

Data File : VF059265.D
Acq On : 21 Jun 2018 16:45
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Quant Time: Jun 22 04:55:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 04:54:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	385680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	378577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	231102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	72539	24.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.74%	
35) Dibromofluoromethane	4.30	113	68405	25.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.08%	
50) Toluene-d8	7.71	98	165152	21.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.08%	
62) 4-Bromofluorobenzene	11.51	95	92656	22.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	54451	19.958	ug/l	92
3) Chloromethane	1.08	50	33381	16.412	ug/l	95
4) Vinyl Chloride	1.14	62	32813	17.547	ug/l	99
5) Bromomethane	1.34	94	23439	20.954	ug/l	90
6) Chloroethane	1.43	64	17261	21.724	ug/l	100
7) Trichlorofluoromethane	1.49	101	20274	6.689	ug/l	92
8) Diethyl Ether	1.70	74	13568	18.443	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39425	21.065	ug/l	94
10) Methyl Iodide	1.97	142	64279	19.548	ug/l	95
11) Tert butyl alcohol	2.69	59	20266	108.026	ug/l #	84
12) 1,1-Dichloroethene	1.86	96	32580	20.778	ug/l	88
13) Acrolein	2.09	56	17256	105.724	ug/l	88
14) Allyl chloride	2.19	41	64704	20.964	ug/l	96
15) Acrylonitrile	3.07	53	37207	103.327	ug/l	92
16) Acetone	2.34	43	80926	114.030	ug/l #	93
17) Carbon Disulfide	1.87	76	73492	17.044	ug/l	100
18) Methyl Acetate	2.45	43	26821	21.607	ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	115146	22.923	ug/l	99
20) Methylene Chloride	2.27	84	15651	9.388	ug/l #	90
21) trans-1,2-Dichloroethene	2.41	96	31742	18.228	ug/l	84
22) Diisopropyl ether	2.94	45	129475	20.961	ug/l #	95
23) Vinyl Acetate	3.33	43	446306	110.787	ug/l	98
24) 1,1-Dichloroethane	3.00	63	85134	22.624	ug/l	98
25) 2-Butanone	4.51	43	109542	100.993	ug/l	100
26) 2,2-Dichloropropane	3.76	77	60425	22.243	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	54374	20.412	ug/l	94
28) Bromochloromethane	3.89	49	42888	25.756	ug/l	86
29) Tetrahydrofuran	4.28	42	52176	110.251	ug/l	98
30) Chloroform	4.04	83	120514	22.457	ug/l	99
31) Cyclohexane	3.86	56	56993	17.959	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	99633	24.718	ug/l	93
36) 1,1-Dichloropropene	4.45	75	73994	19.728	ug/l	97
37) Ethyl Acetate	4.28	43	56872	24.289	ug/l	100
38) Carbon Tetrachloride	4.17	117	98292	23.623	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	66356	17.865	ug/l	99
40) Benzene	4.81	78	165166	19.162	ug/l	99
41) Methacrylonitrile	4.92	41	23875	20.770	ug/l	96
42) 1,2-Dichloroethane	5.11	62	92865	22.794	ug/l	100
43) Isopropyl Acetate	7.11	43	58014	18.441	ug/l #	93
44) Trichloroethene	5.68	130	55583	20.096	ug/l	83
45) 1,2-Dichloropropane	6.39	63	45913	18.403	ug/l	100
46) Dibromomethane	6.26	93	40129	21.097	ug/l	98
47) Bromodichloromethane	6.55	83	100234	22.830	ug/l	98
48) Methyl methacrylate	6.88	41	37812	19.626	ug/l	89
49) 1,4-Dioxane	6.88	88	3895	305.214	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	215100	99.589	ug/l	95
52) Toluene	7.77	92	124956	19.948	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	90018	21.013	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	95432	19.837	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	47463	20.570	ug/l	93
56) Ethyl methacrylate	8.76	69	53696	18.468	ug/l	99
57) 1,3-Dichloropropane	9.00	76	80032	20.430	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	22965	109.431	ug/l	100
59) 2-Hexanone	9.63	43	175749	102.816	ug/l	99
60) Dibromochloromethane	8.86	129	69345	20.687	ug/l	90
61) 1,2-Dibromoethane	9.14	107	57771	21.508	ug/l	99
64) Tetrachloroethene	8.31	164	54665	19.548	ug/l	90
65) Chlorobenzene	9.94	112	159414	20.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	67005	22.061	ug/l	93
67) Ethyl Benzene	10.04	91	270010	20.645	ug/l	98
68) m/p-Xylenes	10.27	106	194549	39.186	ug/l	92
69) o-Xylene	10.83	106	104054	19.484	ug/l	96
70) Styrene	10.90	104	168776	21.009	ug/l	99
71) Bromoform	10.89	173	48331	23.117	ug/l	94
73) Isopropylbenzene	11.23	105	315606	19.741	ug/l	99
74) N-amyl acetate	11.46	43	106563	18.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	77148	20.351	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	55852	19.904	ug/l	98
77) Bromobenzene	11.60	156	86296	21.170	ug/l	94
78) n-propylbenzene	11.69	91	385117	20.340	ug/l	99
79) 2-Chlorotoluene	11.82	91	233157	20.766	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	280853	21.111	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34645	18.959	ug/l #	93
82) 4-Chlorotoluene	11.99	91	246854	20.628	ug/l	100
83) tert-Butylbenzene	12.21	119	284035	21.400	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	301567	22.009	ug/l	98
85) sec-Butylbenzene	12.39	105	381262	21.324	ug/l	98
86) p-Isopropyltoluene	12.54	119	313002	21.256	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	157710	21.024	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	154376	21.332	ug/l	99
89) n-Butylbenzene	12.92	91	336818	22.000	ug/l	97
90) Hexachloroethane	13.00	117	77479	21.413	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	161009	22.304	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15957	21.114	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062118\
Quantitation Report (Not Reviewed)

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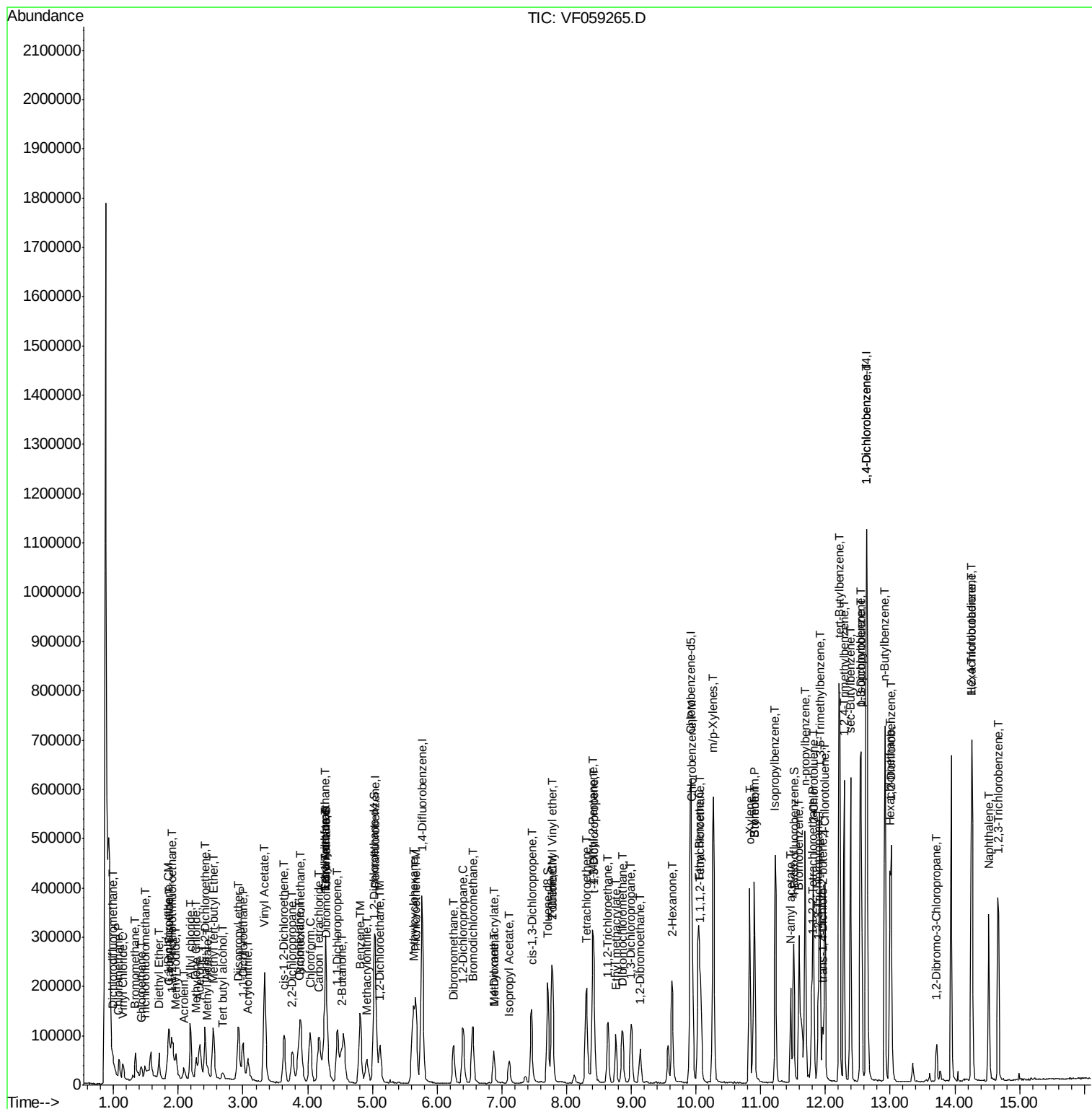
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	118273	23.016	ug/l	98
94) Hexachlorobutadiene	14.26	225	67120	22.637	ug/l	99
95) Naphthalene	14.53	128	240695	21.911	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	112300	23.624	ug/l	97

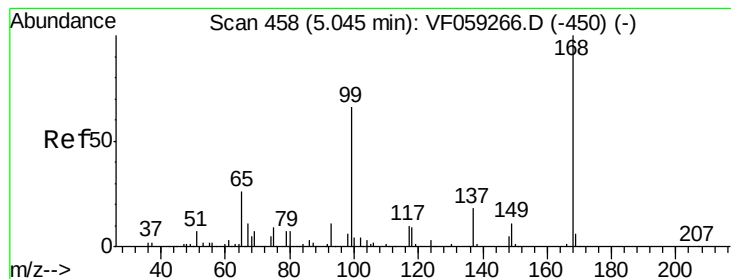
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

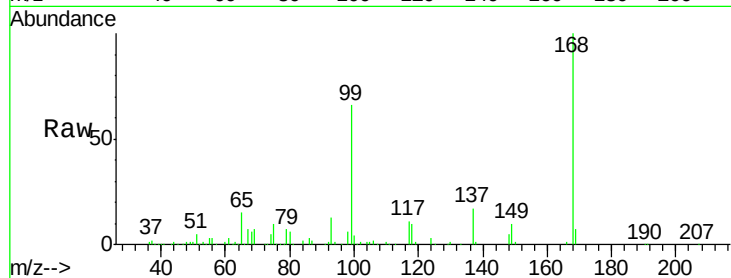
VSTDIC020

Tgt Ion:168 Resp: 240243

Ion Ratio Lower Upper

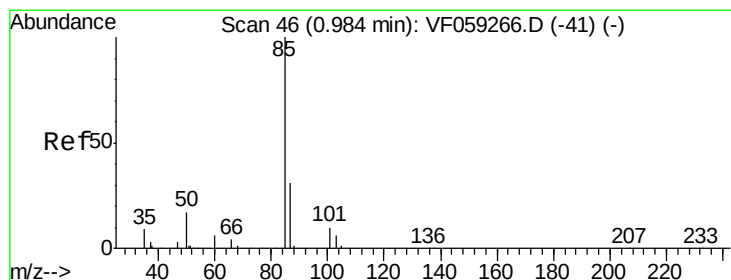
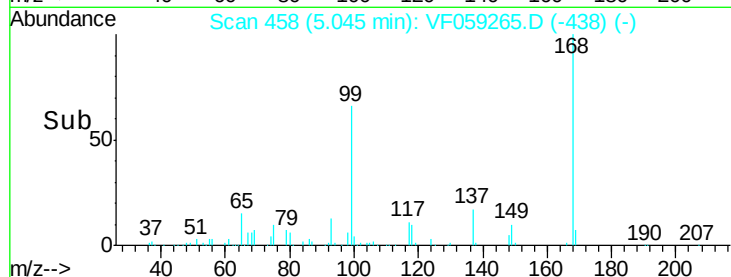
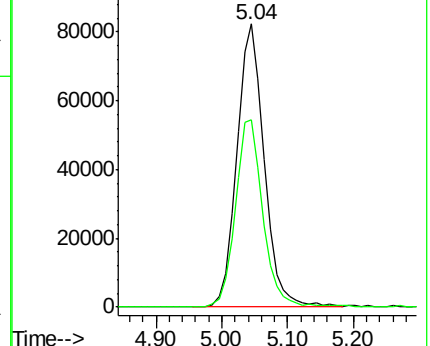
168 100

99 66.3 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.958 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059265.D

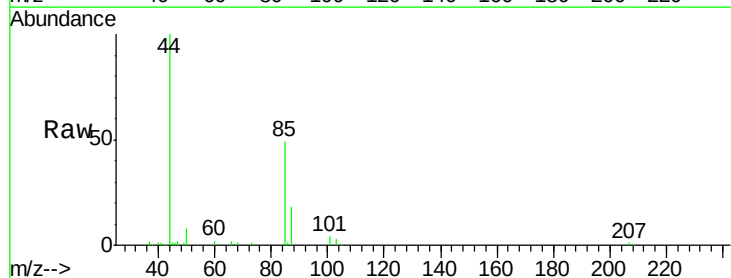
Acq: 21 Jun 2018 16:45

Tgt Ion: 85 Resp: 54451

Ion Ratio Lower Upper

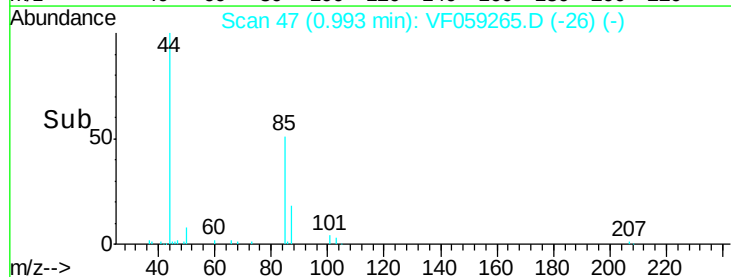
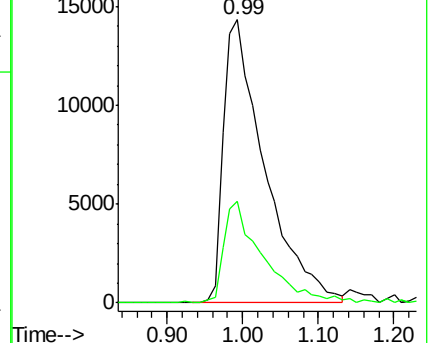
85 100

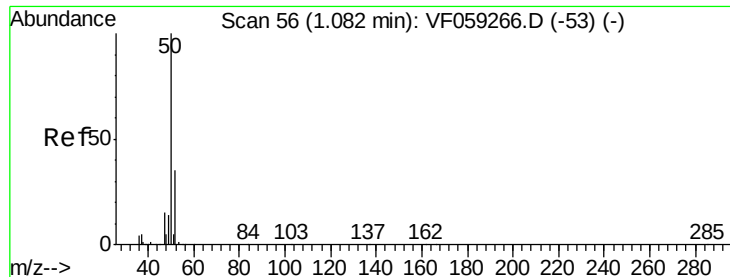
87 35.8 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 16.412 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

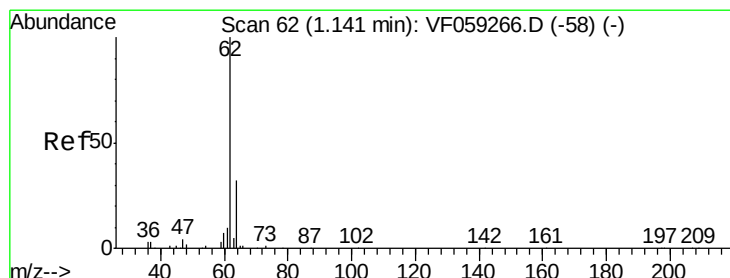
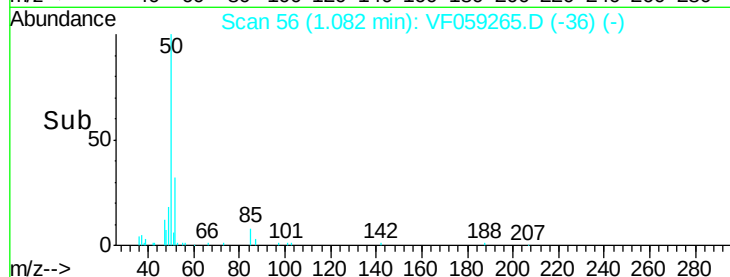
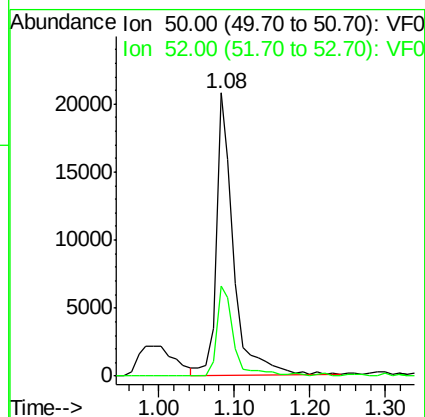
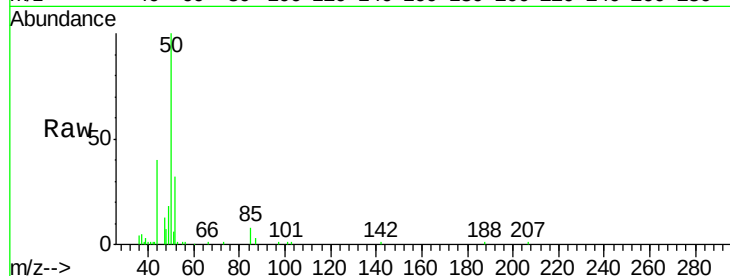
VSTDIC020

Tgt Ion: 50 Resp: 33381

Ion Ratio Lower Upper

50 100

52 31.9 27.7 41.5



#4

Vinyl Chloride

Concen: 17.547 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059265.D

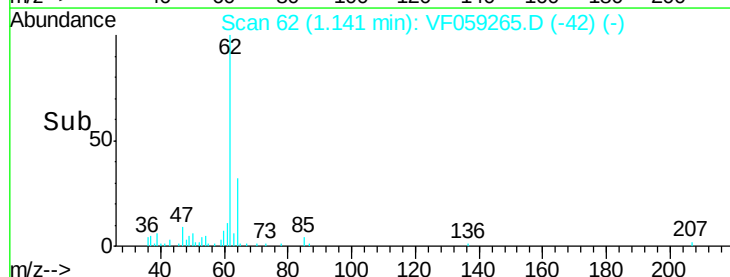
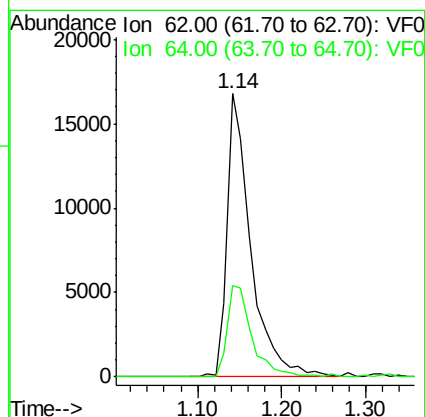
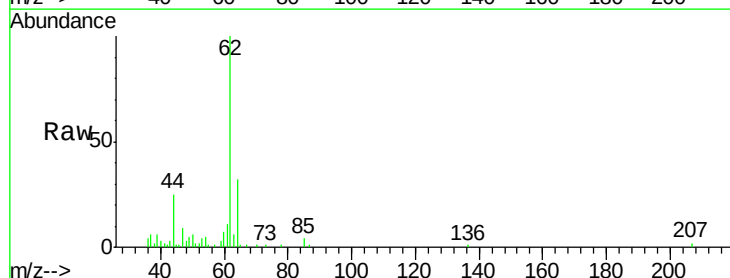
Acq: 21 Jun 2018 16:45

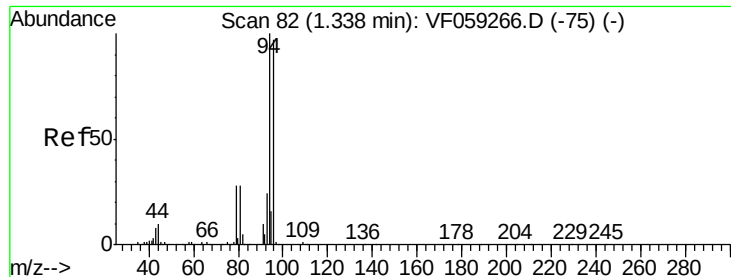
Tgt Ion: 62 Resp: 32813

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 20.954 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

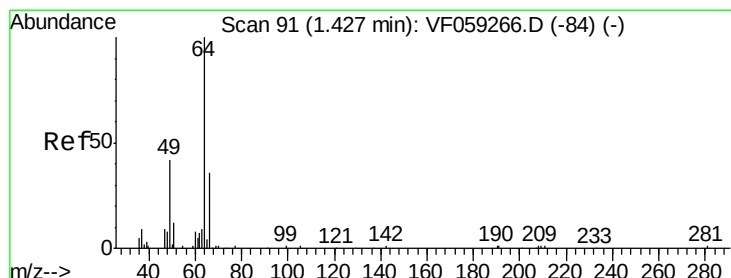
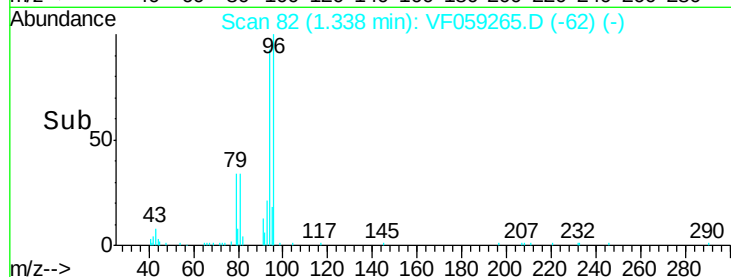
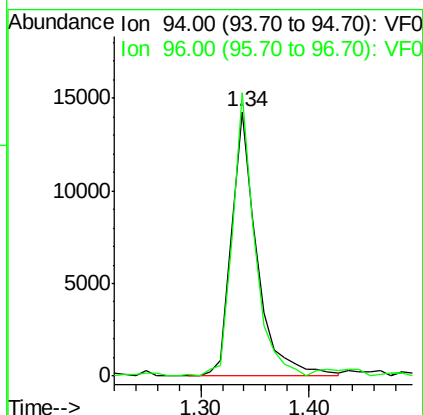
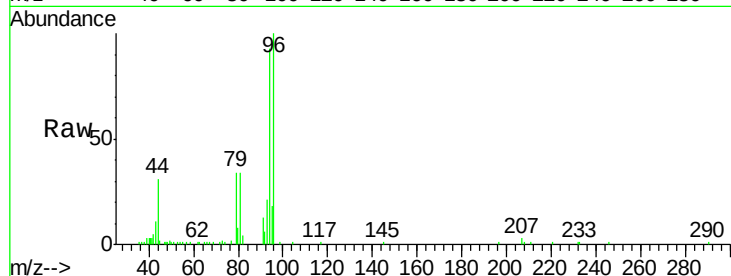
VSTDIC020

Tgt Ion: 94 Resp: 23439

Ion Ratio Lower Upper

94 100

96 107.0 77.7 116.5



#6

Chloroethane

Concen: 21.724 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059265.D

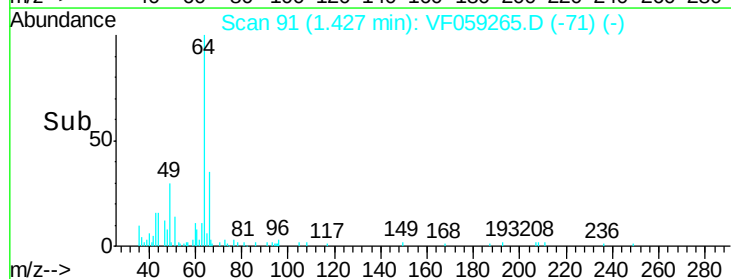
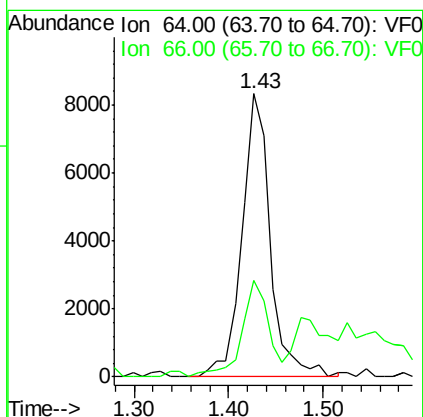
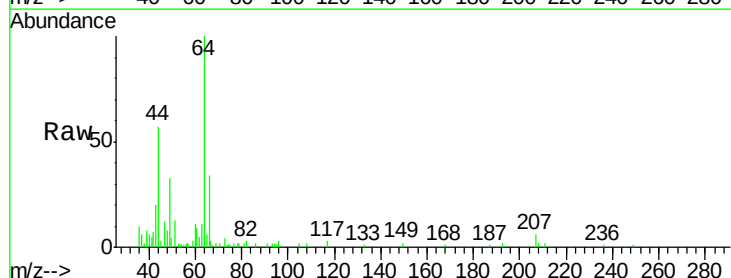
Acq: 21 Jun 2018 16:45

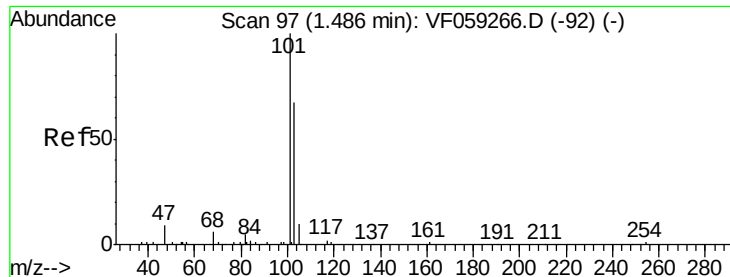
Tgt Ion: 64 Resp: 17261

Ion Ratio Lower Upper

64 100

66 36.8 29.4 44.2



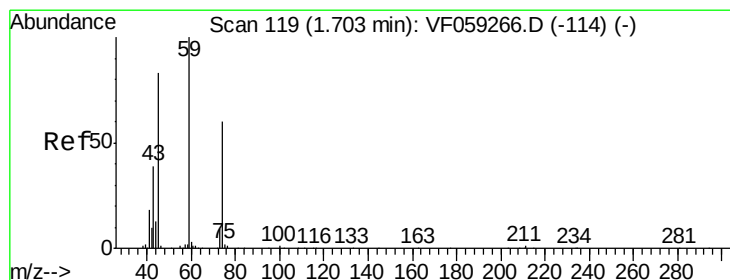
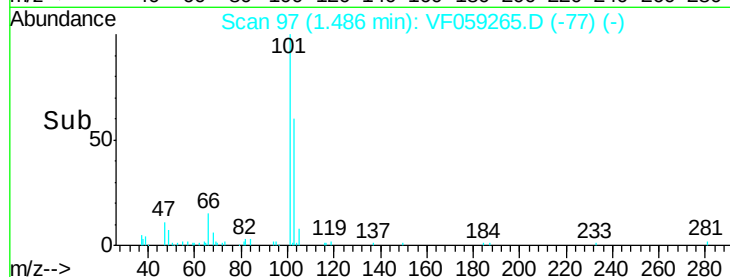
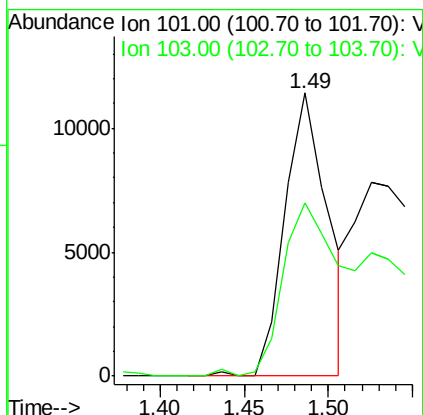
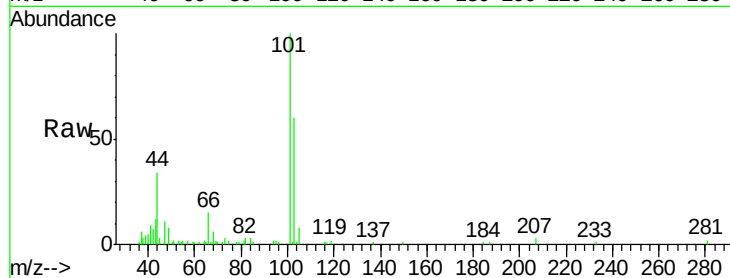


#7

Trichlorofluoromethane
Concen: 6.689 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
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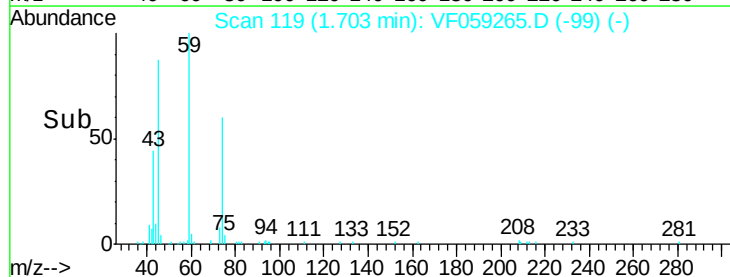
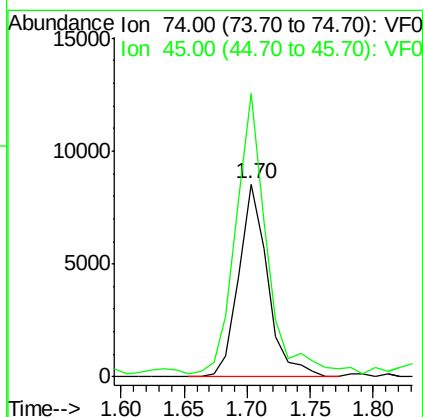
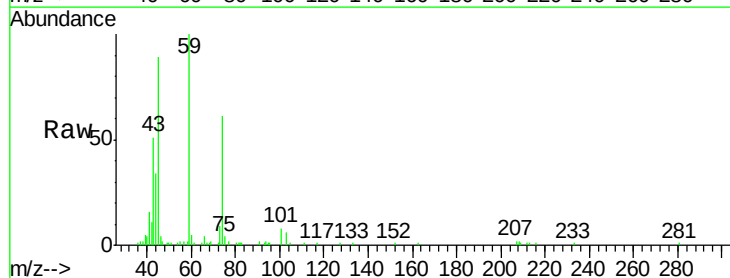
Tgt Ion: 101 Resp: 20274
Ion Ratio Lower Upper
101 100
103 61.1 53.8 80.8

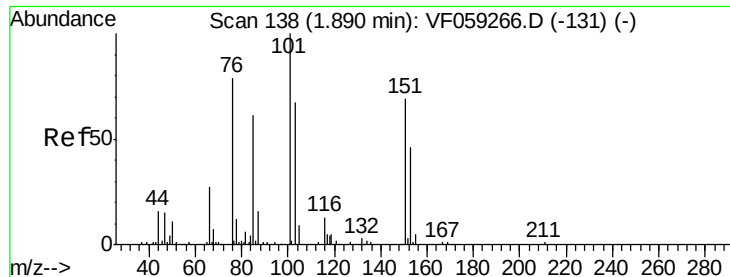


#8

Diethyl Ether
Concen: 18.443 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 74 Resp: 13568
Ion Ratio Lower Upper
74 100
45 146.6 69.2 207.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.065 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

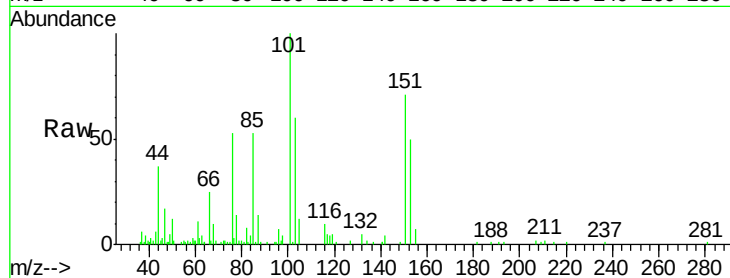
Tgt Ion:101 Resp: 39425

Ion Ratio Lower Upper

101 100

85 53.2 47.2 70.8

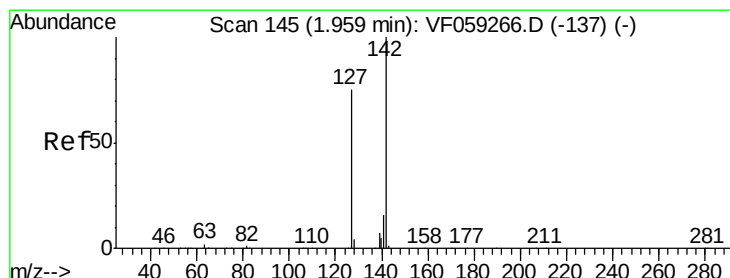
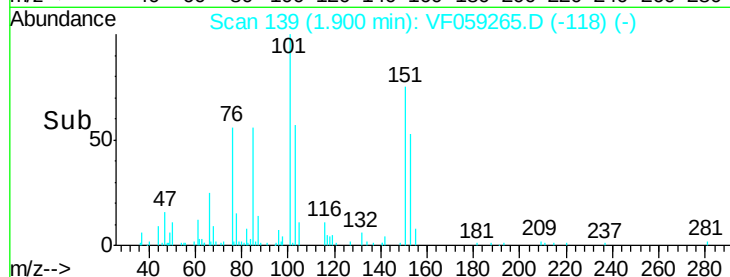
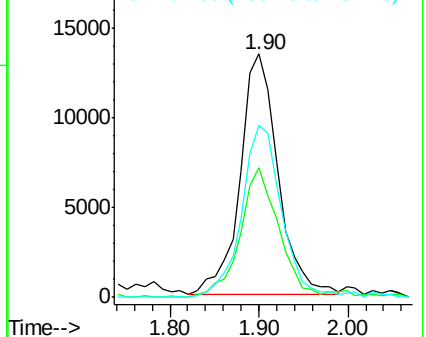
151 70.8 53.3 79.9



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: 19.548 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

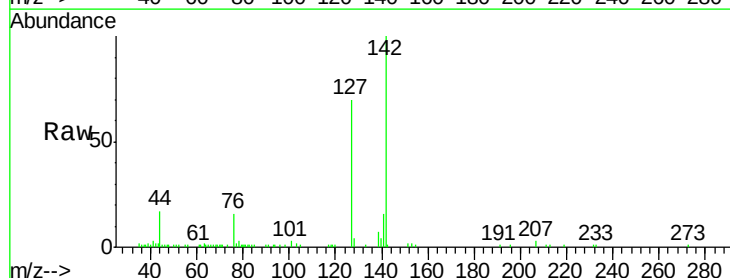
Tgt Ion:142 Resp: 64279

Ion Ratio Lower Upper

142 100

127 69.4 59.9 89.9

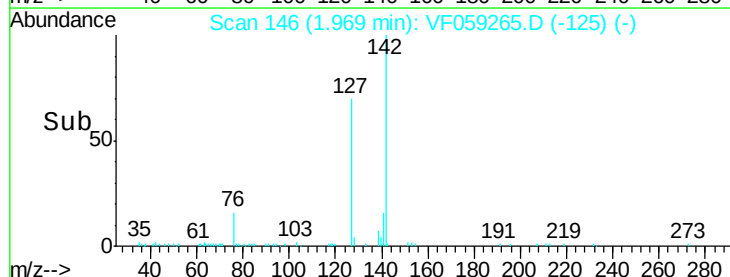
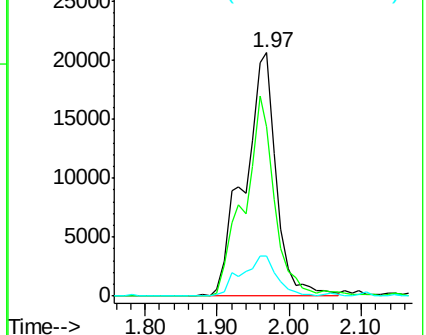
141 16.3 12.7 19.1

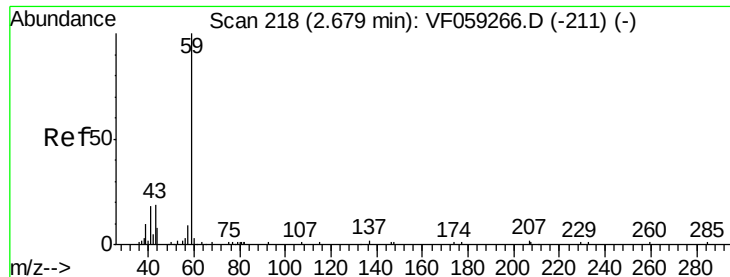


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

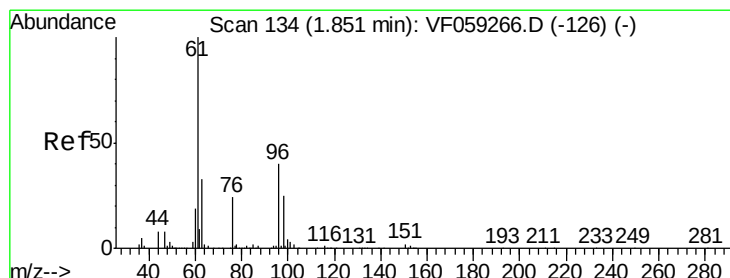
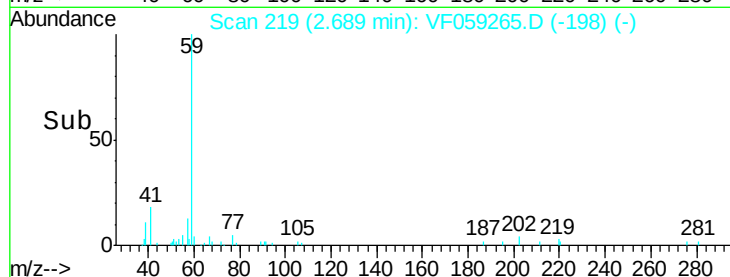
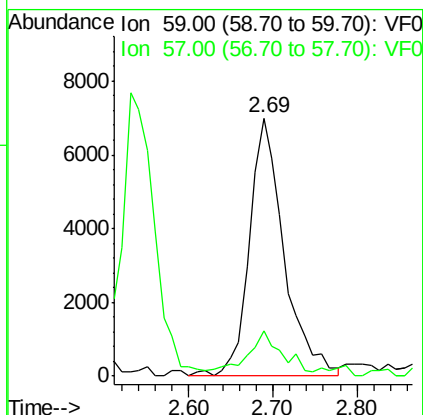
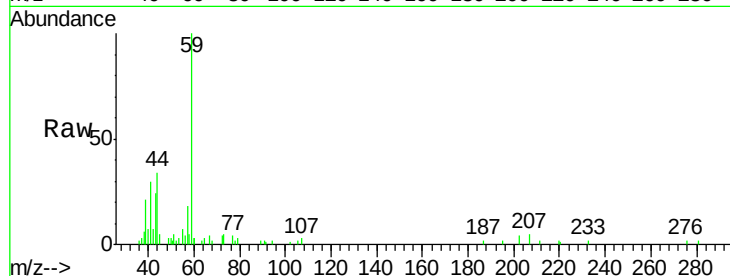




#11
Tert butyl alcohol
Concen: 108.026 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

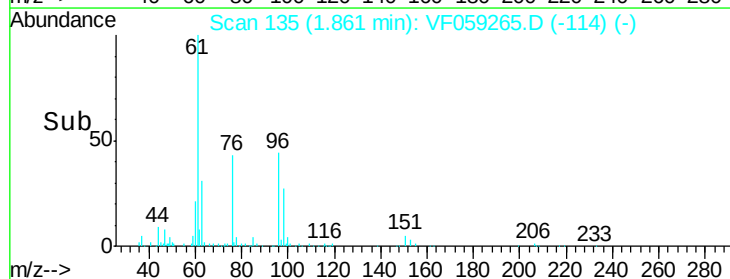
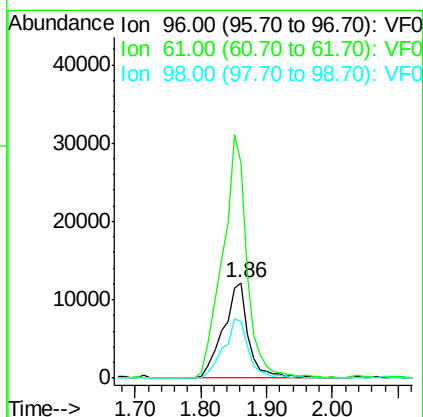
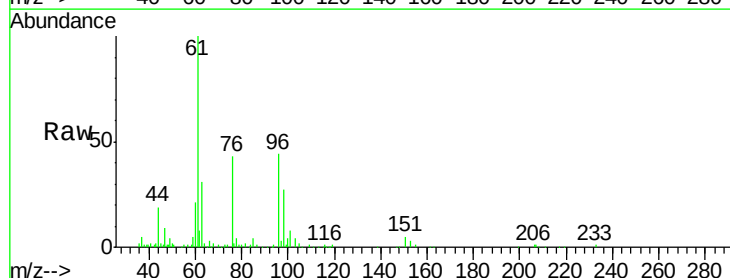
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

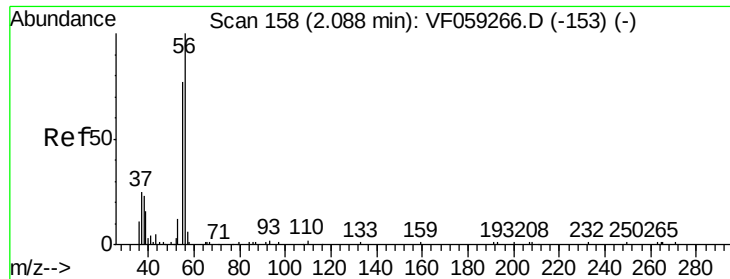
Tgt Ion: 59 Resp: 20266
Ion Ratio Lower Upper
59 100
57 17.8 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 20.778 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 96 Resp: 32580
Ion Ratio Lower Upper
96 100
61 226.1 201.4 302.2
98 60.2 50.0 75.0

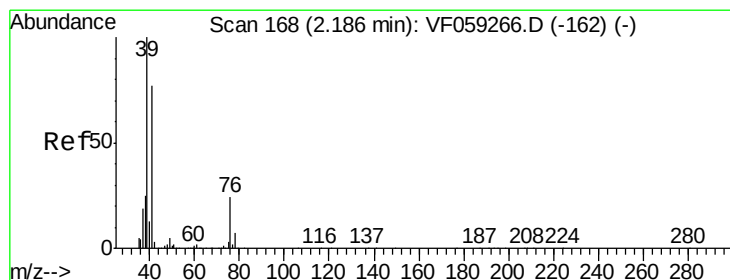
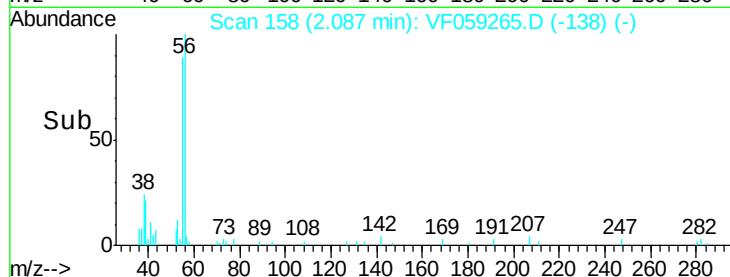
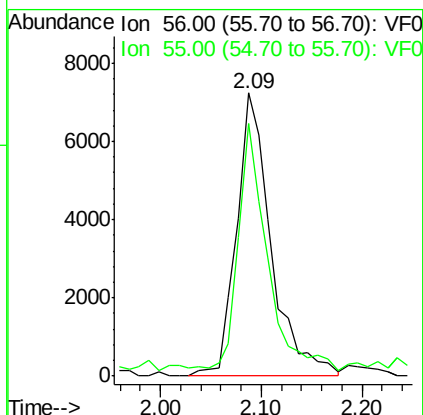
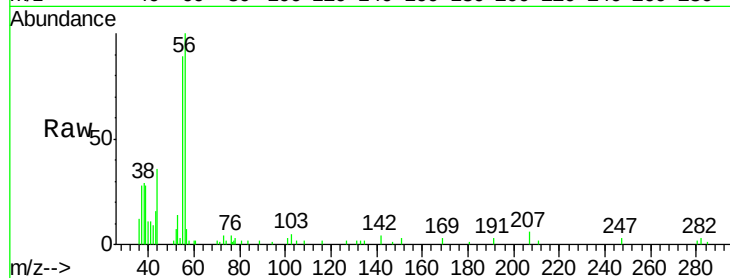




#13
Acrolein
Concen: 105.724 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

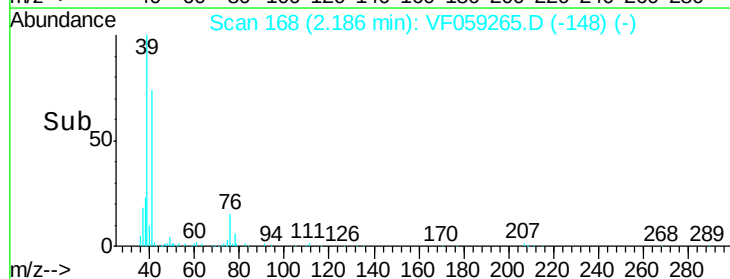
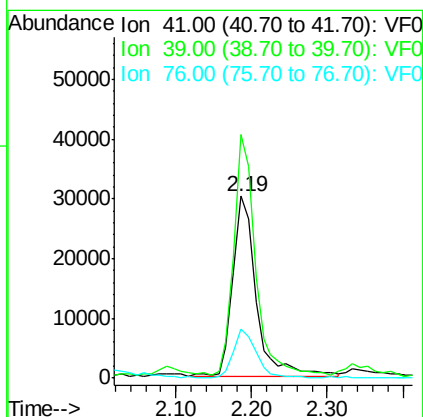
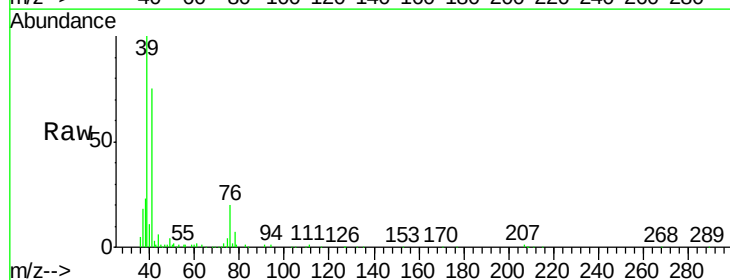
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

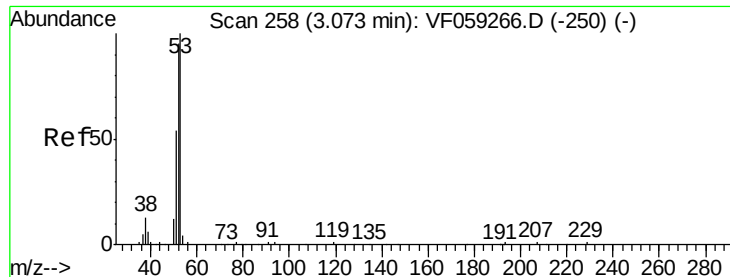
Tgt Ion: 56 Resp: 17256
Ion Ratio Lower Upper
56 100
55 89.5 63.0 94.6



#14
Allyl chloride
Concen: 20.964 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 41 Resp: 64704
Ion Ratio Lower Upper
41 100
39 133.8 103.8 155.6
76 27.0 25.0 37.6





#15

Acrylonitrile

Concen: 103.327 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

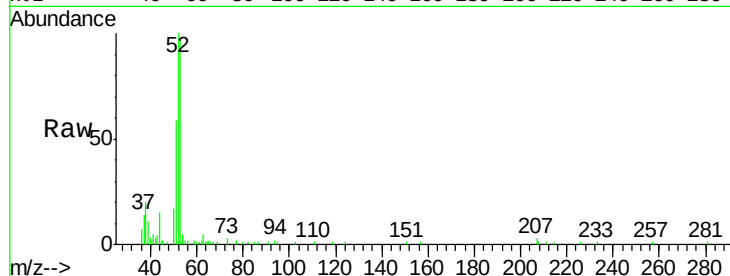
MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 53 Resp: 37207

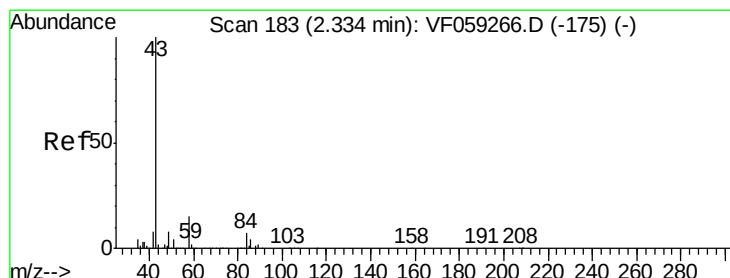
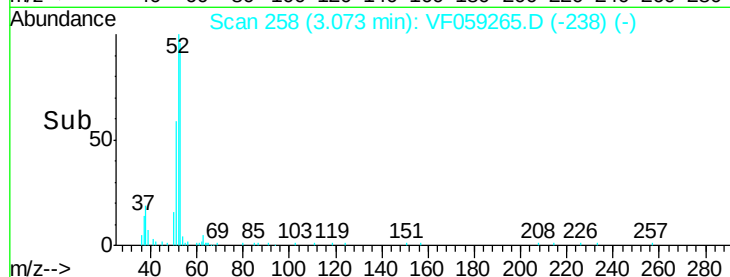
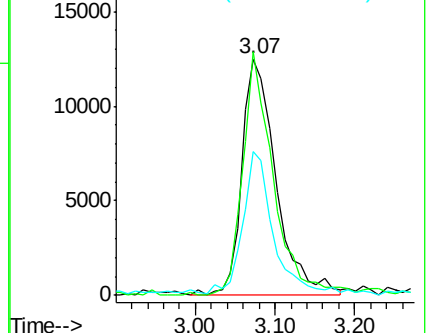
Ion	Ratio	Lower	Upper
53	100		
52	103.0	75.7	113.5
51	60.8	44.5	66.7



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 114.030 ug/l

RT: 2.34 min Scan# 184

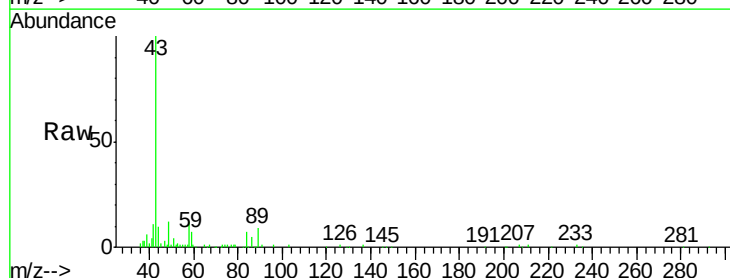
Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

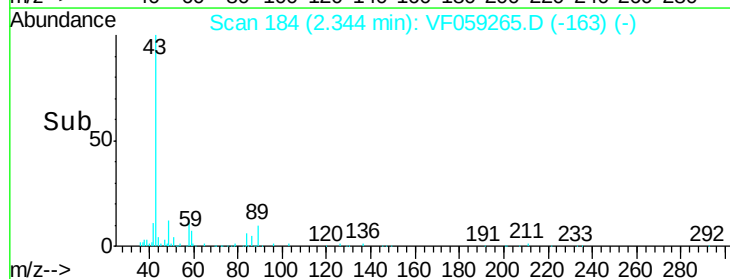
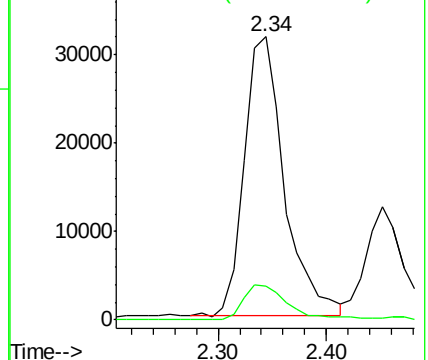
Tgt Ion: 43 Resp: 80926

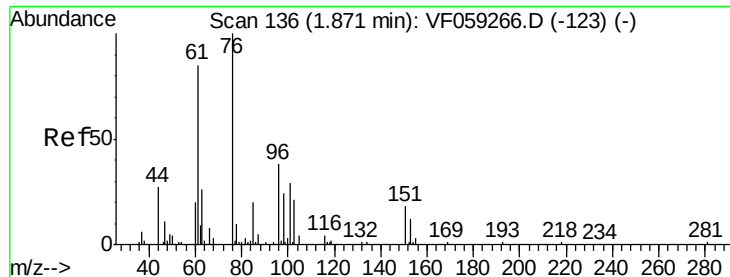
Ion	Ratio	Lower	Upper
43	100		
58	12.1	12.1	18.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

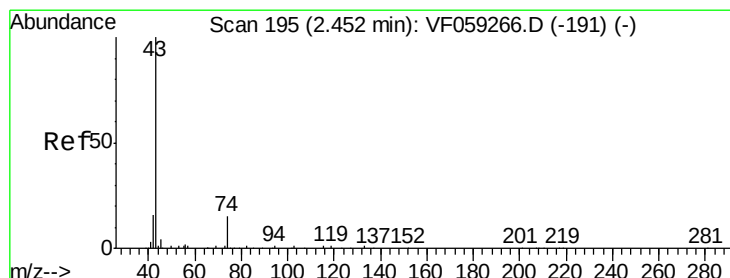
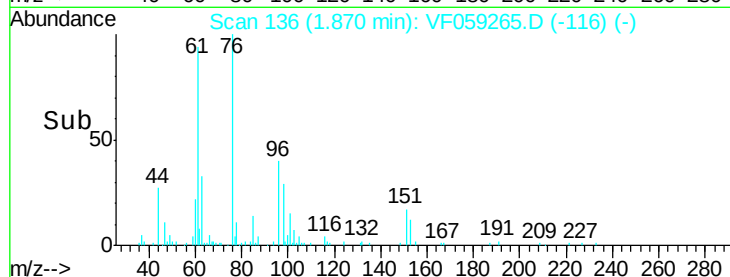
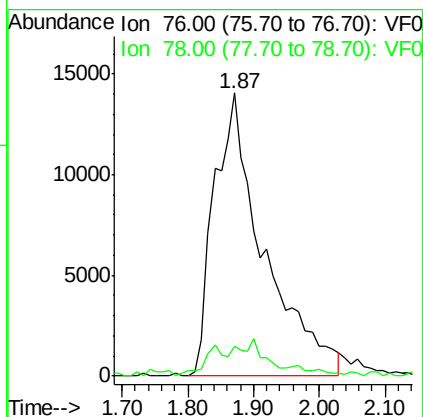
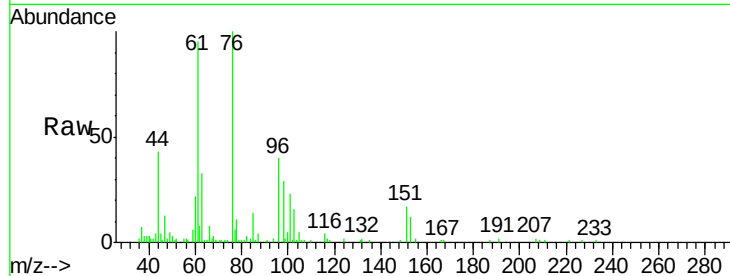




#17
Carbon Disulfide
Concen: 17.044 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

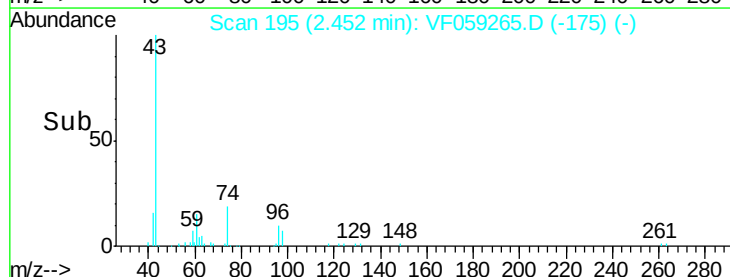
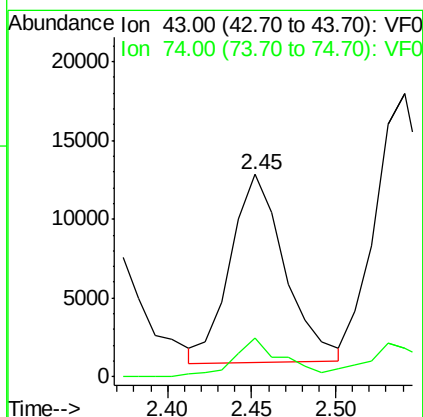
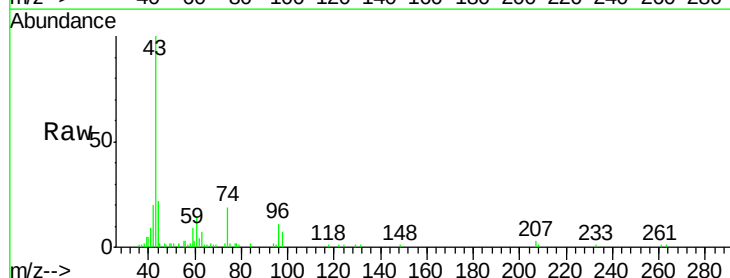
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

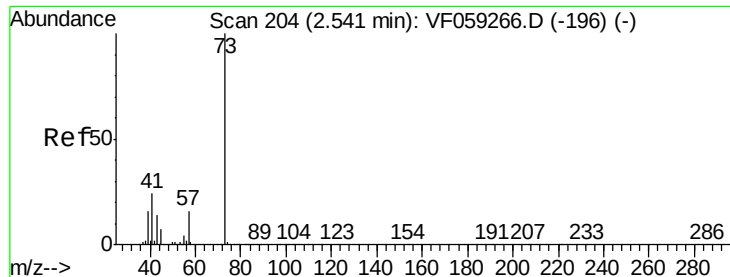
Tgt Ion: 76 Resp: 73492
Ion Ratio Lower Upper
76 100
78 10.7 8.6 12.8



#18
Methyl Acetate
Concen: 21.607 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 43 Resp: 26821
Ion Ratio Lower Upper
43 100
74 19.2 11.0 16.4#



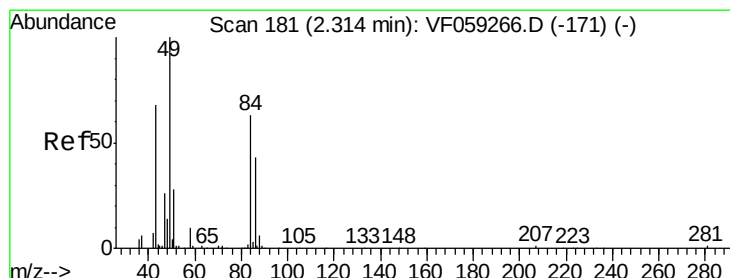
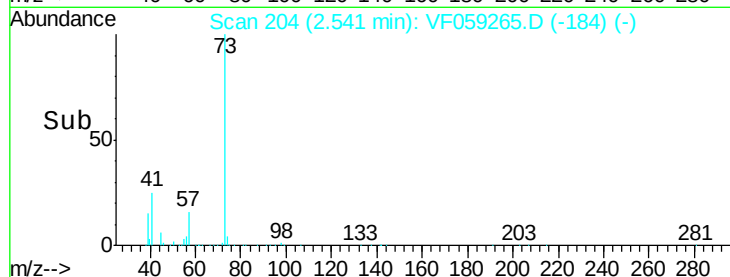
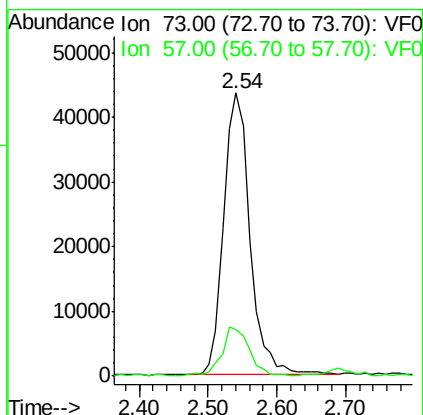
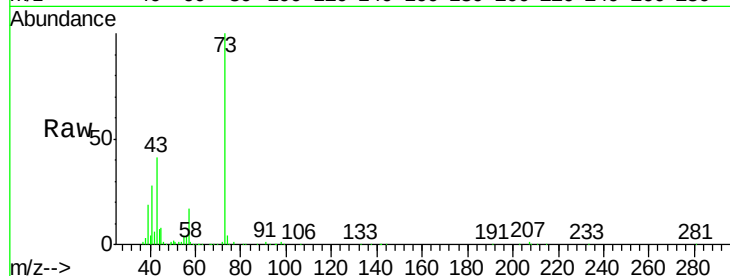


#19

Methyl tert-butyl Ether
Concen: 22.923 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

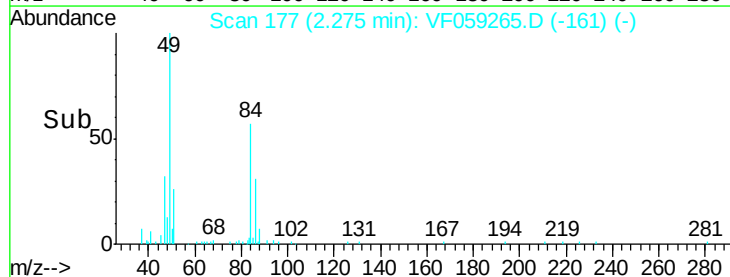
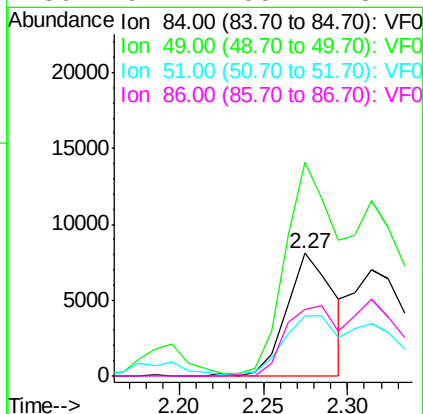
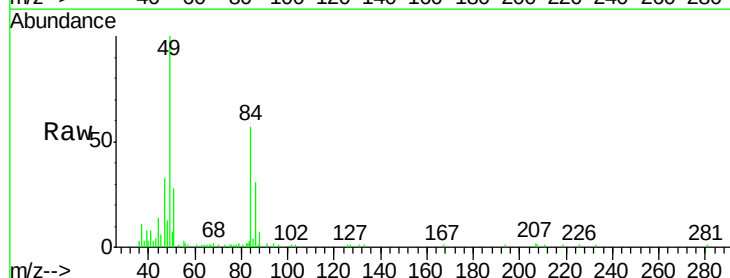
Tgt Ion: 73 Resp: 115146
Ion Ratio Lower Upper
73 100
57 16.5 13.0 19.4

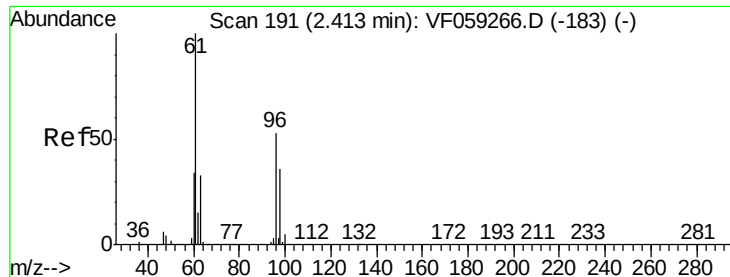


#20

Methylene Chloride
Concen: 9.388 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.04 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 84 Resp: 15651
Ion Ratio Lower Upper
84 100
49 174.2 130.0 195.0
51 49.1 36.6 55.0
86 54.4 55.1 82.7#





#21

trans-1,2-Dichloroethene

Concen: 18.228 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

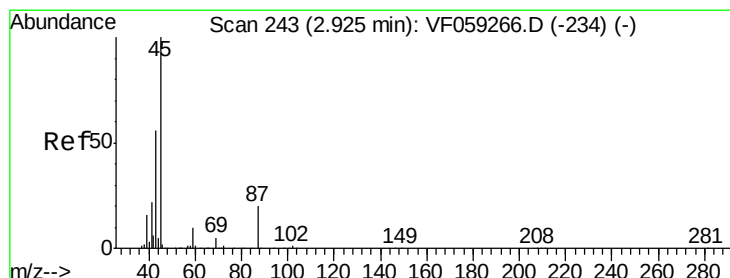
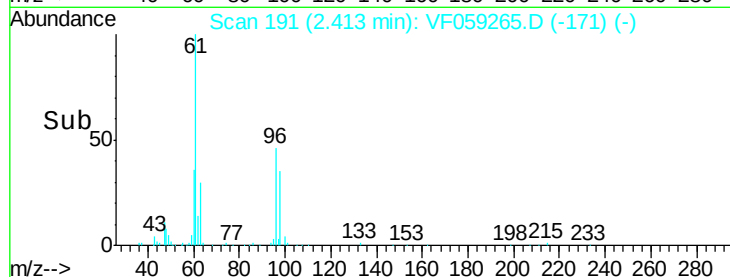
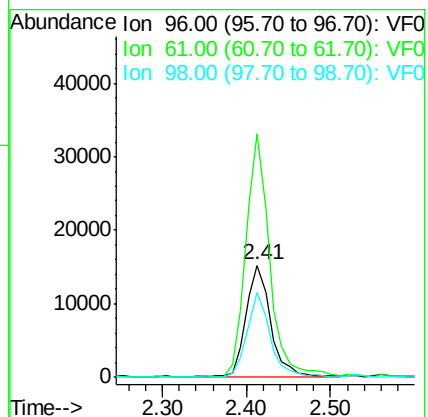
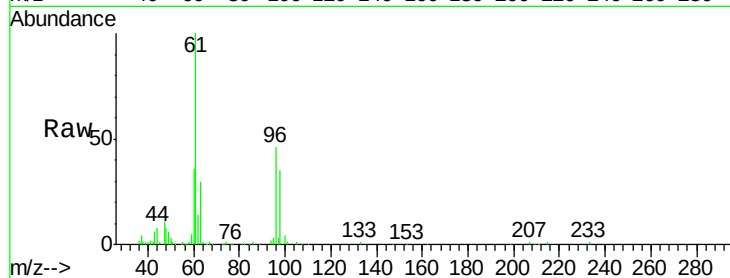
Tgt Ion: 96 Resp: 31742

Ion Ratio Lower Upper

96 100

61 216.6 151.2 226.8

98 75.0 54.2 81.2



#22

Diisopropyl ether

Concen: 20.961 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion: 45 Resp: 129475

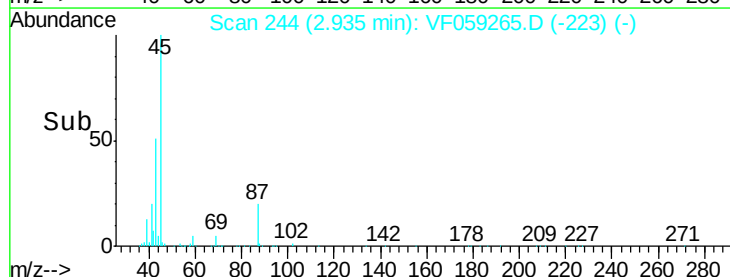
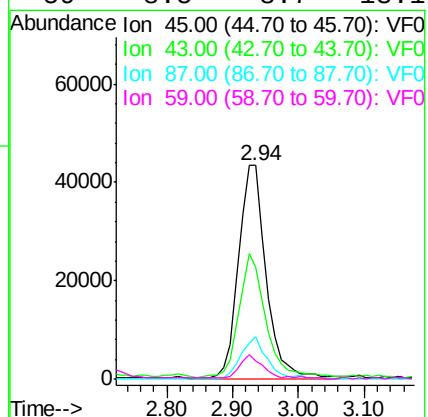
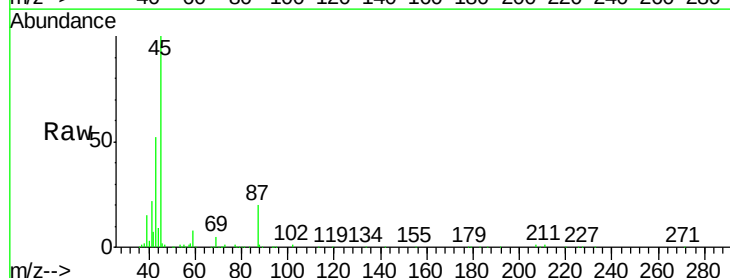
Ion Ratio Lower Upper

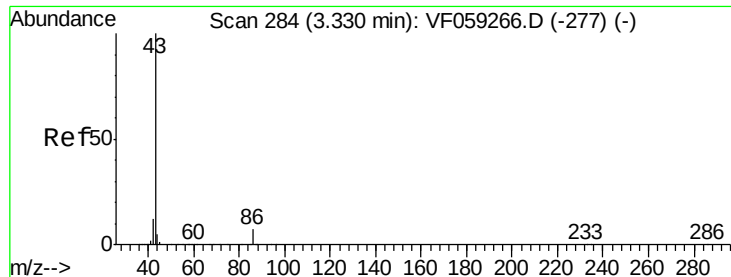
45 100

43 52.4 45.8 68.6

87 19.9 15.7 23.5

59 8.5 8.7 13.1#





#23

Vinyl Acetate

Concen: 110.787 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

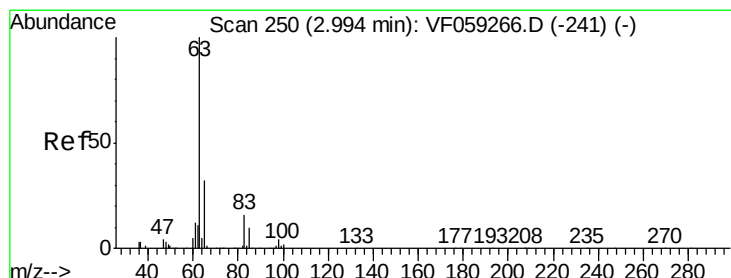
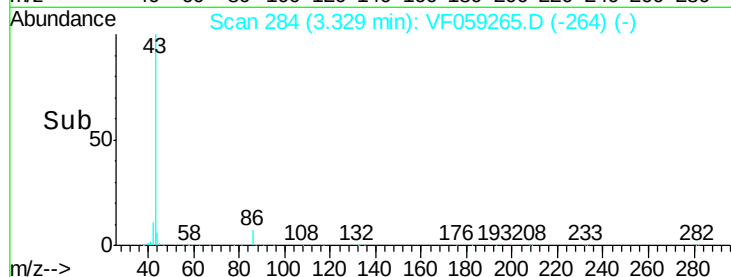
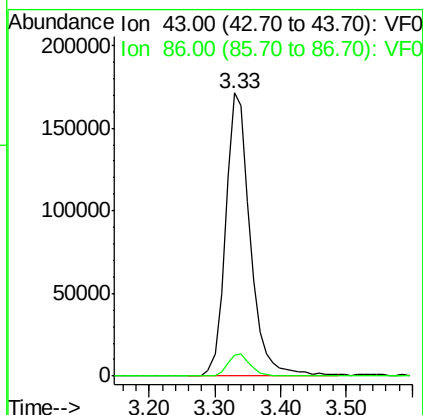
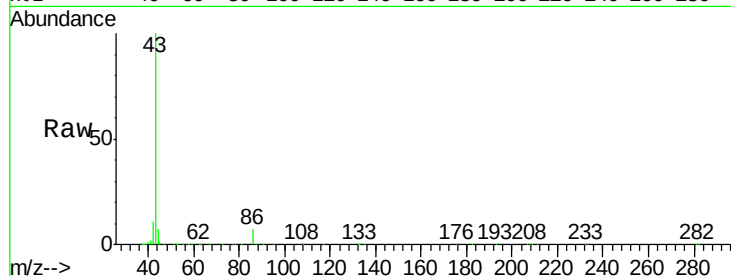
VSTDIC020

Tgt Ion: 43 Resp: 446306

Ion Ratio Lower Upper

43 100

86 7.4 5.4 8.2



#24

1,1-Dichloroethane

Concen: 22.624 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

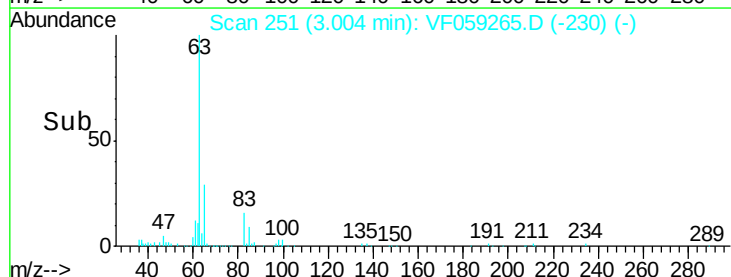
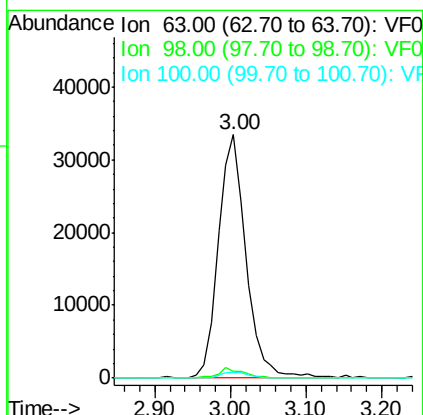
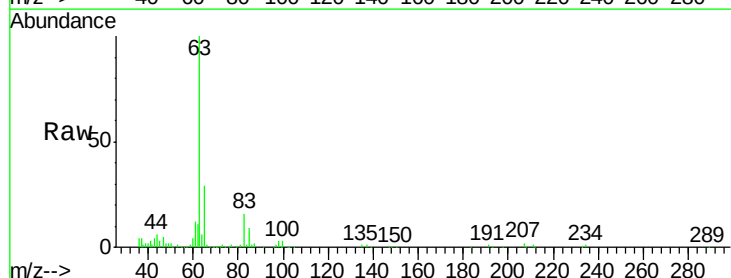
Tgt Ion: 63 Resp: 85134

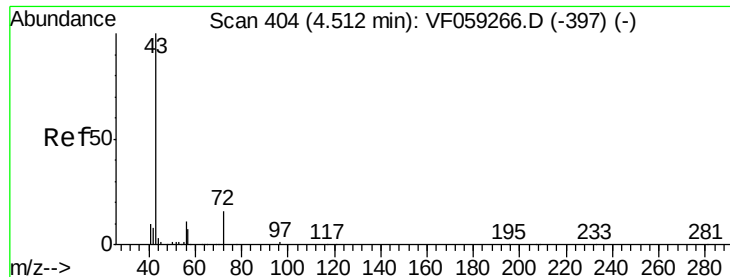
Ion Ratio Lower Upper

63 100

98 3.0 2.0 5.8

100 2.5 1.1 3.1





#25

2-Butanone

Concen: 100.993 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

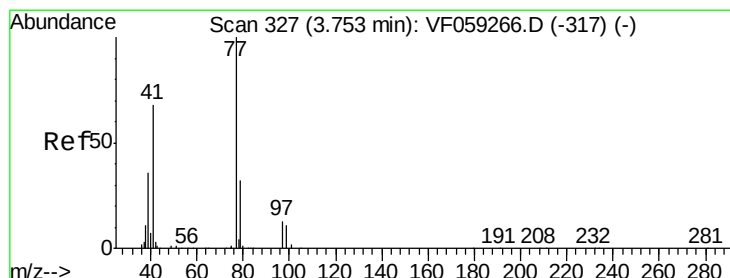
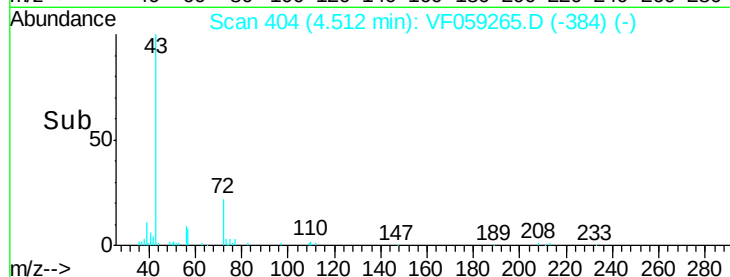
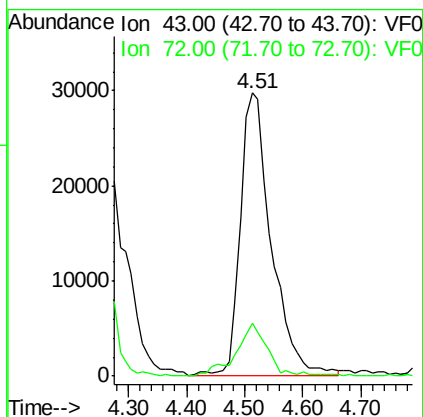
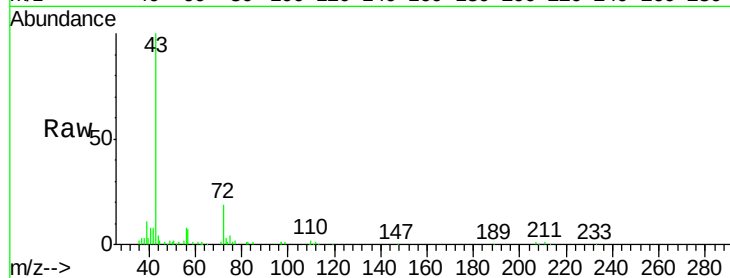
VSTDIC020

Tgt Ion: 43 Resp: 109542

Ion Ratio Lower Upper

43 100

72 18.9 15.2 22.8



#26

2,2-Dichloropropane

Concen: 22.243 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059265.D

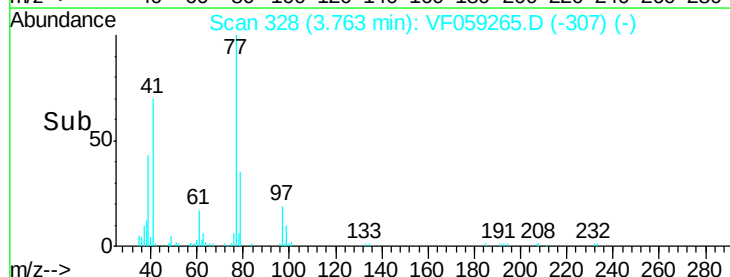
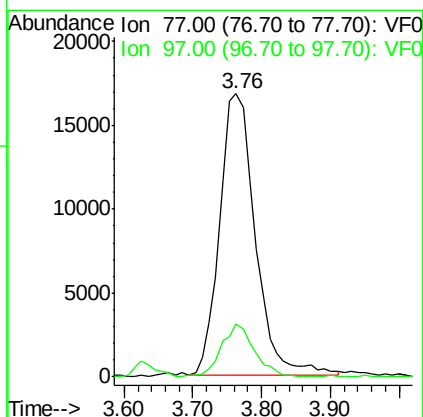
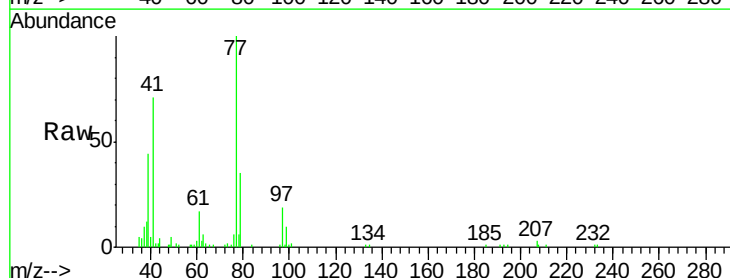
Acq: 21 Jun 2018 16:45

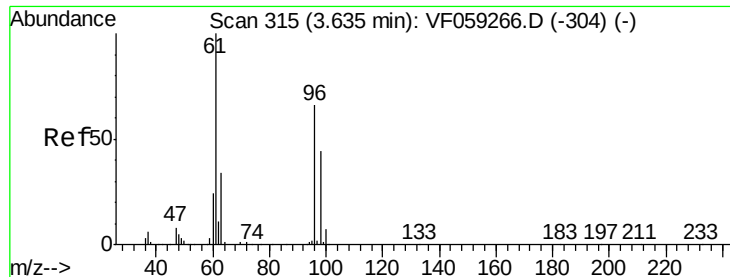
Tgt Ion: 77 Resp: 60425

Ion Ratio Lower Upper

77 100

97 18.9 7.6 22.8



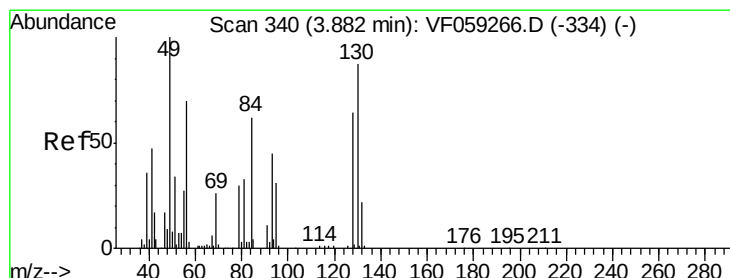
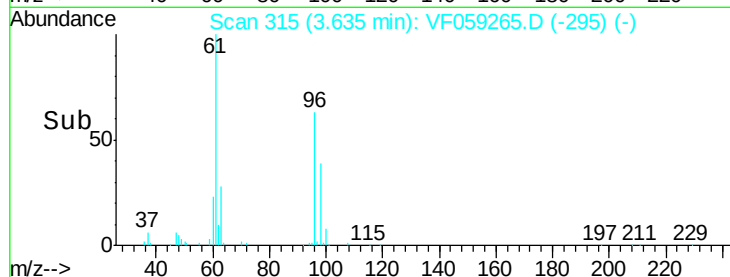
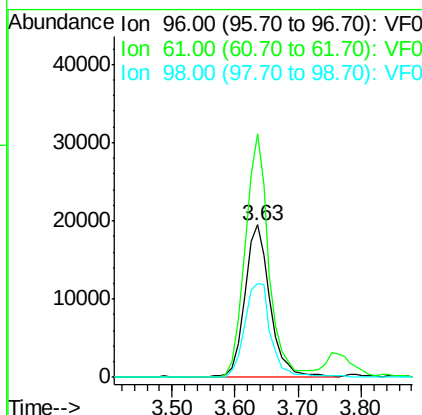
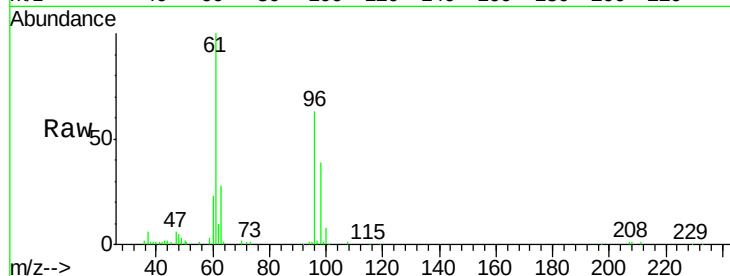


#27

cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

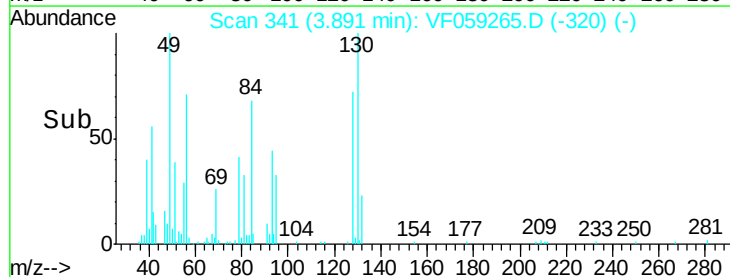
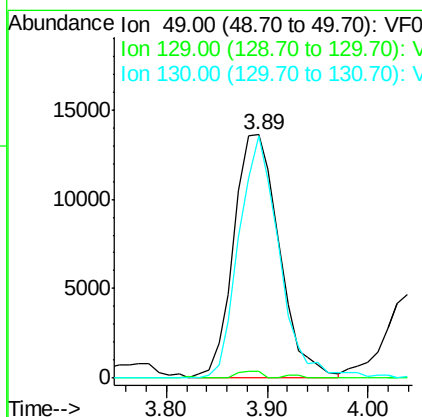
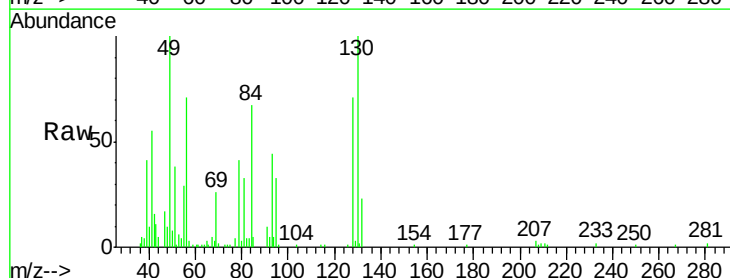
Tgt Ion: 96 Resp: 54374
Ion Ratio Lower Upper
96 100
61 159.6 0.0 305.0
98 61.6 0.0 134.0

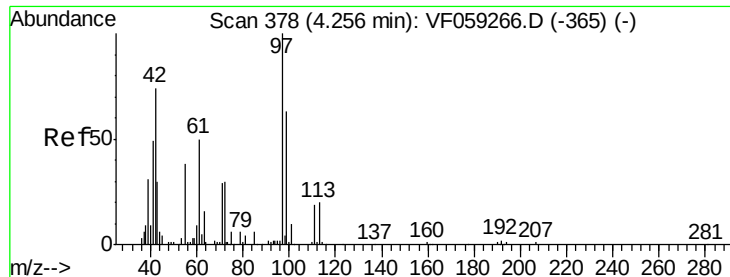


#28

Bromochloromethane
Concen: 25.756 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 49 Resp: 42888
Ion Ratio Lower Upper
49 100
129 2.6 0.0 3.8
130 99.6 69.4 104.2





#29

Tetrahydrofuran

Concen: 110.251 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

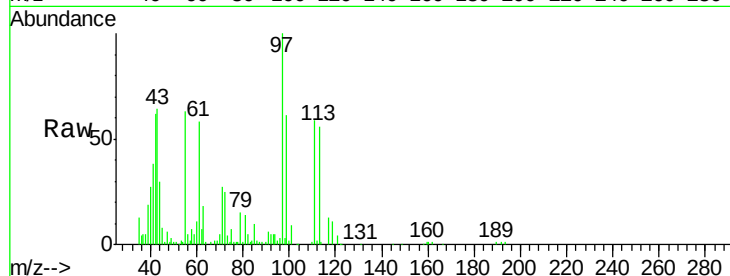
Tgt Ion: 42 Resp: 52176

Ion Ratio Lower Upper

42 100

72 39.3 31.2 46.8

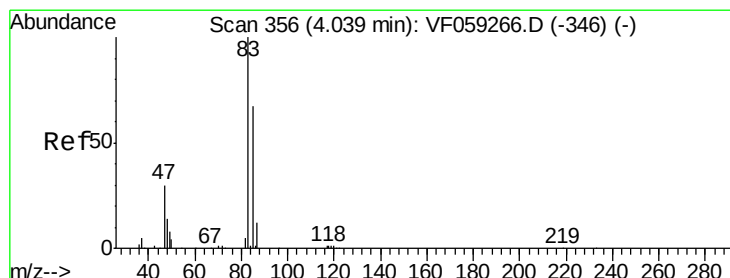
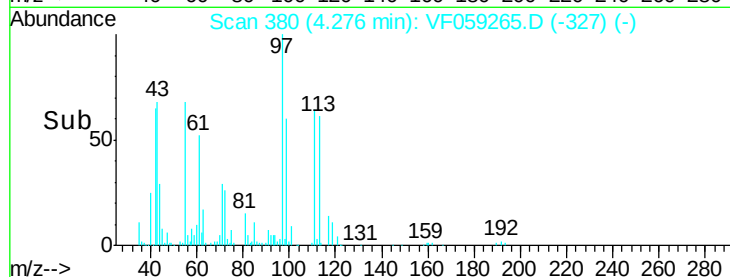
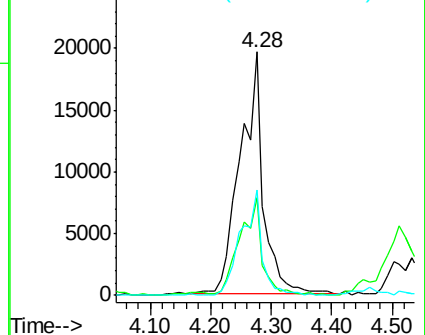
71 39.6 30.2 45.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.457 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF059265.D

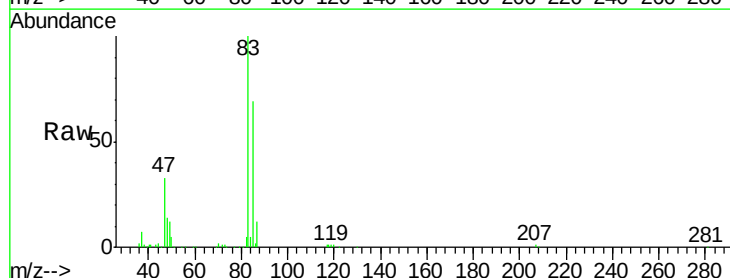
Acq: 21 Jun 2018 16:45

Tgt Ion: 83 Resp: 120514

Ion Ratio Lower Upper

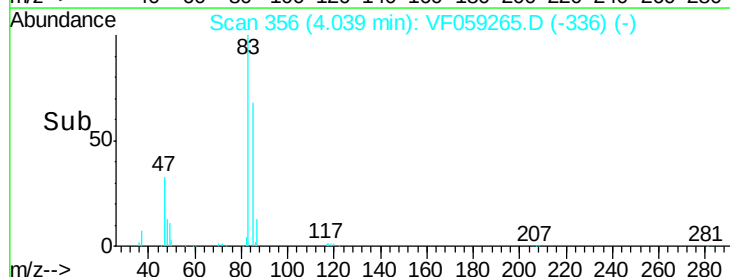
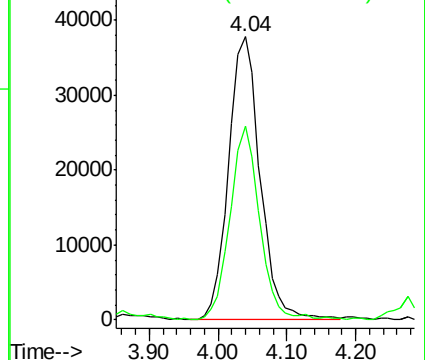
83 100

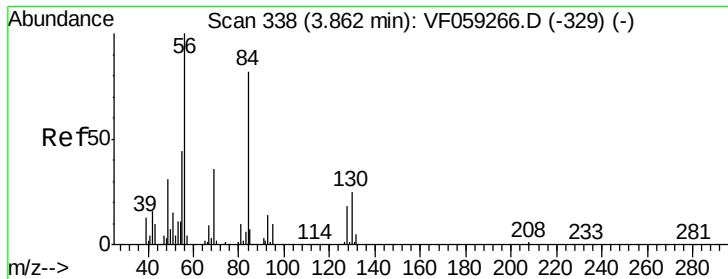
85 68.5 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 17.959 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

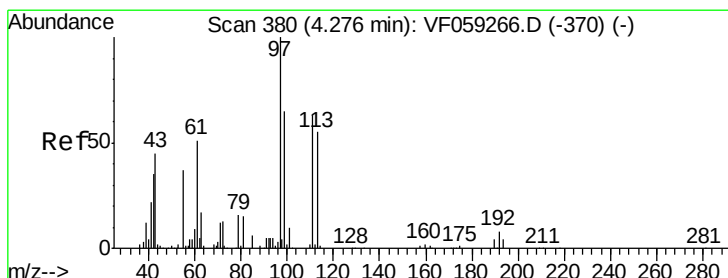
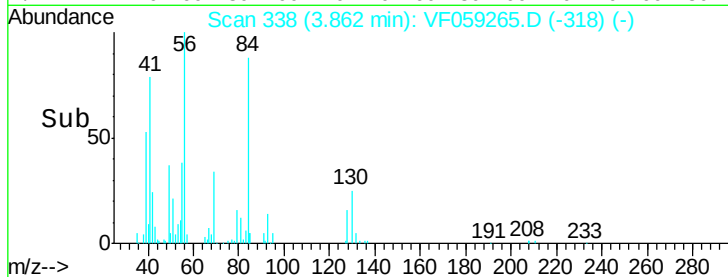
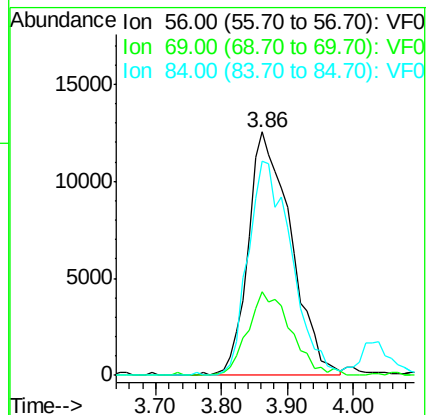
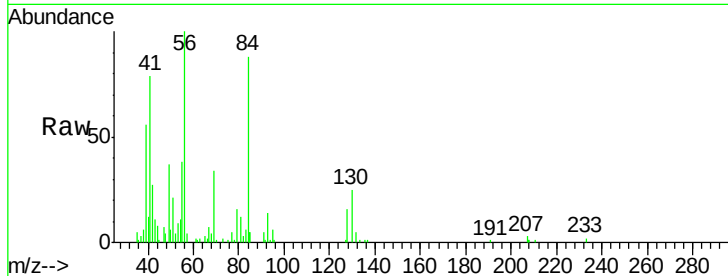
Tgt Ion: 56 Resp: 56993

Ion Ratio Lower Upper

56 100

69 34.3 28.6 43.0

84 87.8 65.8 98.6



#32

1,1,1-Trichloroethane

Concen: 24.718 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

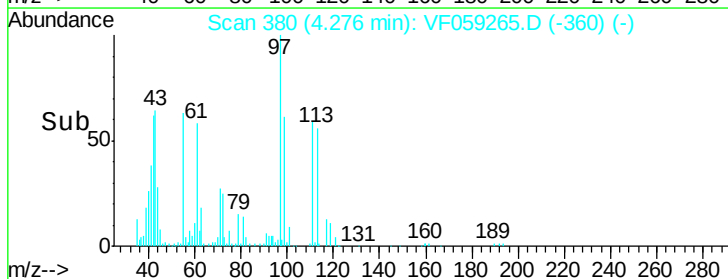
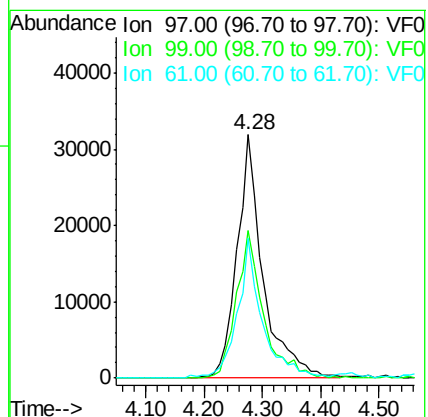
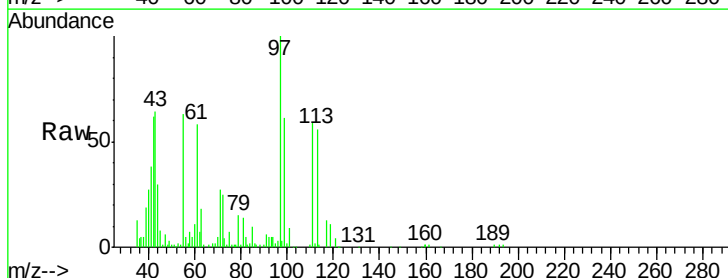
Tgt Ion: 97 Resp: 99633

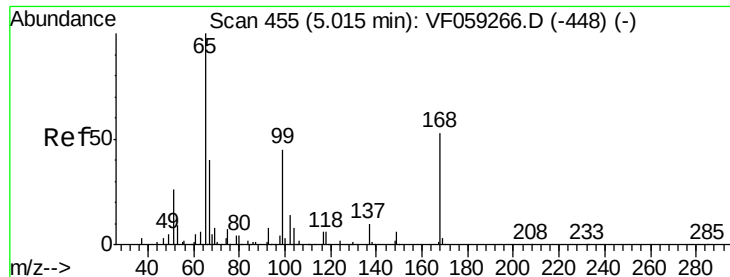
Ion Ratio Lower Upper

97 100

99 60.7 52.4 78.6

61 57.6 40.9 61.3

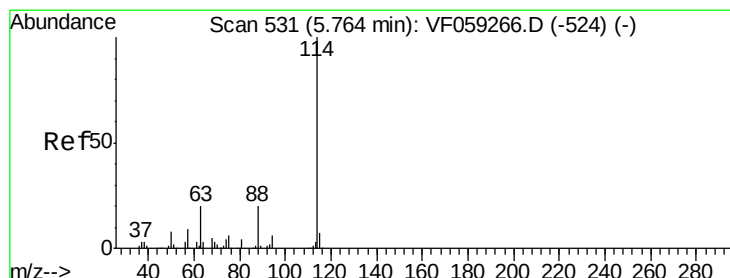
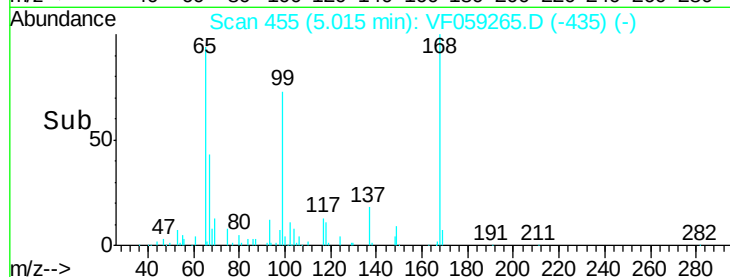
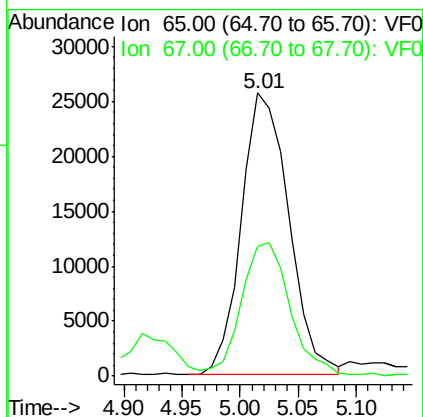
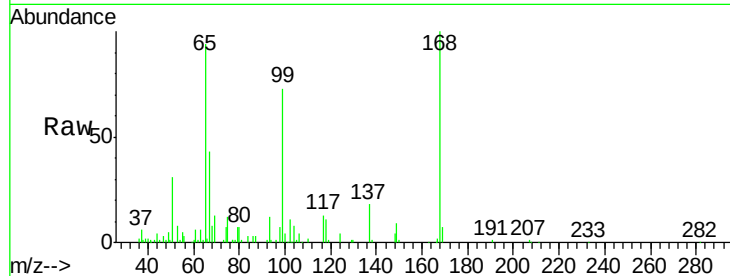




#33
 1,2-Dichloroethane-d4
 Concen: 24.374 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

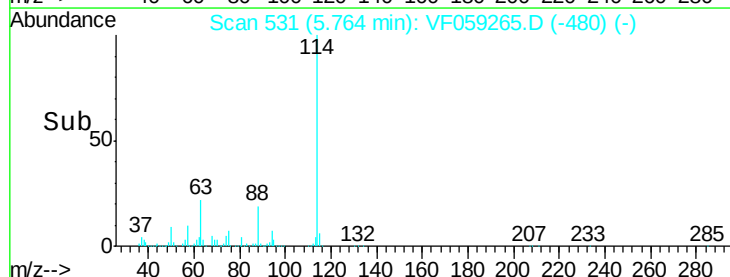
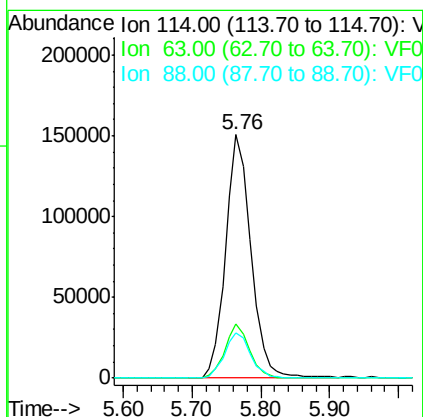
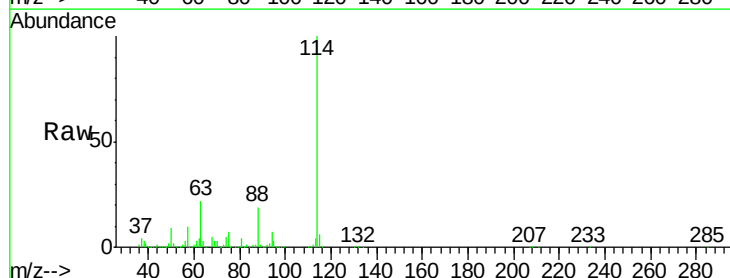
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

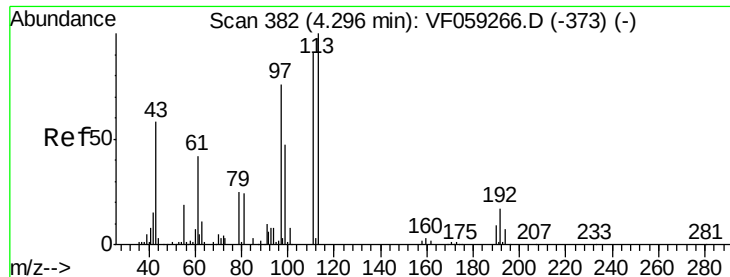
Tgt Ion: 65 Resp: 72539
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion: 114 Resp: 385680
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.0
 88 18.8 0.0 39.6





#35

Dibromofluoromethane

Concen: 25.040 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

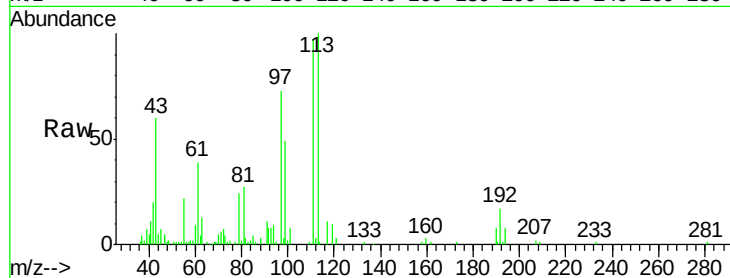
Tgt Ion:113 Resp: 68405

Ion Ratio Lower Upper

113 100

111 97.1 73.1 109.7

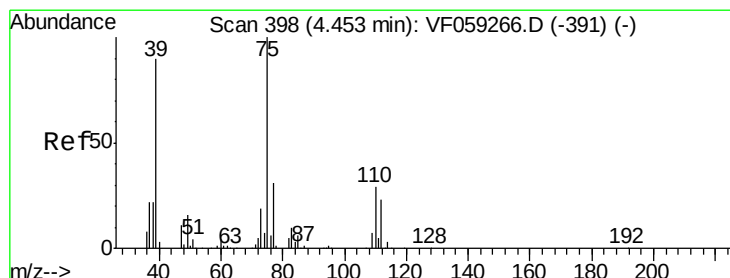
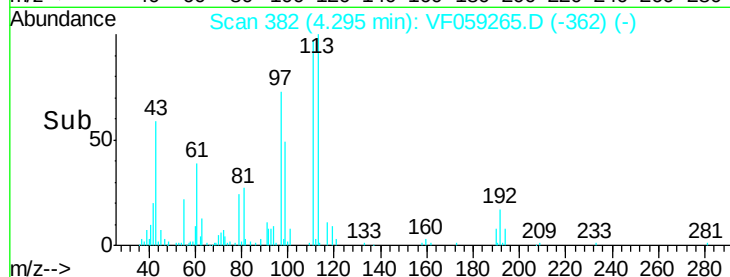
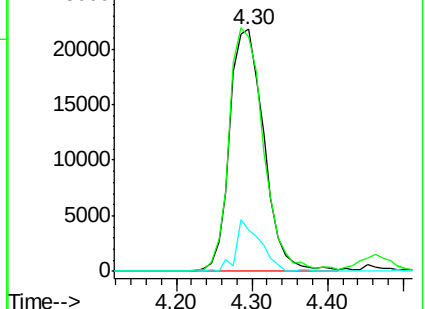
192 17.3 13.9 20.9



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: 19.728 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

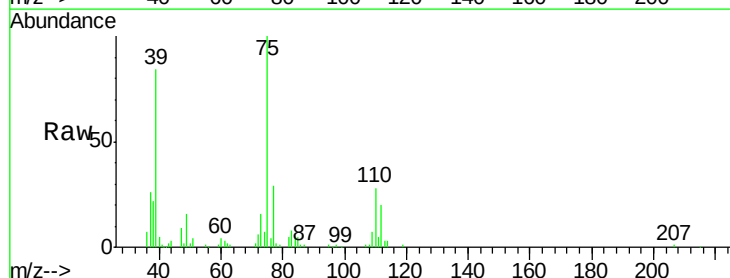
Tgt Ion: 75 Resp: 73994

Ion Ratio Lower Upper

75 100

110 27.9 14.5 43.5

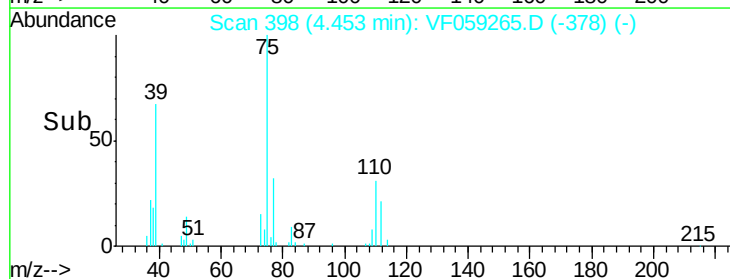
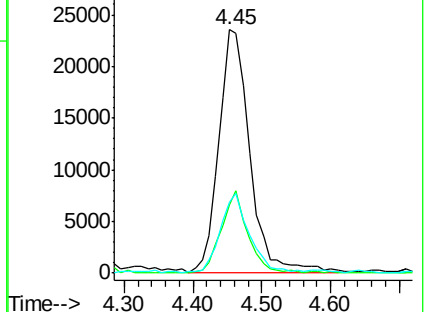
77 29.3 25.0 37.6

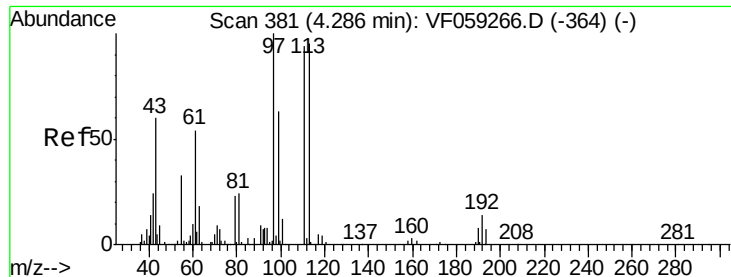


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

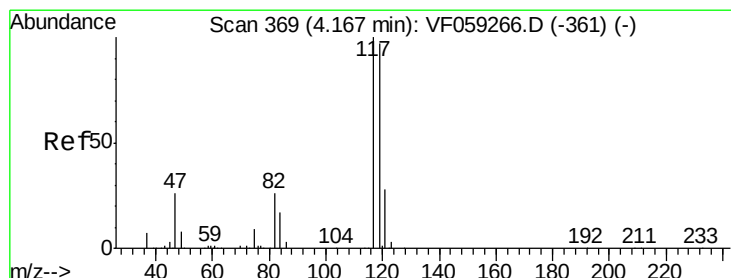
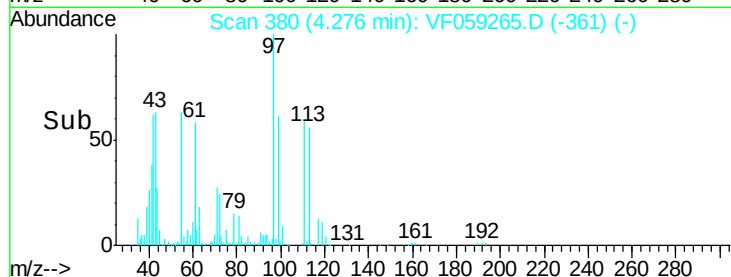
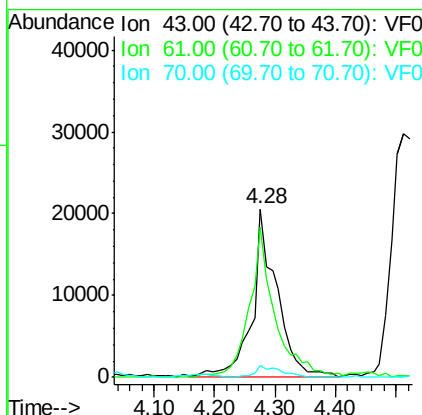
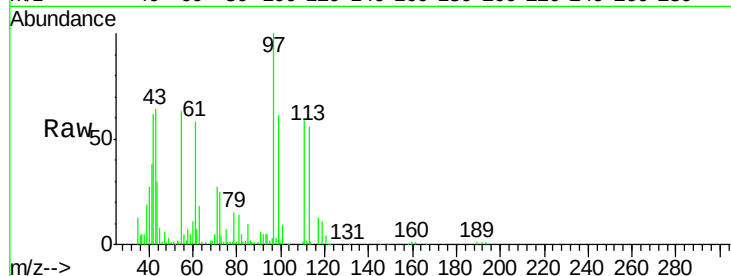




#37
Ethyl Acetate
Concen: 24.289 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

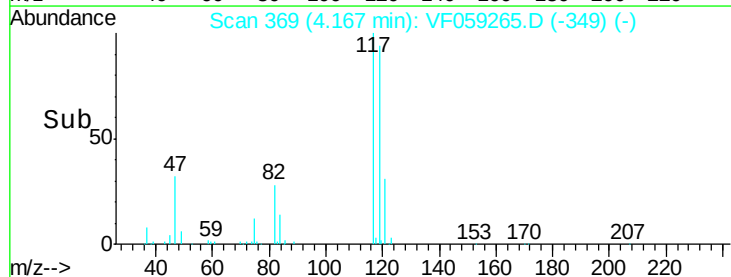
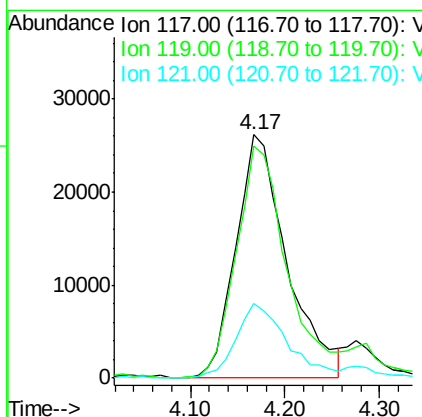
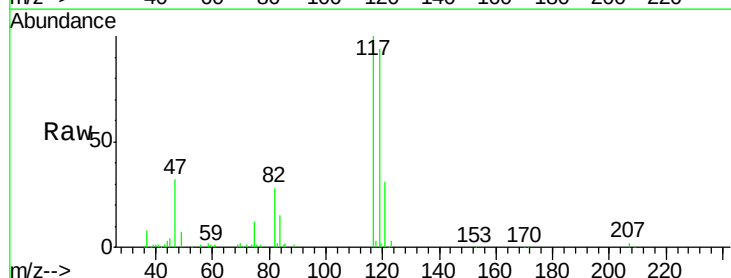
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

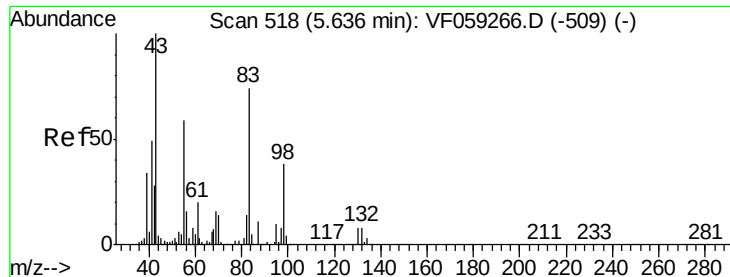
Tgt Ion: 43 Resp: 56872
Ion Ratio Lower Upper
43 100
61 89.4 71.6 107.4
70 7.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 23.623 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 117 Resp: 98292
Ion Ratio Lower Upper
117 100
119 95.3 77.5 116.3
121 30.6 22.2 33.4

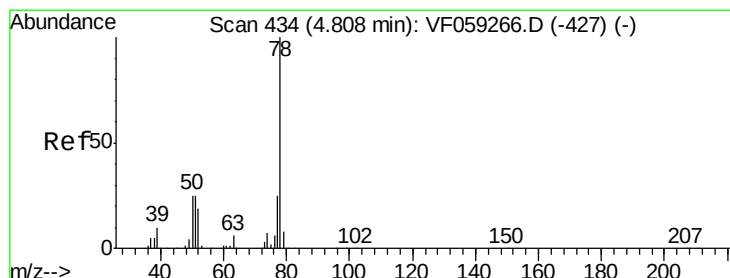
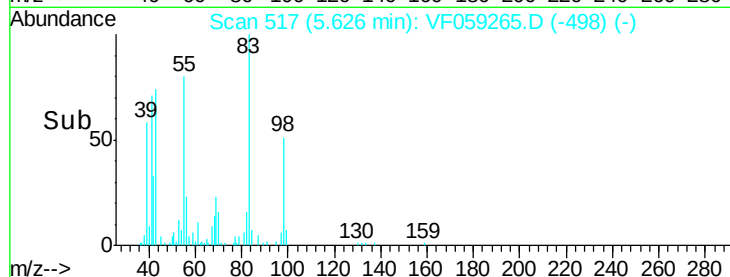
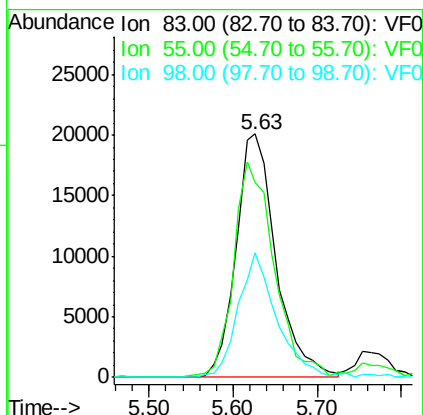
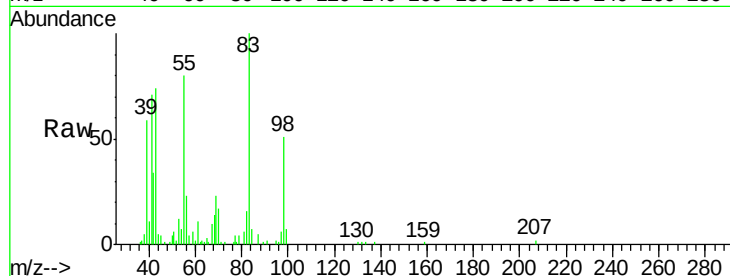




#39
Methylcyclohexane
Concen: 17.865 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

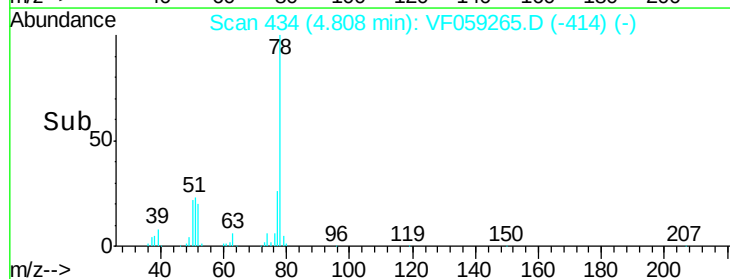
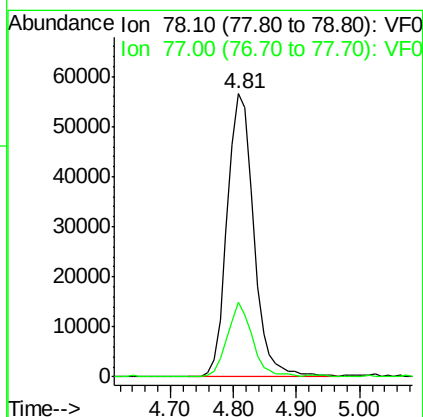
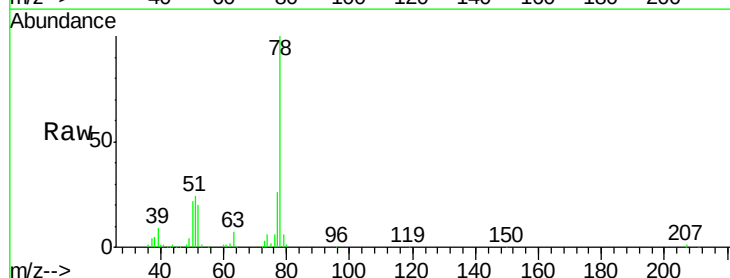
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

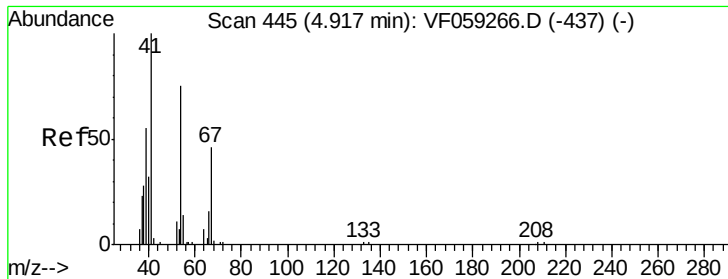
Tgt Ion: 83 Resp: 66356
Ion Ratio Lower Upper
83 100
55 79.9 63.7 95.5
98 51.0 41.6 62.4



#40
Benzene
Concen: 19.162 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 78 Resp: 165166
Ion Ratio Lower Upper
78 100
77 26.2 20.4 30.6

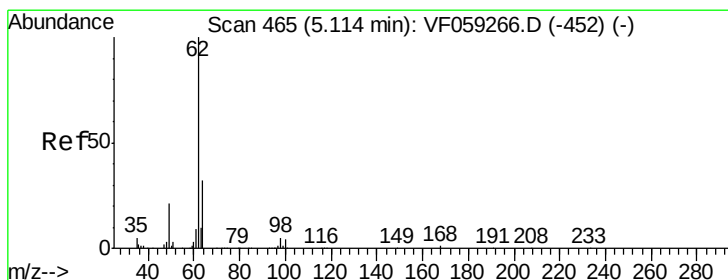
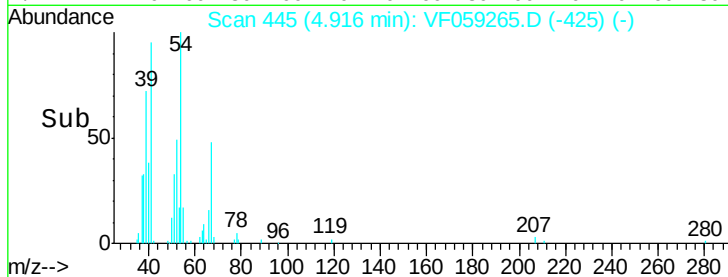
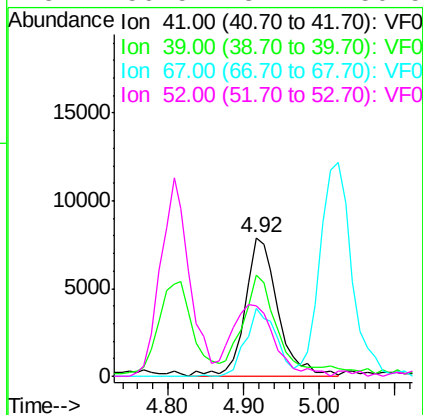
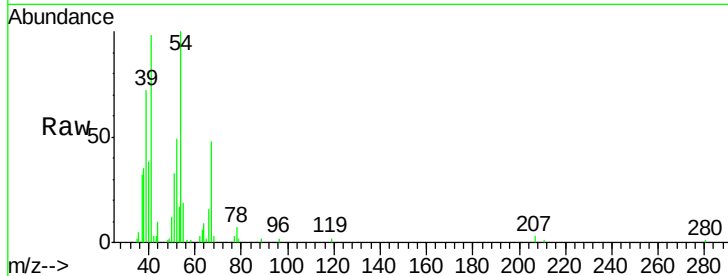




#41
Methacrylonitrile
Concen: 20.770 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

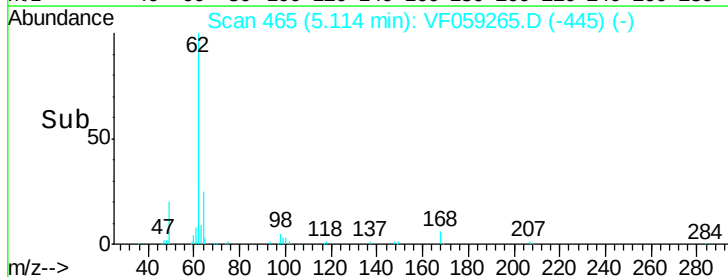
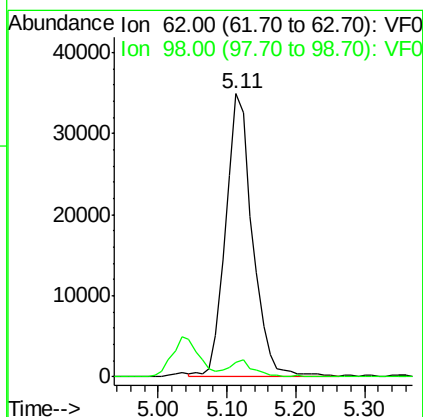
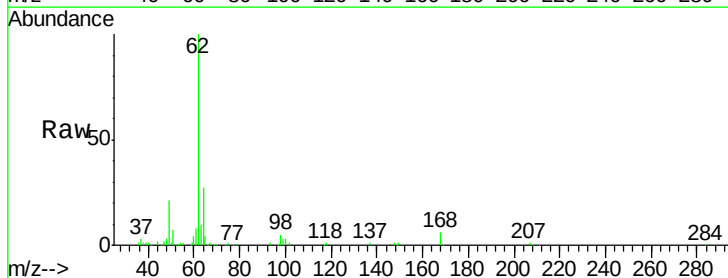
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

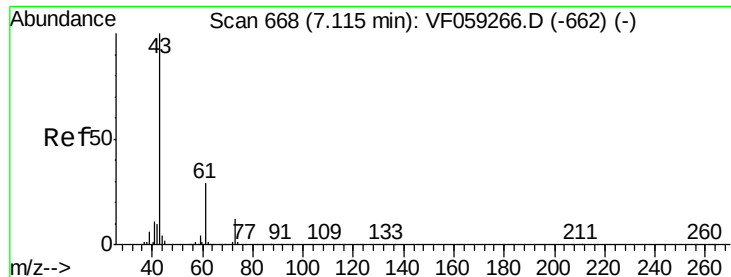
Tgt Ion:	41	Resp:	23875
Ion	Ratio	Lower	Upper
41	100		
39	73.5	57.0	85.6
67	48.9	36.8	55.2
52	50.5	37.7	56.5



#42
1,2-Dichloroethane
Concen: 22.794 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion:	62	Resp:	92865
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.4





#43

Isopropyl Acetate

Concen: 18.441 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

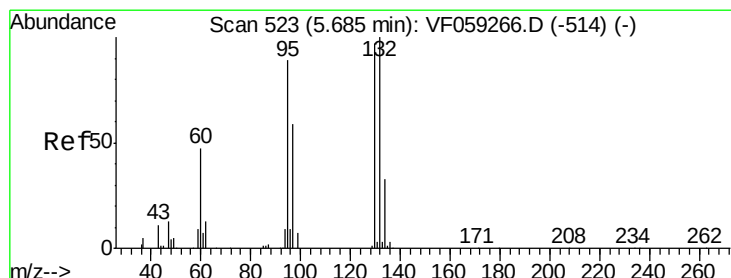
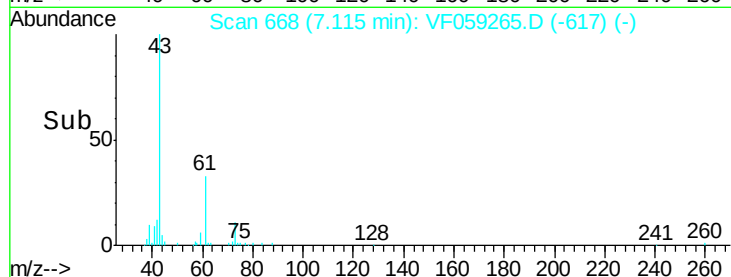
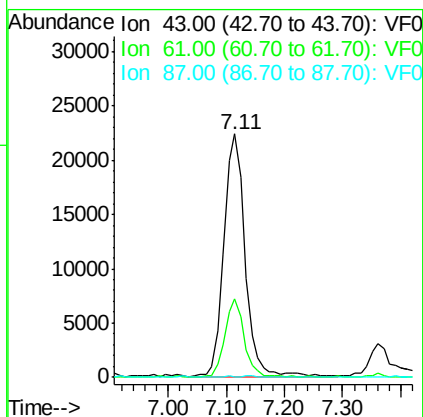
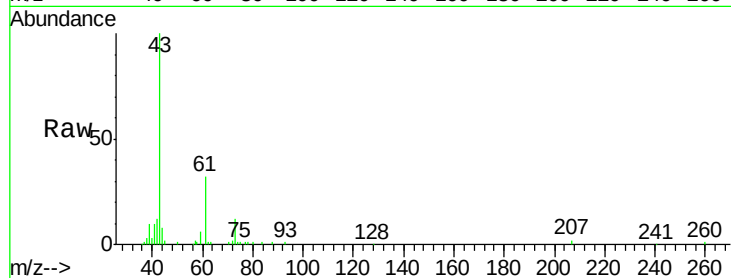
Tgt Ion: 43 Resp: 58014

Ion Ratio Lower Upper

43 100

61 32.3 22.8 34.2

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 20.096 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF059265.D

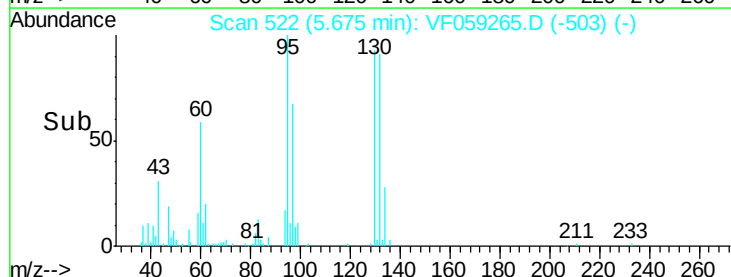
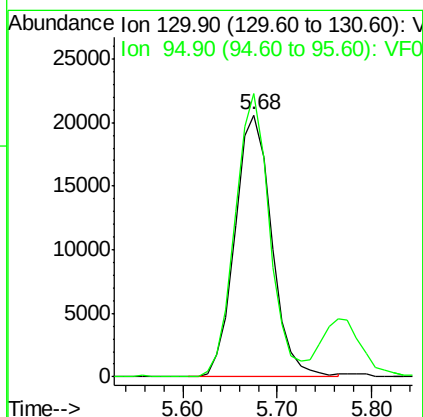
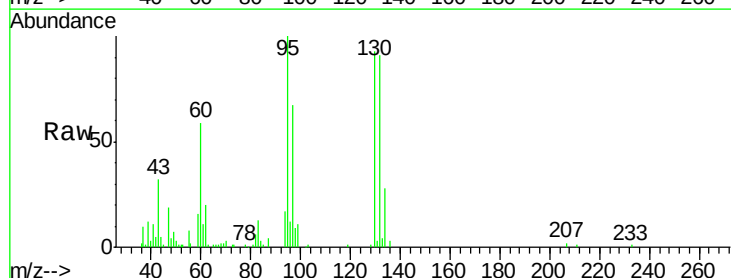
Acq: 21 Jun 2018 16:45

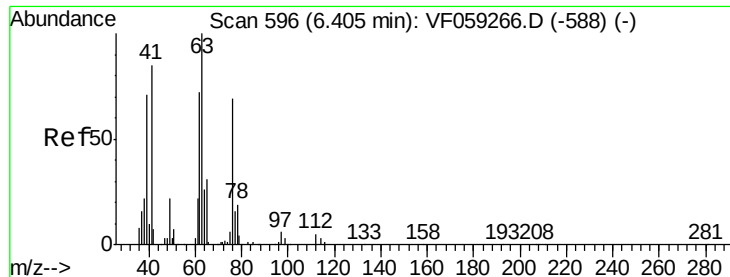
Tgt Ion: 130 Resp: 55583

Ion Ratio Lower Upper

130 100

95 108.0 0.0 183.6

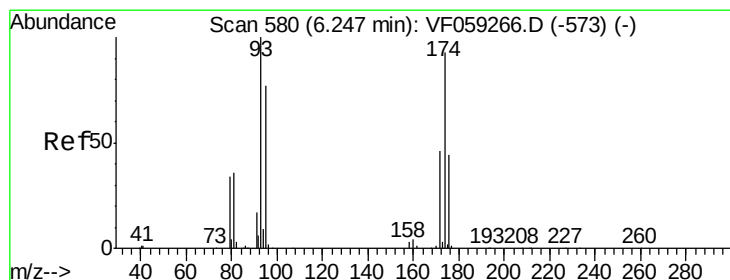
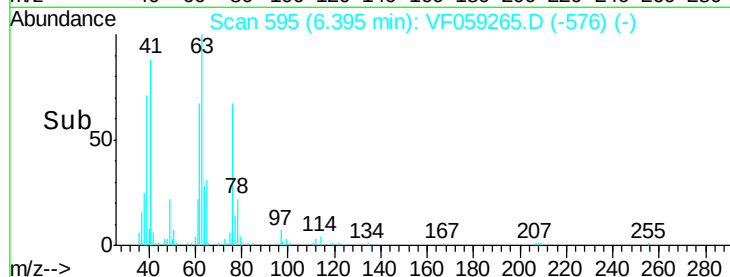
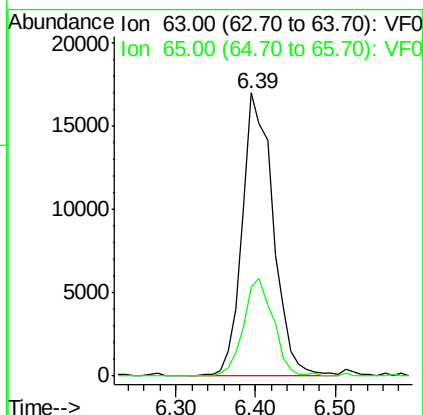
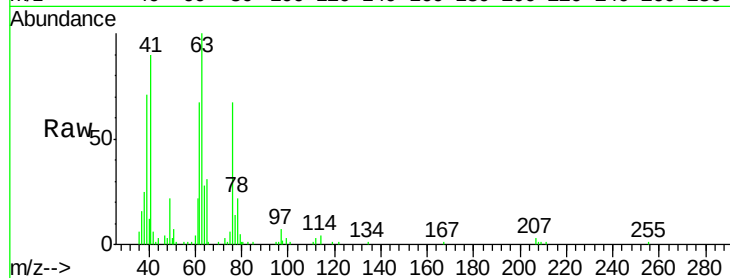




#45
 1,2-Dichloropropane
 Concen: 18.403 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

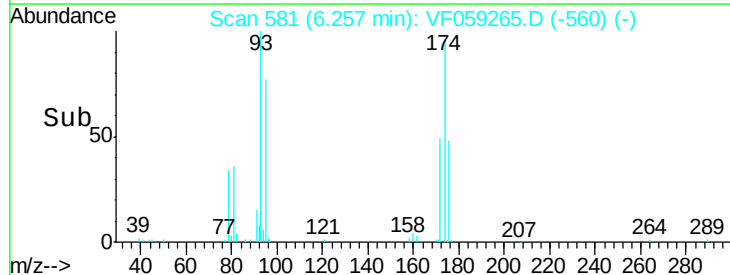
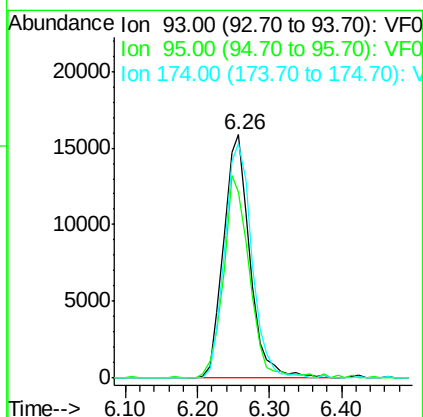
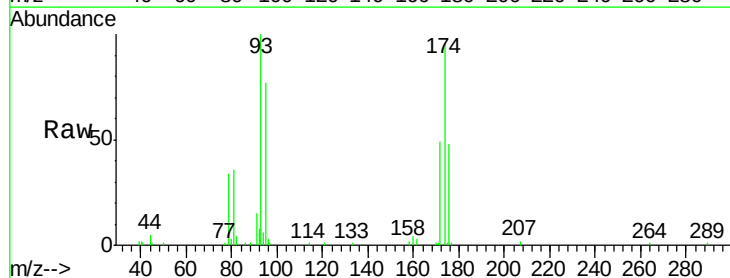
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

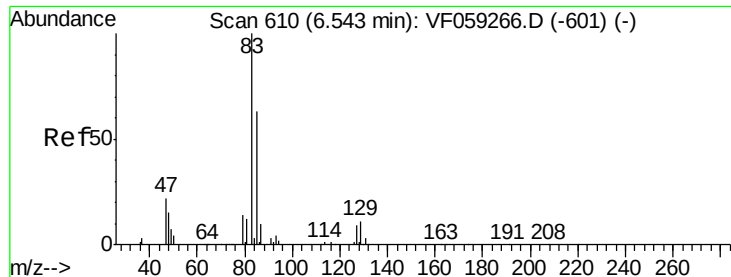
Tgt Ion: 63 Resp: 45913
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.3 37.9



#46
 Dibromomethane
 Concen: 21.097 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion: 93 Resp: 40129
 Ion Ratio Lower Upper
 93 100
 95 76.7 61.8 92.6
 174 96.4 74.4 111.6





#47

Bromodichloromethane

Concen: 22.830 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

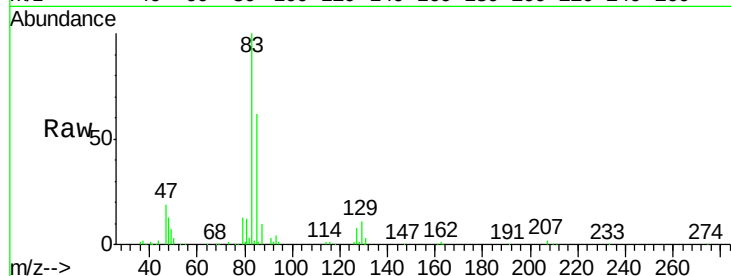
Tgt Ion: 83 Resp: 100234

Ion Ratio Lower Upper

83 100

85 61.7 50.3 75.5

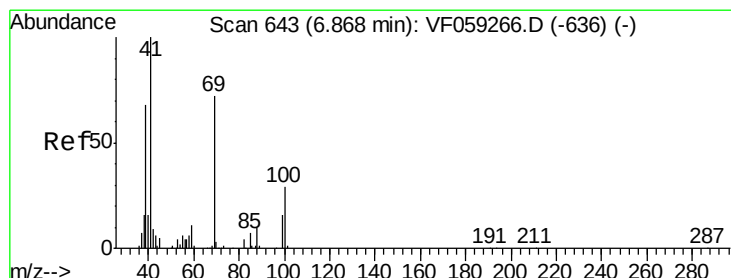
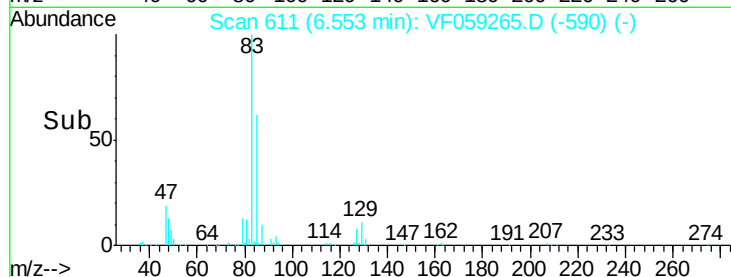
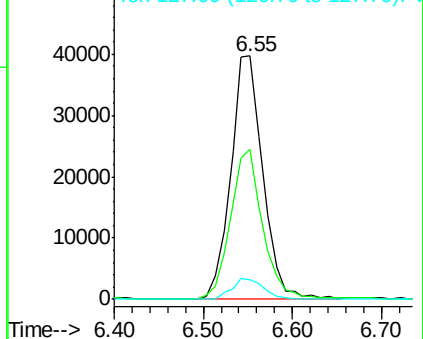
127 8.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.626 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

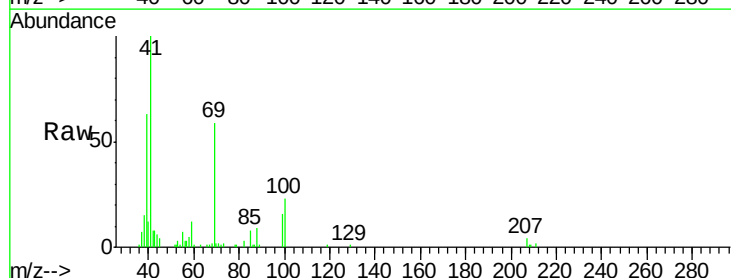
Tgt Ion: 41 Resp: 37812

Ion Ratio Lower Upper

41 100

69 58.5 57.4 86.2

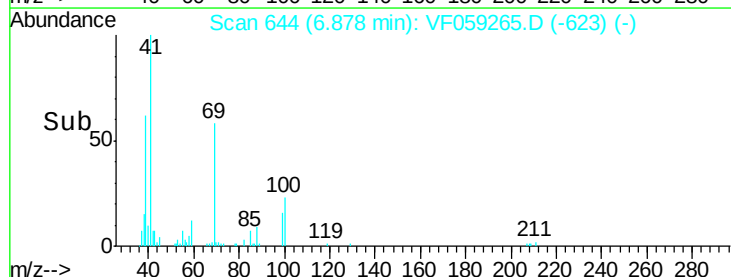
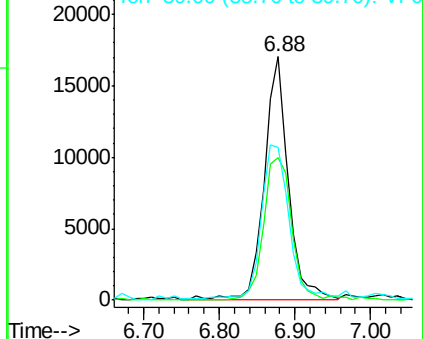
39 63.0 54.8 82.2

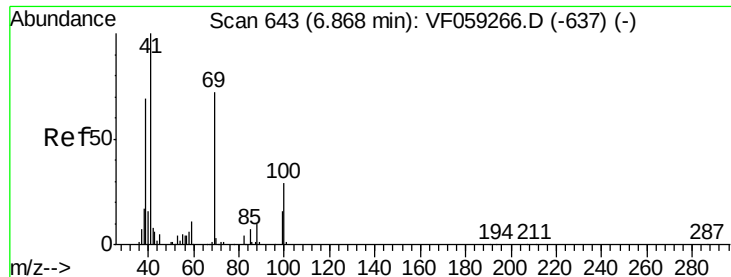


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 305.214 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

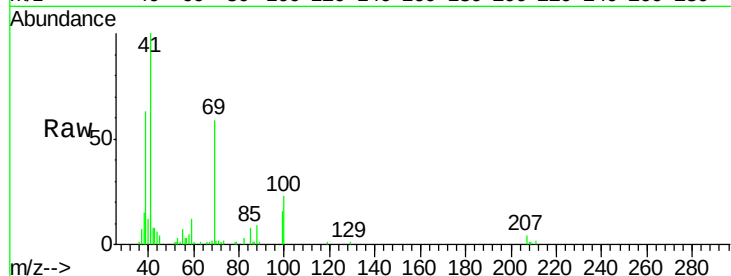
Tgt Ion: 88 Resp: 3895

Ion Ratio Lower Upper

88 100

43 82.7 55.5 83.3

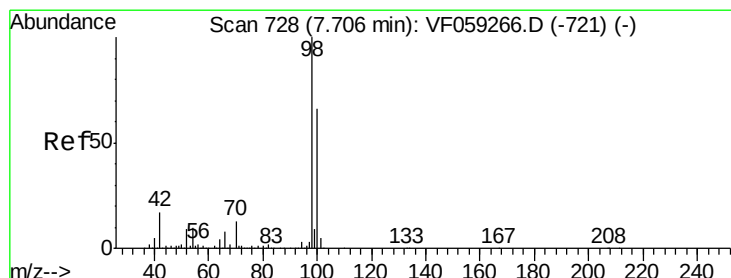
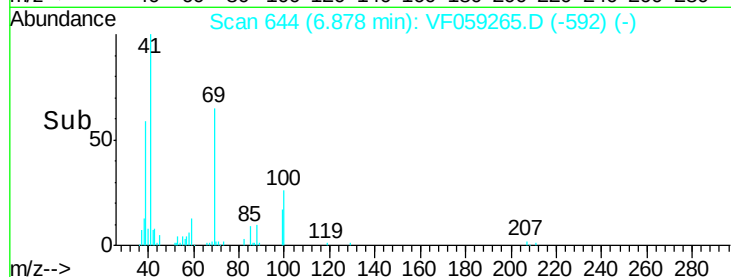
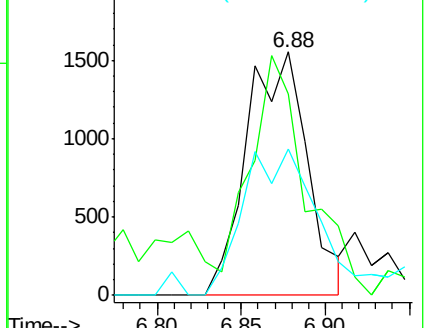
58 60.2 50.1 75.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 21.037 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059265.D

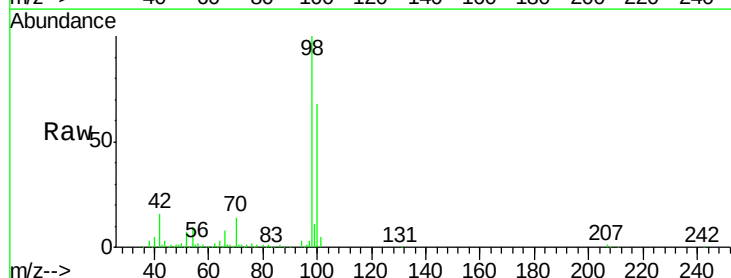
Acq: 21 Jun 2018 16:45

Tgt Ion: 98 Resp: 165152

Ion Ratio Lower Upper

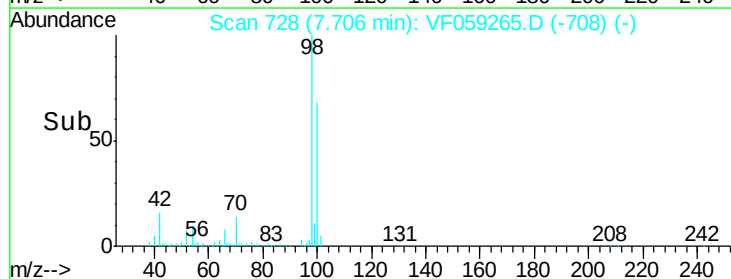
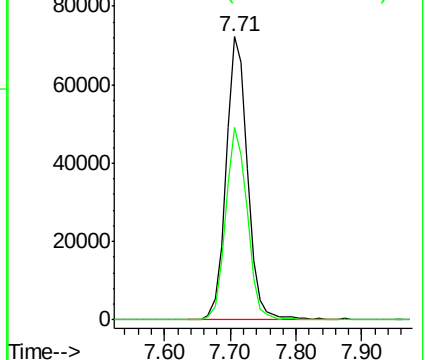
98 100

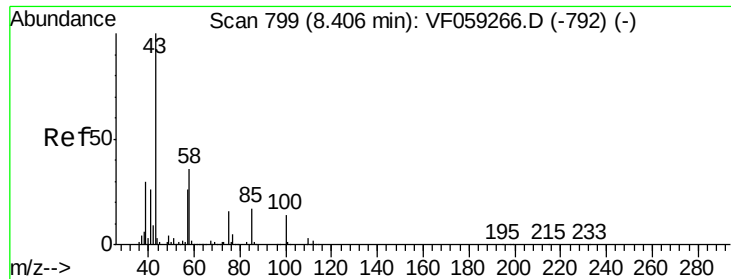
100 68.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

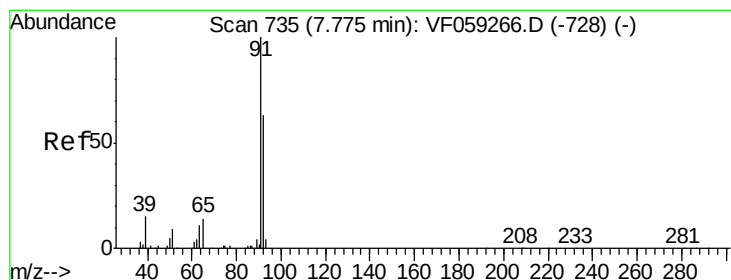
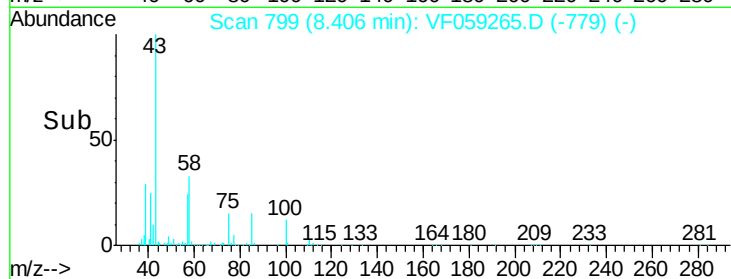
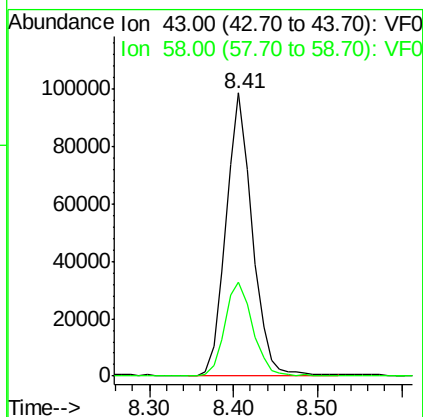
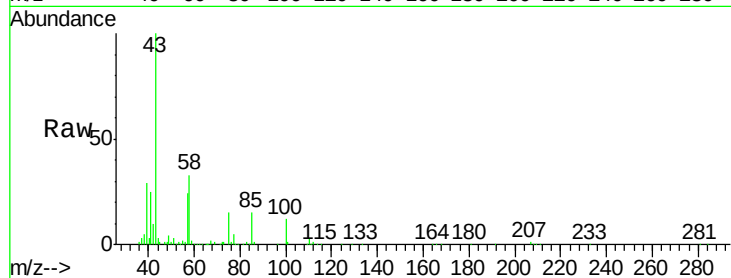




#51
 4-Methyl-2-Pentanone
 Concen: 99.589 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

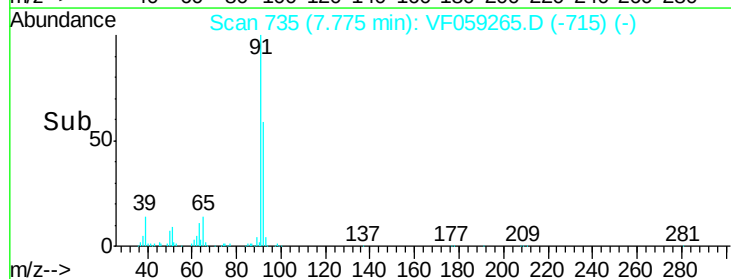
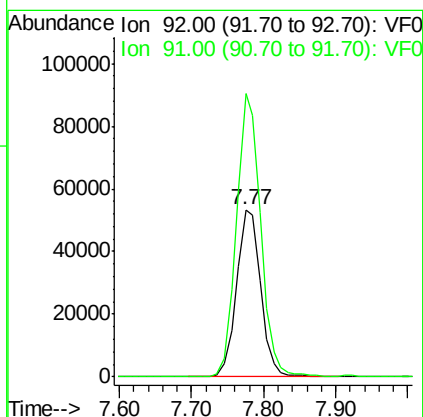
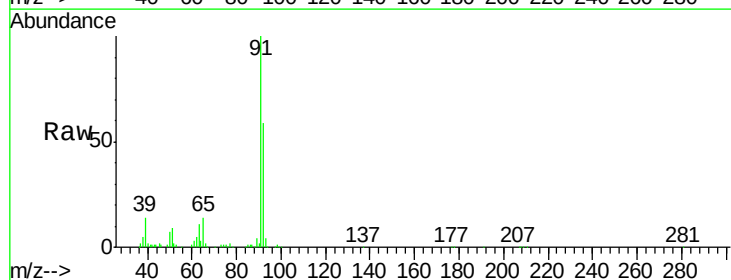
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

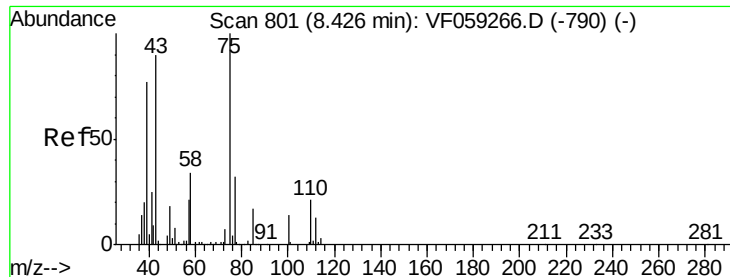
Tgt Ion: 43 Resp: 215100
 Ion Ratio Lower Upper
 43 100
 58 33.2 29.0 43.6



#52
 Toluene
 Concen: 19.948 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion: 92 Resp: 124956
 Ion Ratio Lower Upper
 92 100
 91 169.3 127.8 191.6





#53

t-1,3-Dichloropropene

Concen: 21.013 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

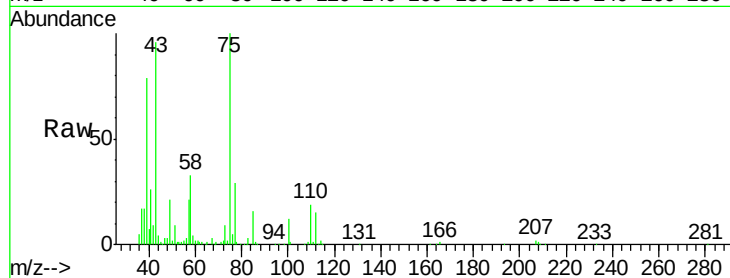
VSTDIC020

Tgt Ion: 75 Resp: 90018

Ion Ratio Lower Upper

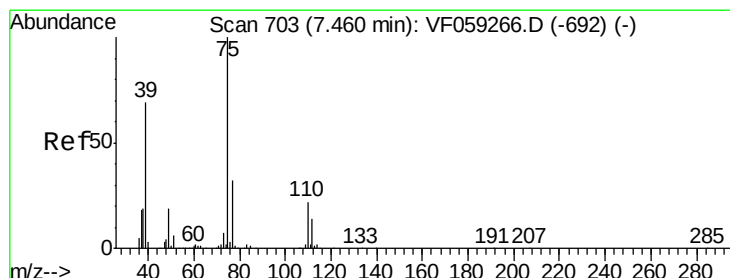
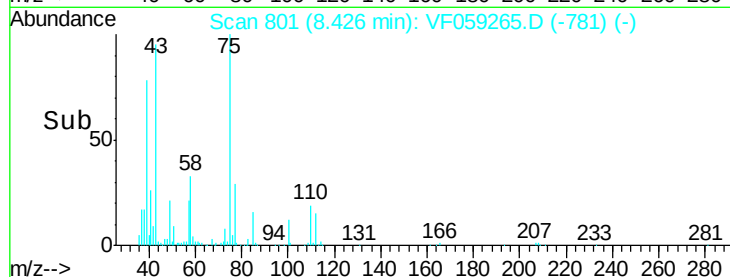
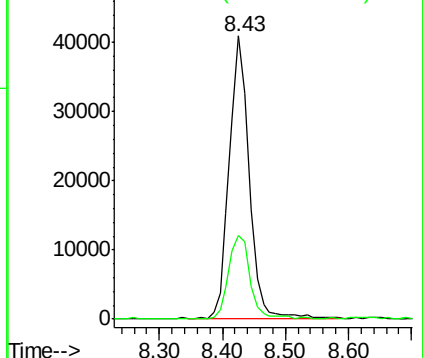
75 100

77 29.4 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.837 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

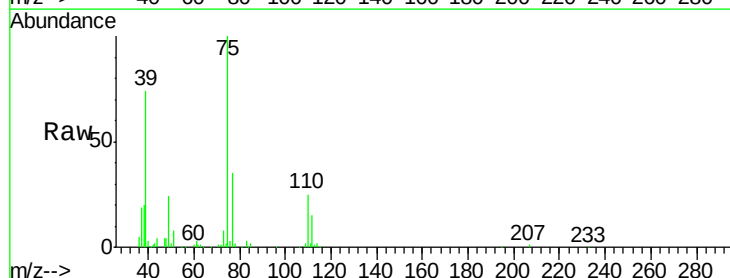
Tgt Ion: 75 Resp: 95432

Ion Ratio Lower Upper

75 100

77 35.2 26.0 39.0

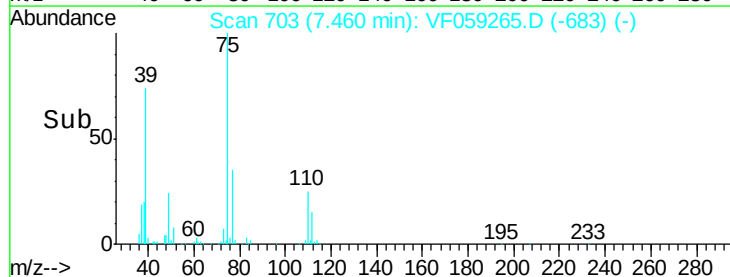
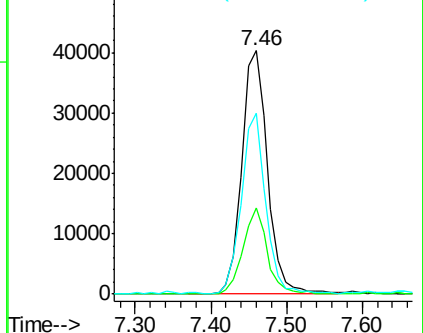
39 74.2 55.5 83.3

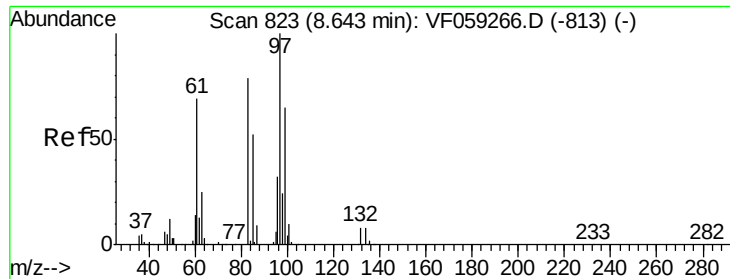


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.570 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 47463

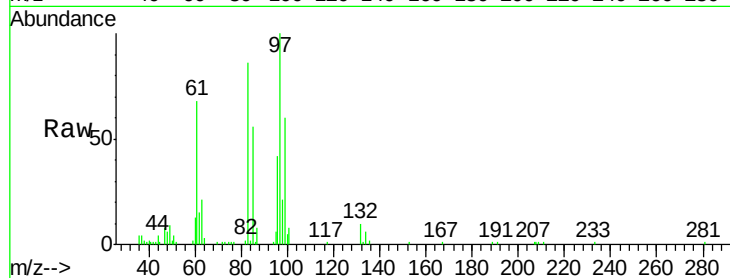
Ion Ratio Lower Upper

97 100

83 85.9 63.2 94.8

85 56.4 41.8 62.6

99 59.6 51.7 77.5

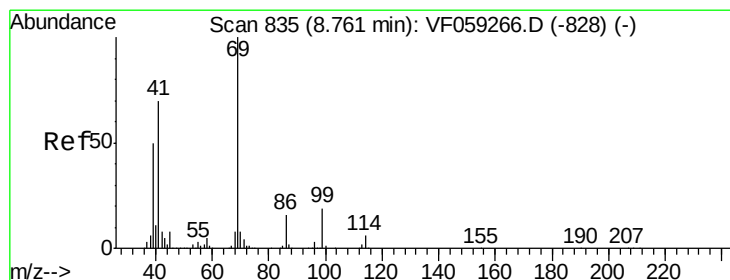
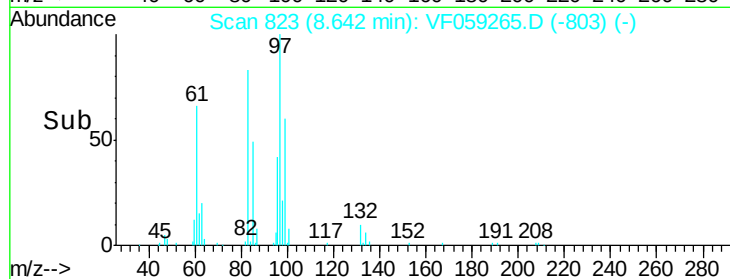
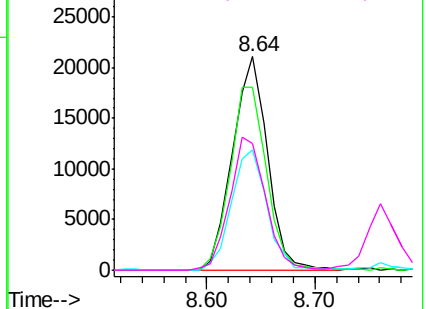


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.468 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

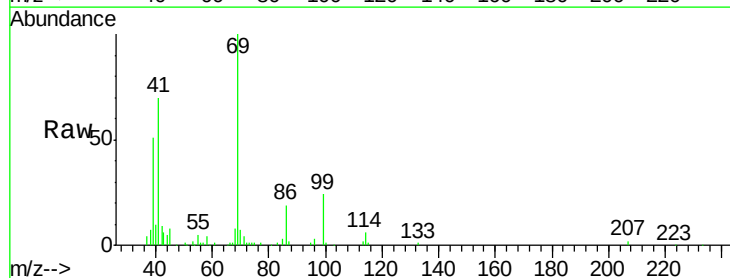
Tgt Ion: 69 Resp: 53696

Ion Ratio Lower Upper

69 100

41 69.9 56.6 85.0

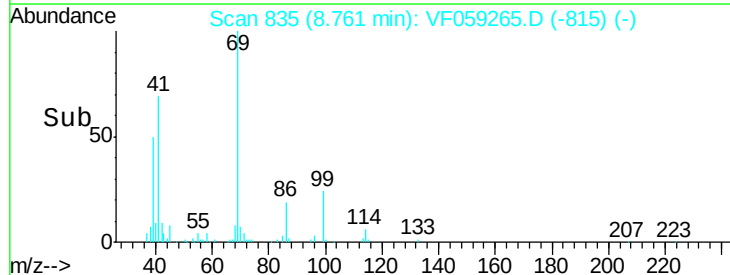
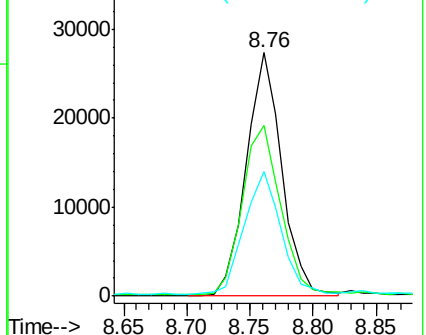
39 51.3 40.5 60.7

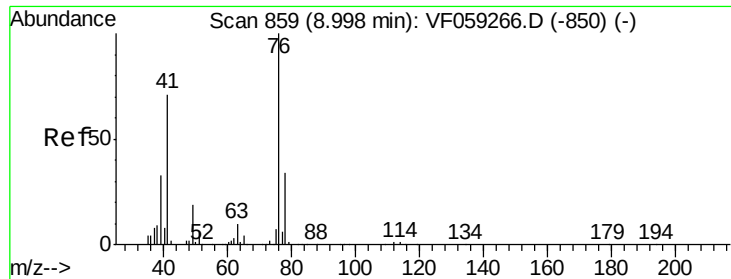


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

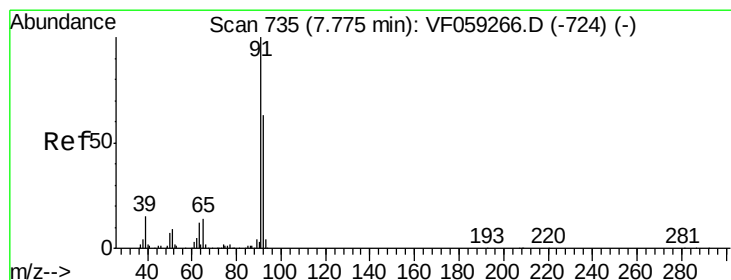
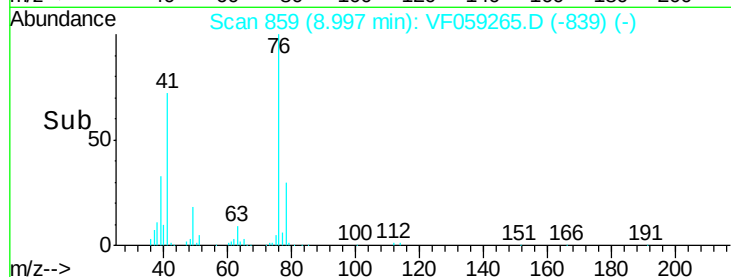
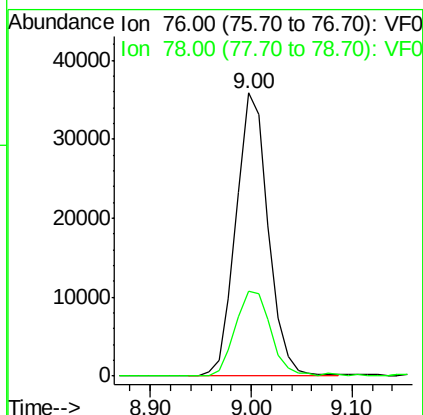
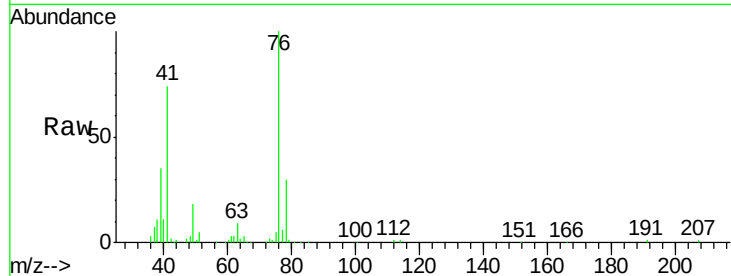




#57
 1,3-Dichloropropane
 Concen: 20.430 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

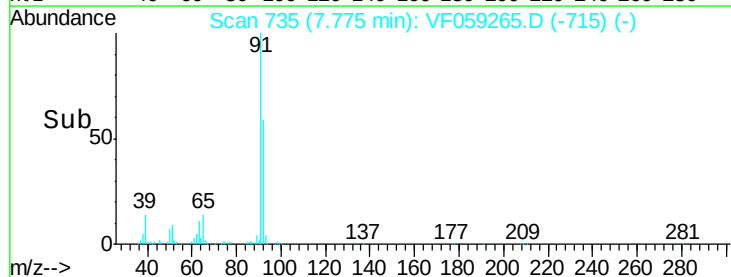
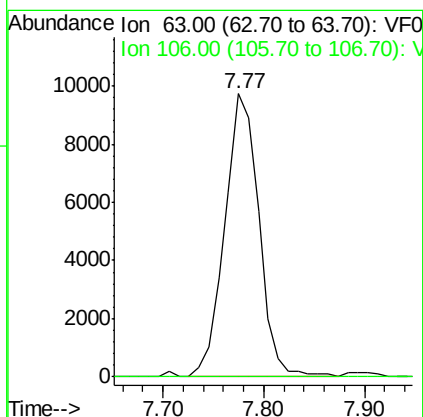
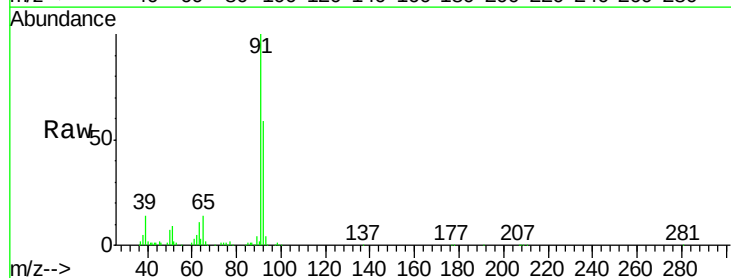
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

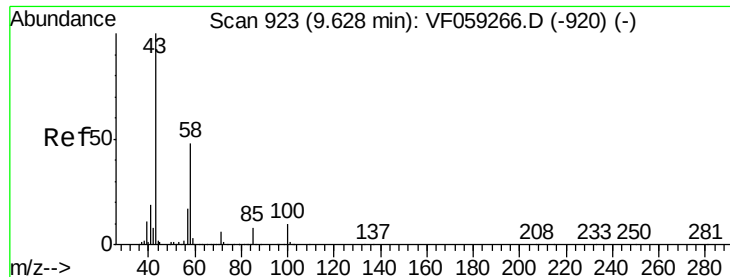
Tgt Ion: 76 Resp: 80032
 Ion Ratio Lower Upper
 76 100
 78 30.1 27.5 41.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.431 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion: 63 Resp: 22965
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

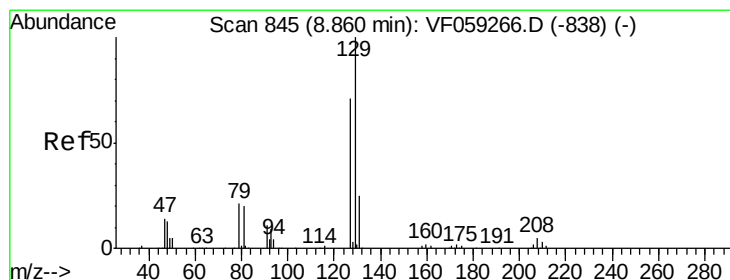
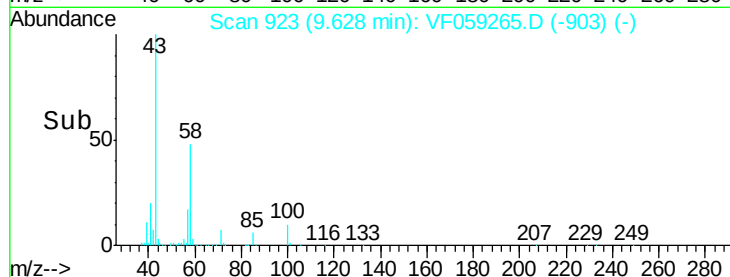
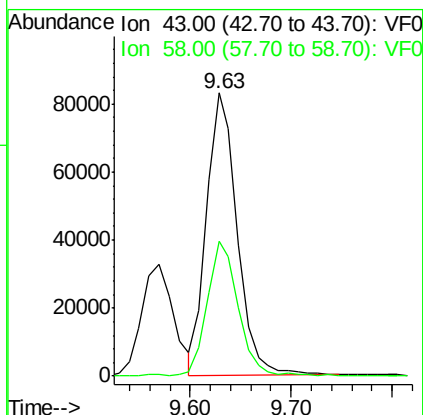
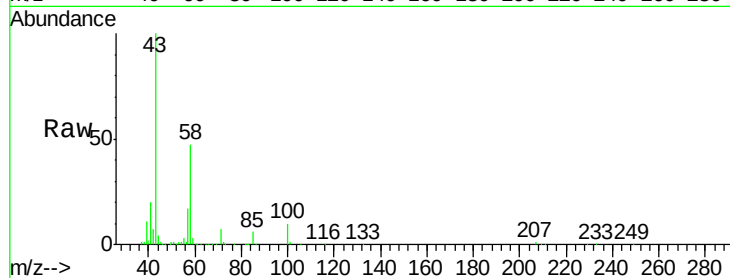




#59
2-Hexanone
Concen: 102.816 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

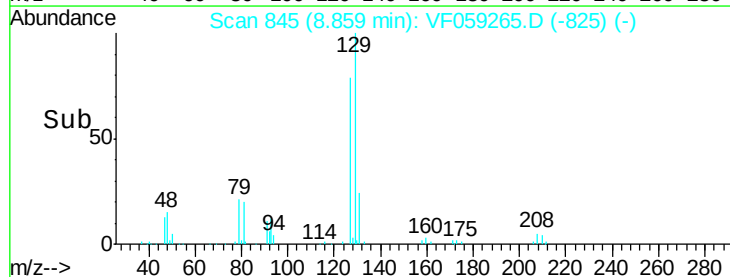
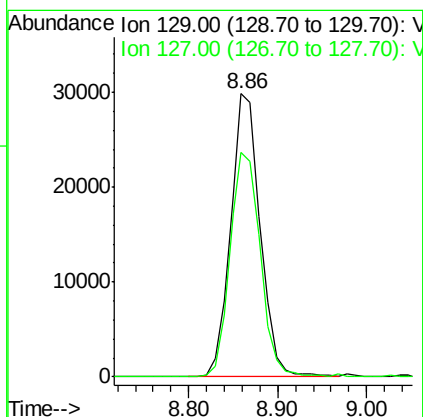
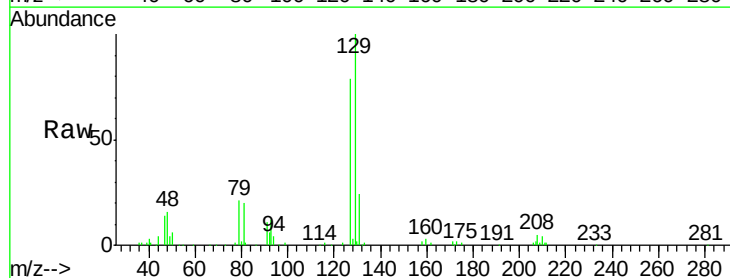
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

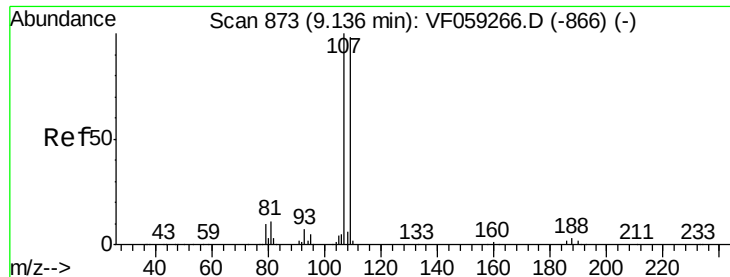
Tgt Ion: 43 Resp: 175749
Ion Ratio Lower Upper
43 100
58 47.4 23.3 69.9



#60
Dibromochloromethane
Concen: 20.687 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion: 129 Resp: 69345
Ion Ratio Lower Upper
129 100
127 79.3 35.4 106.2





#61

1,2-Dibromoethane

Concen: 21.508 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

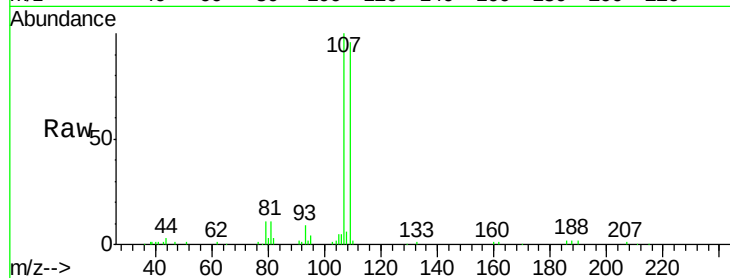
VSTDIC020

Tgt Ion: 107 Resp: 57771

Ion Ratio Lower Upper

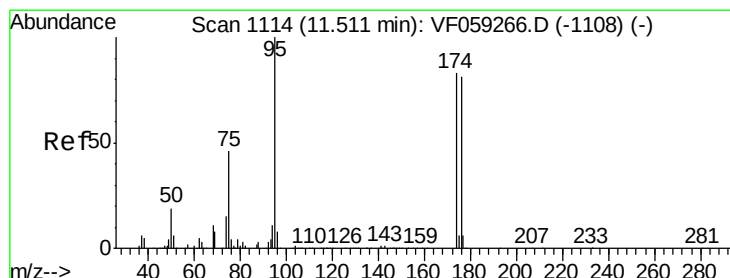
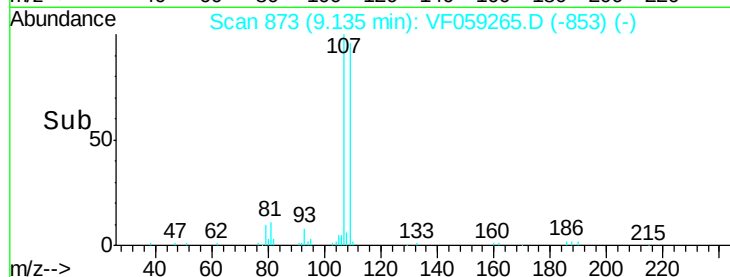
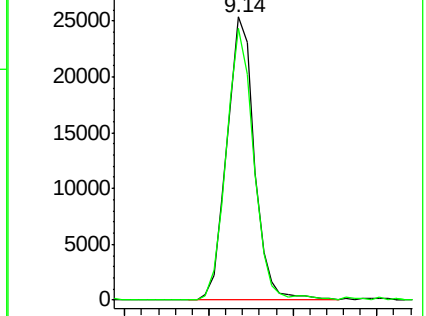
107 100

109 96.0 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 22.416 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

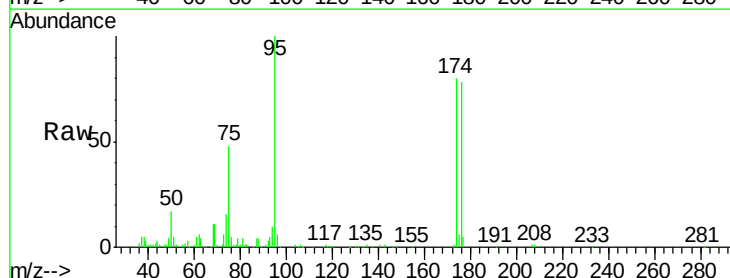
Tgt Ion: 95 Resp: 92656

Ion Ratio Lower Upper

95 100

174 80.1 0.0 166.2

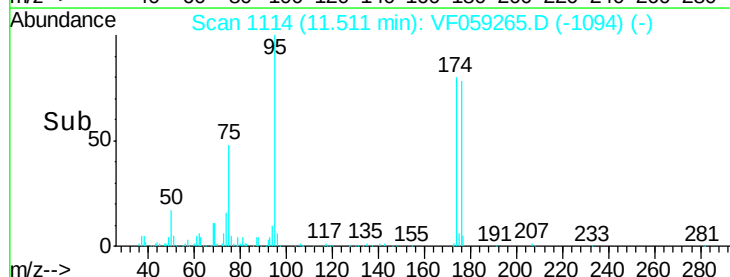
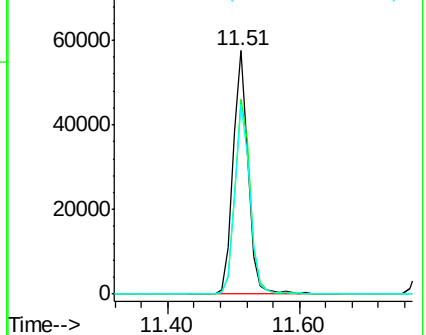
176 78.2 0.0 162.8

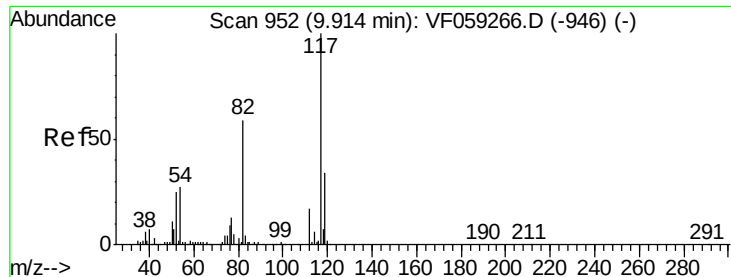


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

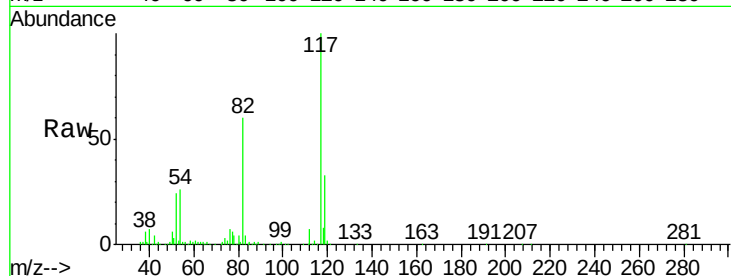
Tgt Ion:117 Resp: 378577

Ion Ratio Lower Upper

117 100

82 59.7 47.1 70.7

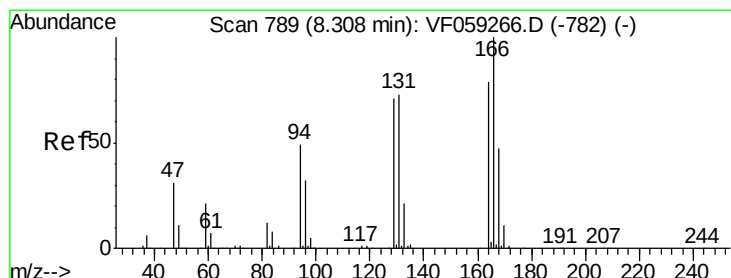
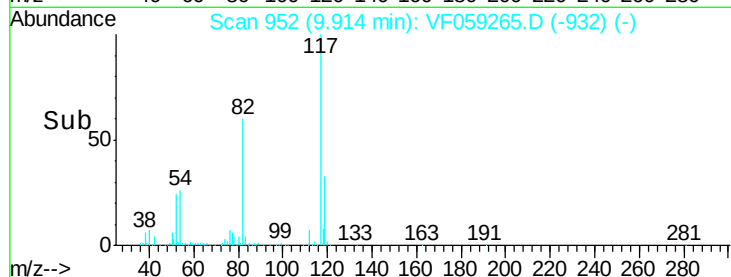
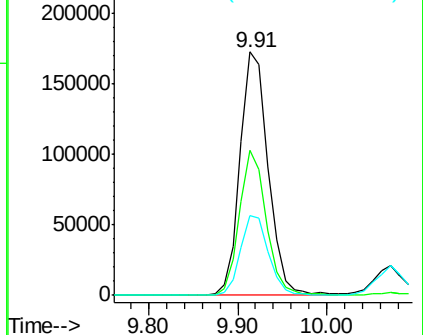
119 32.7 26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 19.548 ug/l

RT: 8.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion:164 Resp: 54665

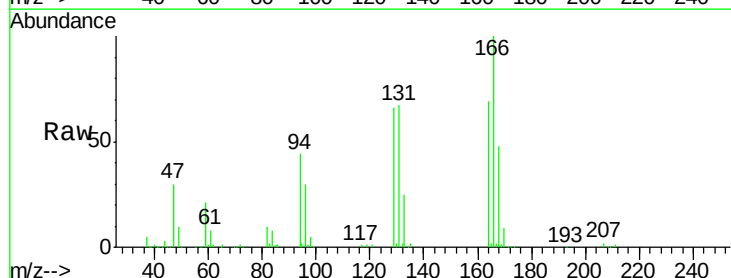
Ion Ratio Lower Upper

164 100

166 145.9 101.4 152.2

129 96.4 72.2 108.4

131 97.1 73.8 110.6

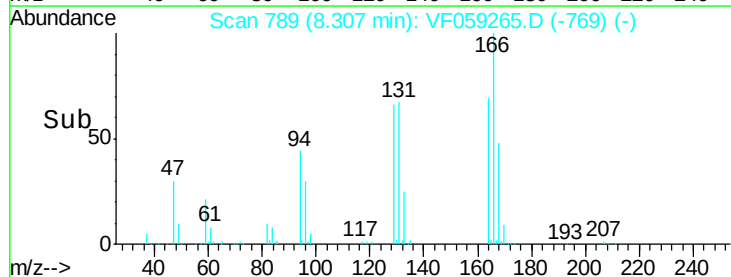
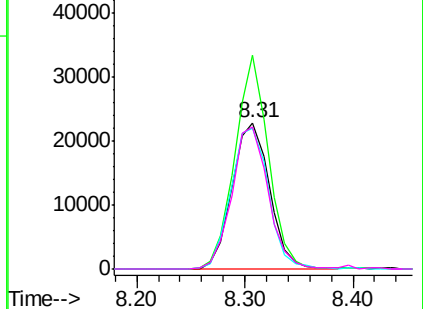


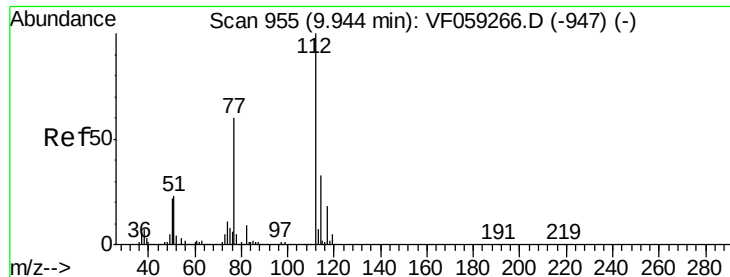
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 20.994 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

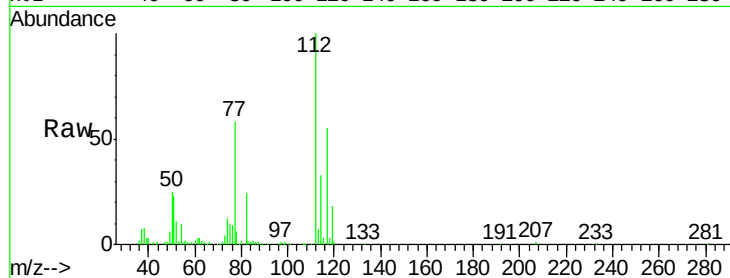
VSTDIC020

Tgt Ion:112 Resp: 159414

Ion Ratio Lower Upper

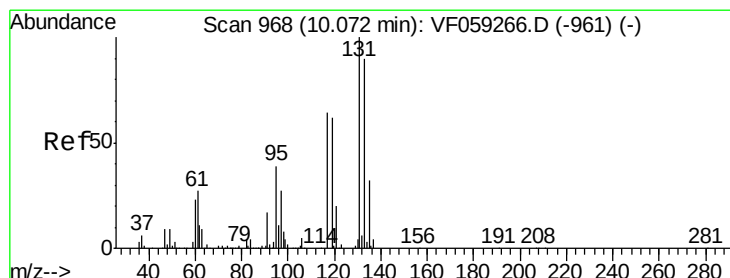
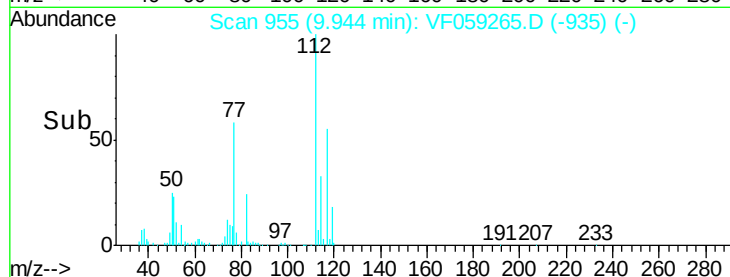
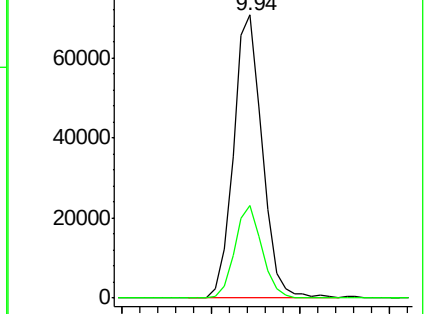
112 100

114 32.9 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.061 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

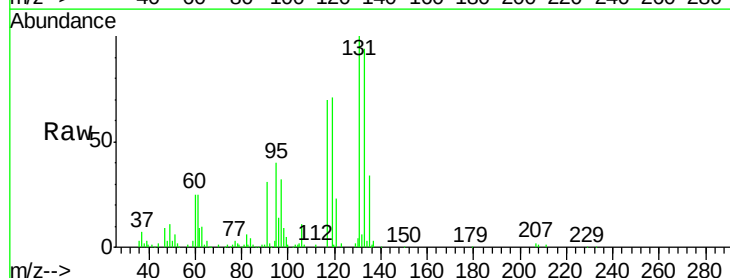
Tgt Ion:131 Resp: 67005

Ion Ratio Lower Upper

131 100

133 93.7 45.1 135.2

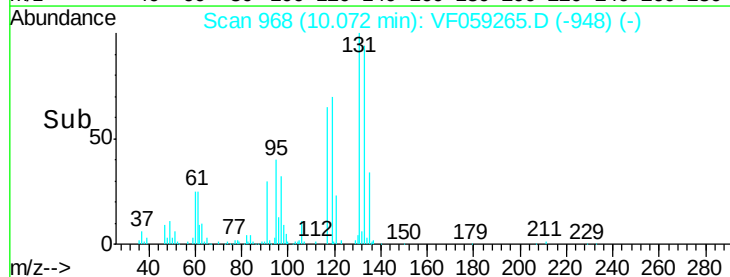
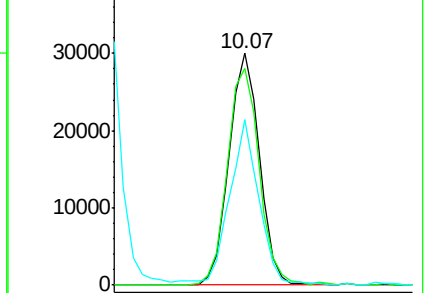
119 71.3 31.2 93.6

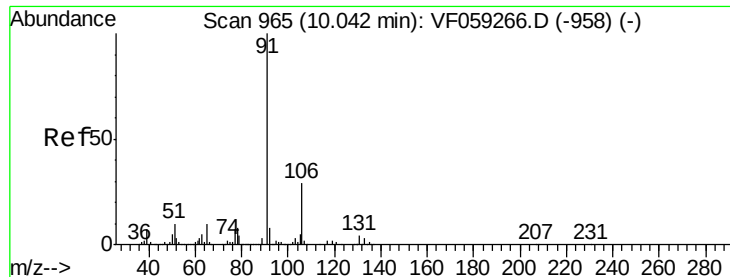


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.645 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

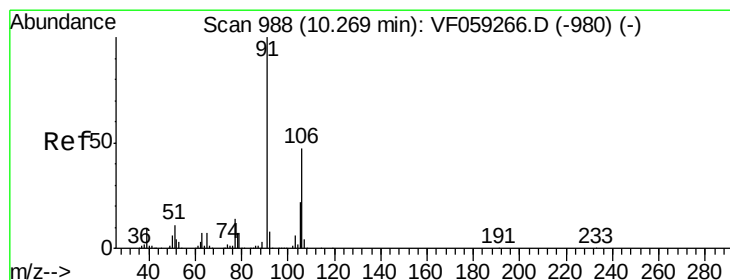
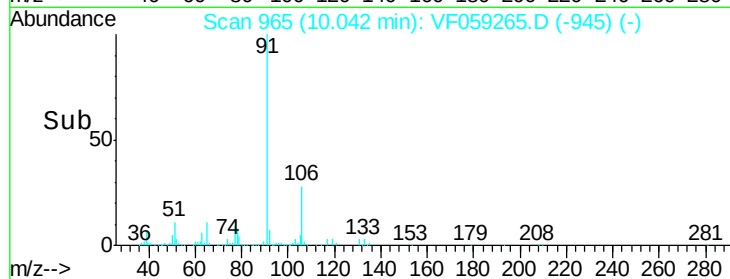
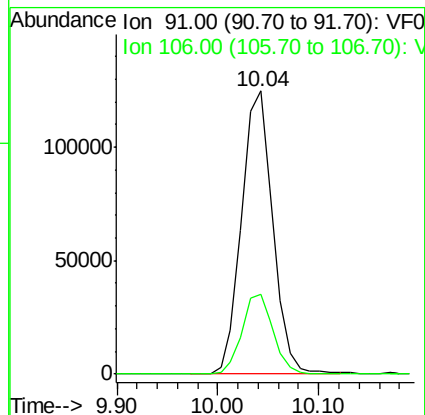
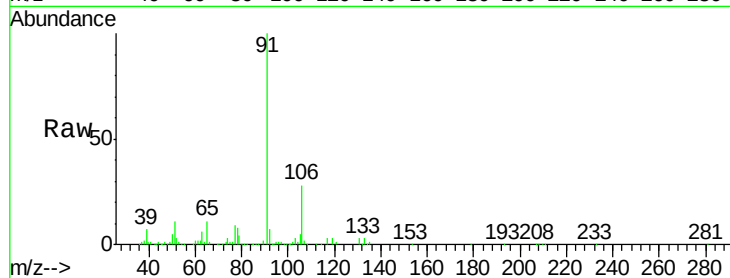
VSTDIC020

Tgt Ion: 91 Resp: 270010

Ion Ratio Lower Upper

91 100

106 28.1 23.4 35.2



#68

m/p-Xylenes

Concen: 39.186 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059265.D

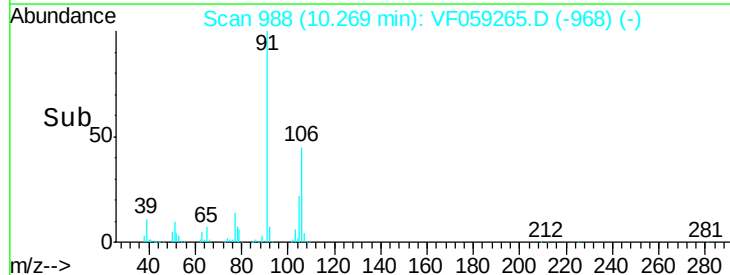
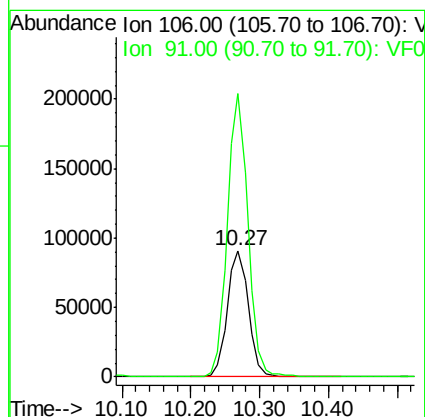
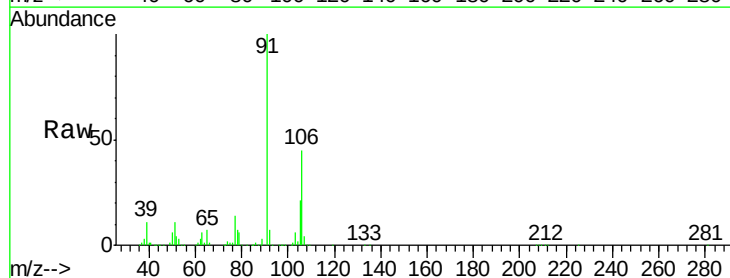
Acq: 21 Jun 2018 16:45

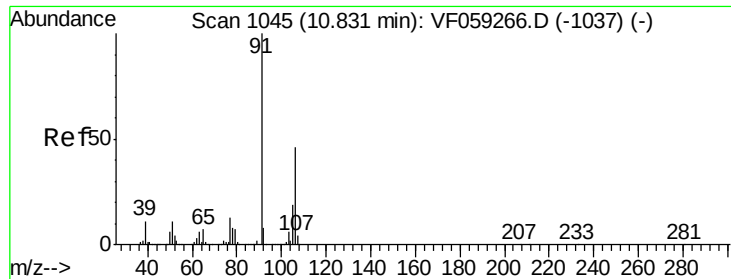
Tgt Ion: 106 Resp: 194549

Ion Ratio Lower Upper

106 100

91 224.1 168.8 253.2

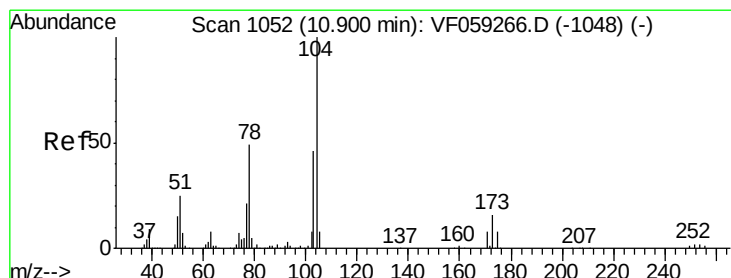
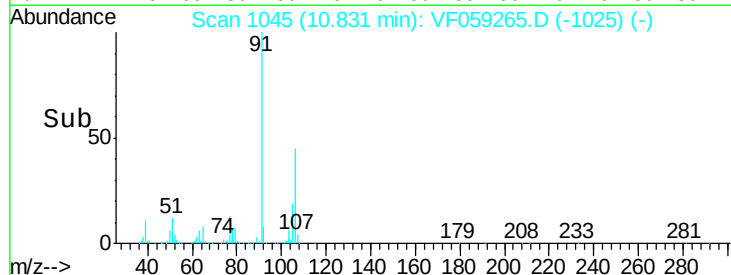
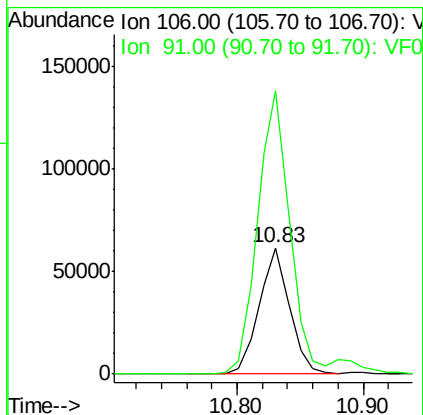
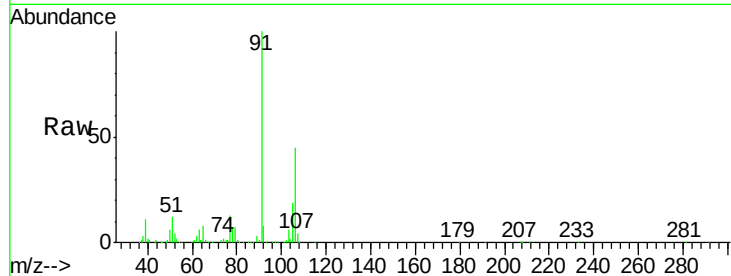




#69
o-Xylene
Concen: 19.484 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

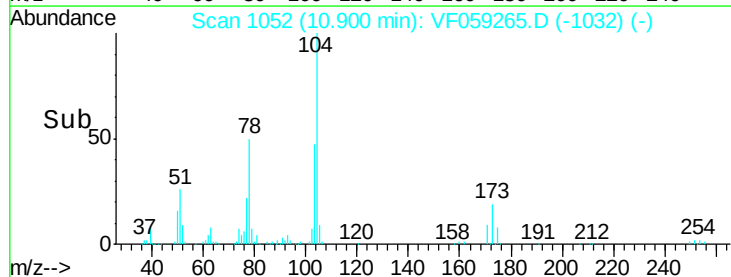
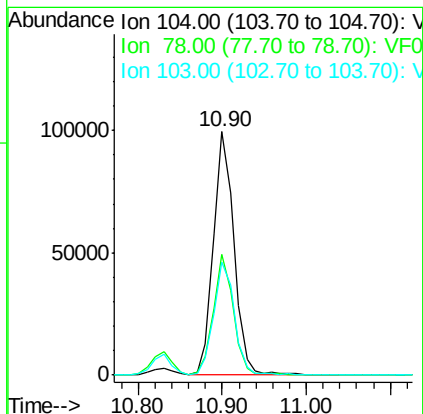
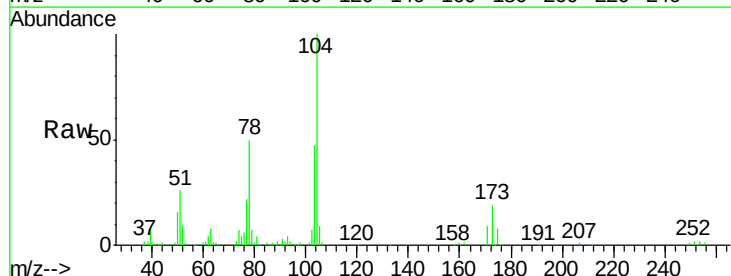
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

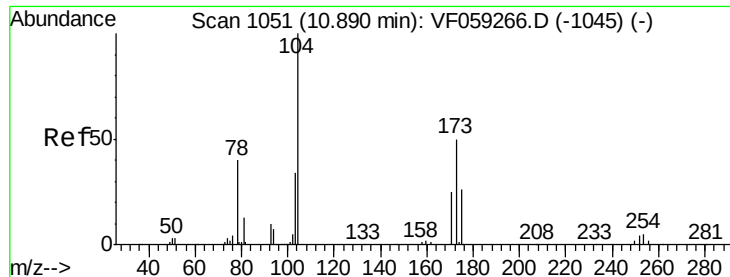
Tgt Ion:106 Resp: 104054
Ion Ratio Lower Upper
106 100
91 224.5 109.1 327.4



#70
Styrene
Concen: 21.009 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion:104 Resp: 168776
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 46.6 36.6 55.0

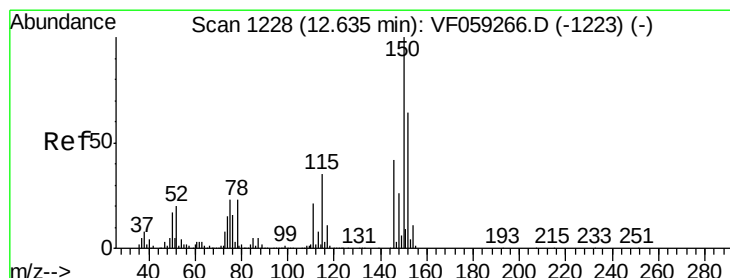
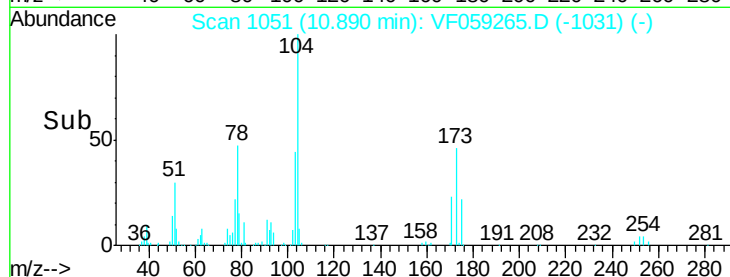
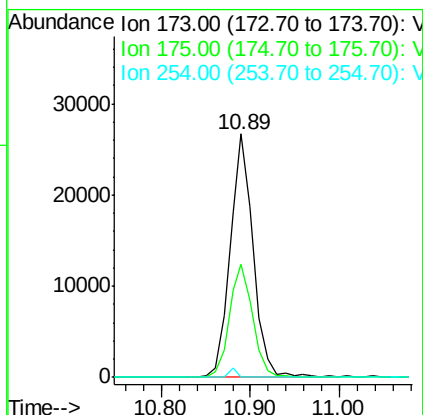
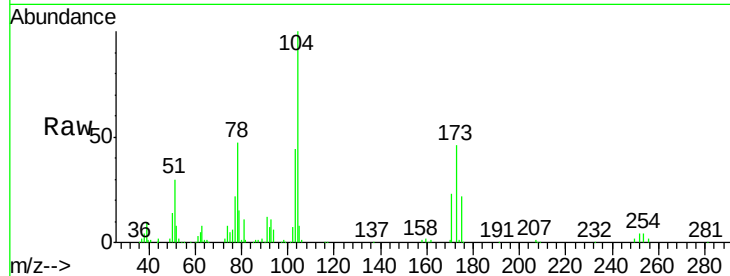




#71
Bromoform
Concen: 23.117 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

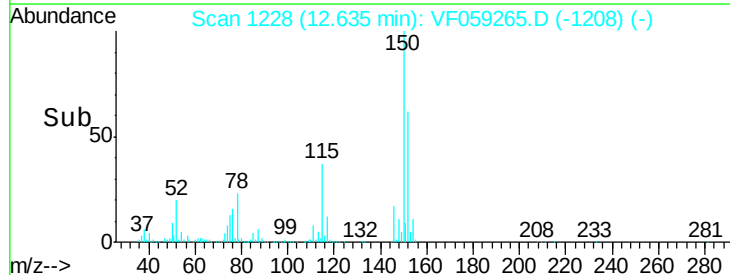
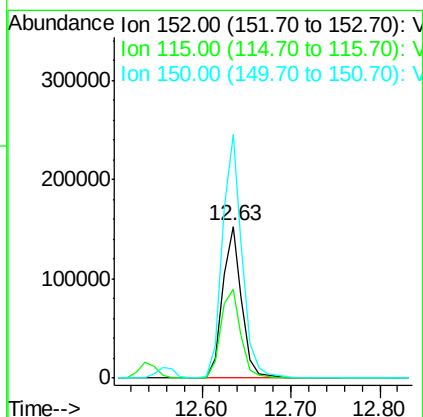
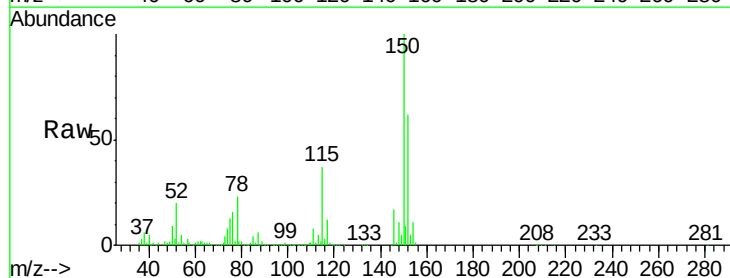
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

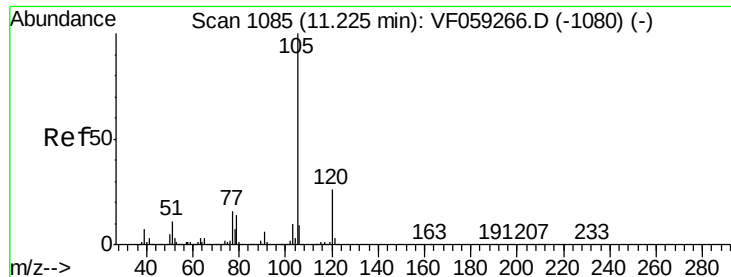
Tgt Ion:173 Resp: 48331
Ion Ratio Lower Upper
173 100
175 46.6 25.4 76.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion:152 Resp: 231102
Ion Ratio Lower Upper
152 100
115 58.9 27.8 83.3
150 160.7 0.0 313.8





#73

Isopropylbenzene

Concen: 19.741 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

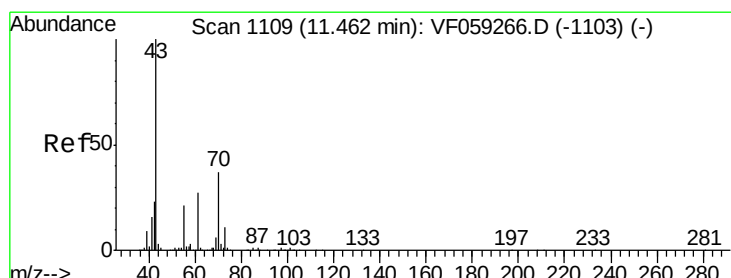
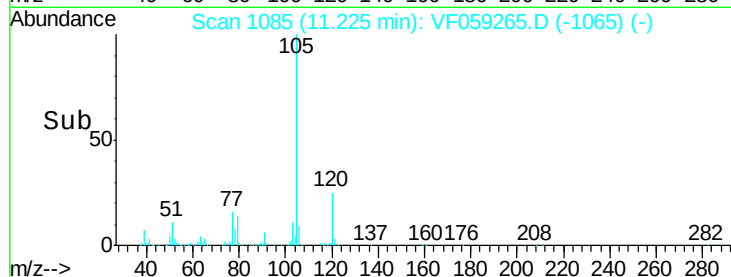
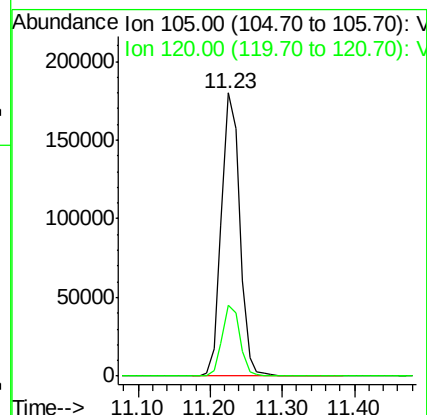
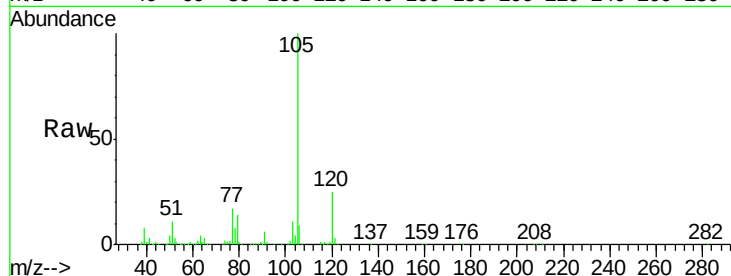
VSTDIC020

Tgt Ion: 105 Resp: 315606

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.7



#74

N-ethyl acetate

Concen: 18.798 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Tgt Ion: 43 Resp: 106563

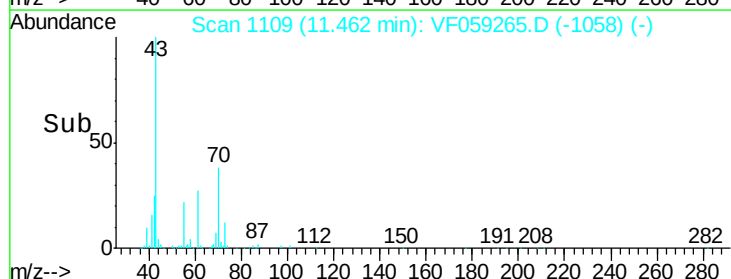
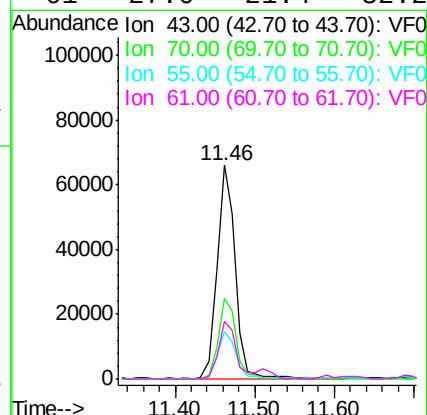
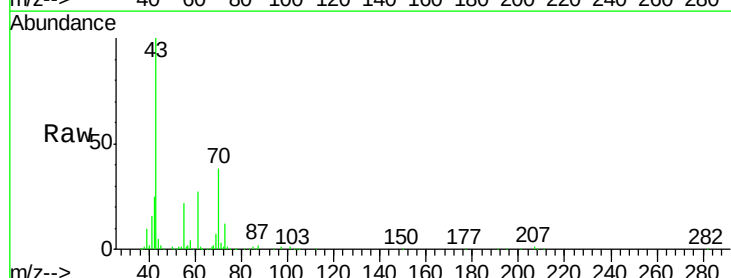
Ion Ratio Lower Upper

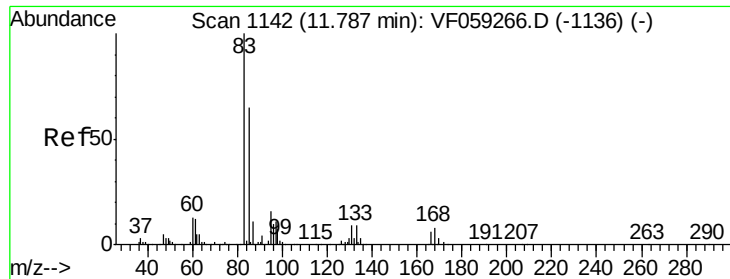
43 100

70 37.7 29.6 44.4

55 21.9 17.0 25.4

61 27.0 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.351 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

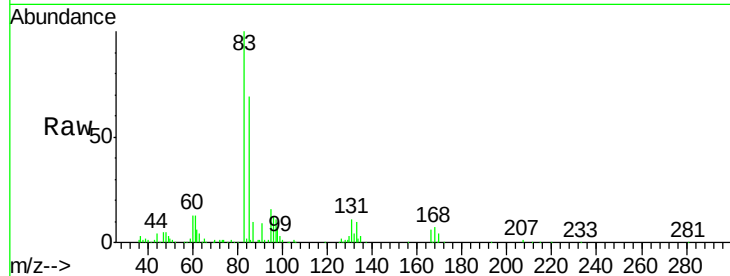
Tgt Ion: 83 Resp: 77148

Ion Ratio Lower Upper

83 100

131 10.8 4.8 14.3

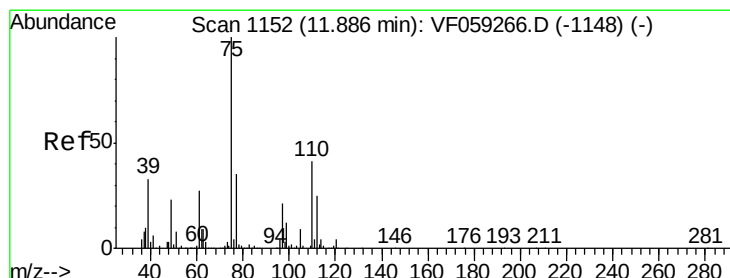
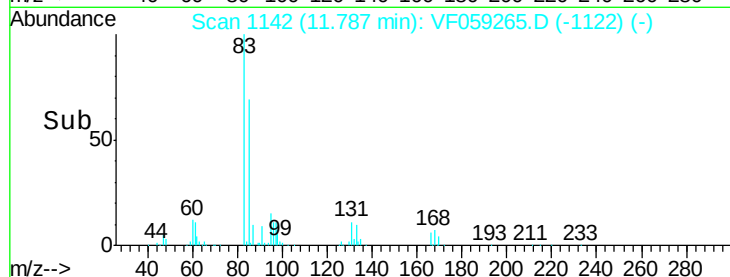
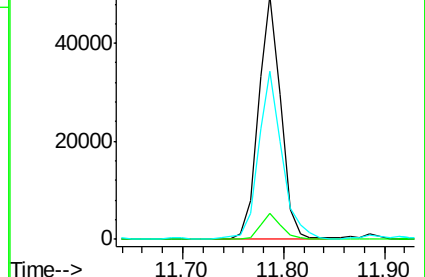
85 68.8 32.4 97.2



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: 19.904 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059265.D

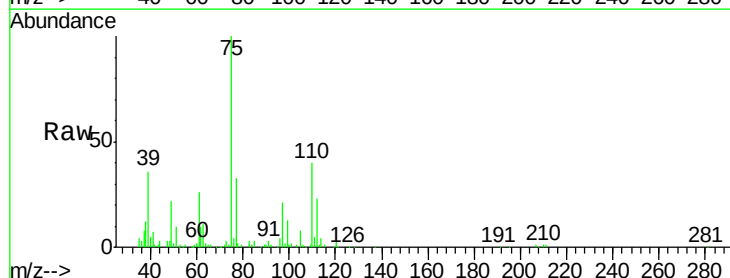
Acq: 21 Jun 2018 16:45

Tgt Ion: 75 Resp: 55852

Ion Ratio Lower Upper

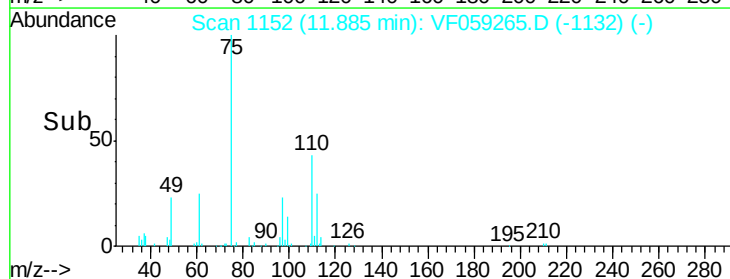
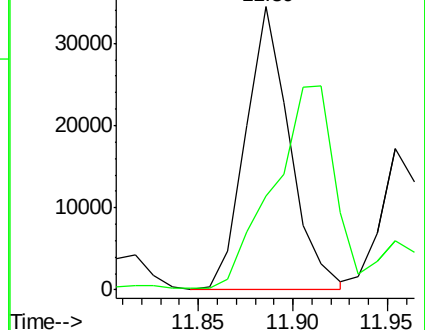
75 100

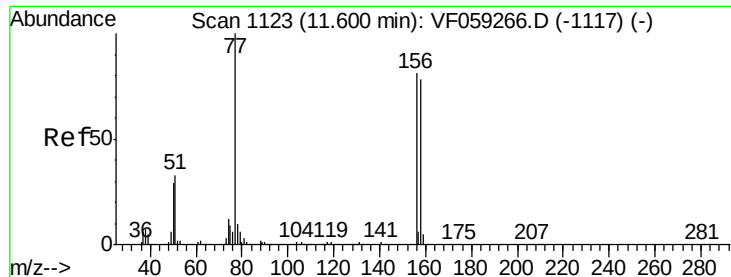
77 33.4 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.170 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

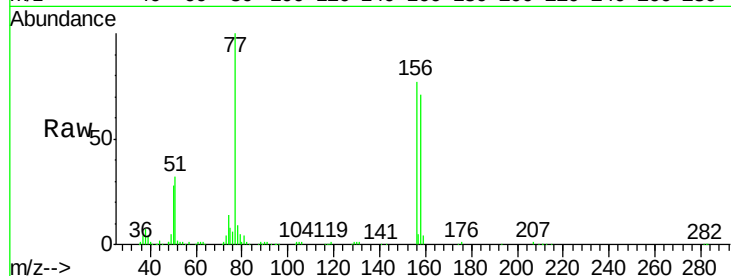
Tgt Ion:156 Resp: 86296

Ion Ratio Lower Upper

156 100

77 130.7 61.7 185.0

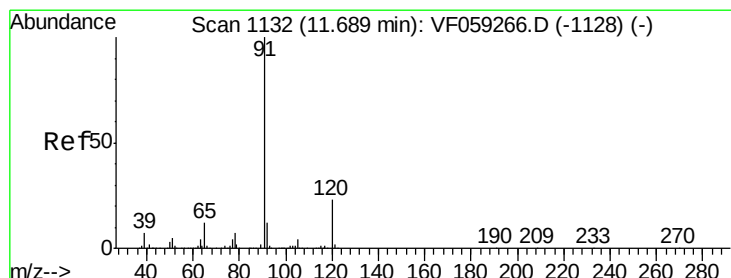
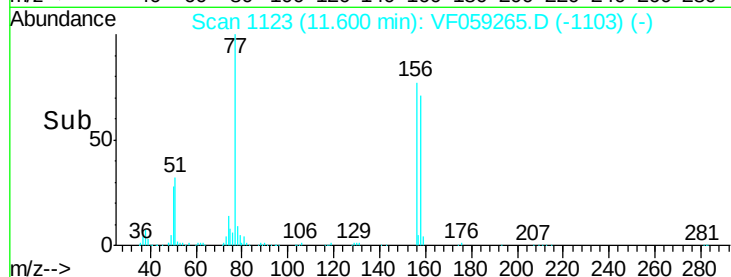
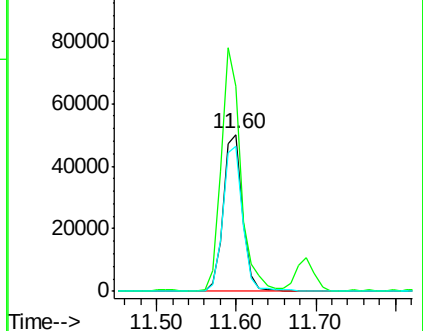
158 92.3 48.2 144.6



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: 20.340 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059265.D

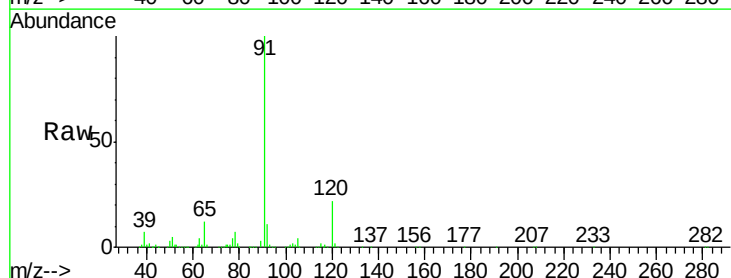
Acq: 21 Jun 2018 16:45

Tgt Ion: 91 Resp: 385117

Ion Ratio Lower Upper

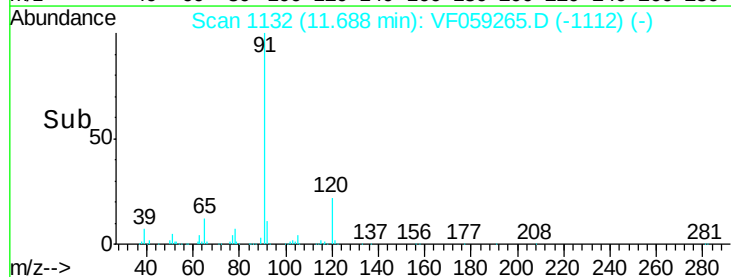
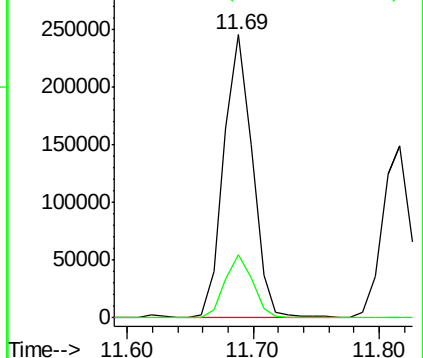
91 100

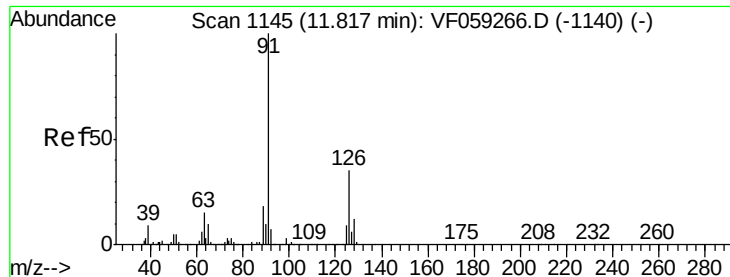
120 22.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.766 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

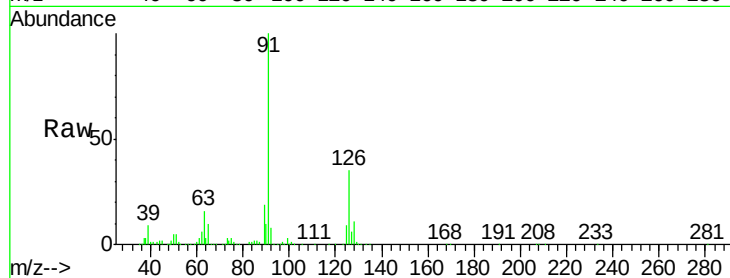
VSTDIC020

Tgt Ion: 91 Resp: 233157

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

150000

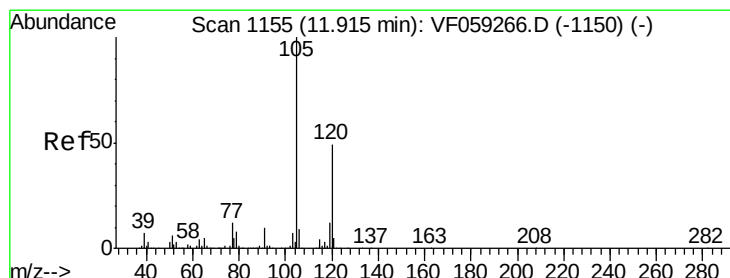
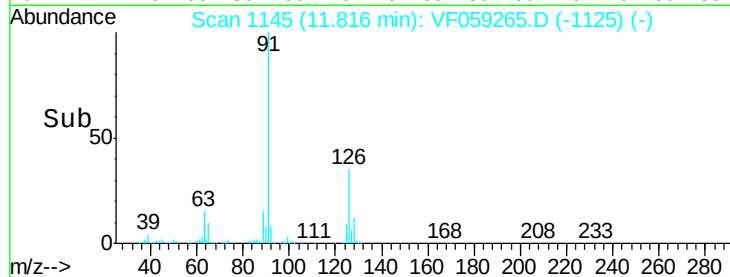
100000

50000

0

11.75 11.80 11.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.111 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059265.D

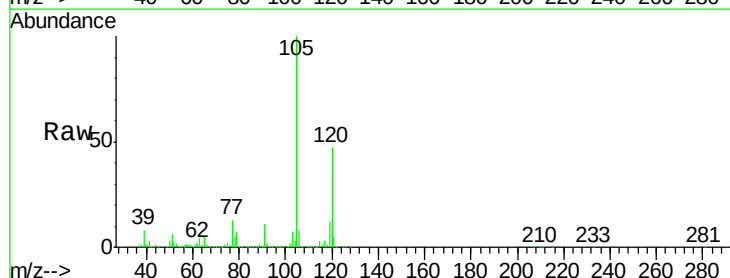
Acq: 21 Jun 2018 16:45

Tgt Ion: 105 Resp: 280853

Ion Ratio Lower Upper

105 100

120 47.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

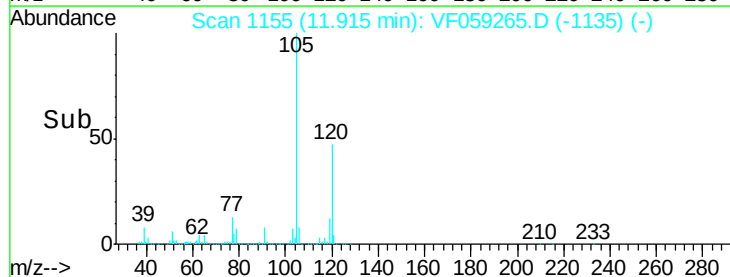
100000

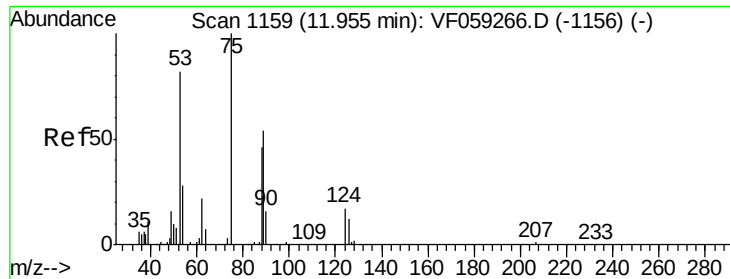
50000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.959 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

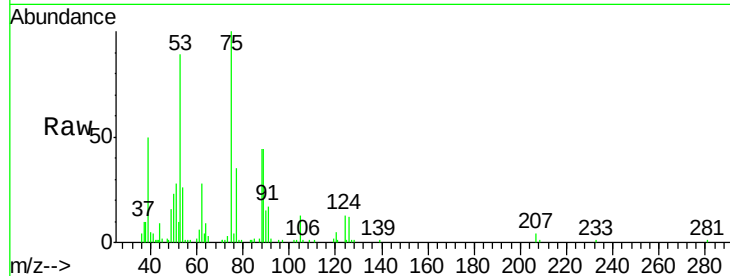
Tgt Ion: 75 Resp: 34645

Ion Ratio Lower Upper

75 100

53 88.9 70.2 105.2

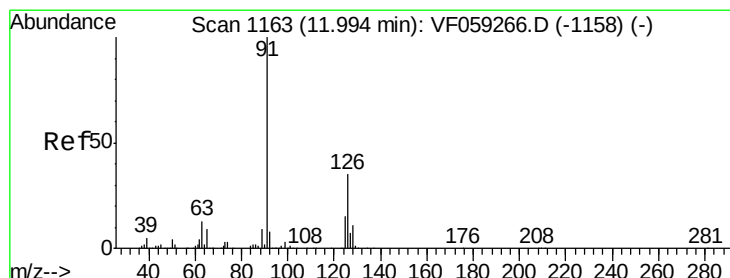
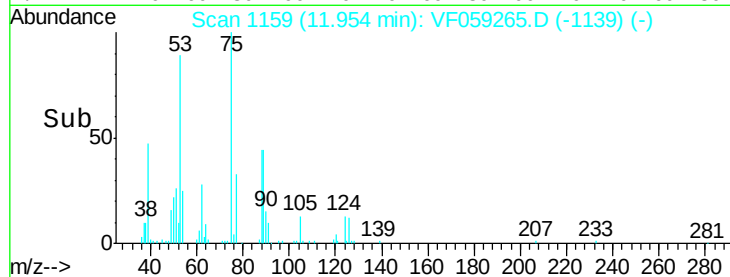
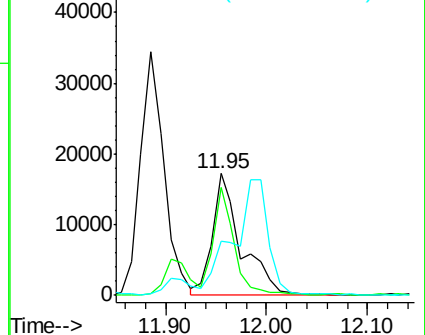
89 44.3 45.3 67.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.628 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF059265.D

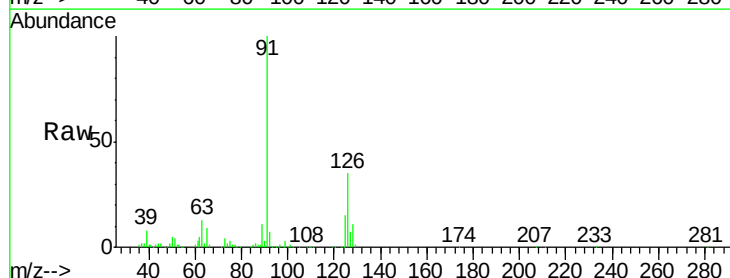
Acq: 21 Jun 2018 16:45

Tgt Ion: 91 Resp: 246854

Ion Ratio Lower Upper

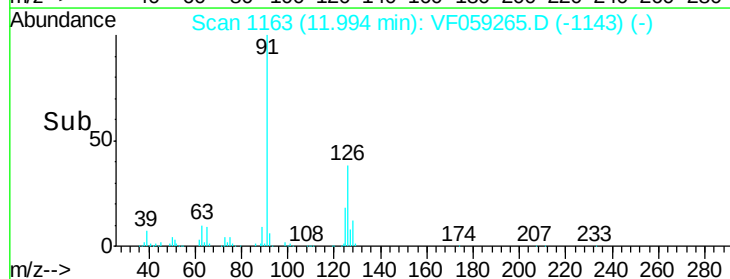
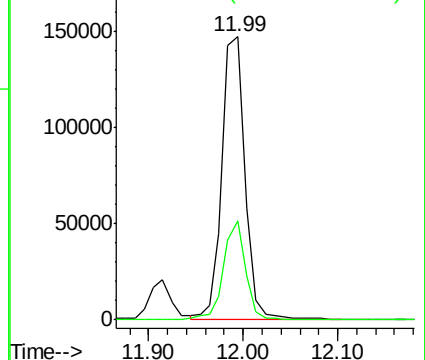
91 100

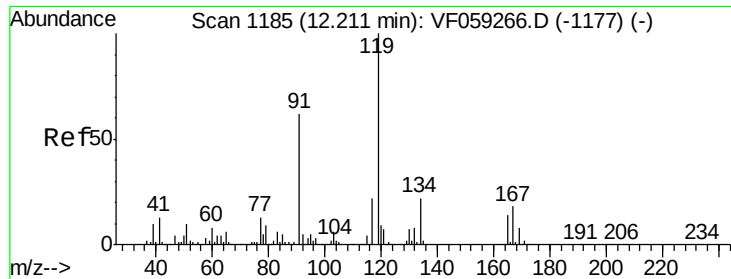
126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

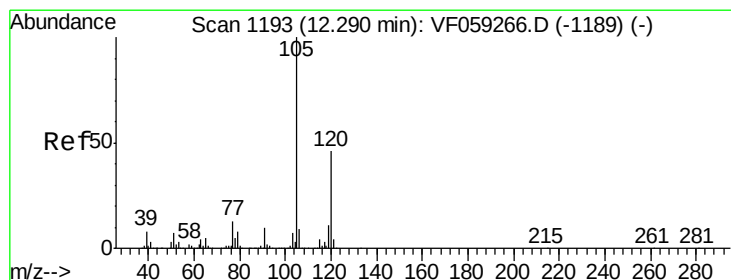
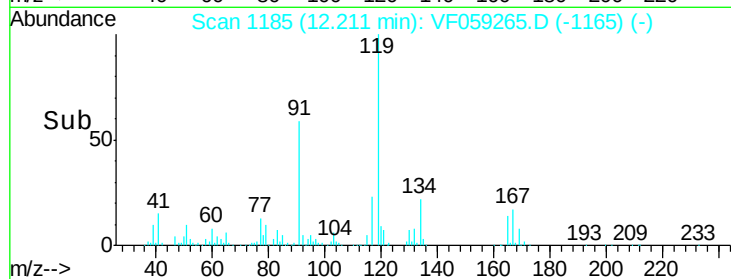
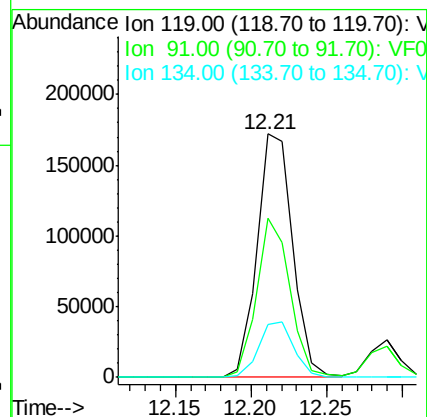
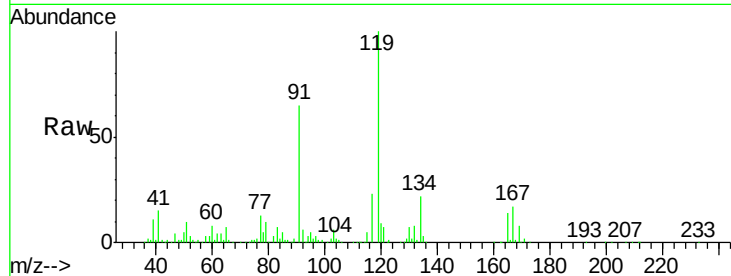




#83
 tert-Butylbenzene
 Concen: 21.400 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

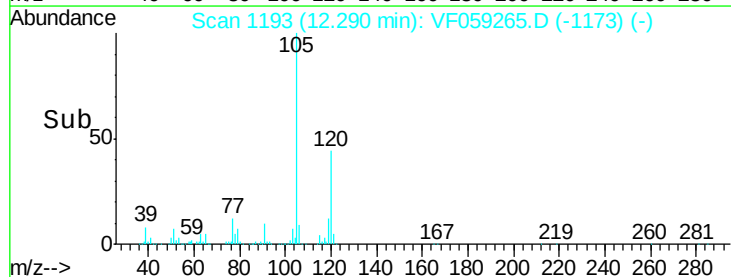
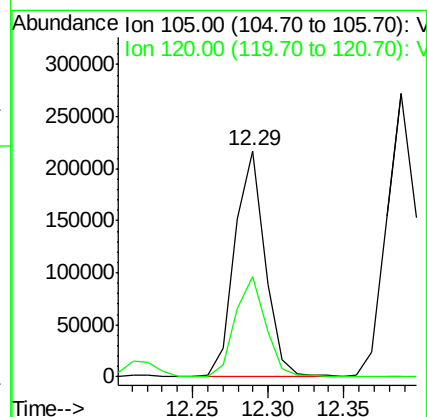
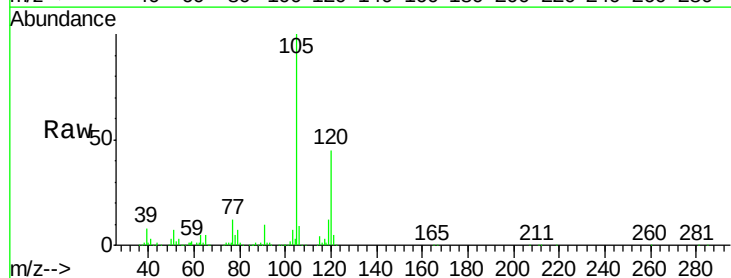
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

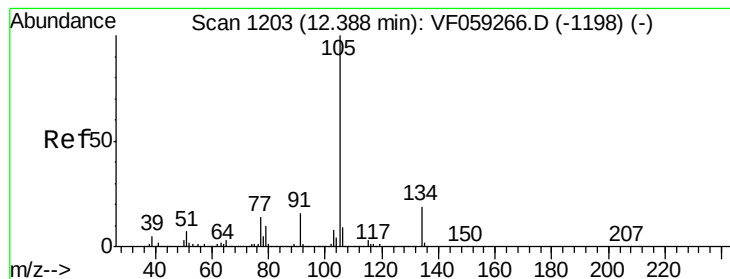
Tgt Ion:119 Resp: 284035
 Ion Ratio Lower Upper
 119 100
 91 65.4 31.3 93.8
 134 21.7 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.009 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion:105 Resp: 301567
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.324 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

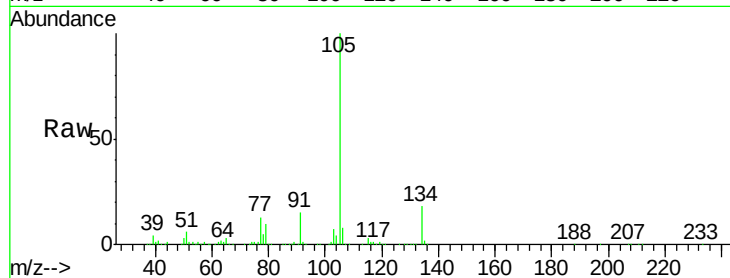
VSTDIC020

Tgt Ion:105 Resp: 381262

Ion Ratio Lower Upper

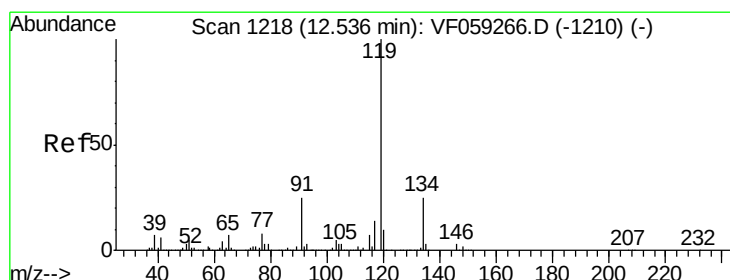
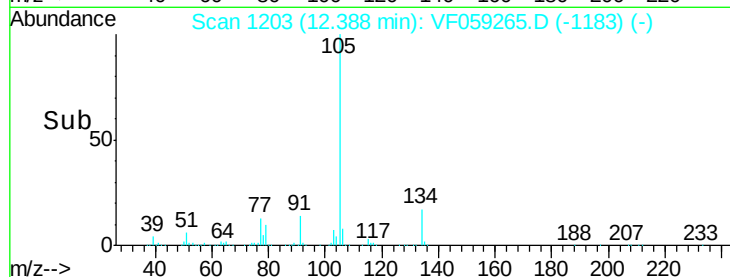
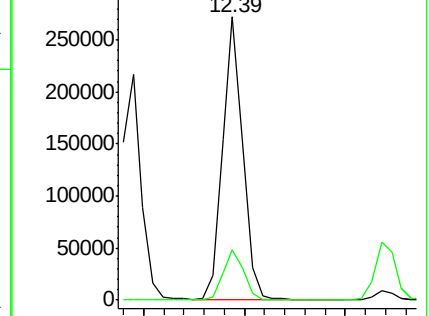
105 100

134 17.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.256 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

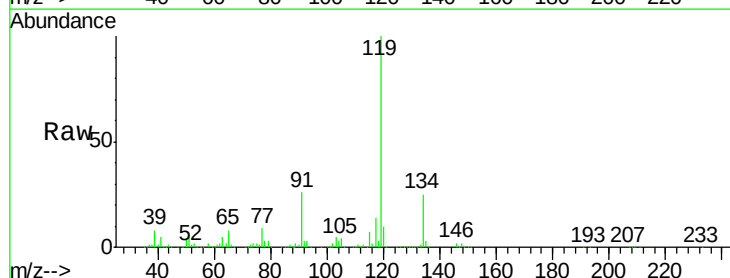
Tgt Ion:119 Resp: 313002

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

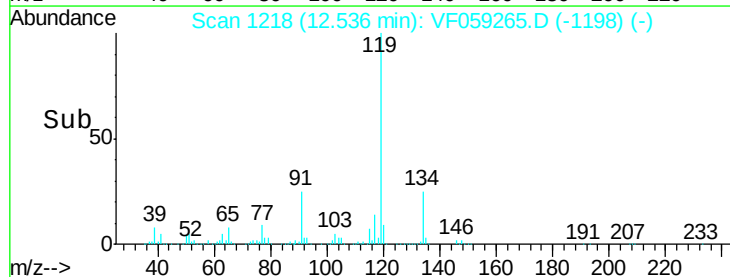
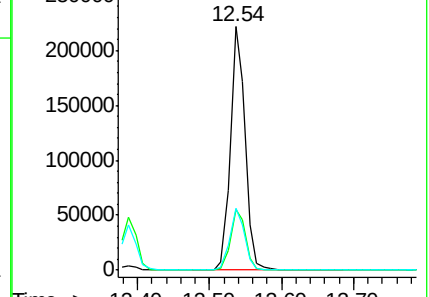
91 25.6 12.6 37.8

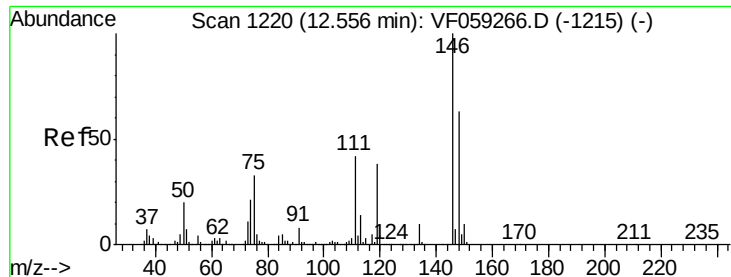


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

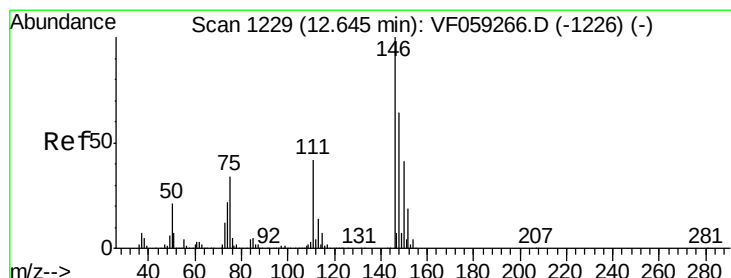
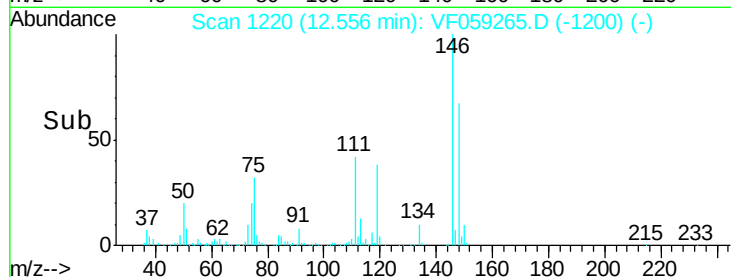
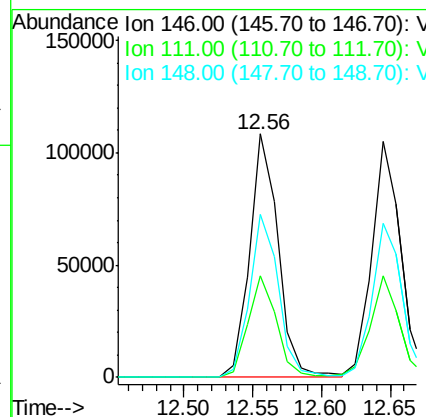
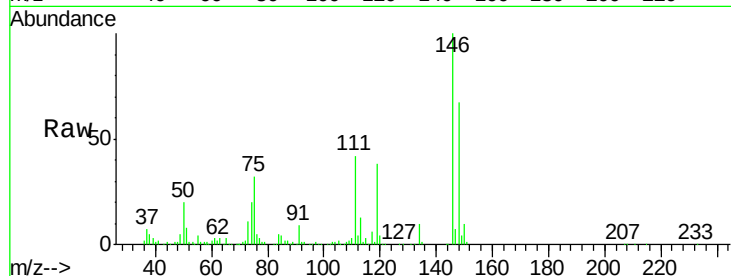




#87
 1,3-Dichlorobenzene
 Concen: 21.024 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

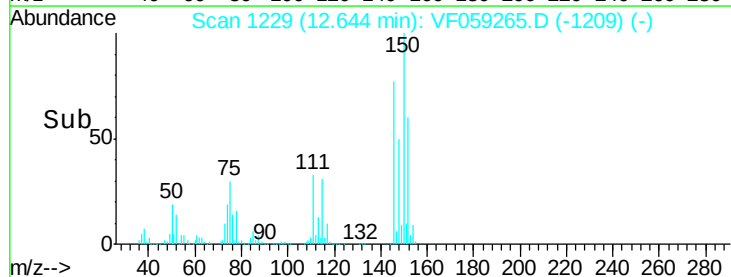
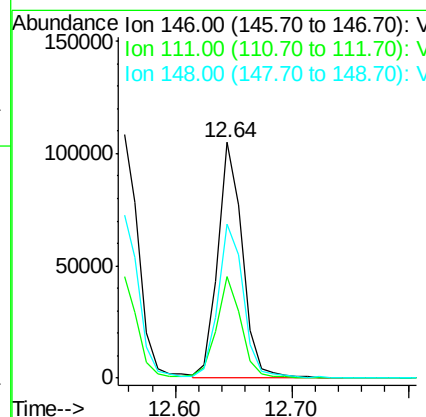
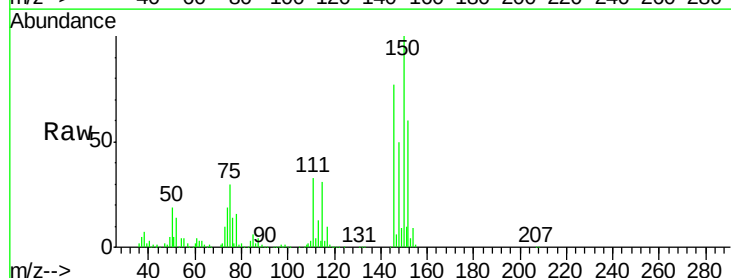
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

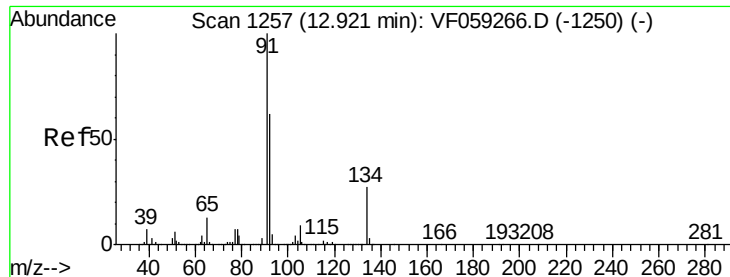
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	66.9	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.332 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	65.4	32.0	96.2





#89

n-Butylbenzene

Concen: 22.000 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

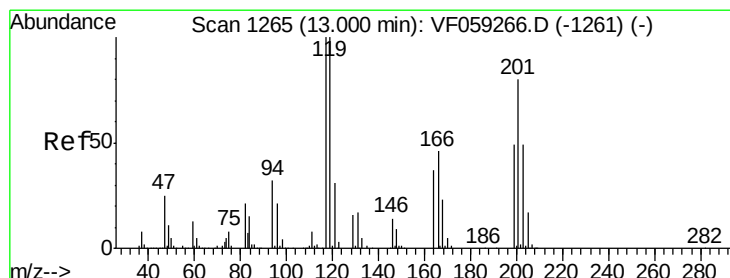
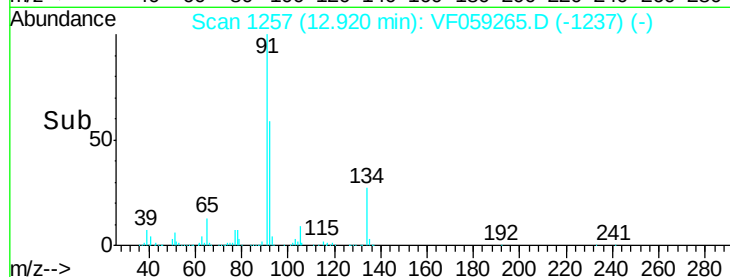
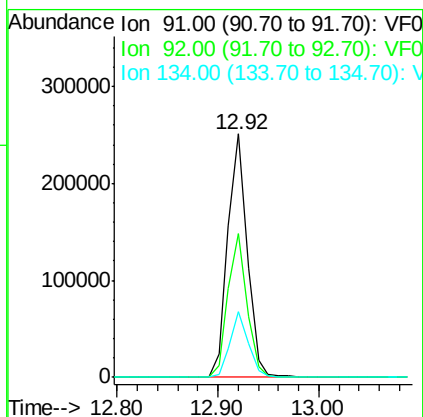
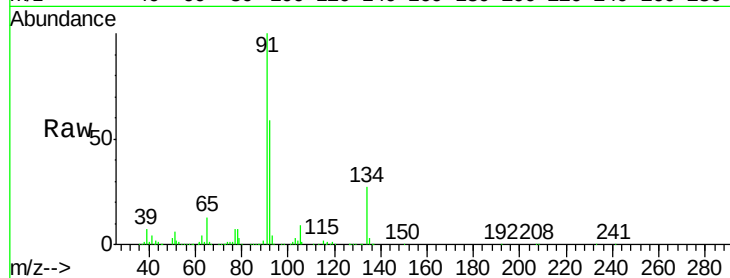
Tgt Ion: 91 Resp: 336818

Ion Ratio Lower Upper

91 100

92 59.2 31.2 93.6

134 26.8 13.4 40.1



#90

Hexachloroethane

Concen: 21.413 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF059265.D

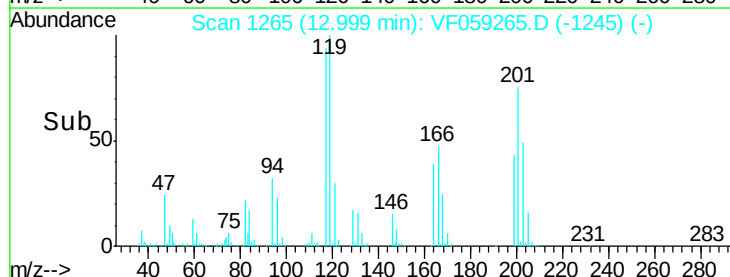
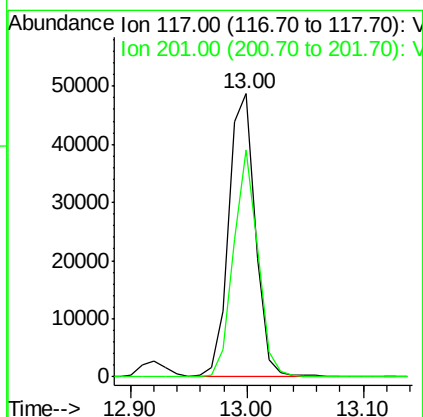
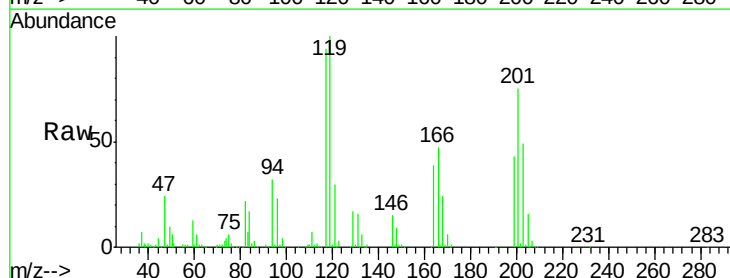
Acq: 21 Jun 2018 16:45

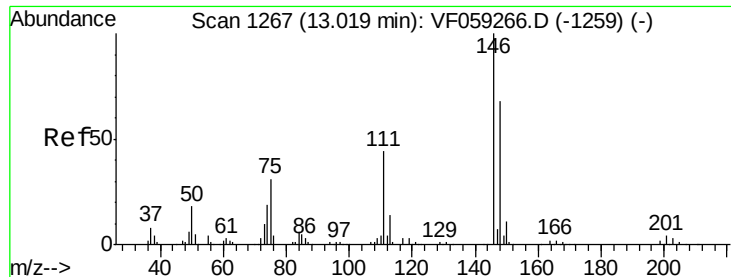
Tgt Ion: 117 Resp: 77479

Ion Ratio Lower Upper

117 100

201 80.1 39.8 119.3

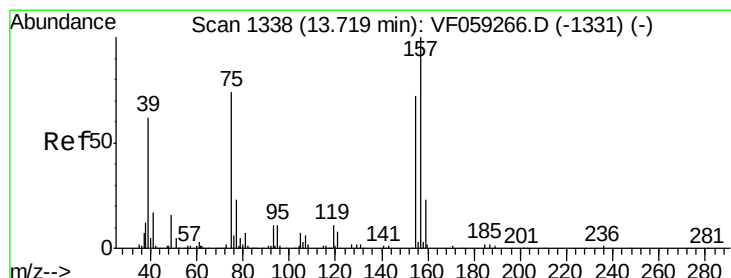
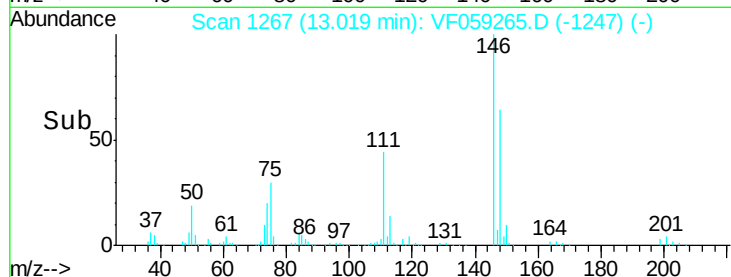
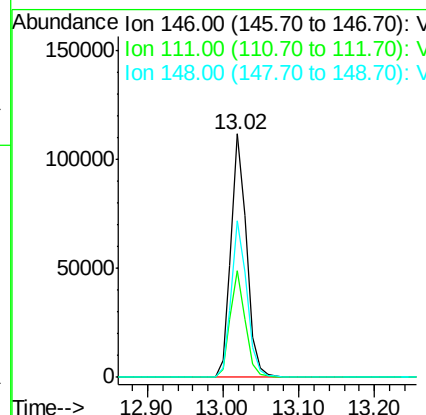
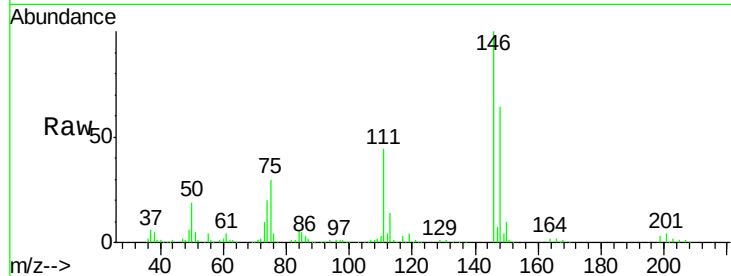




#91
 1,2-Dichlorobenzene
 Concen: 22.304 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

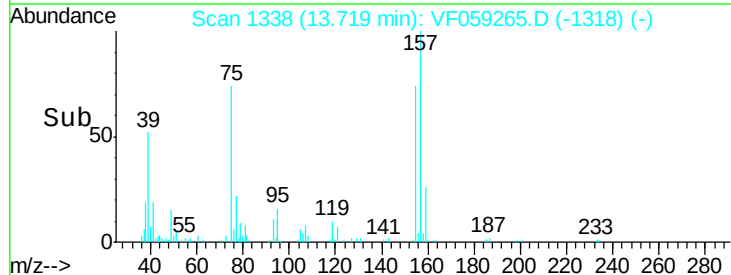
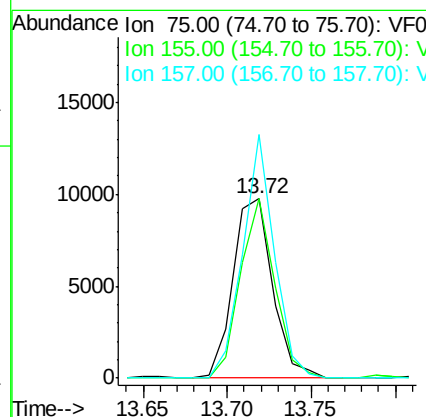
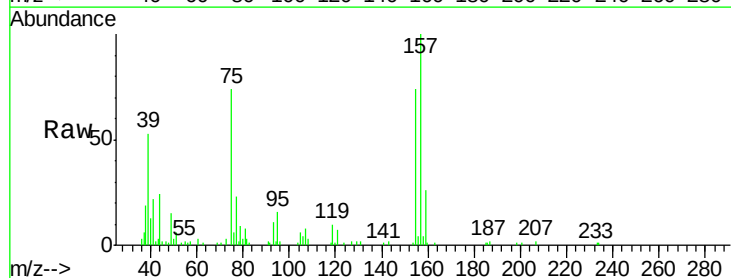
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

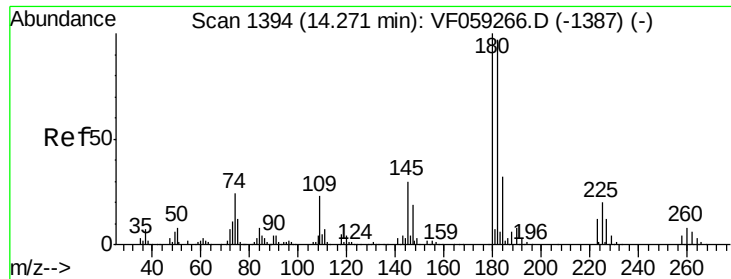
Tgt Ion:146 Resp: 161009
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.1 66.3
 148 64.2 34.0 102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.114 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059265.D
 Acq: 21 Jun 2018 16:45

Tgt Ion: 75 Resp: 15957
 Ion Ratio Lower Upper
 75 100
 155 105.4 48.3 144.9
 157 135.8 67.2 201.6

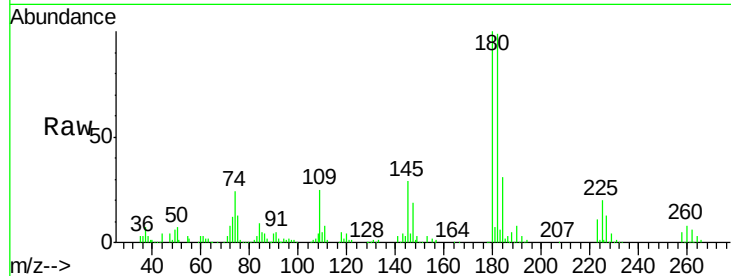




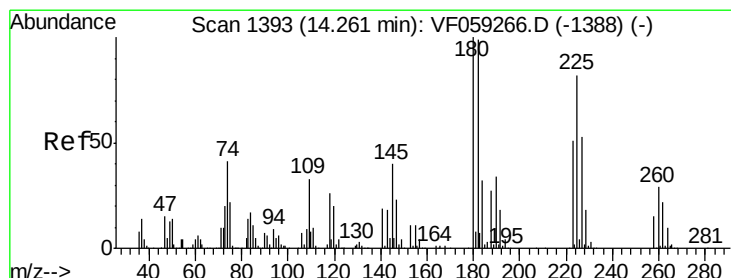
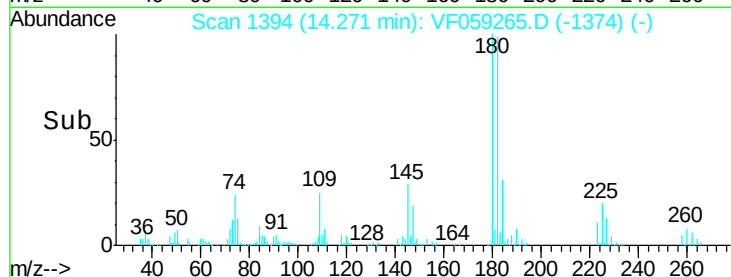
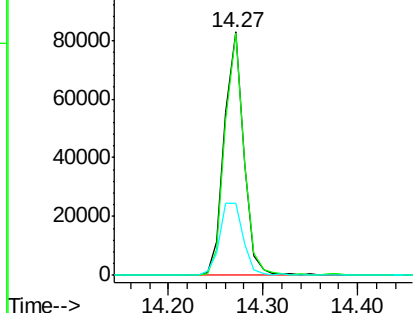
#93
1,2,4-Trichlorobenzene
Concen: 23.016 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:180 Resp: 118273
Ion Ratio Lower Upper
180 100
182 99.3 48.6 145.9
145 29.5 15.0 45.1

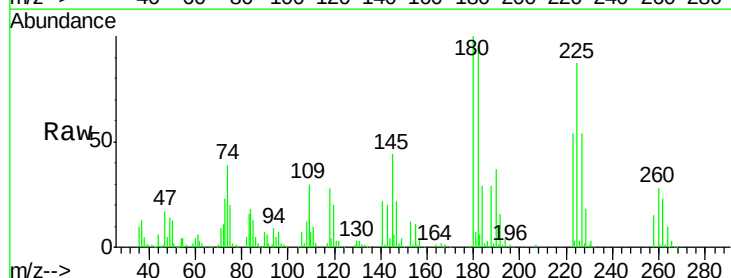


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

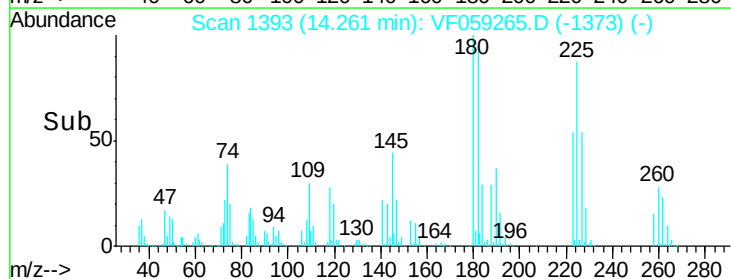
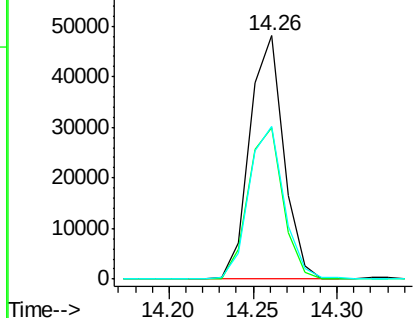


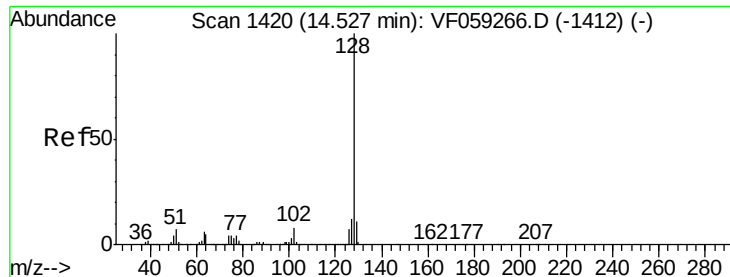
#94
Hexachlorobutadiene
Concen: 22.637 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF059265.D
Acq: 21 Jun 2018 16:45

Tgt Ion:225 Resp: 67120
Ion Ratio Lower Upper
225 100
223 62.3 30.7 92.1
227 62.9 32.0 96.2



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: 21.911 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

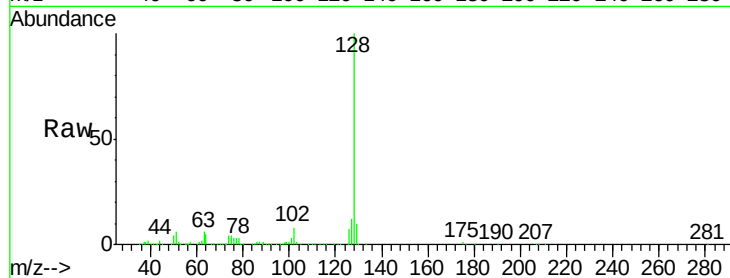
Tgt Ion:128 Resp: 240695

Ion Ratio Lower Upper

128 100

127 11.7 9.6 14.4

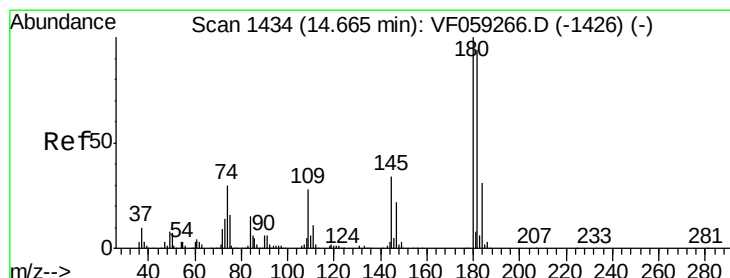
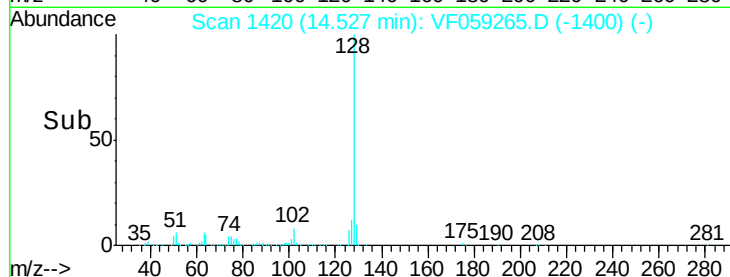
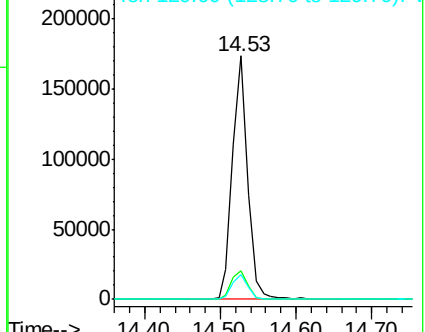
129 10.0 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.624 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VF059265.D

Acq: 21 Jun 2018 16:45

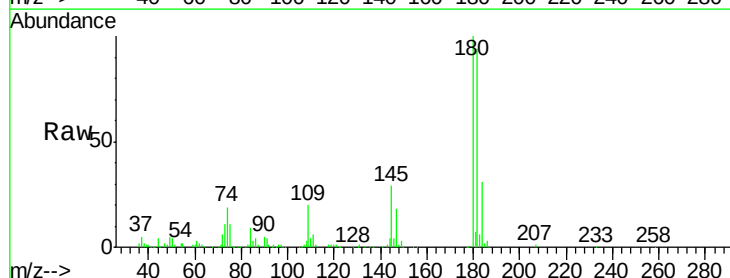
Tgt Ion:180 Resp: 112300

Ion Ratio Lower Upper

180 100

182 94.4 46.9 140.7

145 29.0 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

