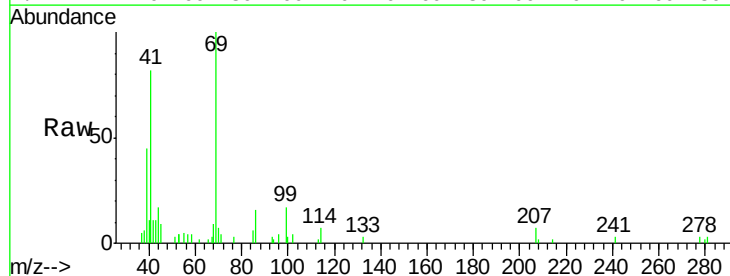
Tgt Ion: 69 Resp: 11429

Ion Ratio Lower Upper

69 100

41 82.3 60.2 90.4

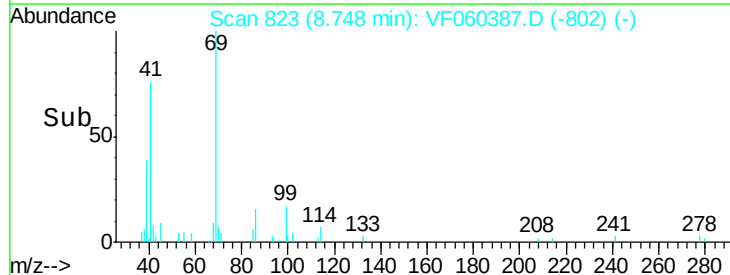
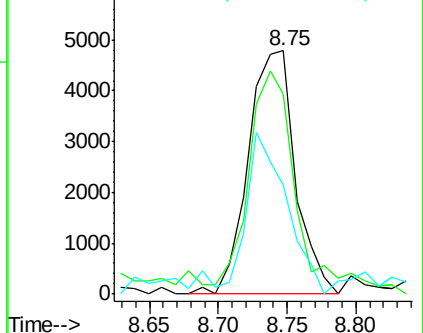
39 44.8 40.2 60.2

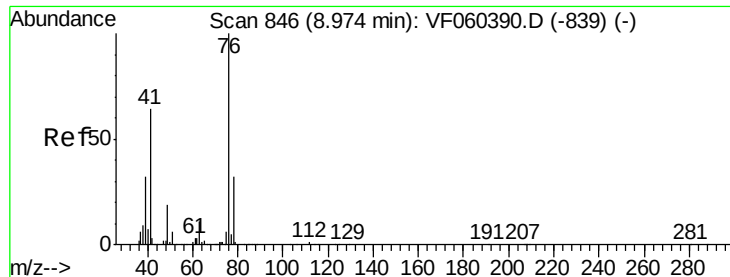


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.798 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

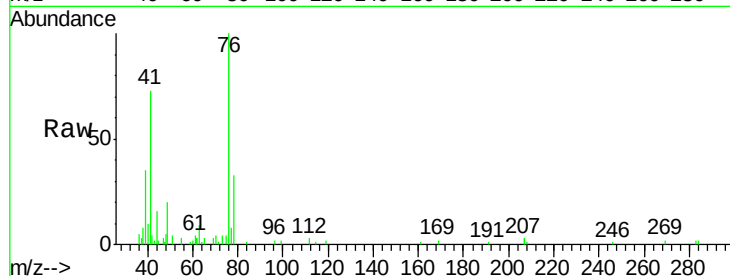
VSTDIC005

Tgt Ion: 76 Resp: 16945

Ion Ratio Lower Upper

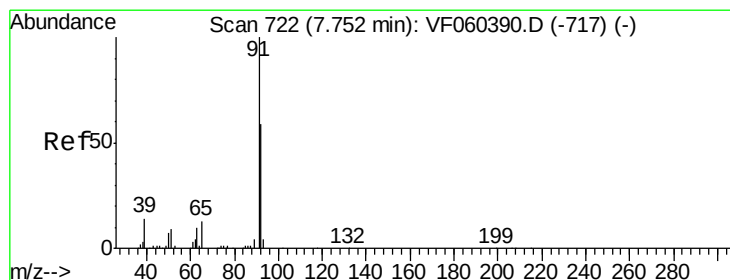
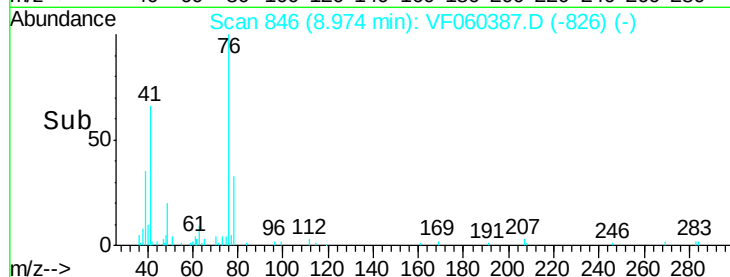
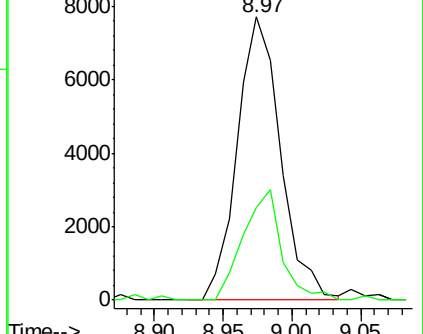
76 100

78 32.8 25.3 37.9



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: 27.334 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.00 min

Lab File: VF060387.D

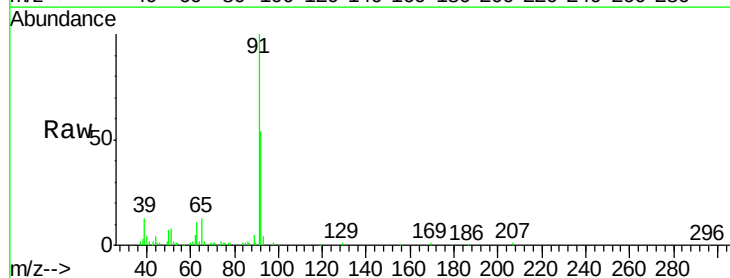
Acq: 1 Oct 2018 17:18

Tgt Ion: 63 Resp: 6362

Ion Ratio Lower Upper

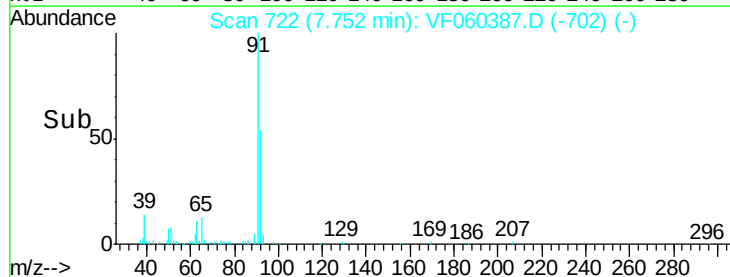
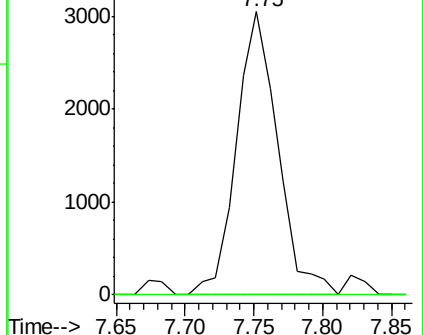
63 100

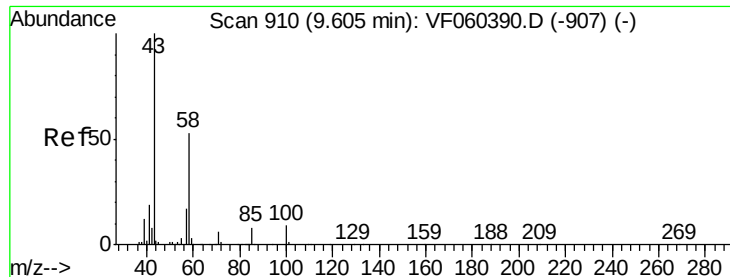
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

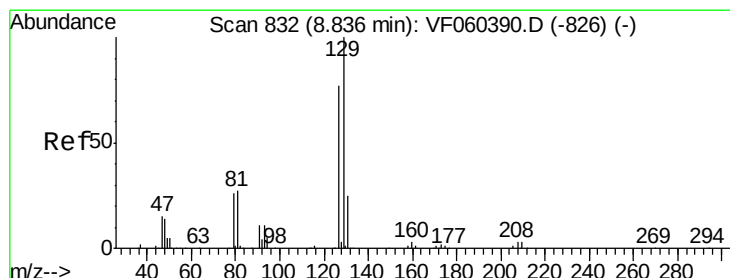
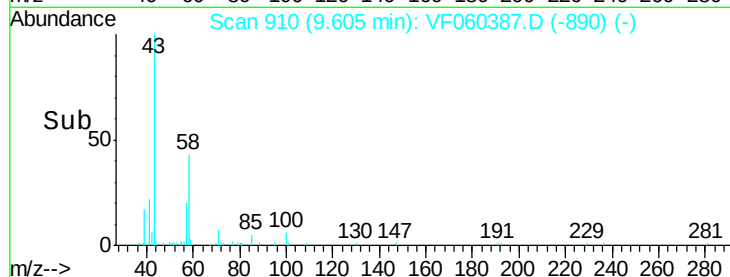
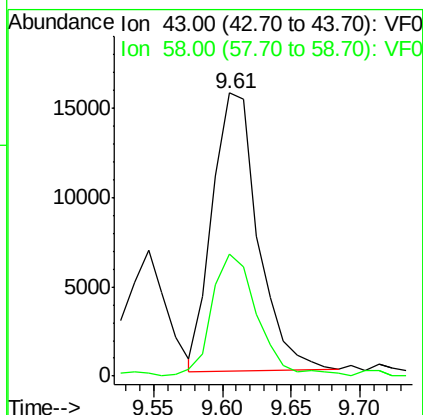
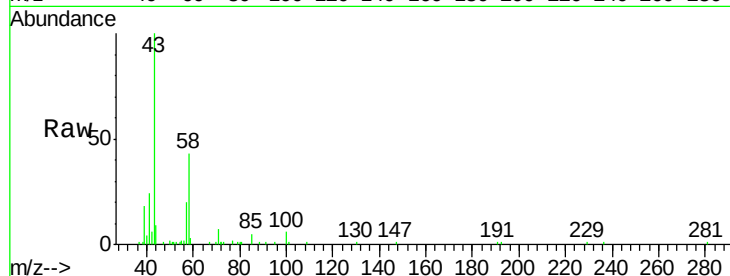




#59
2-Hexanone
Concen: 27.208 ug/l
RT: 9.61 min Scan# 910
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

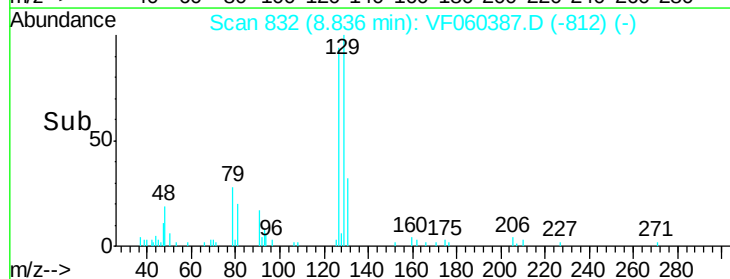
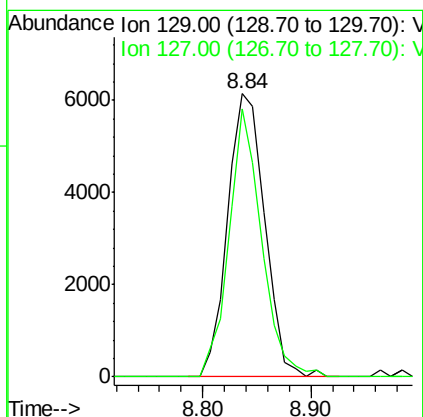
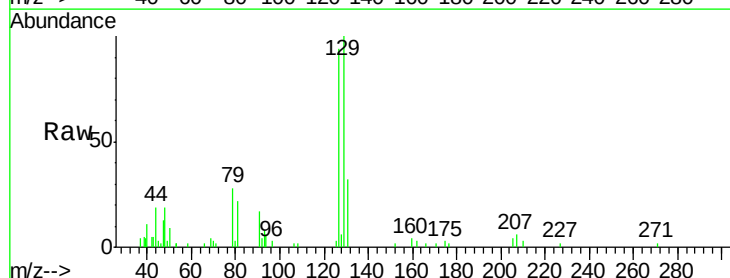
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

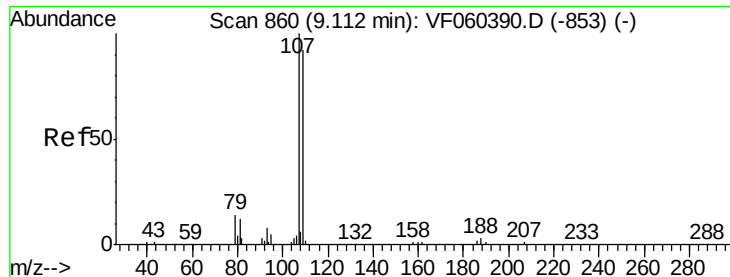
Tgt Ion: 43 Resp: 35866
Ion Ratio Lower Upper
43 100
58 43.2 25.6 76.6



#60
Dibromochloromethane
Concen: 4.575 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion: 129 Resp: 14644
Ion Ratio Lower Upper
129 100
127 100.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.696 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

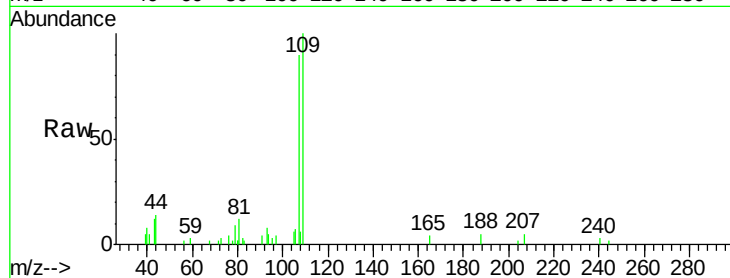
VSTDIC005

Tgt Ion: 107 Resp: 11230

Ion Ratio Lower Upper

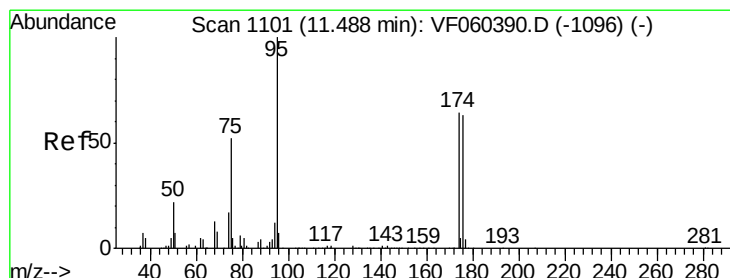
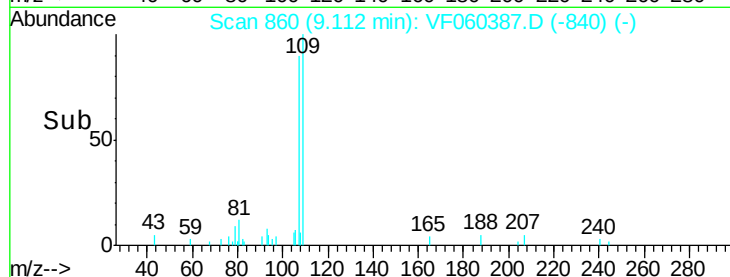
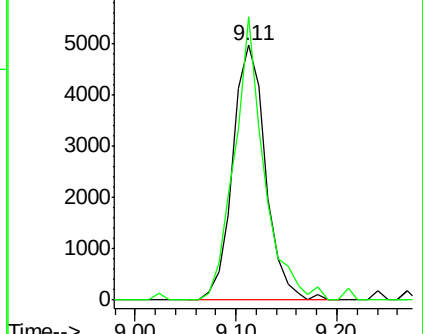
107 100

109 111.1 73.7 110.5#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.176 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

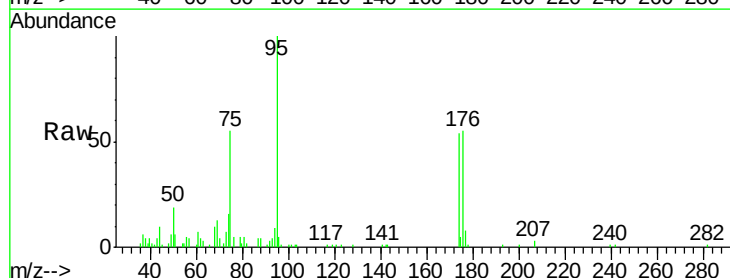
Tgt Ion: 95 Resp: 20878

Ion Ratio Lower Upper

95 100

174 54.0 0.0 129.0

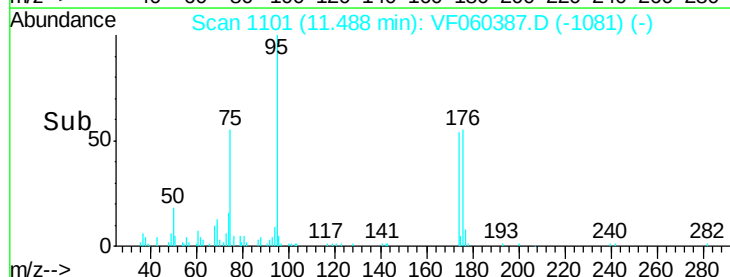
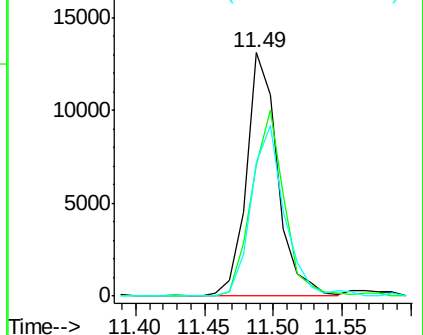
176 54.9 0.0 125.6

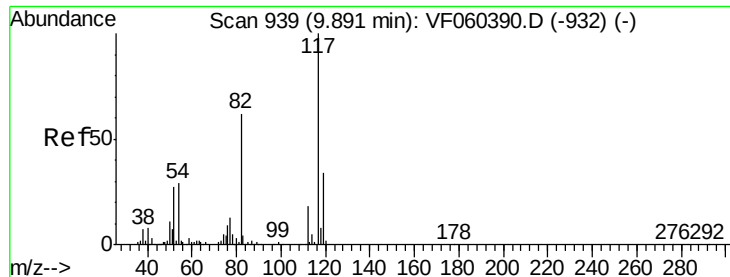


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

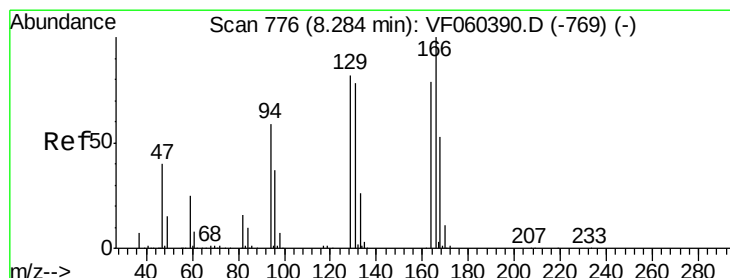
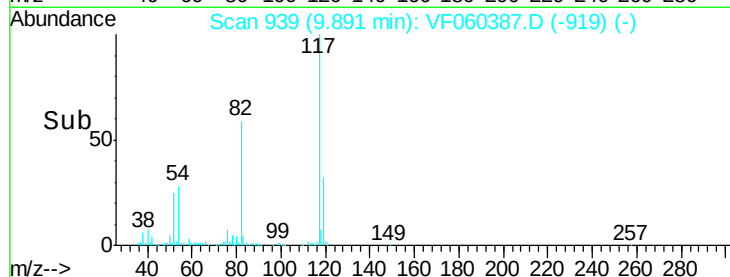
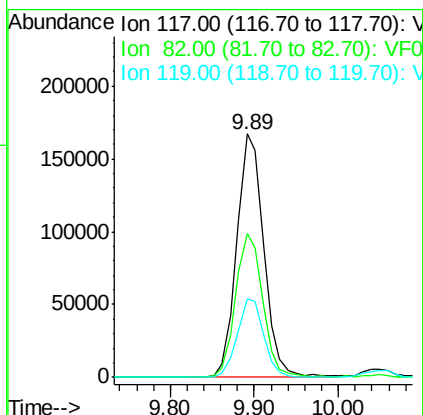
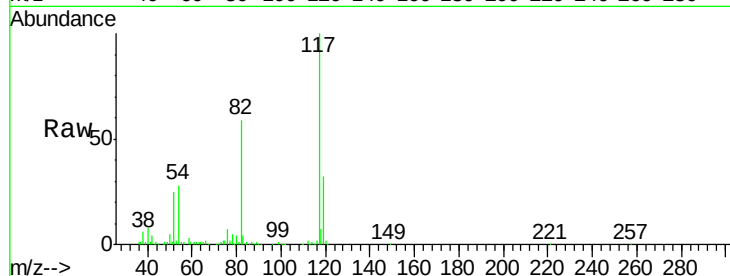




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

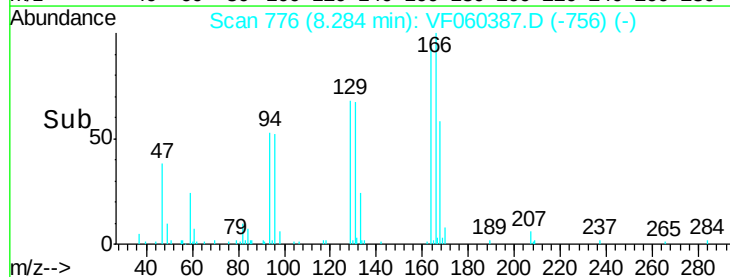
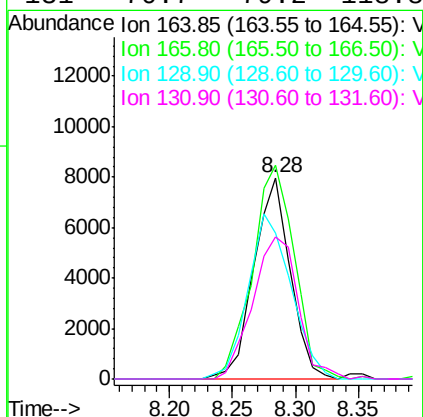
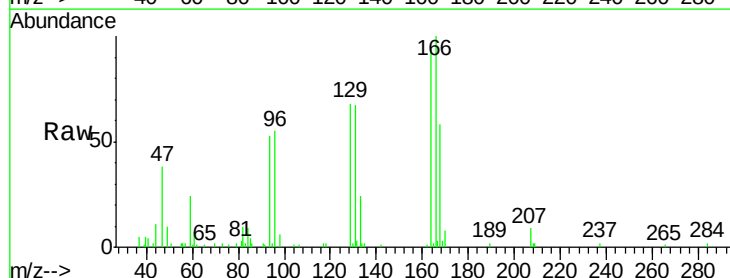
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

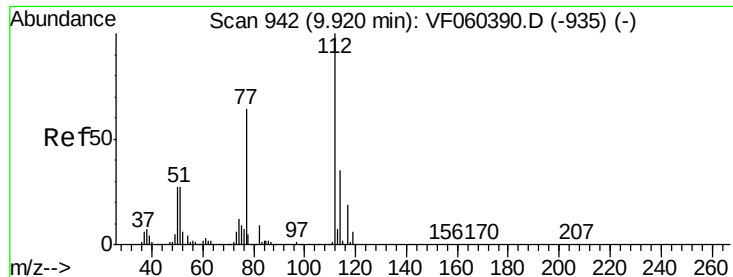
Tgt Ion:117 Resp: 375200
Ion Ratio Lower Upper
117 100
82 59.2 49.5 74.3
119 32.4 27.0 40.6



#64
Tetrachloroethene
Concen: 4.789 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion:164 Resp: 16040
Ion Ratio Lower Upper
164 100
166 106.3 101.0 151.6
129 72.5 82.5 123.7#
131 70.7 79.2 118.8#

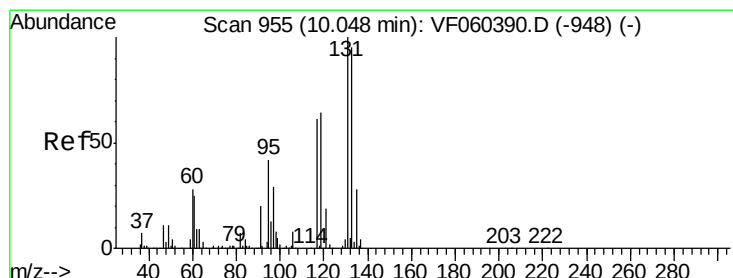
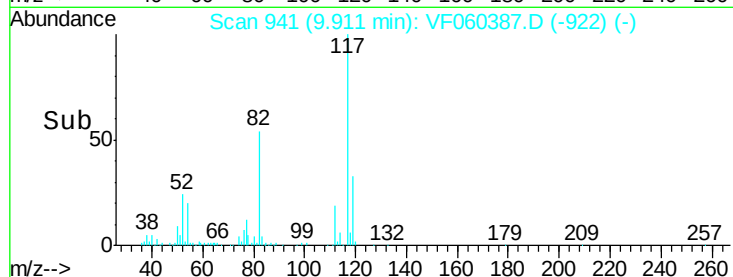
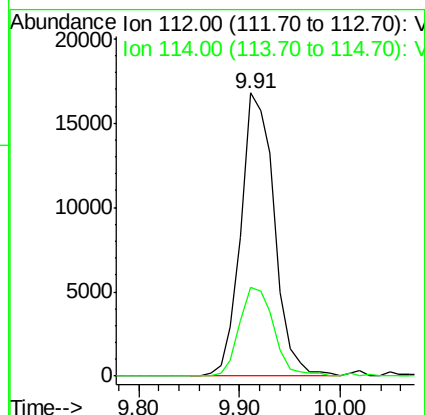
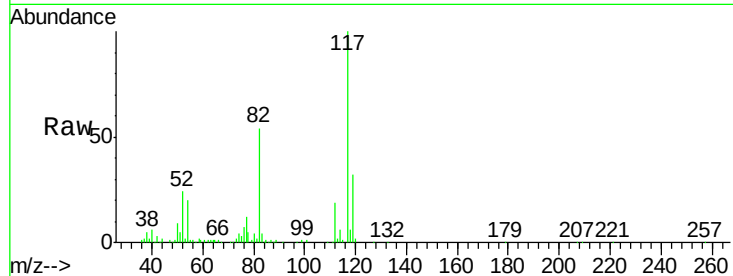




#65
Chlorobenzene
Concen: 4.625 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

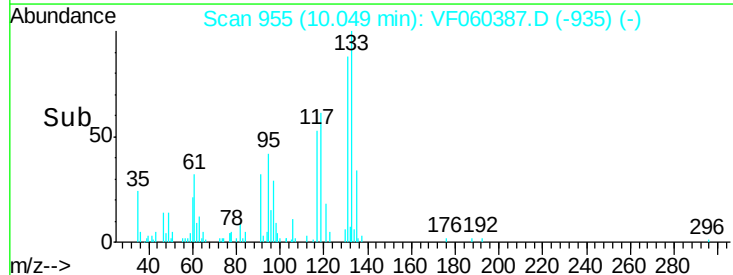
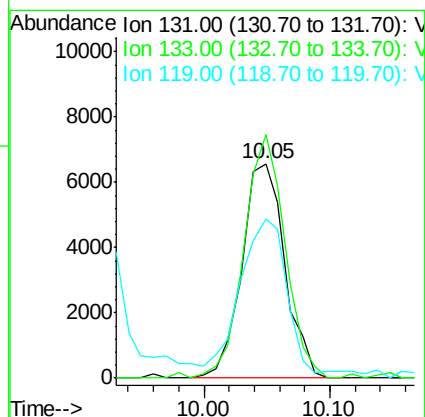
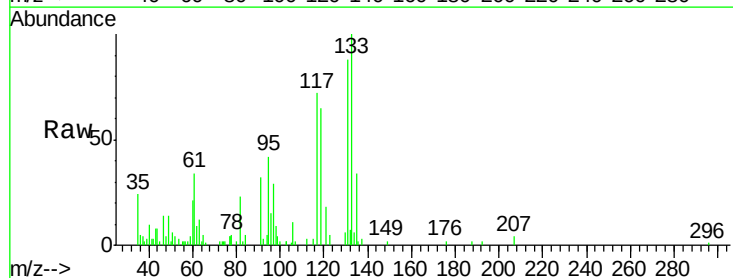
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

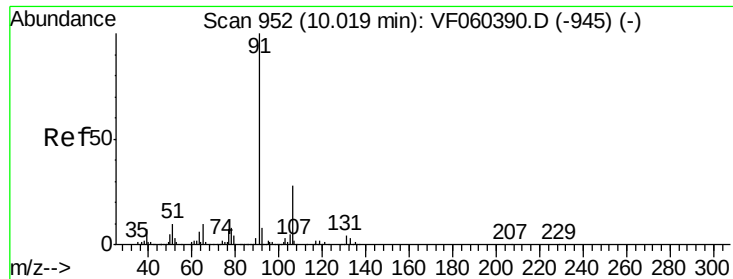
Tgt Ion:112 Resp: 38892
Ion Ratio Lower Upper
112 100
114 31.5 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 4.394 ug/l
RT: 10.05 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion:131 Resp: 15559
Ion Ratio Lower Upper
131 100
133 113.5 47.3 141.8
119 74.1 32.3 96.9





#67

Ethyl Benzene

Concen: 4.389 ug/l

RT: 10.02 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

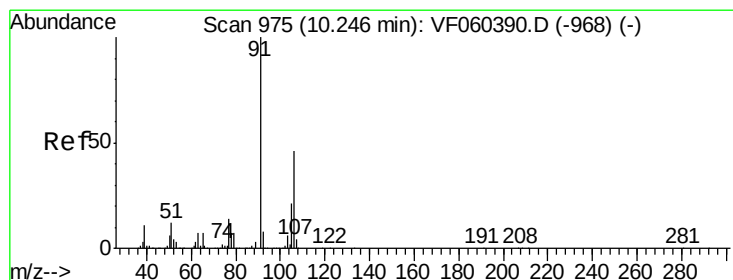
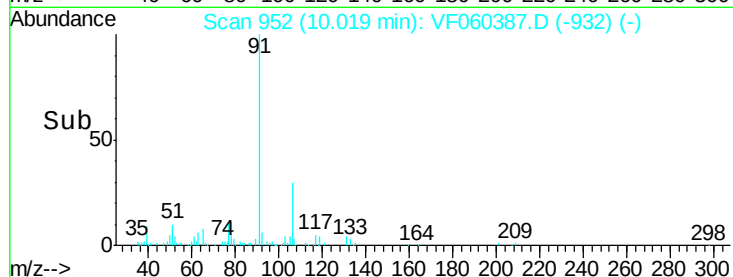
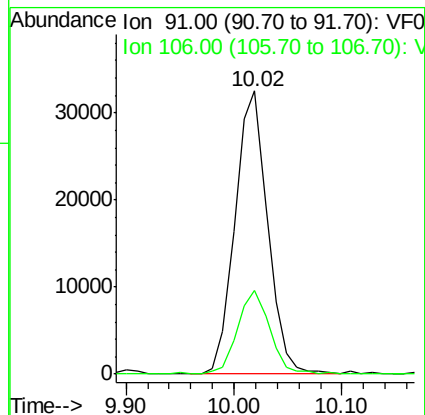
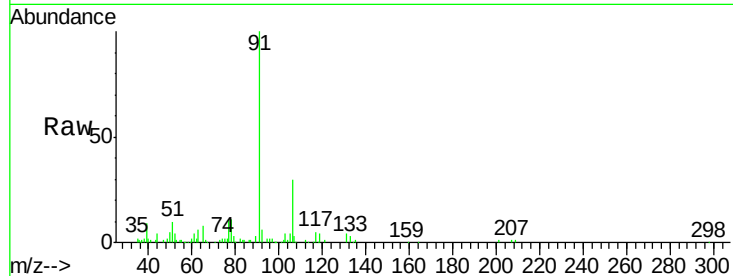
VSTDIC005

Tgt Ion: 91 Resp: 68545

Ion Ratio Lower Upper

91 100

106 29.6 22.5 33.7



#68

m/p-Xylenes

Concen: 9.381 ug/l

RT: 10.25 min Scan# 975

Delta R.T. 0.00 min

Lab File: VF060387.D

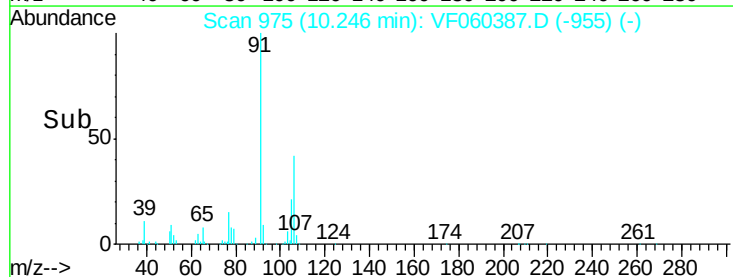
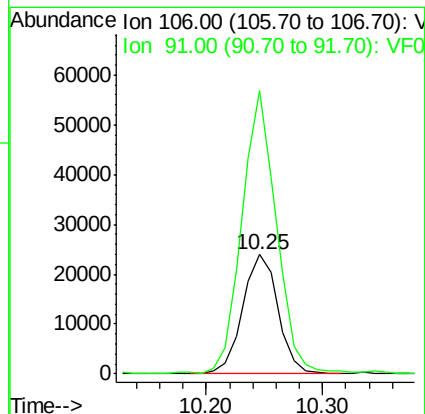
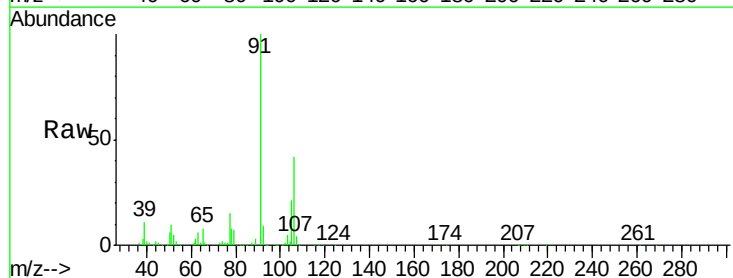
Acq: 1 Oct 2018 17:18

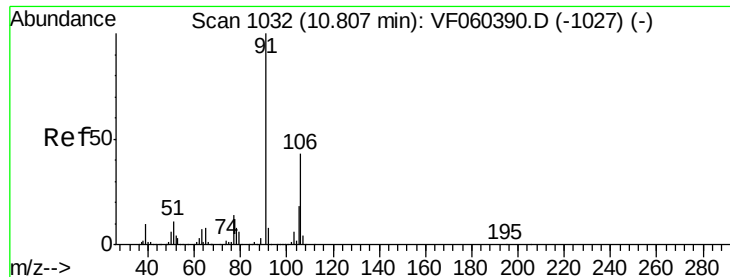
Tgt Ion: 106 Resp: 50571

Ion Ratio Lower Upper

106 100

91 237.8 175.0 262.6

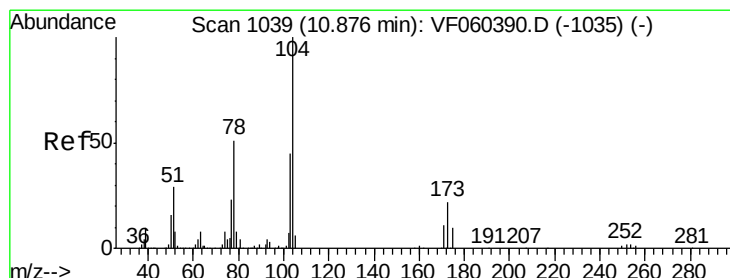
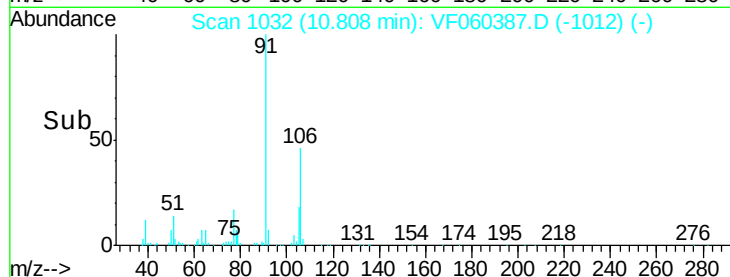
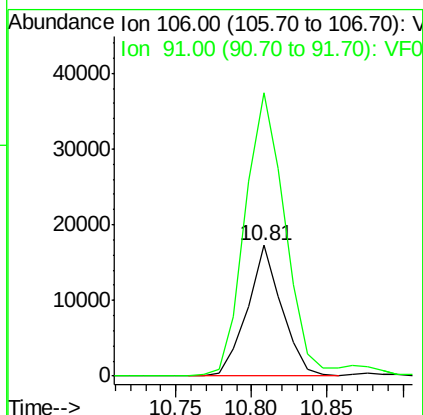
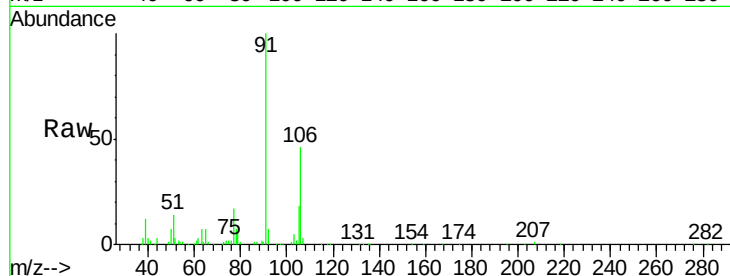




#69
o-Xylene
Concen: 4.558 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

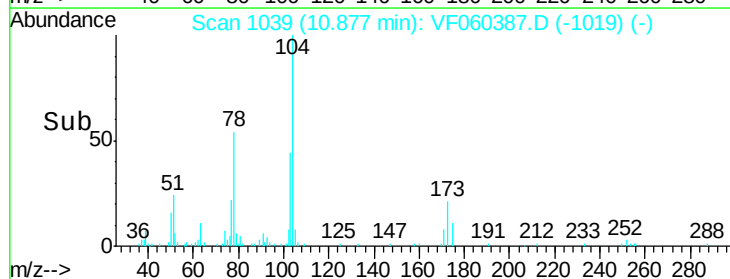
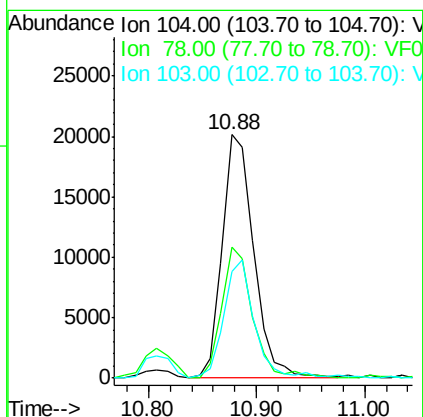
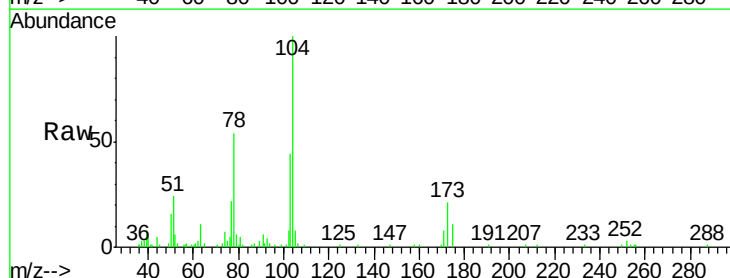
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

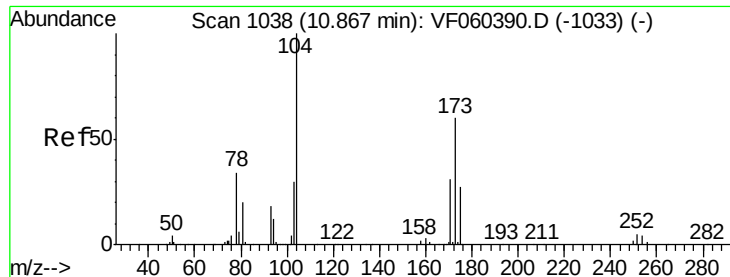
Tgt Ion:106 Resp: 27498
Ion Ratio Lower Upper
106 100
91 217.0 115.1 345.2



#70
Styrene
Concen: 4.840 ug/l
RT: 10.88 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF060387.D
Acq: 1 Oct 2018 17:18

Tgt Ion:104 Resp: 41069
Ion Ratio Lower Upper
104 100
78 53.6 41.0 61.4
103 43.9 36.4 54.6





#71

Bromoform

Concen: 4.242 ug/l

RT: 10.87 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

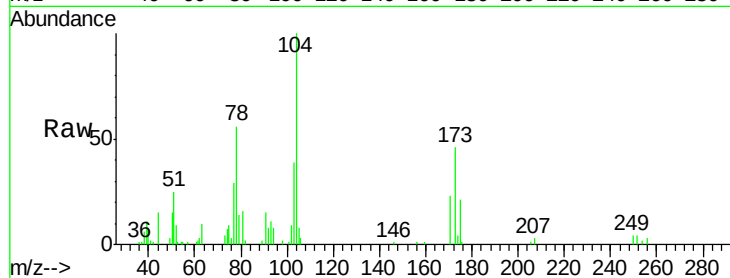
Tgt Ion:173 Resp: 8192

Ion Ratio Lower Upper

173 100

175 48.9 22.1 66.1

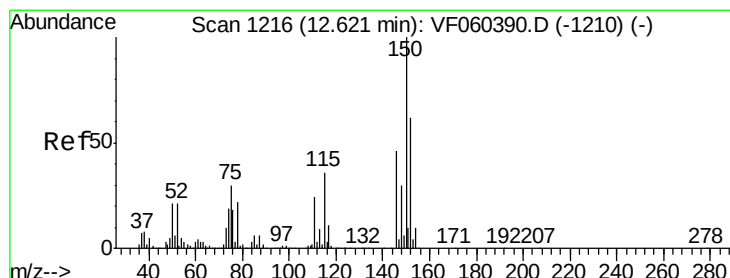
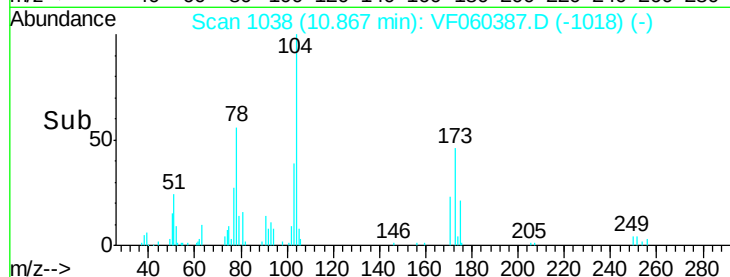
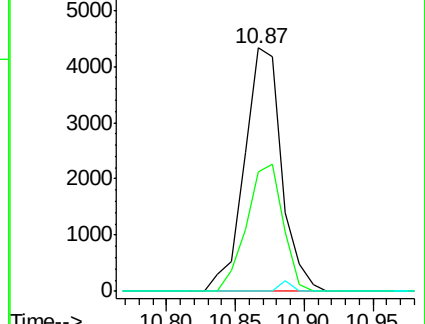
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

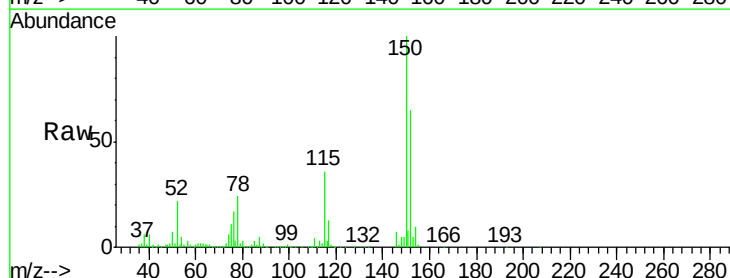
Tgt Ion:152 Resp: 204560

Ion Ratio Lower Upper

152 100

115 55.9 28.6 85.8

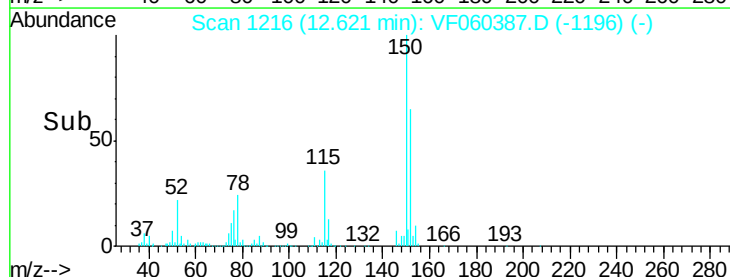
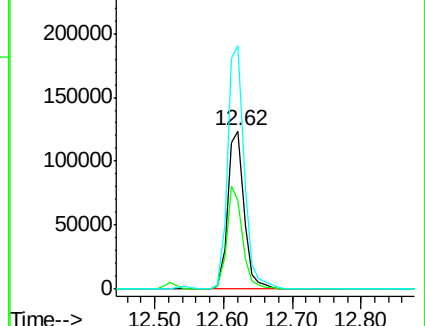
150 154.2 0.0 324.6

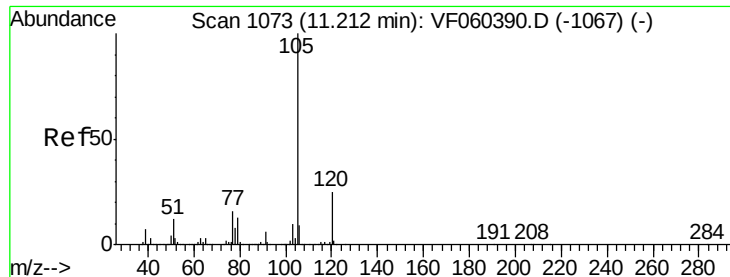


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.881 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

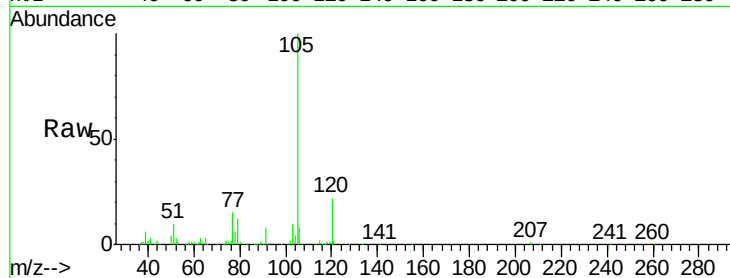
VSTDIC005

Tgt Ion: 105 Resp: 88156

Ion Ratio Lower Upper

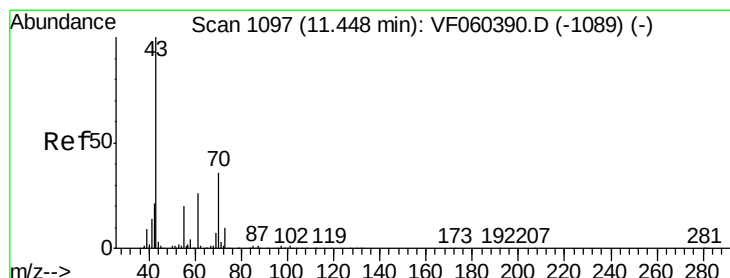
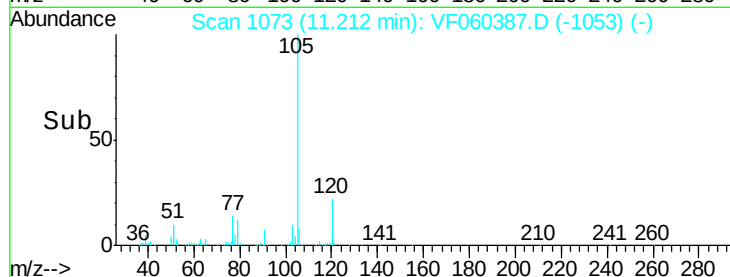
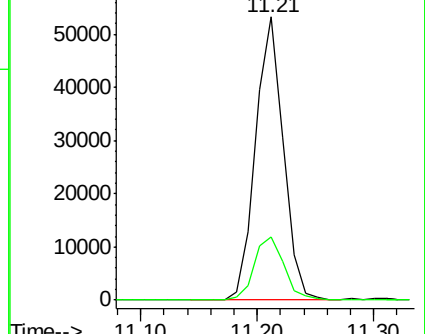
105 100

120 22.3 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.303 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Tgt Ion: 43 Resp: 20746

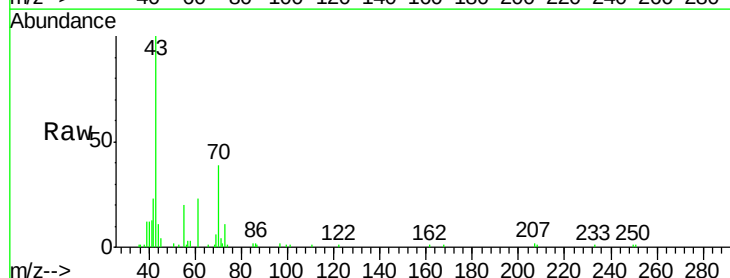
Ion Ratio Lower Upper

43 100

70 38.6 29.1 43.7

55 19.5 16.3 24.5

61 23.3 21.0 31.4

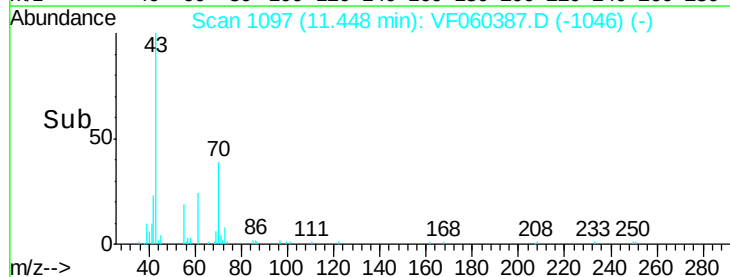
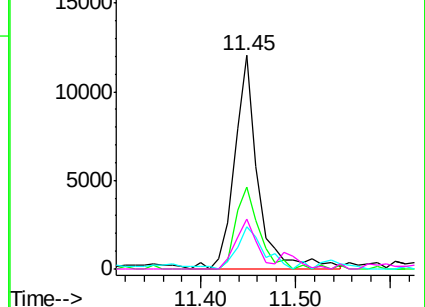


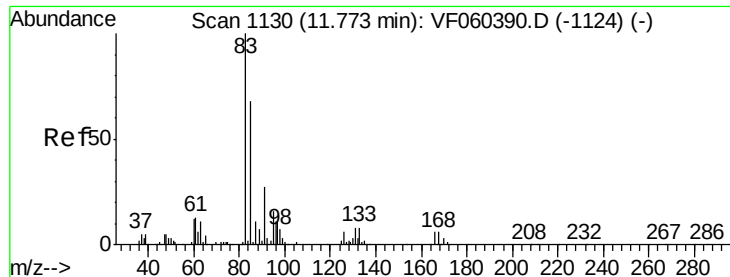
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.653 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

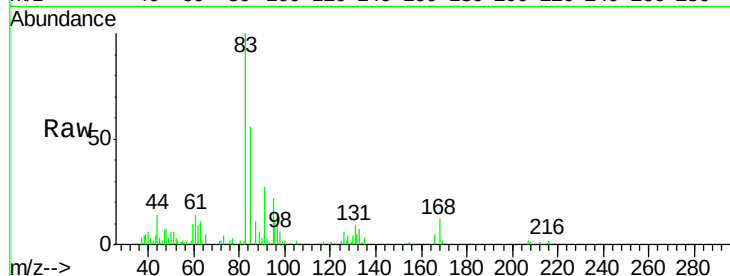
Tgt Ion: 83 Resp: 14916

Ion Ratio Lower Upper

83 100

131 8.6 4.0 12.0

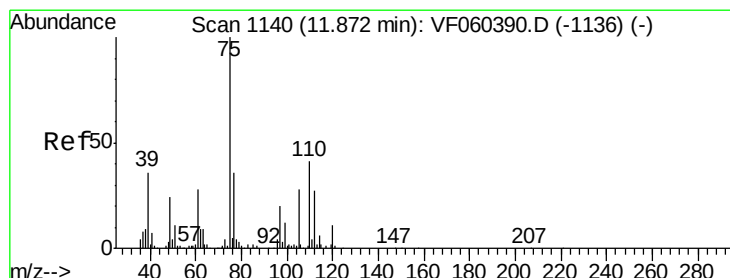
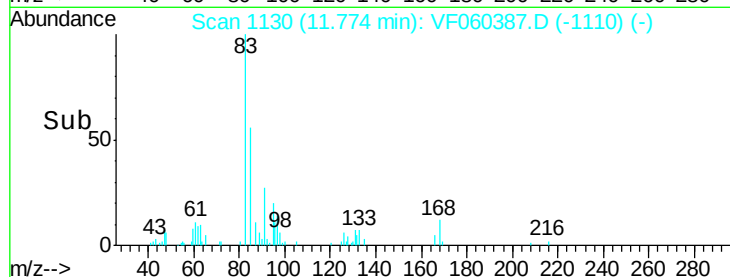
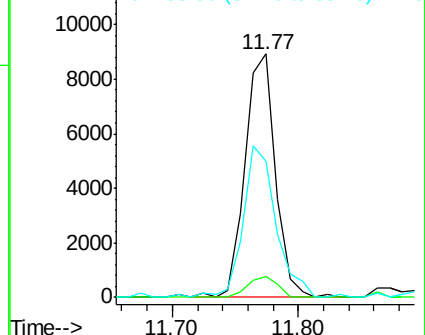
85 55.8 34.0 102.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 5.174 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060387.D

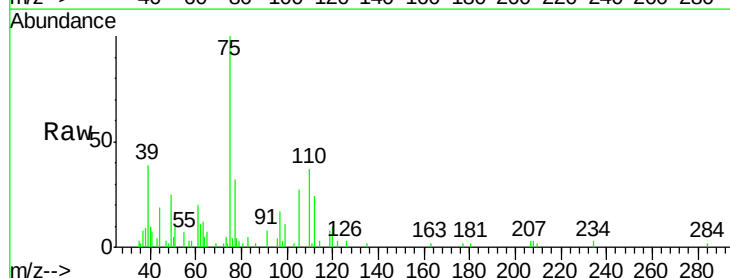
Acq: 1 Oct 2018 17:18

Tgt Ion: 75 Resp: 12001

Ion Ratio Lower Upper

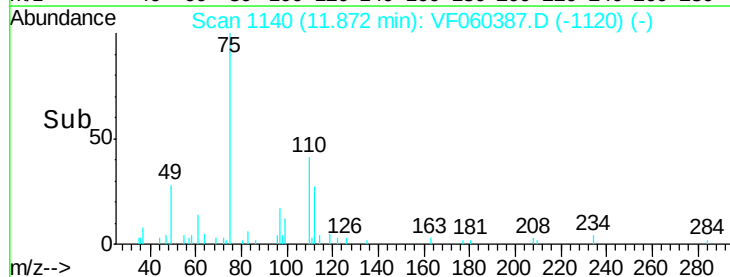
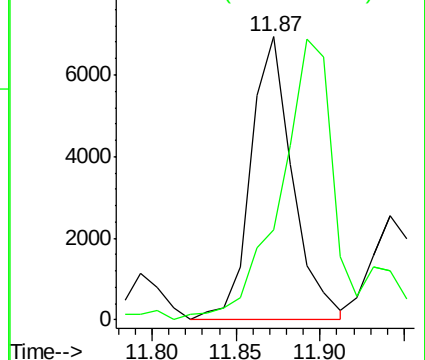
75 100

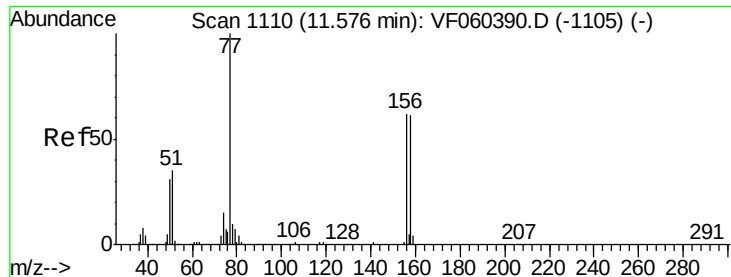
77 32.0 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 4.194 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

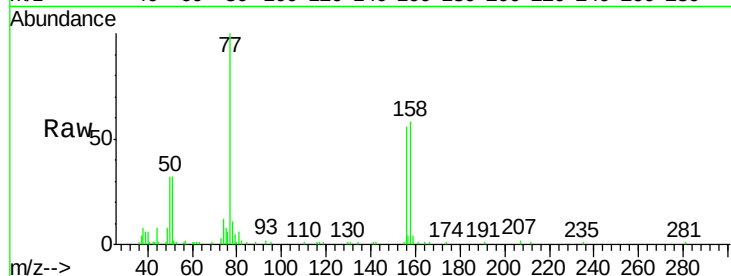
Tgt Ion:156 Resp: 16364

Ion Ratio Lower Upper

156 100

77 166.8 81.3 243.9

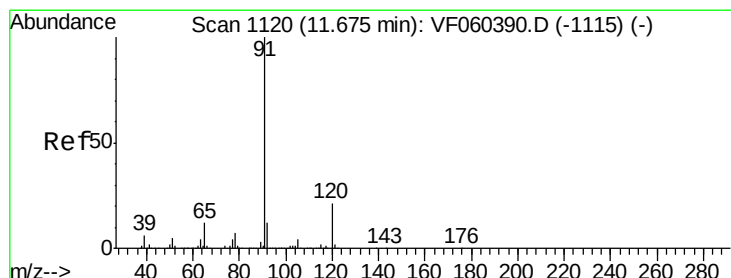
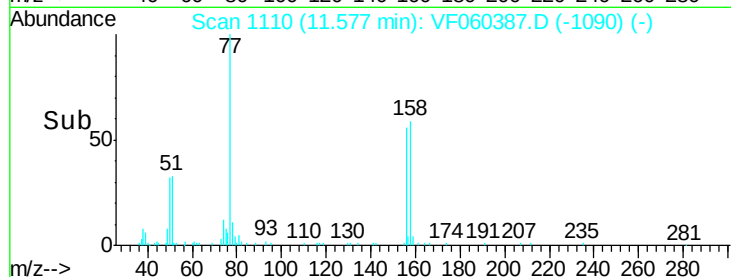
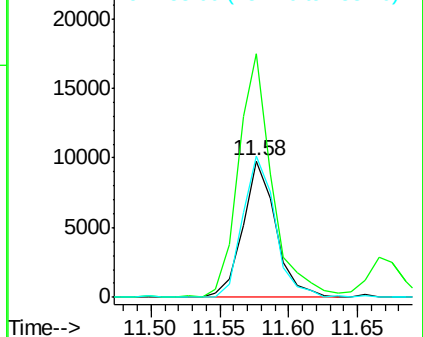
158 97.0 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.171 ug/l

RT: 11.67 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF060387.D

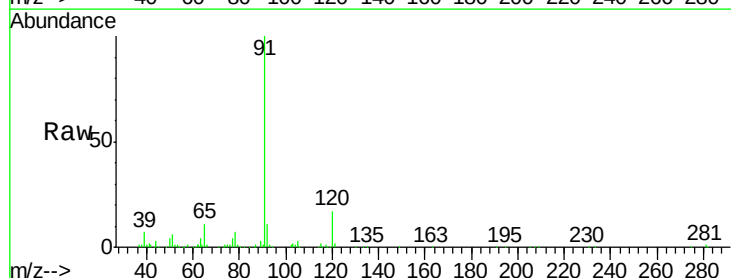
Acq: 1 Oct 2018 17:18

Tgt Ion: 91 Resp: 110898

Ion Ratio Lower Upper

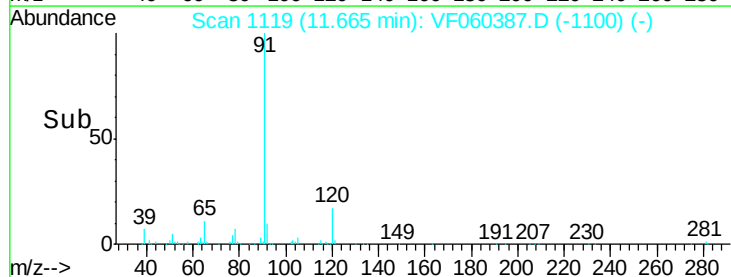
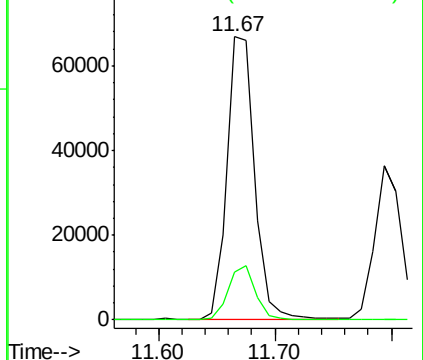
91 100

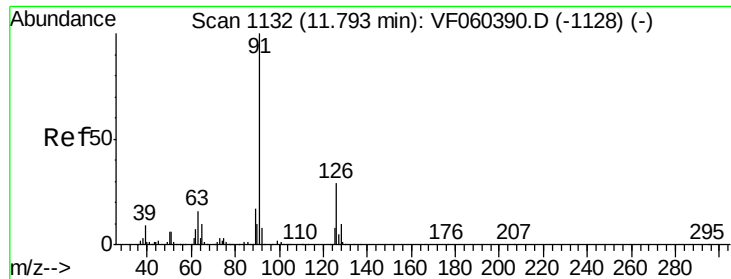
120 16.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

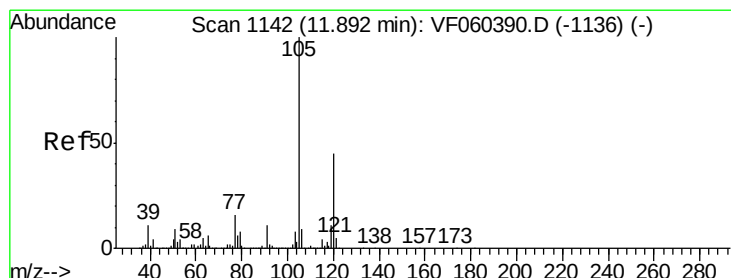
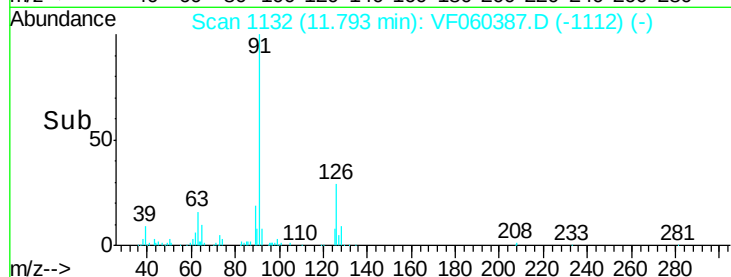
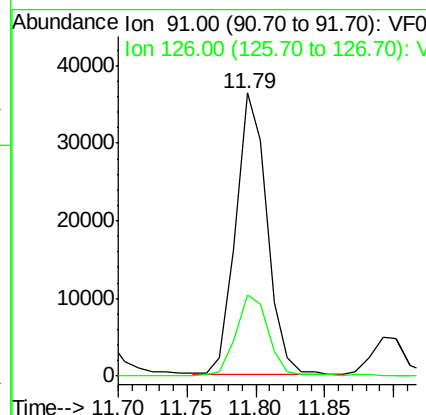
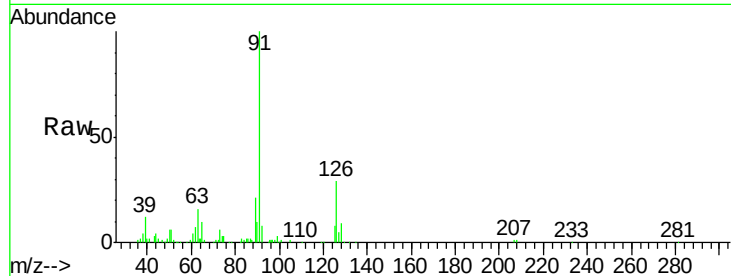




#79
 2-Chlorotoluene
 Concen: 4.642 ug/l
 RT: 11.79 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

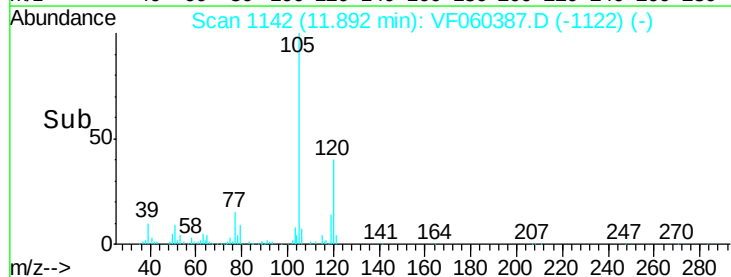
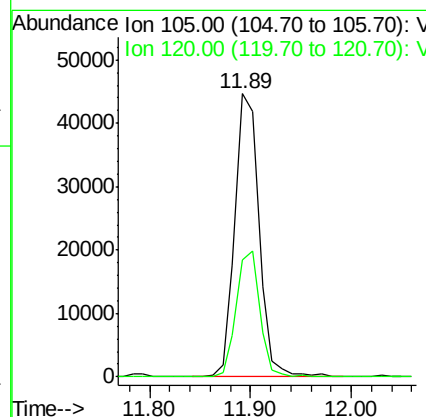
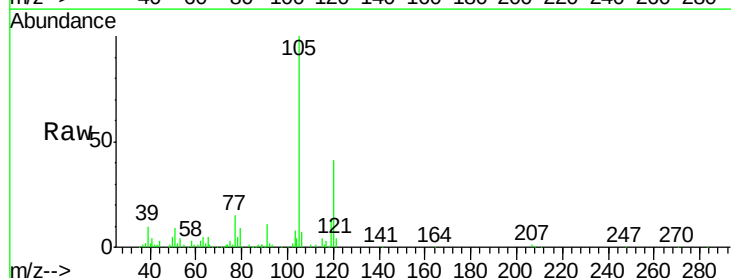
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

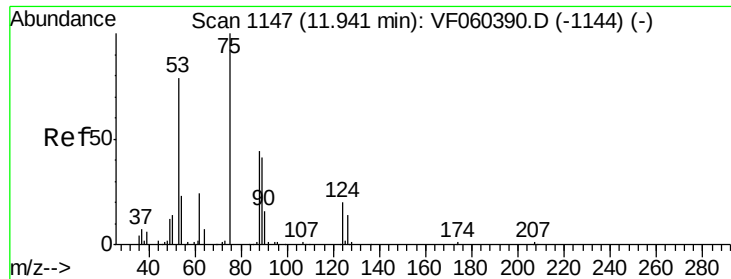
Tgt Ion: 91 Resp: 57408
 Ion Ratio Lower Upper
 91 100
 126 28.7 14.4 43.4



#80
 1,3,5-Trimethylbenzene
 Concen: 5.121 ug/l
 RT: 11.89 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion: 105 Resp: 74792
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 5.251 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

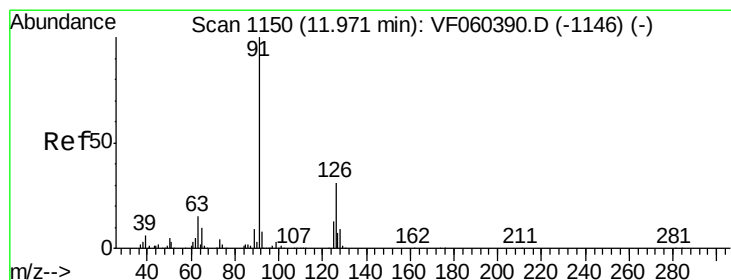
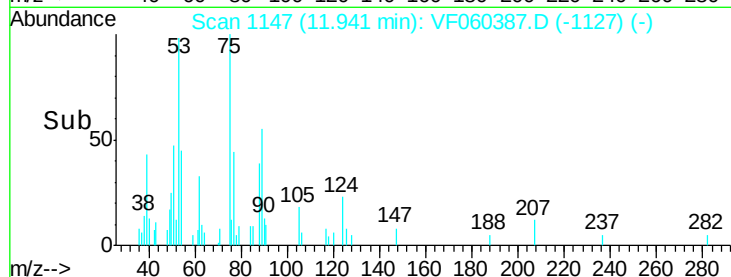
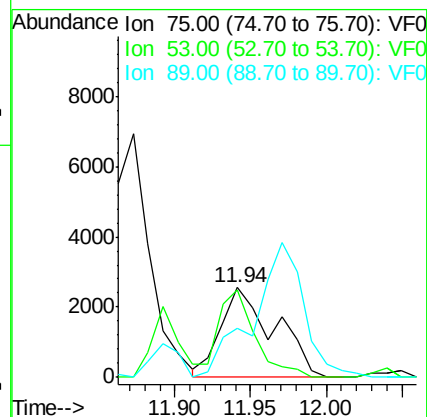
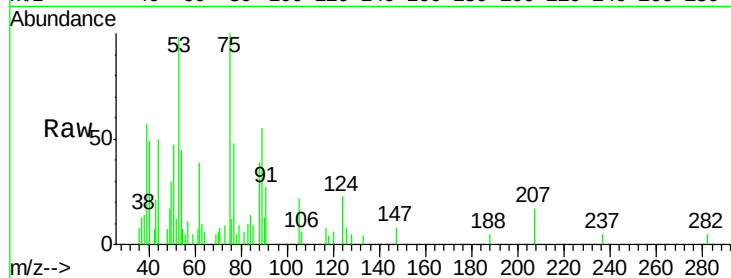
Tgt Ion: 75 Resp: 6354

Ion Ratio Lower Upper

75 100

53 98.0 67.8 101.8

89 54.8 36.7 55.1



#82

4-Chlorotoluene

Concen: 4.858 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF060387.D

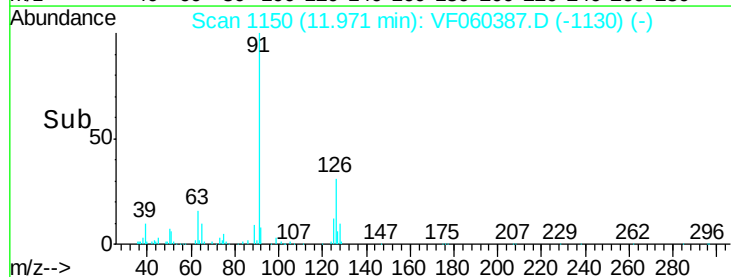
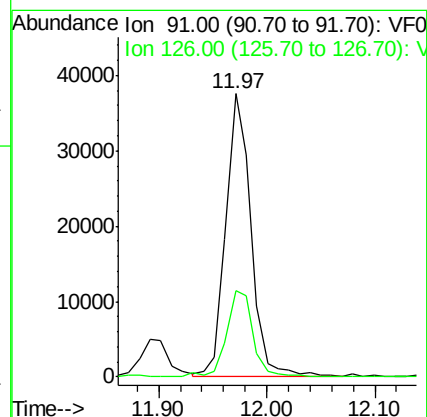
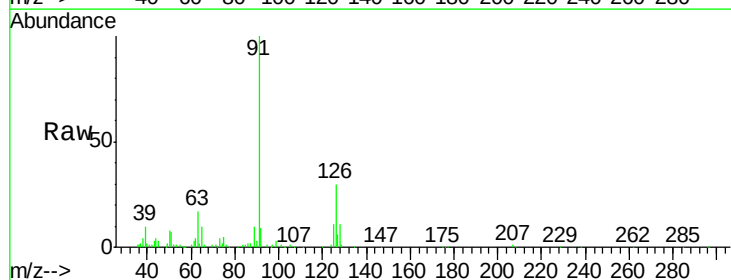
Acq: 1 Oct 2018 17:18

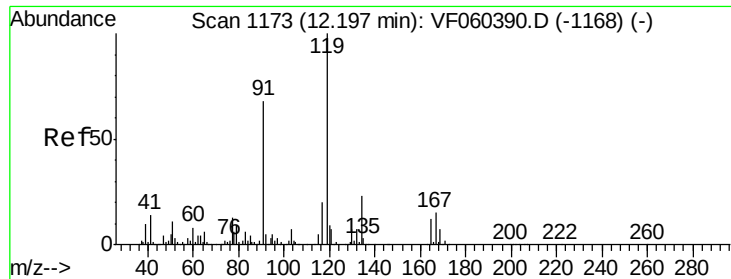
Tgt Ion: 91 Resp: 60099

Ion Ratio Lower Upper

91 100

126 30.3 15.7 47.0

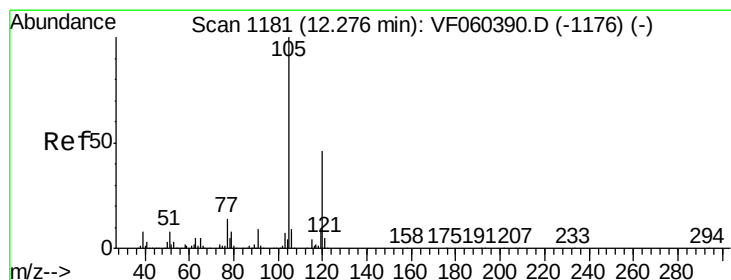
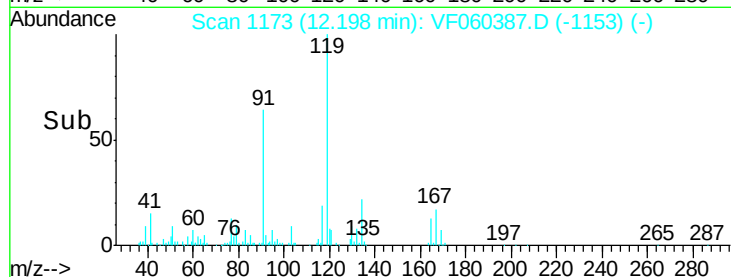
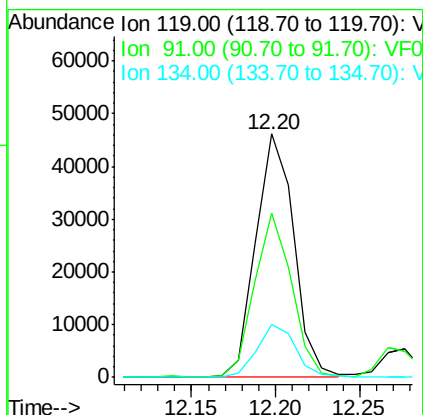
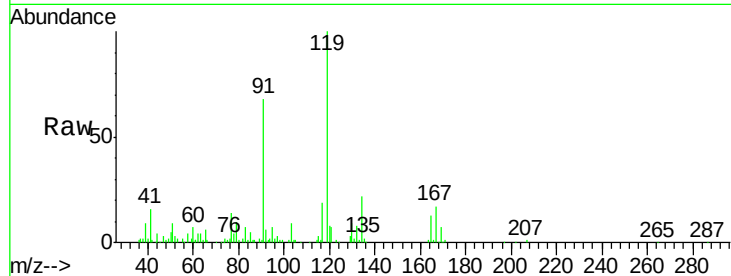




#83
 tert-Butylbenzene
 Concen: 4.875 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

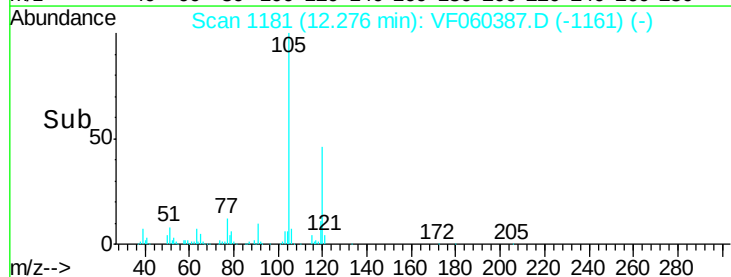
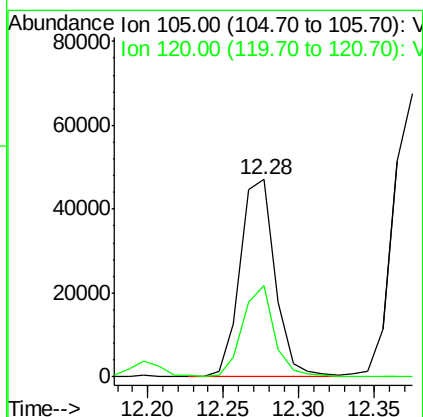
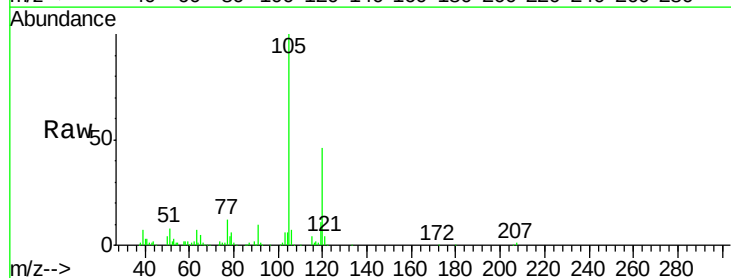
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

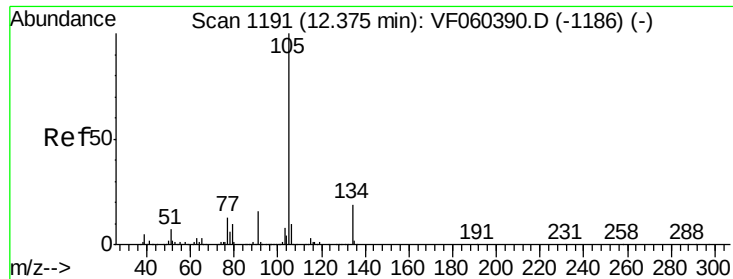
Tgt Ion:119 Resp: 72396
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.0 102.0
 134 21.6 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 5.059 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion:105 Resp: 75449
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 4.920 ug/l

RT: 12.38 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

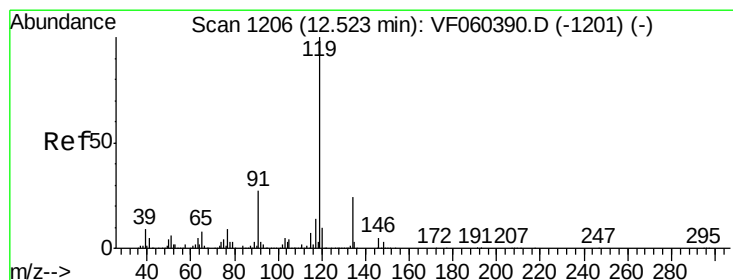
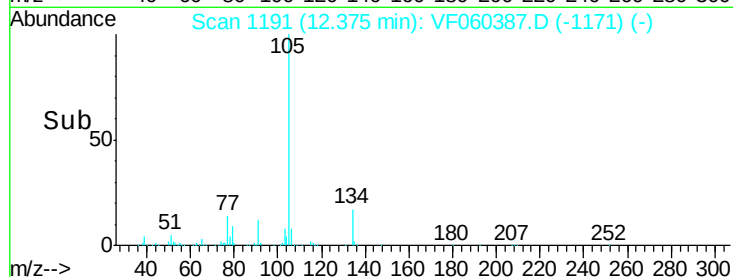
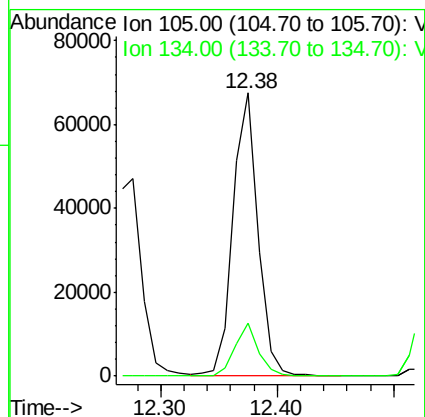
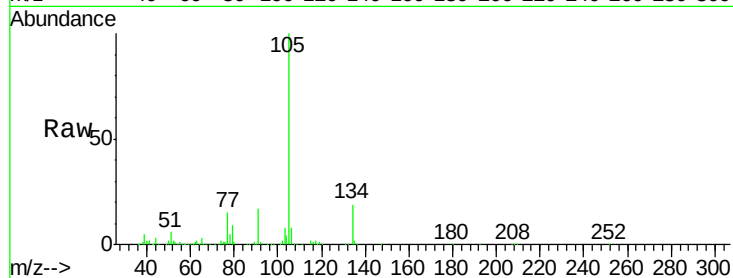
VSTDIC005

Tgt Ion:105 Resp: 100600

Ion Ratio Lower Upper

105 100

134 18.7 9.4 28.3



#86

p-Isopropyltoluene

Concen: 4.975 ug/l

RT: 12.52 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

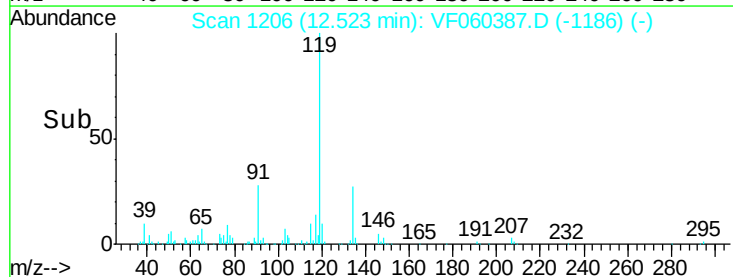
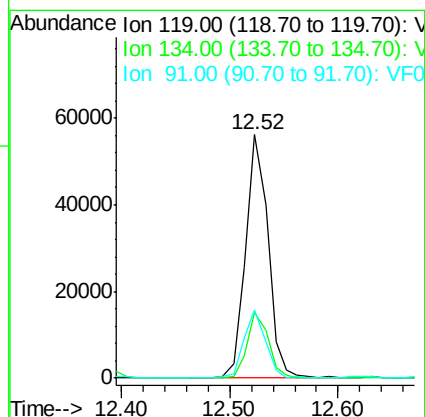
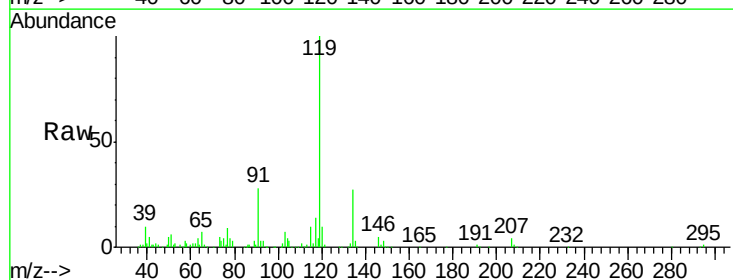
Tgt Ion:119 Resp: 80957

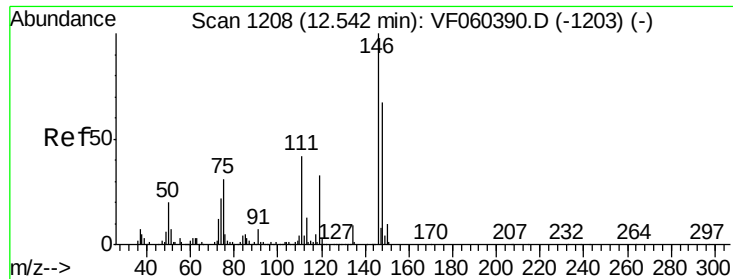
Ion Ratio Lower Upper

119 100

134 27.0 12.3 36.8

91 28.1 13.5 40.4

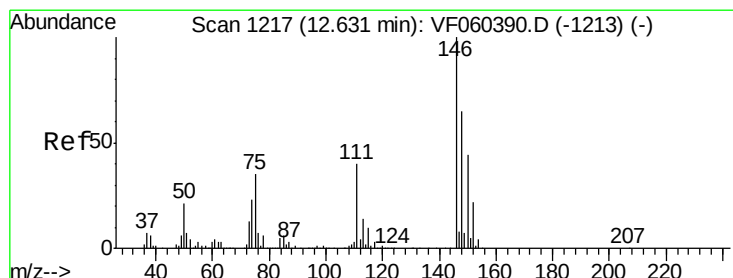
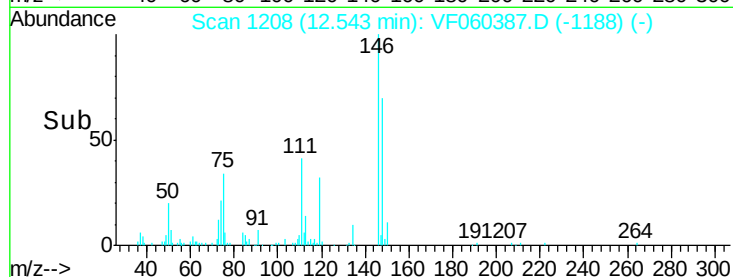
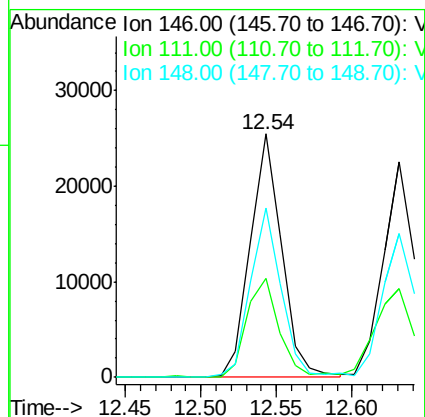
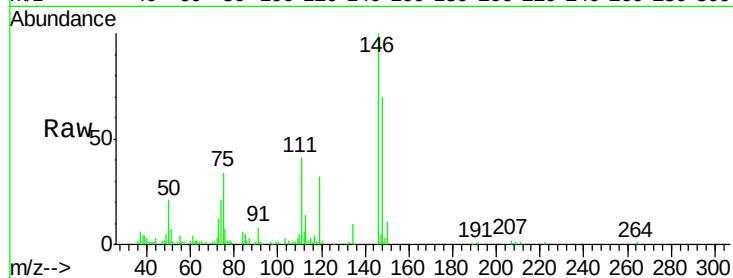




#87
 1,3-Dichlorobenzene
 Concen: 5.048 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

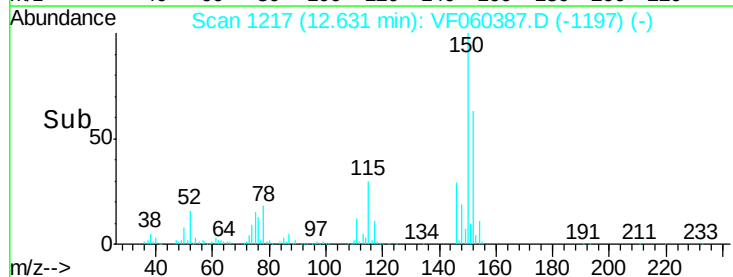
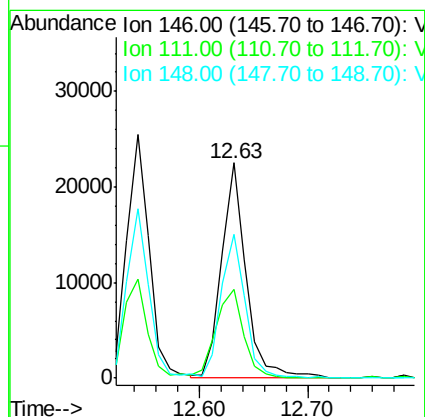
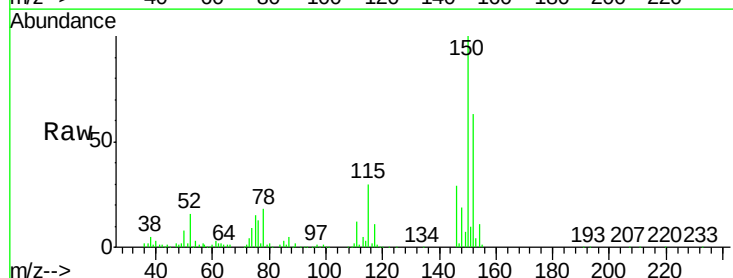
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

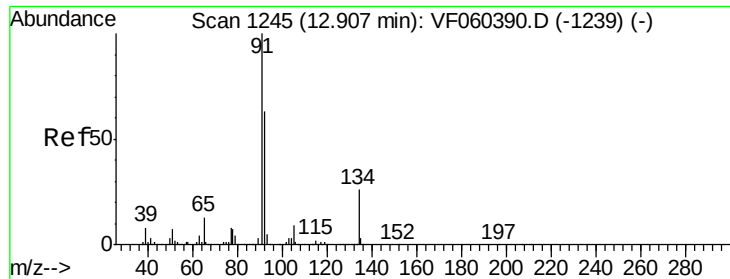
Tgt Ion:146 Resp: 36977
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.9 62.7
 148 69.6 33.6 100.8



#88
 1,4-Dichlorobenzene
 Concen: 4.930 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion:146 Resp: 35547
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.2 60.6
 148 66.5 32.6 97.8





#89

n-Butylbenzene

Concen: 5.342 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

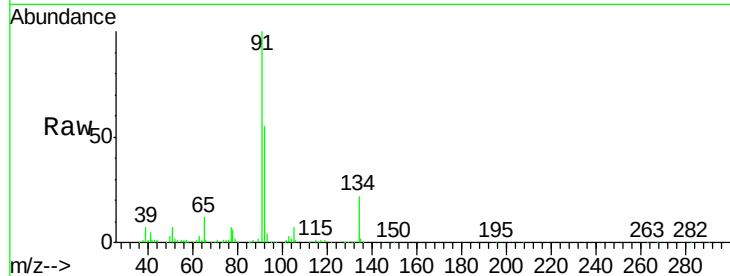
Tgt Ion: 91 Resp: 92583

Ion Ratio Lower Upper

91 100

92 54.6 31.3 93.9

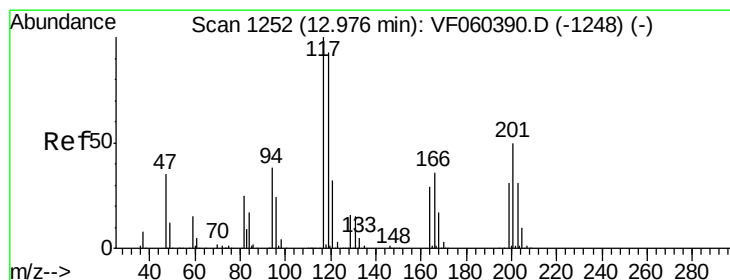
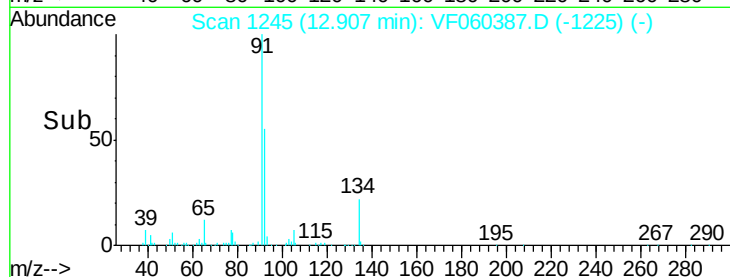
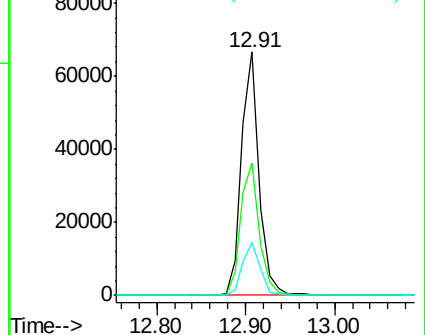
134 21.8 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.441 ug/l

RT: 12.98 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VF060387.D

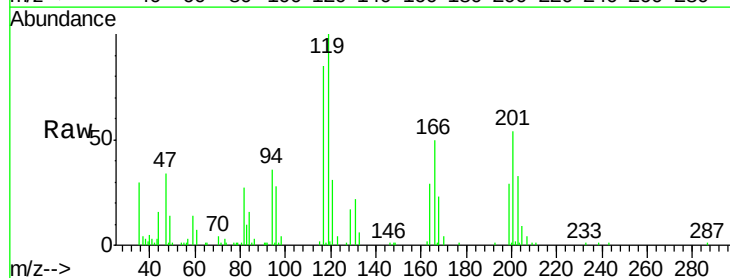
Acq: 1 Oct 2018 17:18

Tgt Ion: 117 Resp: 18562

Ion Ratio Lower Upper

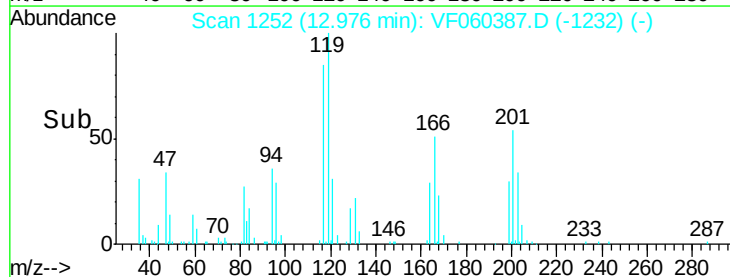
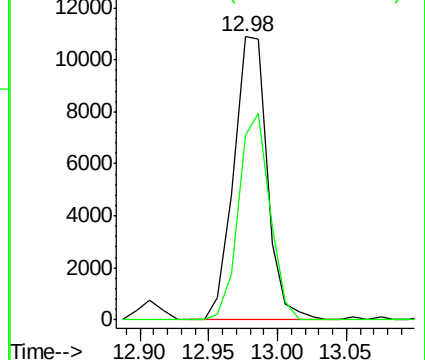
117 100

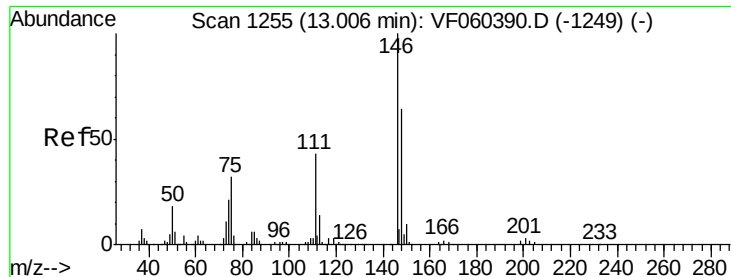
201 65.5 25.5 76.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

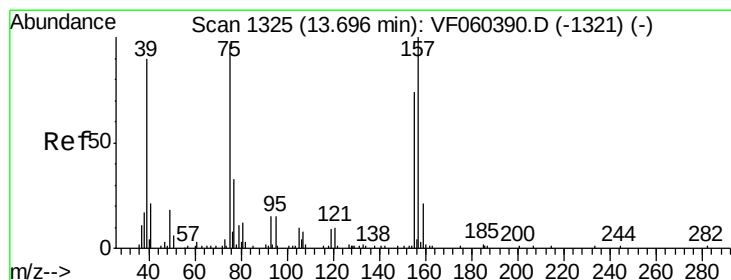
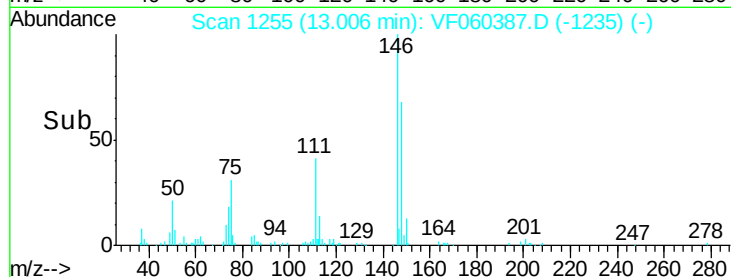
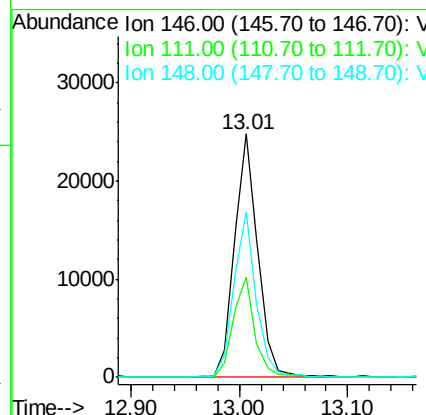
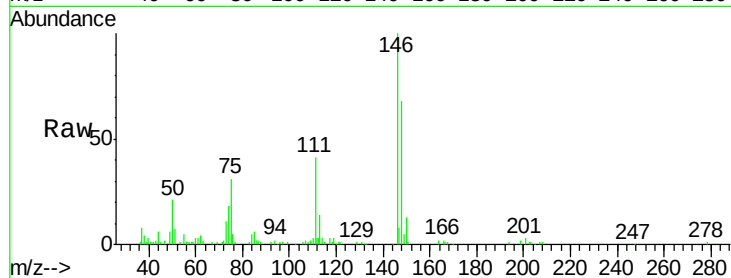




#91
 1,2-Dichlorobenzene
 Concen: 5.278 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

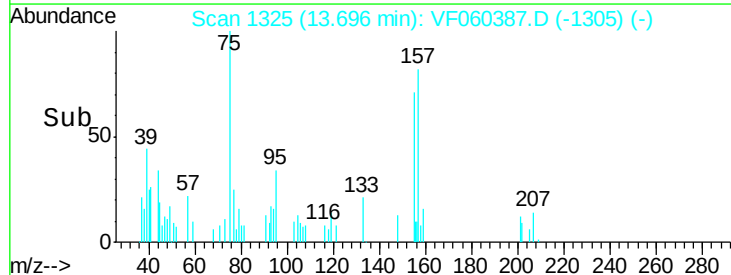
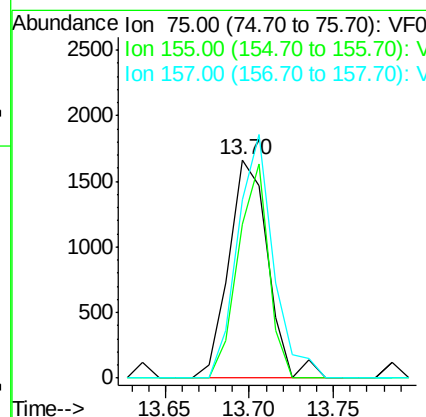
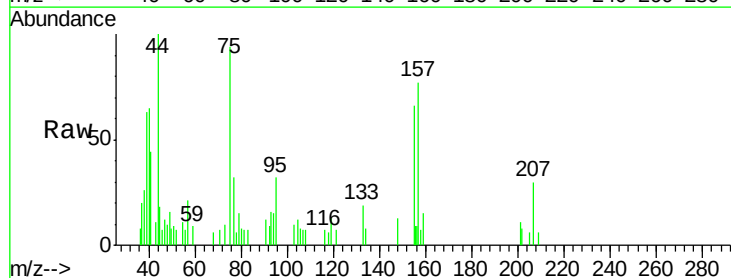
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

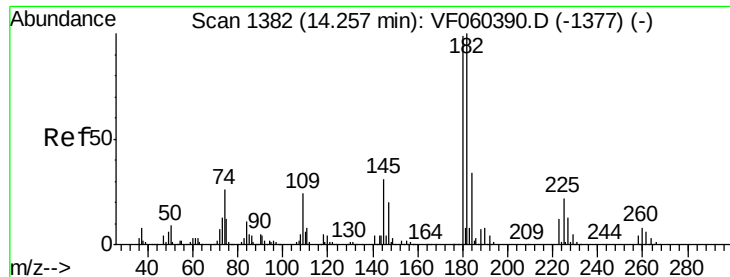
Tgt Ion:146 Resp: 37014
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.3 64.0
 148 67.8 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.448 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VF060387.D
 Acq: 1 Oct 2018 17:18

Tgt Ion: 75 Resp: 2700
 Ion Ratio Lower Upper
 75 100
 155 80.5 37.9 113.6
 157 81.9 51.3 154.0





#93

1,2,4-Trichlorobenzene

Concen: 5.484 ug/l

RT: 14.26 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

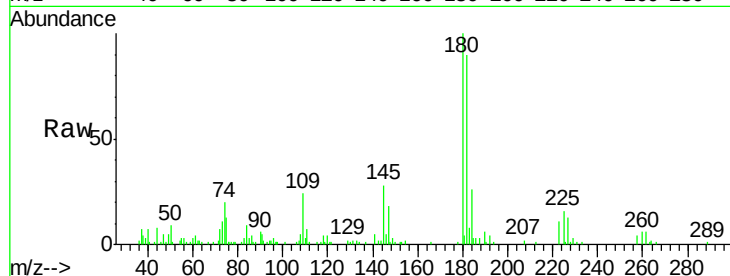
Tgt Ion:180 Resp: 28072

Ion Ratio Lower Upper

180 100

182 90.3 50.3 150.9

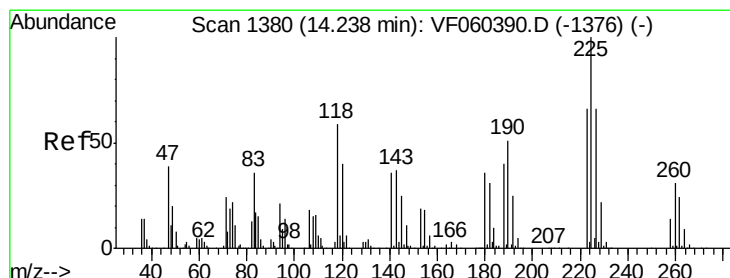
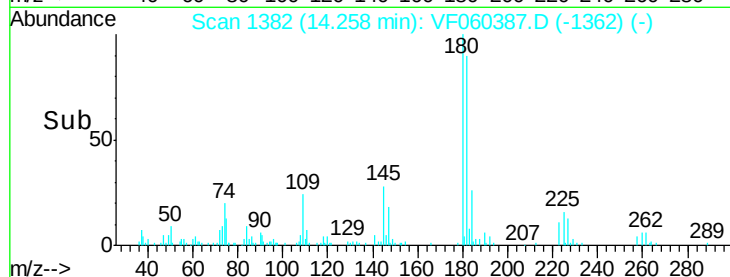
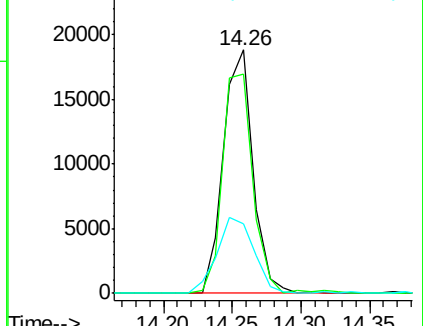
145 28.5 15.5 46.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 5.018 ug/l

RT: 14.24 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

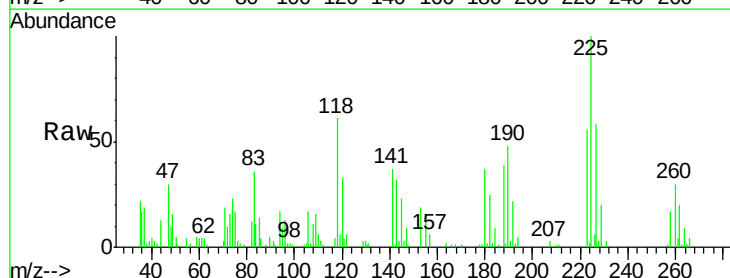
Tgt Ion:225 Resp: 17348

Ion Ratio Lower Upper

225 100

223 55.6 32.8 98.4

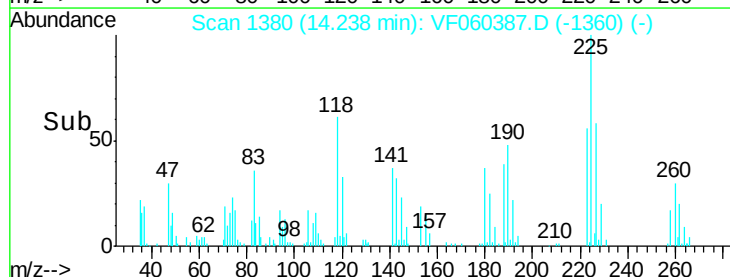
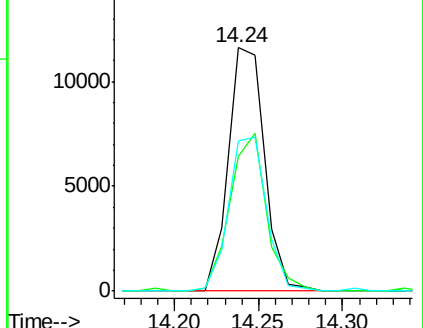
227 61.6 33.0 99.0

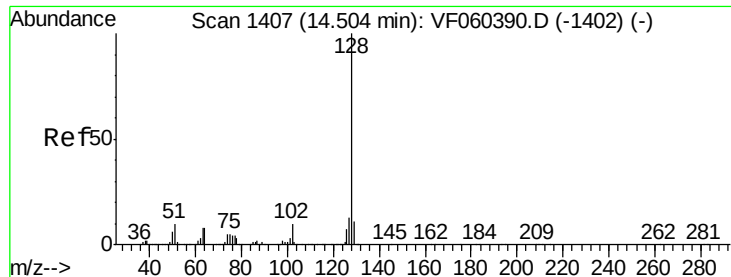


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 5.136 ug/l

RT: 14.50 min Scan# 1407

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

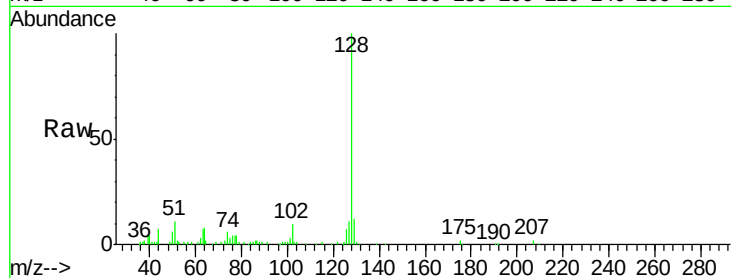
Tgt Ion:128 Resp: 46436

Ion Ratio Lower Upper

128 100

127 11.5 10.0 15.0

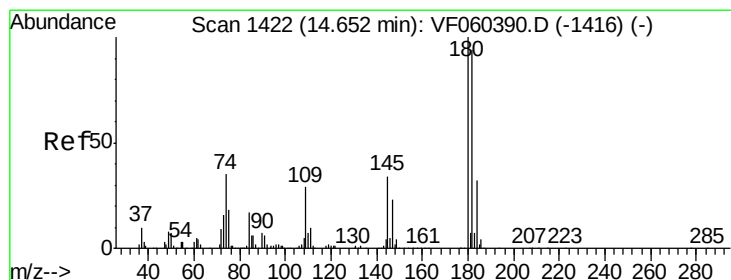
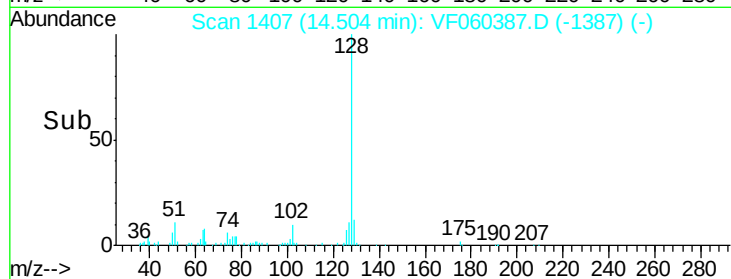
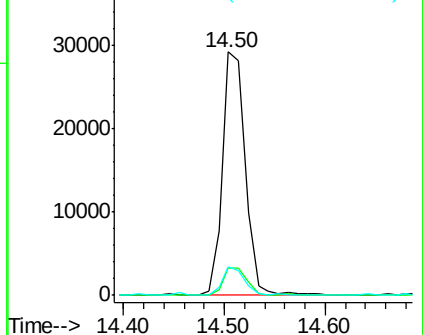
129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.791 ug/l

RT: 14.65 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VF060387.D

Acq: 1 Oct 2018 17:18

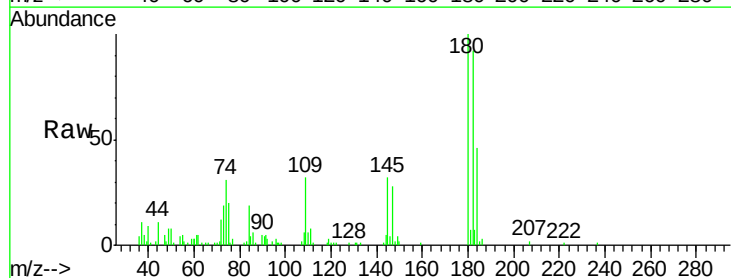
Tgt Ion:180 Resp: 22618

Ion Ratio Lower Upper

180 100

182 92.0 46.8 140.3

145 31.7 16.9 50.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

