

Data File : VF059263.D
Acq On : 21 Jun 2018 15:49
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Jun 22 04:54:13 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	251316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	380647	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	389387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	258102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	19152	6.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.30%	
35) Dibromofluoromethane	4.29	113	17888	6.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.26%	
50) Toluene-d8	7.71	98	45728	5.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.80%	
62) 4-Bromofluorobenzene	11.51	95	24799	6.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	16532	5.793	ug/l	98
3) Chloromethane	1.09	50	10758	5.056	ug/l	96
4) Vinyl Chloride	1.14	62	9307	4.758	ug/l #	86
5) Bromomethane	1.33	94	8022	6.855	ug/l	87
6) Chloroethane	1.42	64	5176	6.227	ug/l	90
7) Trichlorofluoromethane	1.48	101	14908	4.702	ug/l	92
8) Diethyl Ether	1.70	74	4726	6.141	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	12041	6.150	ug/l	90
10) Methyl Iodide	1.96	142	20964	6.095	ug/l	99
11) Tert butyl alcohol	2.68	59	5336	27.190	ug/l #	69
12) 1,1-Dichloroethene	1.85	96	9695	5.910	ug/l #	64
13) Acrolein	2.09	56	5686	33.302	ug/l	83
14) Allyl chloride	2.19	41	17679	5.475	ug/l	96
15) Acrylonitrile	3.07	53	10284	27.301	ug/l	90
16) Acetone	2.34	43	22462	30.256	ug/l	100
17) Carbon Disulfide	1.87	76	26026	5.770	ug/l #	94
18) Methyl Acetate	2.46	43	10413	8.019	ug/l #	93
19) Methyl tert-butyl Ether	2.54	73	28620	5.447	ug/l	93
20) Methylene Chloride	2.27	84	7277	4.172	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	10380	5.698	ug/l	95
22) Diisopropyl ether	2.93	45	33809	5.232	ug/l #	95
23) Vinyl Acetate	3.33	43	100569	23.864	ug/l	98
24) 1,1-Dichloroethane	3.00	63	24434	6.207	ug/l	98
25) 2-Butanone	4.52	43	30615	26.982	ug/l #	87
26) 2,2-Dichloropropane	3.76	77	17256	6.072	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	14798	5.311	ug/l	92
28) Bromochloromethane	3.88	49	9269	5.321	ug/l	95
29) Tetrahydrofuran	4.26	42	13995	28.269	ug/l	96
30) Chloroform	4.03	83	34700	6.181	ug/l	88
31) Cyclohexane	3.86	56	17165	5.171	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	25843	6.129	ug/l	94
36) 1,1-Dichloropropene	4.46	75	23294	6.293	ug/l	94
37) Ethyl Acetate	4.29	43	13872	6.003	ug/l #	81
38) Carbon Tetrachloride	4.16	117	26516	6.457	ug/l	96

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Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Jun 22 04:54:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	21102	5.756	ug/l #	84
40) Benzene	4.80	78	47395	5.571	ug/l	95
41) Methacrylonitrile	4.92	41	5690	5.015	ug/l #	87
42) 1,2-Dichloroethane	5.12	62	25365	6.308	ug/l	97
43) Isopropyl Acetate	7.12	43	16329	5.259	ug/l #	85
44) Trichloroethene	5.67	130	15951	5.843	ug/l	83
45) 1,2-Dichloropropane	6.40	63	13775	5.594	ug/l	97
46) Dibromomethane	6.25	93	10814	5.760	ug/l	94
47) Bromodichloromethane	6.54	83	25633	5.916	ug/l	99
48) Methyl methacrylate	6.87	41	8014	4.215	ug/l #	87
49) 1,4-Dioxane	6.86	88	1428	113.378	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	59601	27.960	ug/l	98
52) Toluene	7.77	92	38078	6.159	ug/l	83
53) t-1,3-Dichloropropene	8.43	75	25400	6.007	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	25215	5.311	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	13227	5.808	ug/l #	95
56) Ethyl methacrylate	8.76	69	13966	4.867	ug/l	90
57) 1,3-Dichloropropane	9.00	76	22659	5.861	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	5985	28.896	ug/l	100
59) 2-Hexanone	9.63	43	47626	28.230	ug/l	95
60) Dibromochloromethane	8.86	129	17664	5.339	ug/l	92
61) 1,2-Dibromoethane	9.14	107	14214	5.362	ug/l	97
64) Tetrachloroethene	8.30	164	16087	5.593	ug/l	90
65) Chlorobenzene	9.94	112	43825	5.611	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	18105	5.796	ug/l	89
67) Ethyl Benzene	10.04	91	79740	5.928	ug/l	98
68) m/p-Xylenes	10.26	106	55958	10.958	ug/l	86
69) o-Xylene	10.83	106	30729	5.594	ug/l	93
70) Styrene	10.90	104	44175	5.346	ug/l	96
71) Bromoform	10.88	173	12596	5.857	ug/l	95
73) Isopropylbenzene	11.23	105	86958	4.870	ug/l	98
74) N-amyl acetate	11.47	43	25852	4.083	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	20305	4.796	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	14579	4.652	ug/l	94
77) Bromobenzene	11.59	156	24921	5.474	ug/l	92
78) n-propylbenzene	11.68	91	116318	5.501	ug/l	94
79) 2-Chlorotoluene	11.81	91	65513	5.225	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	77813	5.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	9939	4.870	ug/l #	87
82) 4-Chlorotoluene	11.99	91	72447	5.421	ug/l	93
83) tert-Butylbenzene	12.22	119	78247	5.279	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	80782	5.279	ug/l	93
85) sec-Butylbenzene	12.39	105	106638	5.340	ug/l	99
86) p-Isopropyltoluene	12.54	119	84535	5.140	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	47848	5.711	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	45479	5.627	ug/l	98
89) n-Butylbenzene	12.92	91	89172	5.215	ug/l	93
90) Hexachloroethane	12.99	117	20856	5.161	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	45491	5.642	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3881	4.598	ug/l	76

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

Data File : VF059263.D
Acq On : 21 Jun 2018 15:49
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Jun 22 04:54:13 2018
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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)
93) 1,2,4-Trichlorobenzene	14.27	180	30346	5.288	ug/l	93
94) Hexachlorobutadiene	14.26	225	18159	5.484	ug/l	95
95) Naphthalene	14.52	128	56035	4.567	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	27793	5.235	ug/l	93

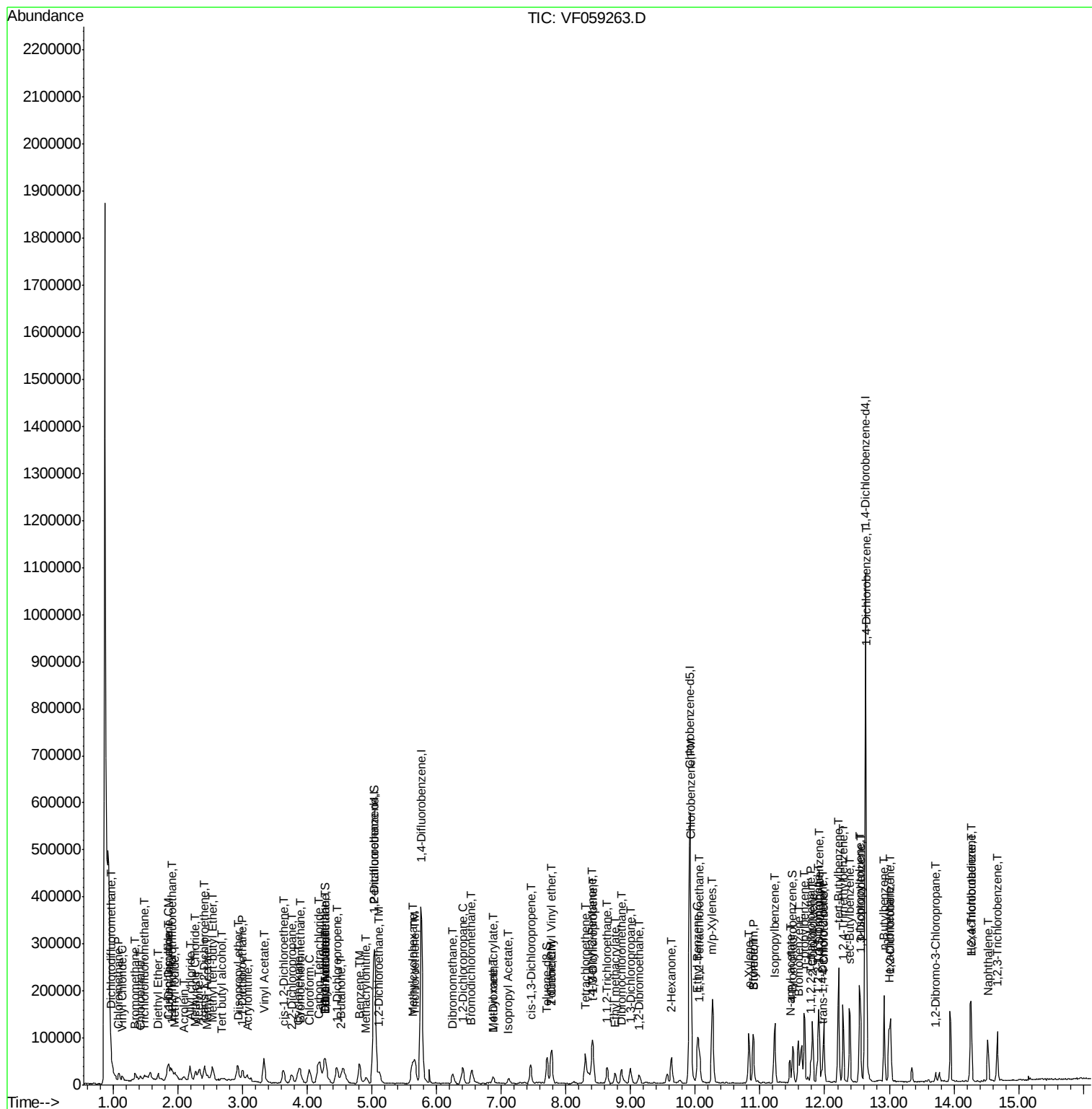
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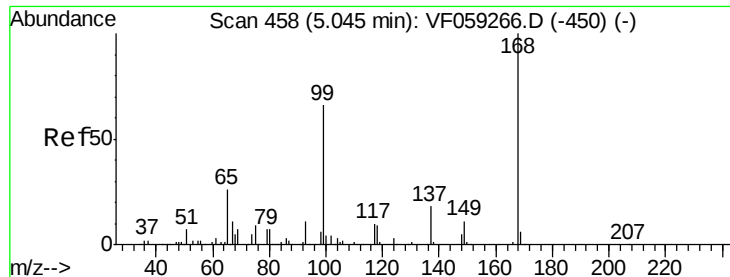
Data File : VF059263.D

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Acq On       : 21 Jun 2018   15:49
Operator    : VA/AP
Sample      : VSTDIC005
Misc       : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial    : 3      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Jun 22 04:54:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 04:54:07 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

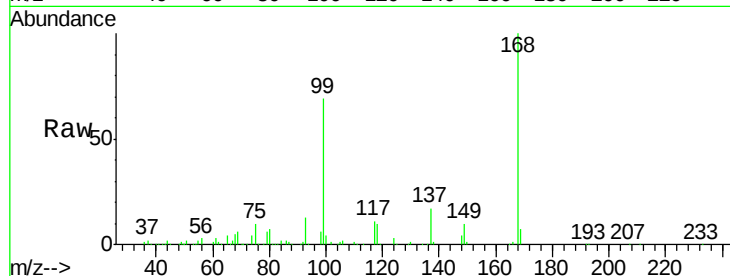
VSTDIC005

Tgt Ion:168 Resp: 251316

Ion Ratio Lower Upper

168 100

99 69.4 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

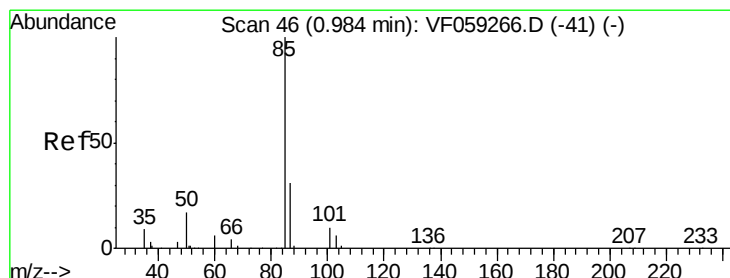
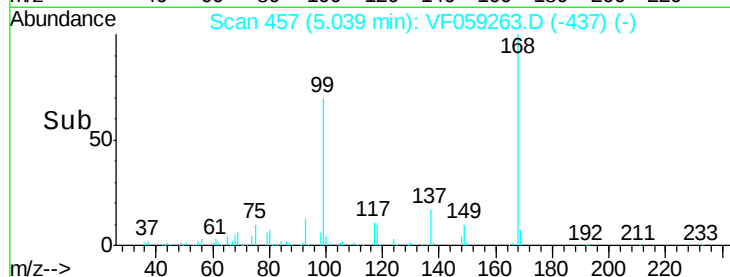
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 5.793 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059263.D

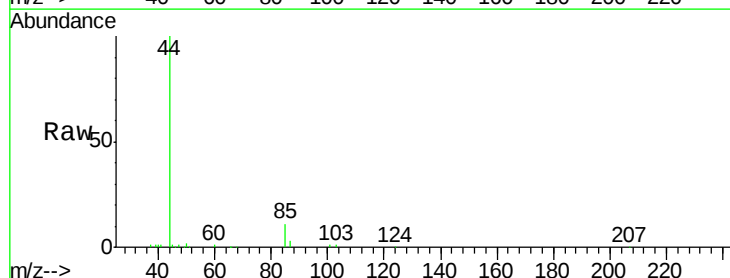
Acq: 21 Jun 2018 15:49

Tgt Ion: 85 Resp: 16532

Ion Ratio Lower Upper

85 100

87 30.1 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

5000

4000

3000

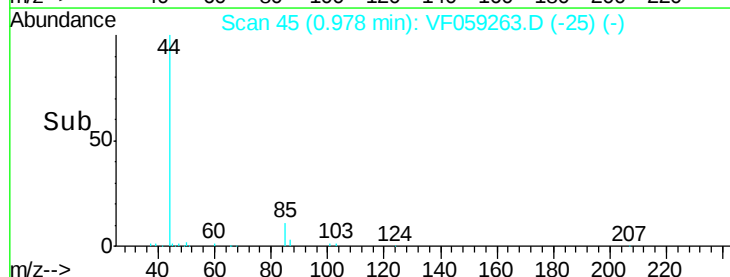
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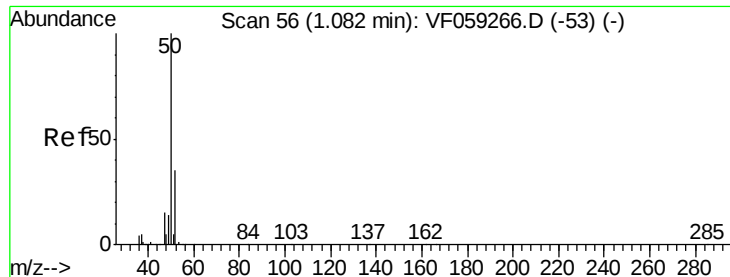
1000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 5.056 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

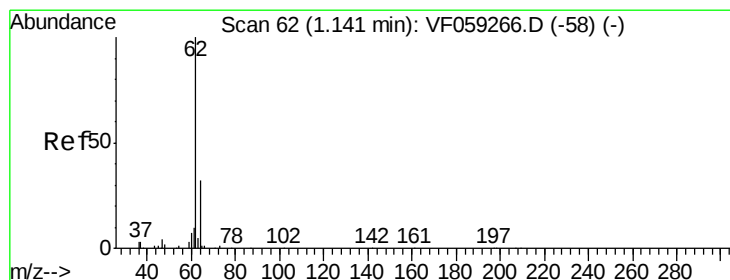
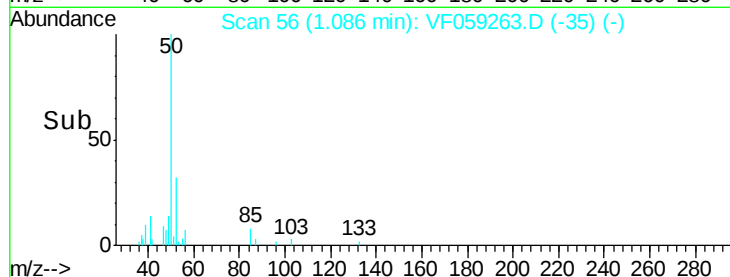
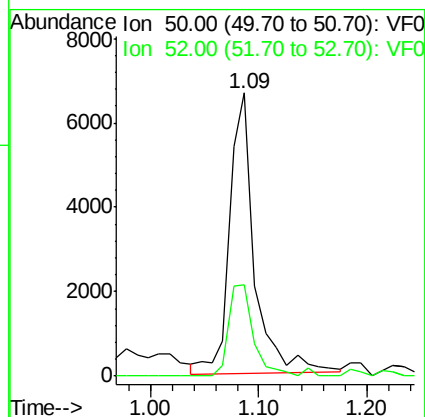
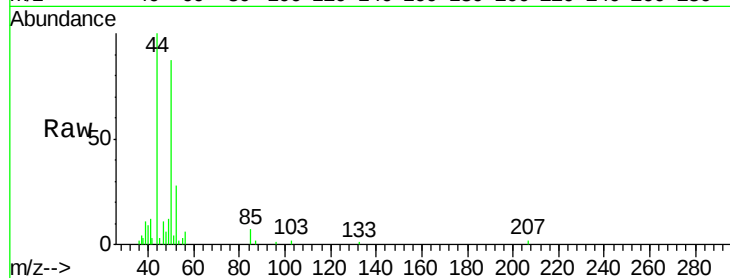
VSTDIC005

Tgt Ion: 50 Resp: 10758

Ion Ratio Lower Upper

50 100

52 32.1 27.7 41.5



#4

Vinyl Chloride

Concen: 4.758 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059263.D

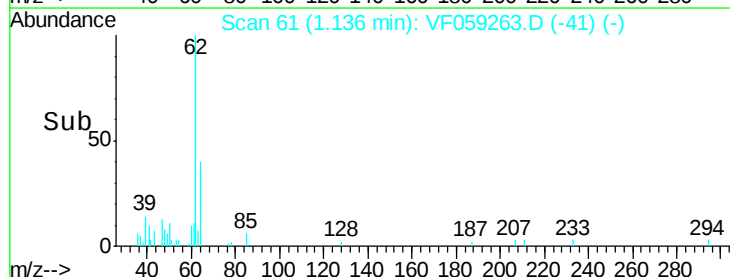
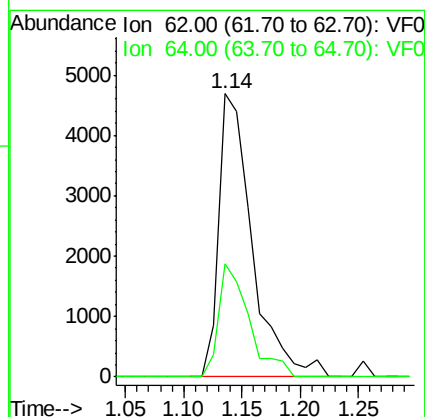
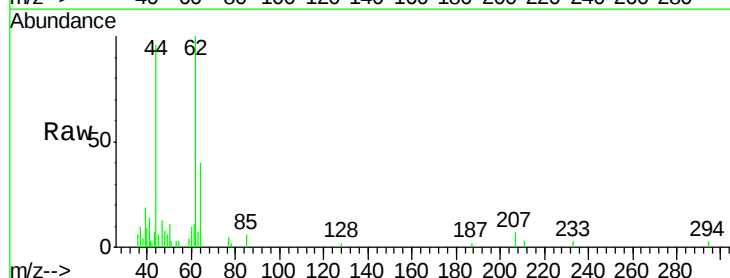
Acq: 21 Jun 2018 15:49

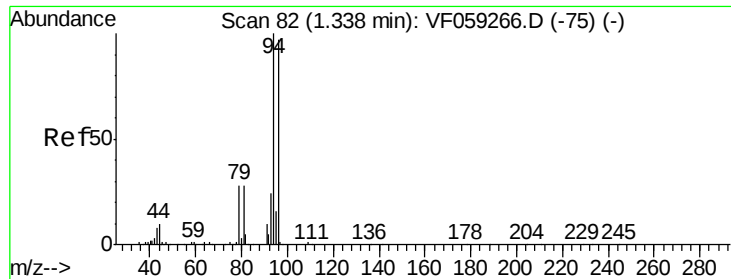
Tgt Ion: 62 Resp: 9307

Ion Ratio Lower Upper

62 100

64 39.9 25.7 38.5#





#5

Bromomethane

Concen: 6.855 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

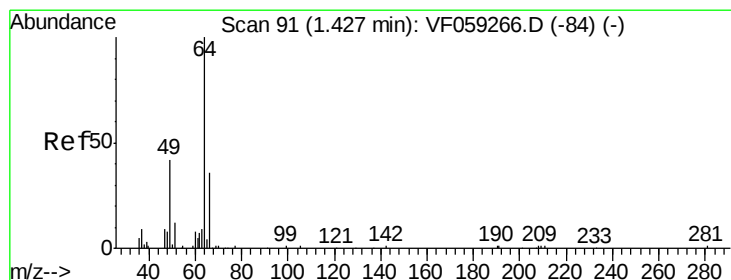
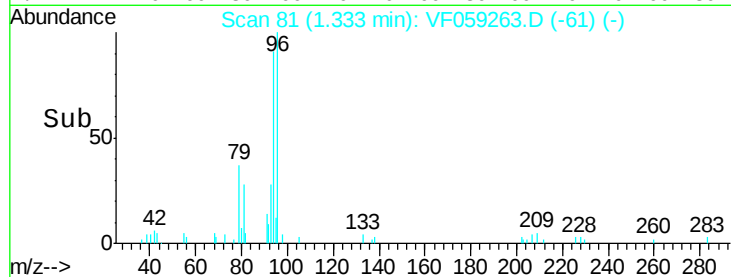
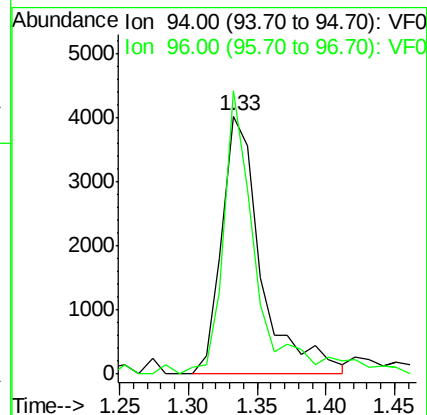
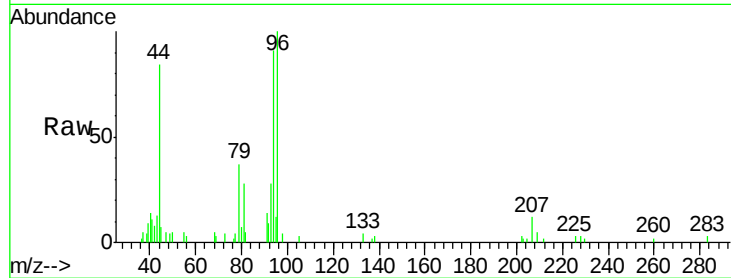
VSTDIC005

Tgt Ion: 94 Resp: 8022

Ion Ratio Lower Upper

94 100

96 109.5 77.7 116.5



#6

Chloroethane

Concen: 6.227 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059263.D

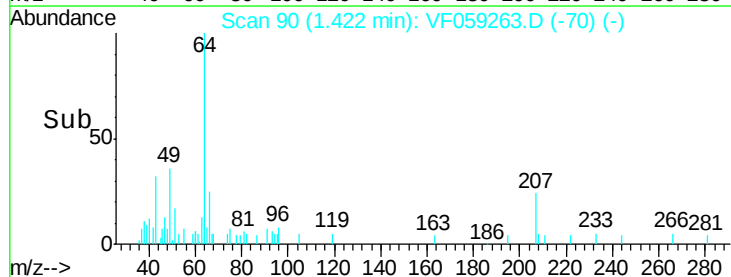
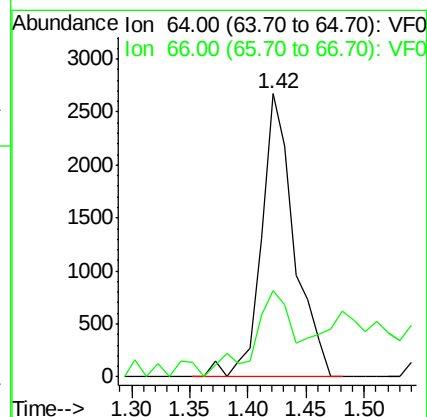
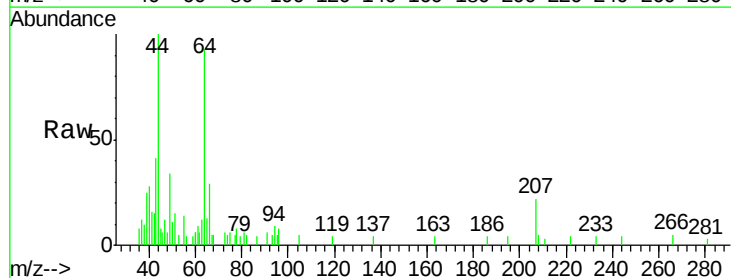
Acq: 21 Jun 2018 15:49

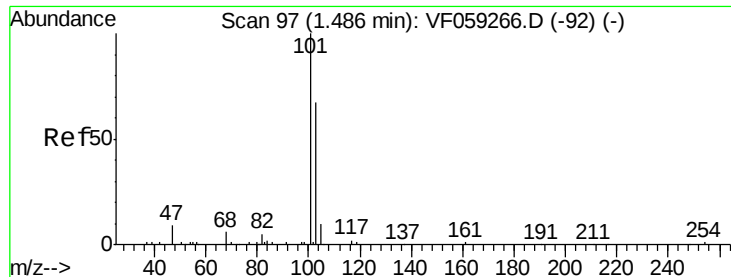
Tgt Ion: 64 Resp: 5176

Ion Ratio Lower Upper

64 100

66 30.7 29.4 44.2





#7

Trichlorofluoromethane

Concen: 4.702 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF059263.D

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Instrument :

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ClientSampleId :

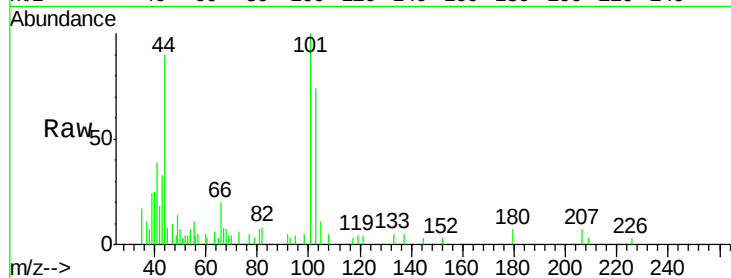
VSTDIC005

Tgt Ion:101 Resp: 14908

Ion Ratio Lower Upper

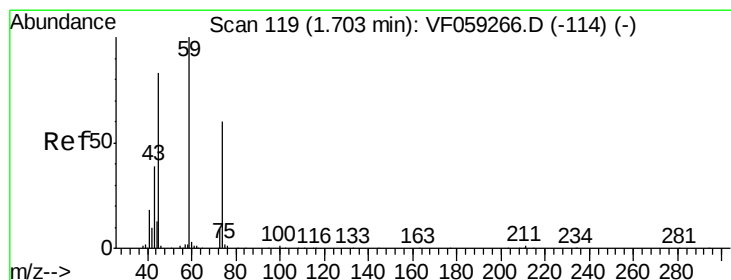
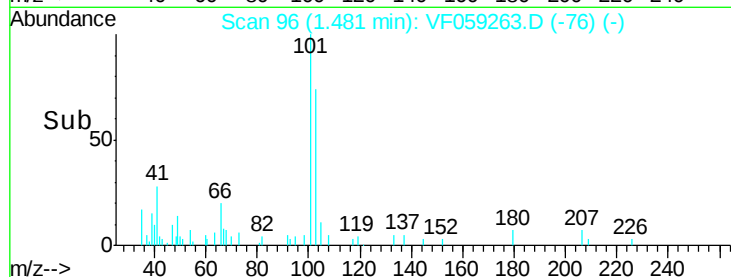
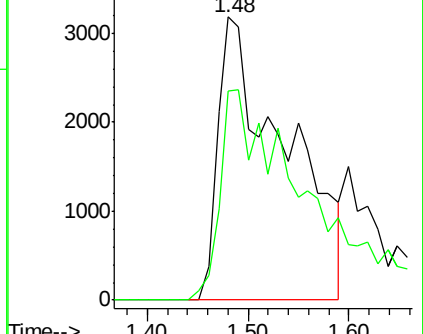
101 100

103 74.0 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 6.141 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059263.D

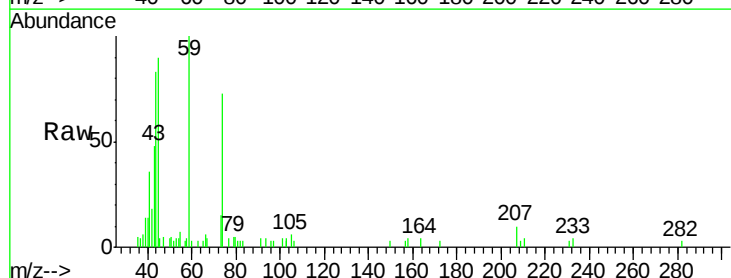
Acq: 21 Jun 2018 15:49

Tgt Ion: 74 Resp: 4726

Ion Ratio Lower Upper

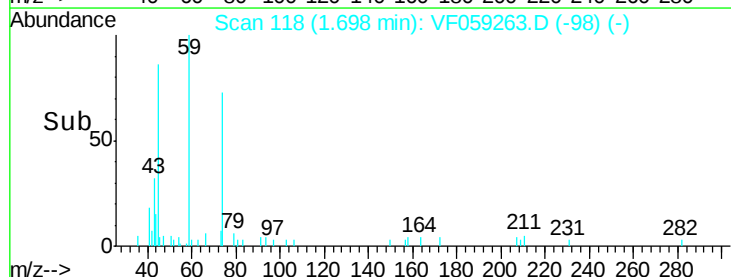
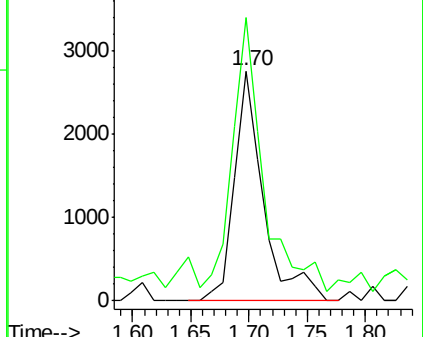
74 100

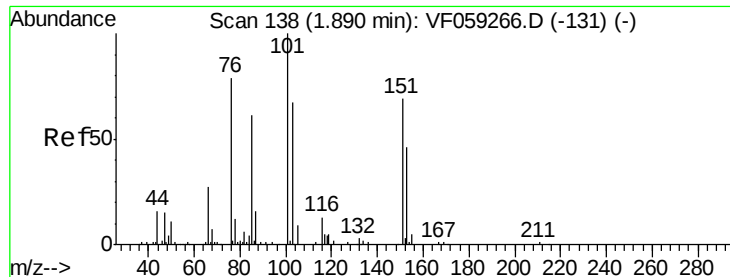
45 123.0 69.2 207.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.150 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

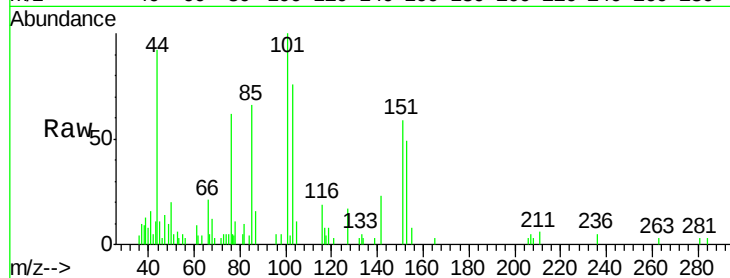
Tgt Ion:101 Resp: 12041

Ion Ratio Lower Upper

101 100

85 66.3 47.2 70.8

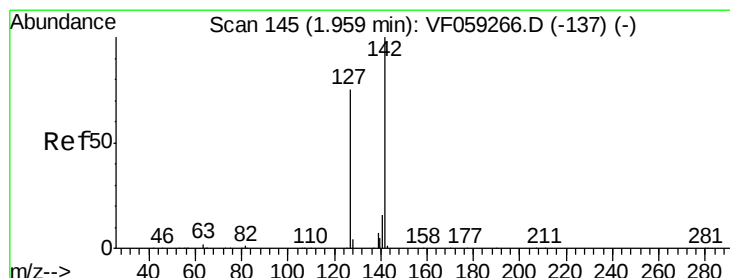
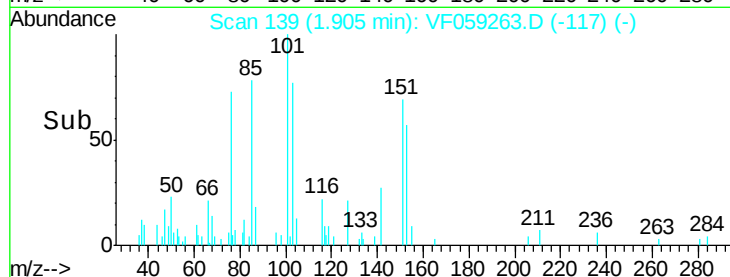
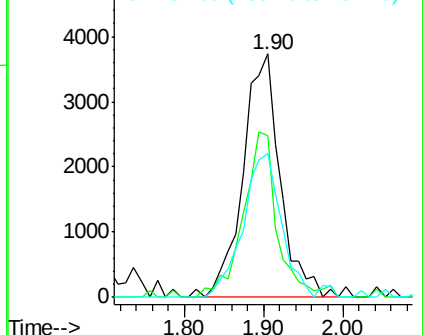
151 59.0 53.3 79.9



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: 6.095 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

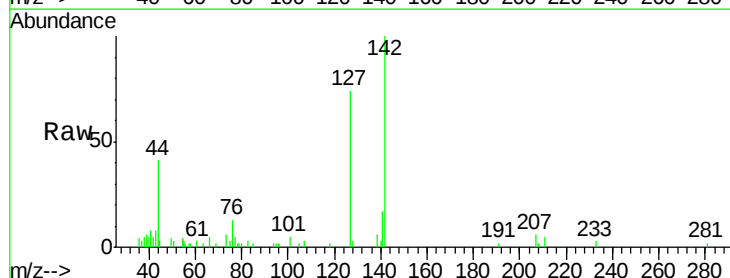
Tgt Ion:142 Resp: 20964

Ion Ratio Lower Upper

142 100

127 74.4 59.9 89.9

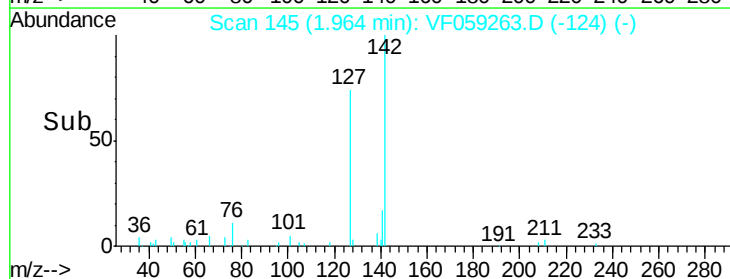
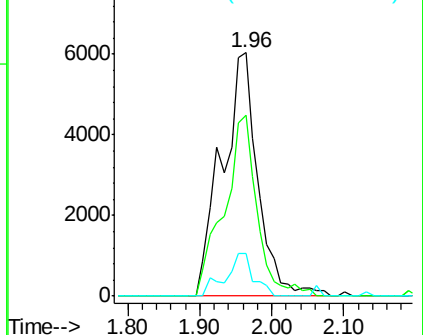
141 17.3 12.7 19.1

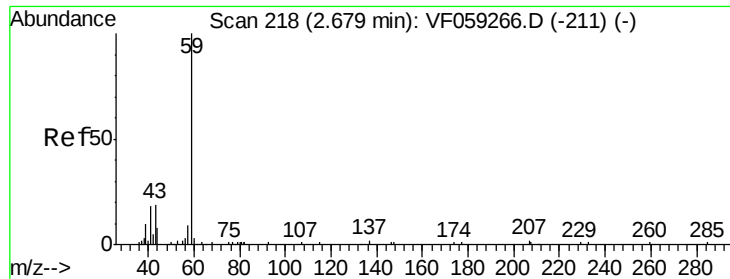


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



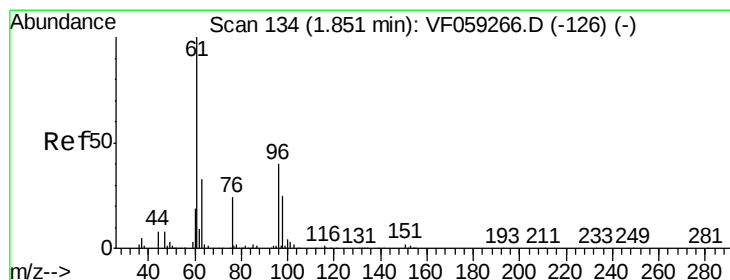
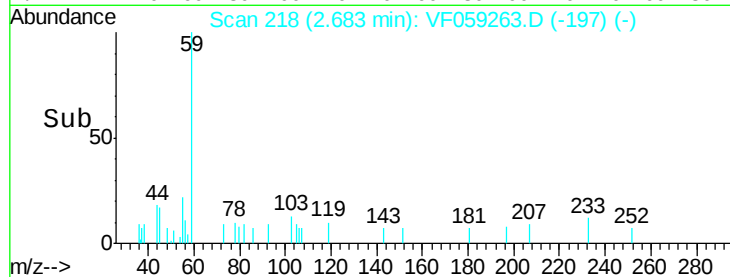
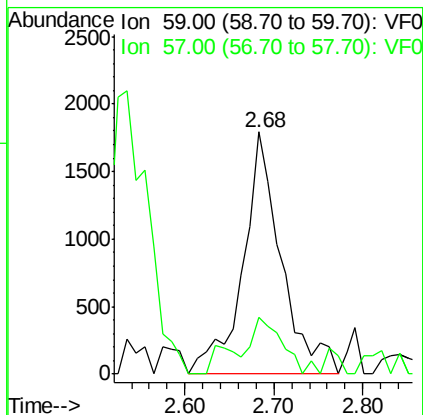
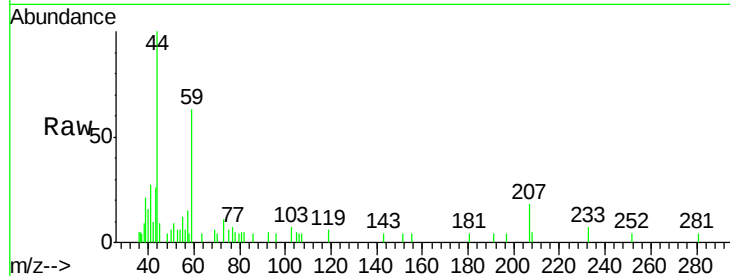


#11

Tert butyl alcohol
Concen: 27.190 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

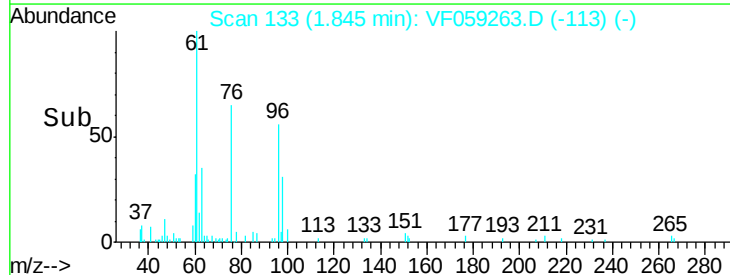
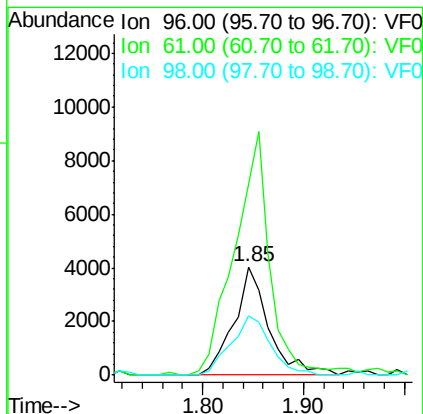
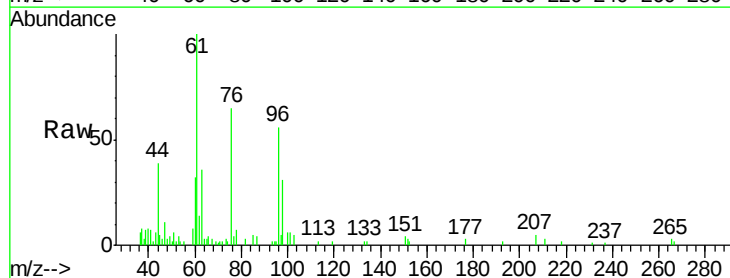
Tgt Ion: 59 Resp: 5336
Ion Ratio Lower Upper
59 100
57 23.3 9.2 13.8#

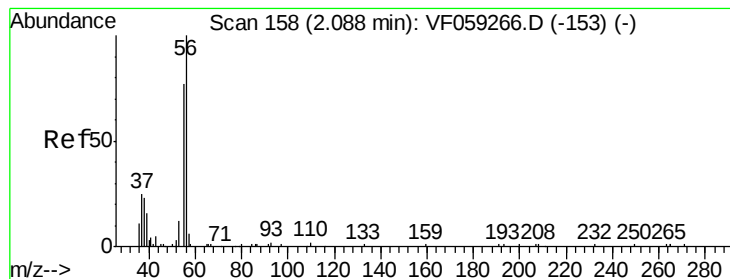


#12

1,1-Dichloroethene
Concen: 5.910 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 96 Resp: 9695
Ion Ratio Lower Upper
96 100
61 177.0 201.4 302.2#
98 55.1 50.0 75.0





#13

Acrolein

Concen: 33.302 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

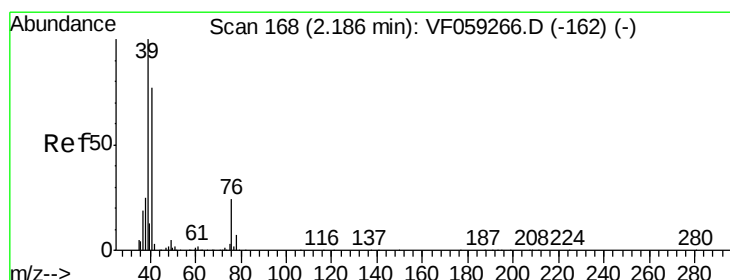
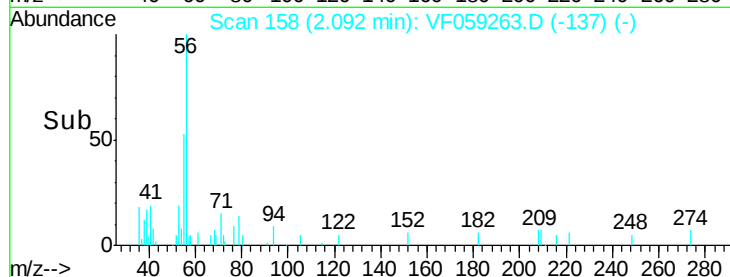
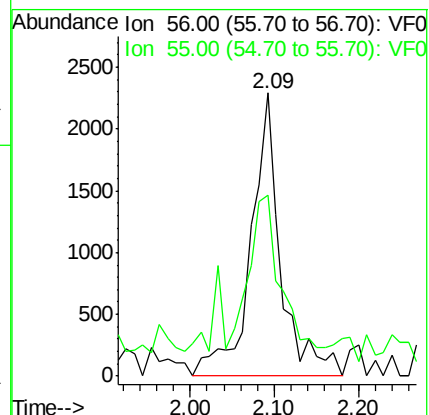
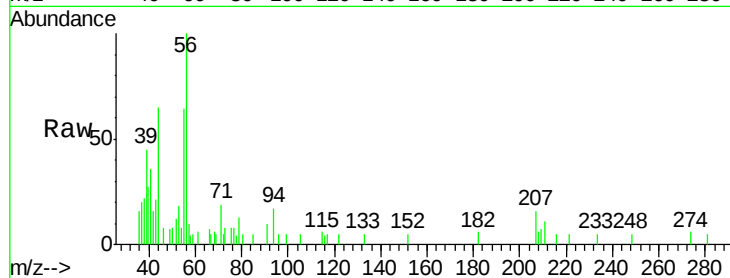
VSTDIC005

Tgt Ion: 56 Resp: 5686

Ion Ratio Lower Upper

56 100

55 63.8 63.0 94.6



#14

Allyl chloride

Concen: 5.475 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

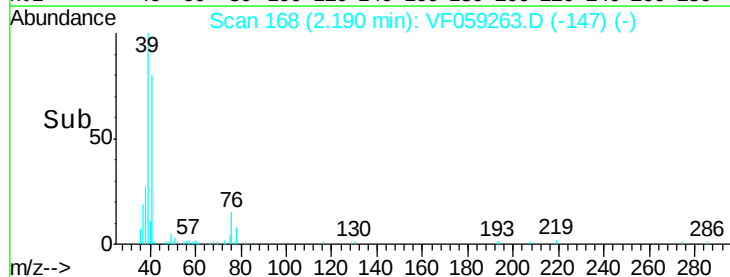
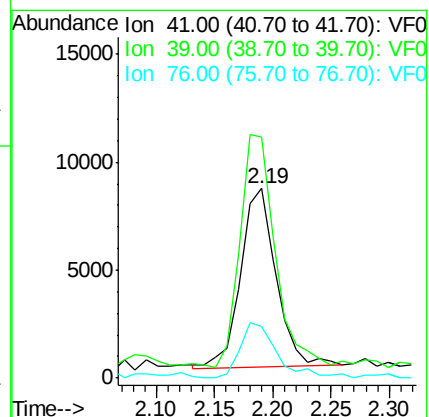
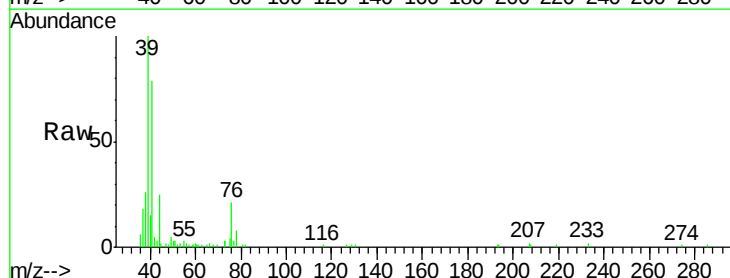
Tgt Ion: 41 Resp: 17679

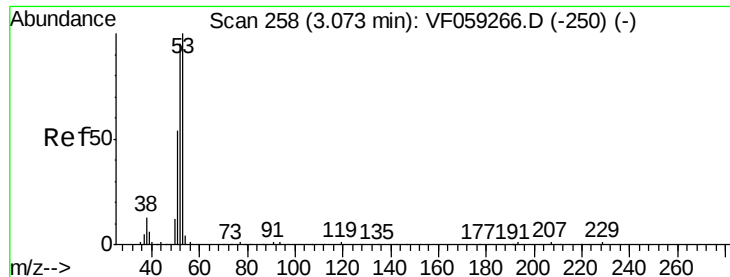
Ion Ratio Lower Upper

41 100

39 126.7 103.8 155.6

76 26.9 25.0 37.6





#15

Acrylonitrile

Concen: 27.301 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

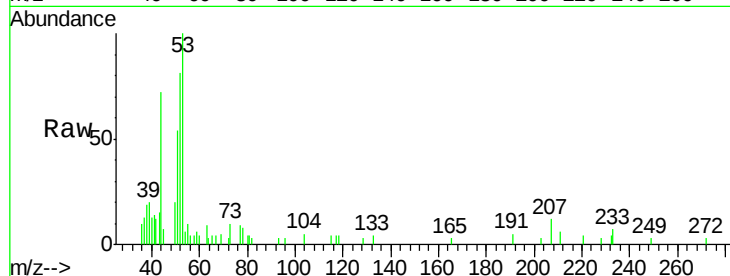
Tgt Ion: 53 Resp: 10284

Ion Ratio Lower Upper

53 100

52 80.6 75.7 113.5

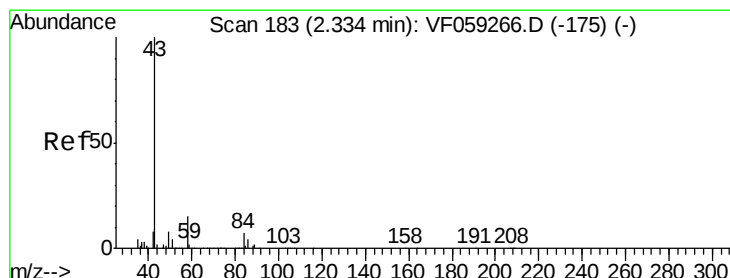
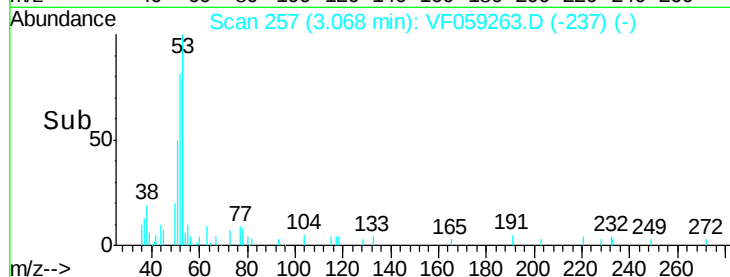
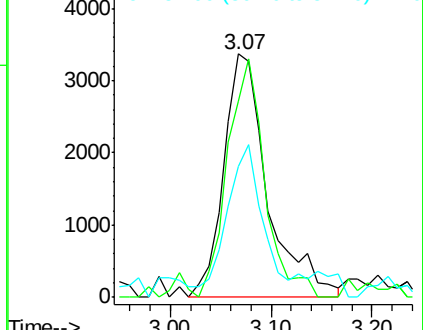
51 53.9 44.5 66.7



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: 30.256 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059263.D

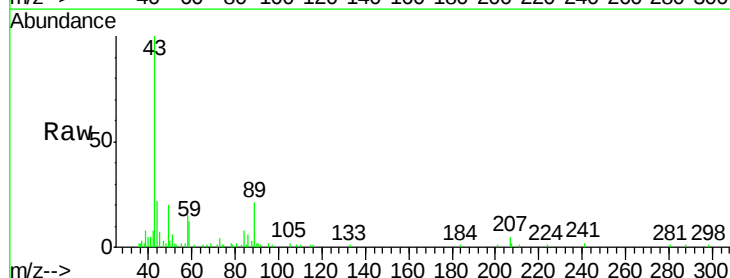
Acq: 21 Jun 2018 15:49

Tgt Ion: 43 Resp: 22462

Ion Ratio Lower Upper

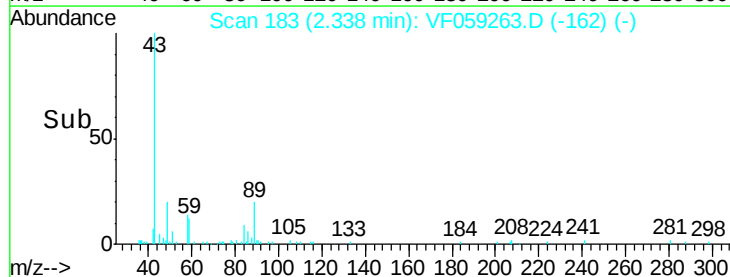
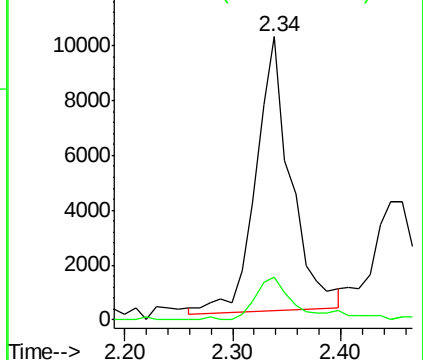
43 100

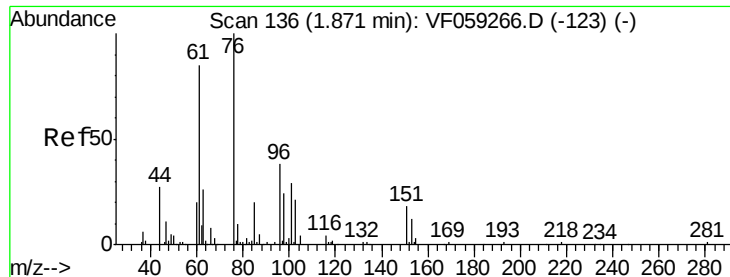
58 15.0 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 5.770 ug/l

RT: 1.87 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

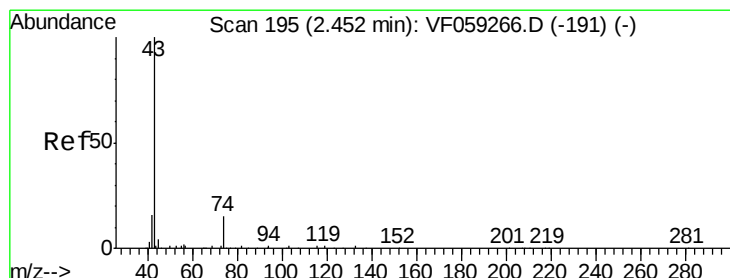
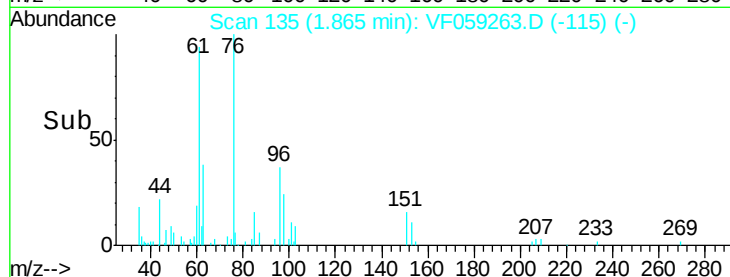
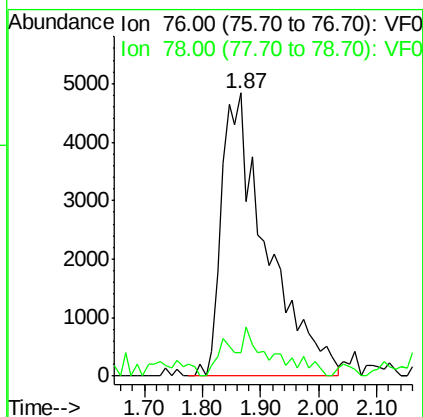
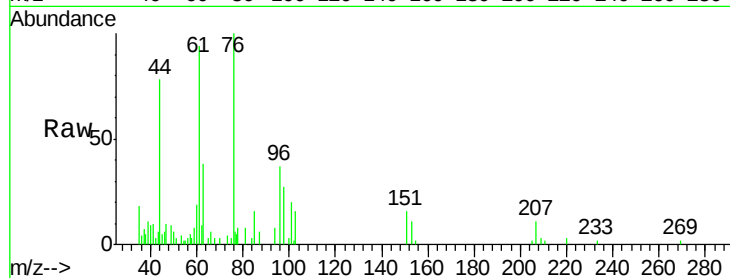
VSTDIC005

Tgt Ion: 76 Resp: 26026

Ion Ratio Lower Upper

76 100

78 8.5 8.6 12.8#



#18

Methyl Acetate

Concen: 8.019 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059263.D

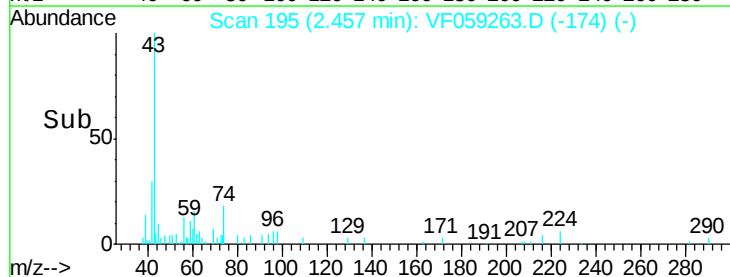
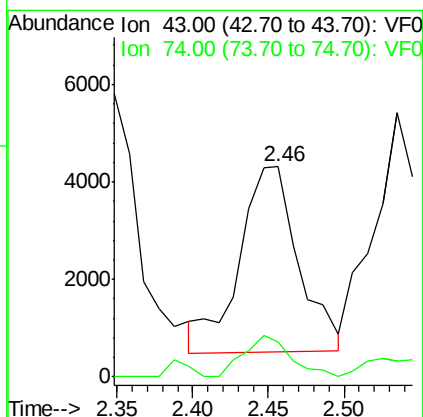
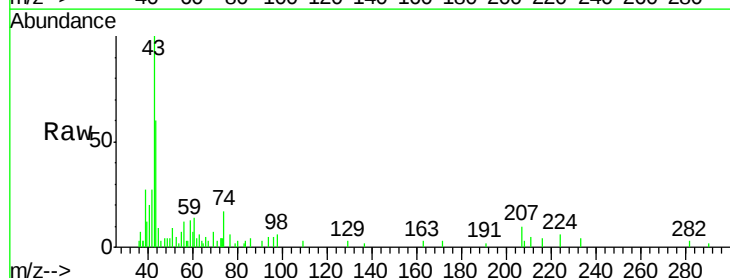
Acq: 21 Jun 2018 15:49

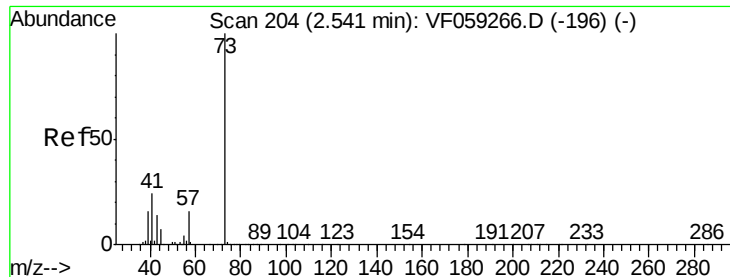
Tgt Ion: 43 Resp: 10413

Ion Ratio Lower Upper

43 100

74 16.6 11.0 16.4#



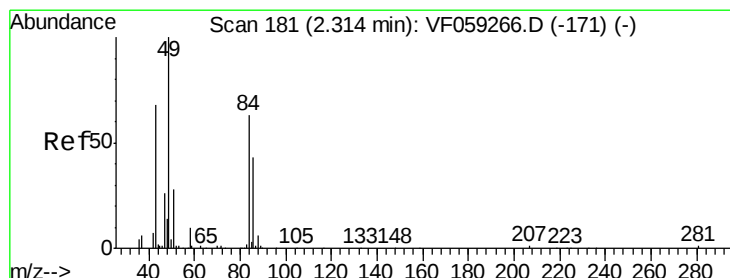
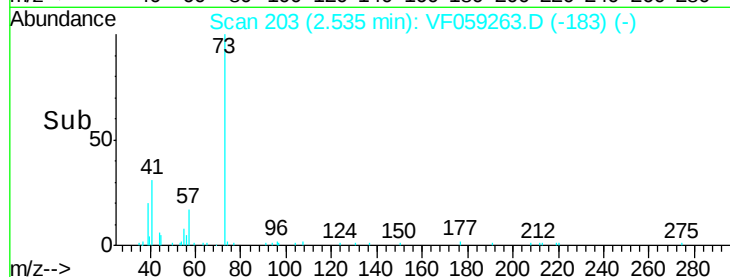
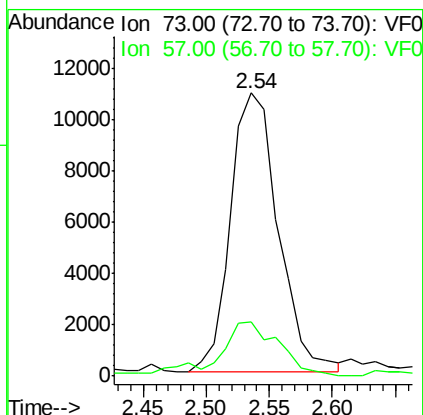
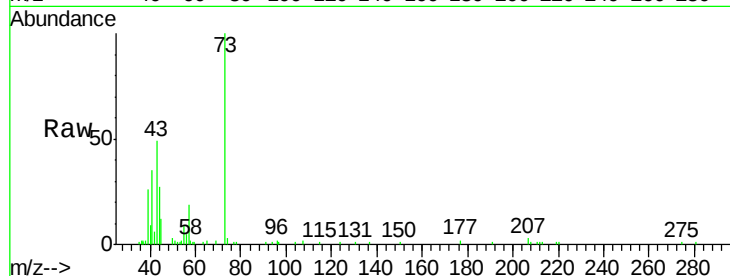


#19

Methyl tert-butyl Ether
Concen: 5.447 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

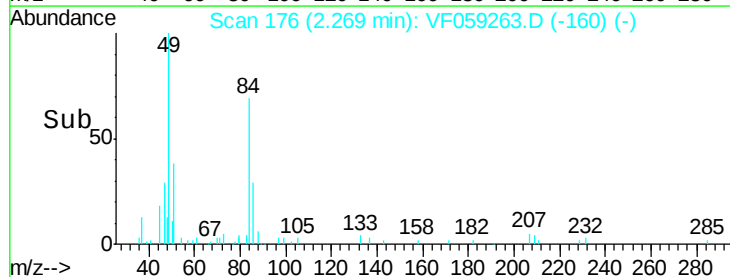
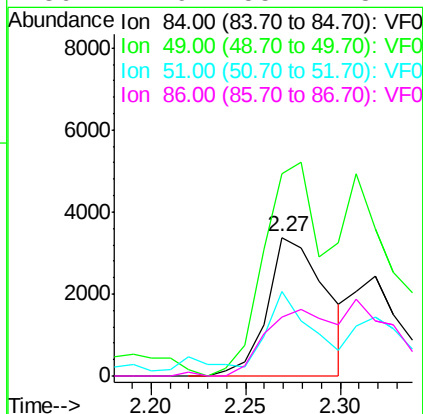
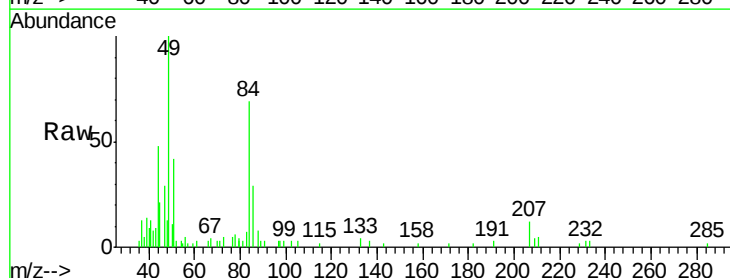
Tgt Ion: 73 Resp: 28620
Ion Ratio Lower Upper
73 100
57 19.0 13.0 19.4

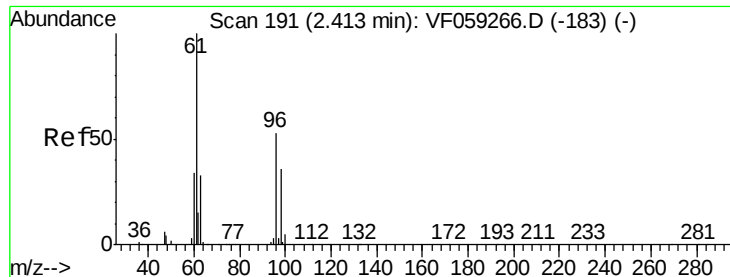


#20

Methylene Chloride
Concen: 4.172 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.05 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 84 Resp: 7277
Ion Ratio Lower Upper
84 100
49 145.7 130.0 195.0
51 61.2 36.6 55.0#
86 42.9 55.1 82.7#





#21

trans-1,2-Dichloroethene

Concen: 5.698 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

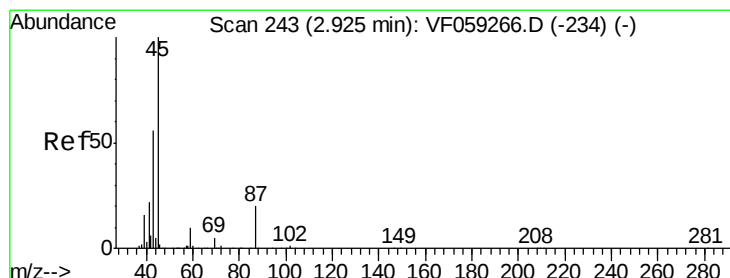
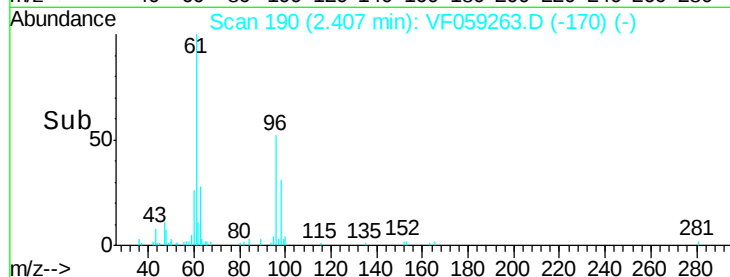
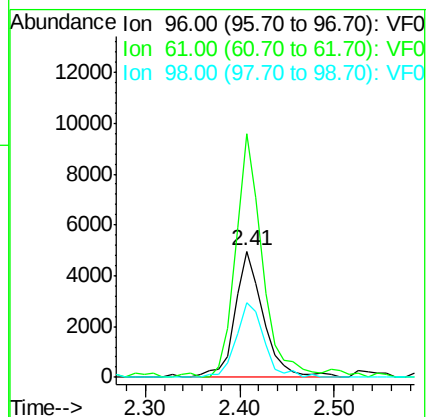
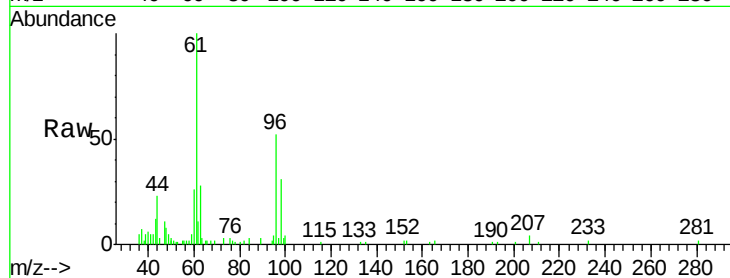
Tgt Ion: 96 Resp: 10380

Ion Ratio Lower Upper

96 100

61 192.9 151.2 226.8

98 58.9 54.2 81.2



#22

Diisopropyl ether

Concen: 5.232 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Tgt Ion: 45 Resp: 33809

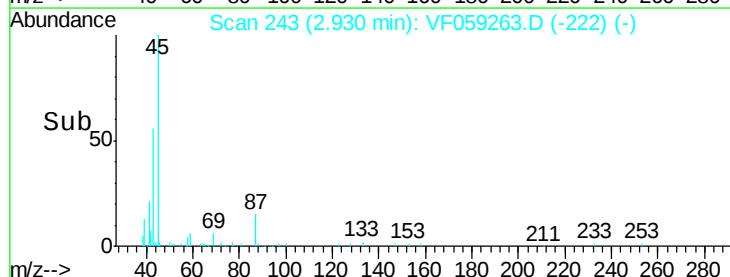
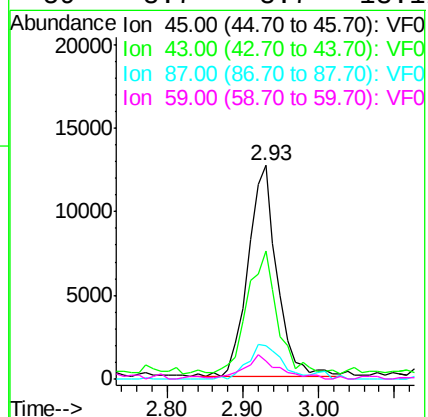
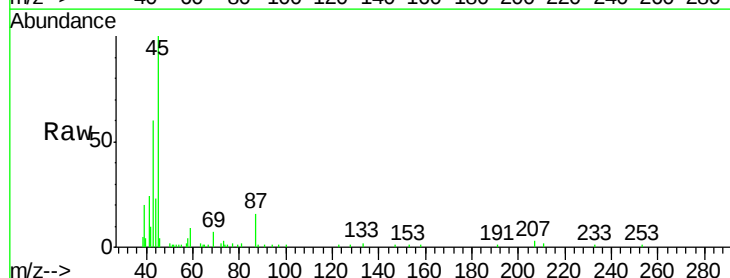
Ion Ratio Lower Upper

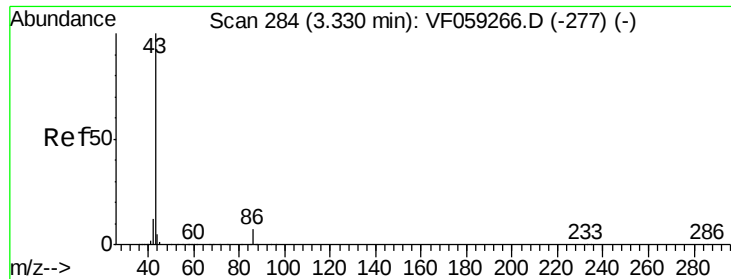
45 100

43 59.9 45.8 68.6

87 15.8 15.7 23.5

59 8.7 8.7 13.1#





#23

Vinyl Acetate

Concen: 23.864 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

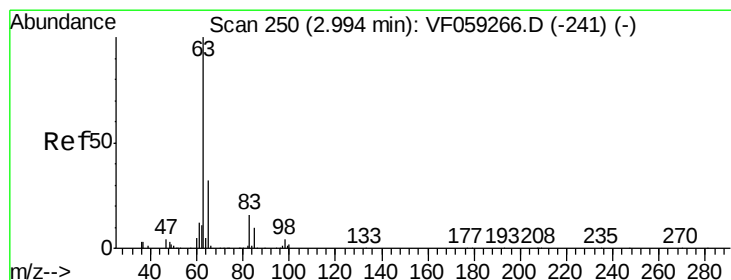
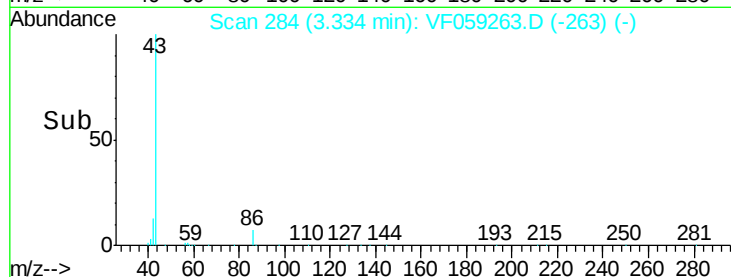
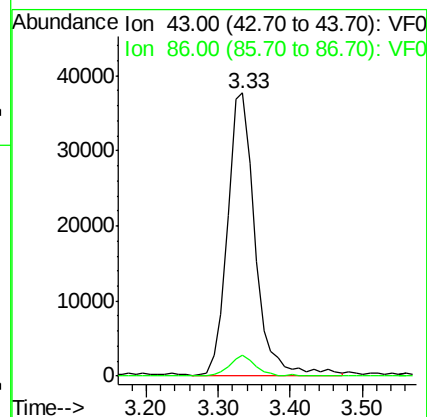
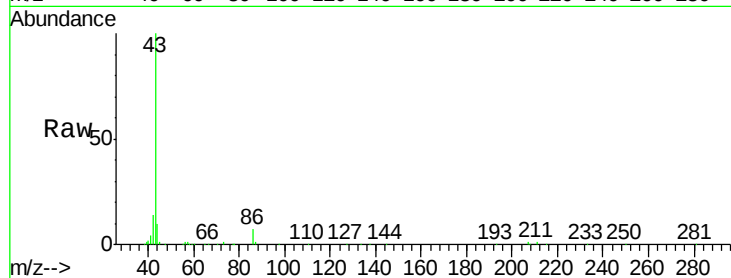
VSTDIC005

Tgt Ion: 43 Resp: 100569

Ion Ratio Lower Upper

43 100

86 7.4 5.4 8.2



#24

1,1-Dichloroethane

Concen: 6.207 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

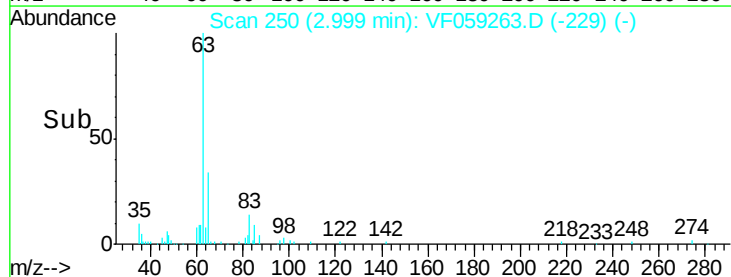
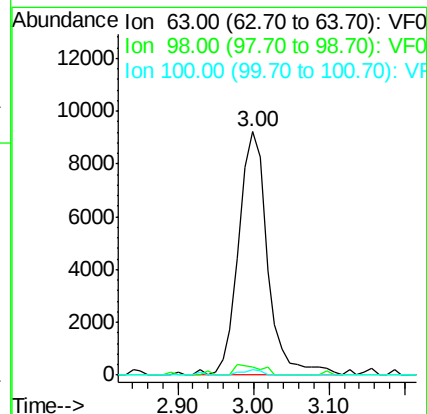
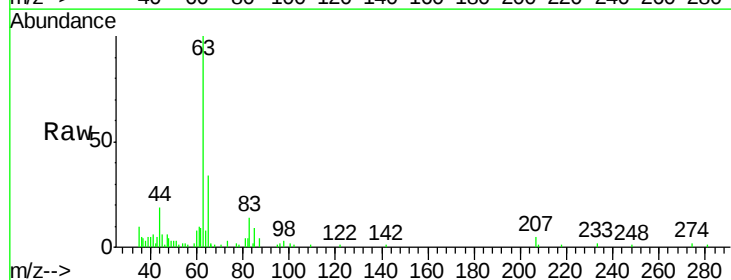
Tgt Ion: 63 Resp: 24434

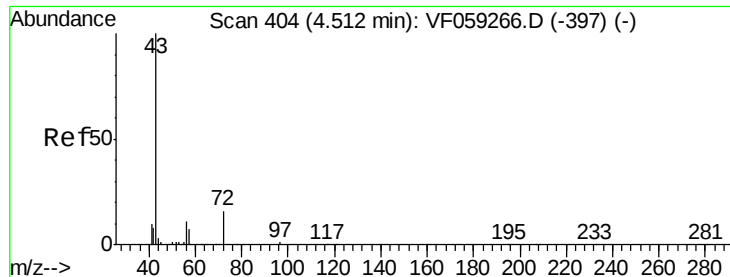
Ion Ratio Lower Upper

63 100

98 3.2 2.0 5.8

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 26.982 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

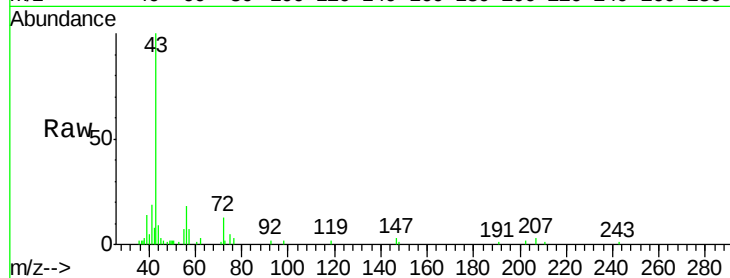
VSTDIC005

Tgt Ion: 43 Resp: 30615

Ion Ratio Lower Upper

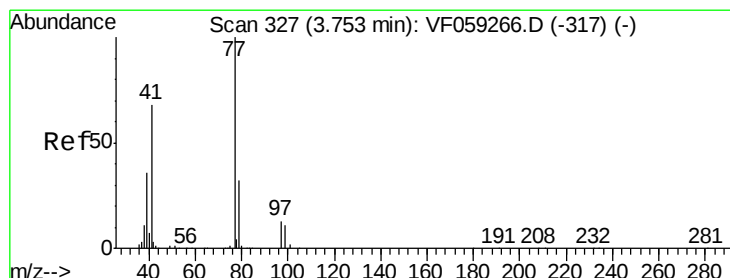
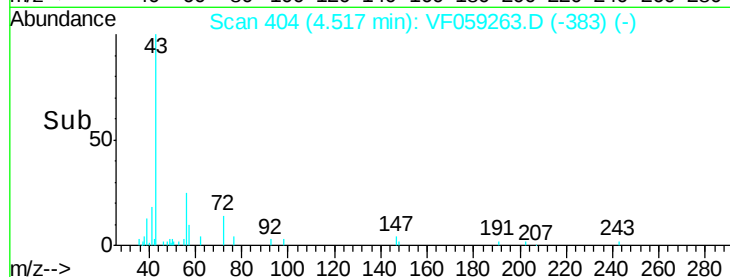
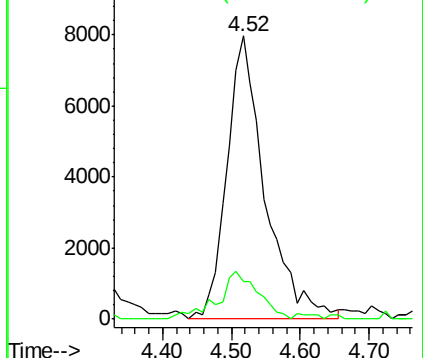
43 100

72 13.2 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 6.072 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059263.D

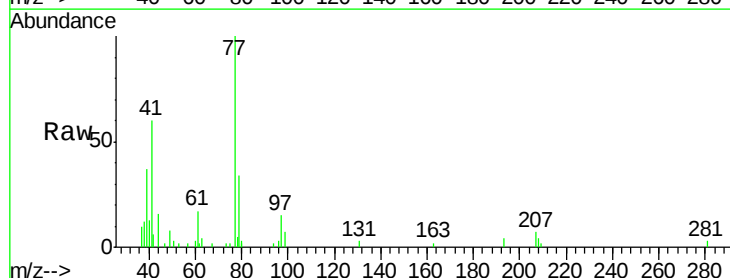
Acq: 21 Jun 2018 15:49

Tgt Ion: 77 Resp: 17256

Ion Ratio Lower Upper

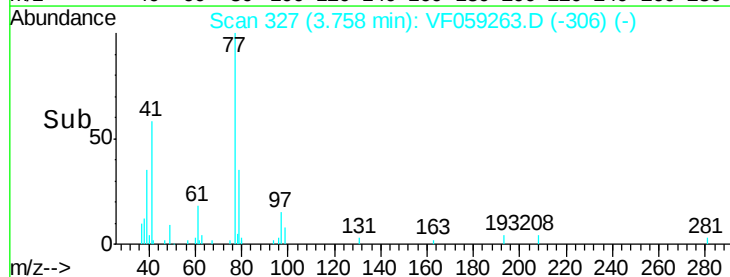
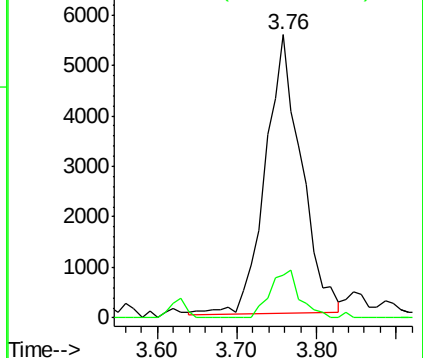
77 100

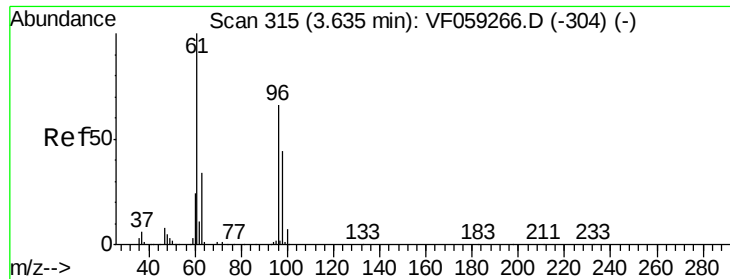
97 15.1 7.6 22.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



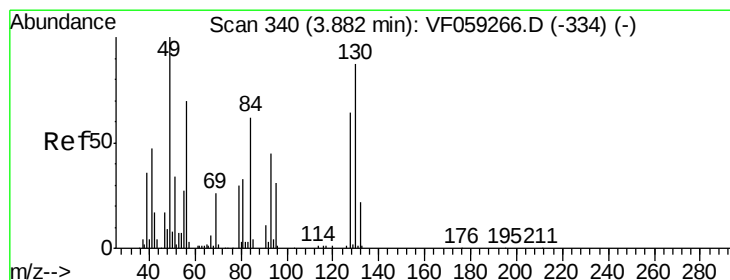
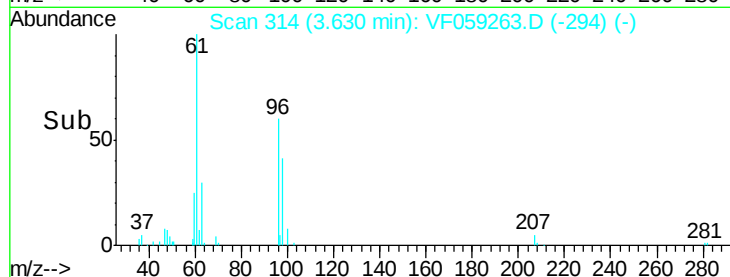
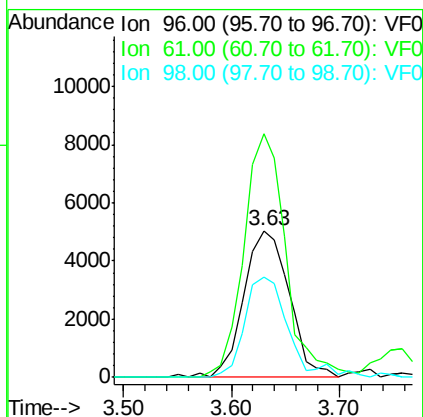
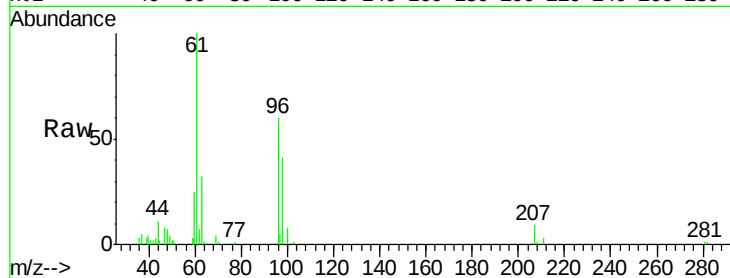


#27

cis-1,2-Dichloroethene
Concen: 5.311 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

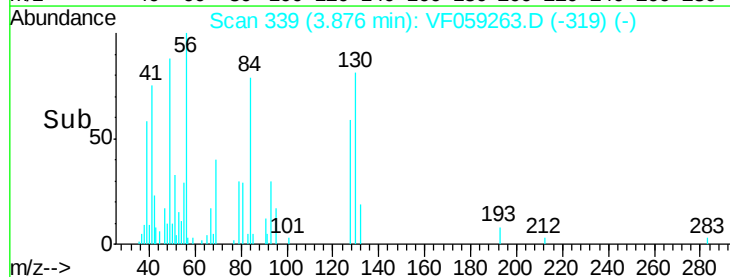
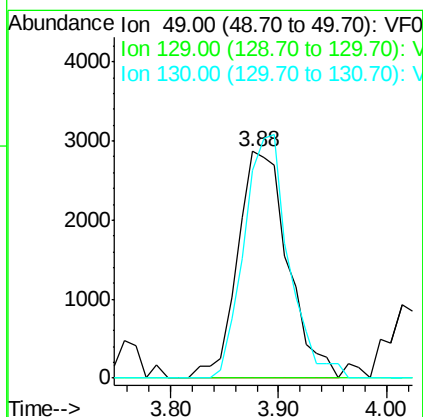
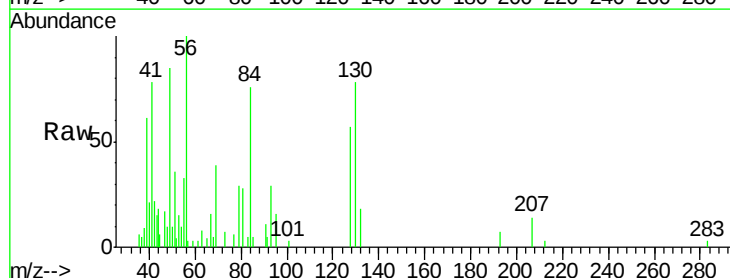
Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	305.0
98	68.4	0.0	134.0

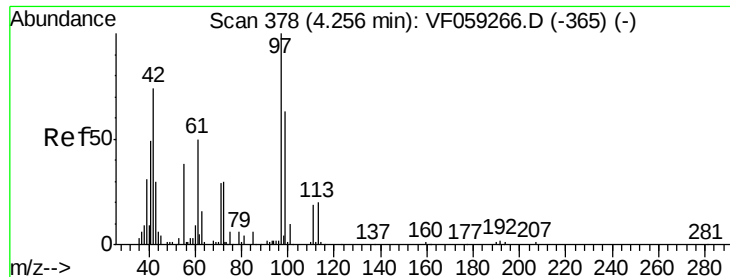


#28

Bromochloromethane
Concen: 5.321 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	91.8	69.4	104.2





#29

Tetrahydrofuran

Concen: 28.269 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

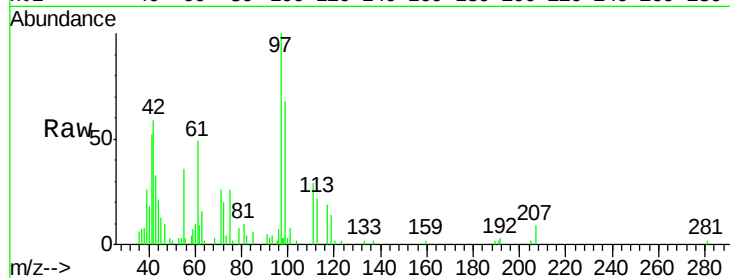
Tgt Ion: 42 Resp: 13995

Ion Ratio Lower Upper

42 100

72 36.5 31.2 46.8

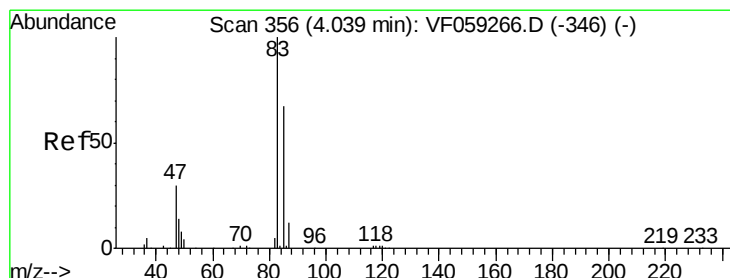
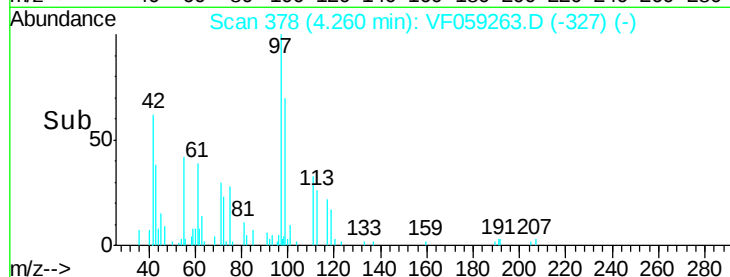
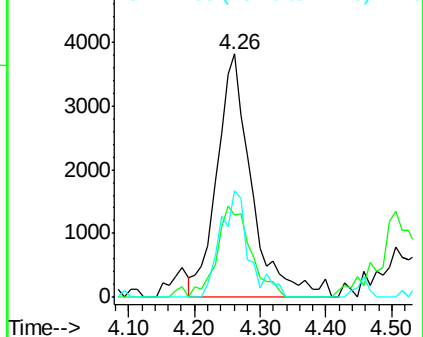
71 35.9 30.2 45.2



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: 6.181 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059263.D

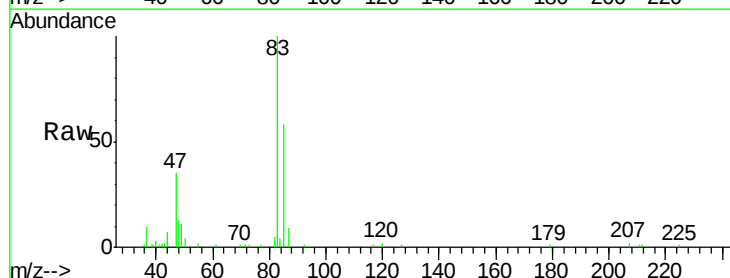
Acq: 21 Jun 2018 15:49

Tgt Ion: 83 Resp: 34700

Ion Ratio Lower Upper

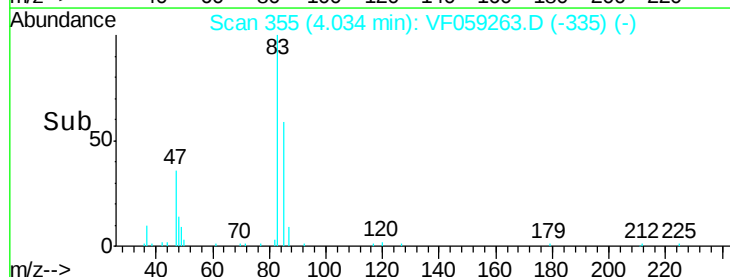
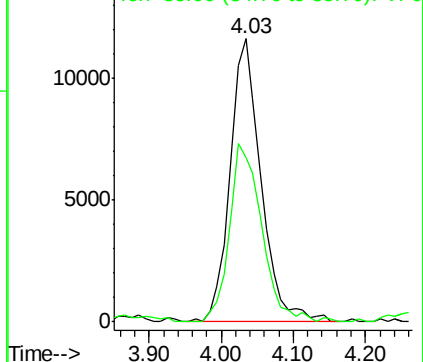
83 100

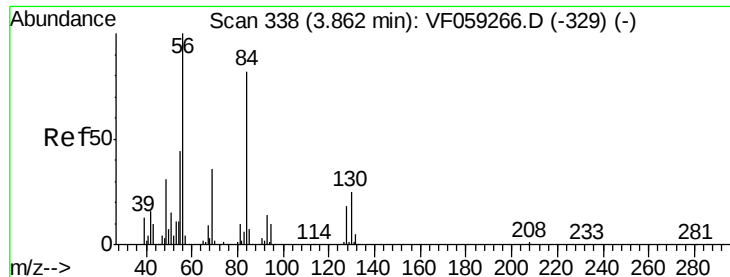
85 58.1 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

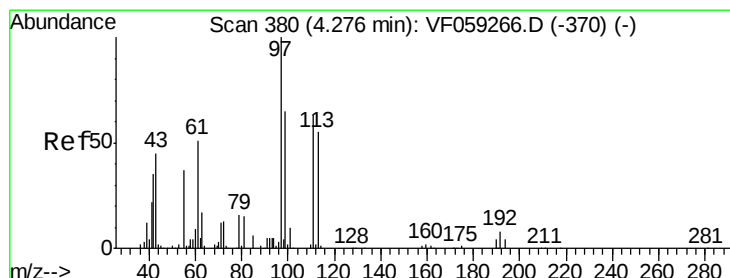
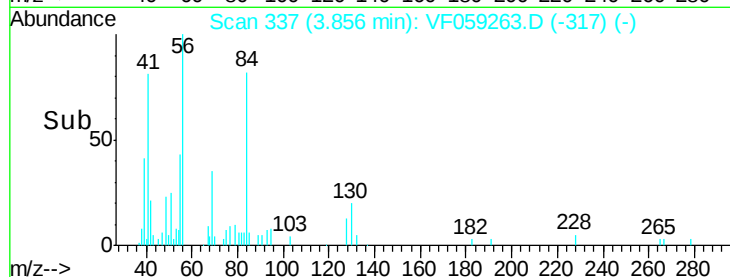
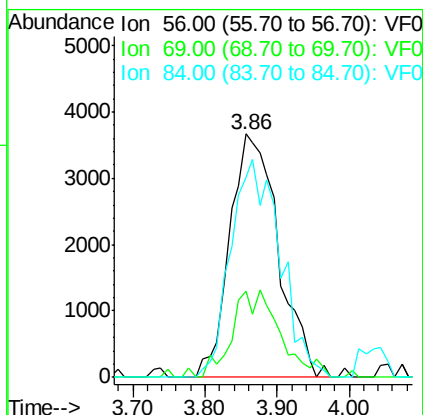
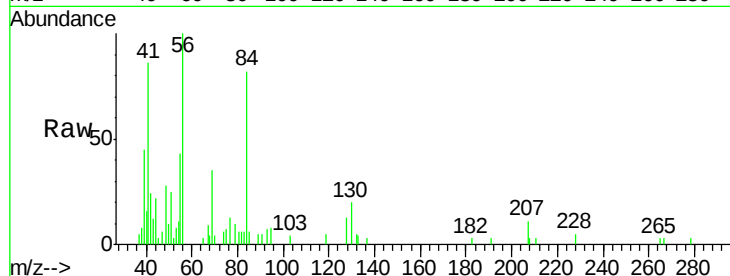




#31
Cyclohexane
Concen: 5.171 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

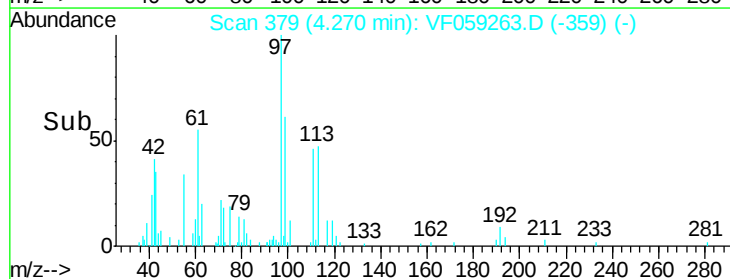
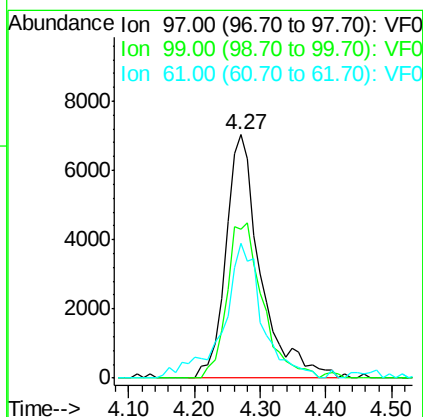
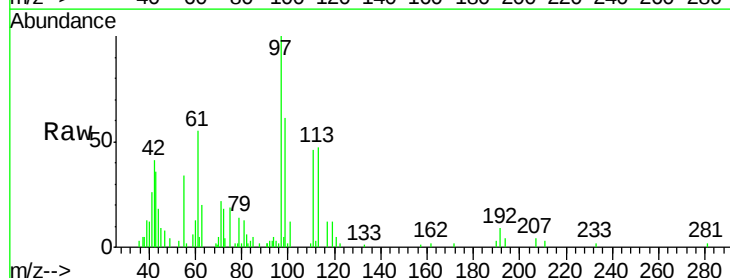
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

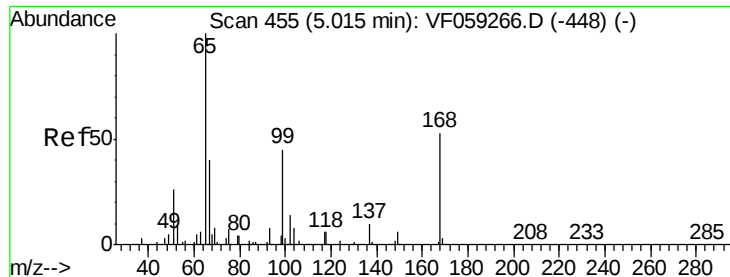
Tgt Ion: 56 Resp: 17165
Ion Ratio Lower Upper
56 100
69 35.3 28.6 43.0
84 82.1 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 6.129 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 97 Resp: 25843
Ion Ratio Lower Upper
97 100
99 61.4 52.4 78.6
61 55.3 40.9 61.3

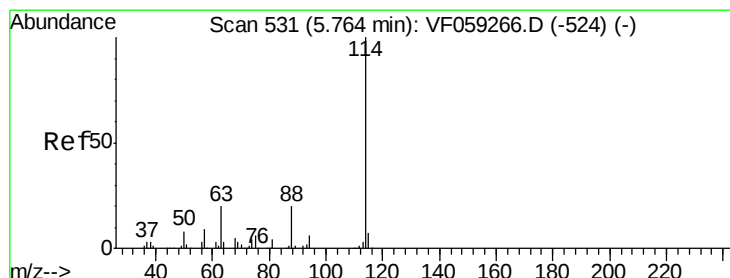
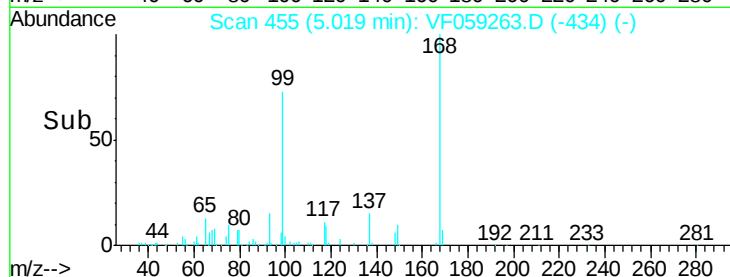
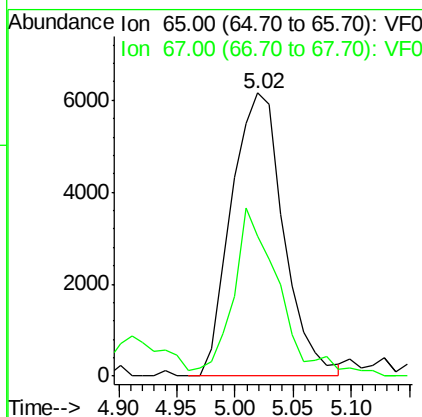
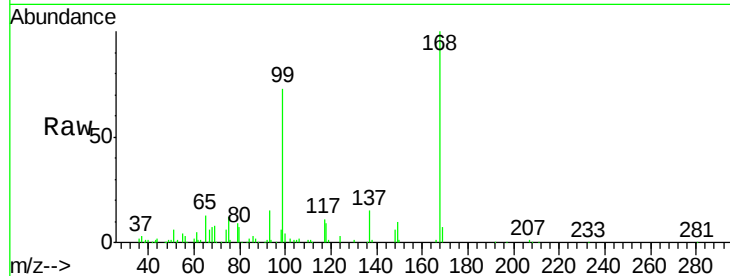




#33
 1,2-Dichloroethane-d4
 Concen: 6.152 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

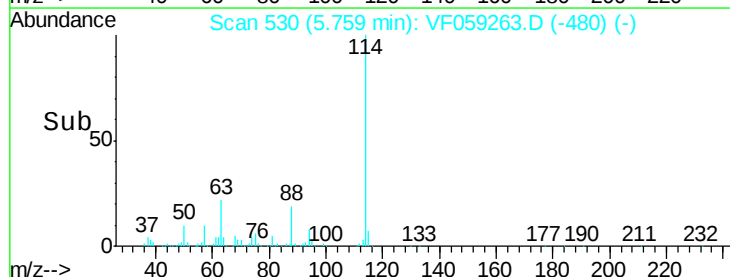
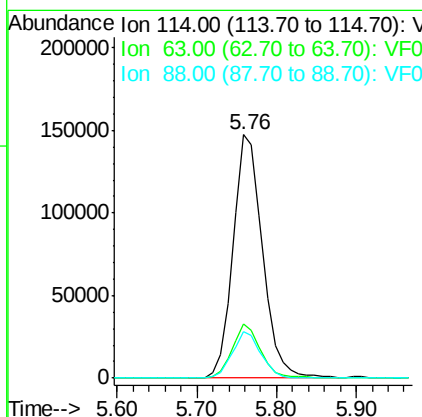
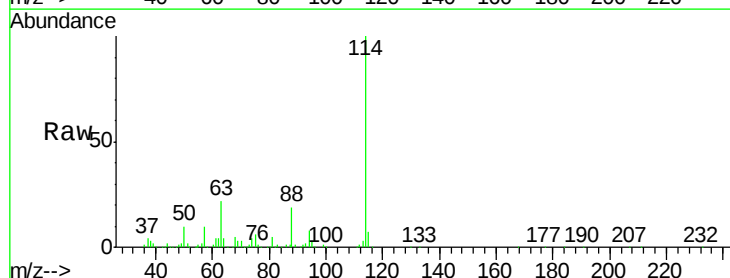
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

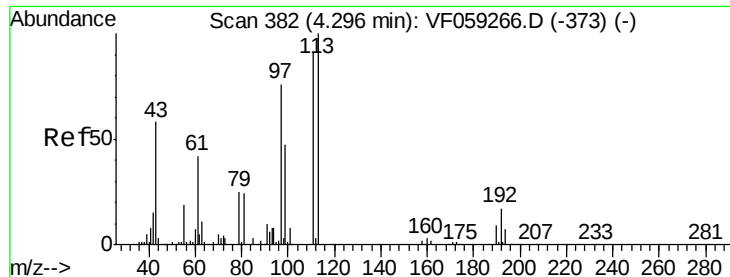
Tgt Ion: 65 Resp: 19152
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

Tgt Ion: 114 Resp: 380647
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.0
 88 19.0 0.0 39.6

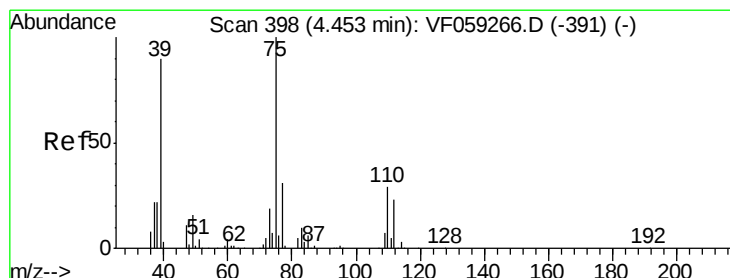
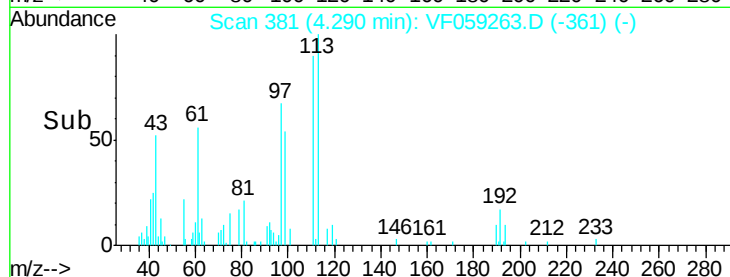
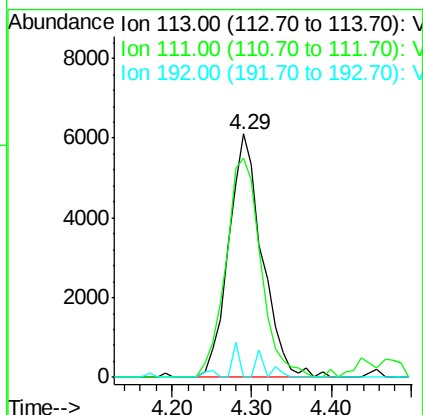
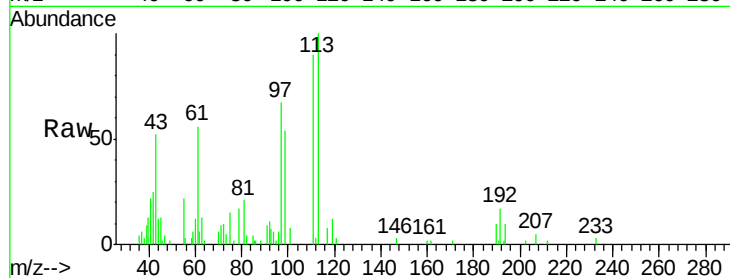




#35
 Dibromofluoromethane
 Concen: 6.635 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

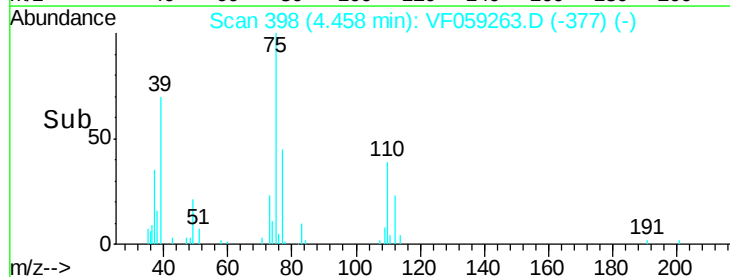
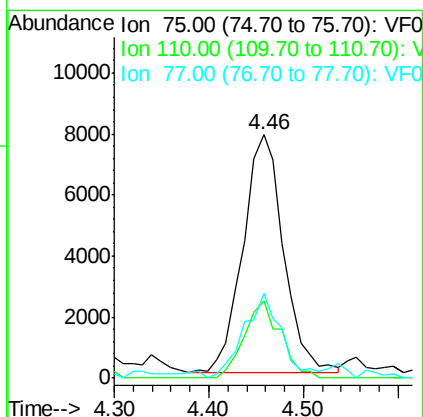
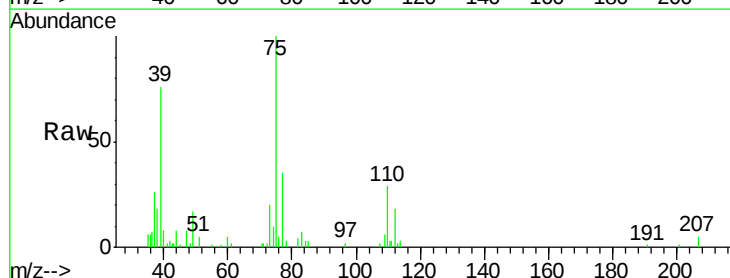
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

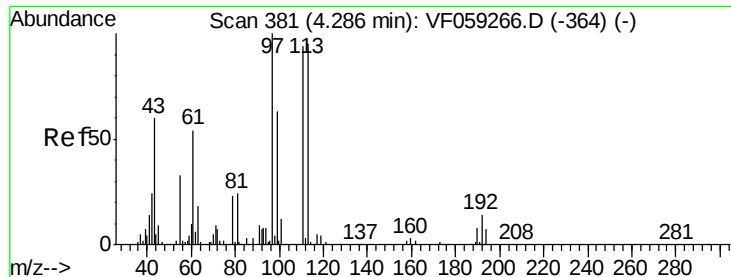
Tgt Ion: 113 Resp: 17888
 Ion Ratio Lower Upper
 113 100
 111 90.3 73.1 109.7
 192 0.0 13.9 20.9#



#36
 1,1-Dichloropropene
 Concen: 6.293 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

Tgt Ion: 75 Resp: 23294
 Ion Ratio Lower Upper
 75 100
 110 32.0 14.5 43.5
 77 35.1 25.0 37.6

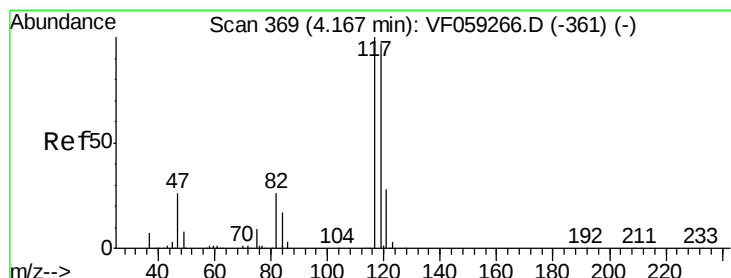
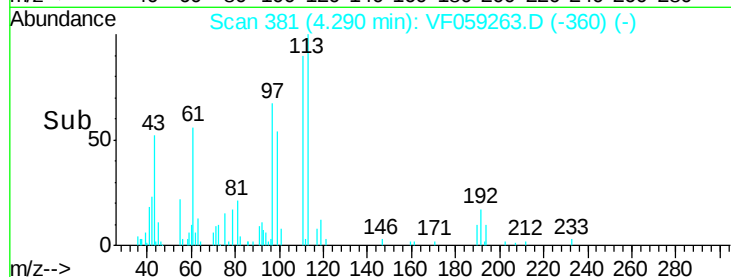
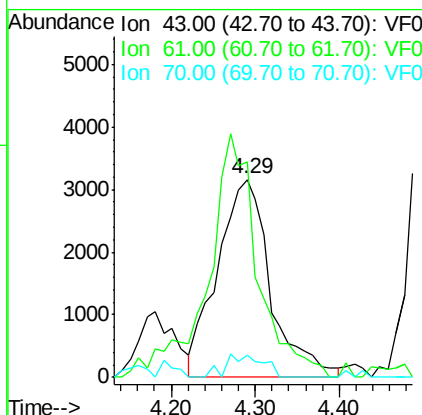
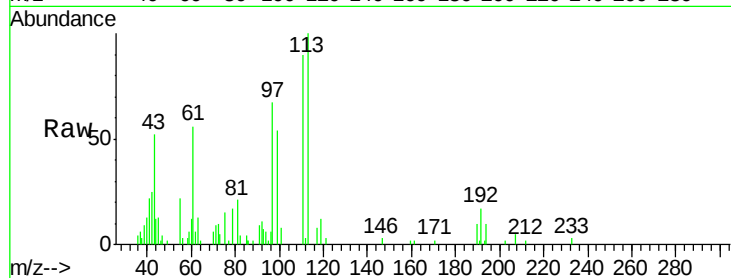




#37
Ethyl Acetate
Concen: 6.003 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

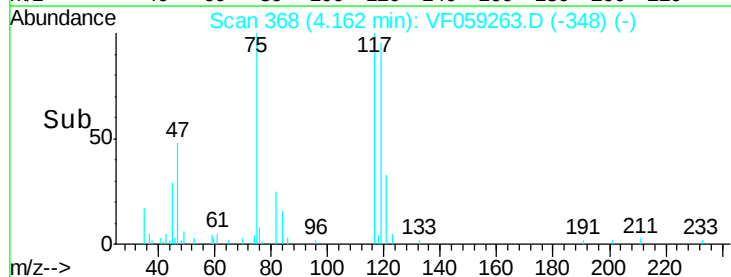
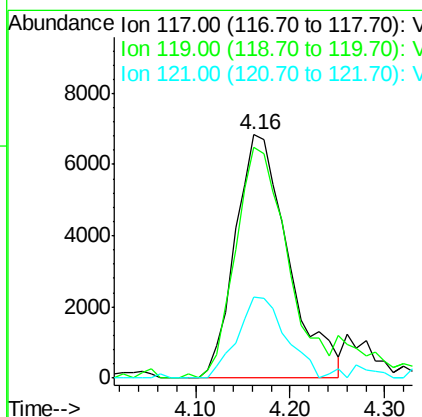
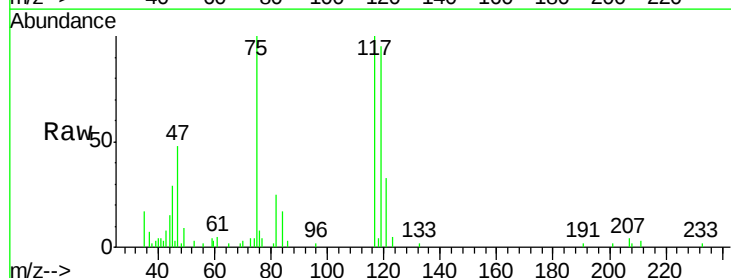
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

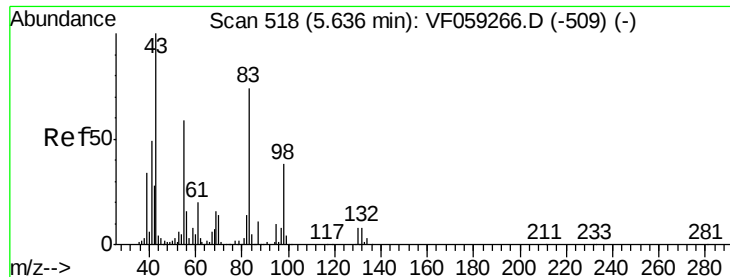
Tgt Ion: 43 Resp: 13872
Ion Ratio Lower Upper
43 100
61 108.7 71.6 107.4#
70 11.2 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 117 Resp: 26516
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3
121 33.3 22.2 33.4

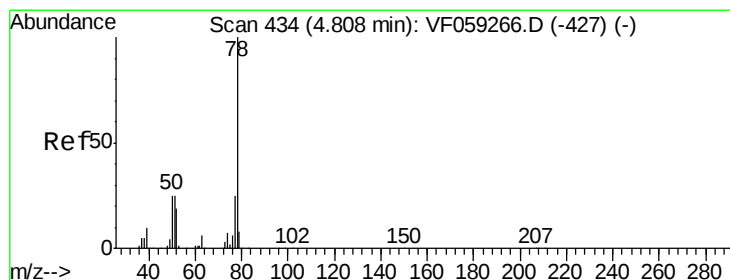
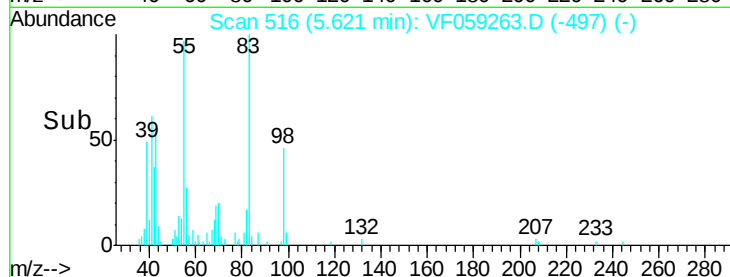
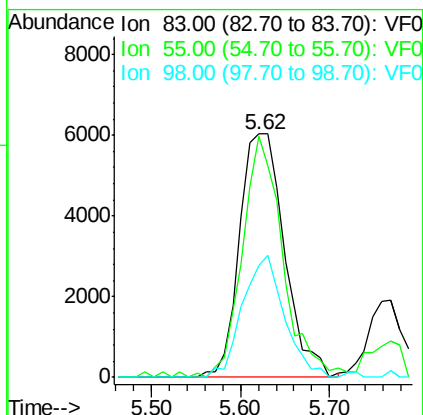
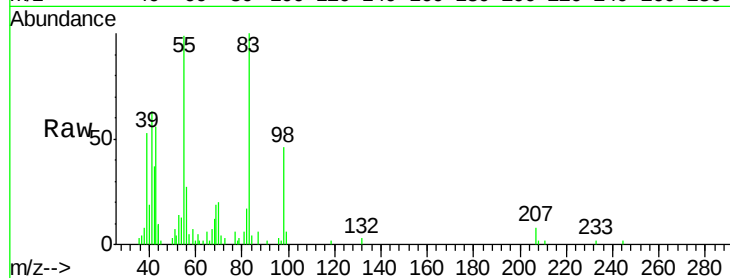




#39
Methylcyclohexane
Concen: 5.756 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

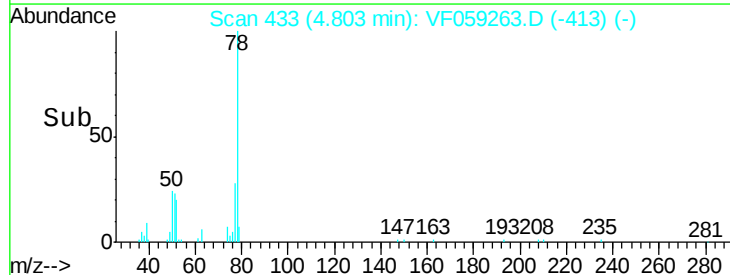
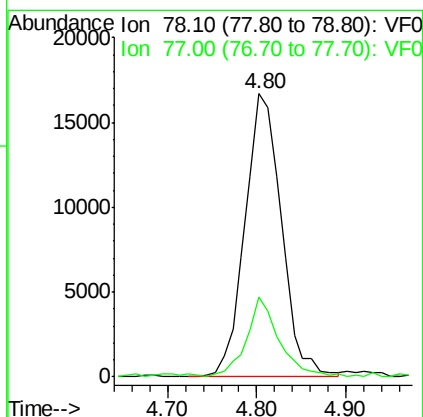
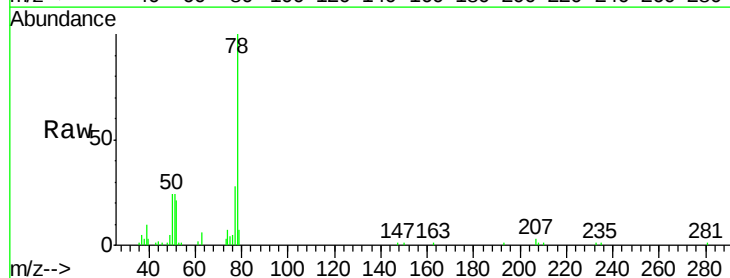
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

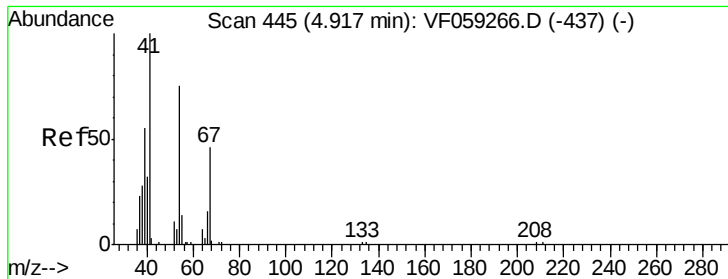
Tgt Ion: 83 Resp: 21102
Ion Ratio Lower Upper
83 100
55 98.8 63.7 95.5#
98 46.1 41.6 62.4



#40
Benzene
Concen: 5.571 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 78 Resp: 47395
Ion Ratio Lower Upper
78 100
77 28.2 20.4 30.6





#41

Methacrylonitrile

Concen: 5.015 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5690

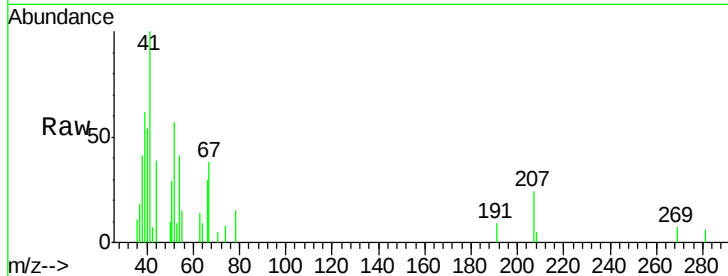
Ion Ratio Lower Upper

41 100

39 62.0 57.0 85.6

67 37.5 36.8 55.2

52 57.0 37.7 56.5#

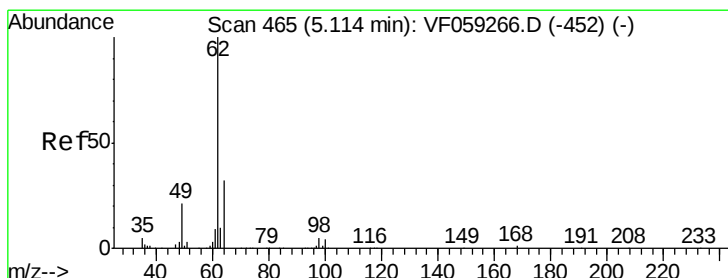
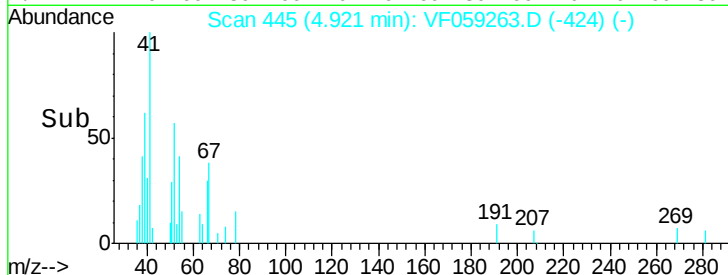
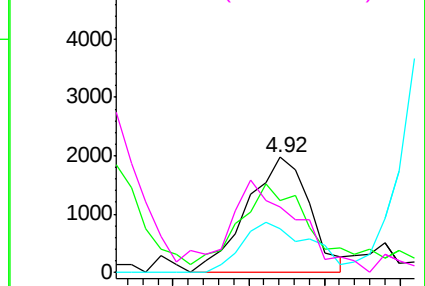


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 6.308 ug/l

RT: 5.12 min Scan# 465

Delta R.T. 0.00 min

Lab File: VF059263.D

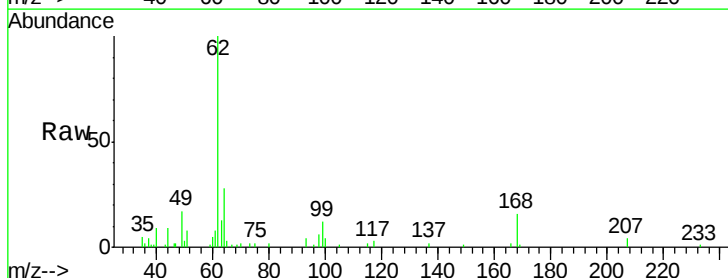
Acq: 21 Jun 2018 15:49

Tgt Ion: 62 Resp: 25365

Ion Ratio Lower Upper

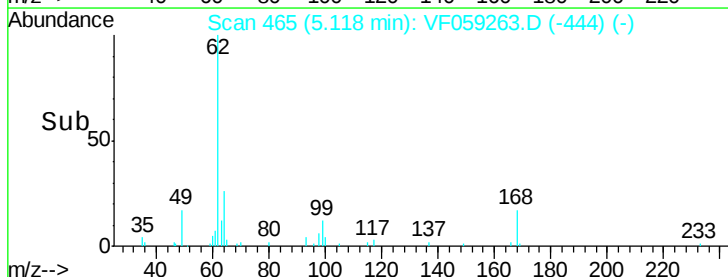
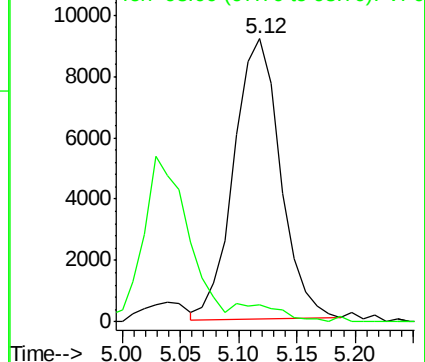
62 100

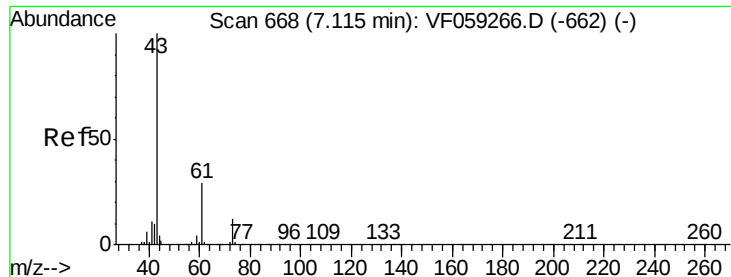
98 6.2 0.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 5.259 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

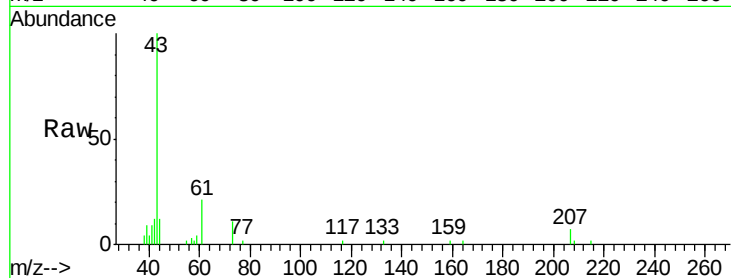
Tgt Ion: 43 Resp: 16329

Ion Ratio Lower Upper

43 100

61 20.5 22.8 34.2#

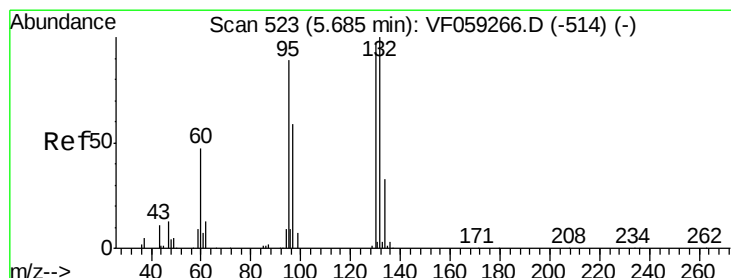
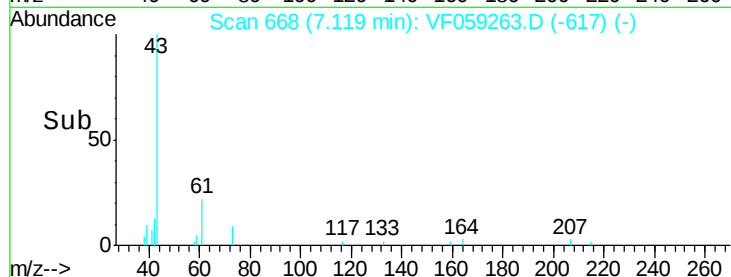
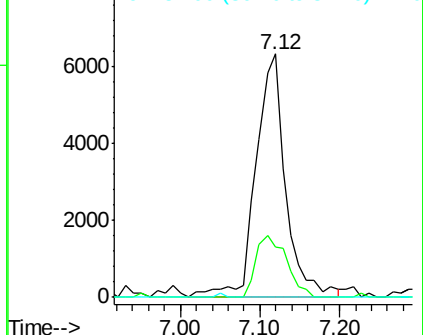
87 0.0 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 5.843 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF059263.D

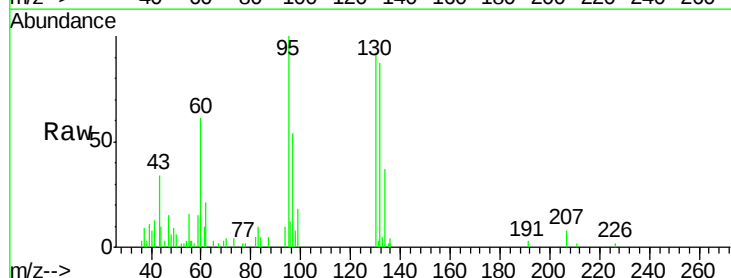
Acq: 21 Jun 2018 15:49

Tgt Ion: 130 Resp: 15951

Ion Ratio Lower Upper

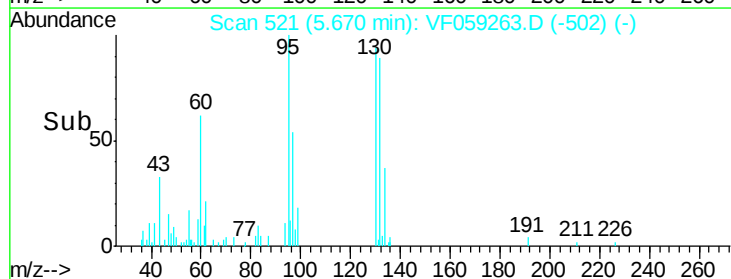
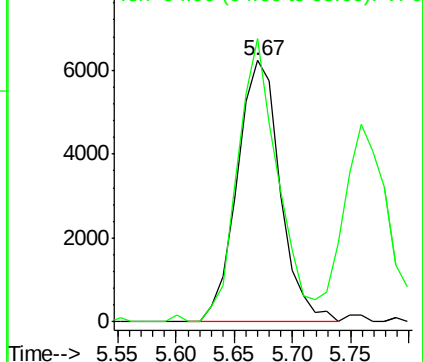
130 100

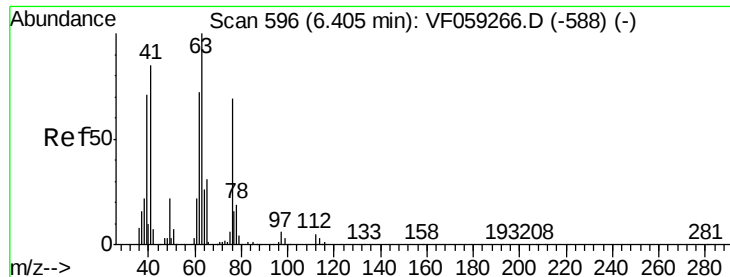
95 108.4 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 5.594 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

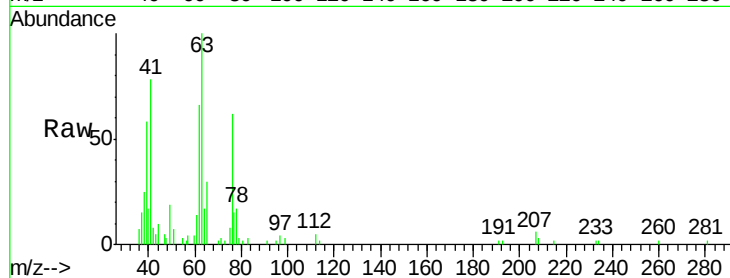
VSTDIC005

Tgt Ion: 63 Resp: 13775

Ion Ratio Lower Upper

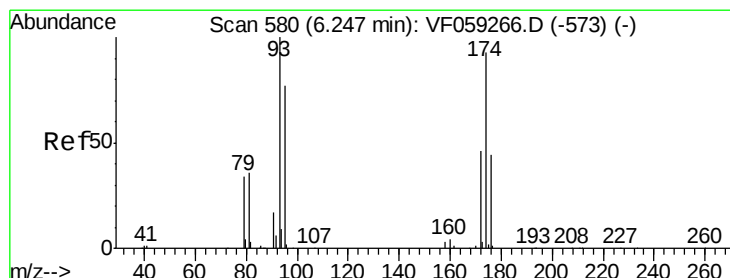
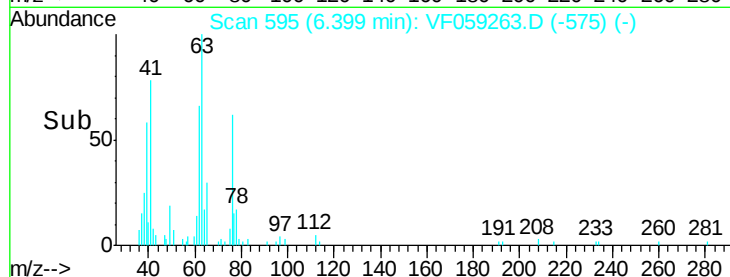
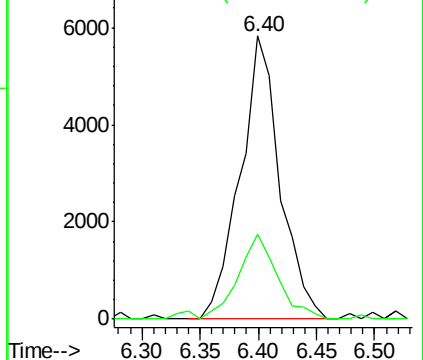
63 100

65 30.2 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 5.760 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

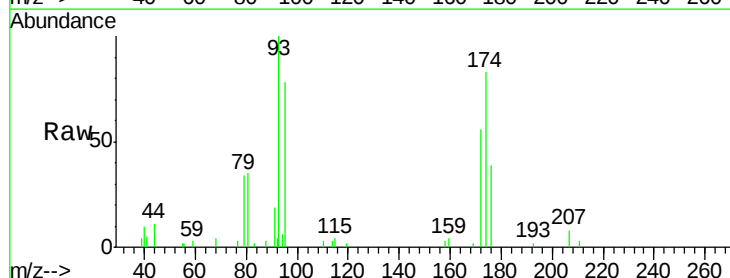
Tgt Ion: 93 Resp: 10814

Ion Ratio Lower Upper

93 100

95 78.0 61.8 92.6

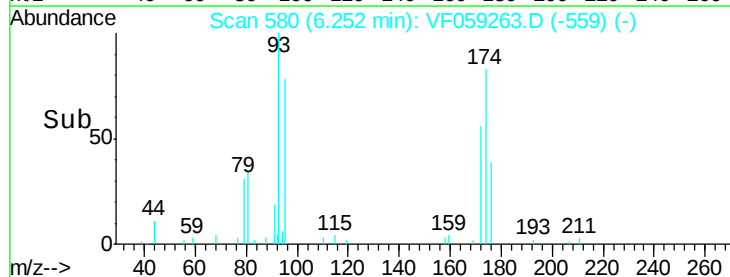
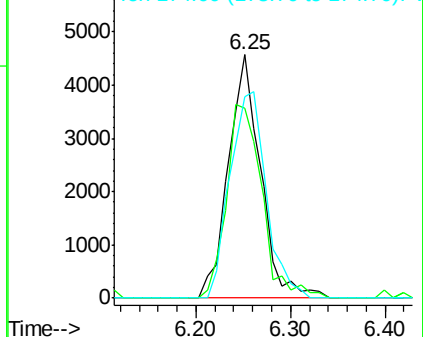
174 82.5 74.4 111.6

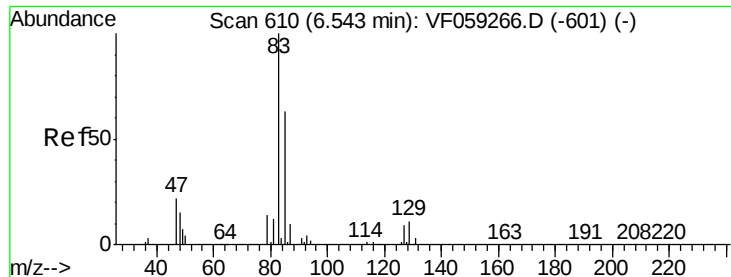


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 5.916 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

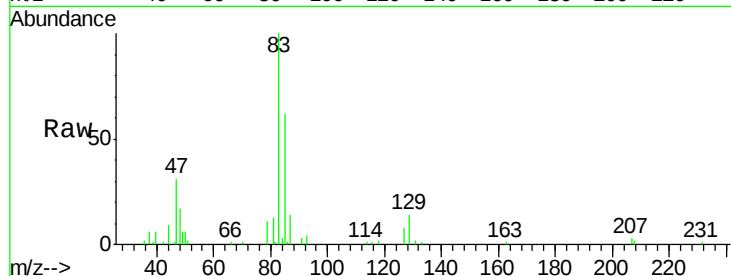
Tgt Ion: 83 Resp: 25633

Ion Ratio Lower Upper

83 100

85 61.9 50.3 75.5

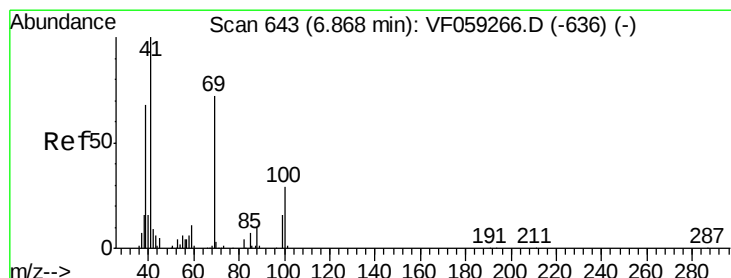
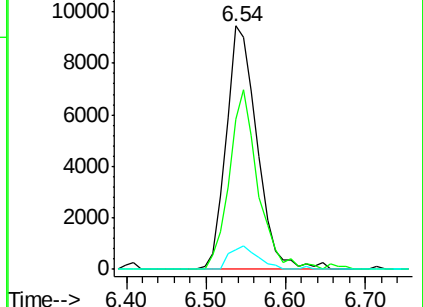
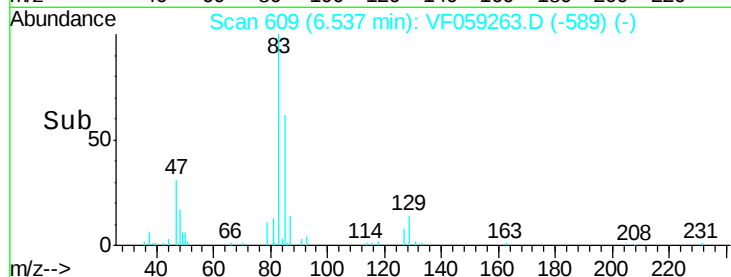
127 8.3 7.0 10.4



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: 4.215 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

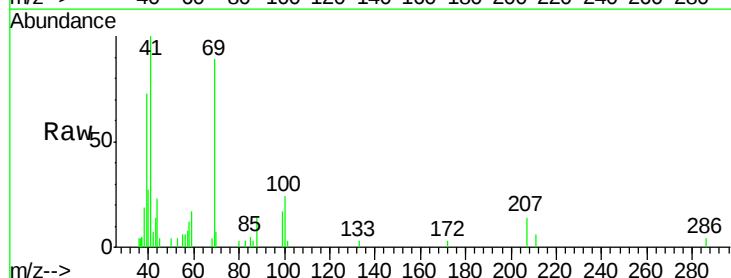
Tgt Ion: 41 Resp: 8014

Ion Ratio Lower Upper

41 100

69 88.9 57.4 86.2#

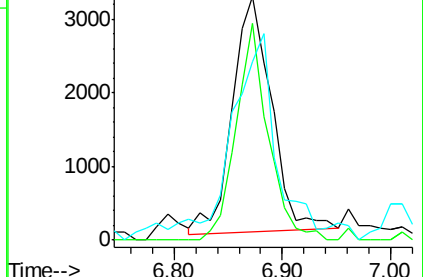
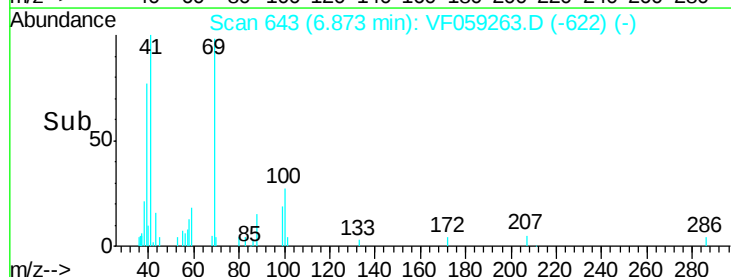
39 73.1 54.8 82.2

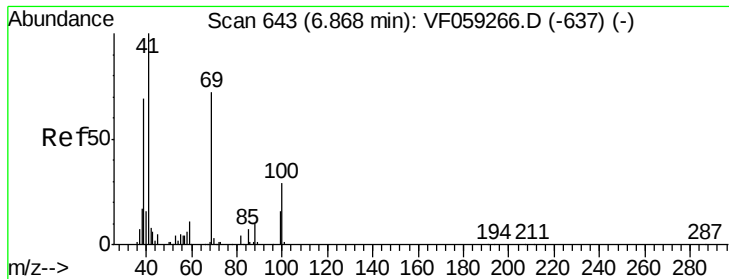


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

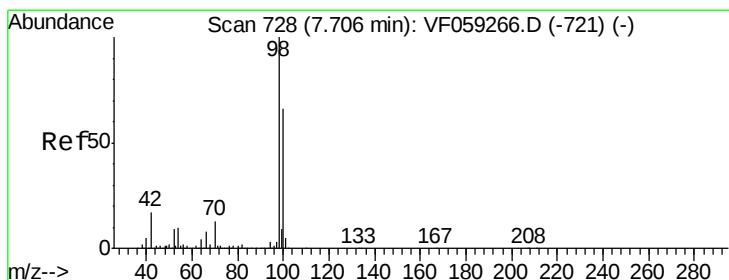
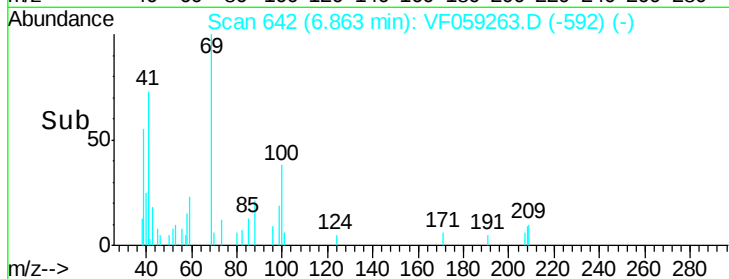
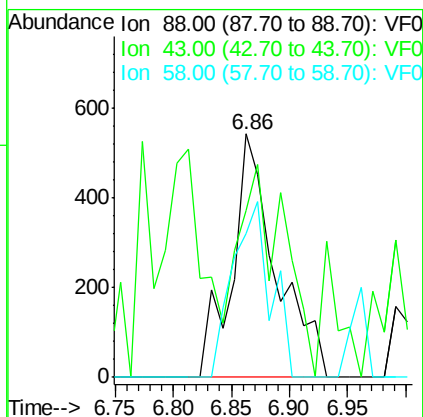
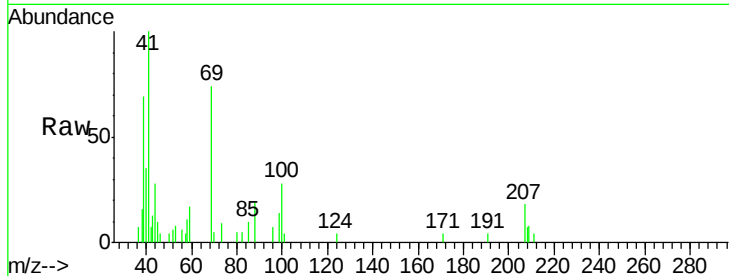




#49
1,4-Dioxane
Concen: 113.378 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

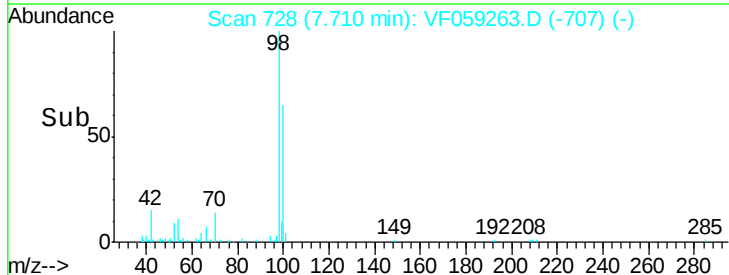
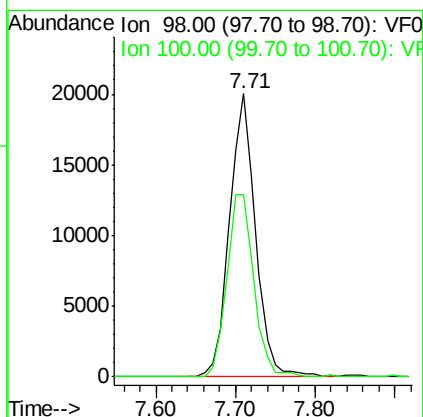
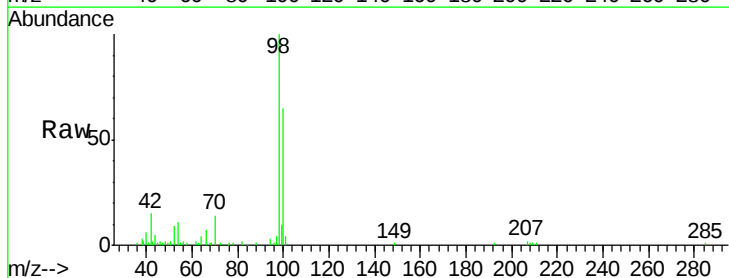
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

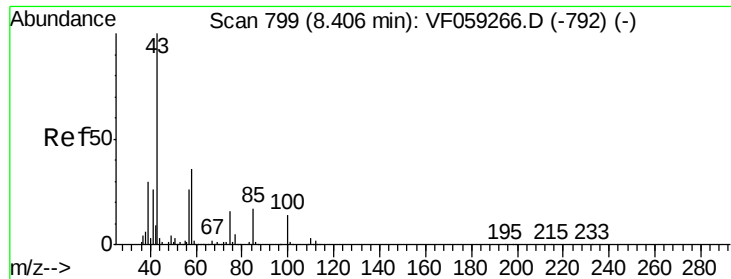
Tgt Ion: 88 Resp: 1428
Ion Ratio Lower Upper
88 100
43 68.7 55.5 83.3
58 59.3 50.1 75.1



#50
Toluene-d8
Concen: 5.902 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 98 Resp: 45728
Ion Ratio Lower Upper
98 100
100 64.5 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 27.960 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

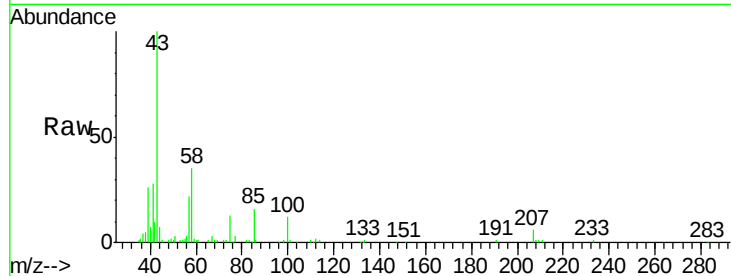
VSTDIC005

Tgt Ion: 43 Resp: 59601

Ion Ratio Lower Upper

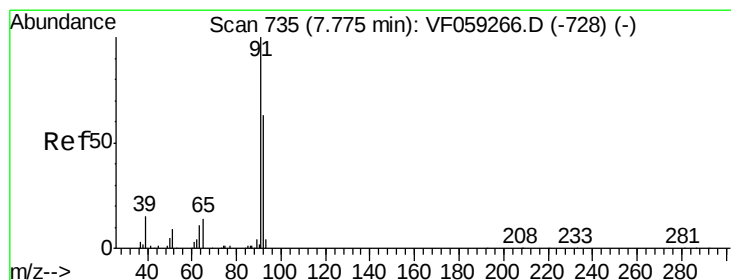
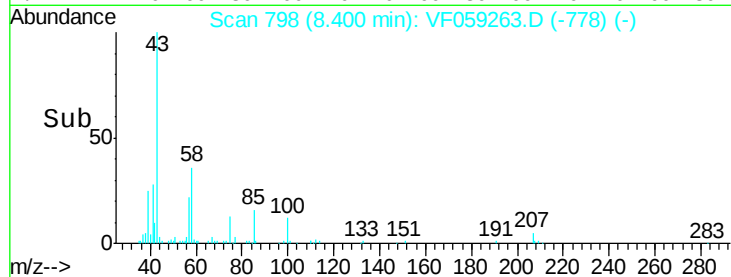
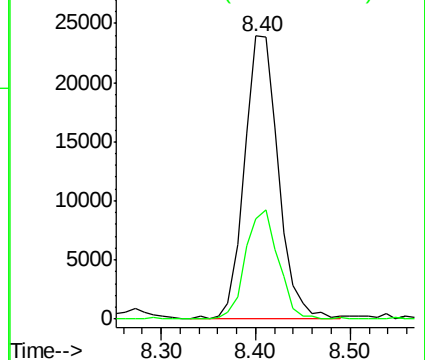
43 100

58 35.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 6.159 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059263.D

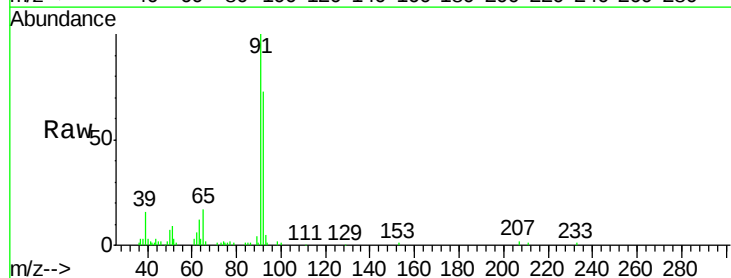
Acq: 21 Jun 2018 15:49

Tgt Ion: 92 Resp: 38078

Ion Ratio Lower Upper

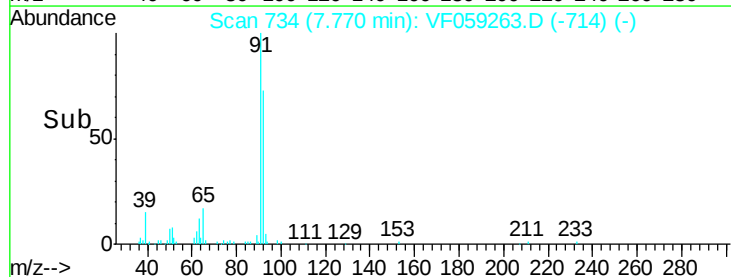
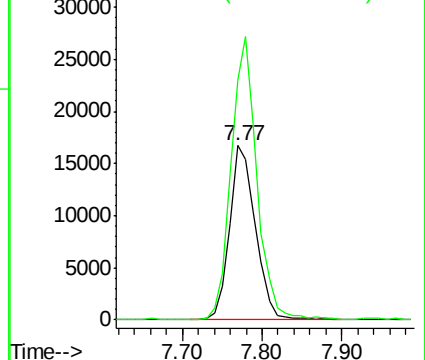
92 100

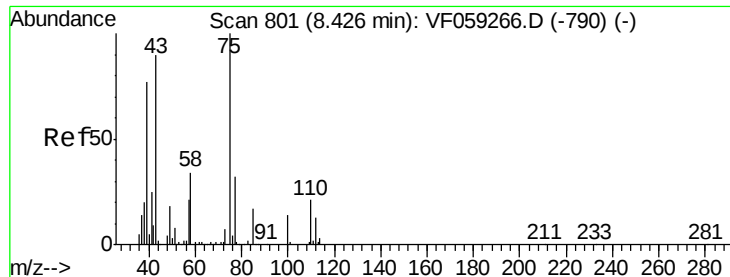
91 137.5 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 6.007 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

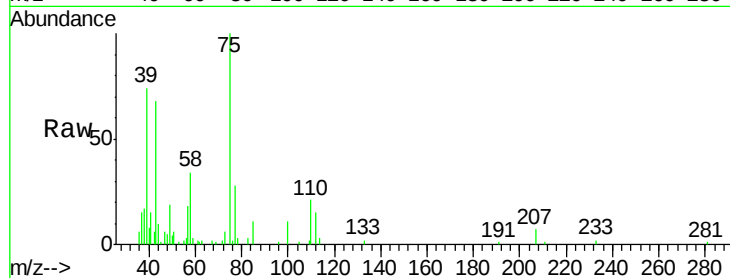
VSTDIC005

Tgt Ion: 75 Resp: 25400

Ion Ratio Lower Upper

75 100

77 28.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

12000

10000

8000

6000

4000

2000

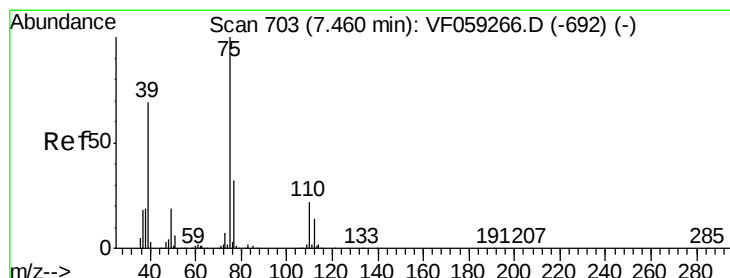
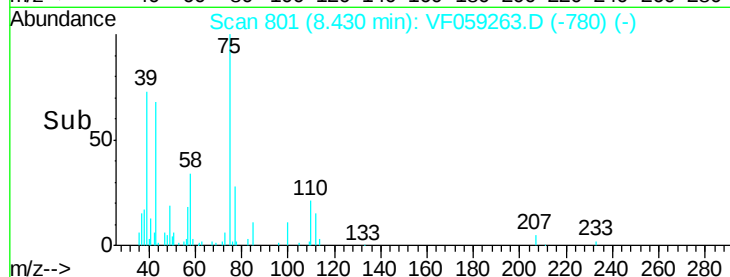
0

Time-->

8.30

8.40

8.50



#54

cis-1,3-Dichloropropene

Concen: 5.311 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

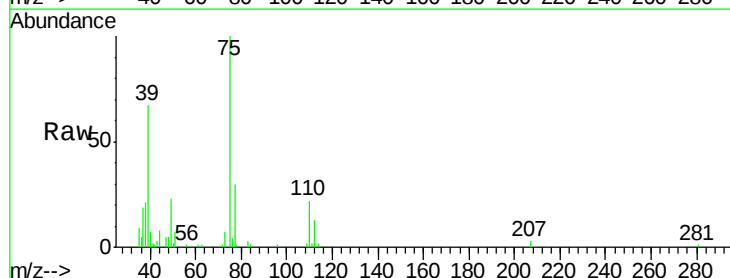
Tgt Ion: 75 Resp: 25215

Ion Ratio Lower Upper

75 100

77 30.2 26.0 39.0

39 66.8 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

15000

10000

5000

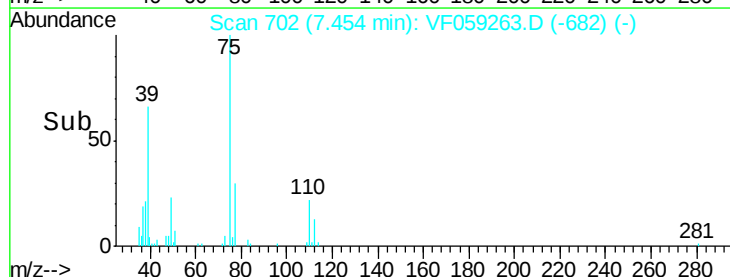
0

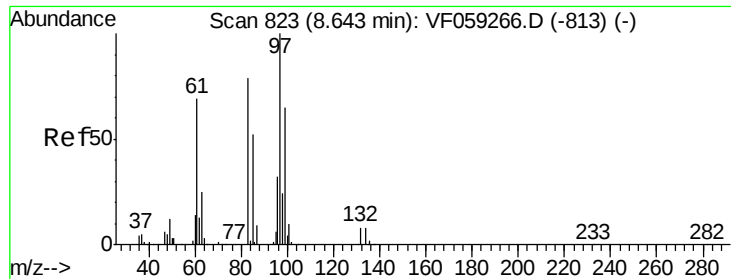
Time-->

7.30

7.40

7.50





#55

1,1,2-Trichloroethane

Concen: 5.808 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

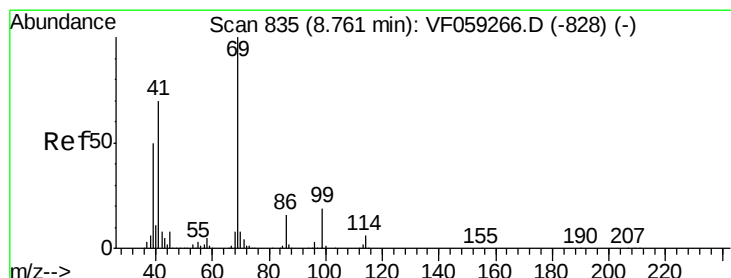
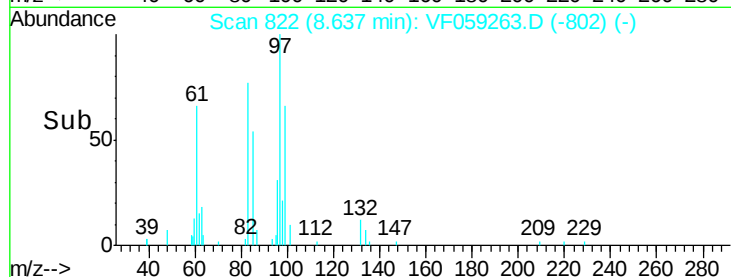
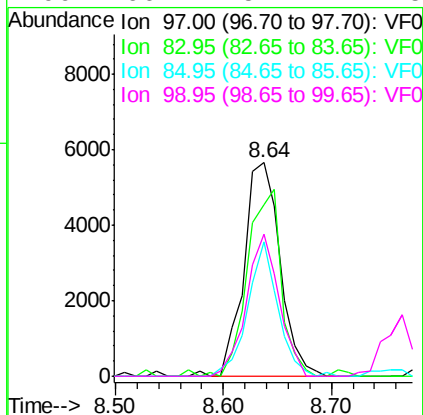
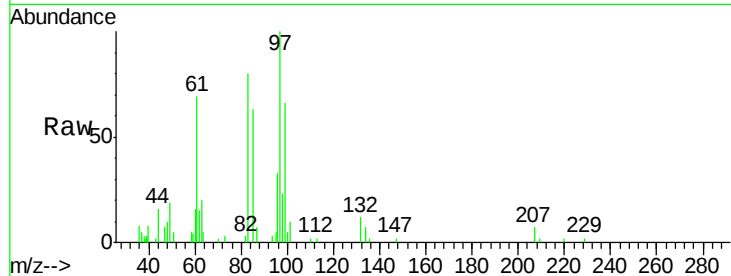
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	13227
Ion	Ratio	Lower	Upper
97	100		
83	80.3	63.2	94.8
85	63.2	41.8	62.6#
99	66.2	51.7	77.5



#56

Ethyl methacrylate

Concen: 4.867 ug/l

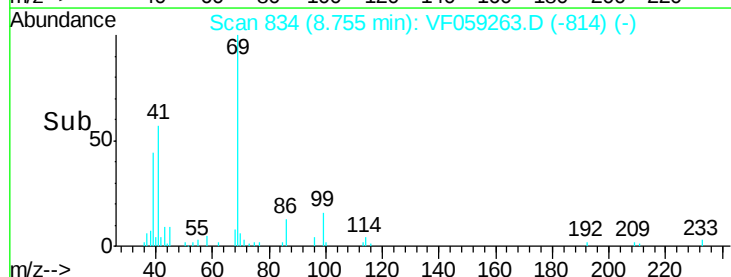
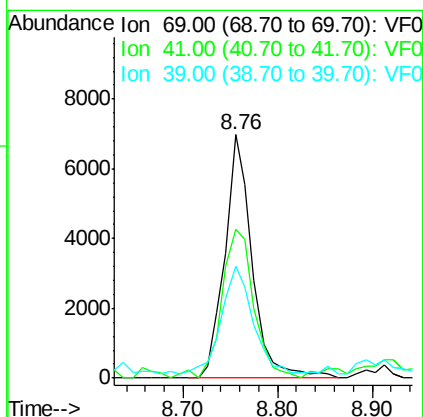
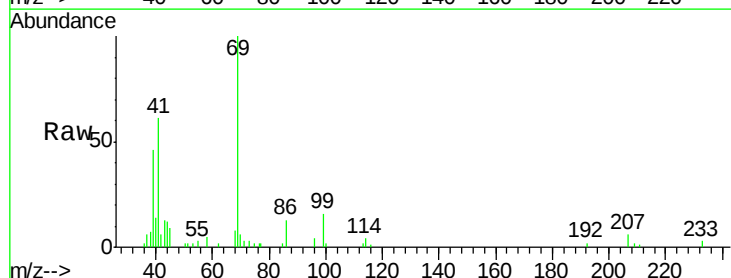
RT: 8.76 min Scan# 834

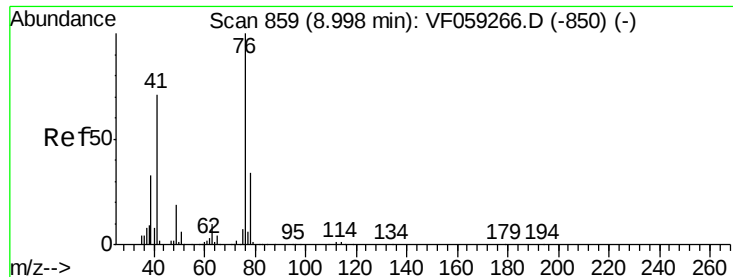
Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Tgt Ion:	69	Resp:	13966
Ion	Ratio	Lower	Upper
69	100		
41	61.0	56.6	85.0
39	45.7	40.5	60.7





#57

1,3-Dichloropropane

Concen: 5.861 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

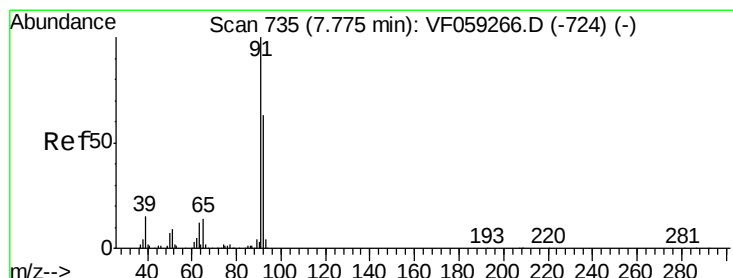
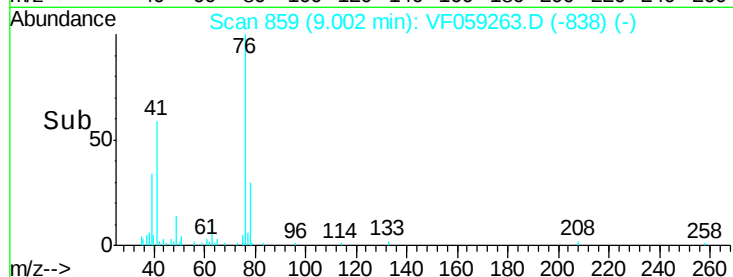
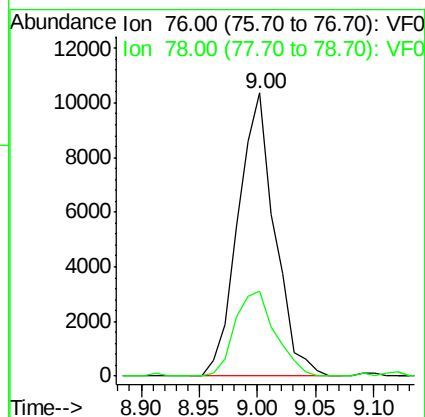
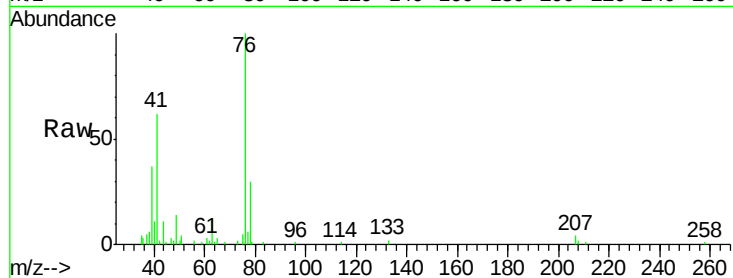
VSTDIC005

Tgt Ion: 76 Resp: 22659

Ion Ratio Lower Upper

76 100

78 29.9 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 28.896 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059263.D

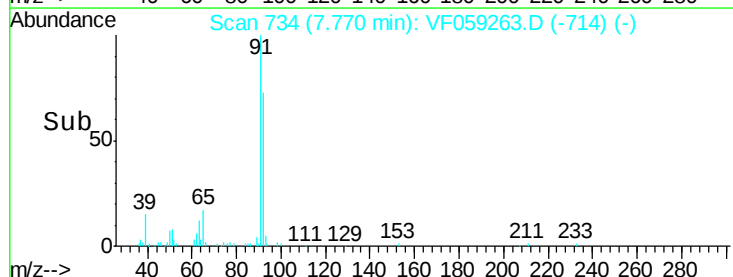
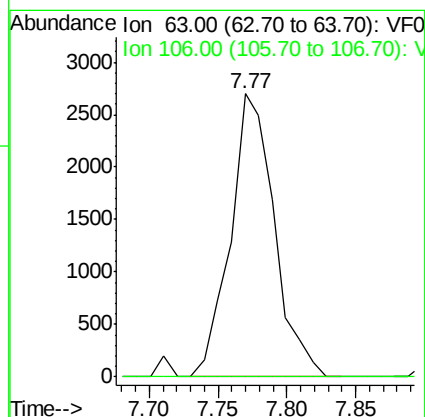
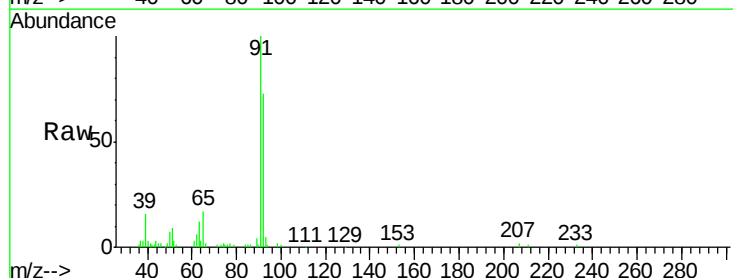
Acq: 21 Jun 2018 15:49

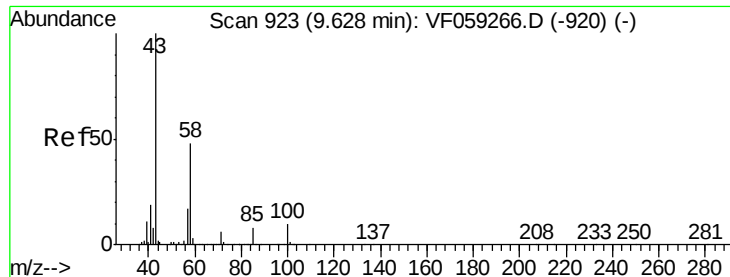
Tgt Ion: 63 Resp: 5985

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

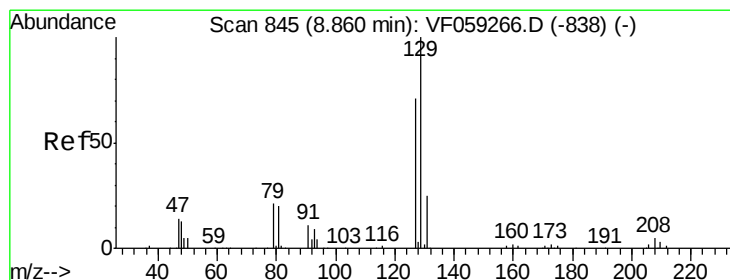
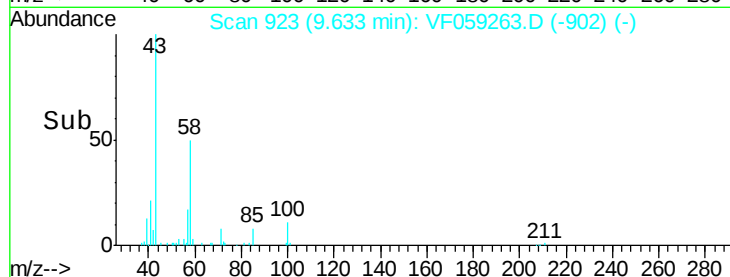
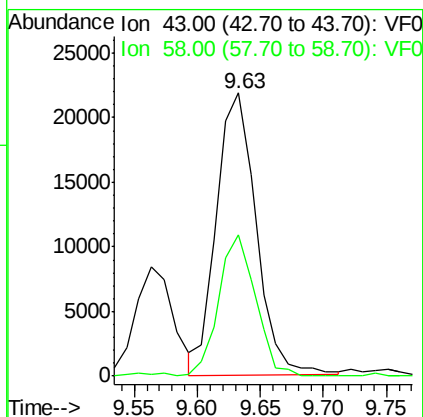
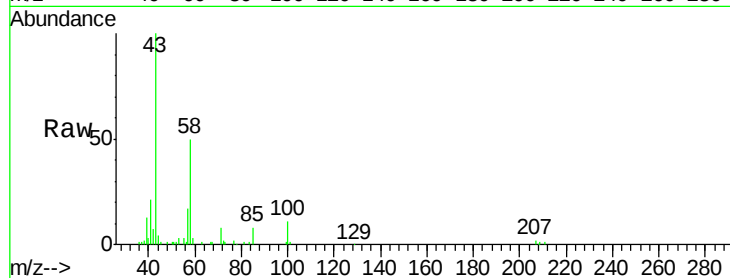




#59
2-Hexanone
Concen: 28.230 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

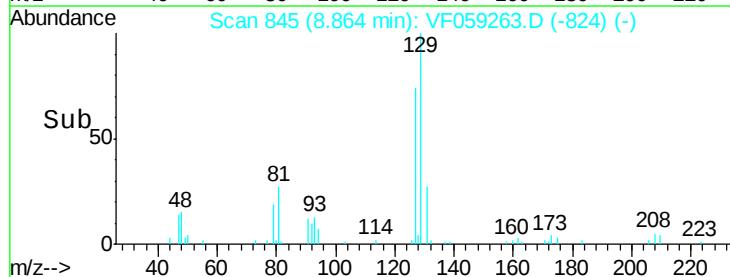
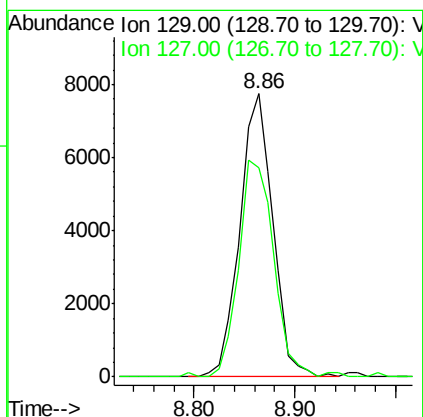
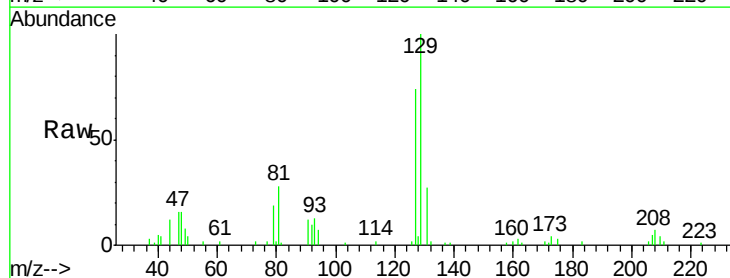
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

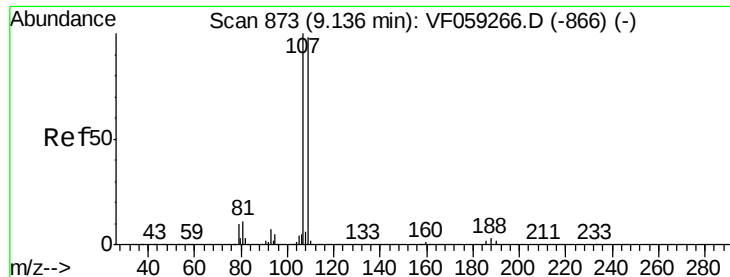
Tgt Ion: 43 Resp: 47626
Ion Ratio Lower Upper
43 100
58 49.8 23.3 69.9



#60
Dibromochloromethane
Concen: 5.339 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion: 129 Resp: 17664
Ion Ratio Lower Upper
129 100
127 77.7 35.4 106.2





#61

1,2-Dibromoethane

Concen: 5.362 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

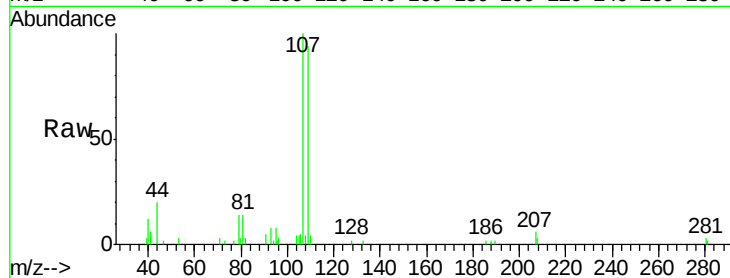
VSTDIC005

Tgt Ion: 107 Resp: 14214

Ion Ratio Lower Upper

107 100

109 94.4 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

6000

4000

2000

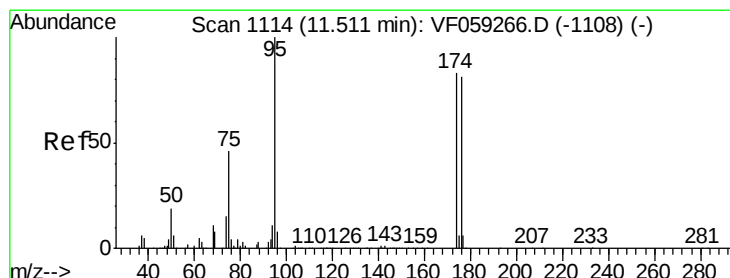
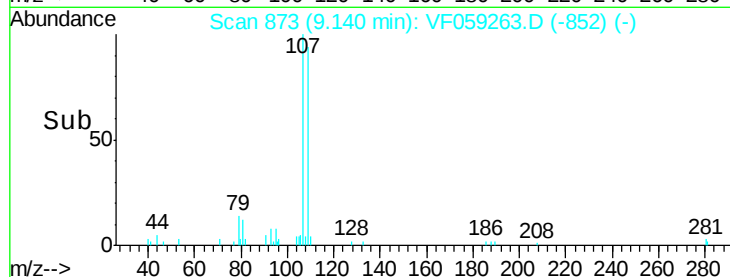
0

9.14

9.10

9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 6.079 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

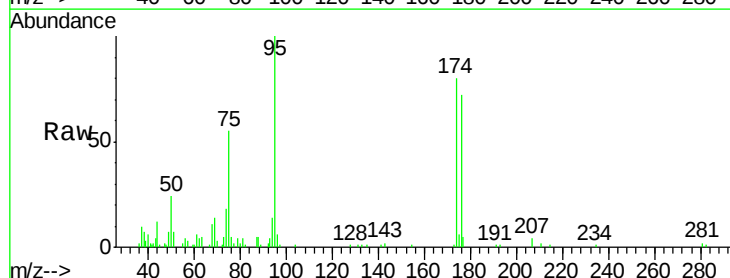
Tgt Ion: 95 Resp: 24799

Ion Ratio Lower Upper

95 100

174 80.1 0.0 166.2

176 71.9 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

20000

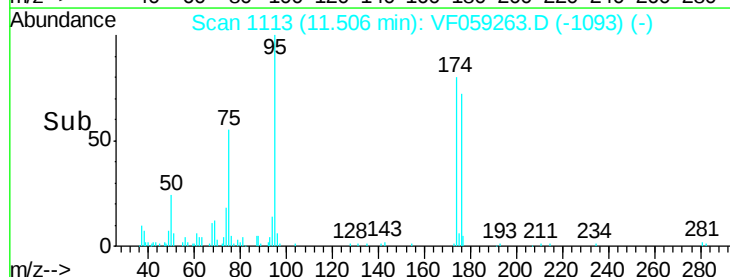
15000

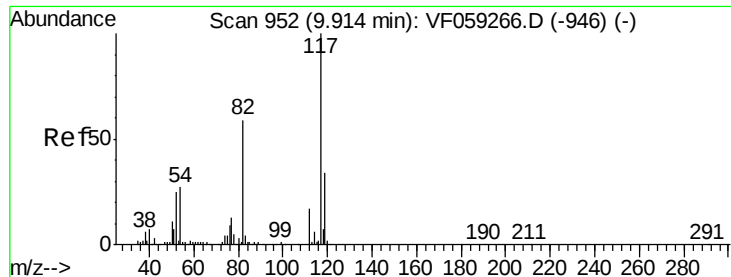
11.51

11.40

11.60

Time-->

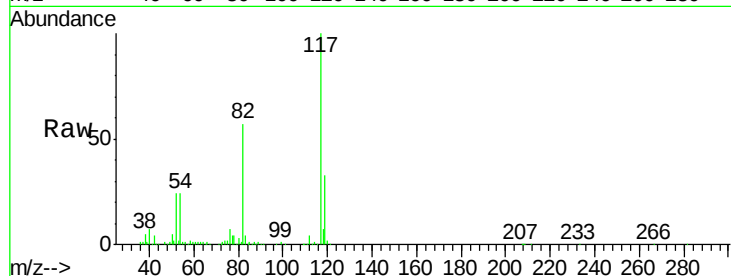




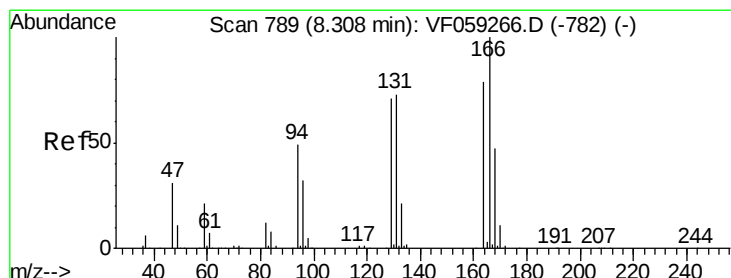
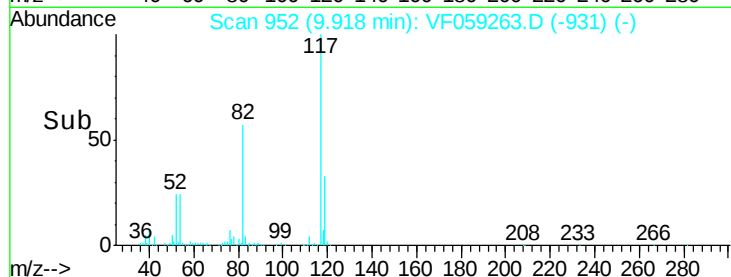
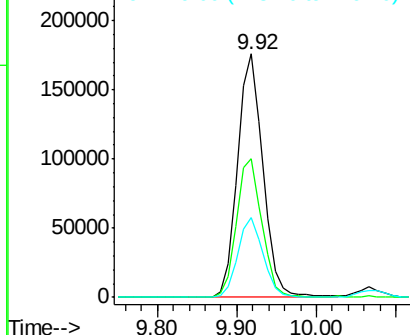
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 389387
Ion Ratio Lower Upper
117 100
82 56.9 47.1 70.7
119 32.7 26.9 40.3



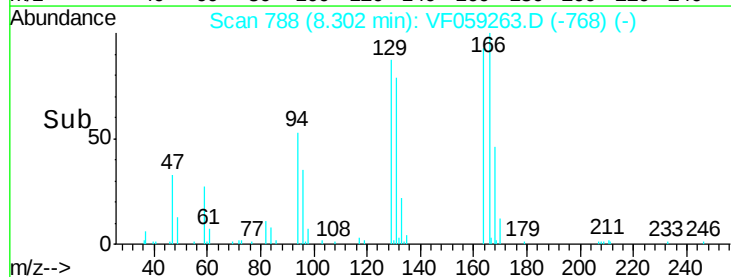
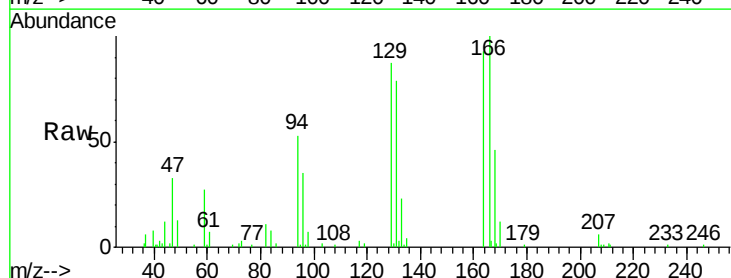
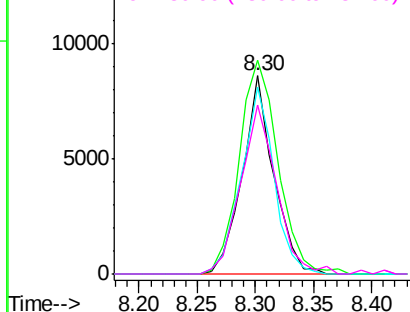
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

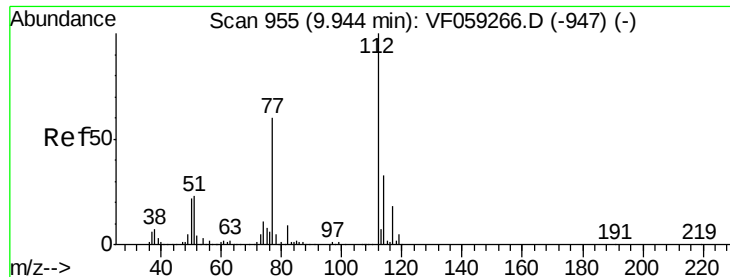


#64
Tetrachloroethene
Concen: 5.593 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion:164 Resp: 16087
Ion Ratio Lower Upper
164 100
166 107.7 101.4 152.2
129 94.1 72.2 108.4
131 85.5 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: 5.611 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

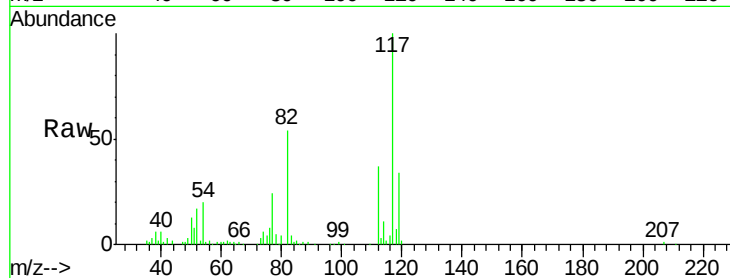
VSTDIC005

Tgt Ion:112 Resp: 43825

Ion Ratio Lower Upper

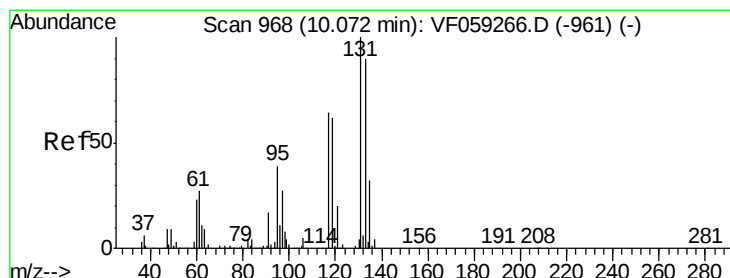
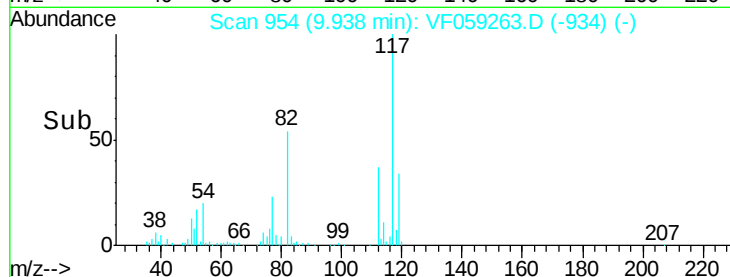
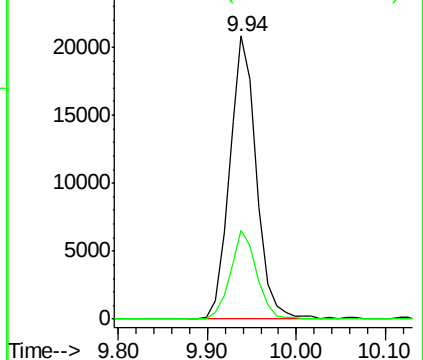
112 100

114 31.4 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: 5.796 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

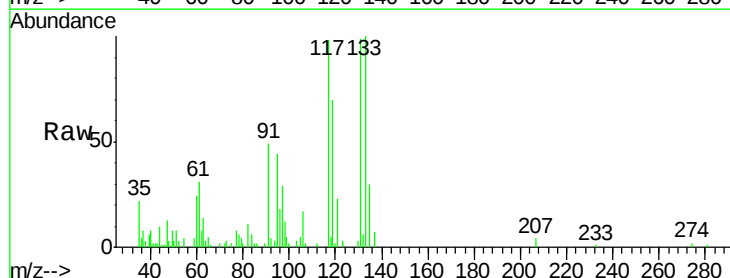
Tgt Ion:131 Resp: 18105

Ion Ratio Lower Upper

131 100

133 100.7 45.1 135.2

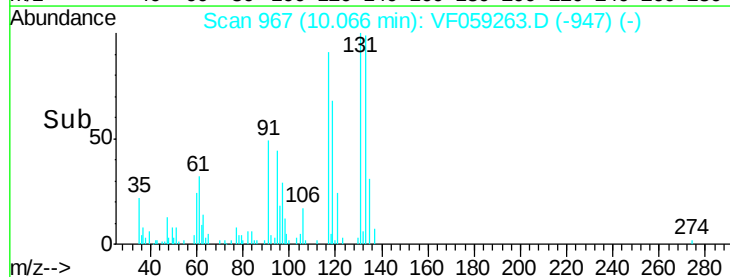
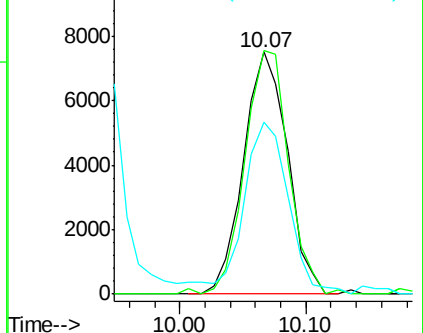
119 70.8 31.2 93.6

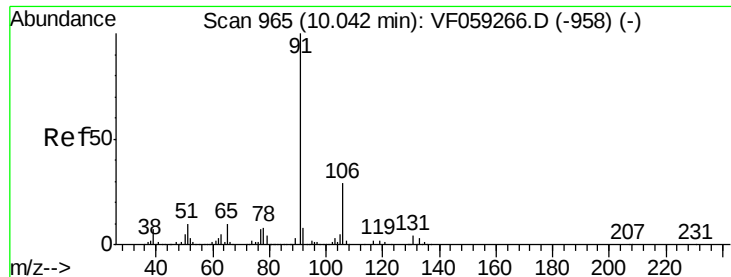


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 5.928 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

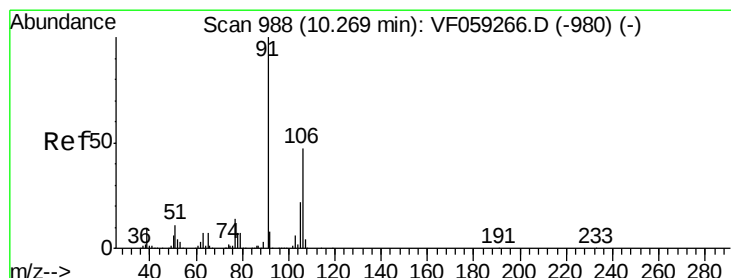
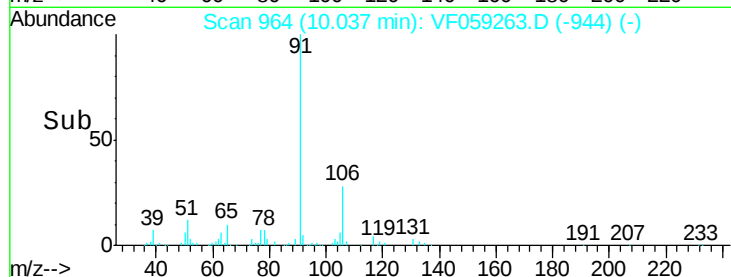
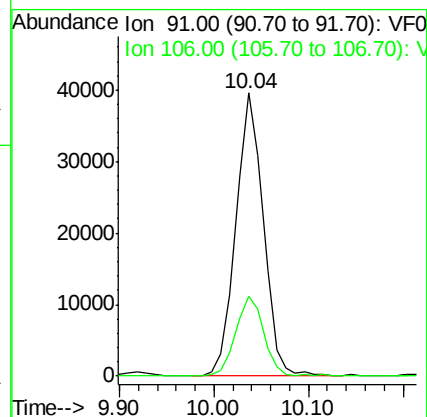
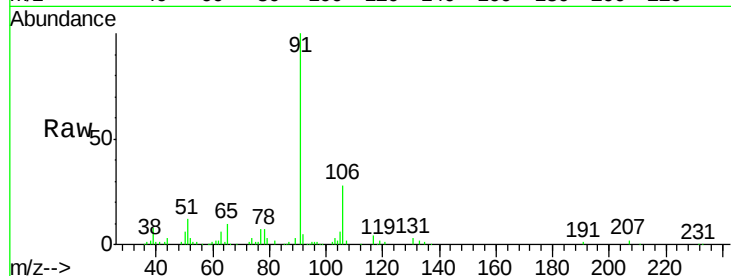
VSTDIC005

Tgt Ion: 91 Resp: 79740

Ion Ratio Lower Upper

91 100

106 28.3 23.4 35.2



#68

m/p-Xylenes

Concen: 10.958 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059263.D

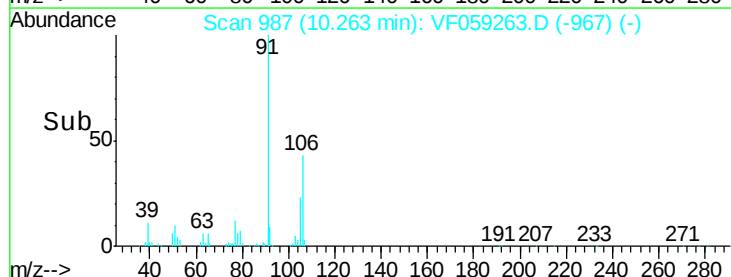
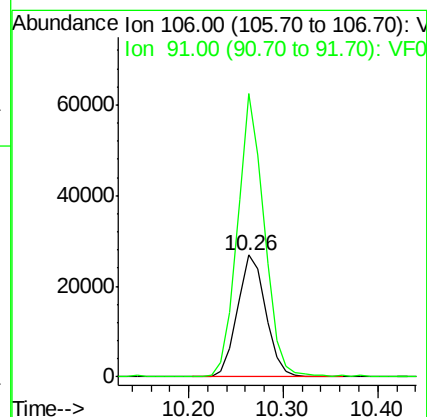
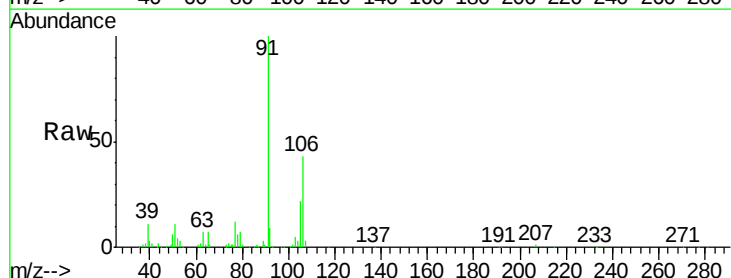
Acq: 21 Jun 2018 15:49

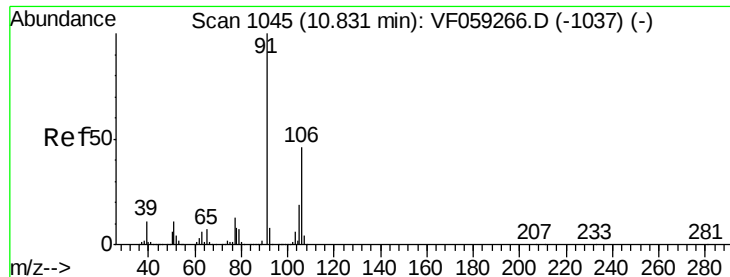
Tgt Ion: 106 Resp: 55958

Ion Ratio Lower Upper

106 100

91 233.0 168.8 253.2

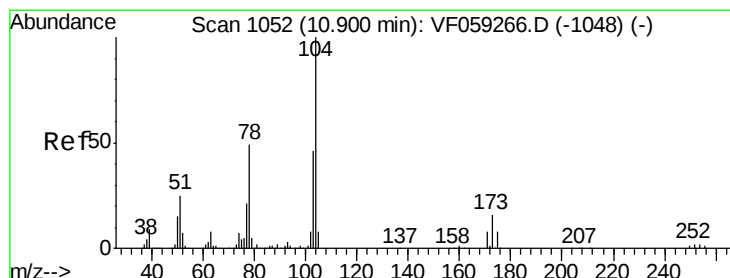
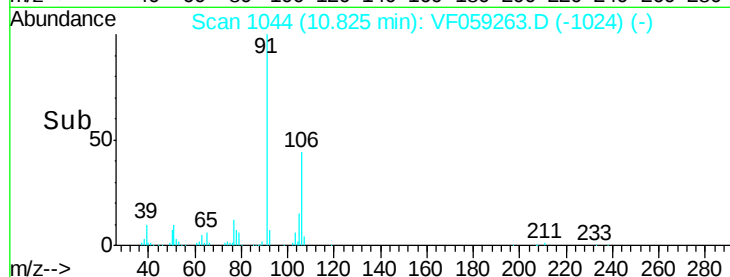
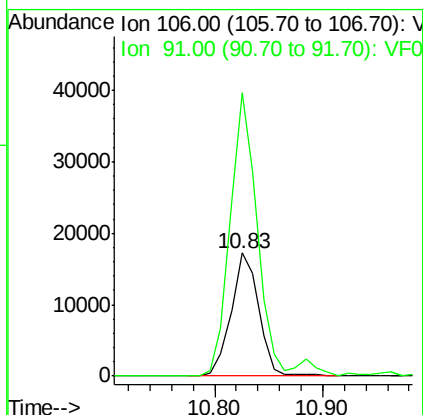
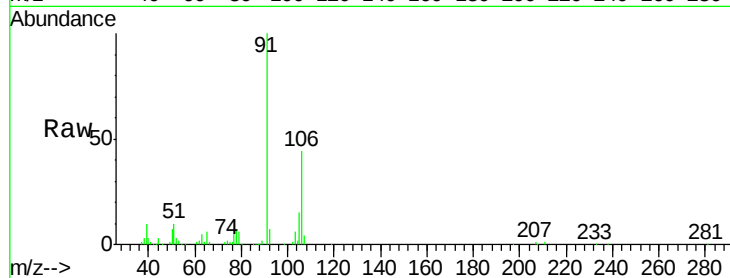




#69
o-Xylene
Concen: 5.594 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

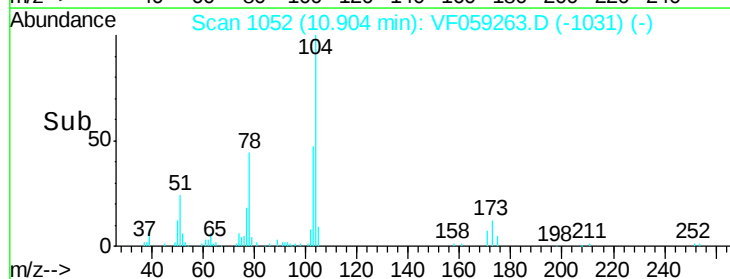
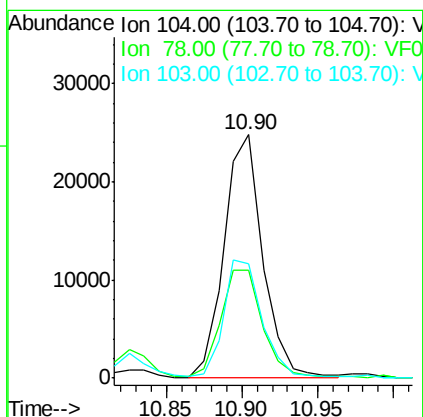
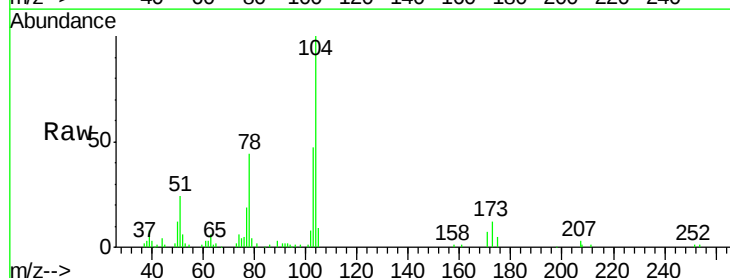
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

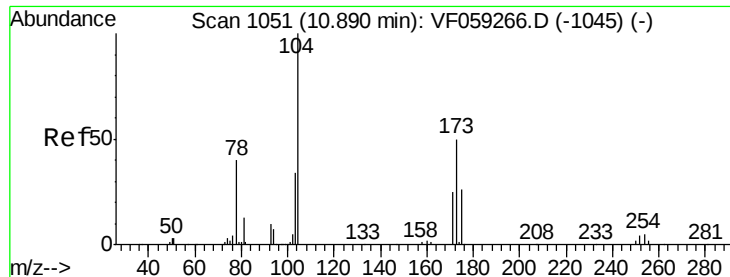
Tgt Ion:106 Resp: 30729
Ion Ratio Lower Upper
106 100
91 229.9 109.1 327.4



#70
Styrene
Concen: 5.346 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion:104 Resp: 44175
Ion Ratio Lower Upper
104 100
78 44.2 39.3 58.9
103 46.8 36.6 55.0





#71

Bromoform

Concen: 5.857 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

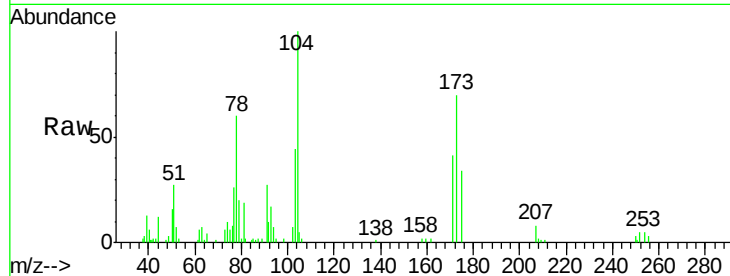
Tgt Ion:173 Resp: 12596

Ion Ratio Lower Upper

173 100

175 47.7 25.4 76.4

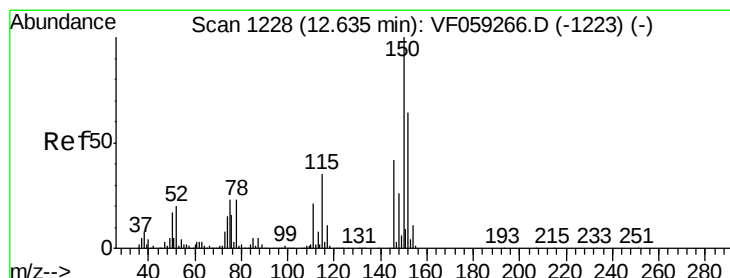
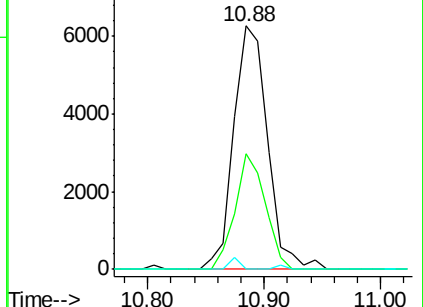
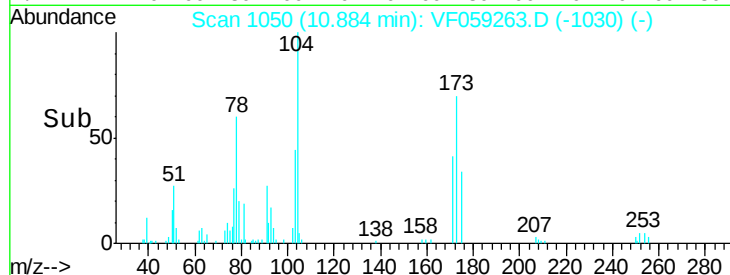
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

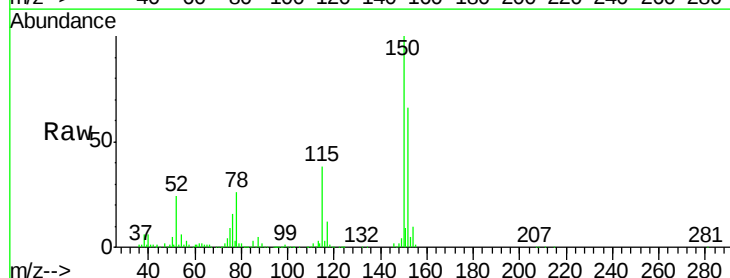
Tgt Ion:152 Resp: 258102

Ion Ratio Lower Upper

152 100

115 58.2 27.8 83.3

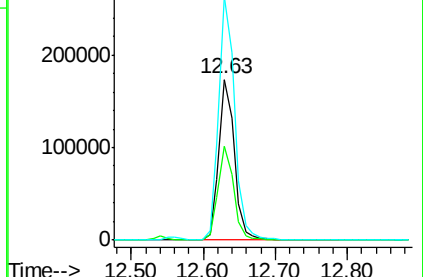
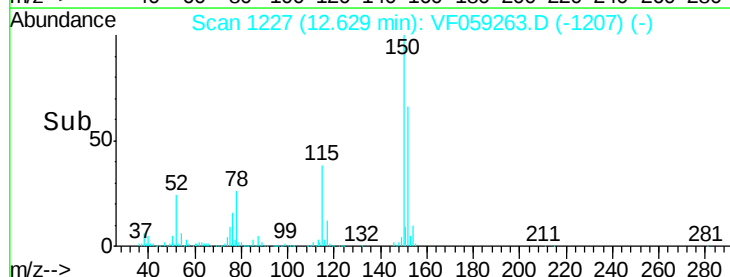
150 151.7 0.0 313.8

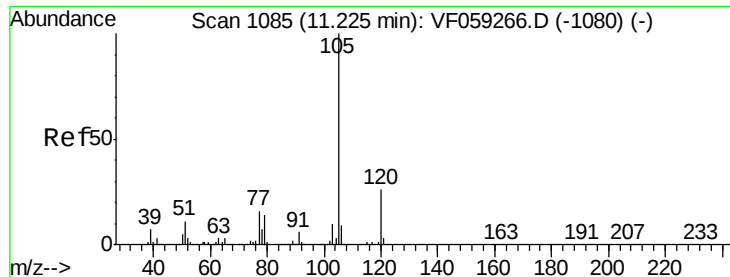


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.870 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

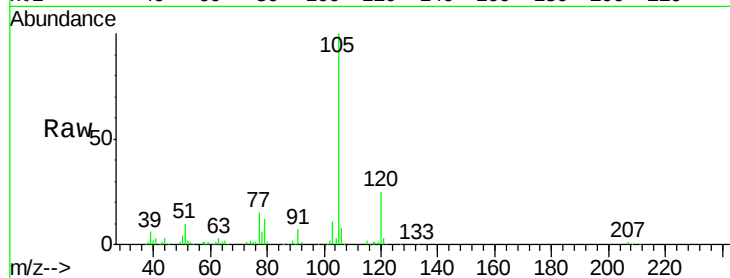
VSTDIC005

Tgt Ion:105 Resp: 86958

Ion Ratio Lower Upper

105 100

120 24.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

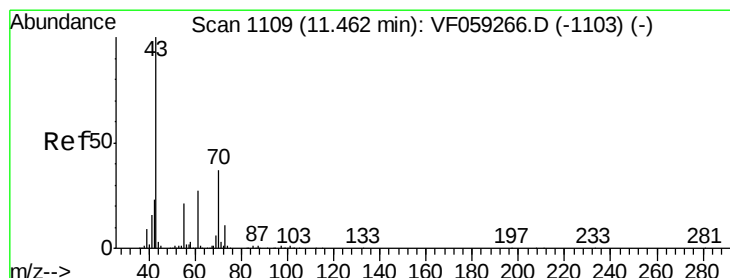
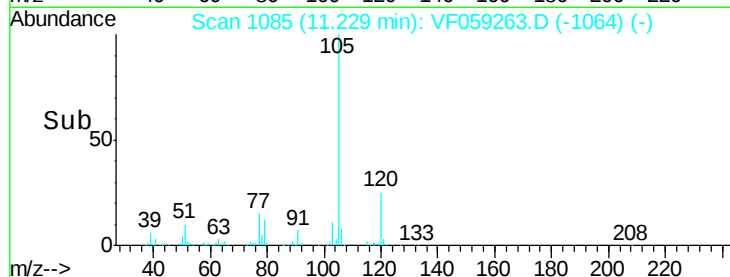
20000

10000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 4.083 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Tgt Ion: 43 Resp: 25852

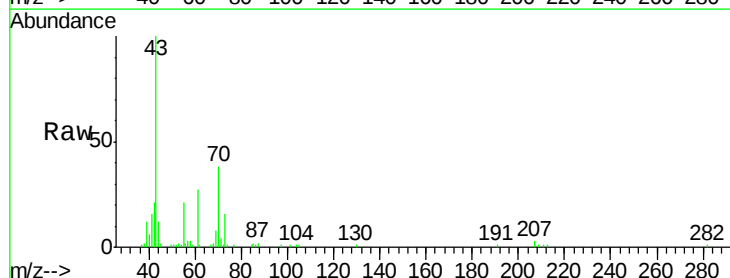
Ion Ratio Lower Upper

43 100

70 38.2 29.6 44.4

55 20.8 17.0 25.4

61 26.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

25000

20000

15000

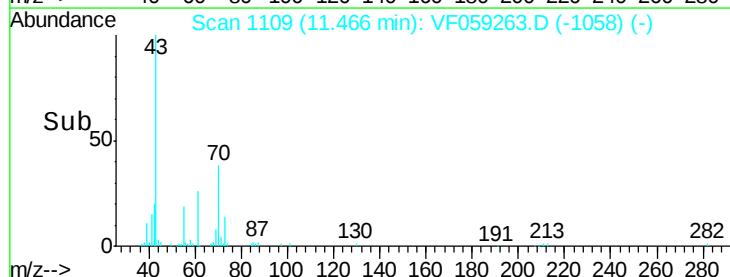
10000

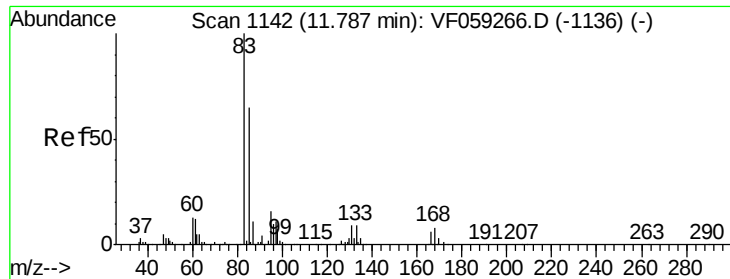
5000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.796 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

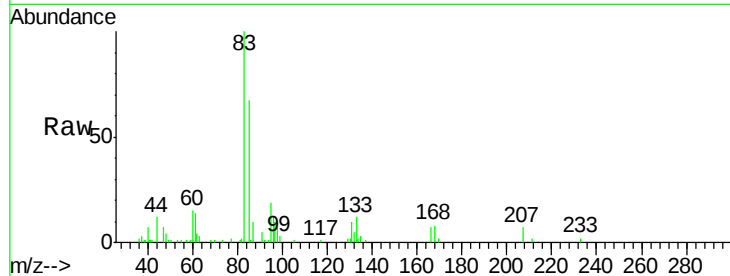
Tgt Ion: 83 Resp: 20305

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

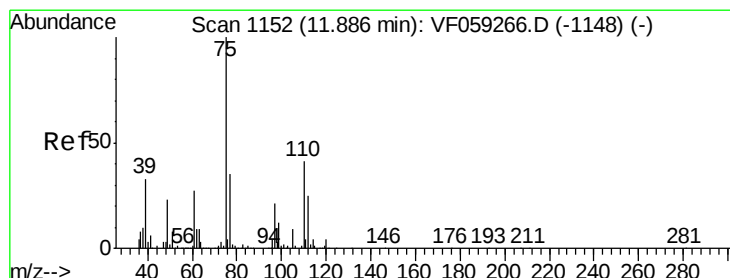
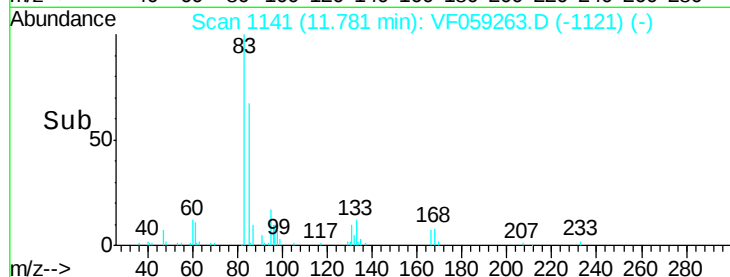
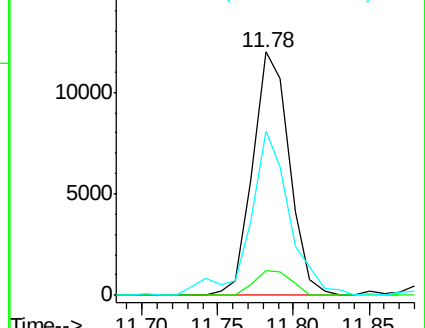
85 67.5 32.4 97.2



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: 4.652 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059263.D

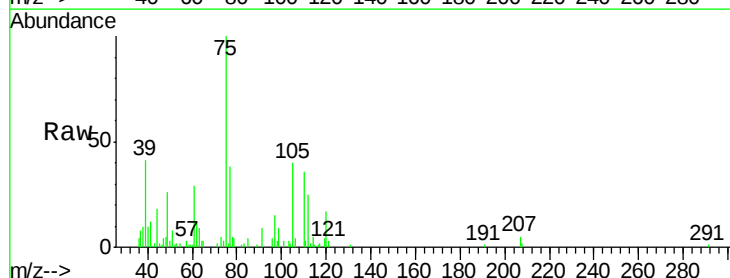
Acq: 21 Jun 2018 15:49

Tgt Ion: 75 Resp: 14579

Ion Ratio Lower Upper

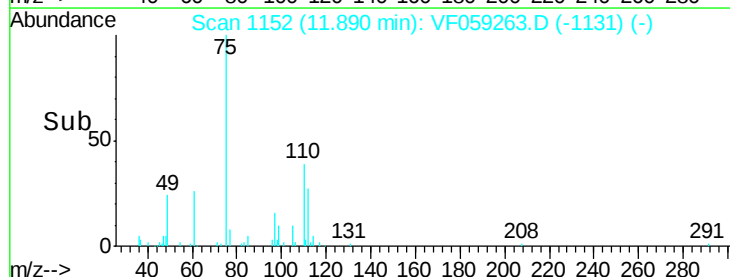
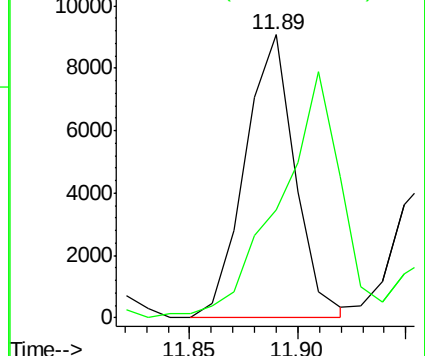
75 100

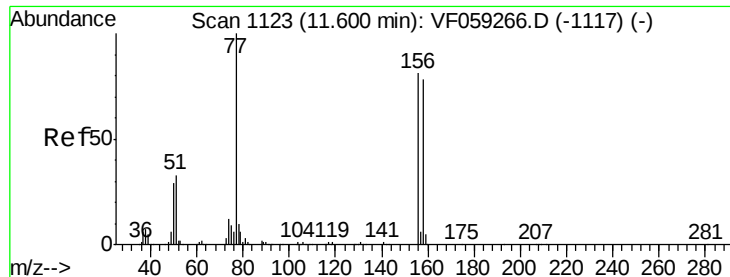
77 38.3 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.474 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

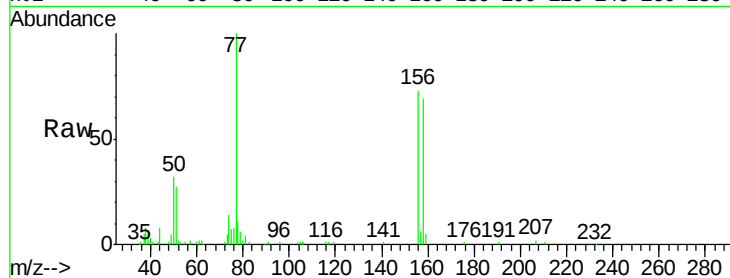
Tgt Ion:156 Resp: 24921

Ion Ratio Lower Upper

156 100

77 137.5 61.7 185.0

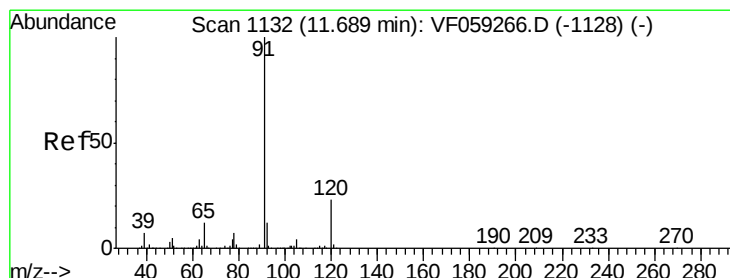
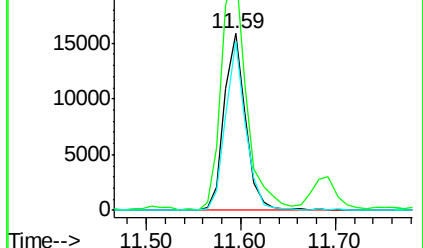
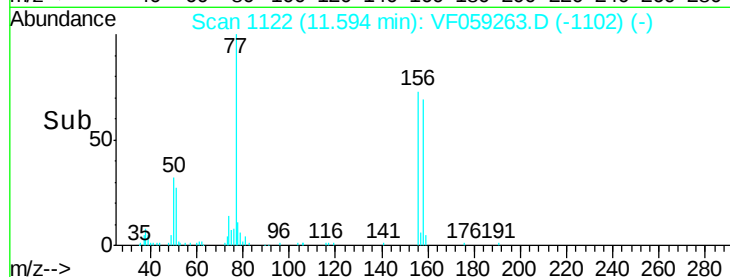
158 95.3 48.2 144.6



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: 5.501 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059263.D

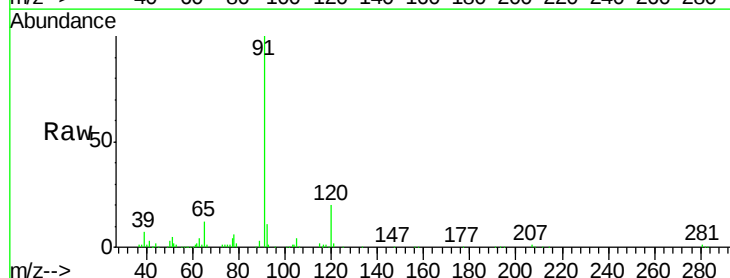
Acq: 21 Jun 2018 15:49

Tgt Ion: 91 Resp: 116318

Ion Ratio Lower Upper

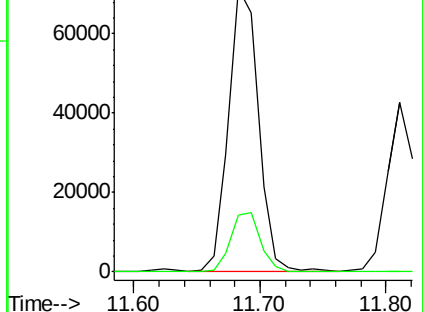
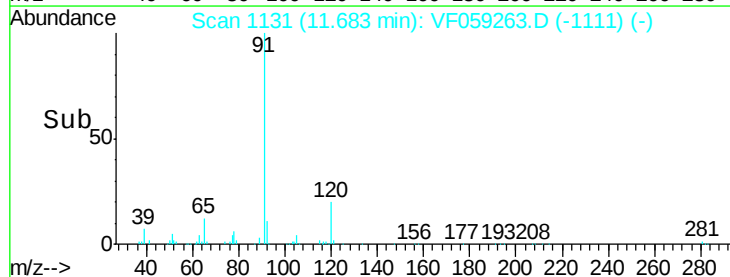
91 100

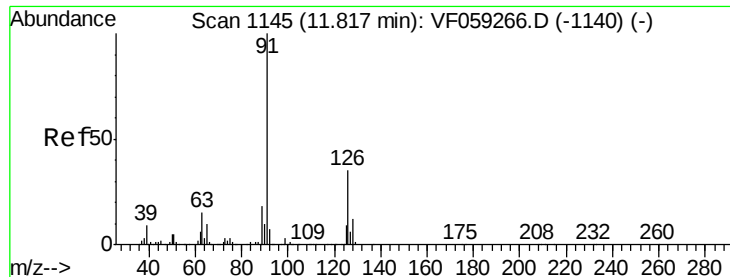
120 19.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.225 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

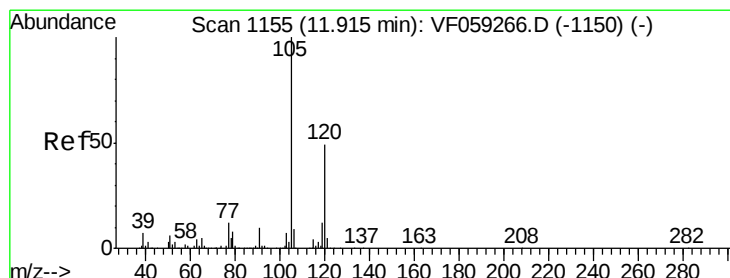
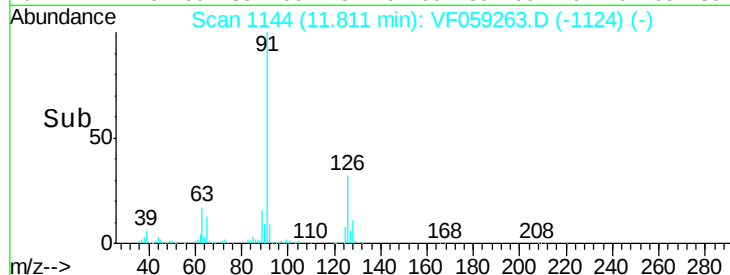
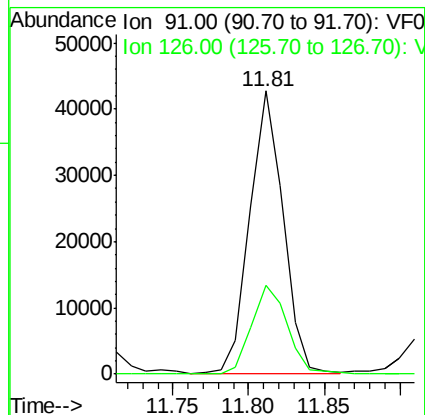
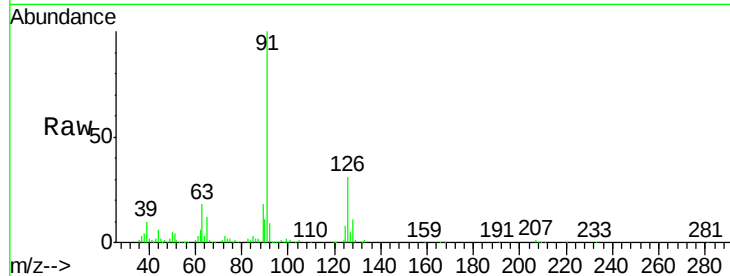
VSTDIC005

Tgt Ion: 91 Resp: 65513

Ion Ratio Lower Upper

91 100

126 31.5 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 5.237 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059263.D

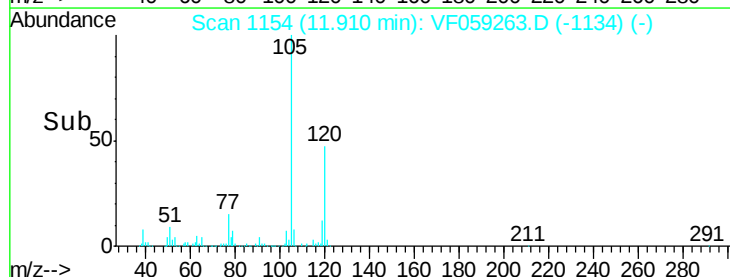
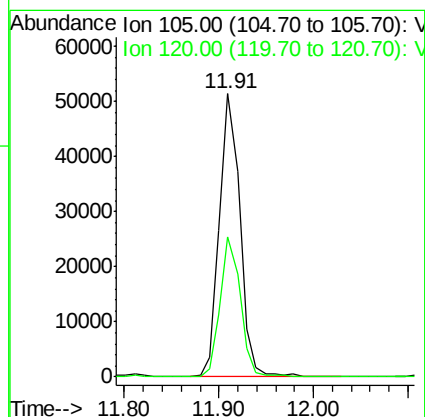
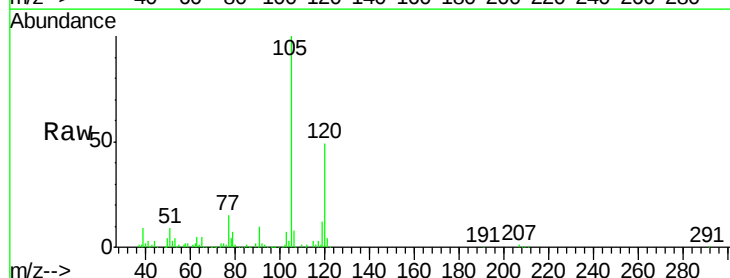
Acq: 21 Jun 2018 15:49

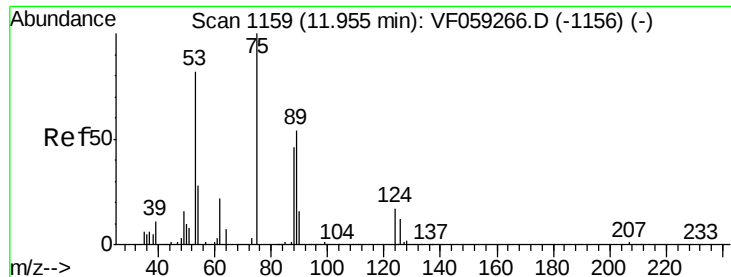
Tgt Ion: 105 Resp: 77813

Ion Ratio Lower Upper

105 100

120 49.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.870 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

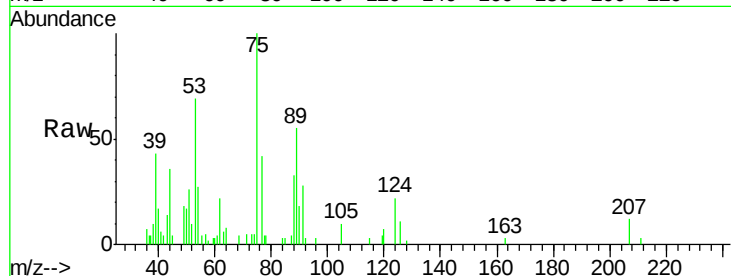
Tgt Ion: 75 Resp: 9939

Ion Ratio Lower Upper

75 100

53 69.4 70.2 105.2#

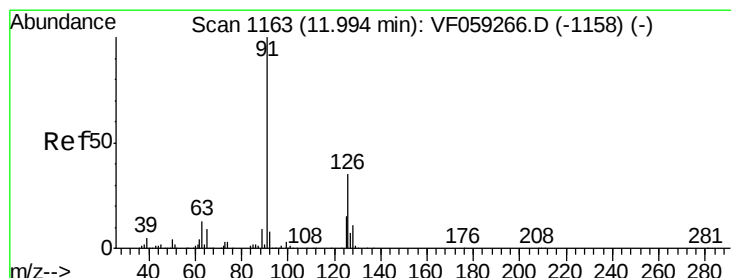
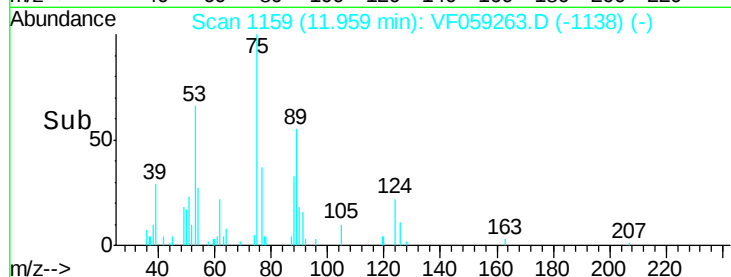
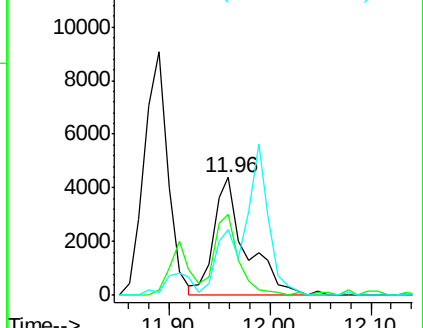
89 55.5 45.3 67.9



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: 5.421 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059263.D

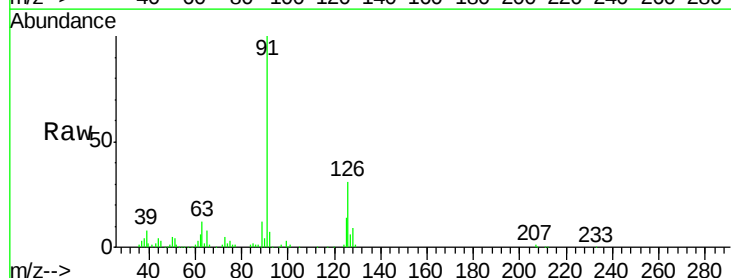
Acq: 21 Jun 2018 15:49

Tgt Ion: 91 Resp: 72447

Ion Ratio Lower Upper

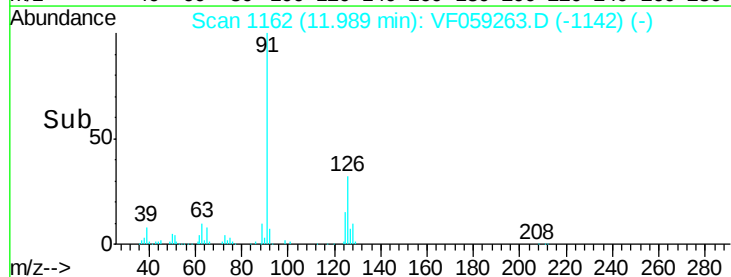
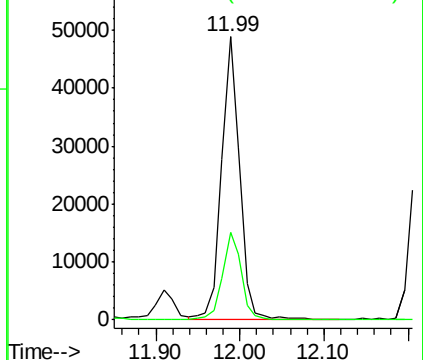
91 100

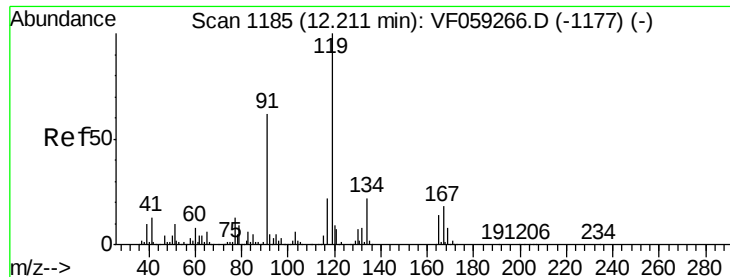
126 31.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 5.279 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

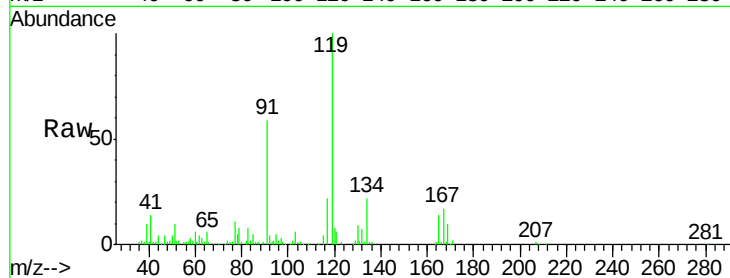
Tgt Ion:119 Resp: 78247

Ion Ratio Lower Upper

119 100

91 59.0 31.3 93.8

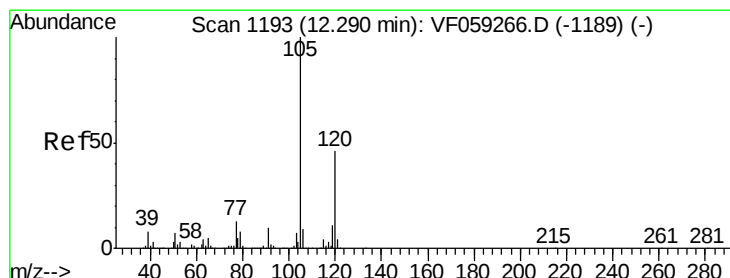
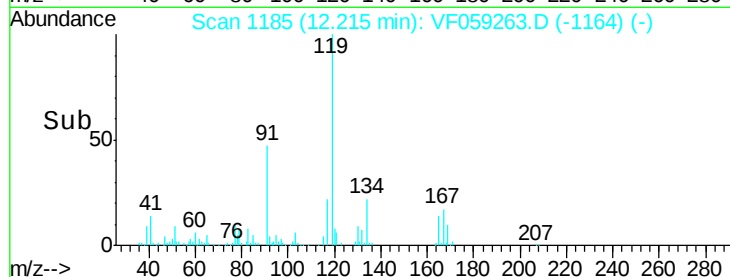
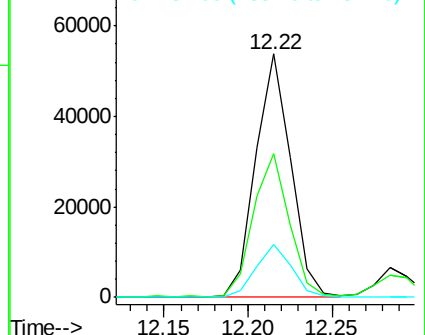
134 21.9 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.279 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059263.D

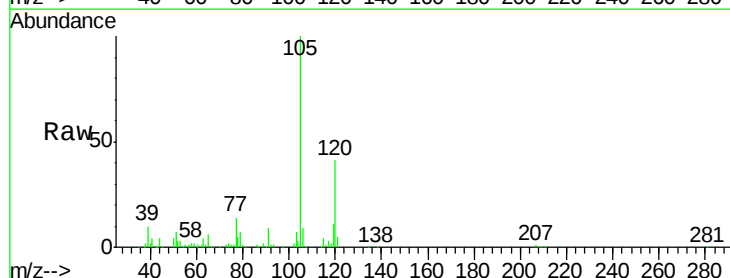
Acq: 21 Jun 2018 15:49

Tgt Ion:105 Resp: 80782

Ion Ratio Lower Upper

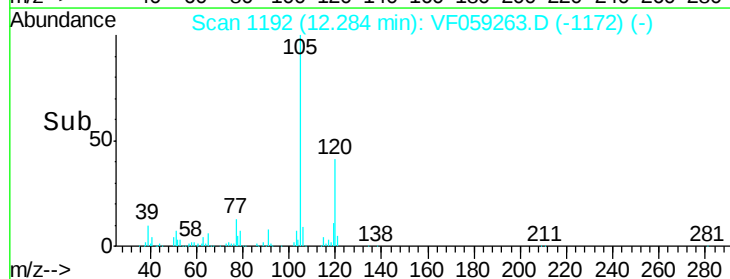
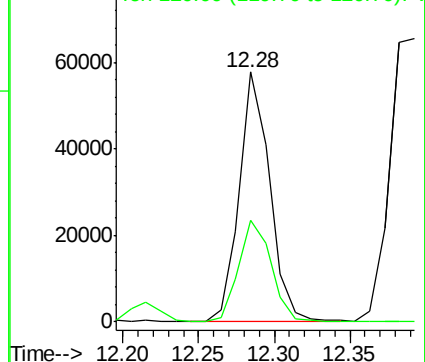
105 100

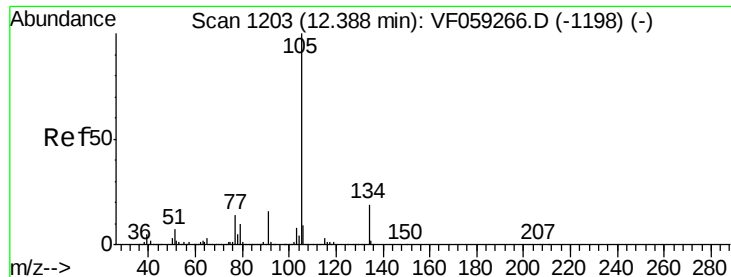
120 40.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.340 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

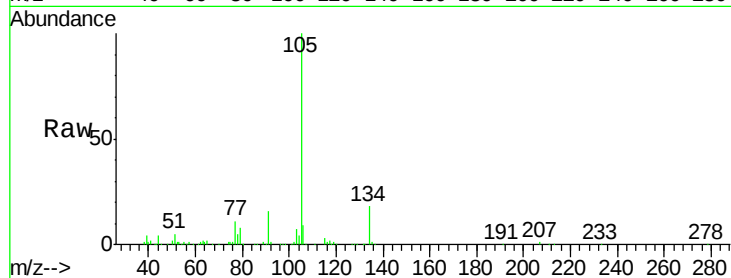
VSTDIC005

Tgt Ion:105 Resp: 106638

Ion Ratio Lower Upper

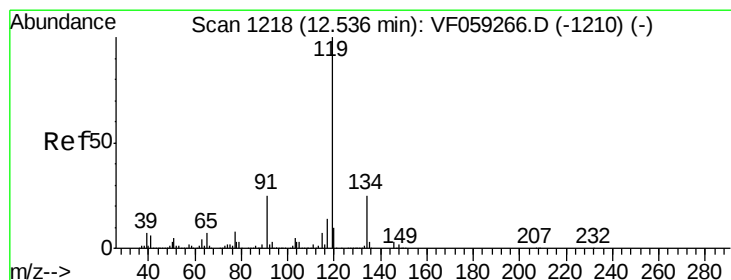
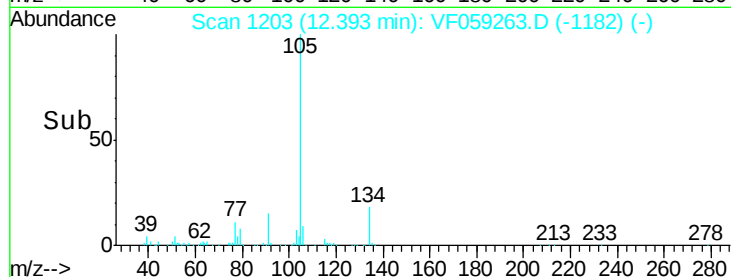
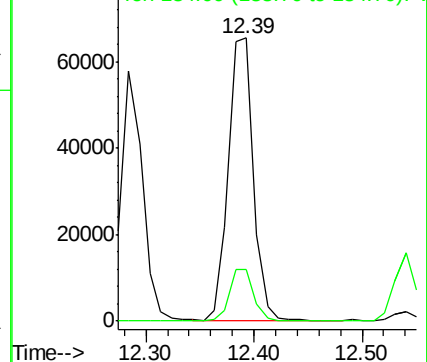
105 100

134 18.5 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: 5.140 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

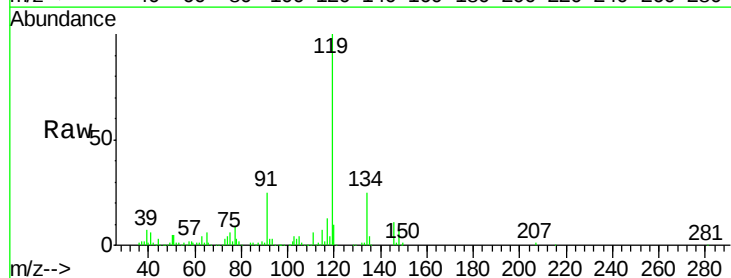
Tgt Ion:119 Resp: 84535

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

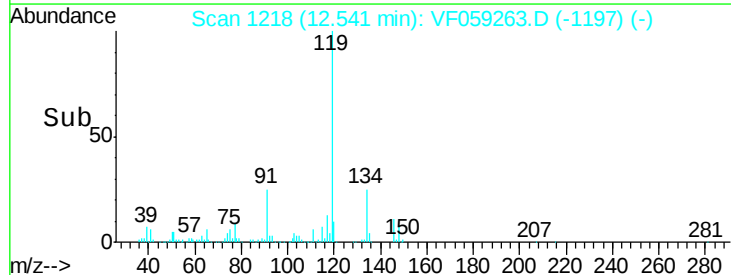
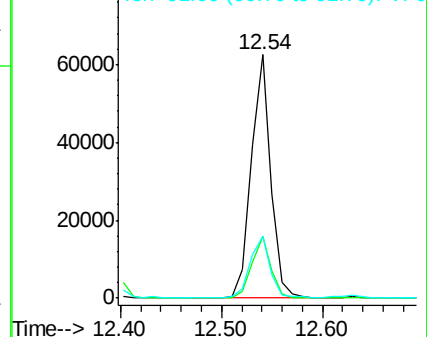
91 25.2 12.6 37.8

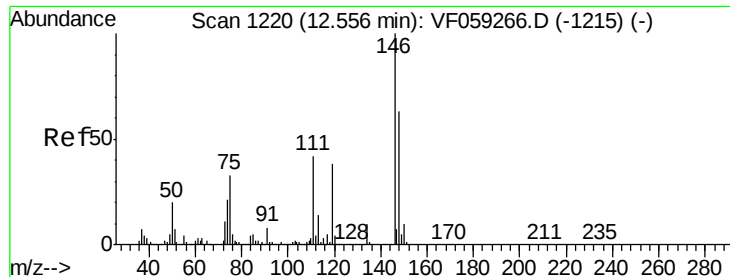


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

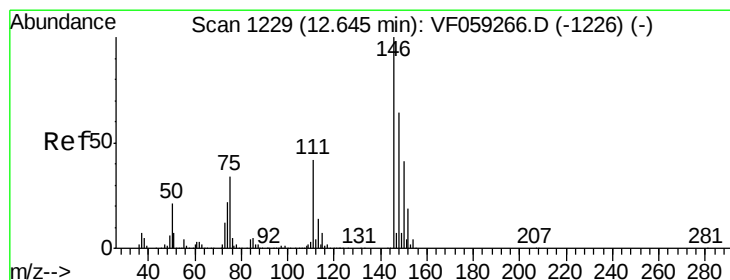
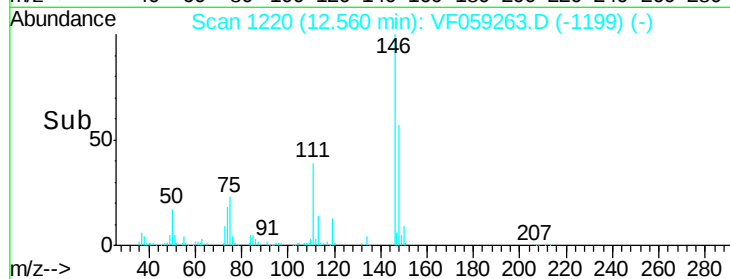
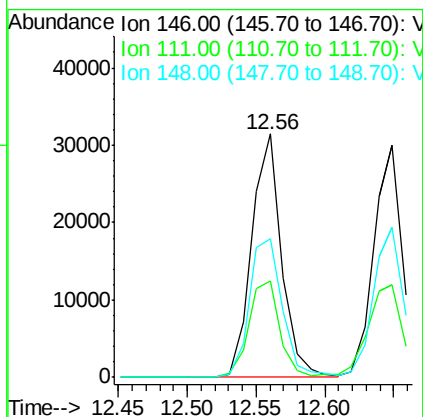
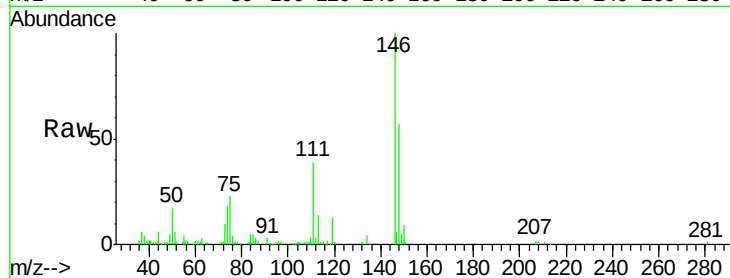




#87
 1,3-Dichlorobenzene
 Concen: 5.711 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

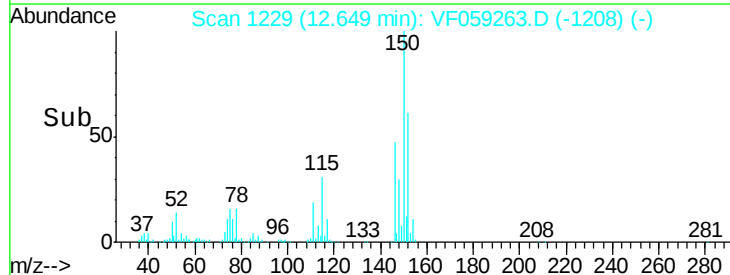
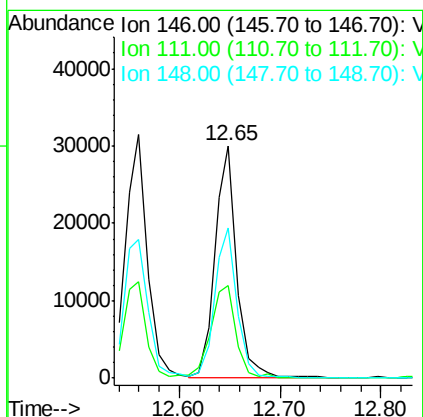
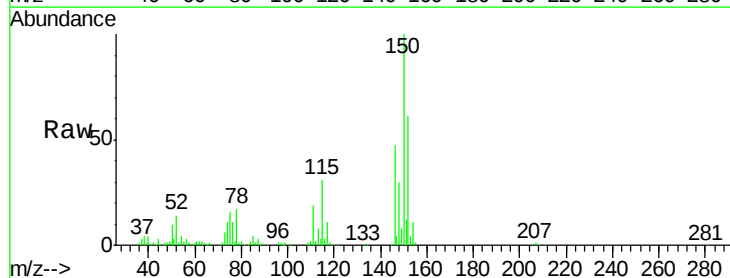
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

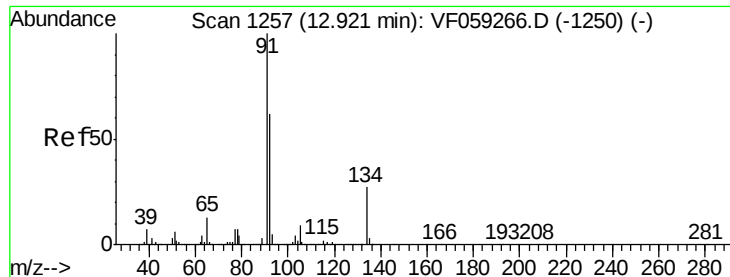
Tgt Ion:146 Resp: 47848
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.0 63.0
 148 57.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 5.627 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

Tgt Ion:146 Resp: 45479
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.3 63.9
 148 64.5 32.0 96.2





#89

n-Butylbenzene

Concen: 5.215 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059263.D

Acq: 21 Jun 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

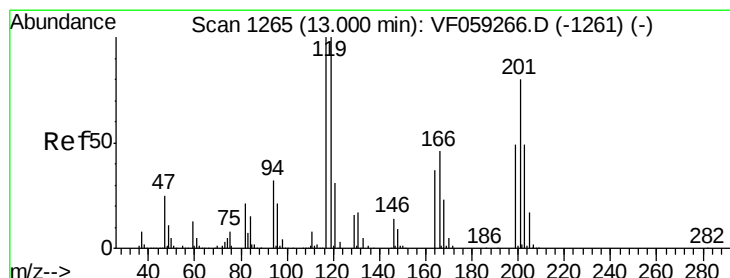
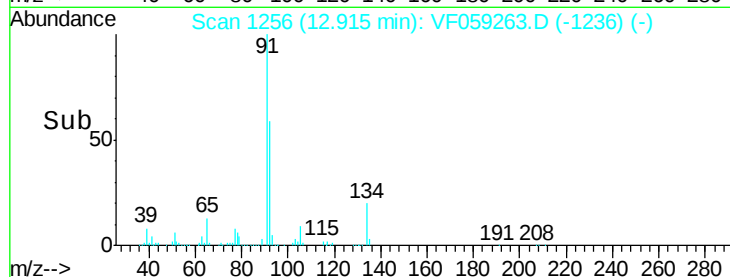
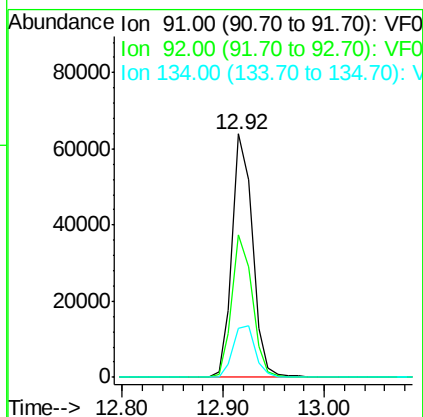
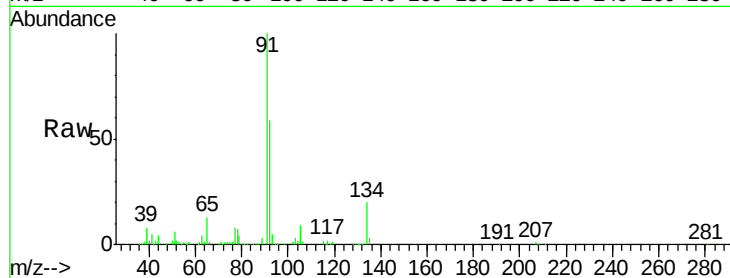
Tgt Ion: 91 Resp: 89172

Ion Ratio Lower Upper

91 100

92 58.5 31.2 93.6

134 20.4 13.4 40.1



#90

Hexachloroethane

Concen: 5.161 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059263.D

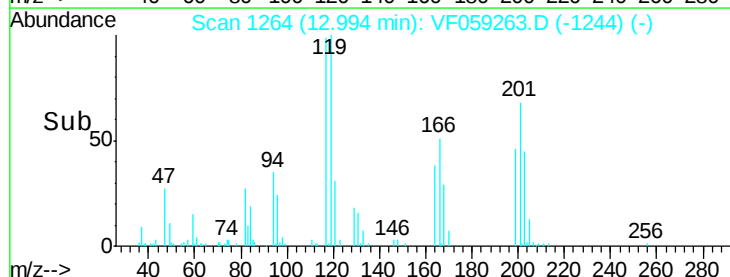
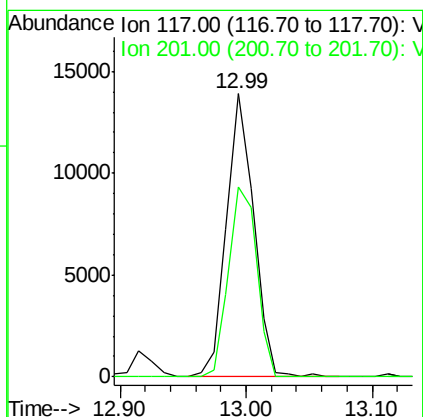
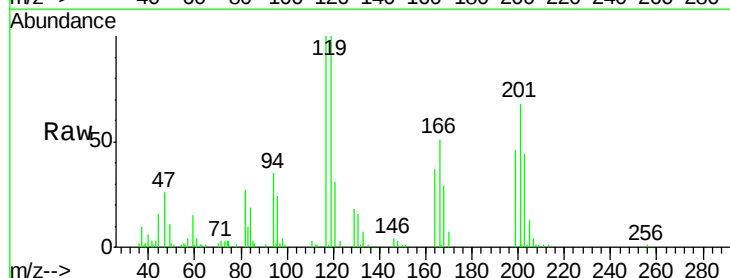
Acq: 21 Jun 2018 15:49

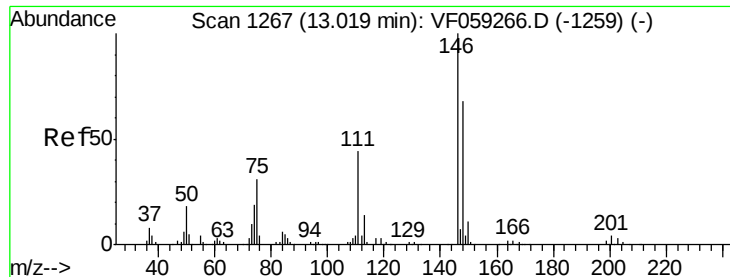
Tgt Ion: 117 Resp: 20856

Ion Ratio Lower Upper

117 100

201 68.2 39.8 119.3

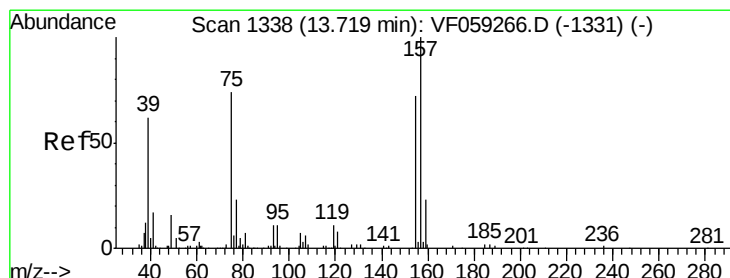
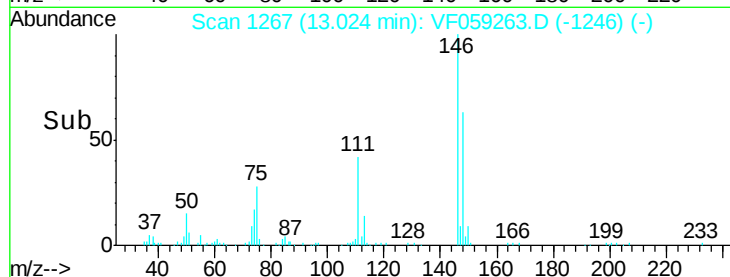
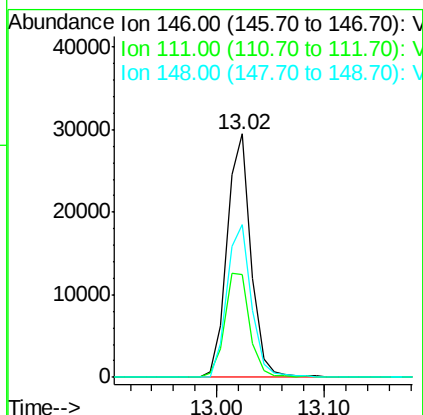
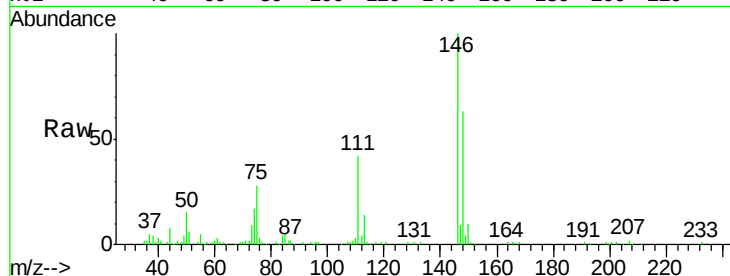




#91
 1,2-Dichlorobenzene
 Concen: 5.642 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

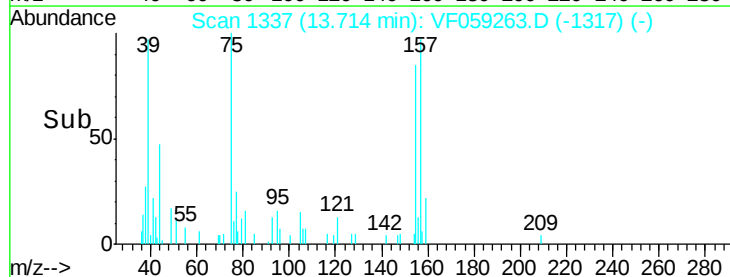
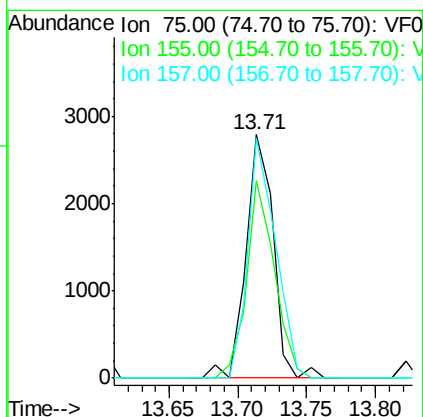
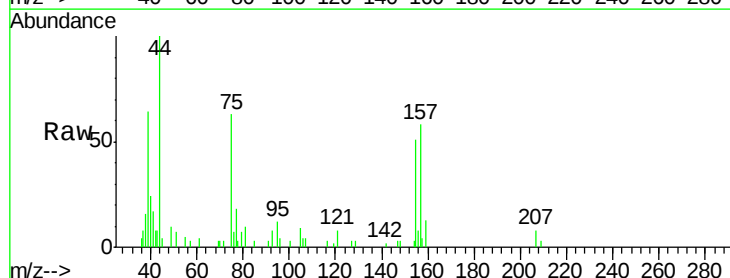
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

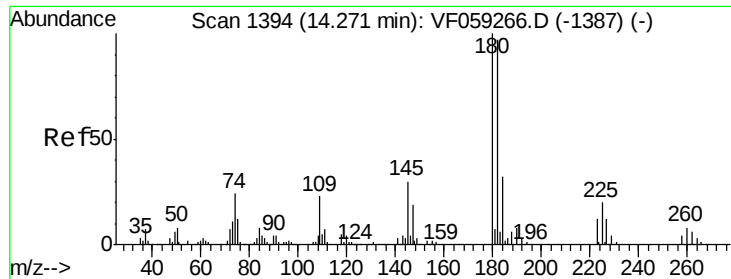
Tgt Ion: 146 Resp: 45491
 Ion Ratio Lower Upper
 146 100
 111 42.2 22.1 66.3
 148 62.7 34.0 102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.598 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

Tgt Ion: 75 Resp: 3881
 Ion Ratio Lower Upper
 75 100
 155 81.3 48.3 144.9
 157 98.5 67.2 201.6

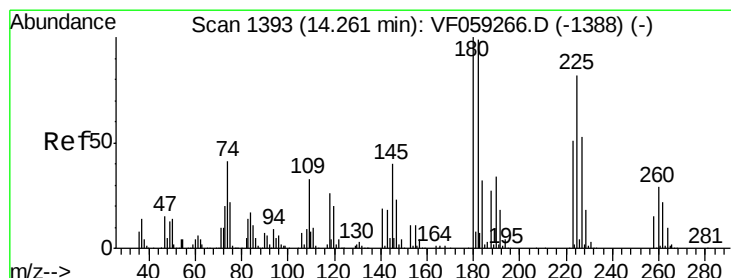
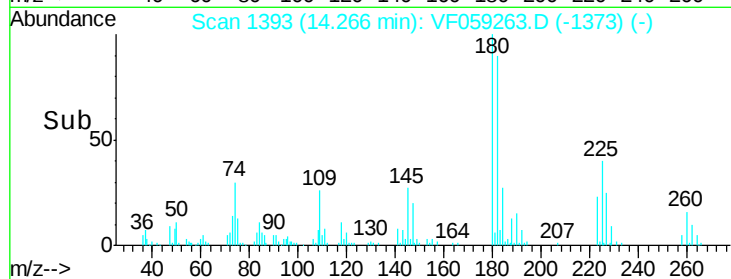
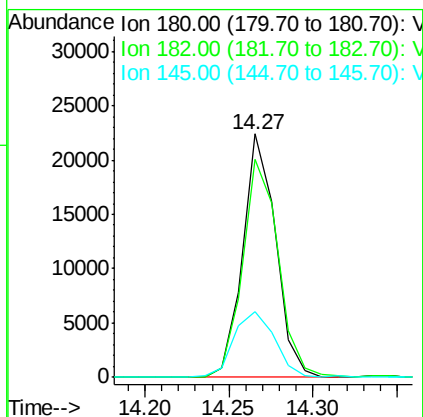
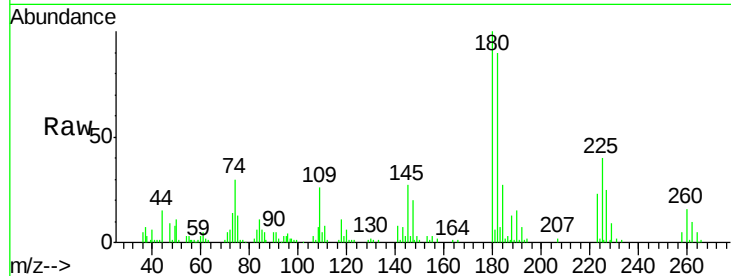




#93
 1,2,4-Trichlorobenzene
 Concen: 5.288 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

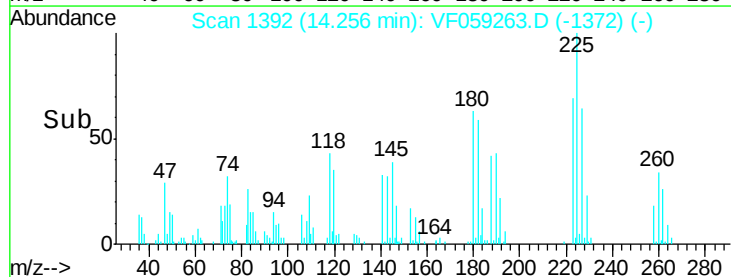
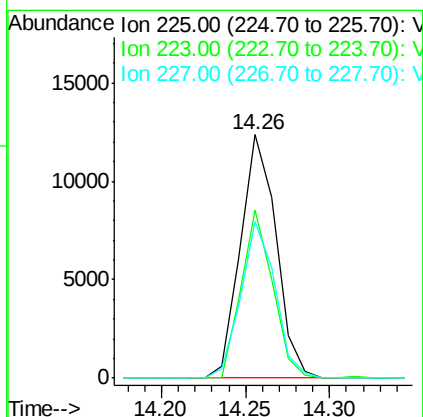
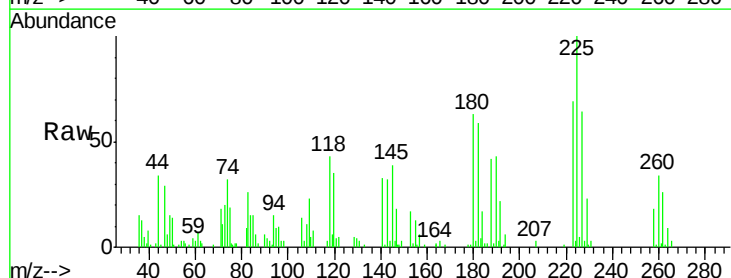
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

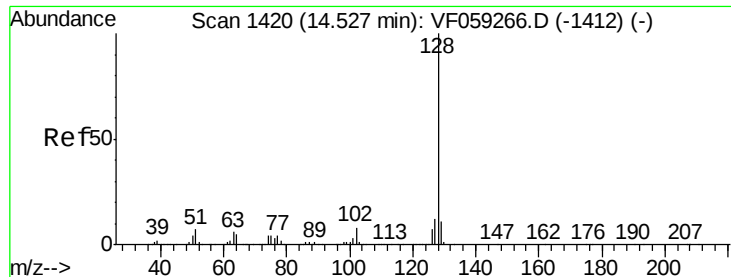
Tgt Ion:180 Resp: 30346
 Ion Ratio Lower Upper
 180 100
 182 89.6 48.6 145.9
 145 27.0 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 5.484 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059263.D
 Acq: 21 Jun 2018 15:49

Tgt Ion:225 Resp: 18159
 Ion Ratio Lower Upper
 225 100
 223 68.9 30.7 92.1
 227 64.3 32.0 96.2

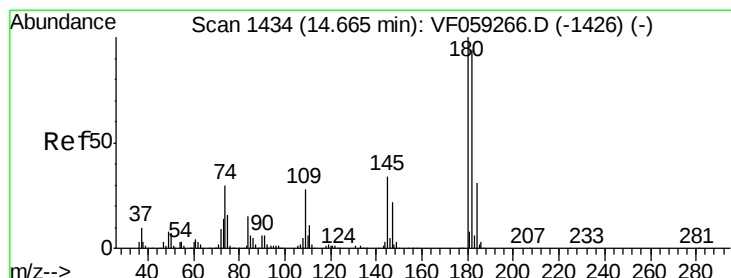
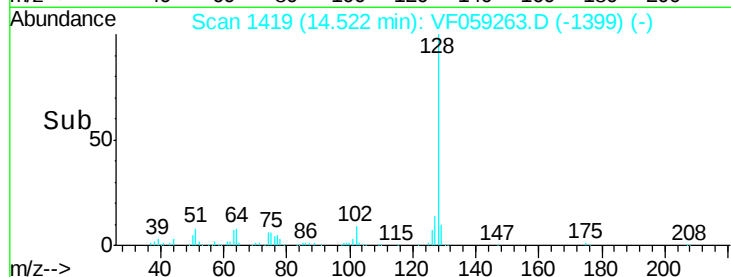
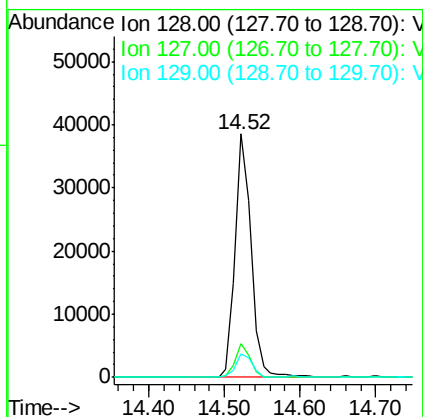
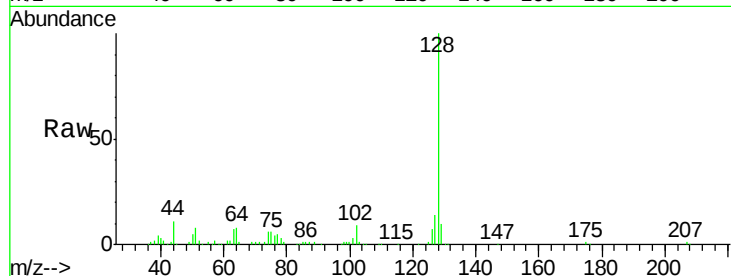




#95
Naphthalene
Concen: 4.567 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.6	14.4
129	9.9	9.0	13.4



#96
1,2,3-Trichlorobenzene
Concen: 5.235 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059263.D
Acq: 21 Jun 2018 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.7	46.9	140.7
145	35.0	17.0	50.9

