

Data File : VF059269.D
Acq On : 21 Jun 2018 18:36
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Quant Time: Jun 22 04:58:52 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	269319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	416700	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	407577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	236108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	528258	158.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.68%	
35) Dibromofluoromethane	4.29	113	453136	153.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.04%	
50) Toluene-d8	7.71	98	1167204	137.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.22%	
62) 4-Bromofluorobenzene	11.51	95	622704	139.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	413818	135.303	ug/l	93
3) Chloromethane	1.08	50	275665	120.903	ug/l	99
4) Vinyl Chloride	1.15	62	280484	133.797	ug/l	100
5) Bromomethane	1.34	94	161772	129.006	ug/l	97
6) Chloroethane	1.42	64	124281	139.529	ug/l	89
7) Trichlorofluoromethane	1.48	101	150558	44.308	ug/l	94
8) Diethyl Ether	1.70	74	127102	154.118	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	252774	120.478	ug/l	95
10) Methyl Iodide	1.97	142	516801	140.198	ug/l	88
11) Tert butyl alcohol	2.69	59	167131	794.698	ug/l	99
12) 1,1-Dichloroethene	1.85	96	264189	150.294	ug/l	90
13) Acrolein	2.09	56	130079	710.924	ug/l	96
14) Allyl chloride	2.19	41	497915	143.904	ug/l	92
15) Acrylonitrile	3.07	53	405085	1003.500	ug/l	92
16) Acetone	2.34	43	596151	749.324	ug/l	99
17) Carbon Disulfide	1.87	76	640877	132.581	ug/l	98
18) Methyl Acetate	2.53	43	299212	215.020	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	902282	160.230	ug/l	97
20) Methylene Chloride	2.31	84	138616	74.166	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	280160	143.515	ug/l	95
22) Diisopropyl ether	2.92	45	1087878	157.104	ug/l	94
23) Vinyl Acetate	3.33	43	3169377	701.803	ug/l	99
24) 1,1-Dichloroethane	2.99	63	638868	151.446	ug/l	99
25) 2-Butanone	4.51	43	808828	665.195	ug/l	99
26) 2,2-Dichloropropane	3.76	77	414679	136.167	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	410132	137.344	ug/l	99
28) Bromochloromethane	3.88	49	241418	129.331	ug/l	96
29) Tetrahydrofuran	4.25	42	368346	694.306	ug/l	98
30) Chloroform	4.03	83	900592	149.700	ug/l	97
31) Cyclohexane	3.86	56	418592	117.662	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	648608	143.541	ug/l	98
36) 1,1-Dichloropropene	4.45	75	604209	149.101	ug/l	98
37) Ethyl Acetate	4.29	43	378305	149.539	ug/l	83
38) Carbon Tetrachloride	4.17	117	800230	178.003	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	532354	132.655	ug/l	93
40) Benzene	4.81	78	1249603	134.184	ug/l	96
41) Methacrylonitrile	4.92	41	192689	155.148	ug/l	97
42) 1,2-Dichloroethane	5.11	62	735224	167.032	ug/l	98
43) Isopropyl Acetate	7.10	43	526824	154.999	ug/l #	98
44) Trichloroethene	5.67	130	420060	140.569	ug/l	88
45) 1,2-Dichloropropane	6.39	63	365130	135.458	ug/l	99
46) Dibromomethane	6.26	93	313652	152.617	ug/l	92
47) Bromodichloromethane	6.54	83	737135	155.400	ug/l	97
48) Methyl methacrylate	6.87	41	341493	164.052	ug/l	93
49) 1,4-Dioxane	6.86	88	39082	2834.505	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1642058	703.661	ug/l	98
52) Toluene	7.77	92	928309	137.165	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	687512	148.536	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	741771	142.714	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	376424	150.994	ug/l	97
56) Ethyl methacrylate	8.76	69	477090	151.873	ug/l	96
57) 1,3-Dichloropropane	9.00	76	619122	146.278	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	164646	726.157	ug/l	100
59) 2-Hexanone	9.63	43	1291904	699.525	ug/l	95
60) Dibromochloromethane	8.86	129	576103	159.069	ug/l	92
61) 1,2-Dibromoethane	9.13	107	448266	154.466	ug/l	100
64) Tetrachloroethene	8.31	164	429855	142.774	ug/l	97
65) Chlorobenzene	9.94	112	1187083	145.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	483790	147.954	ug/l	96
67) Ethyl Benzene	10.04	91	1875254	133.182	ug/l	96
68) m/p-Xylenes	10.27	106	1285876	240.573	ug/l	95
69) o-Xylene	10.83	106	777748	135.269	ug/l	95
70) Styrene	10.90	104	1180067	136.441	ug/l	98
71) Bromoform	10.89	173	369263	164.050	ug/l #	96
73) Isopropylbenzene	11.22	105	2115277	129.506	ug/l	97
74) N-amyl acetate	11.46	43	782792	135.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	514050	132.727	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	406761	141.886	ug/l	97
77) Bromobenzene	11.60	156	590680	141.832	ug/l	93
78) n-propylbenzene	11.69	91	2347216	121.340	ug/l	96
79) 2-Chlorotoluene	11.82	91	1477929	128.842	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	1725263	126.933	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	265929	142.443	ug/l	92
82) 4-Chlorotoluene	11.99	91	1598656	130.754	ug/l	99
83) tert-Butylbenzene	12.22	119	1712985	126.324	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1855923	132.577	ug/l	93
85) sec-Butylbenzene	12.39	105	2306268	126.257	ug/l	95
86) p-Isopropyltoluene	12.54	119	1930407	128.313	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	986320	128.694	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	1032958	139.712	ug/l	96
89) n-Butylbenzene	12.92	91	1897371	121.305	ug/l	95
90) Hexachloroethane	13.00	117	509009	137.694	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	997085	135.192	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	128537	166.471	ug/l	94

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	735506	140.095	ug/l	97
94) Hexachlorobutadiene	14.26	225	443586	146.430	ug/l	99
95) Naphthalene	14.53	128	1684168	150.066	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	716298	147.488	ug/l	94

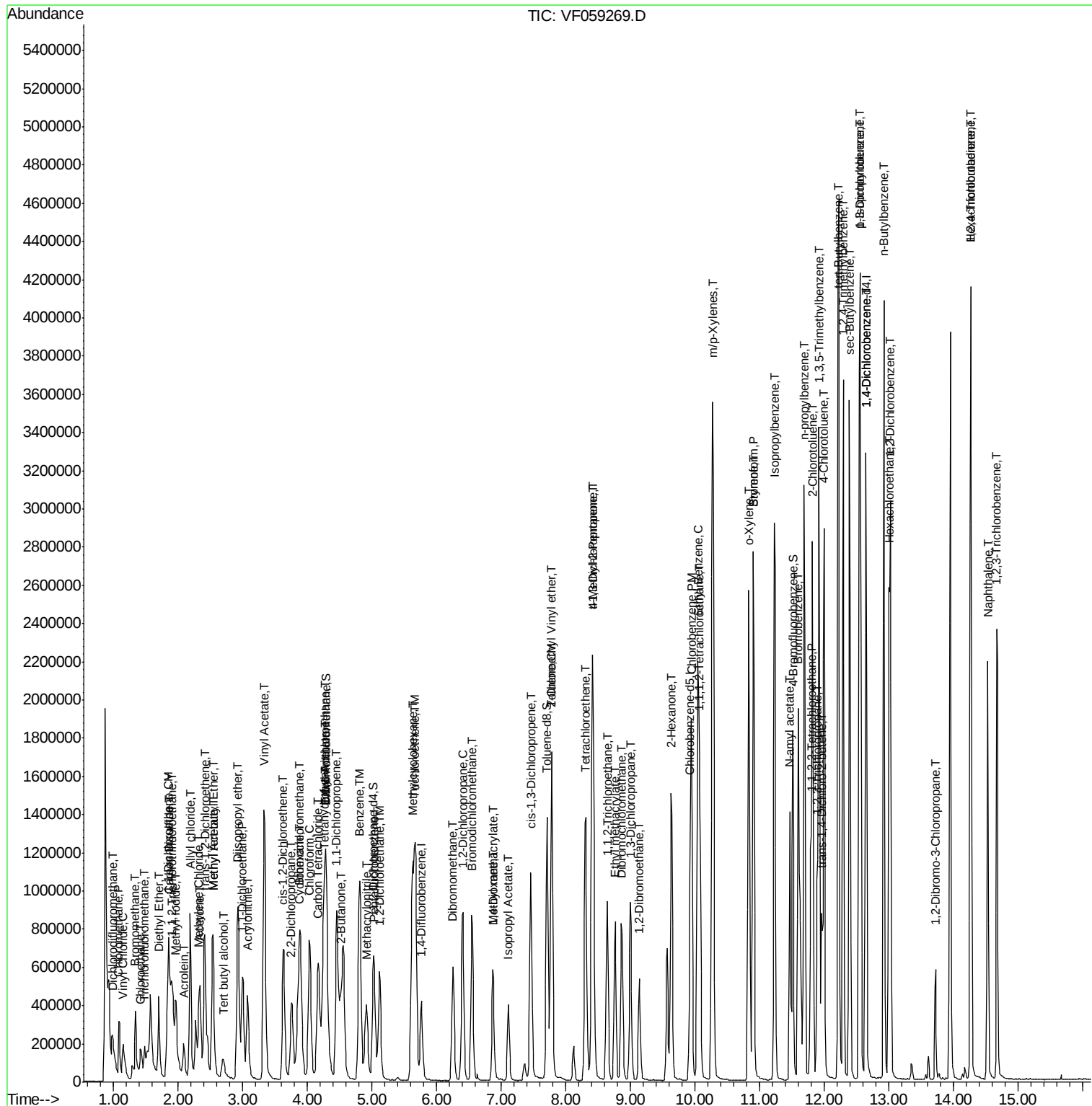
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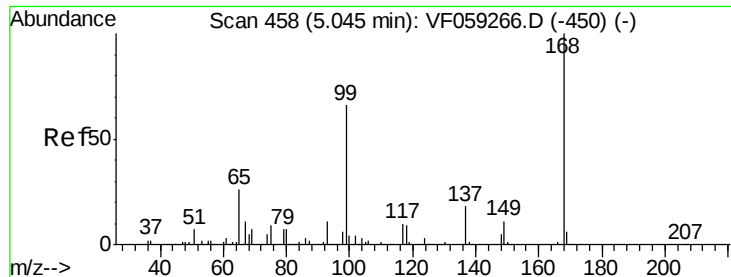
Data File : VF059269.D

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Operator    : VA/AP
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ALS Vial    : 9      Sample Multiplier: 1
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ClientSampleId :
VSTDICC150

Quant Time: Jun 22 04:58:52 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

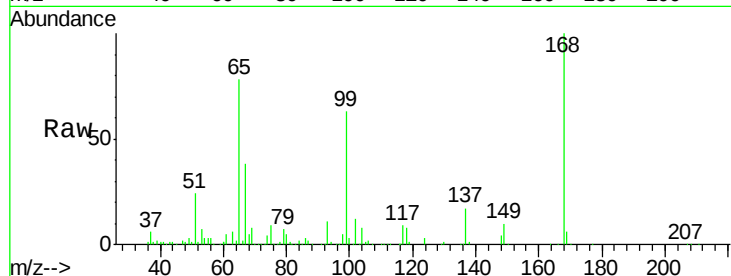
VSTDIC150

Tgt Ion:168 Resp: 269319

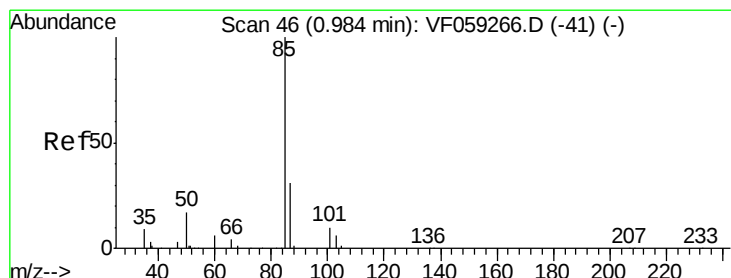
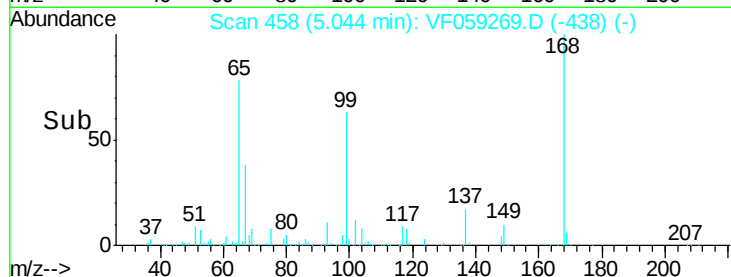
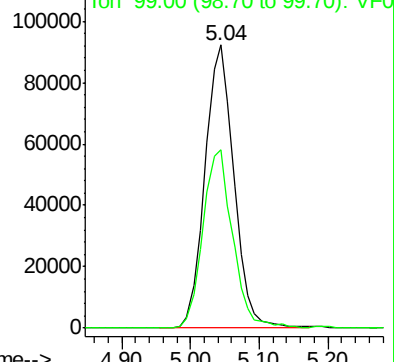
Ion Ratio Lower Upper

168 100

99 62.8 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 135.303 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059269.D

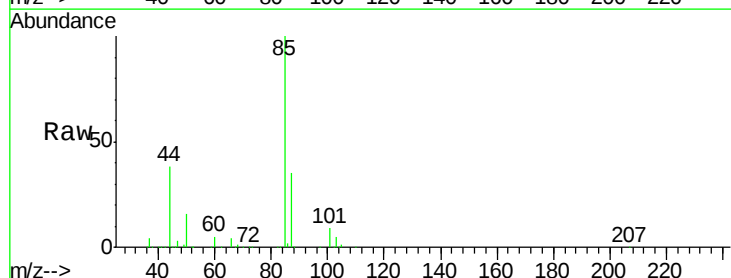
Acq: 21 Jun 2018 18:36

Tgt Ion: 85 Resp: 413818

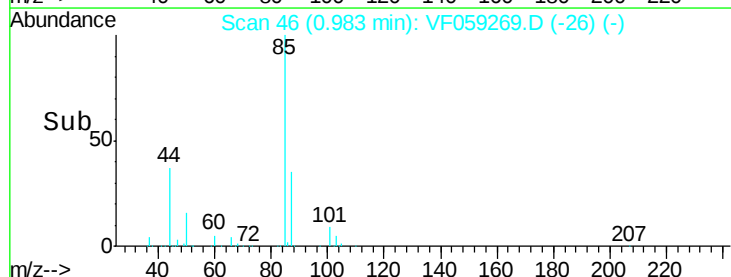
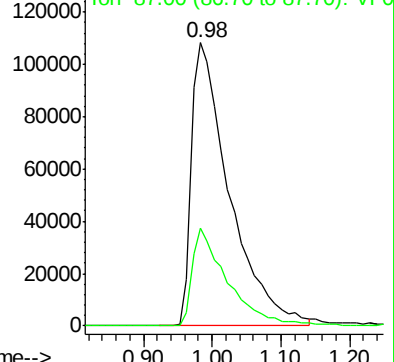
Ion Ratio Lower Upper

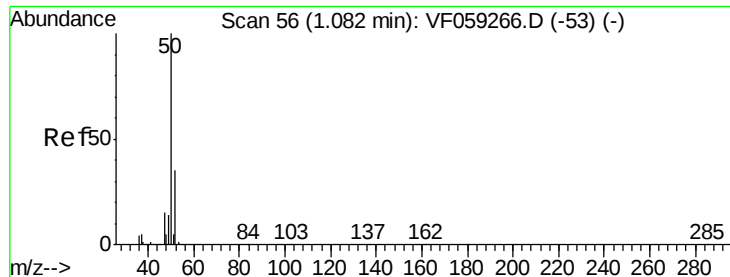
85 100

87 34.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 120.903 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

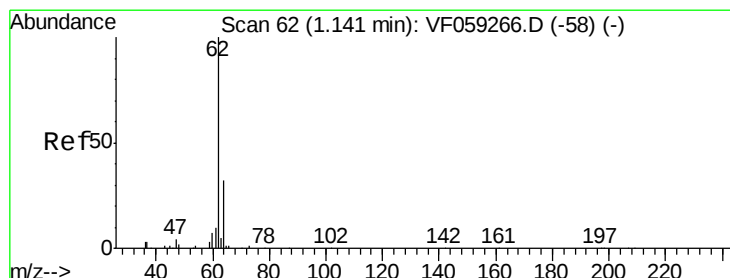
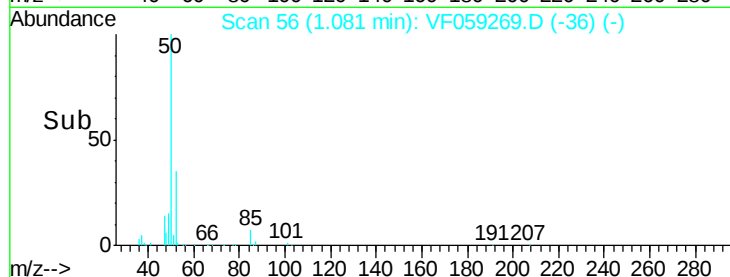
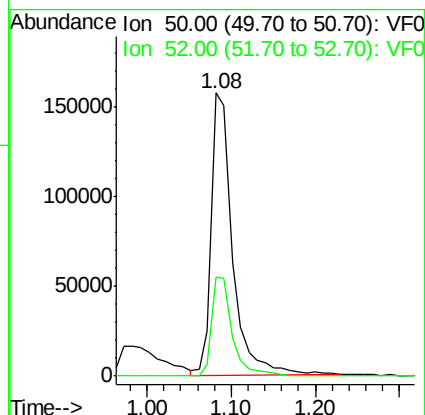
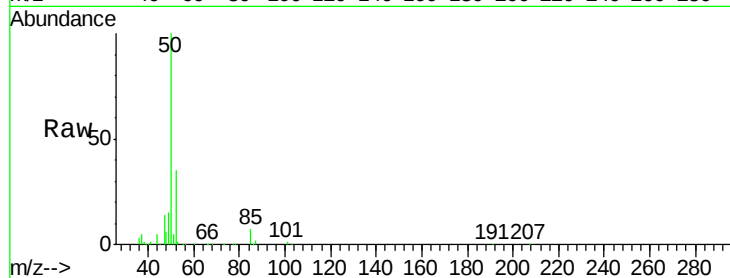
VSTDIC150

Tgt Ion: 50 Resp: 275665

Ion Ratio Lower Upper

50 100

52 35.1 27.7 41.5



#4

Vinyl Chloride

Concen: 133.797 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059269.D

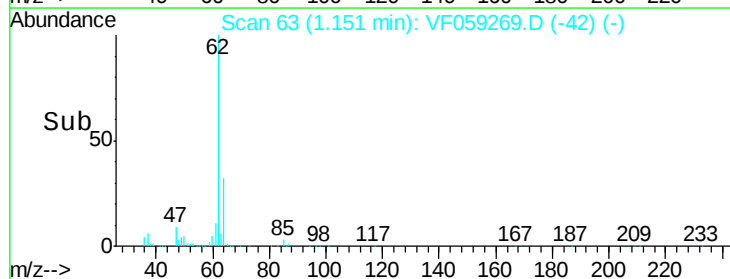
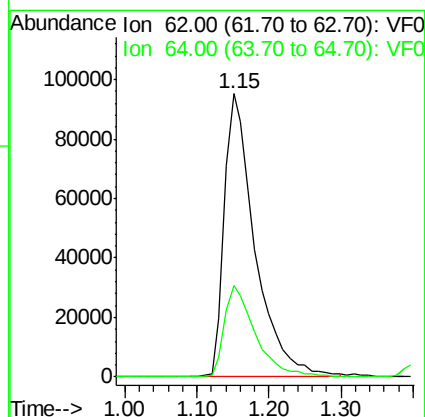
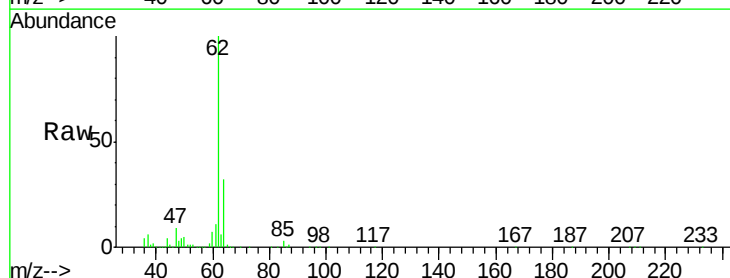
Acq: 21 Jun 2018 18:36

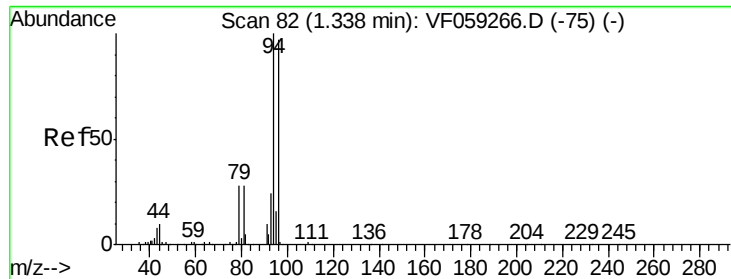
Tgt Ion: 62 Resp: 280484

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 129.006 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

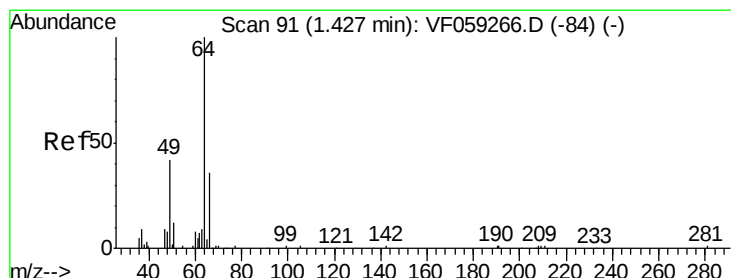
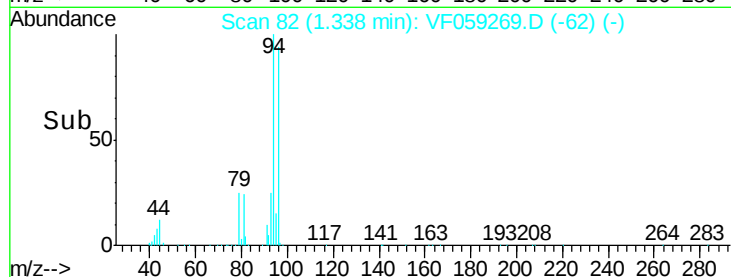
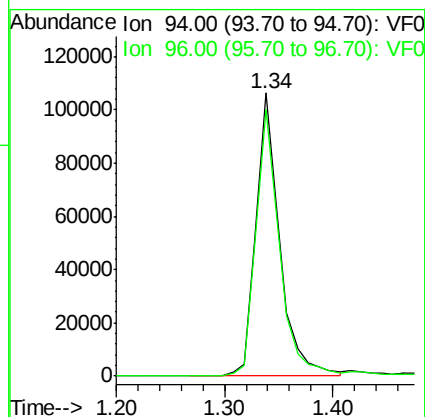
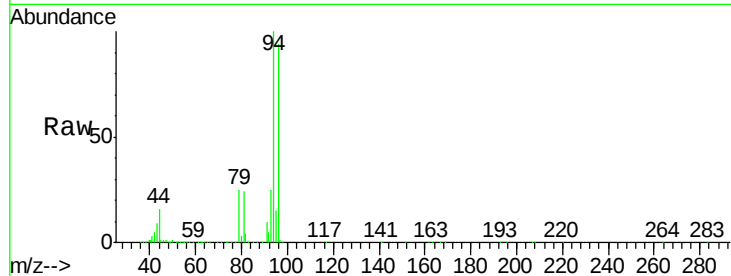
VSTDIC150

Tgt Ion: 94 Resp: 161772

Ion Ratio Lower Upper

94 100

96 94.1 77.7 116.5



#6

Chloroethane

Concen: 139.529 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059269.D

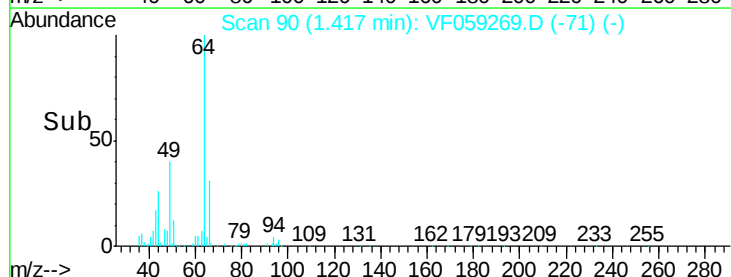
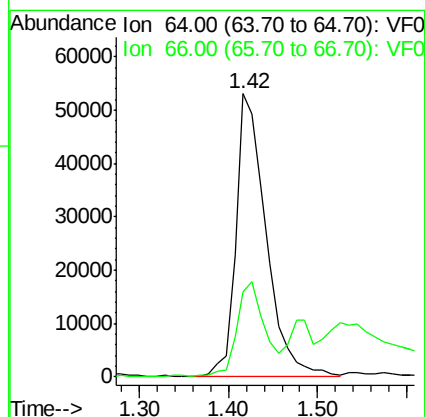
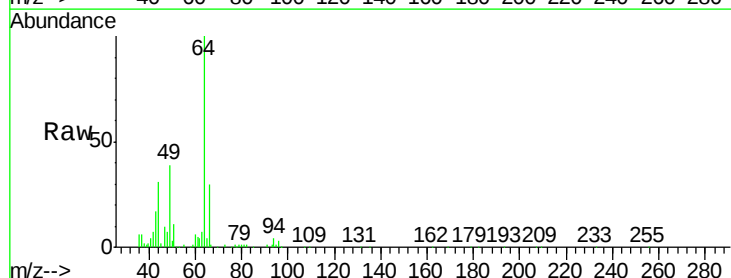
Acq: 21 Jun 2018 18:36

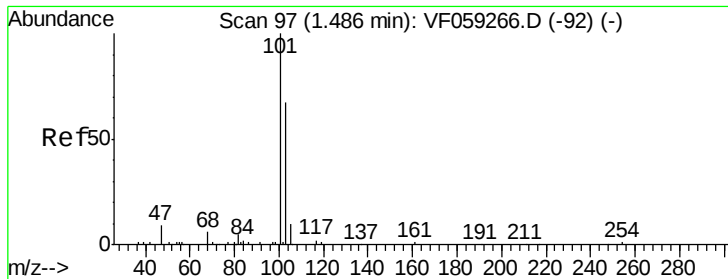
Tgt Ion: 64 Resp: 124281

Ion Ratio Lower Upper

64 100

66 30.0 29.4 44.2



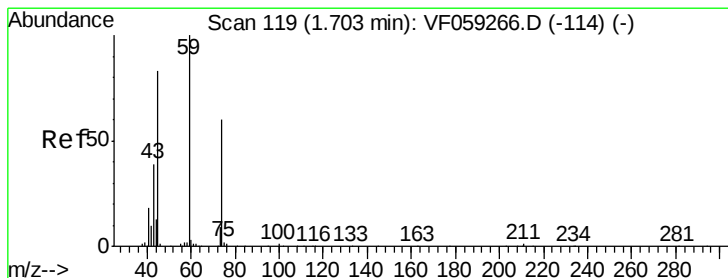
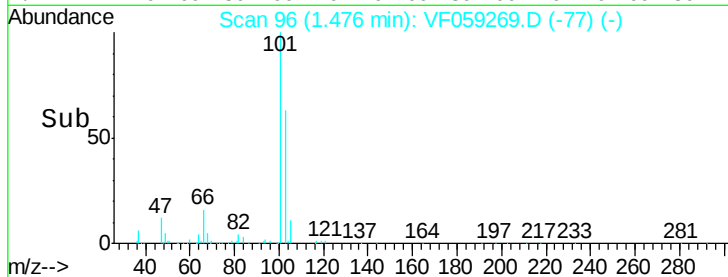
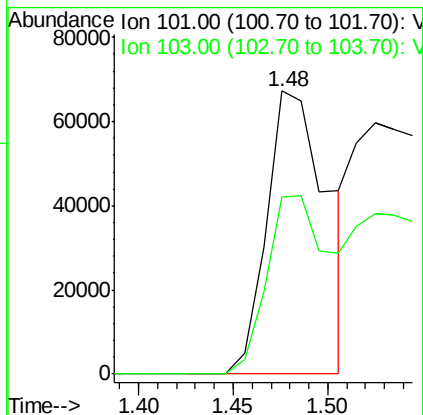
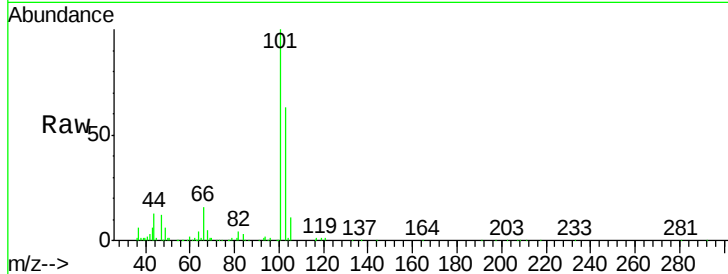


#7

Trichlorofluoromethane
Concen: 44.308 ug/l
RT: 1.48 min Scan# 96
Delta R.T. -0.01 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

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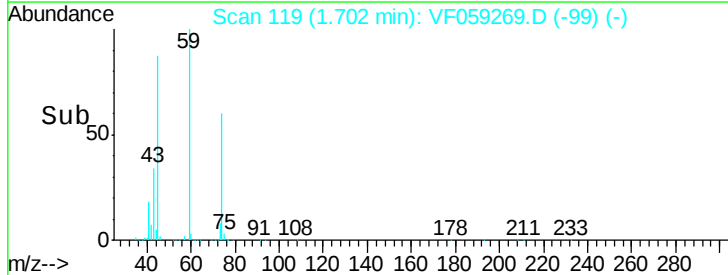
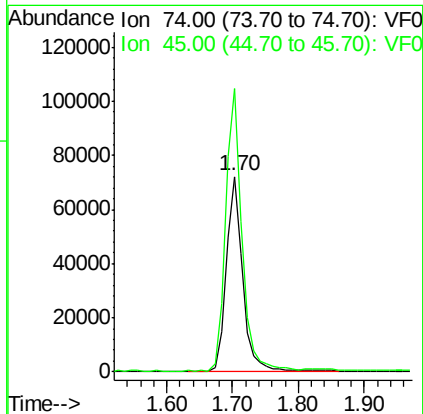
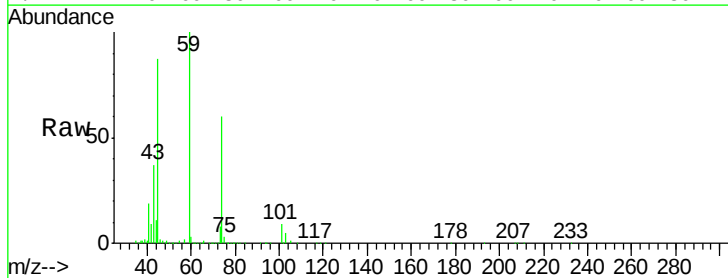
Tgt Ion:101 Resp: 150558
Ion Ratio Lower Upper
101 100
103 62.7 53.8 80.8

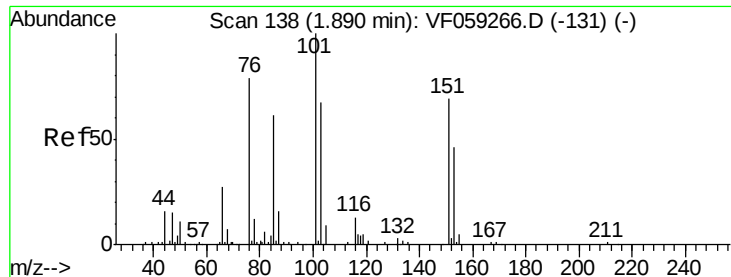


#8

Diethyl Ether
Concen: 154.118 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 74 Resp: 127102
Ion Ratio Lower Upper
74 100
45 145.1 69.2 207.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 120.478 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

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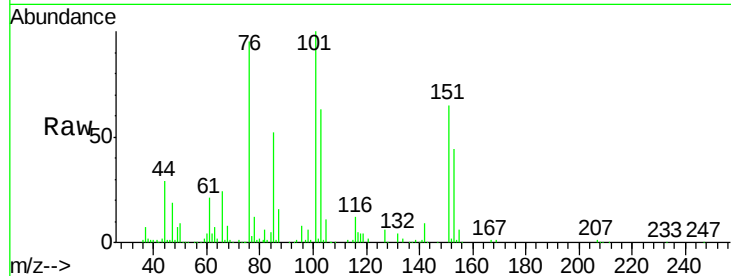
Tgt Ion:101 Resp: 252774

Ion Ratio Lower Upper

101 100

85 52.3 47.2 70.8

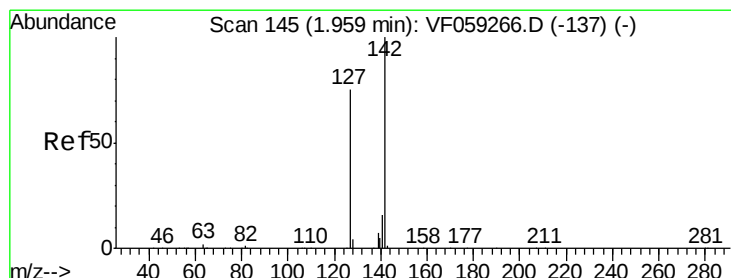
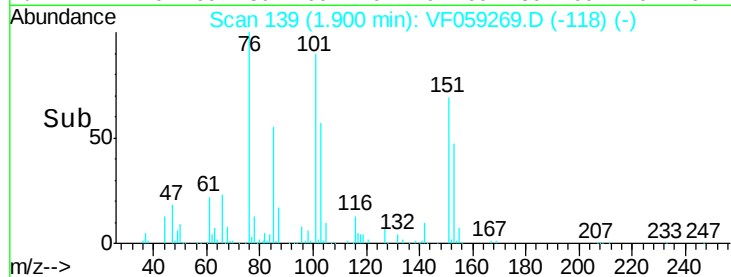
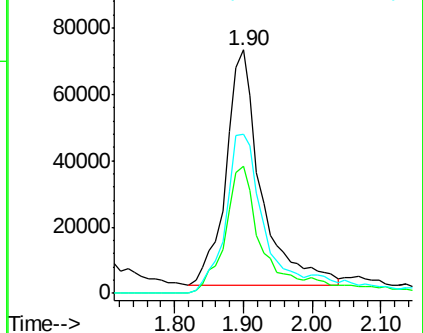
151 65.4 53.3 79.9



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: 140.198 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

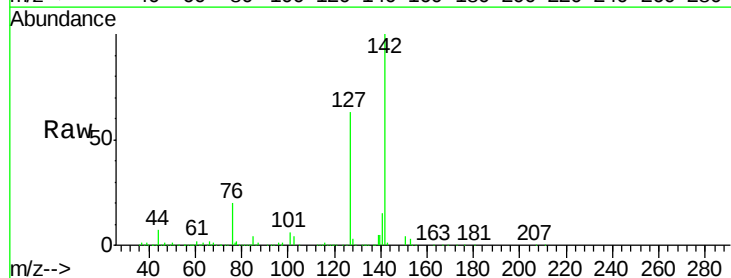
Tgt Ion:142 Resp: 516801

Ion Ratio Lower Upper

142 100

127 62.6 59.9 89.9

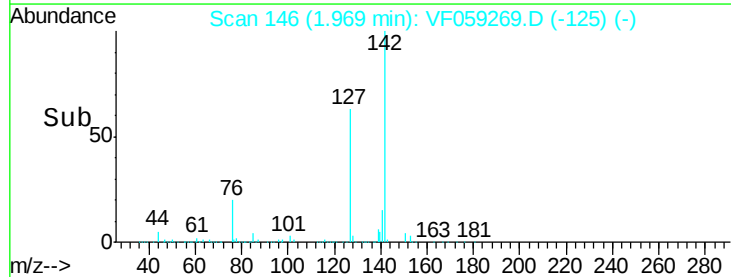
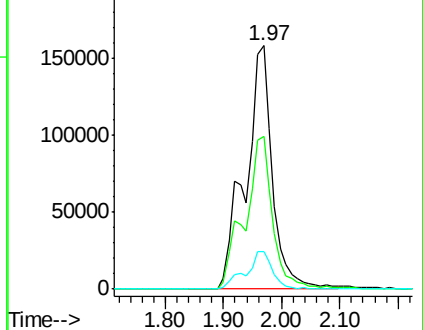
141 15.4 12.7 19.1

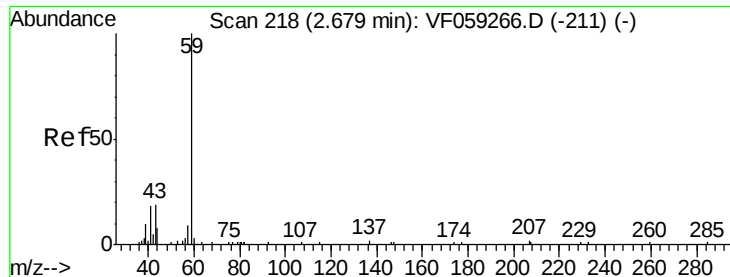


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

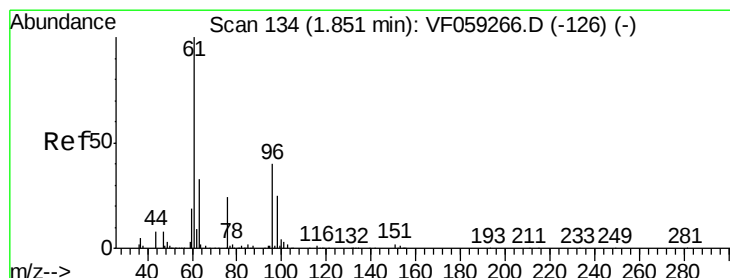
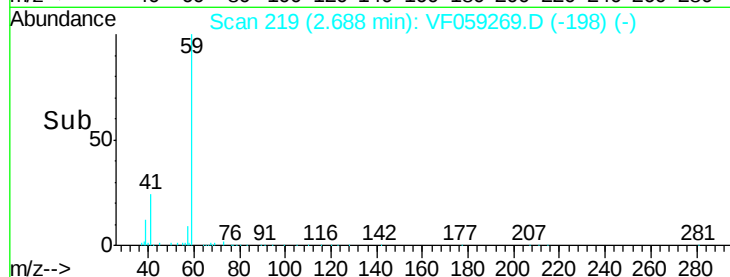
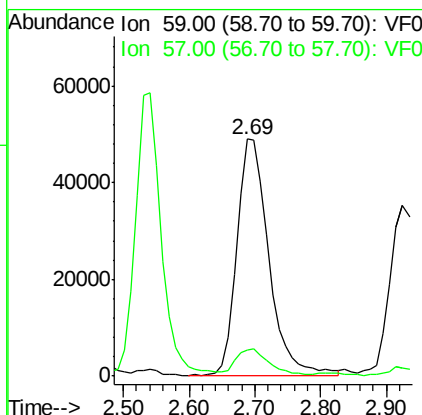
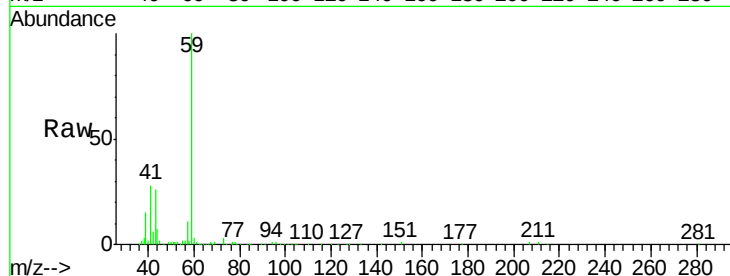




#11
Tert butyl alcohol
Concen: 794.698 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

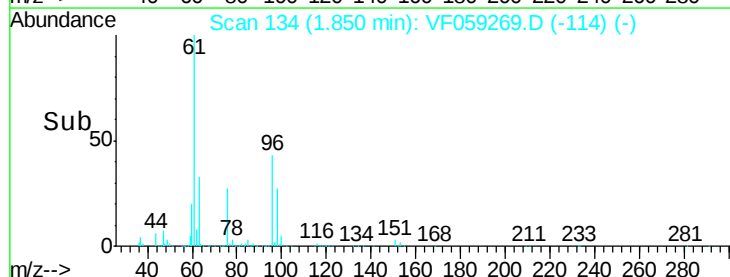
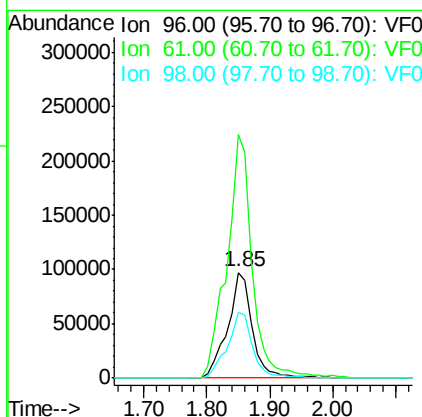
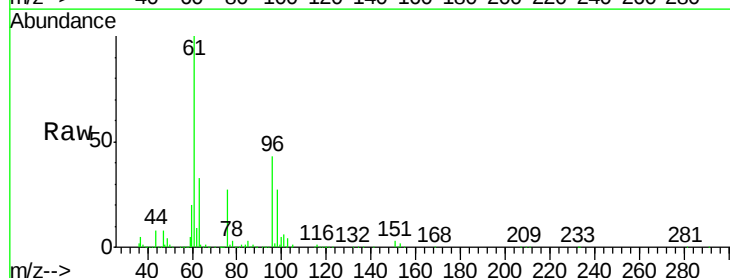
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

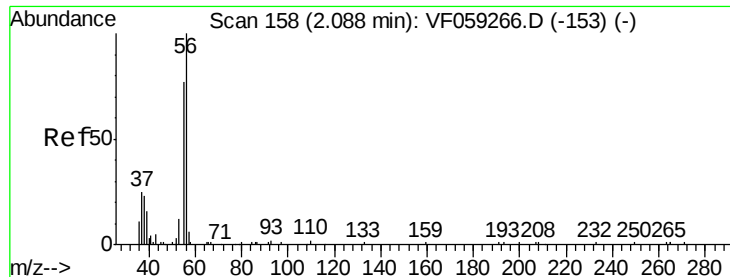
Tgt Ion: 59 Resp: 167131
Ion Ratio Lower Upper
59 100
57 11.0 9.2 13.8



#12
1,1-Dichloroethene
Concen: 150.294 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 96 Resp: 264189
Ion Ratio Lower Upper
96 100
61 231.0 201.4 302.2
98 61.9 50.0 75.0





#13

Acrolein

Concen: 710.924 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

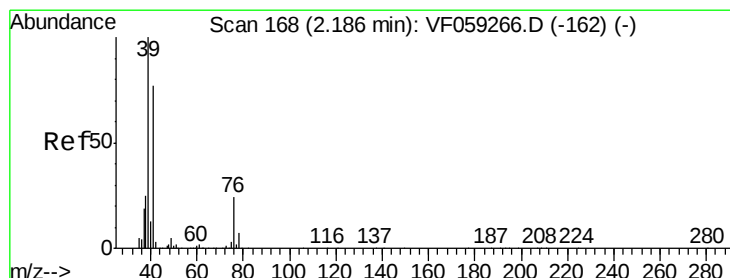
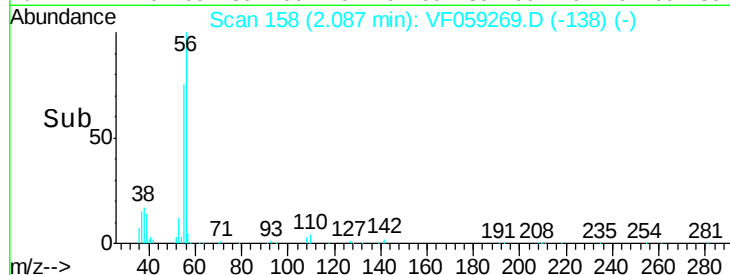
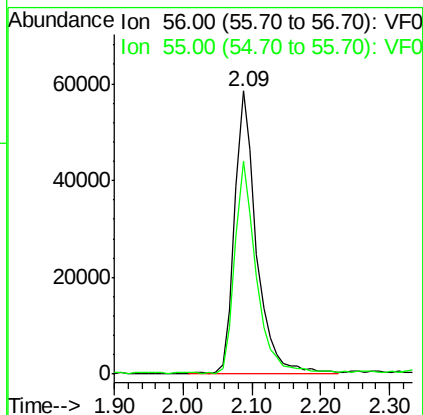
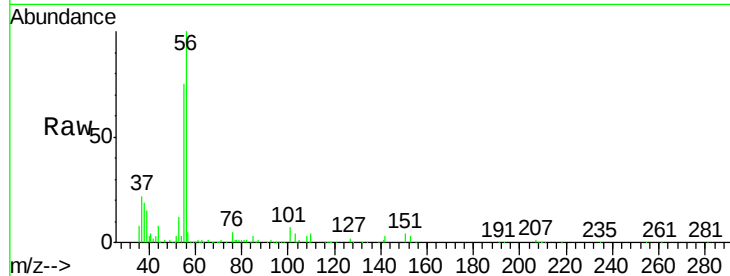
VSTDIC150

Tgt Ion: 56 Resp: 130079

Ion Ratio Lower Upper

56 100

55 75.0 63.0 94.6



#14

Allyl chloride

Concen: 143.904 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

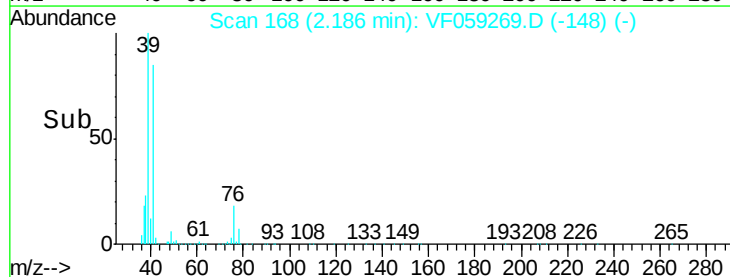
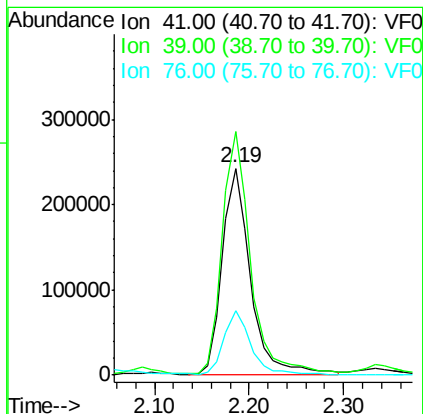
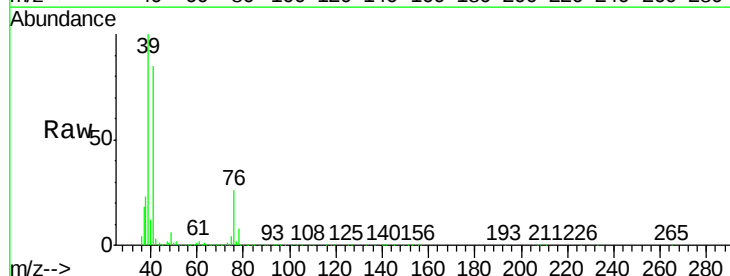
Tgt Ion: 41 Resp: 497915

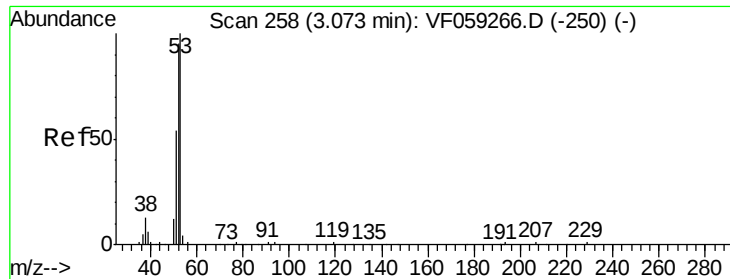
Ion Ratio Lower Upper

41 100

39 117.9 103.8 155.6

76 30.9 25.0 37.6





#15

Acrylonitrile

Concen: 1003.500 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

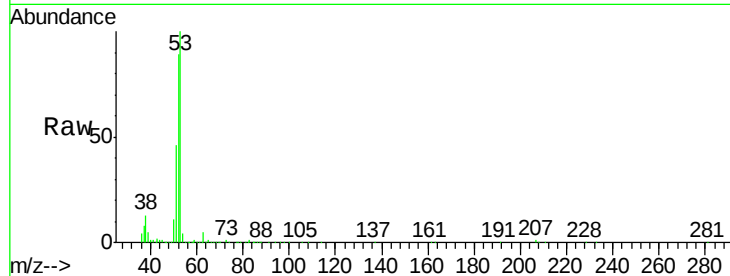
Tgt Ion: 53 Resp: 405085

Ion Ratio Lower Upper

53 100

52 89.5 75.7 113.5

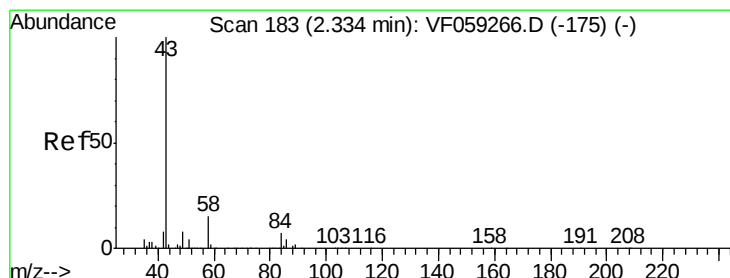
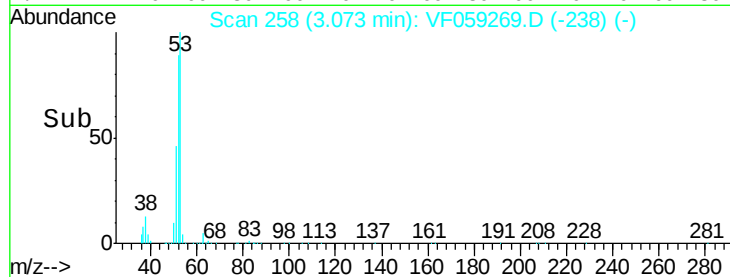
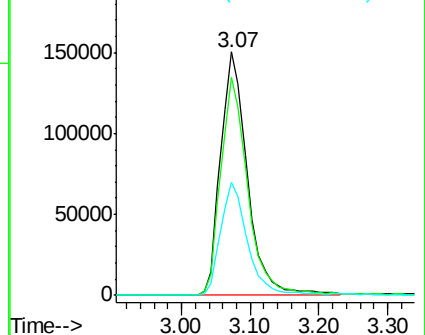
51 46.2 44.5 66.7



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: 749.324 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059269.D

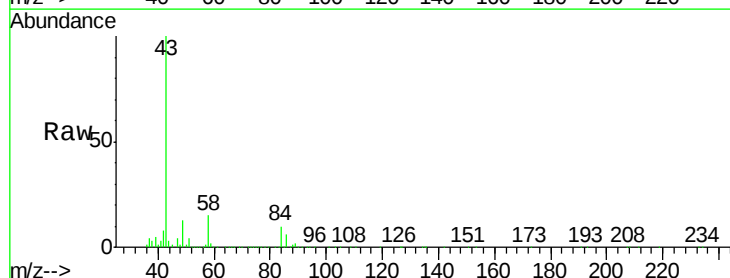
Acq: 21 Jun 2018 18:36

Tgt Ion: 43 Resp: 596151

Ion Ratio Lower Upper

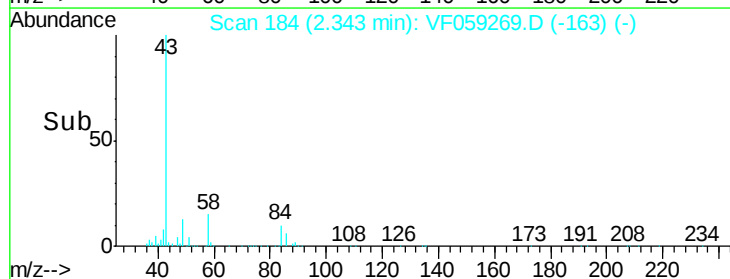
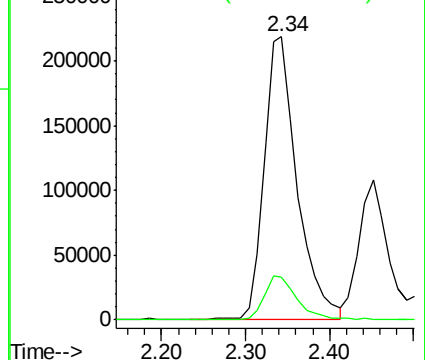
43 100

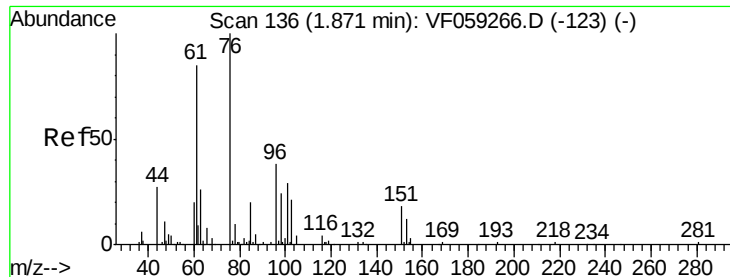
58 14.9 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

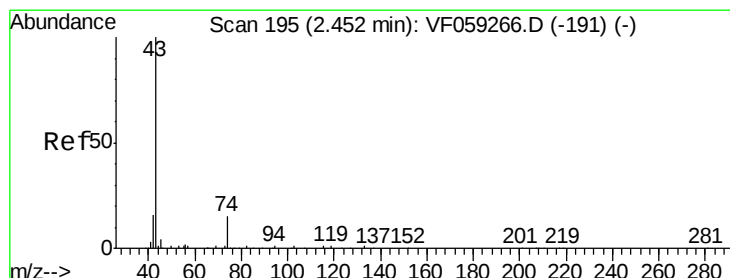
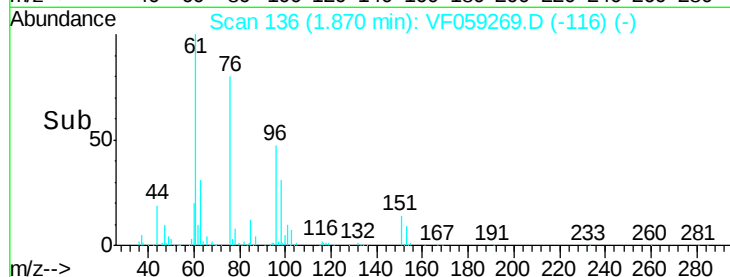
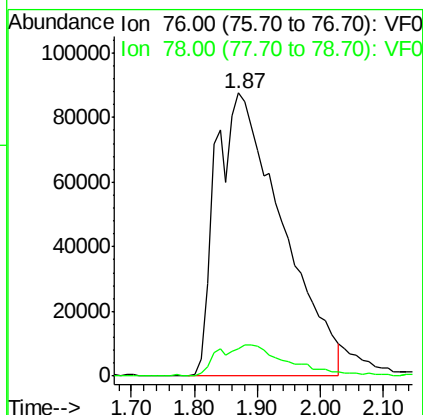
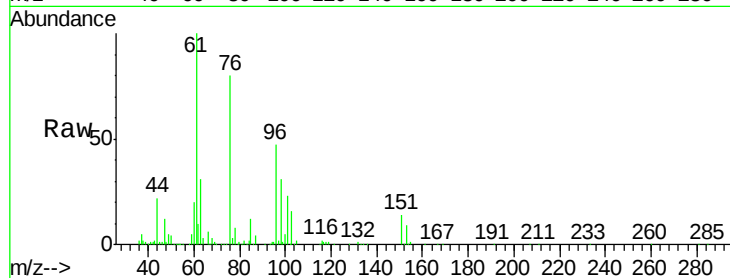




#17
Carbon Disulfide
Concen: 132.581 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

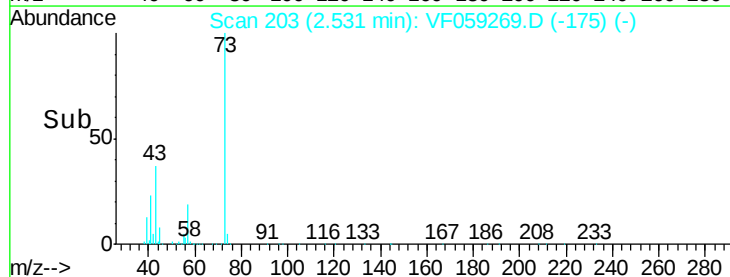
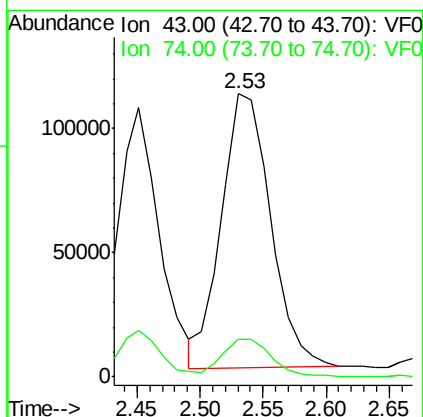
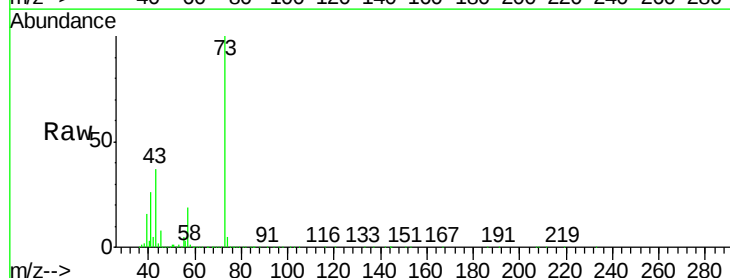
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

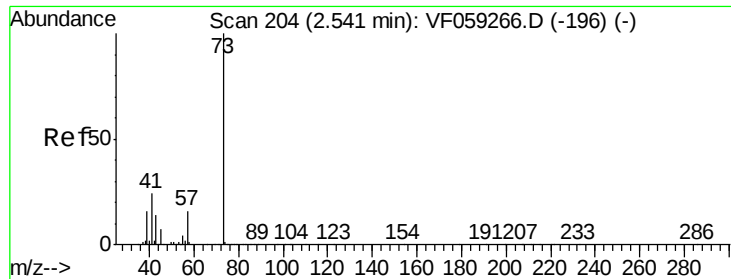
Tgt Ion: 76 Resp: 640877
Ion Ratio Lower Upper
76 100
78 9.8 8.6 12.8



#18
Methyl Acetate
Concen: 215.020 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.08 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 43 Resp: 299212
Ion Ratio Lower Upper
43 100
74 13.4 11.0 16.4

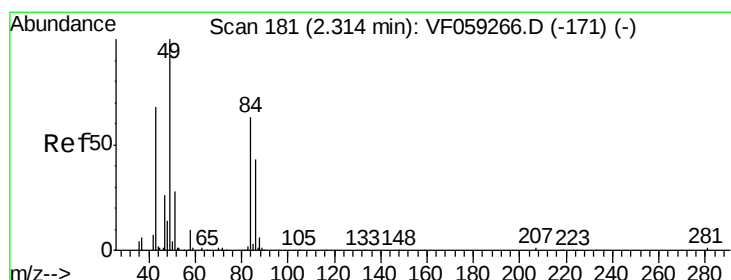
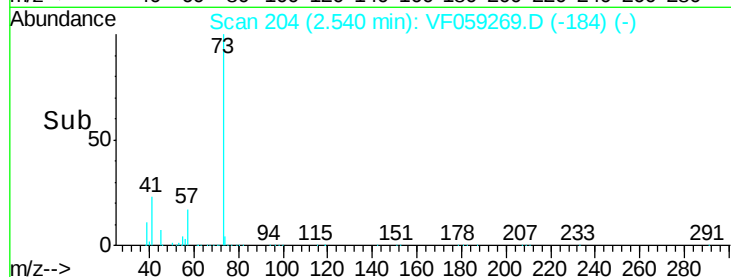
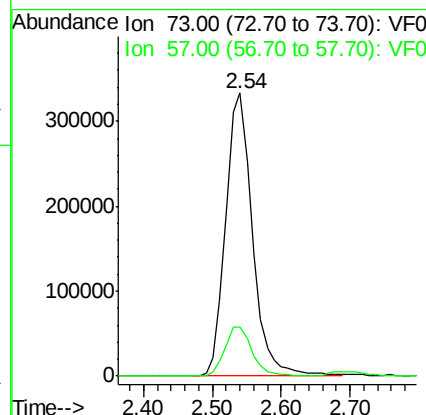
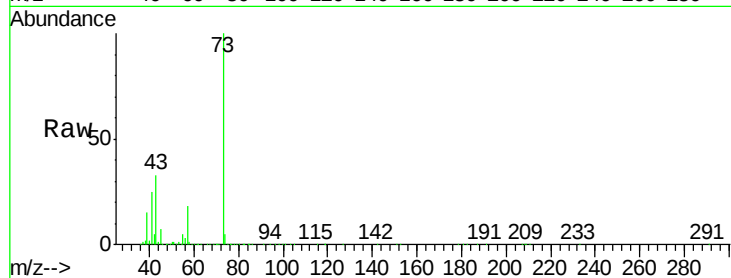




#19
Methyl tert-butyl Ether
Concen: 160.230 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

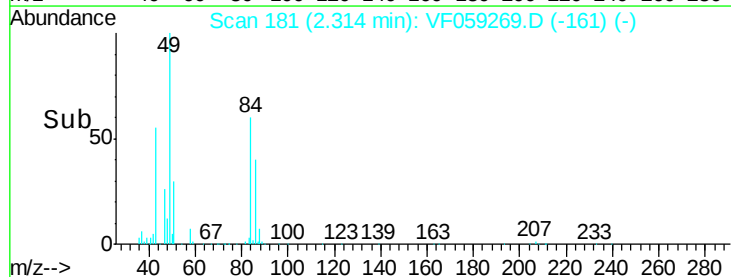
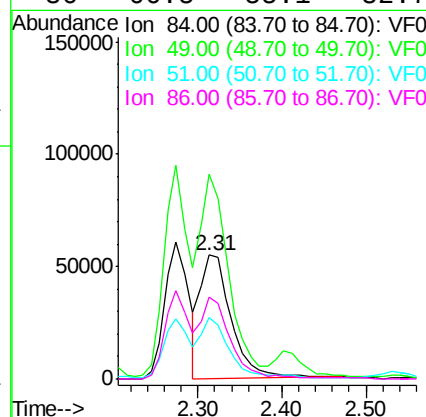
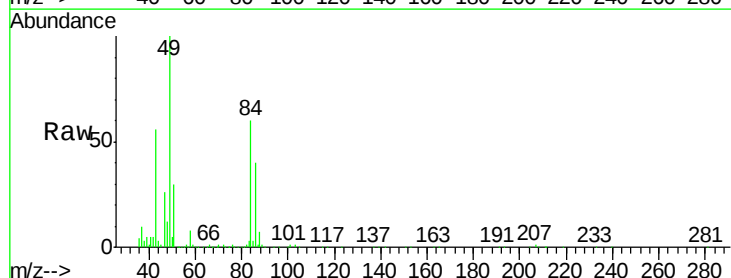
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

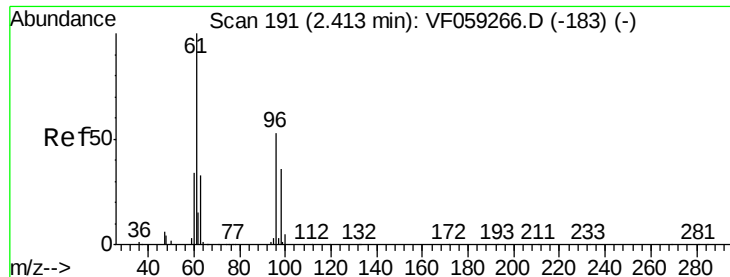
Tgt Ion: 73 Resp: 902282
Ion Ratio Lower Upper
73 100
57 17.6 13.0 19.4



#20
Methylene Chloride
Concen: 74.166 ug/l
RT: 2.31 min Scan# 181
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 84 Resp: 138616
Ion Ratio Lower Upper
84 100
49 165.8 130.0 195.0
51 49.7 36.6 55.0
86 66.5 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 143.515 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

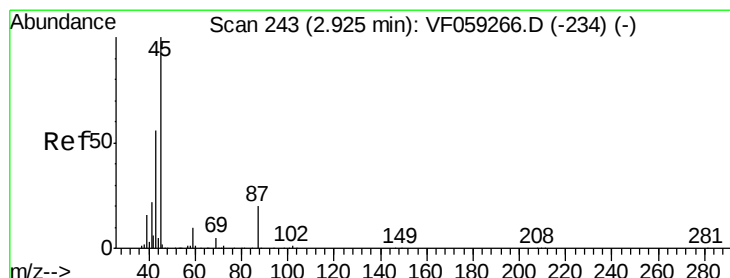
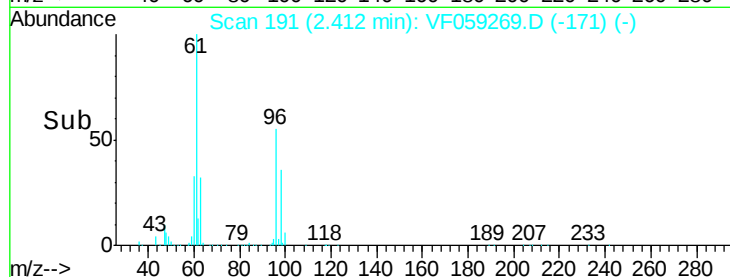
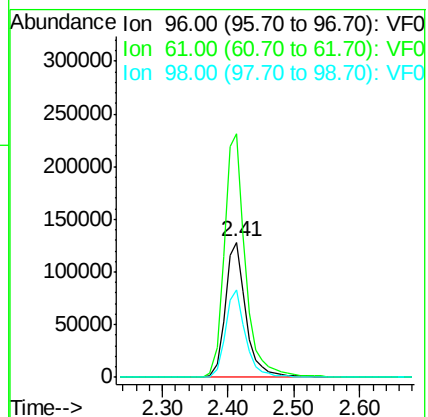
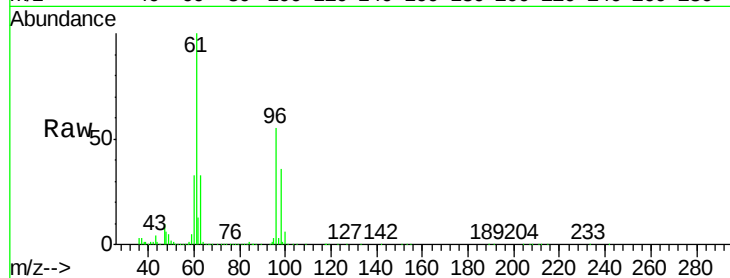
Tgt Ion: 96 Resp: 280160

Ion Ratio Lower Upper

96 100

61 180.6 151.2 226.8

98 64.7 54.2 81.2



#22

Diisopropyl ether

Concen: 157.104 ug/l

RT: 2.92 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Tgt Ion: 45 Resp: 1087878

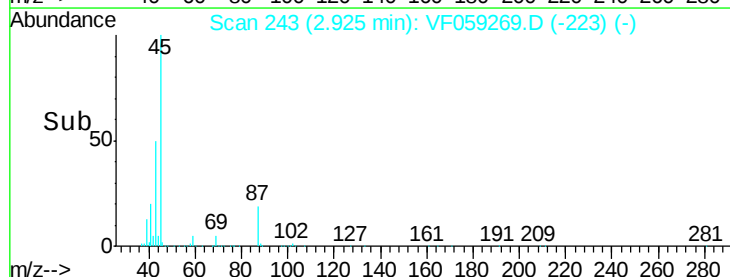
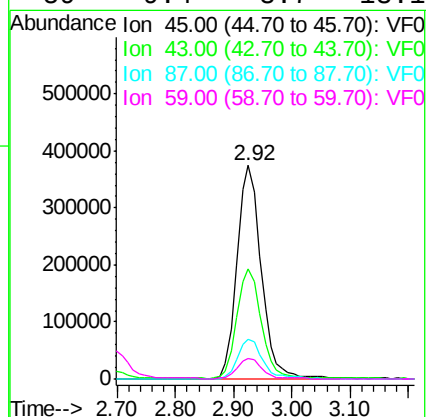
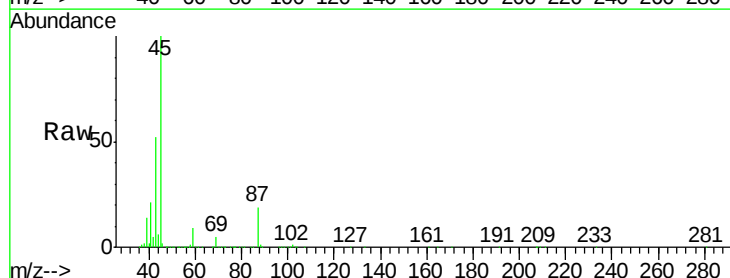
Ion Ratio Lower Upper

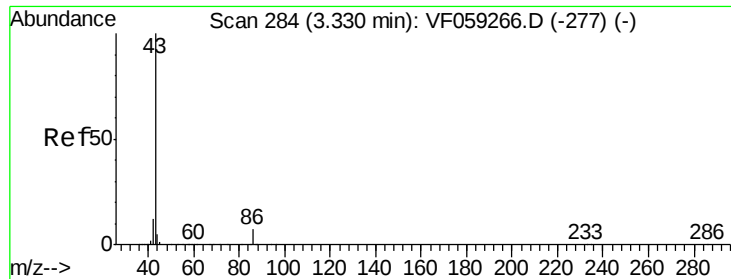
45 100

43 51.6 45.8 68.6

87 18.8 15.7 23.5

59 9.4 8.7 13.1

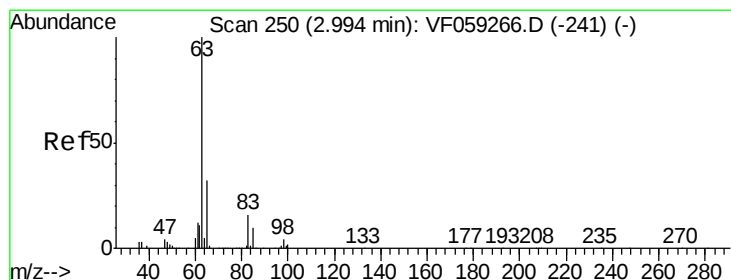
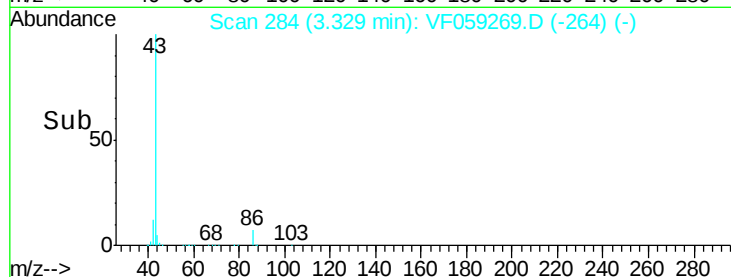
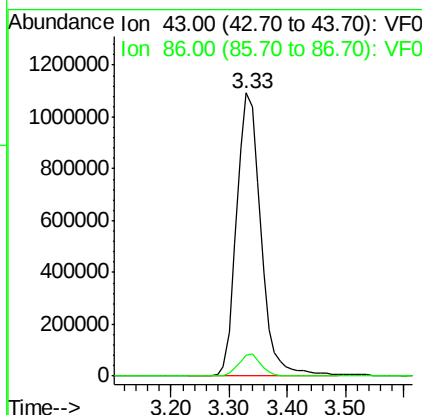
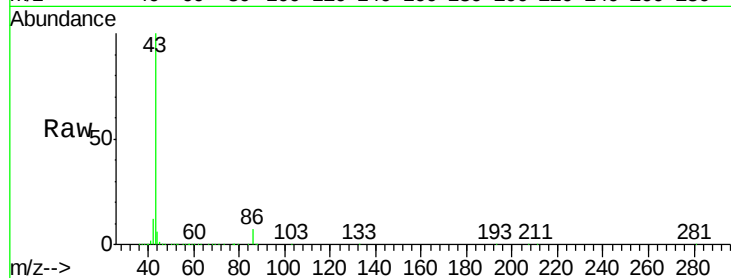




#23
 Vinyl Acetate
 Concen: 701.803 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

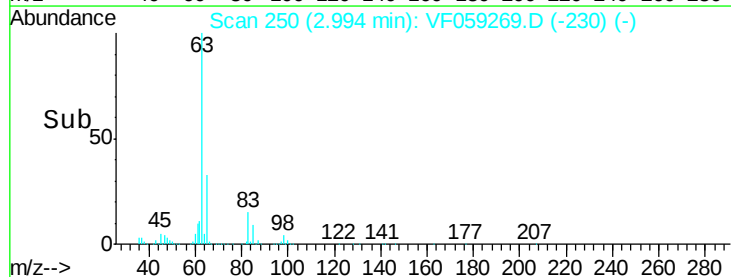
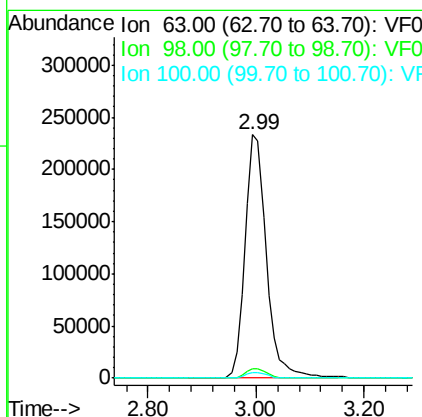
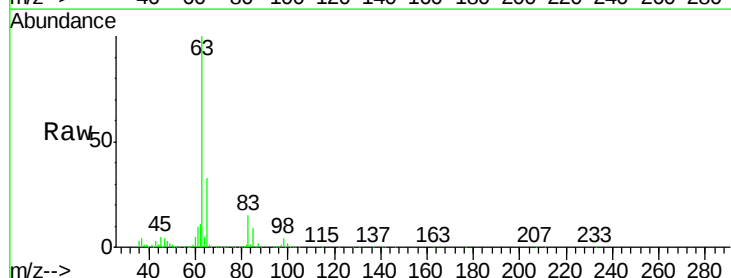
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

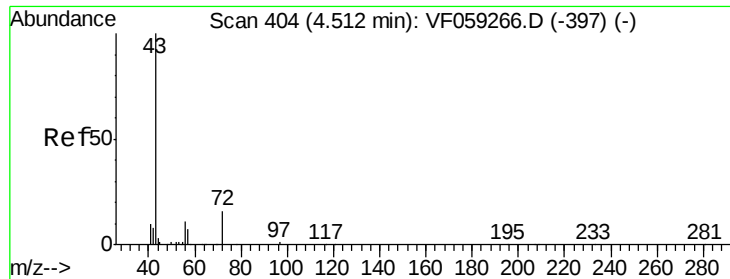
Tgt Ion: 43 Resp: 3169377
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.4 8.2



#24
 1,1-Dichloroethane
 Concen: 151.446 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion: 63 Resp: 638868
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.0 5.8
 100 2.5 1.1 3.1





#25

2-Butanone

Concen: 665.195 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

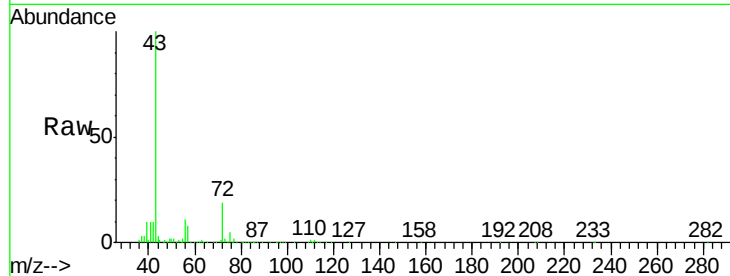
VSTDIC150

Tgt Ion: 43 Resp: 808828

Ion Ratio Lower Upper

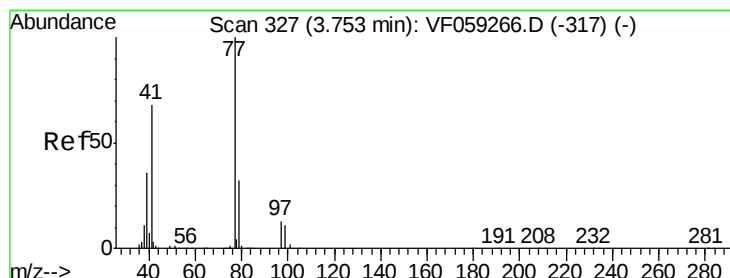
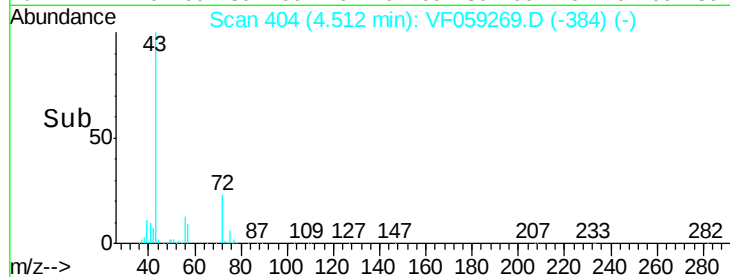
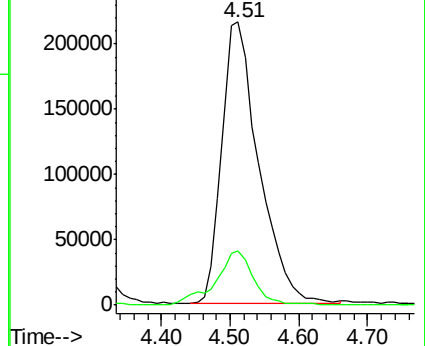
43 100

72 19.4 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: 136.167 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059269.D

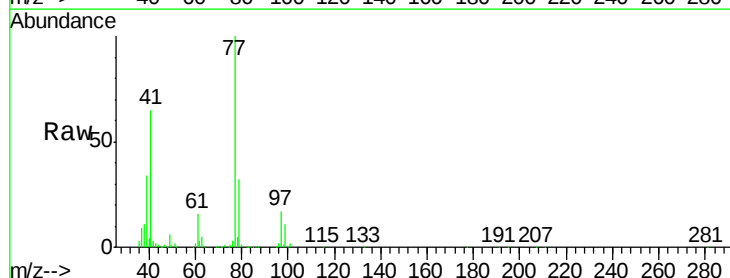
Acq: 21 Jun 2018 18:36

Tgt Ion: 77 Resp: 414679

Ion Ratio Lower Upper

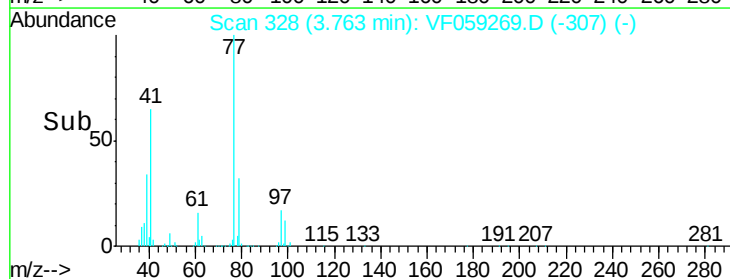
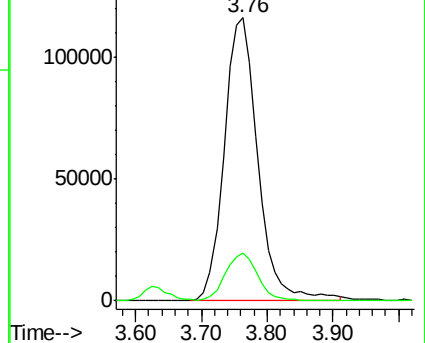
77 100

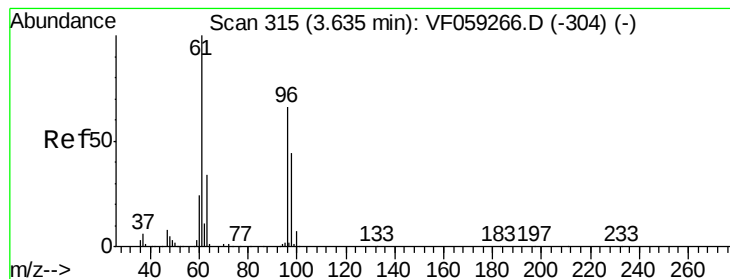
97 17.1 7.6 22.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



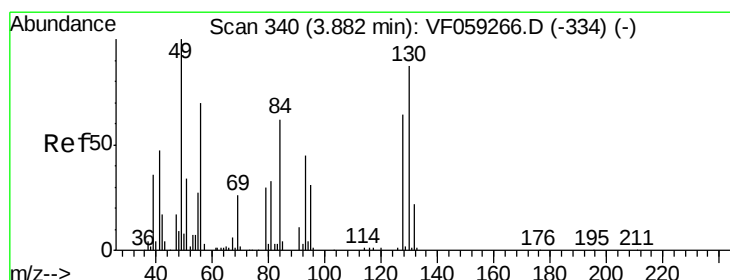
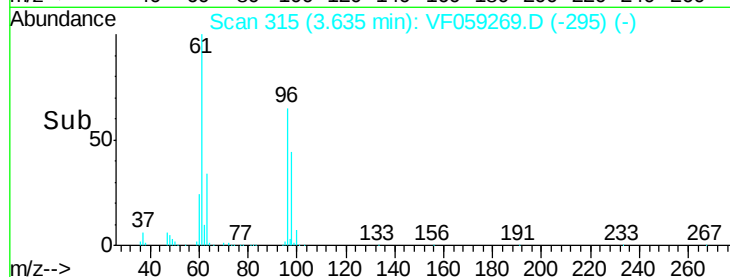
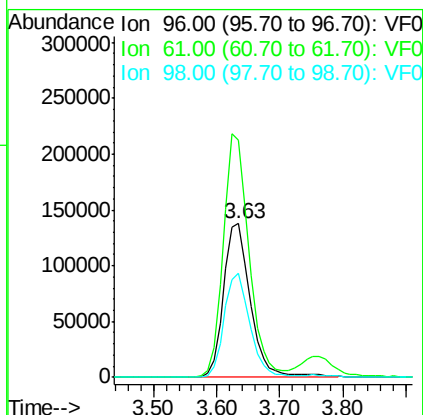
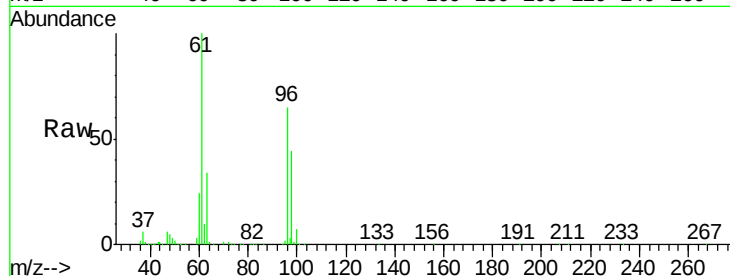


#27

cis-1,2-Dichloroethene
Concen: 137.344 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

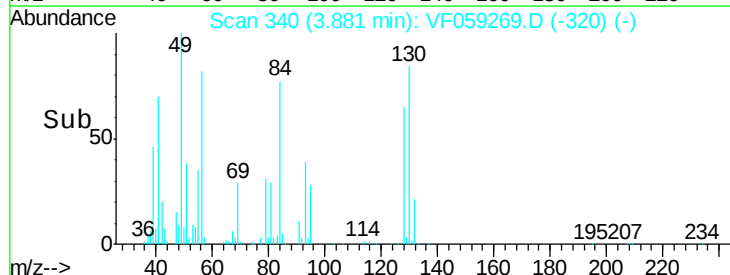
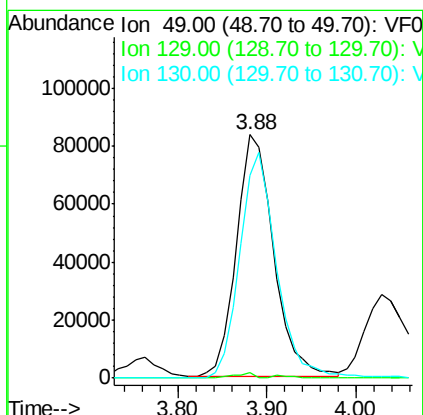
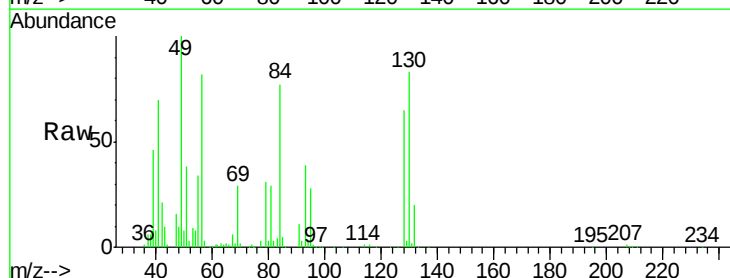
Tgt Ion: 96 Resp: 410132
Ion Ratio Lower Upper
96 100
61 153.9 0.0 305.0
98 67.8 0.0 134.0

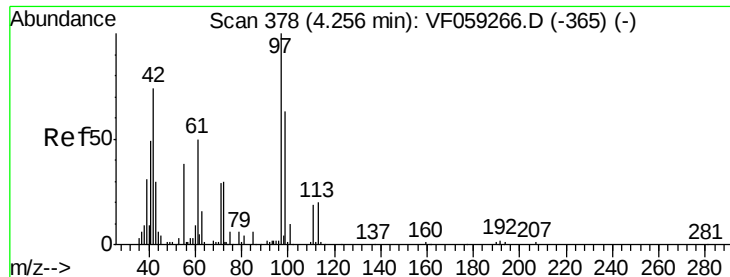


#28

Bromochloromethane
Concen: 129.331 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 49 Resp: 241418
Ion Ratio Lower Upper
49 100
129 2.5 0.0 3.8
130 83.1 69.4 104.2





#29

Tetrahydrofuran

Concen: 694.306 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

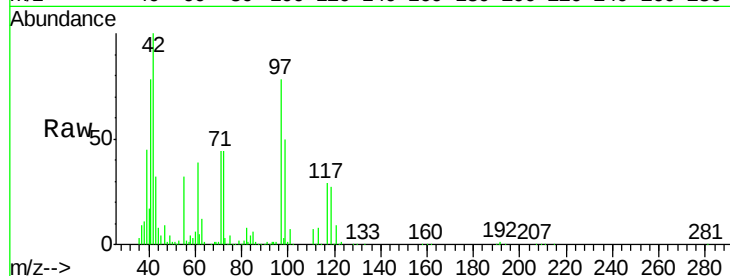
Tgt Ion: 42 Resp: 368346

Ion Ratio Lower Upper

42 100

72 37.9 31.2 46.8

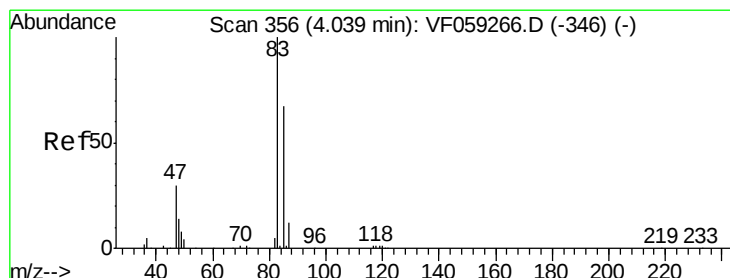
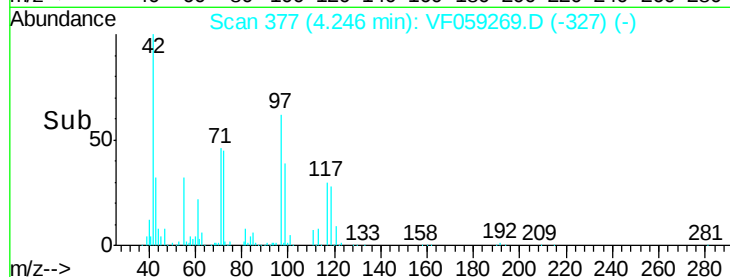
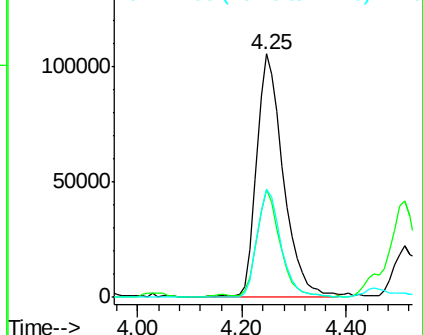
71 39.5 30.2 45.2



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: 149.700 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059269.D

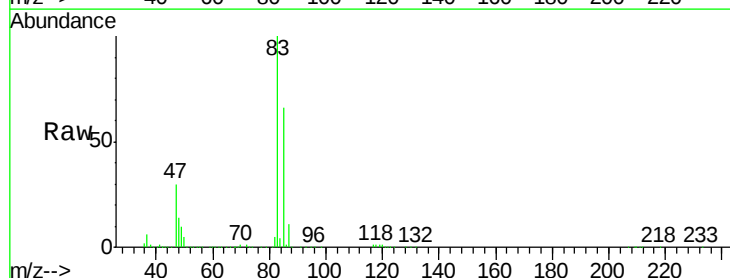
Acq: 21 Jun 2018 18:36

Tgt Ion: 83 Resp: 900592

Ion Ratio Lower Upper

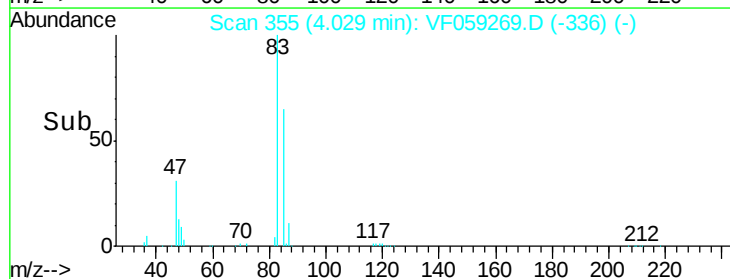
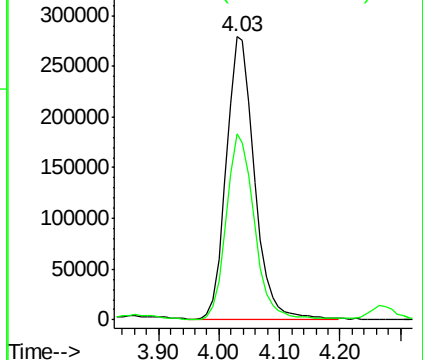
83 100

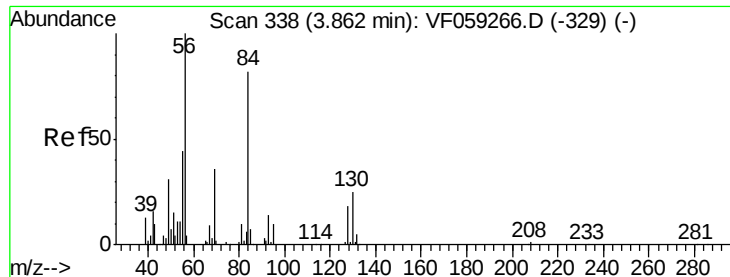
85 65.6 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

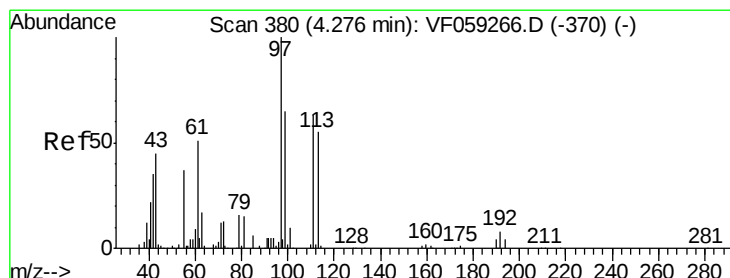
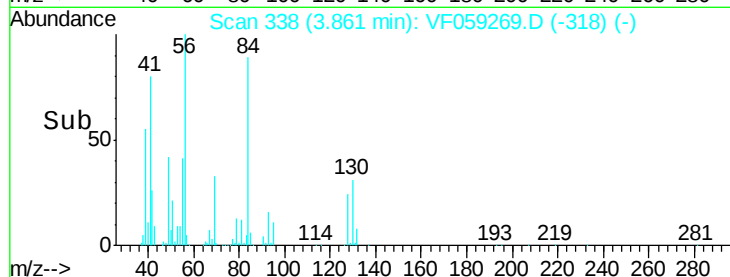
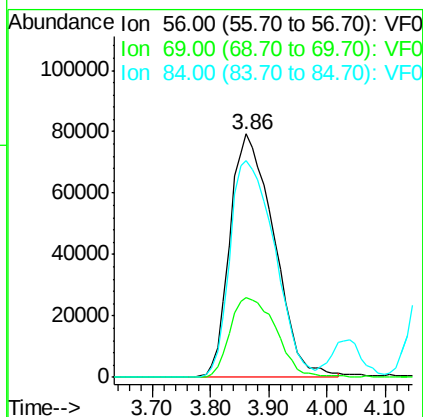
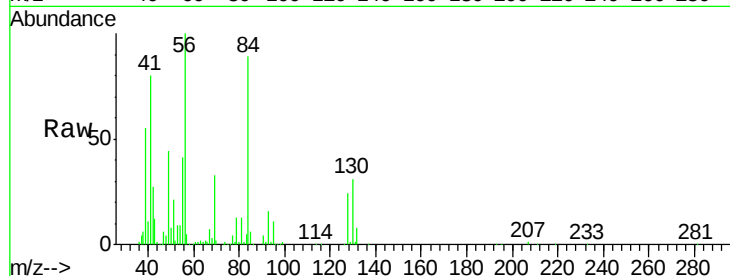




#31
Cyclohexane
Concen: 117.662 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

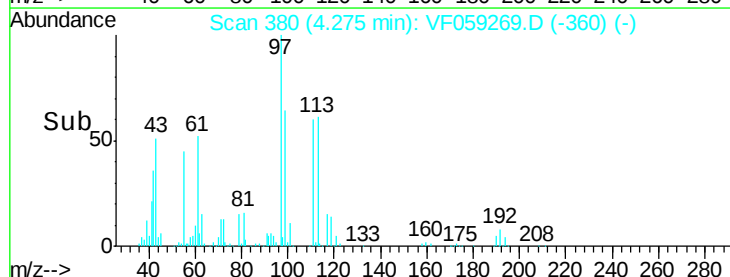
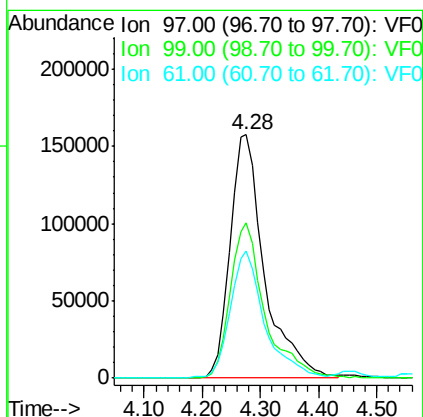
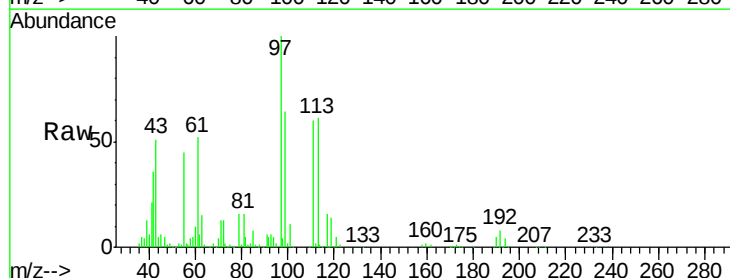
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

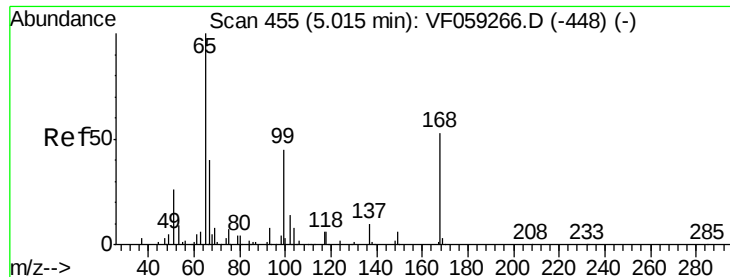
Tgt Ion: 56 Resp: 418592
Ion Ratio Lower Upper
56 100
69 32.6 28.6 43.0
84 89.3 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 143.541 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 97 Resp: 648608
Ion Ratio Lower Upper
97 100
99 63.9 52.4 78.6
61 52.3 40.9 61.3

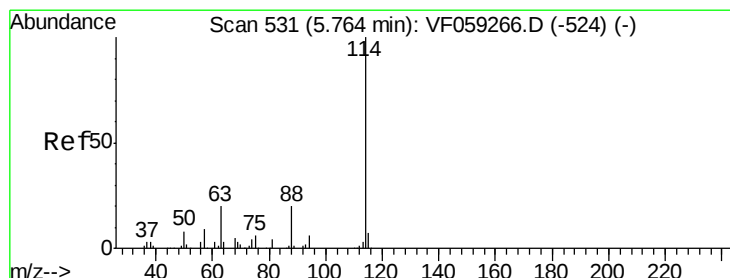
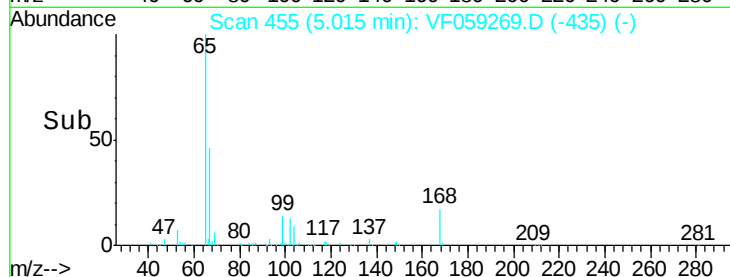
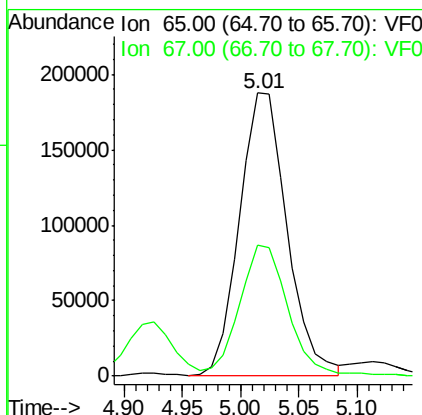
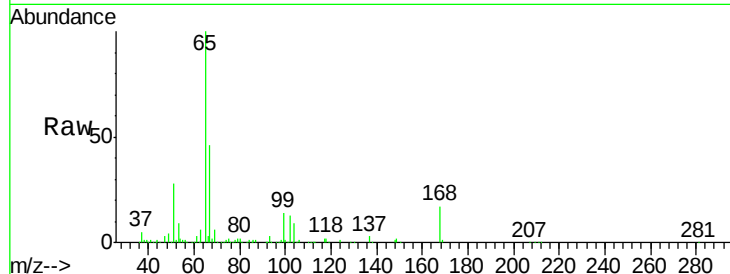




#33
 1,2-Dichloroethane-d4
 Concen: 158.339 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

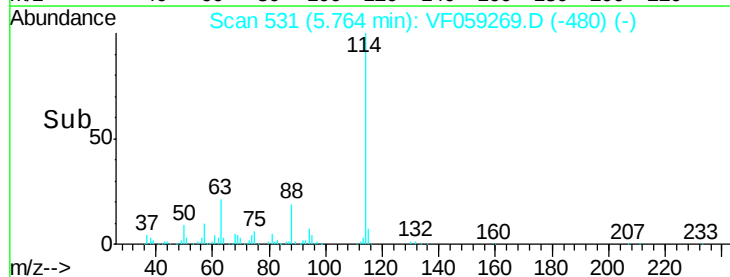
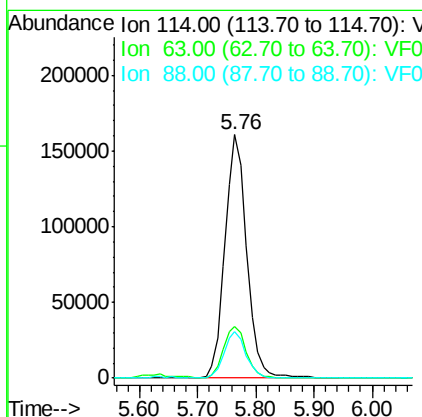
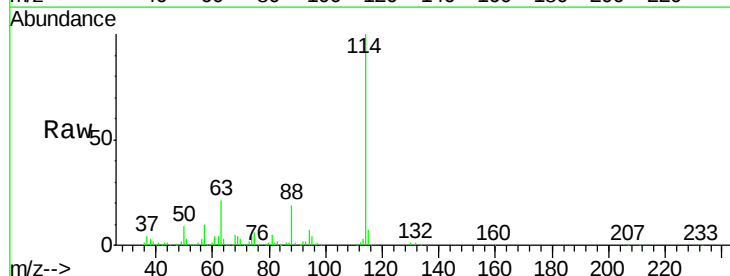
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

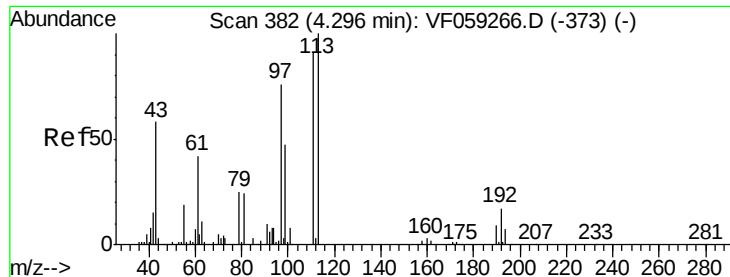
Tgt Ion: 65 Resp: 528258
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion: 114 Resp: 416700
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.0
 88 19.3 0.0 39.6





#35

Dibromofluoromethane

Concen: 153.524 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

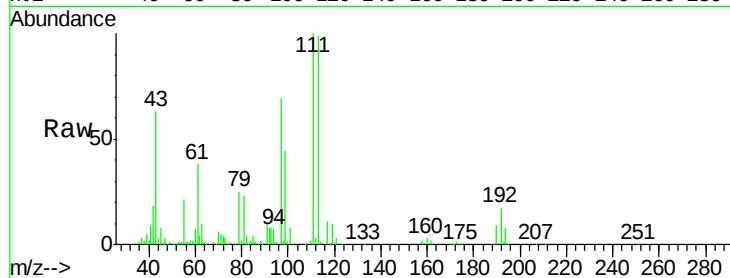
Tgt Ion:113 Resp: 453136

Ion Ratio Lower Upper

113 100

111 101.3 73.1 109.7

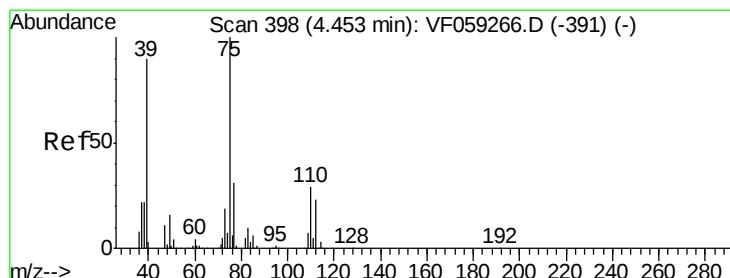
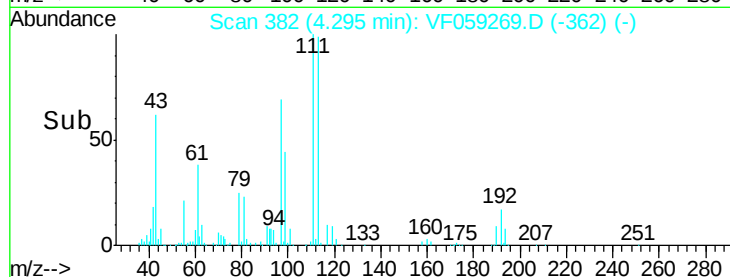
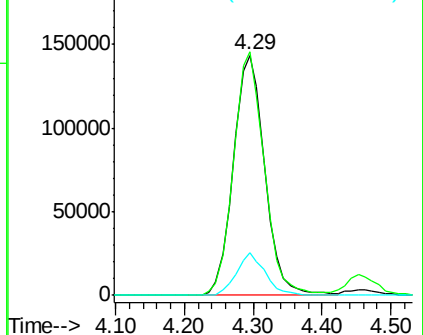
192 17.7 13.9 20.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 149.101 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

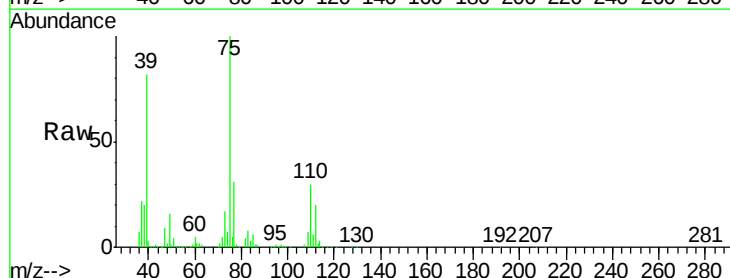
Tgt Ion: 75 Resp: 604209

Ion Ratio Lower Upper

75 100

110 30.4 14.5 43.5

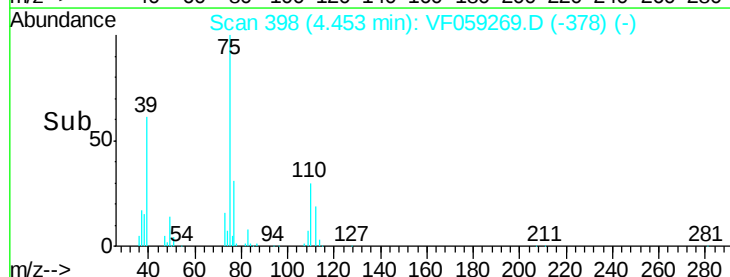
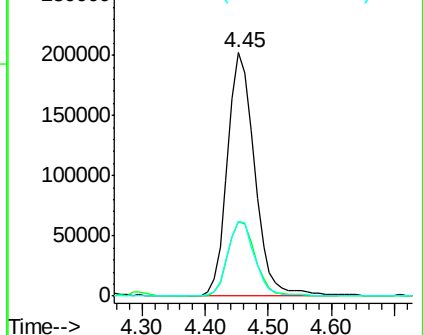
77 30.5 25.0 37.6

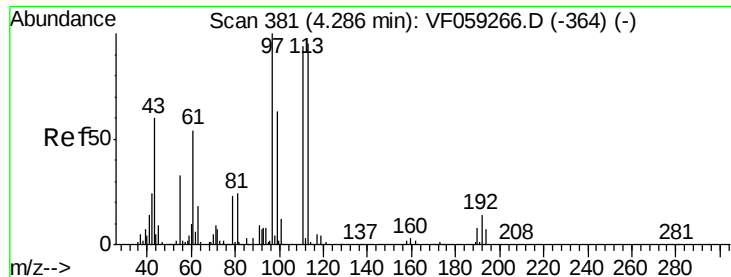


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 149.539 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

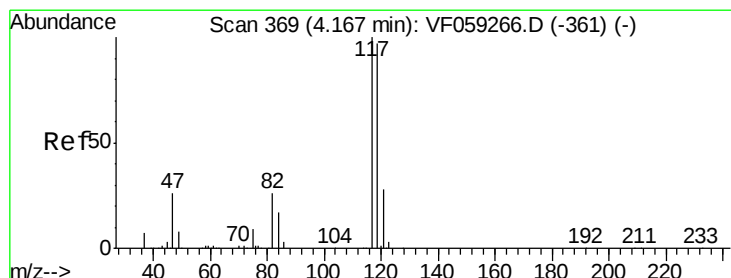
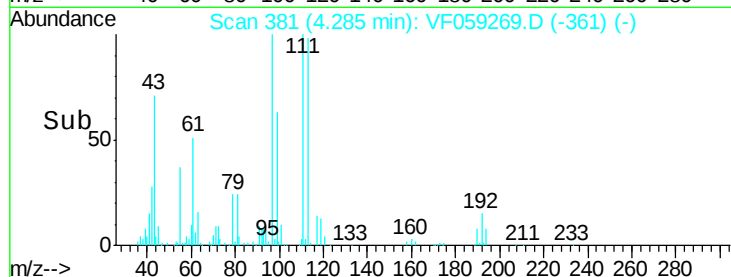
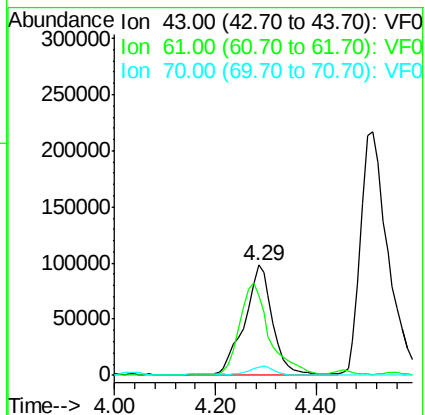
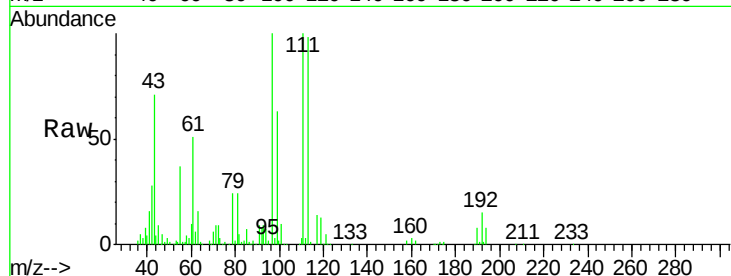
Tgt Ion: 43 Resp: 378305

Ion Ratio Lower Upper

43 100

61 72.0 71.6 107.4

70 7.7 6.9 10.3



#38

Carbon Tetrachloride

Concen: 178.003 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

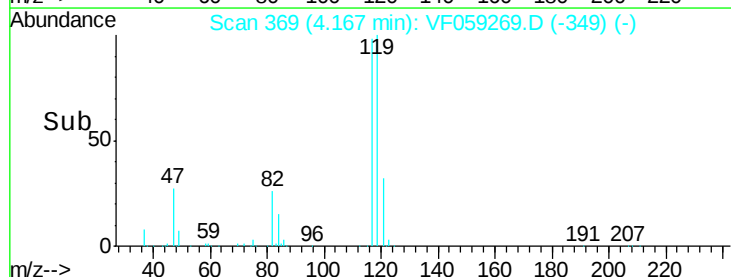
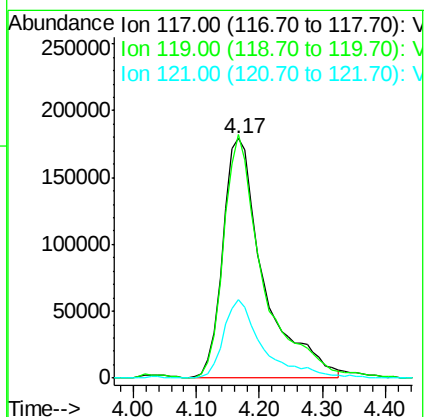
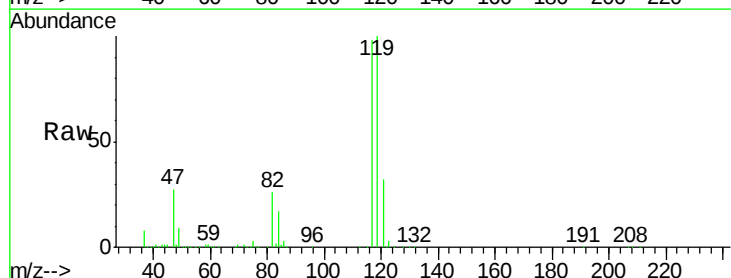
Tgt Ion: 117 Resp: 800230

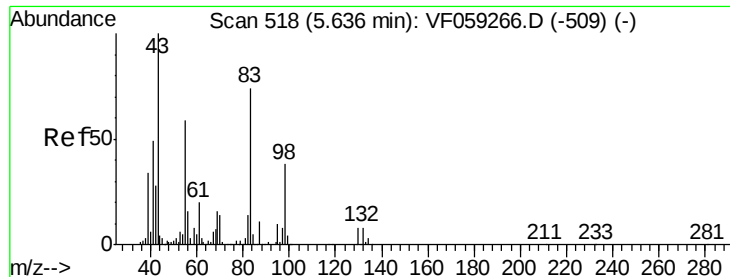
Ion Ratio Lower Upper

117 100

119 101.6 77.5 116.3

121 32.7 22.2 33.4

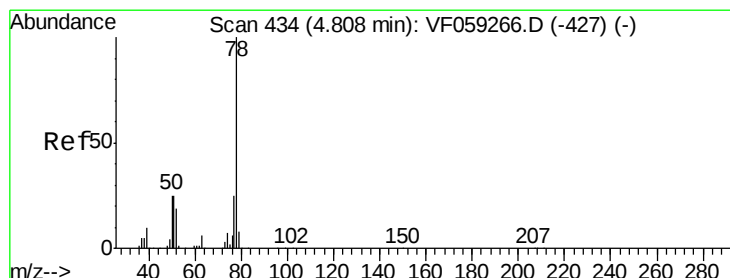
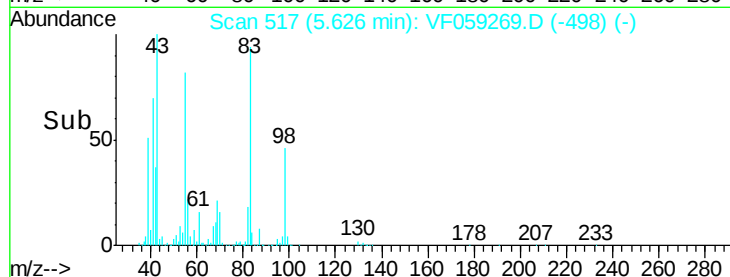
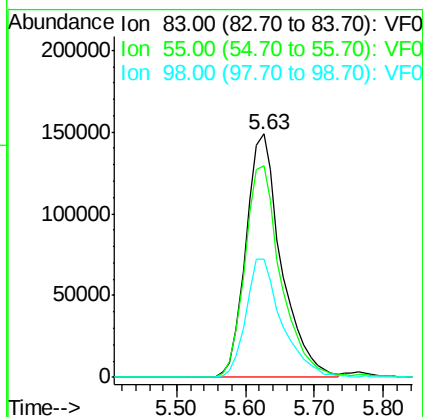
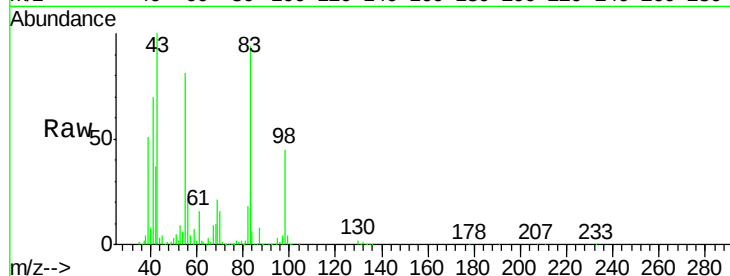




#39
Methylcyclohexane
Concen: 132.655 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

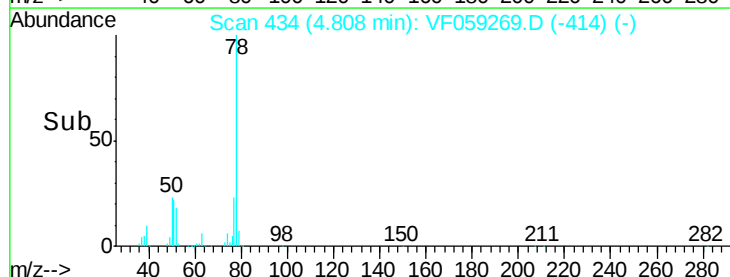
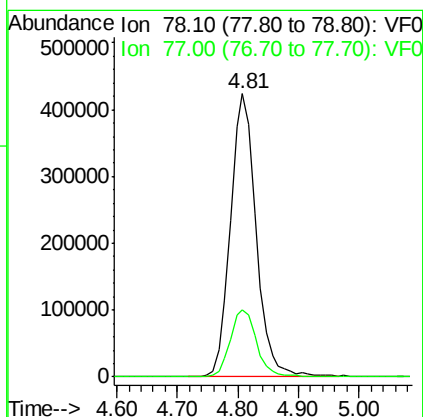
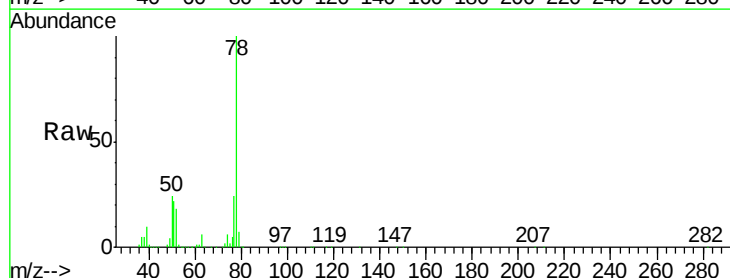
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

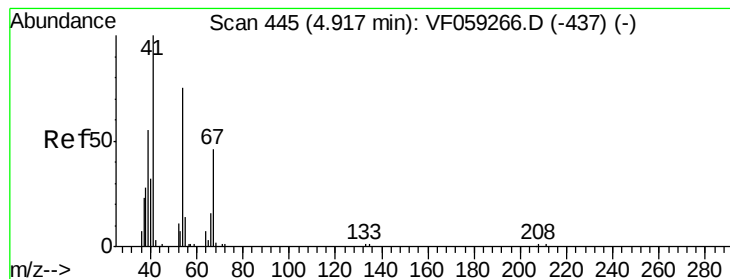
Tgt Ion: 83 Resp: 532354
Ion Ratio Lower Upper
83 100
55 86.7 63.7 95.5
98 48.4 41.6 62.4



#40
Benzene
Concen: 134.184 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 78 Resp: 1249603
Ion Ratio Lower Upper
78 100
77 23.6 20.4 30.6





#41

Methacrylonitrile

Concen: 155.148 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 192689

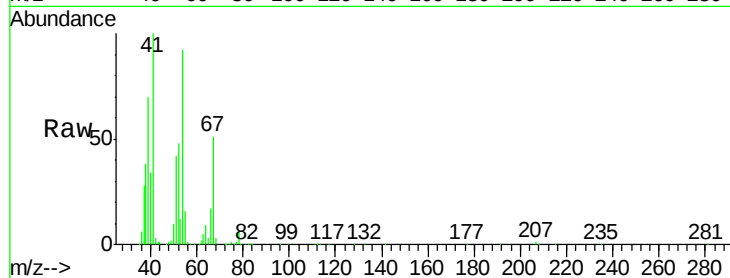
Ion Ratio Lower Upper

41 100

39 69.6 57.0 85.6

67 50.9 36.8 55.2

52 48.3 37.7 56.5

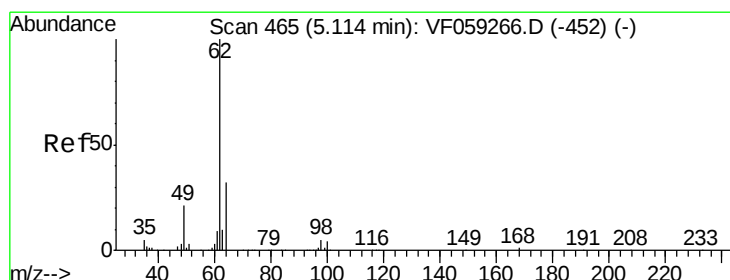
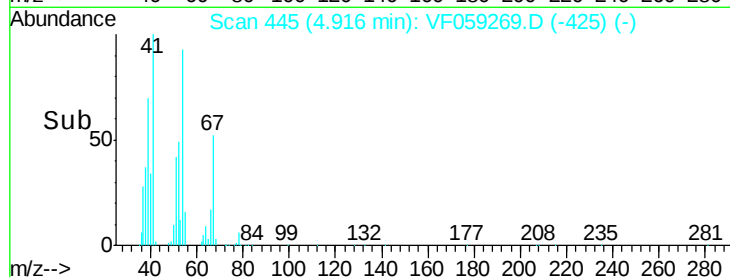
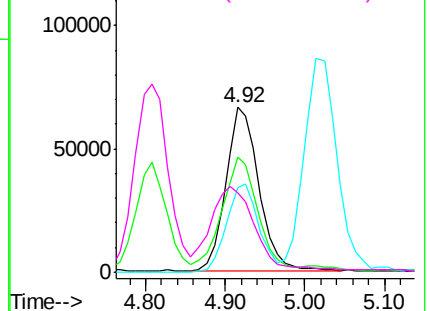


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 167.032 ug/l

RT: 5.11 min Scan# 465

Delta R.T. -0.00 min

Lab File: VF059269.D

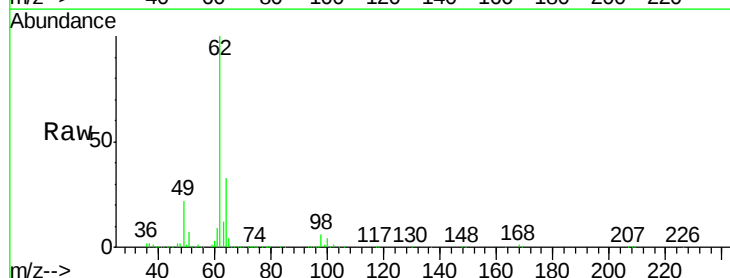
Acq: 21 Jun 2018 18:36

Tgt Ion: 62 Resp: 735224

Ion Ratio Lower Upper

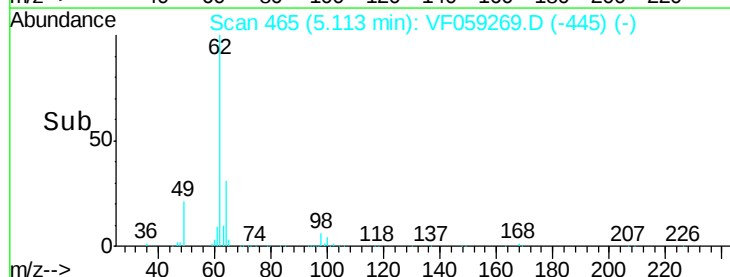
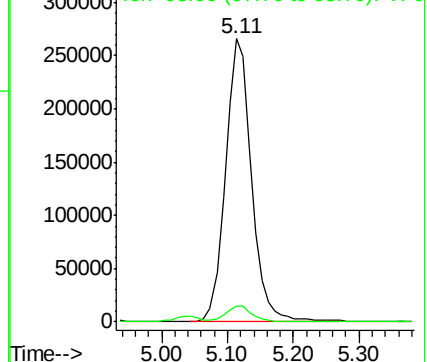
62 100

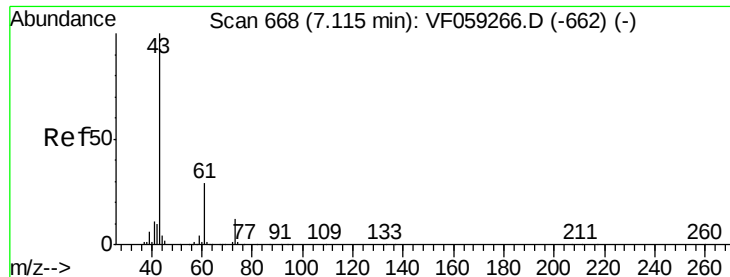
98 5.8 0.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 154.999 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

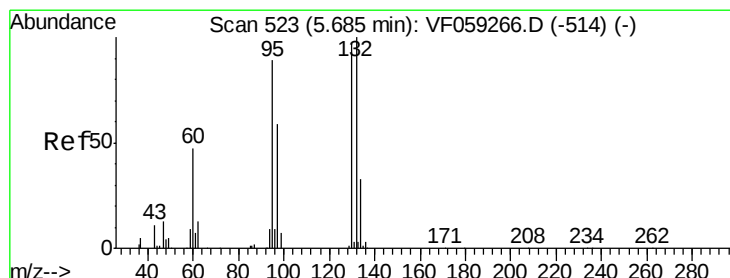
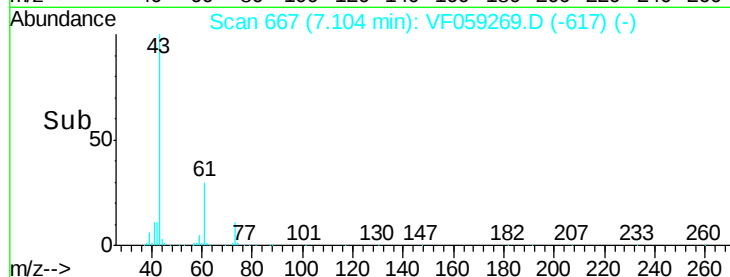
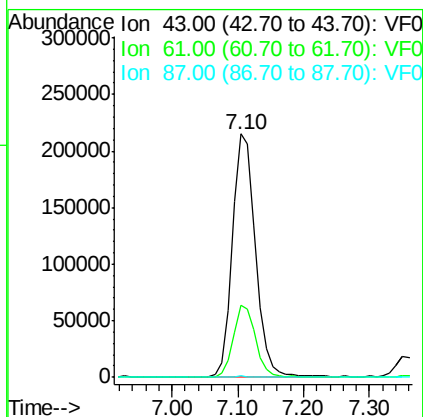
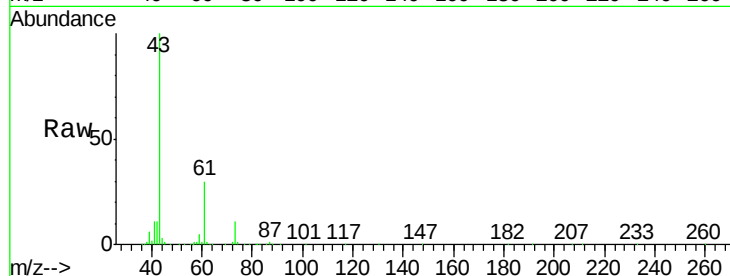
Tgt Ion: 43 Resp: 526824

Ion Ratio Lower Upper

43 100

61 29.6 22.8 34.2

87 0.5 0.3 0.5#



#44

Trichloroethene

Concen: 140.569 ug/l

RT: 5.67 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF059269.D

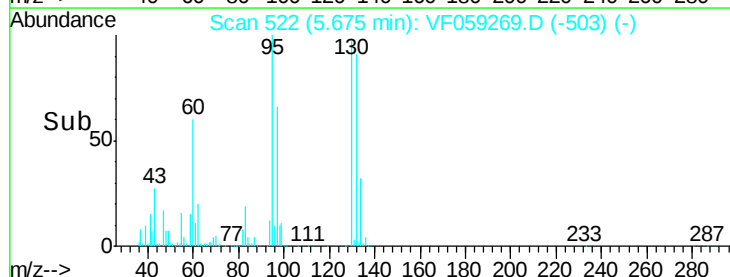
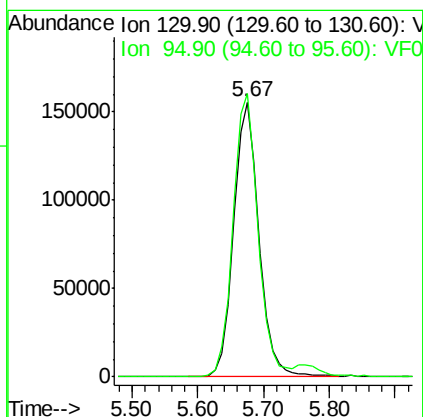
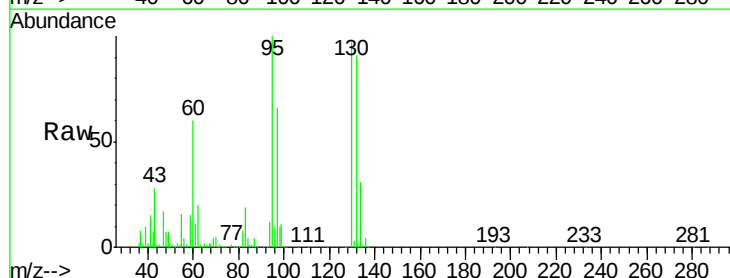
Acq: 21 Jun 2018 18:36

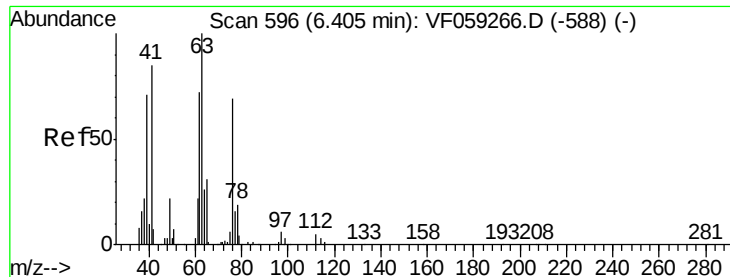
Tgt Ion: 130 Resp: 420060

Ion Ratio Lower Upper

130 100

95 103.0 0.0 183.6





#45

1,2-Dichloropropane

Concen: 135.458 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

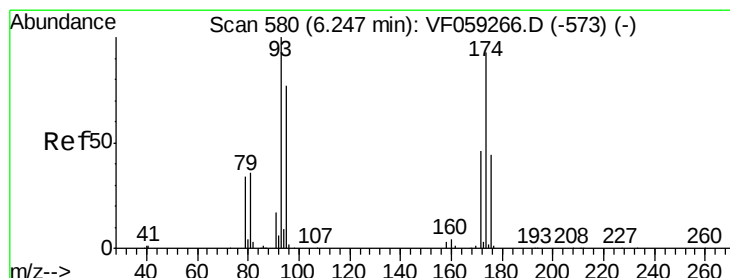
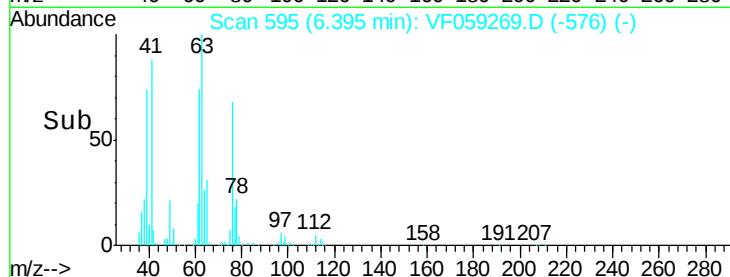
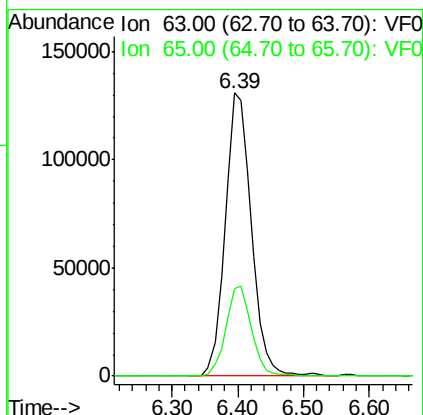
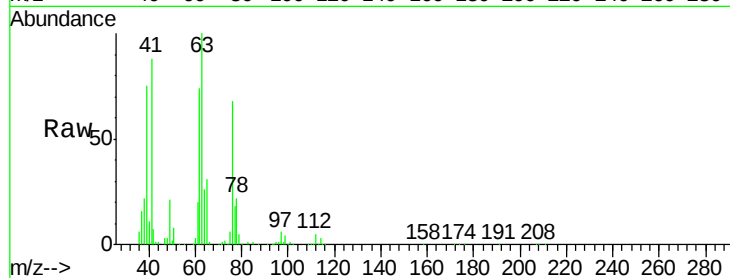
VSTDIC150

Tgt Ion: 63 Resp: 365130

Ion Ratio Lower Upper

63 100

65 31.0 25.3 37.9



#46

Dibromomethane

Concen: 152.617 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

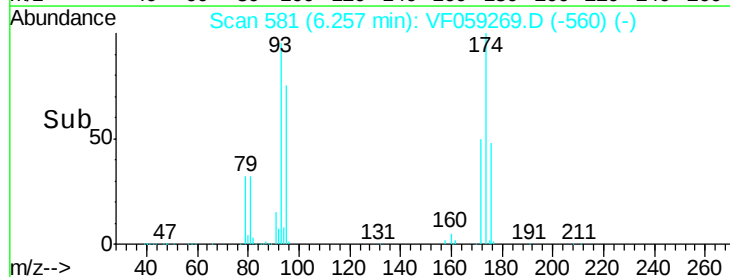
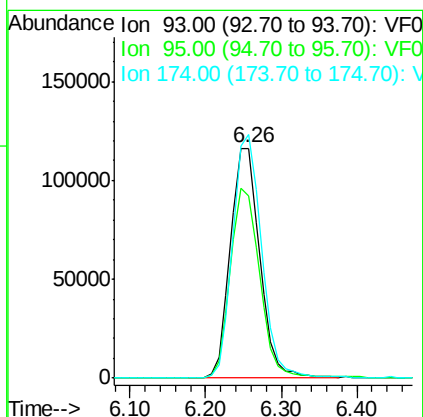
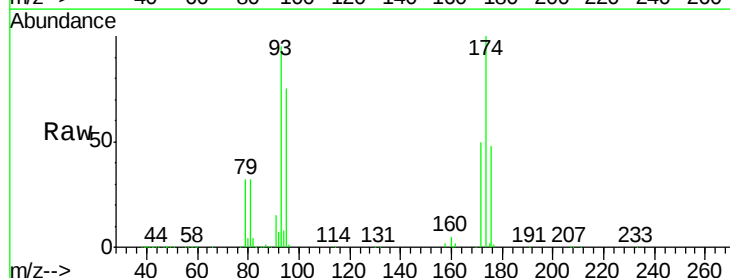
Tgt Ion: 93 Resp: 313652

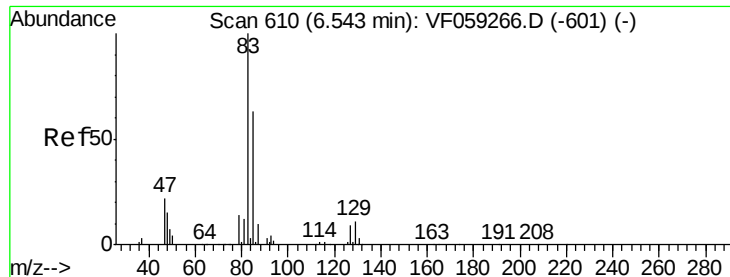
Ion Ratio Lower Upper

93 100

95 79.2 61.8 92.6

174 105.8 74.4 111.6





#47

Bromodichloromethane

Concen: 155.400 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

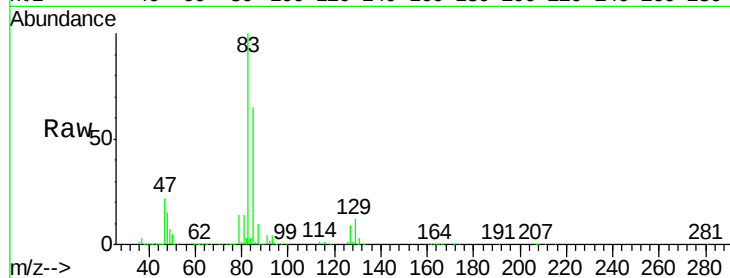
Tgt Ion: 83 Resp: 737135

Ion Ratio Lower Upper

83 100

85 65.5 50.3 75.5

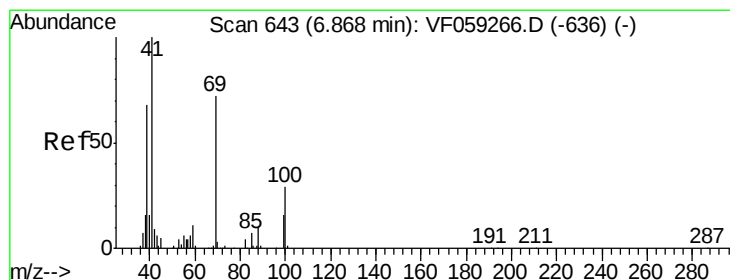
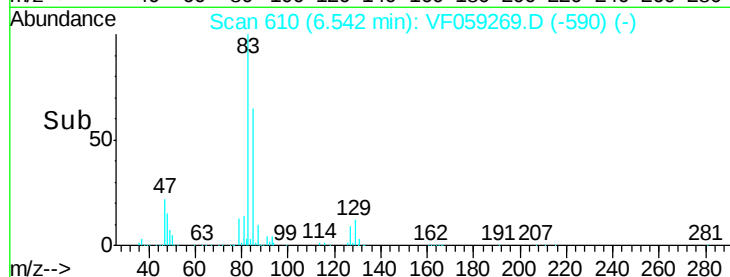
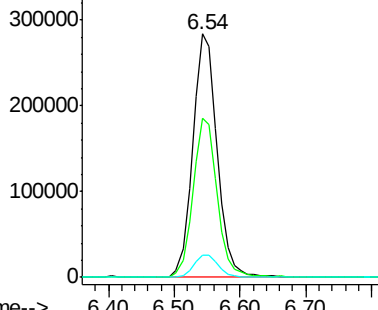
127 9.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 164.052 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

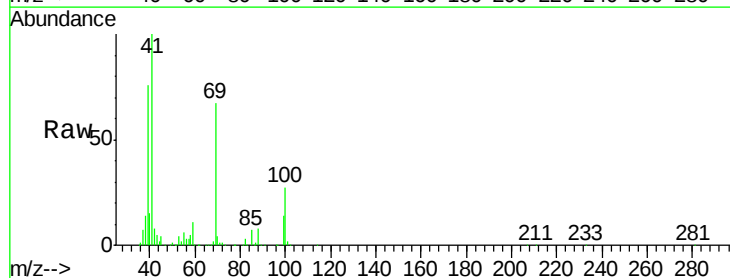
Tgt Ion: 41 Resp: 341493

Ion Ratio Lower Upper

41 100

69 67.1 57.4 86.2

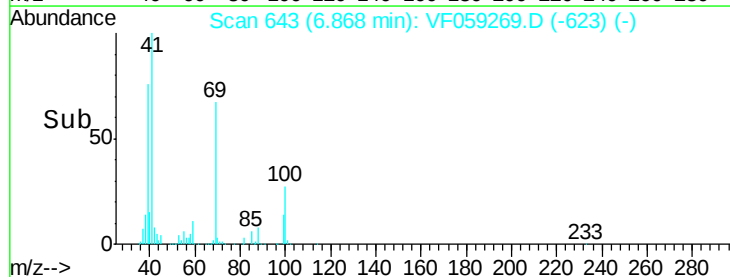
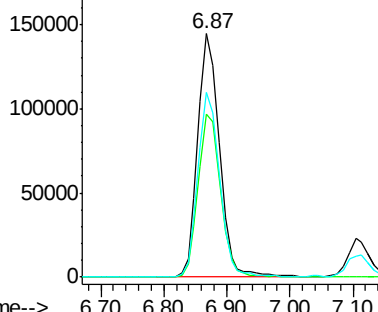
39 75.7 54.8 82.2

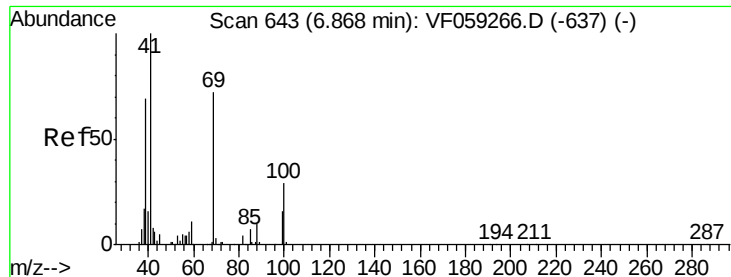


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2834.505 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

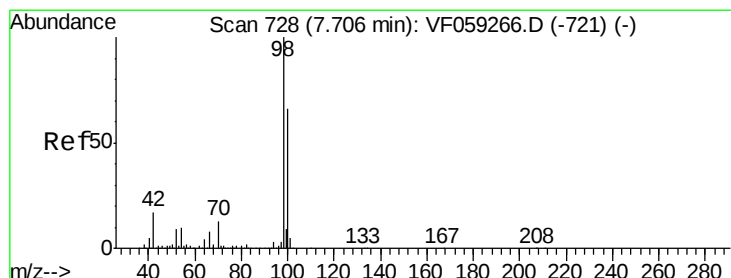
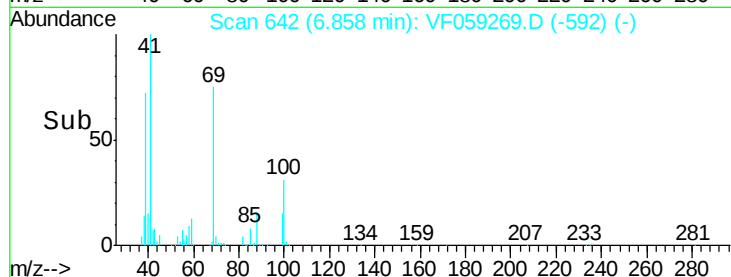
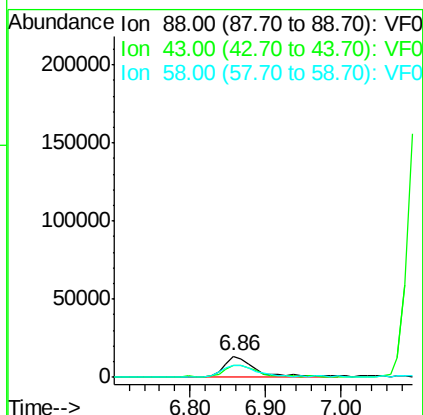
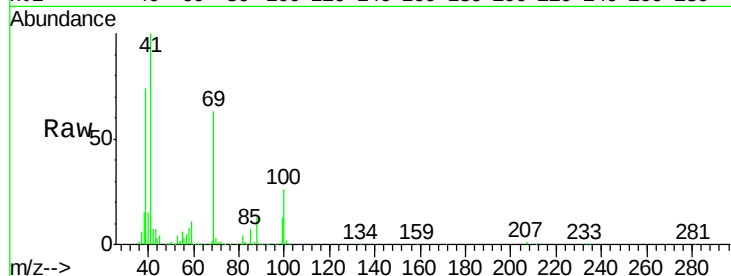
Tgt Ion: 88 Resp: 39082

Ion Ratio Lower Upper

88 100

43 53.4 55.5 83.3#

58 57.0 50.1 75.1



#50

Toluene-d8

Concen: 137.612 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059269.D

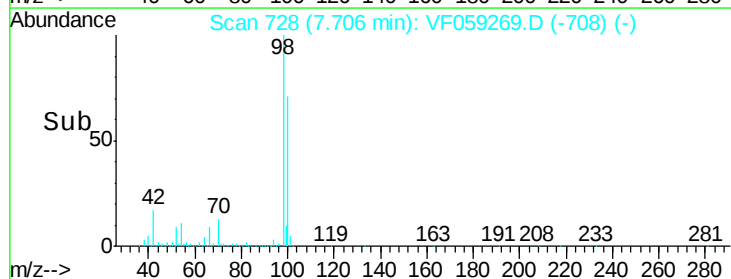
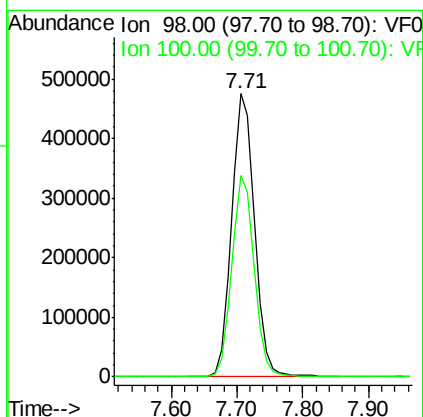
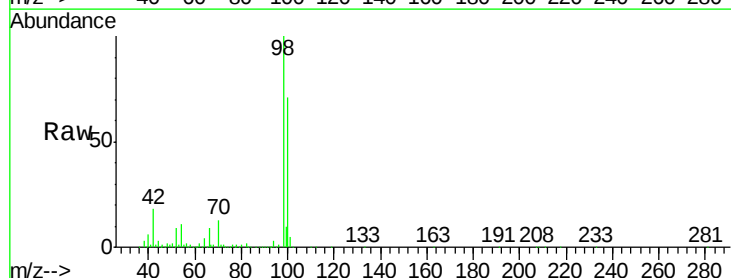
Acq: 21 Jun 2018 18:36

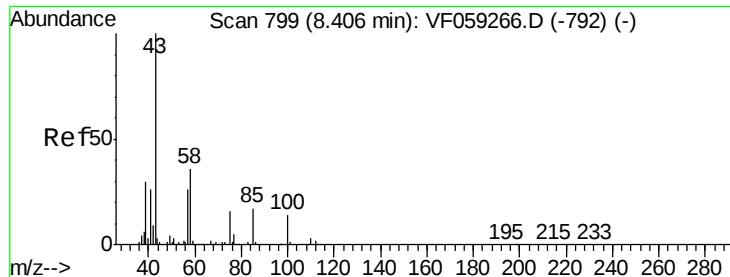
Tgt Ion: 98 Resp: 1167204

Ion Ratio Lower Upper

98 100

100 71.0 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 703.661 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

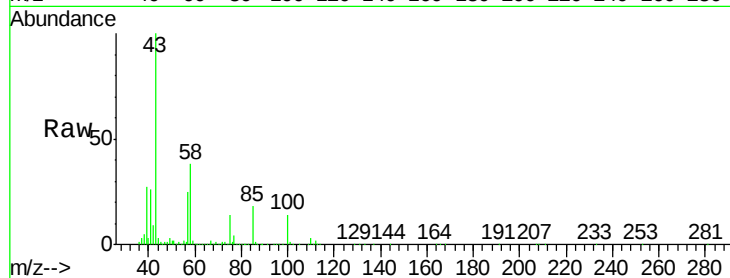
VSTDIC150

Tgt Ion: 43 Resp: 1642058

Ion Ratio Lower Upper

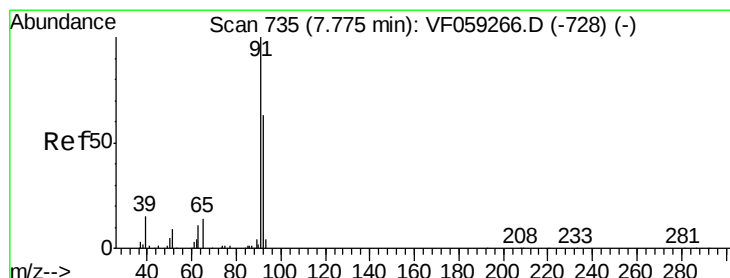
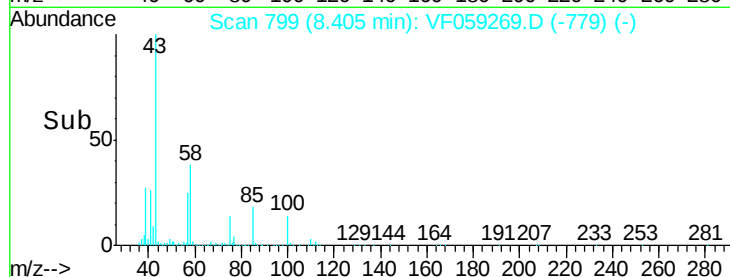
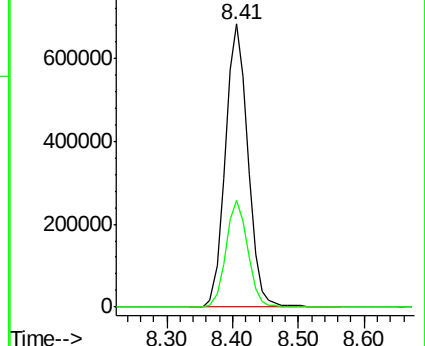
43 100

58 37.7 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: 137.165 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059269.D

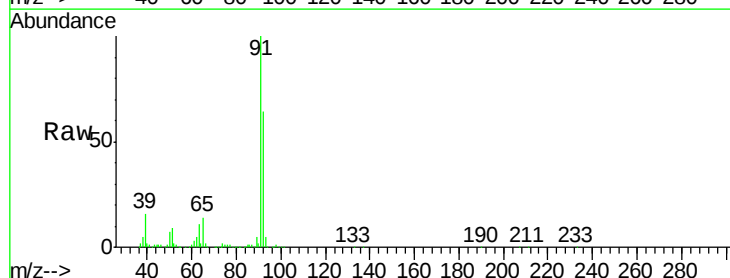
Acq: 21 Jun 2018 18:36

Tgt Ion: 92 Resp: 928309

Ion Ratio Lower Upper

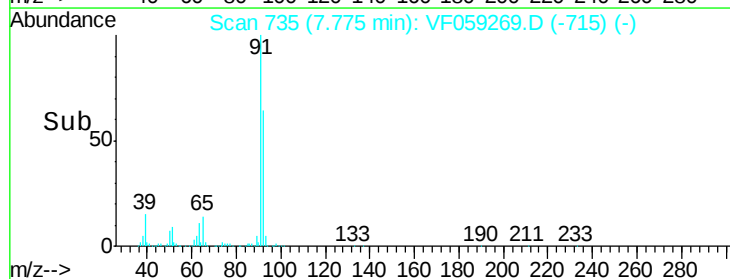
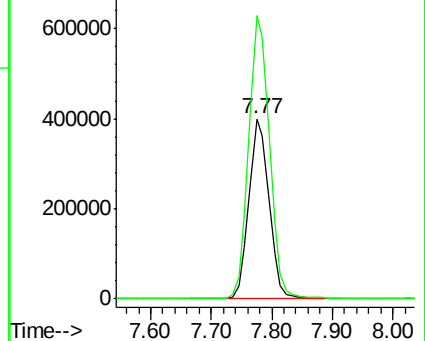
92 100

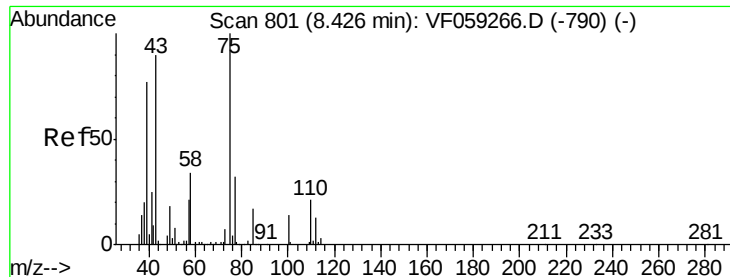
91 157.3 127.8 191.6



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: 148.536 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

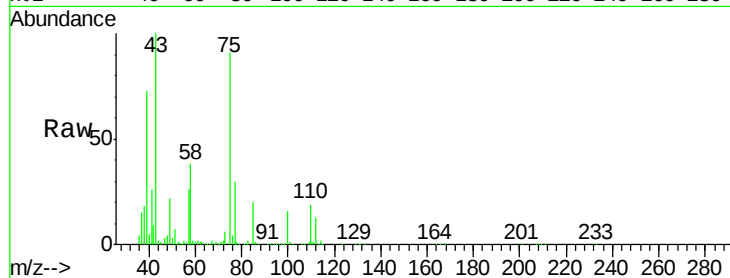
VSTDIC150

Tgt Ion: 75 Resp: 687512

Ion Ratio Lower Upper

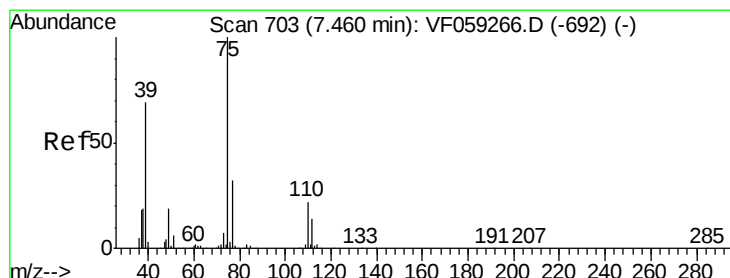
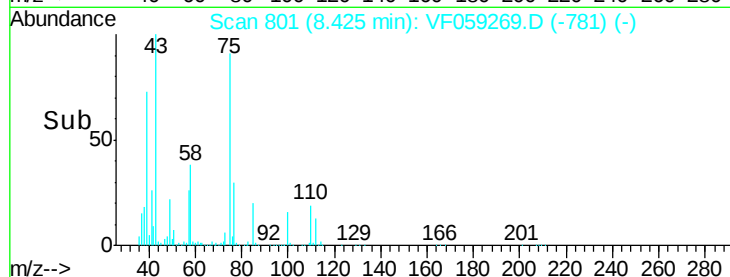
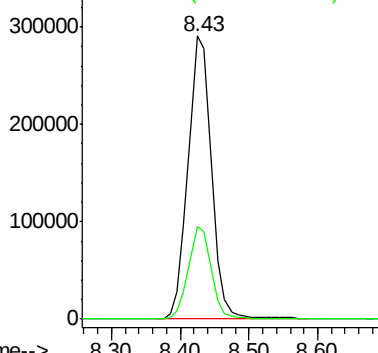
75 100

77 32.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 142.714 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

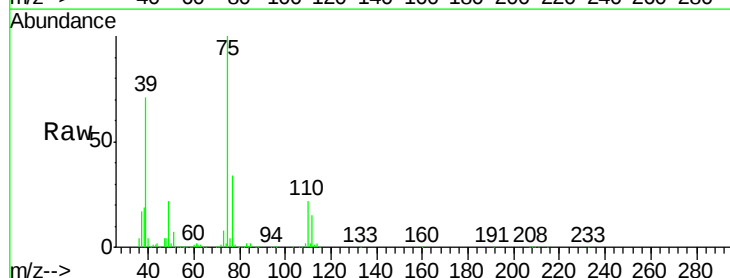
Tgt Ion: 75 Resp: 741771

Ion Ratio Lower Upper

75 100

77 34.0 26.0 39.0

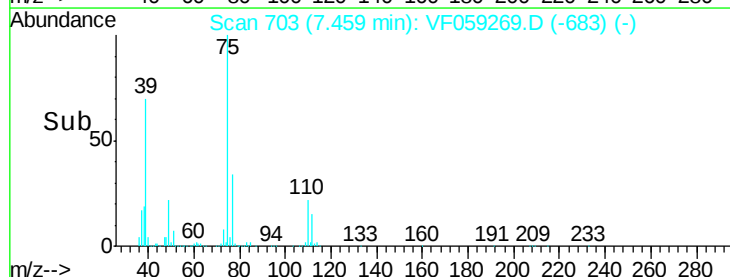
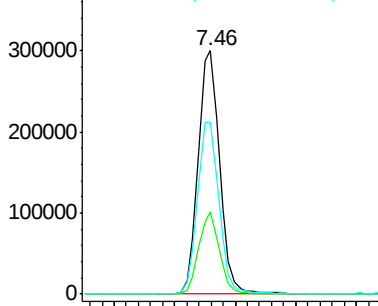
39 70.6 55.5 83.3

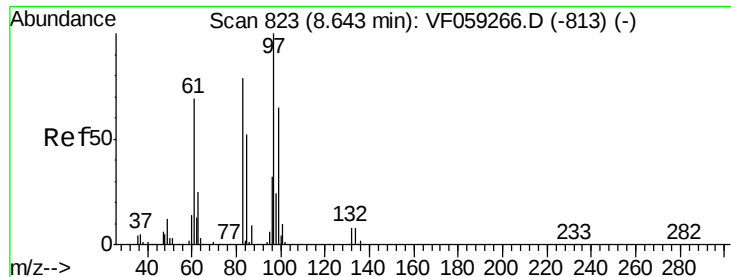


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 150.994 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 376424

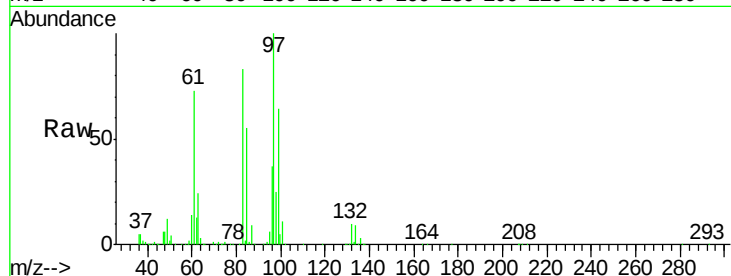
Ion Ratio Lower Upper

97 100

83 83.0 63.2 94.8

85 55.1 41.8 62.6

99 63.8 51.7 77.5

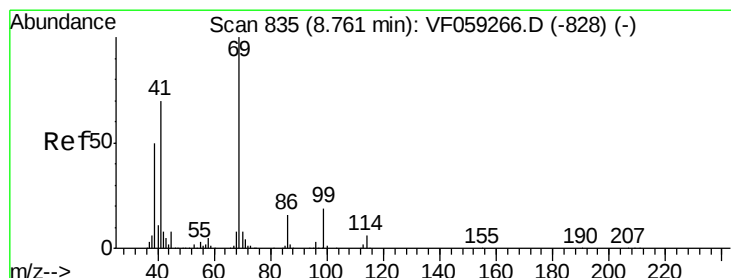
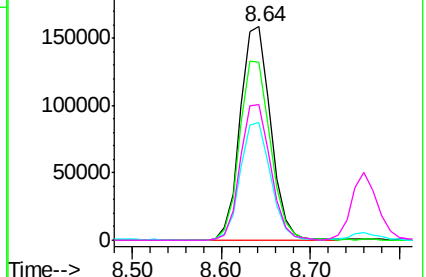
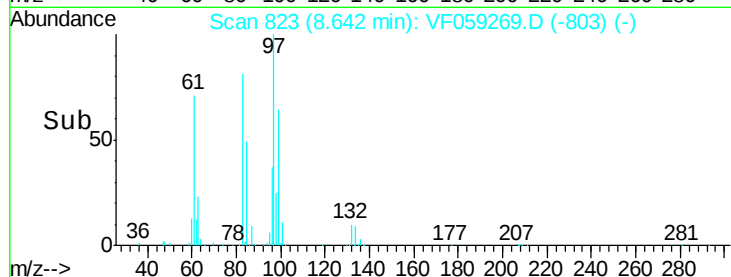


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 151.873 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

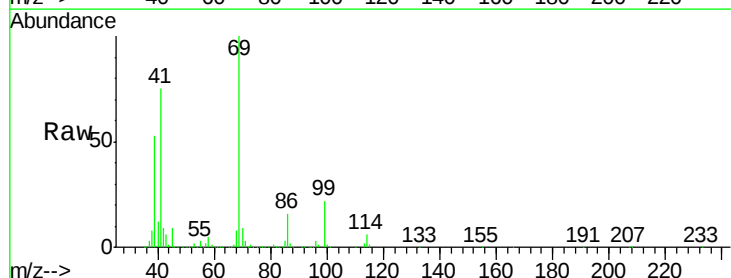
Tgt Ion: 69 Resp: 477090

Ion Ratio Lower Upper

69 100

41 75.3 56.6 85.0

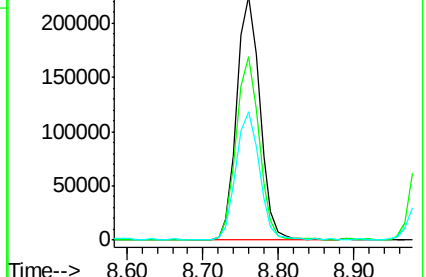
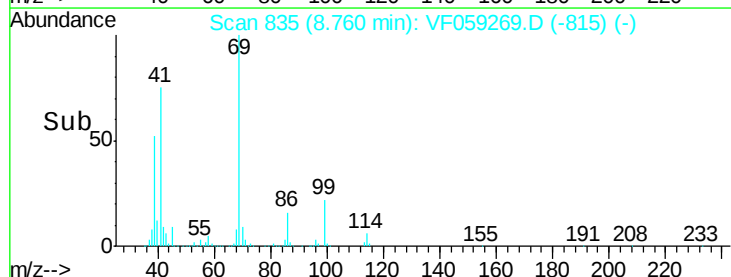
39 52.6 40.5 60.7

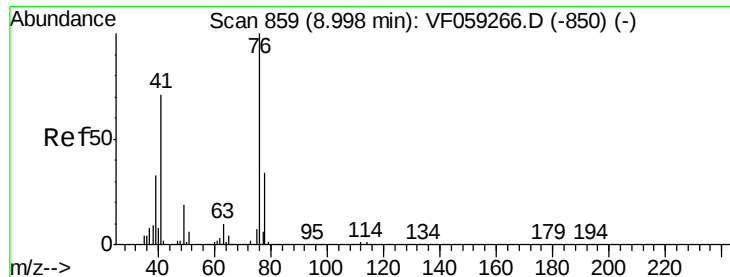


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 146.278 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

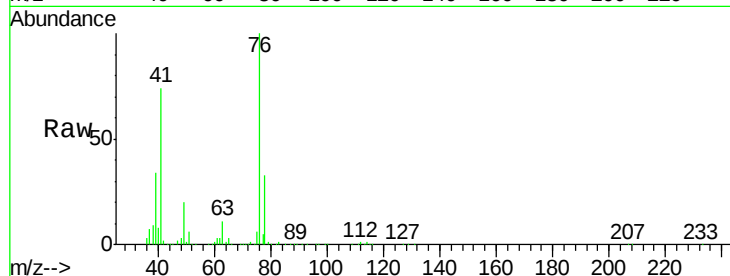
VSTDIC150

Tgt Ion: 76 Resp: 619122

Ion Ratio Lower Upper

76 100

78 32.7 27.5 41.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.00

250000

200000

150000

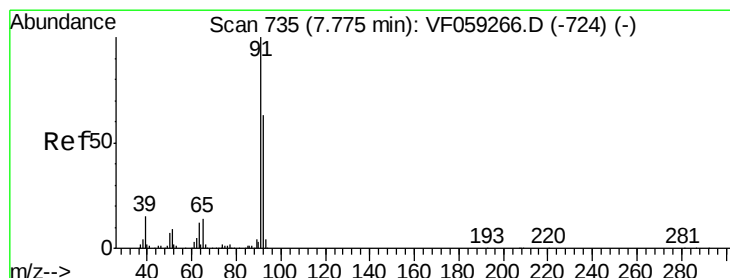
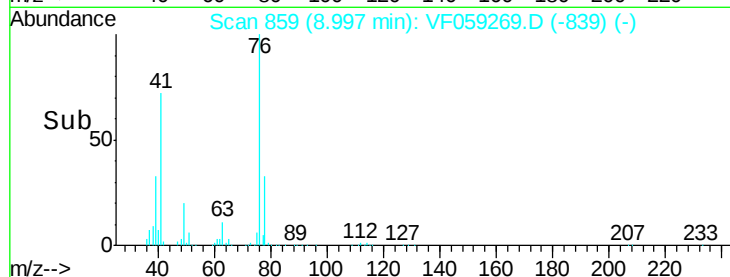
100000

50000

0

Time-->

8.90 9.00 9.10 9.20



#58

2-Chloroethyl Vinyl ether

Concen: 726.157 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059269.D

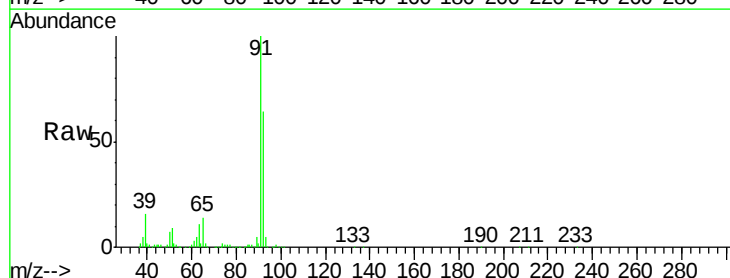
Acq: 21 Jun 2018 18:36

Tgt Ion: 63 Resp: 164646

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

80000

60000

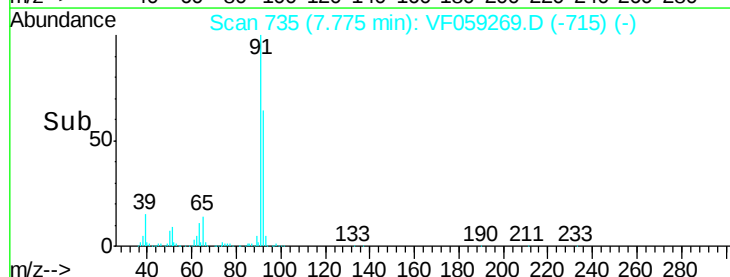
40000

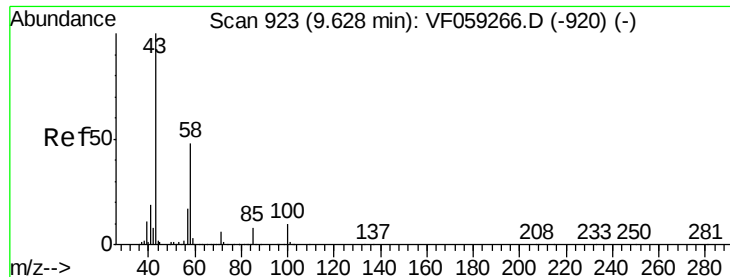
20000

0

Time-->

7.70 7.80 7.90

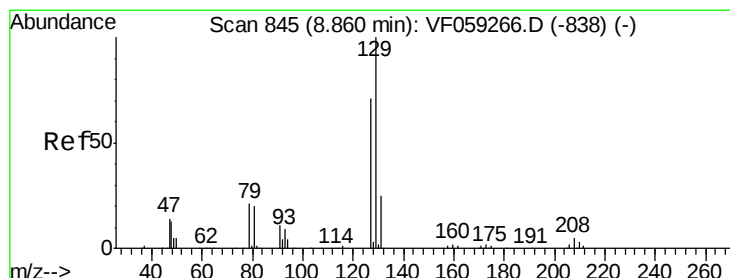
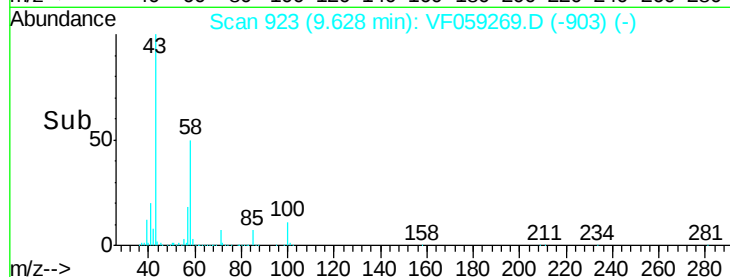
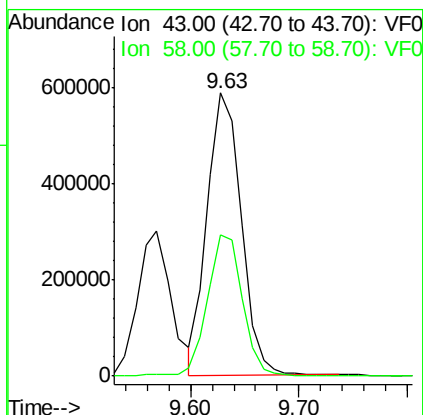
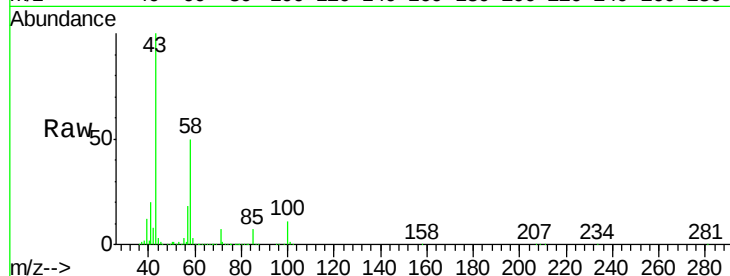




#59
2-Hexanone
Concen: 699.525 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

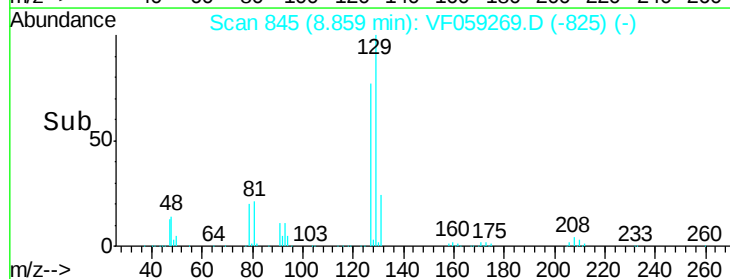
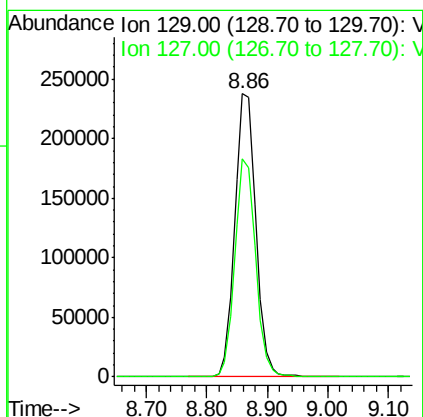
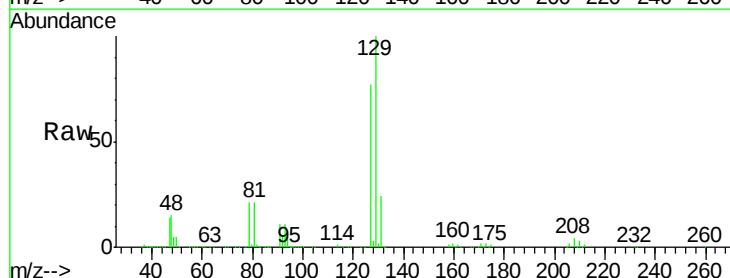
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

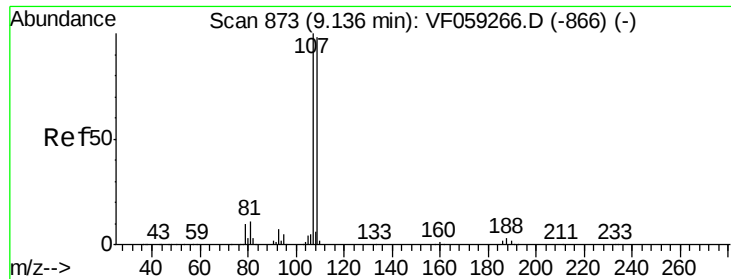
Tgt Ion: 43 Resp: 1291904
Ion Ratio Lower Upper
43 100
58 49.8 23.3 69.9



#60
Dibromochloromethane
Concen: 159.069 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 129 Resp: 576103
Ion Ratio Lower Upper
129 100
127 77.2 35.4 106.2





#61

1,2-Dibromoethane

Concen: 154.466 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

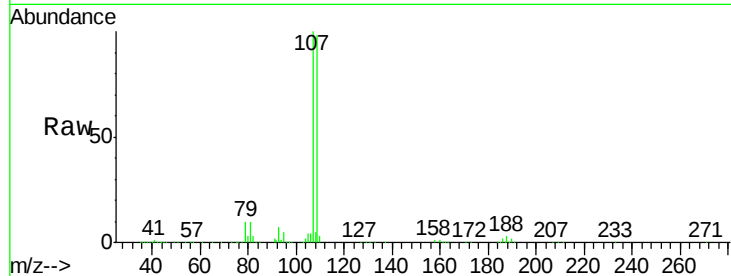
VSTDIC150

Tgt Ion: 107 Resp: 448266

Ion Ratio Lower Upper

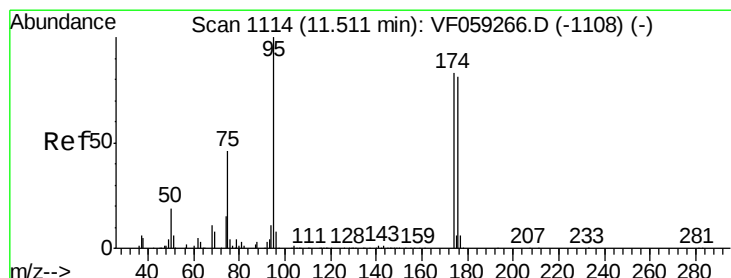
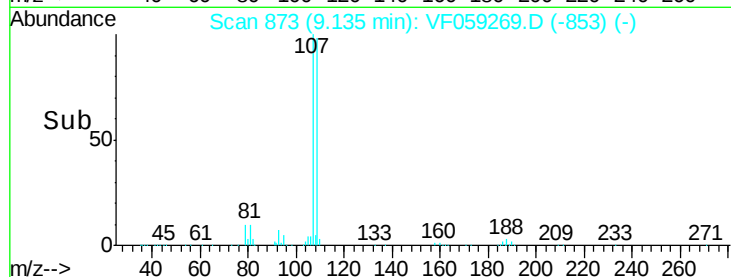
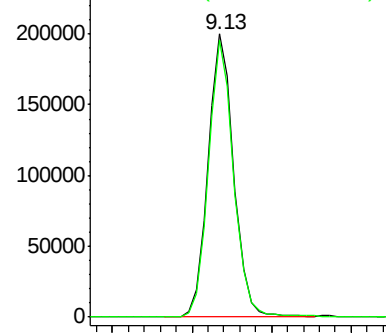
107 100

109 97.9 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 139.437 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

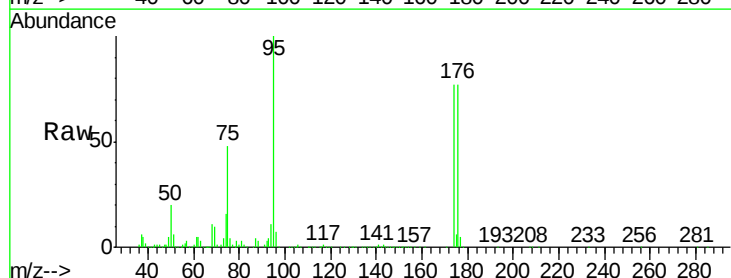
Tgt Ion: 95 Resp: 622704

Ion Ratio Lower Upper

95 100

174 77.4 0.0 166.2

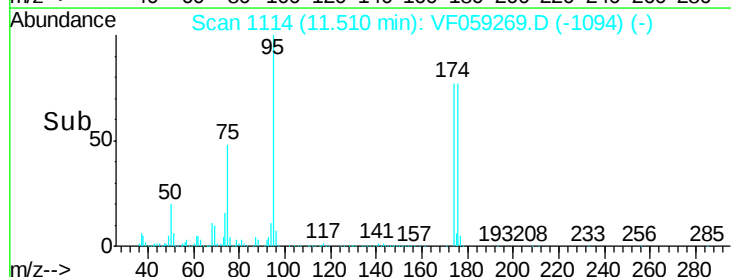
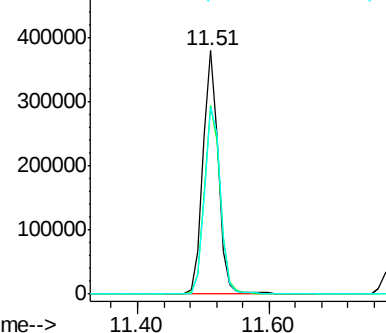
176 77.0 0.0 162.8

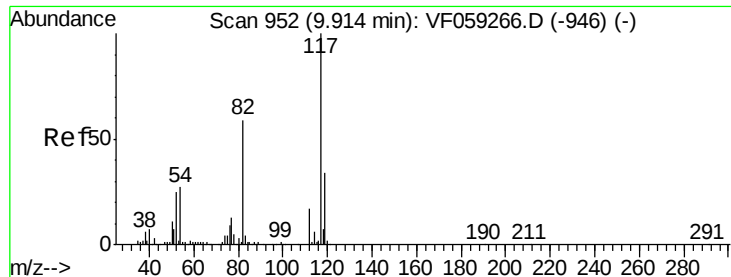


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

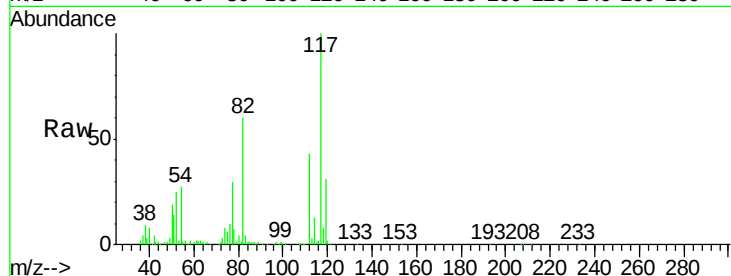




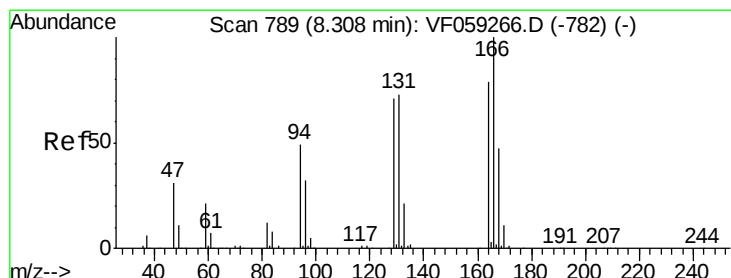
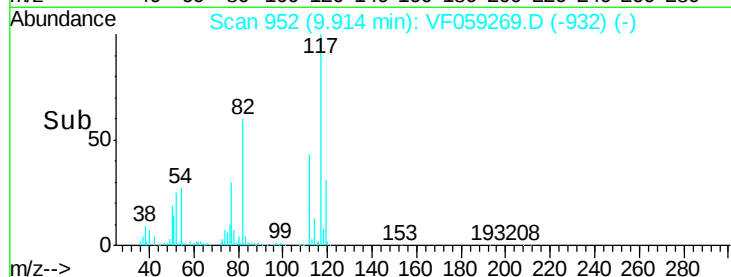
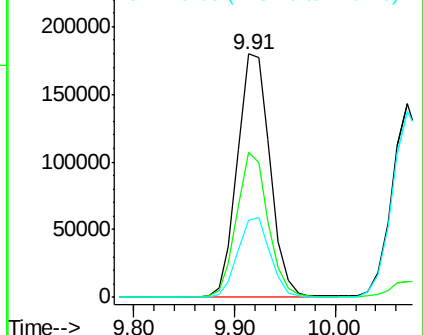
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.1	70.7
119	31.5	26.9	40.3



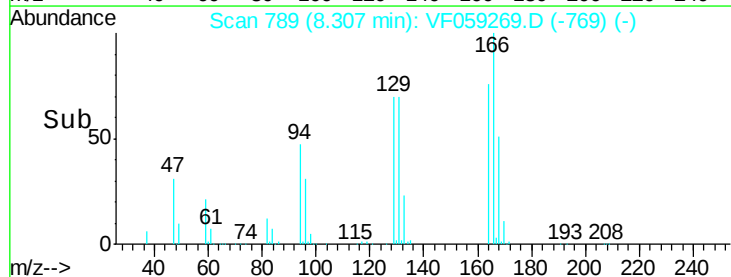
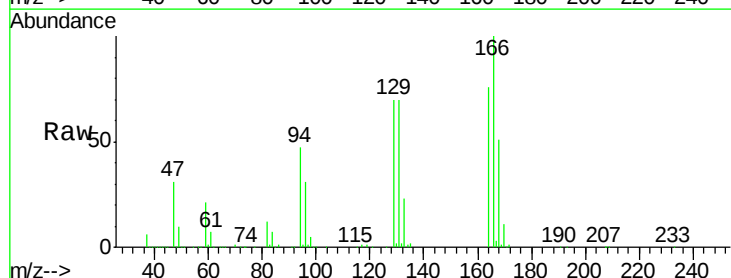
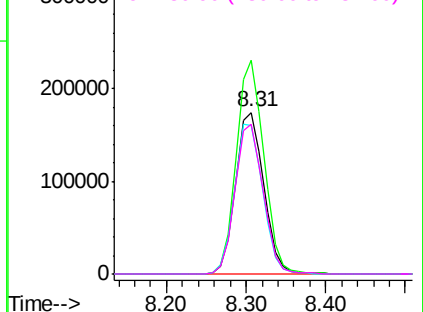
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

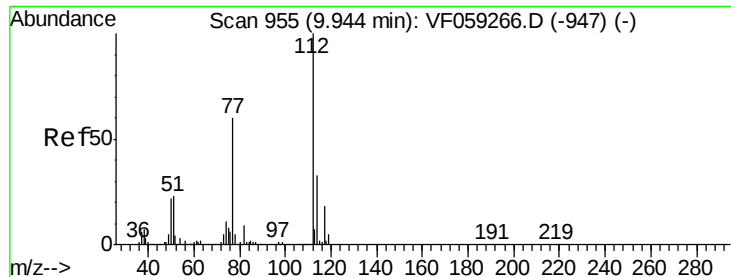


#64
Tetrachloroethene
Concen: 142.774 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	101.4	152.2
129	92.2	72.2	108.4
131	92.7	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: 145.212 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

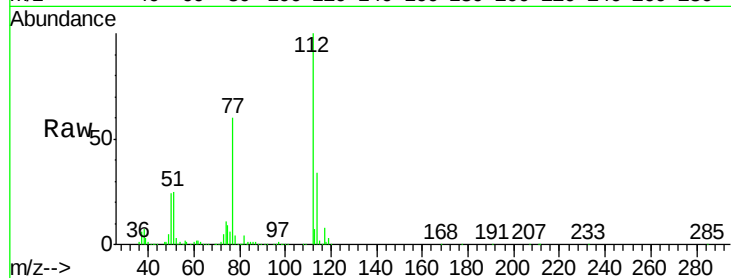
VSTDIC150

Tgt Ion:112 Resp: 1187083

Ion Ratio Lower Upper

112 100

114 34.2 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

600000

500000

400000

300000

200000

100000

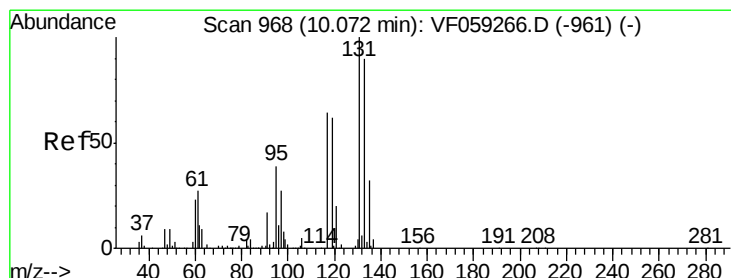
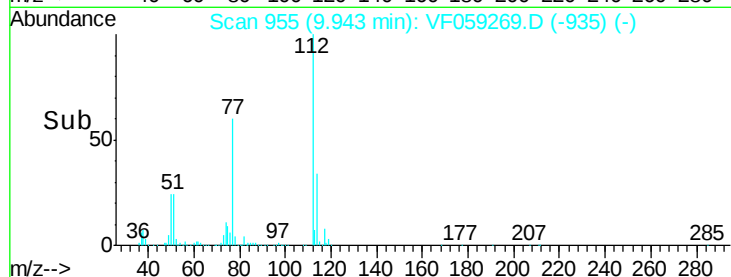
0

9.80

9.94

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 147.954 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

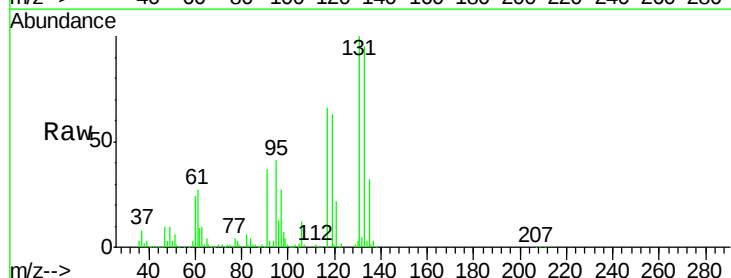
Tgt Ion:131 Resp: 483790

Ion Ratio Lower Upper

131 100

133 95.1 45.1 135.2

119 63.4 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

300000

250000

200000

150000

100000

50000

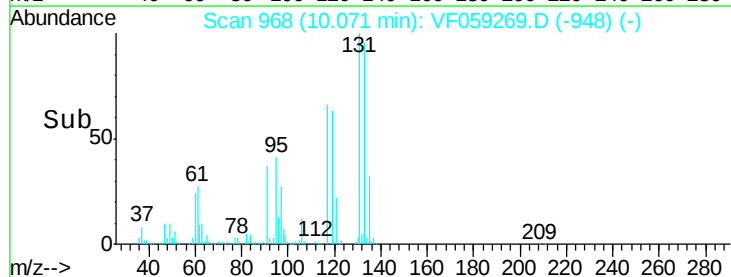
0

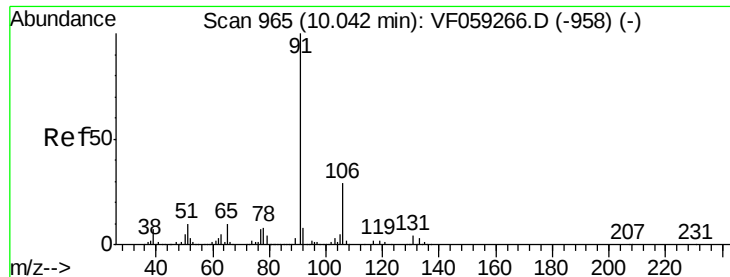
10.00

10.07

10.20

Time-->





#67

Ethyl Benzene

Concen: 133.182 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

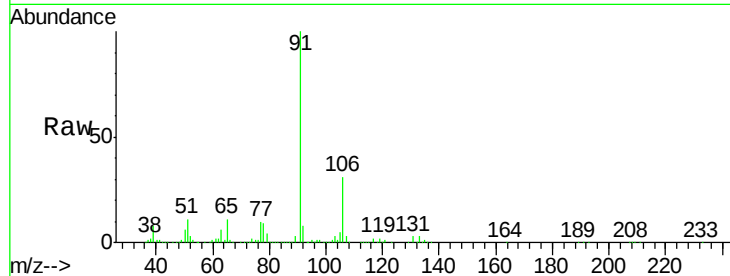
VSTDIC150

Tgt Ion: 91 Resp: 1875254

Ion Ratio Lower Upper

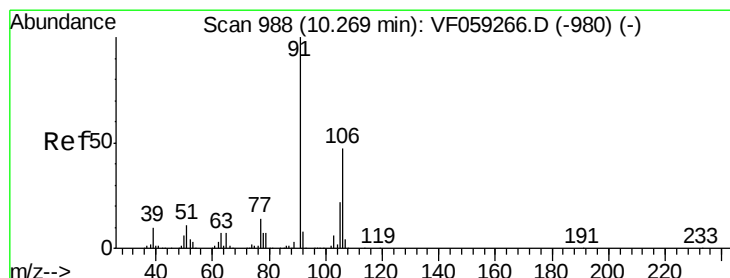
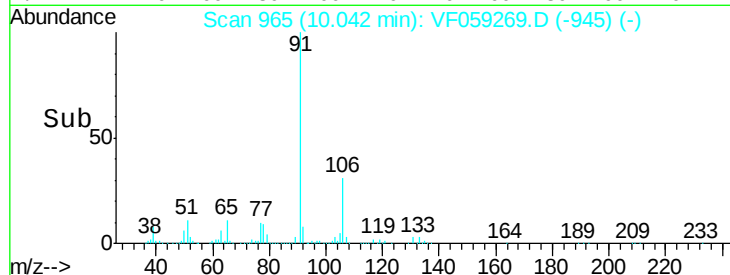
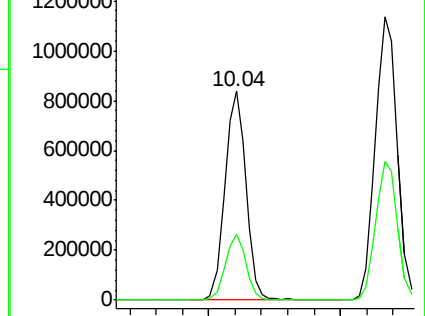
91 100

106 31.4 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 240.573 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059269.D

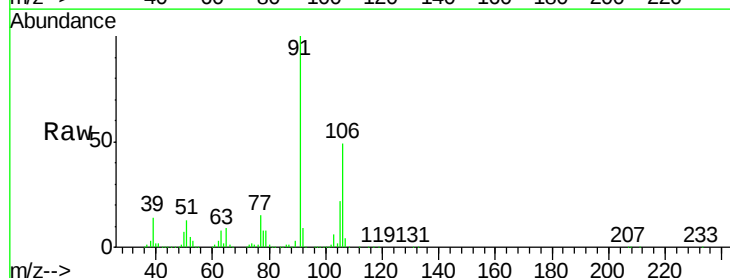
Acq: 21 Jun 2018 18:36

Tgt Ion: 106 Resp: 1285876

Ion Ratio Lower Upper

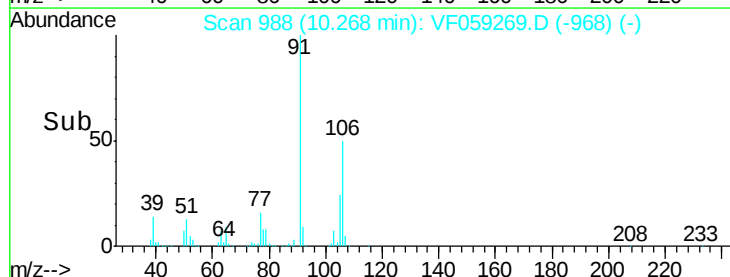
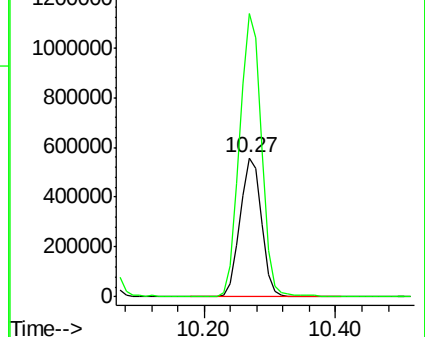
106 100

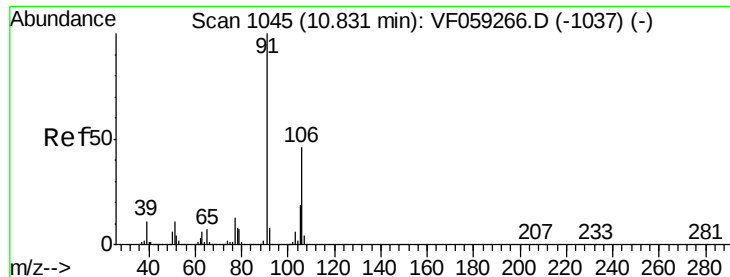
91 203.4 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

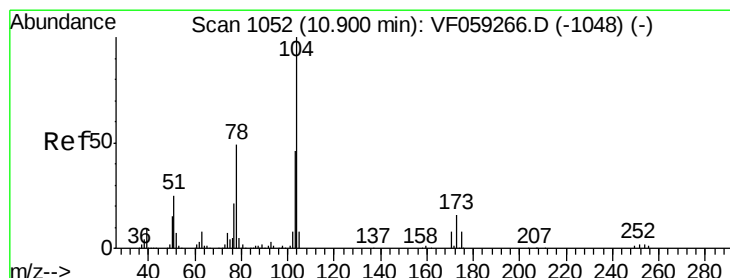
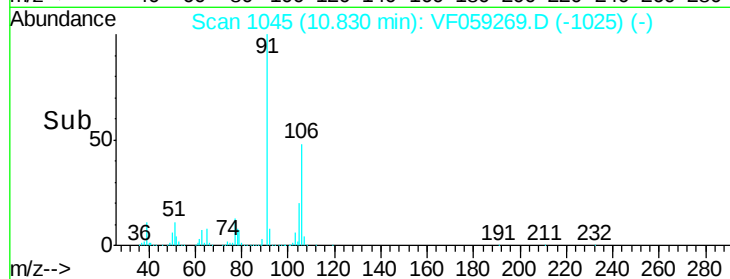
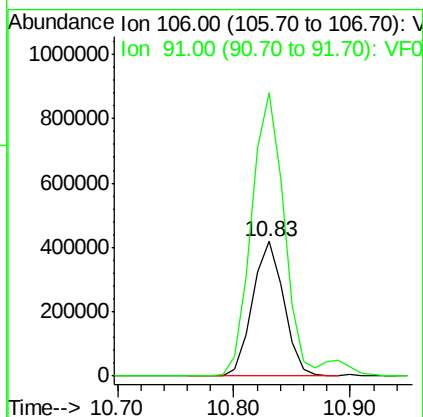
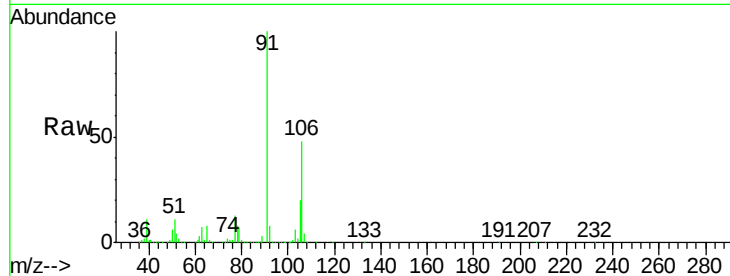




#69
o-Xylene
Concen: 135.269 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

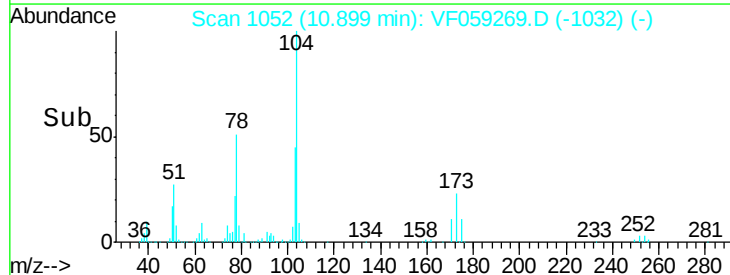
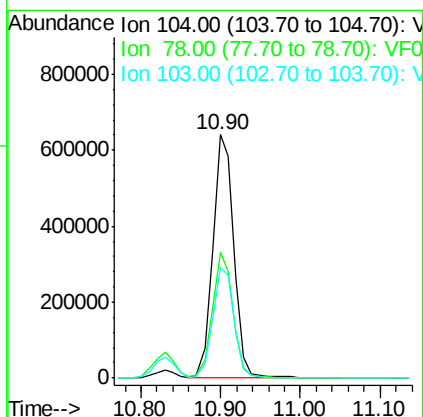
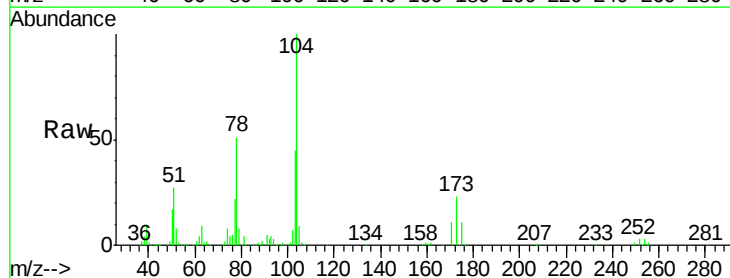
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

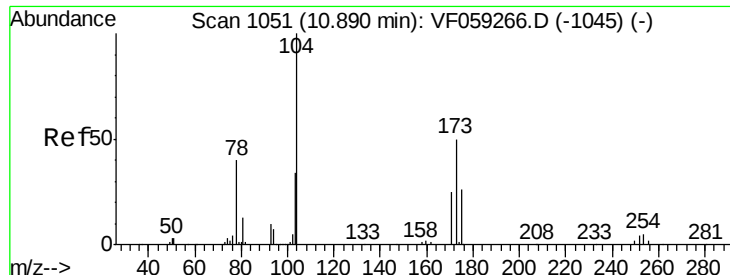
Tgt Ion:106 Resp: 777748
Ion Ratio Lower Upper
106 100
91 210.1 109.1 327.4



#70
Styrene
Concen: 136.441 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion:104 Resp: 1180067
Ion Ratio Lower Upper
104 100
78 51.4 39.3 58.9
103 45.3 36.6 55.0





#71

Bromoform

Concen: 164.050 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

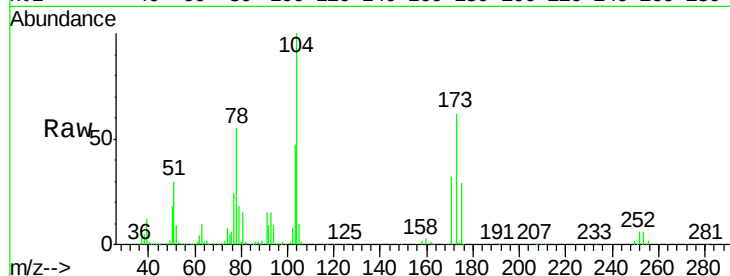
Tgt Ion:173 Resp: 369263

Ion Ratio Lower Upper

173 100

175 48.2 25.4 76.4

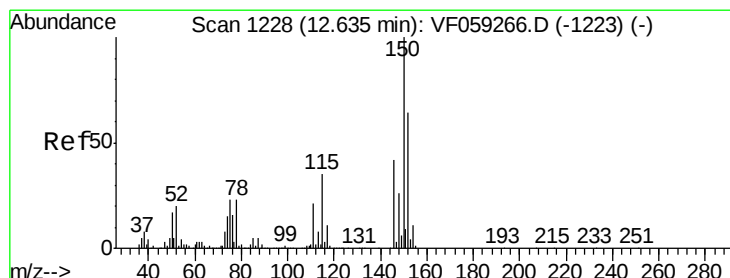
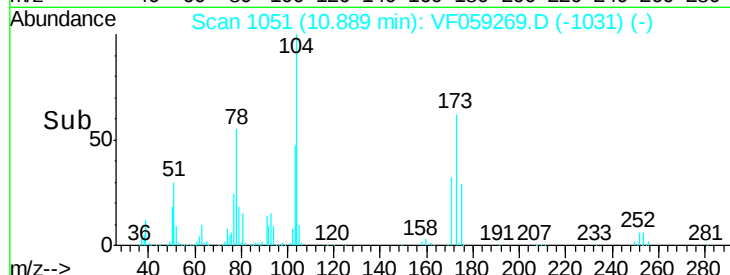
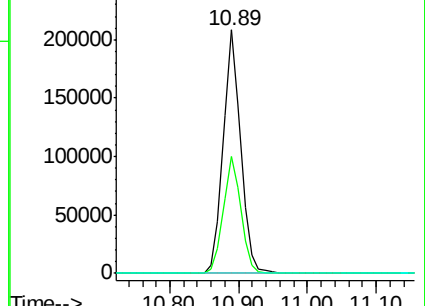
254 0.1 0.0 0.0#



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# 1228

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

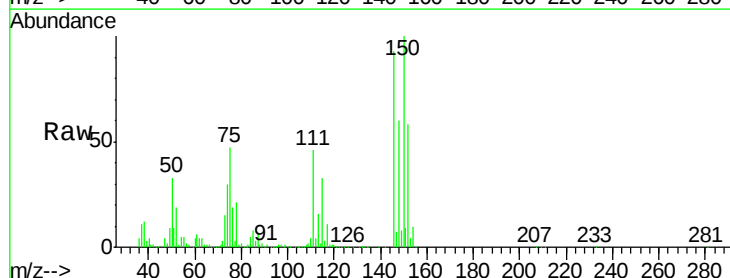
Tgt Ion:152 Resp: 236108

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

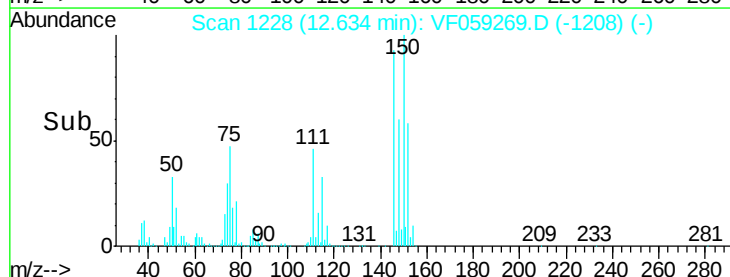
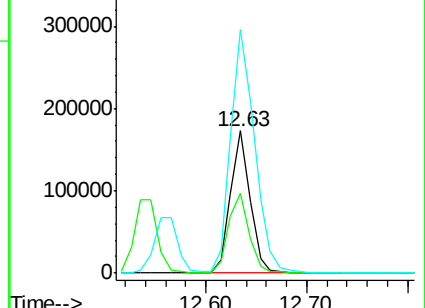
150 171.2 0.0 313.8

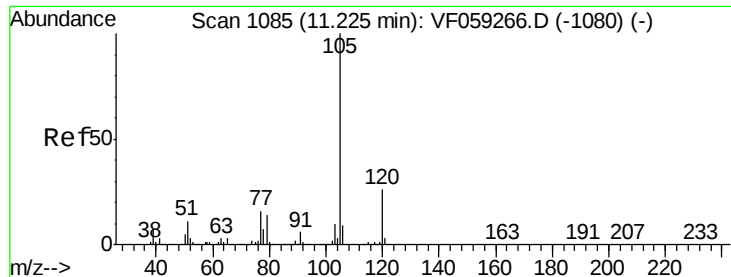


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 129.506 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

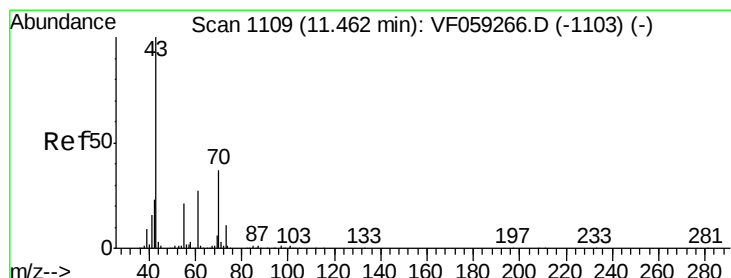
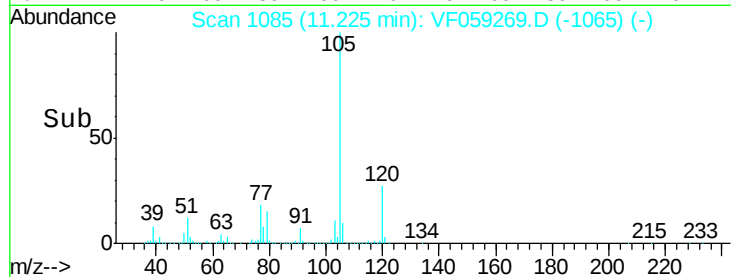
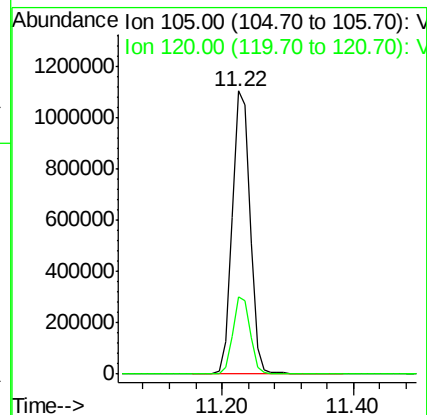
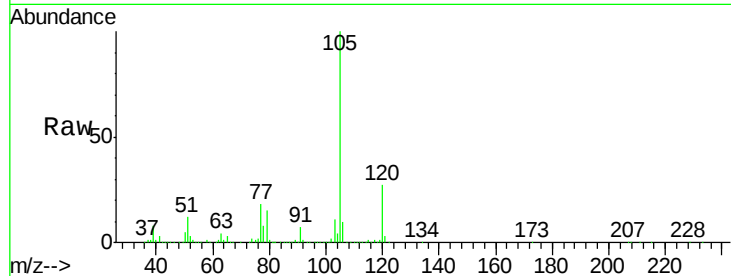
VSTDIC150

Tgt Ion:105 Resp: 2115277

Ion Ratio Lower Upper

105 100

120 27.1 12.9 38.7



#74

N-ethyl acetate

Concen: 135.159 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Tgt Ion: 43 Resp: 782792

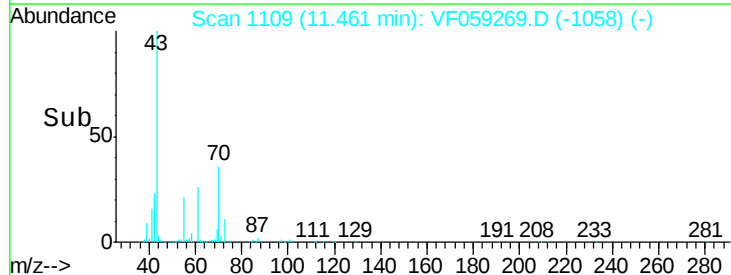
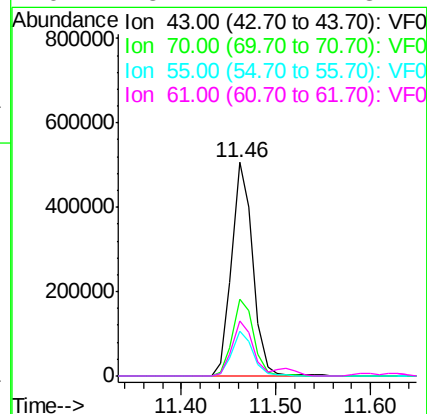
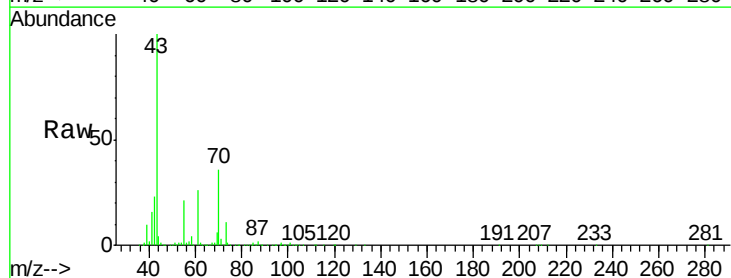
Ion Ratio Lower Upper

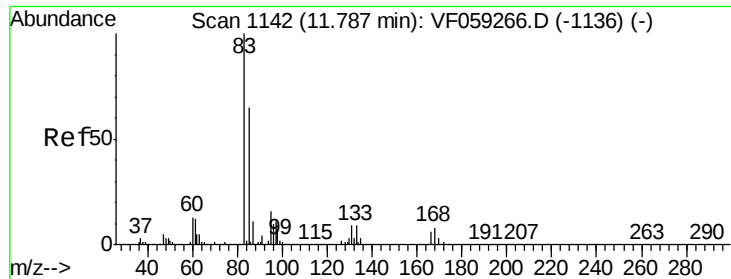
43 100

70 36.0 29.6 44.4

55 21.0 17.0 25.4

61 25.7 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 132.727 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

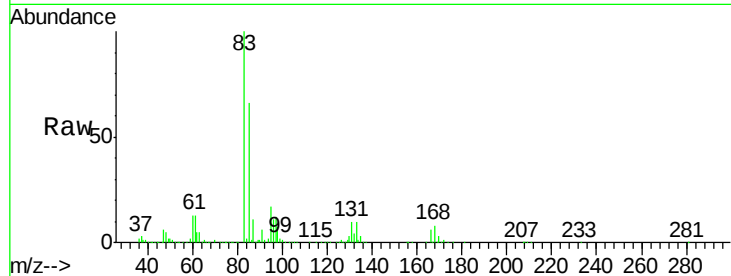
Tgt Ion: 83 Resp: 514050

Ion Ratio Lower Upper

83 100

131 10.4 4.8 14.3

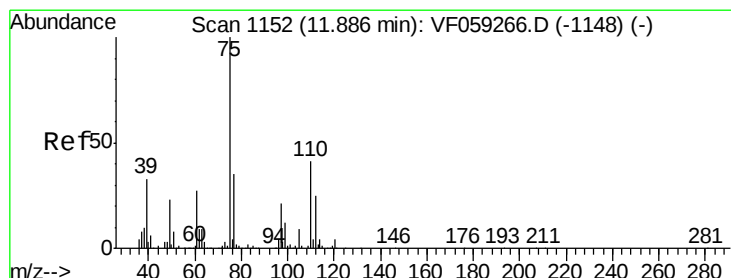
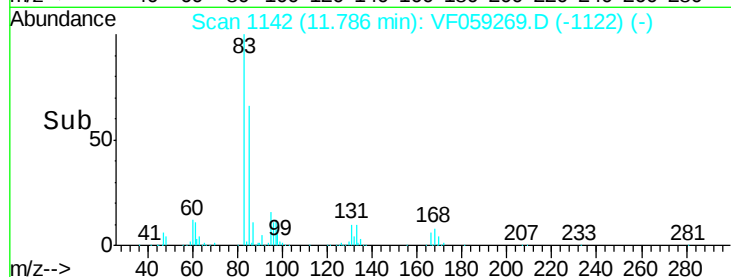
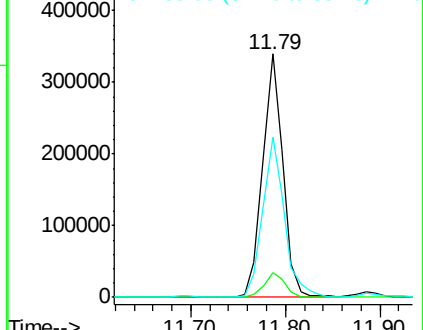
85 65.9 32.4 97.2



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: 141.886 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059269.D

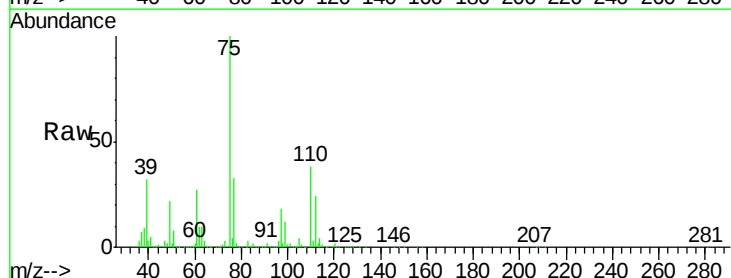
Acq: 21 Jun 2018 18:36

Tgt Ion: 75 Resp: 406761

Ion Ratio Lower Upper

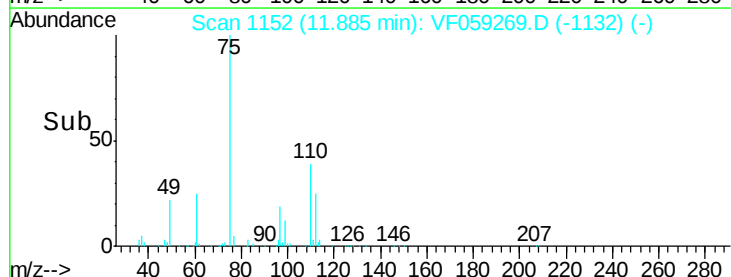
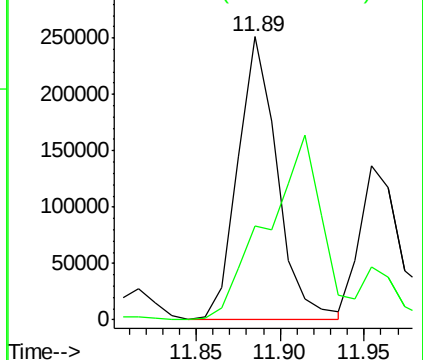
75 100

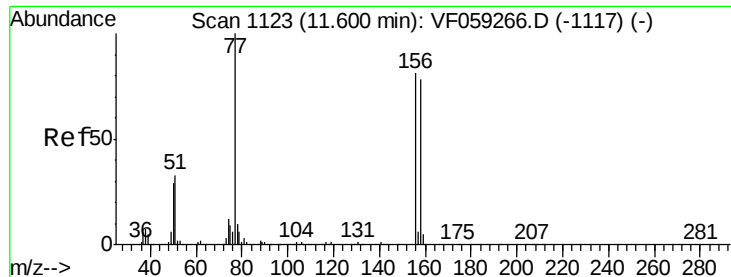
77 33.3 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 141.832 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

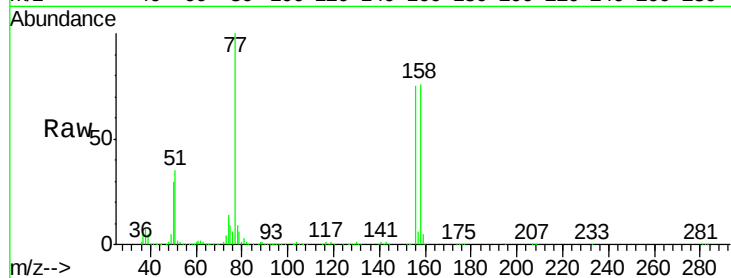
Tgt Ion:156 Resp: 590680

Ion Ratio Lower Upper

156 100

77 132.7 61.7 185.0

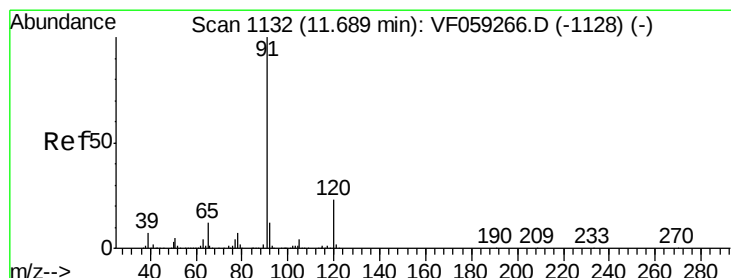
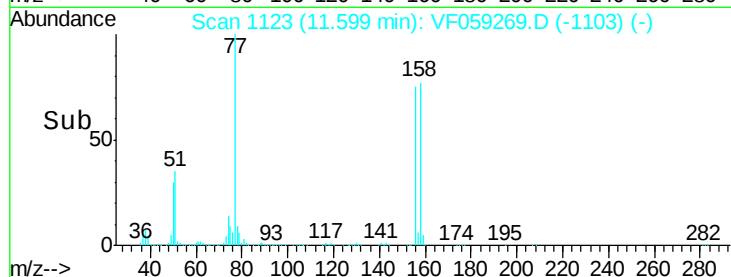
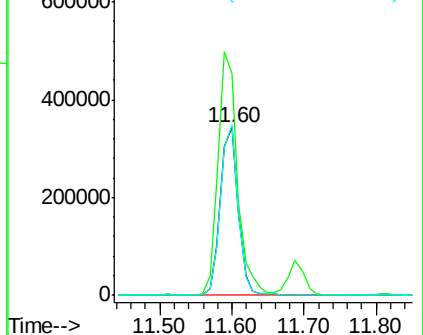
158 101.5 48.2 144.6



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: 121.340 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059269.D

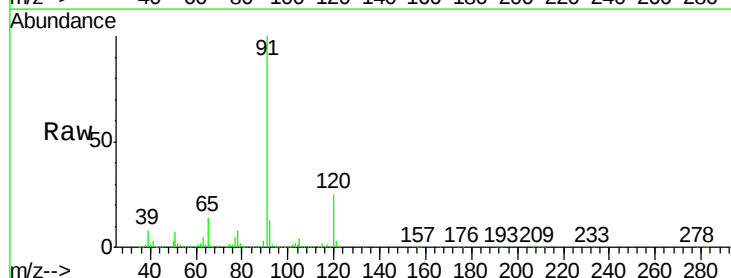
Acq: 21 Jun 2018 18:36

Tgt Ion: 91 Resp: 2347216

Ion Ratio Lower Upper

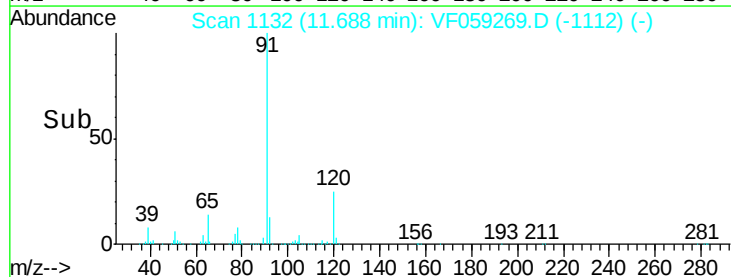
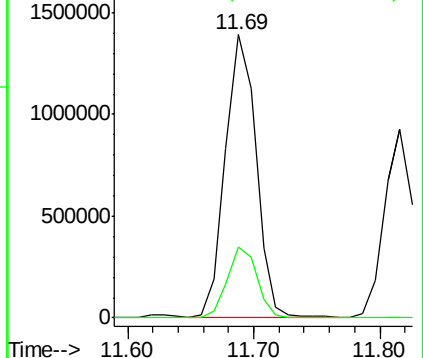
91 100

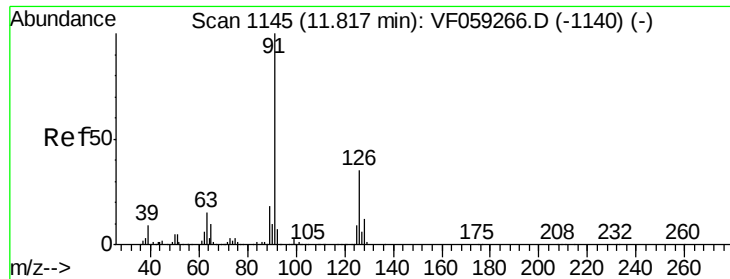
120 25.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

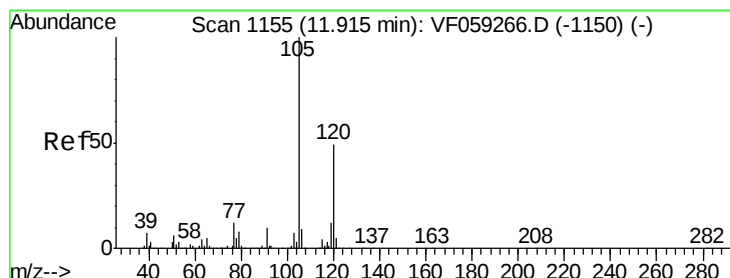
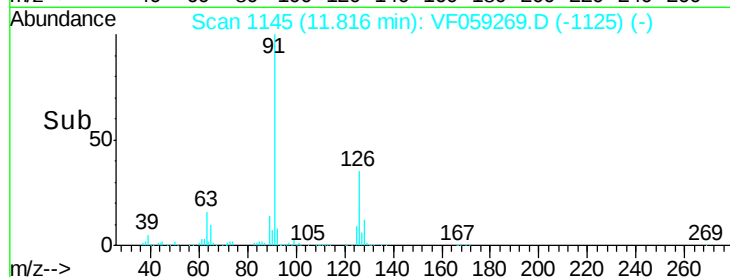
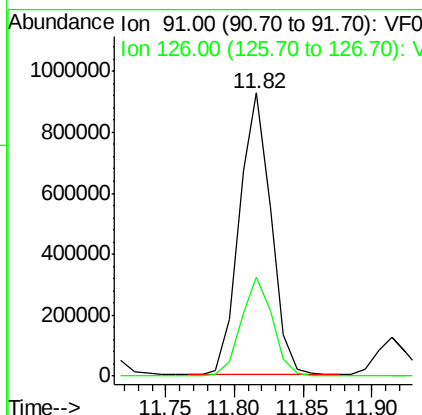
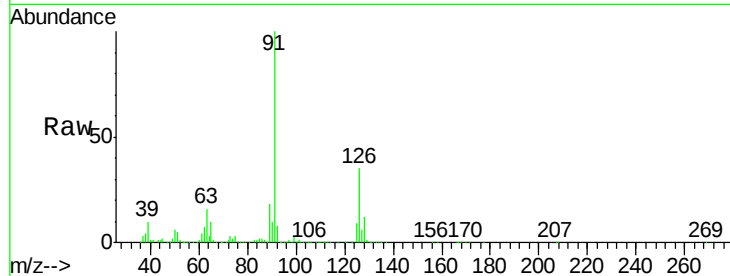




#79
 2-Chlorotoluene
 Concen: 128.842 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

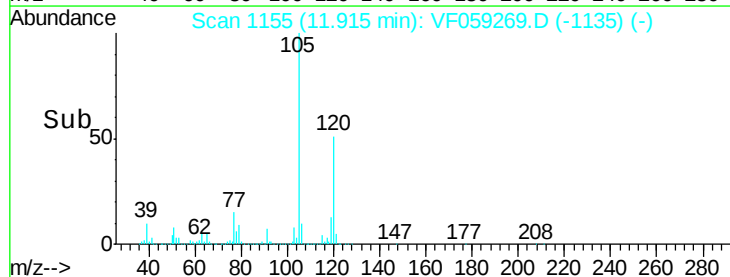
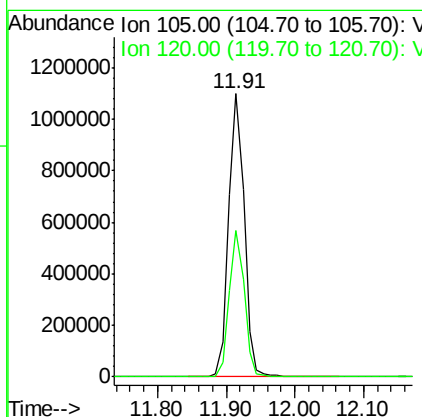
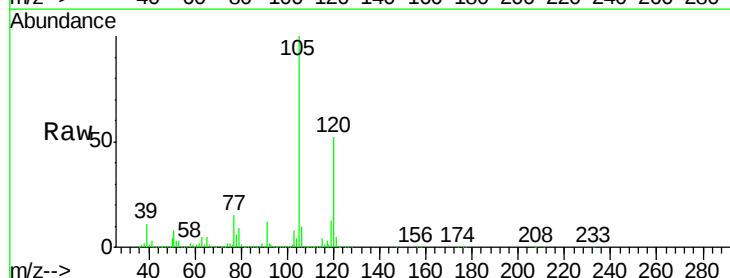
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

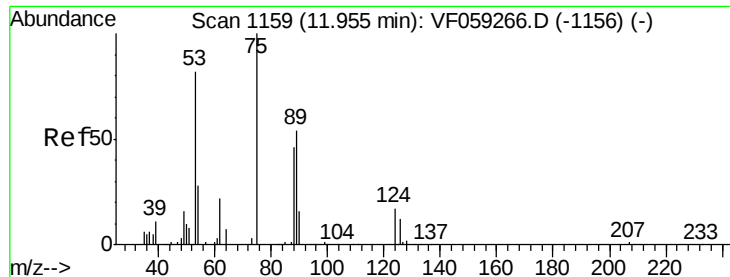
Tgt Ion: 91 Resp: 1477929
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 126.933 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion: 105 Resp: 1725263
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.3 73.0

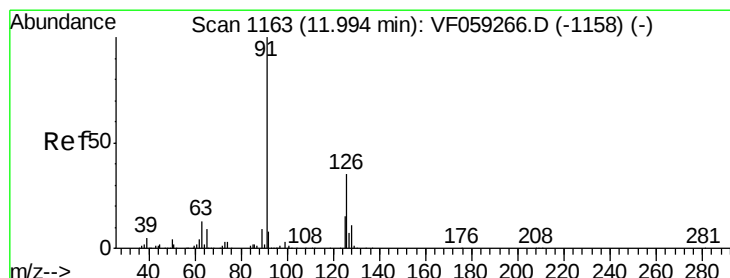
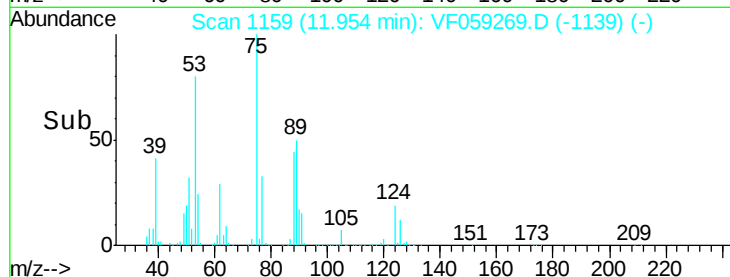
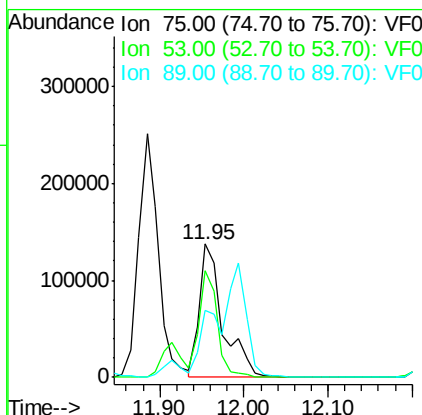
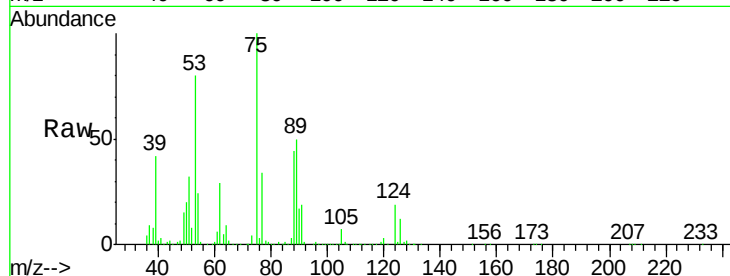




#81
trans-1,4-Dichloro-2-butene
Concen: 142.443 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

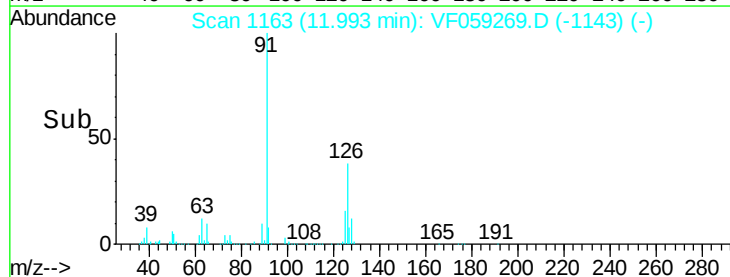
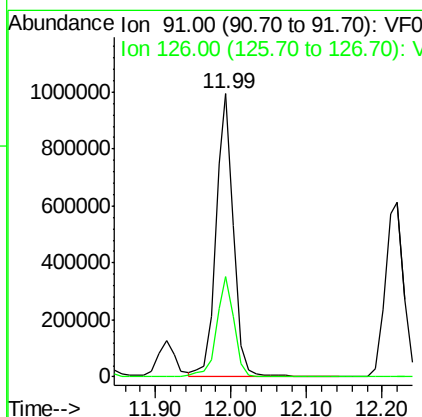
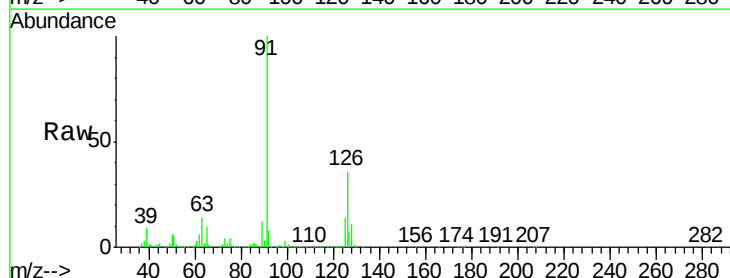
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

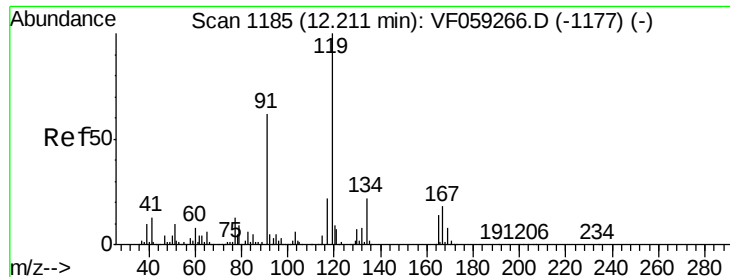
Tgt Ion: 75 Resp: 265929
Ion Ratio Lower Upper
75 100
53 80.4 70.2 105.2
89 50.5 45.3 67.9



#82
4-Chlorotoluene
Concen: 130.754 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion: 91 Resp: 1598656
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.8

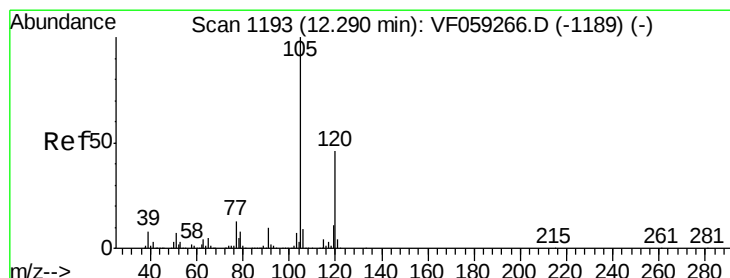
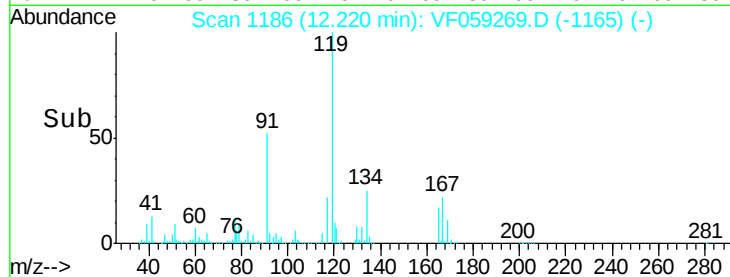
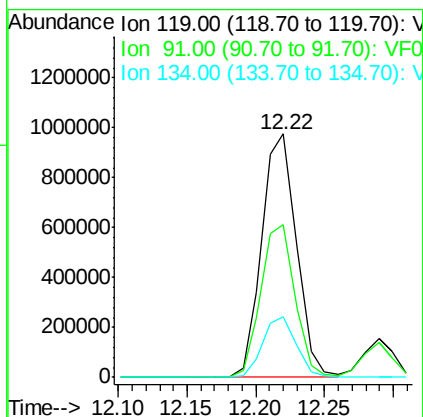
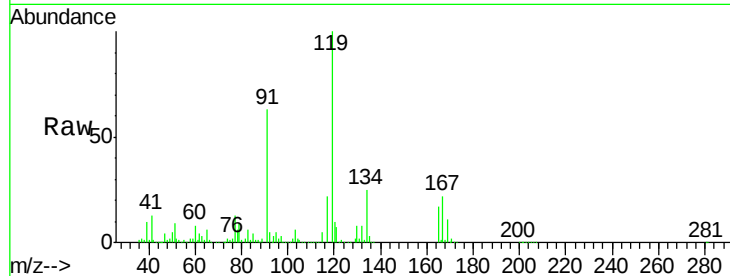




#83
 tert-Butylbenzene
 Concen: 126.324 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

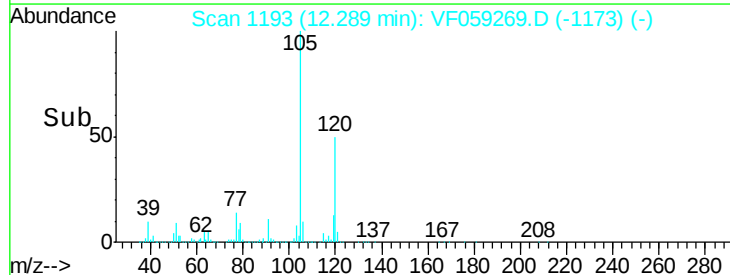
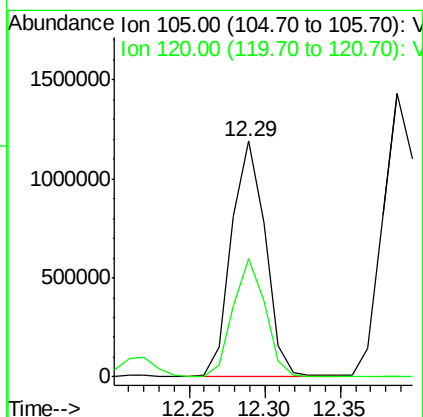
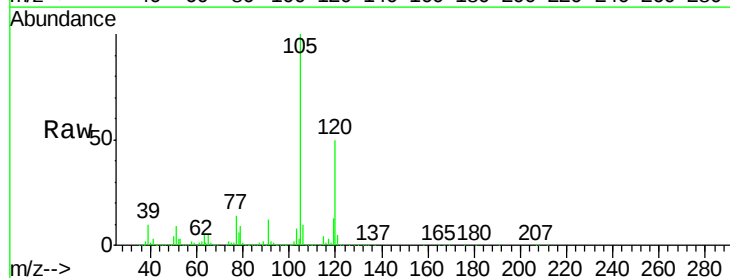
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

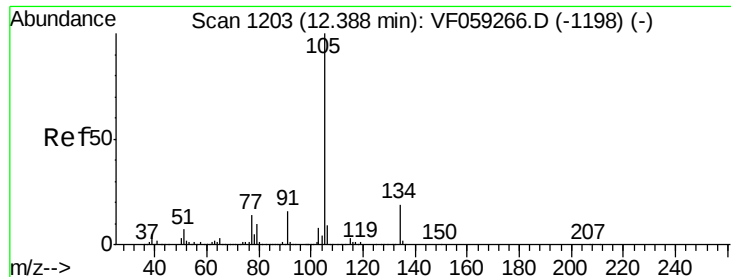
Tgt Ion:119 Resp: 1712985
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.3 93.8
 134 25.0 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 132.577 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion:105 Resp: 1855923
 Ion Ratio Lower Upper
 105 100
 120 50.4 22.8 68.4

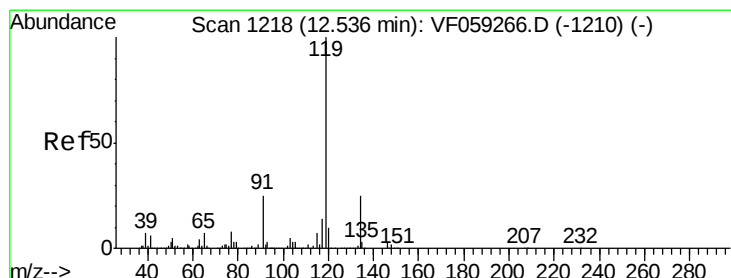
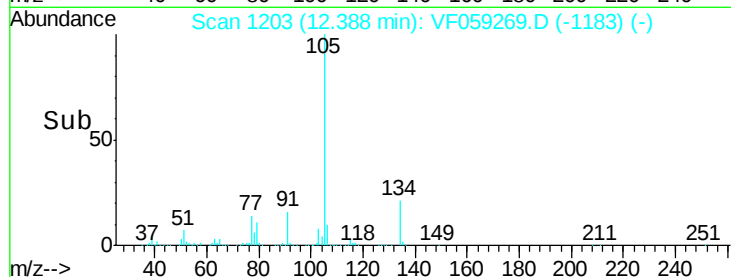
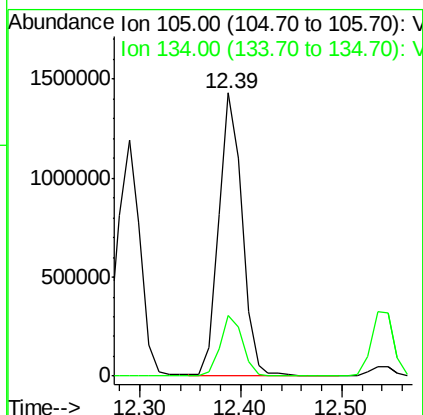
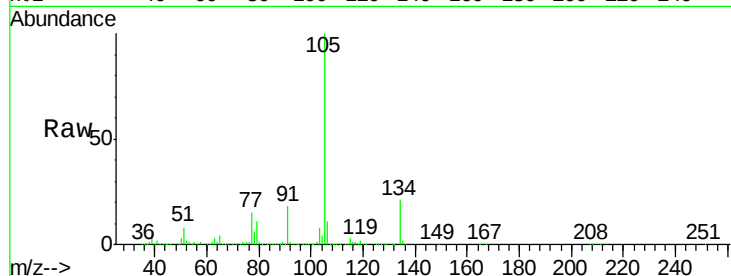




#85
 sec-Butylbenzene
 Concen: 126.257 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

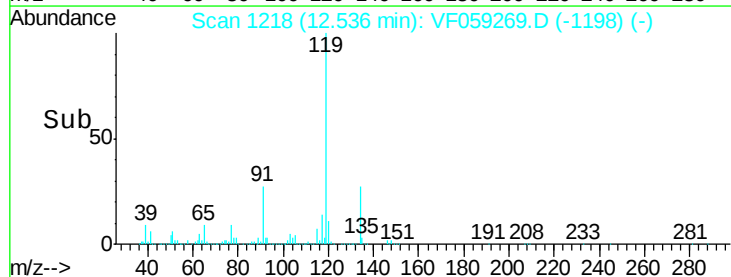
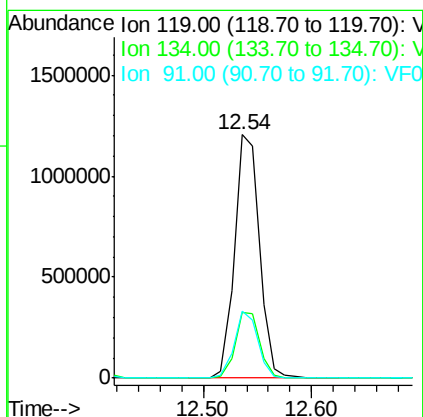
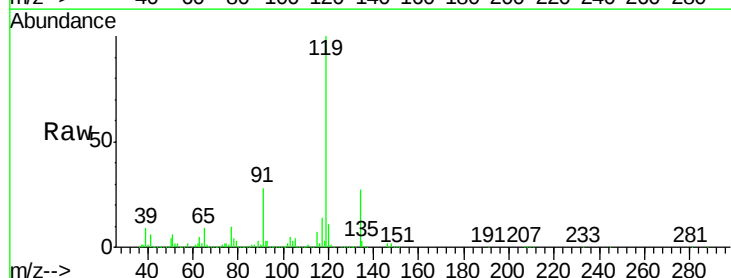
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

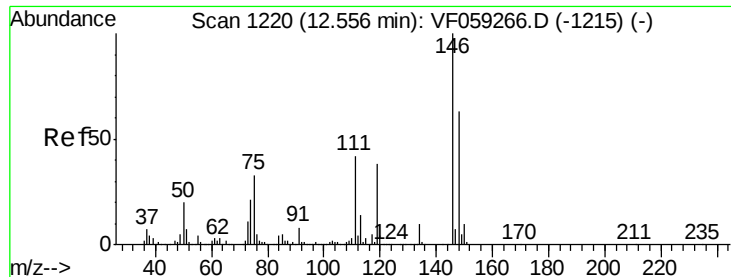
Tgt Ion:105 Resp: 2306268
 Ion Ratio Lower Upper
 105 100
 134 21.4 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 128.313 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion:119 Resp: 1930407
 Ion Ratio Lower Upper
 119 100
 134 27.2 12.6 37.8
 91 27.6 12.6 37.8

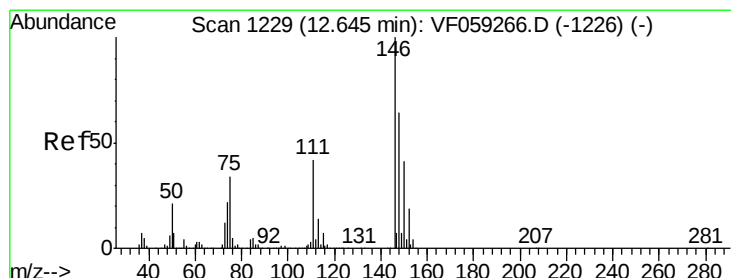
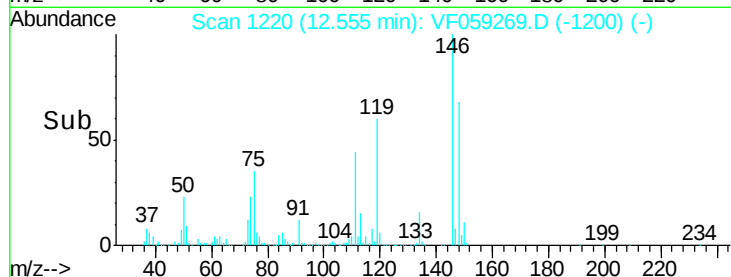
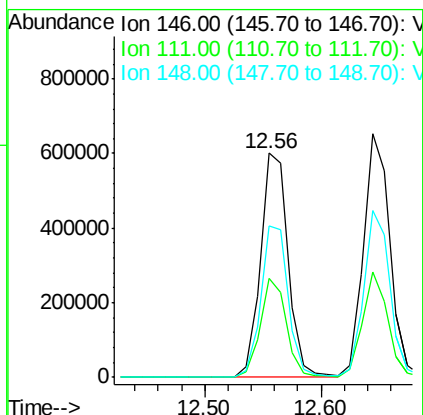
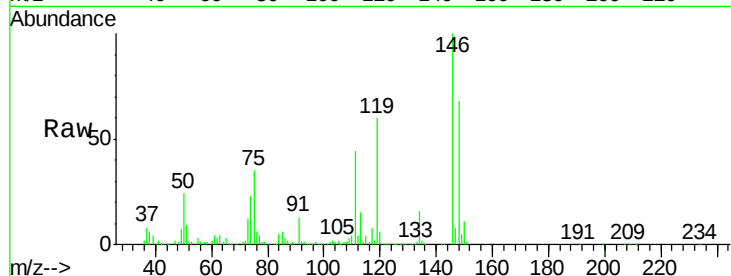




#87
 1,3-Dichlorobenzene
 Concen: 128.694 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

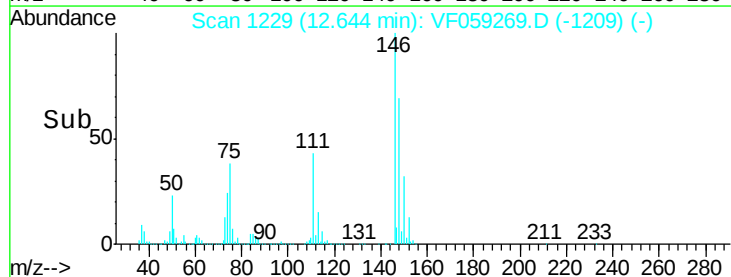
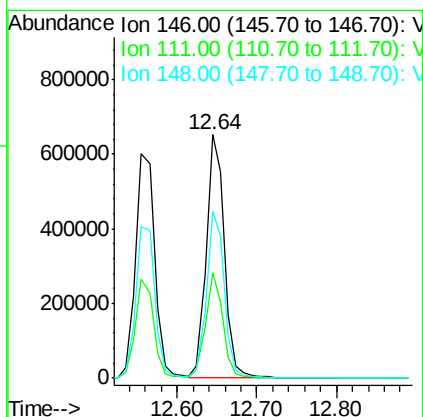
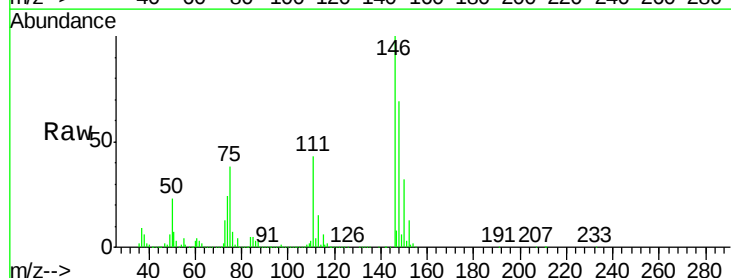
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

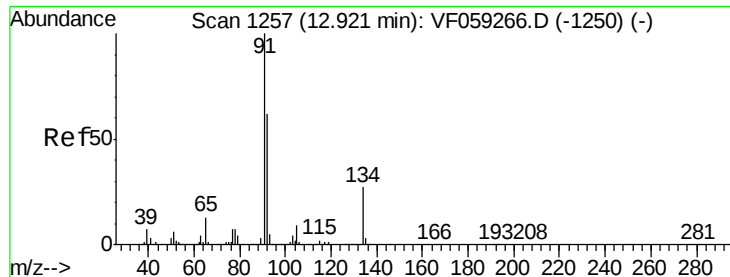
Tgt Ion:146 Resp: 986320
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.0 63.0
 148 67.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 139.712 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion:146 Resp: 1032958
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.3 63.9
 148 68.7 32.0 96.2





#89

n-Butylbenzene

Concen: 121.305 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059269.D

Acq: 21 Jun 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

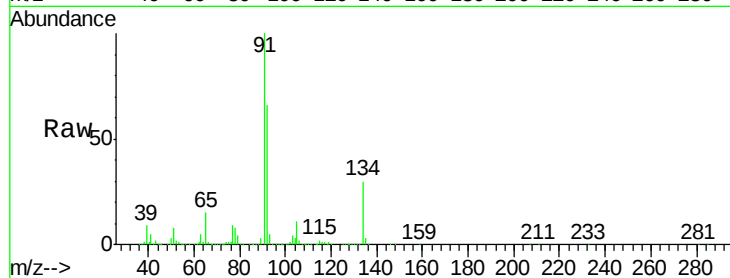
Tgt Ion: 91 Resp: 1897371

Ion Ratio Lower Upper

91 100

92 66.1 31.2 93.6

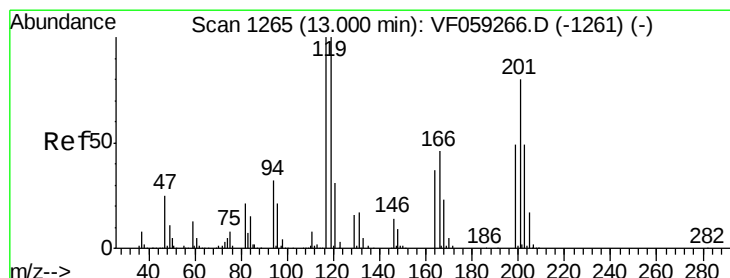
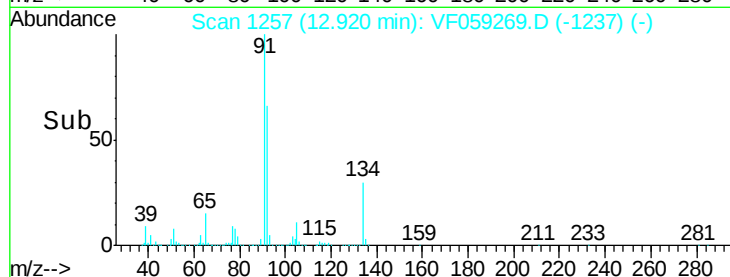
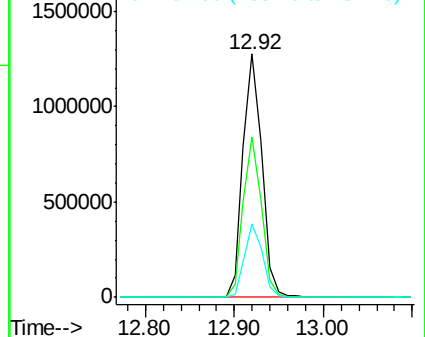
134 30.0 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 137.694 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF059269.D

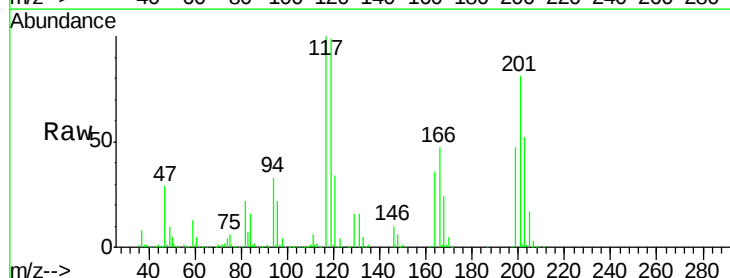
Acq: 21 Jun 2018 18:36

Tgt Ion: 117 Resp: 509009

Ion Ratio Lower Upper

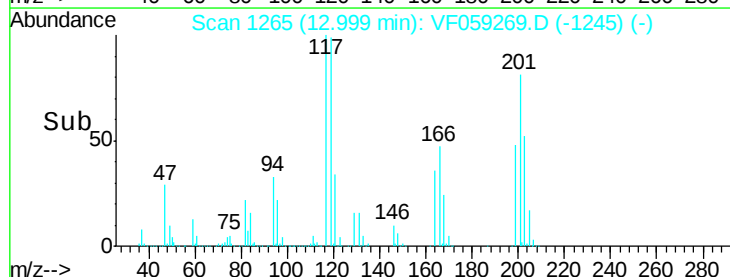
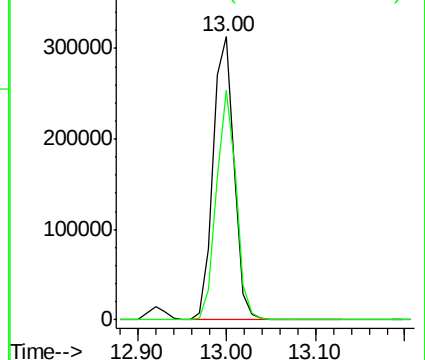
117 100

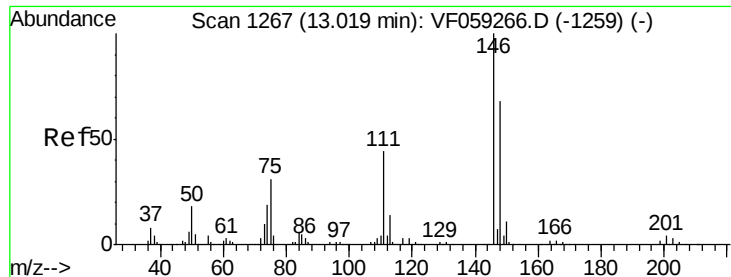
201 81.0 39.8 119.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

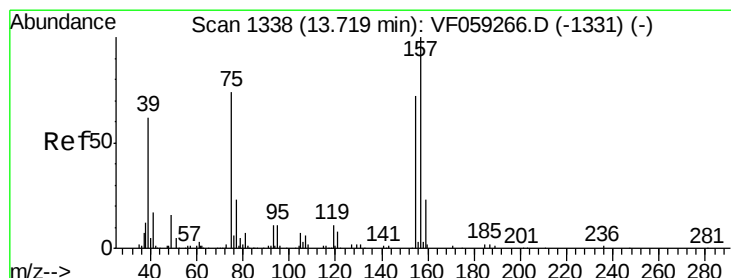
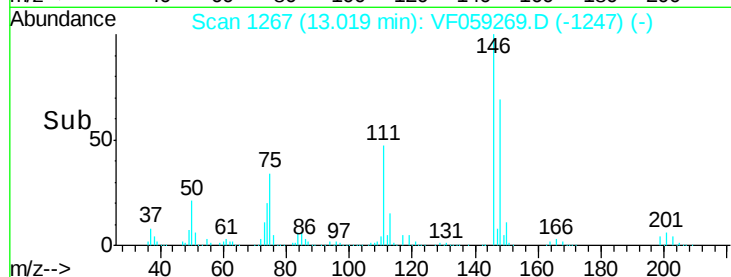
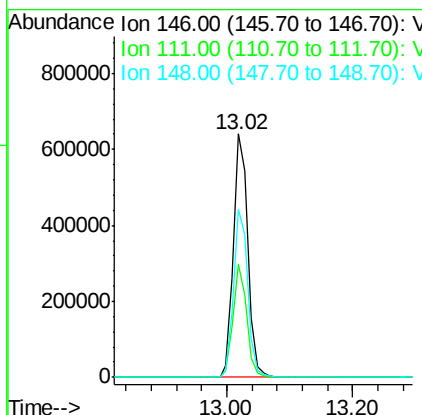
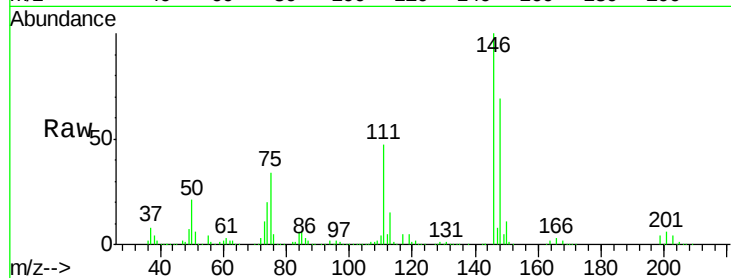




#91
 1,2-Dichlorobenzene
 Concen: 135.192 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

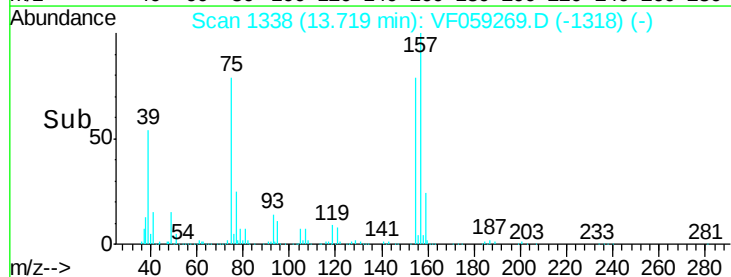
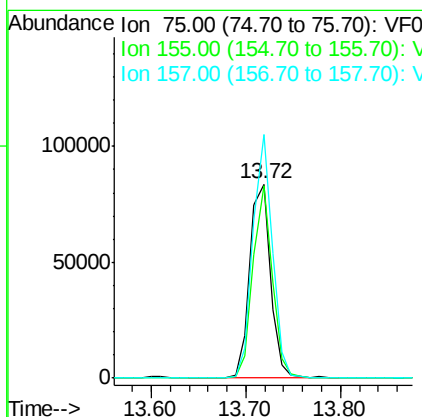
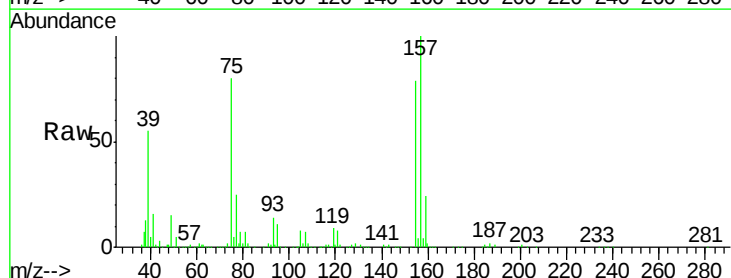
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

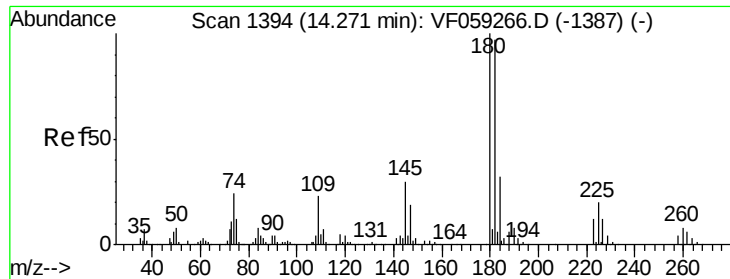
Tgt Ion:146 Resp: 997085
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.1 66.3
 148 69.3 34.0 102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 166.471 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion: 75 Resp: 128537
 Ion Ratio Lower Upper
 75 100
 155 99.4 48.3 144.9
 157 125.5 67.2 201.6

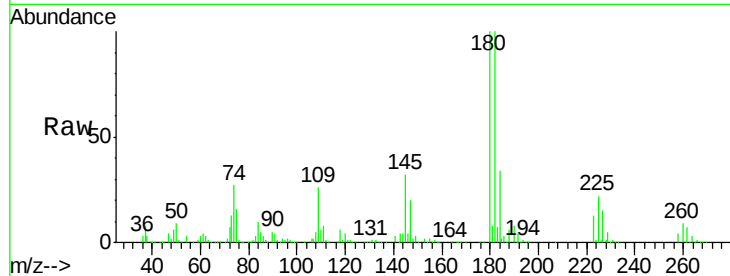




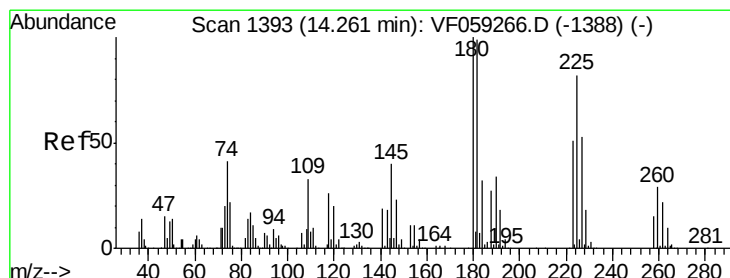
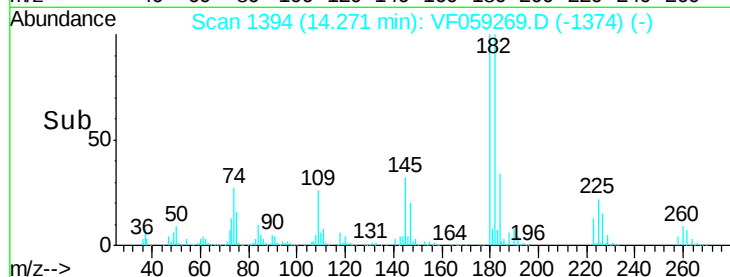
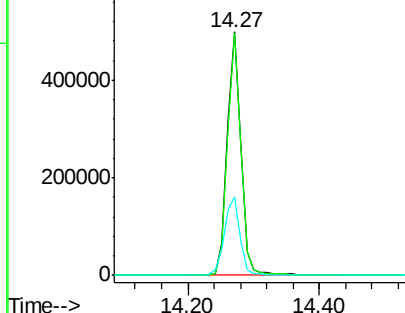
#93
 1,2,4-Trichlorobenzene
 Concen: 140.095 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 735506
 Ion Ratio Lower Upper
 180 100
 182 99.7 48.6 145.9
 145 32.1 15.0 45.1

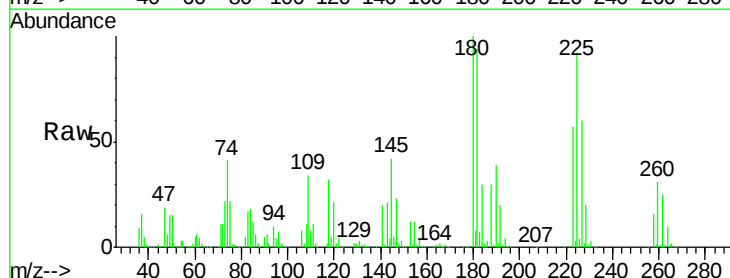


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

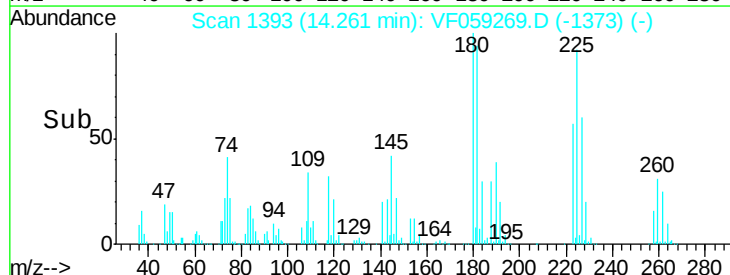
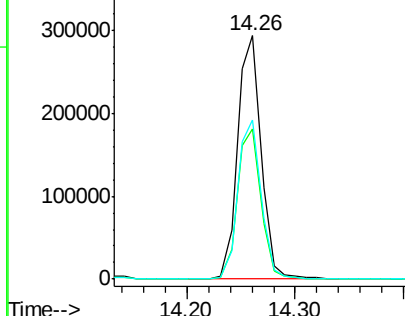


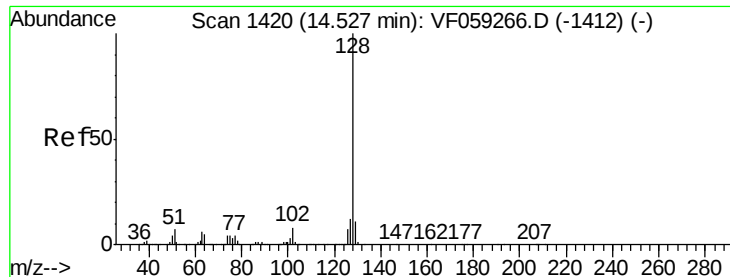
#94
 Hexachlorobutadiene
 Concen: 146.430 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059269.D
 Acq: 21 Jun 2018 18:36

Tgt Ion:225 Resp: 443586
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.7 92.1
 227 65.5 32.0 96.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

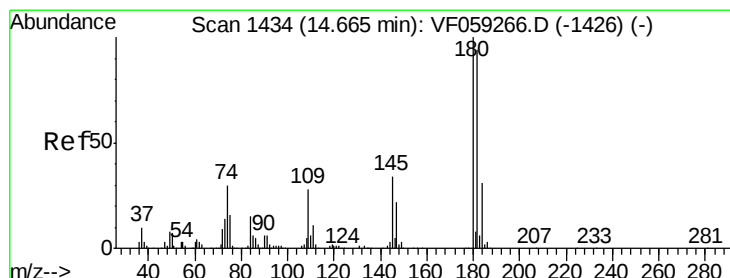
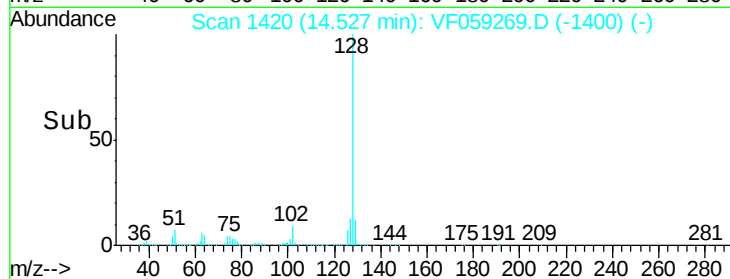
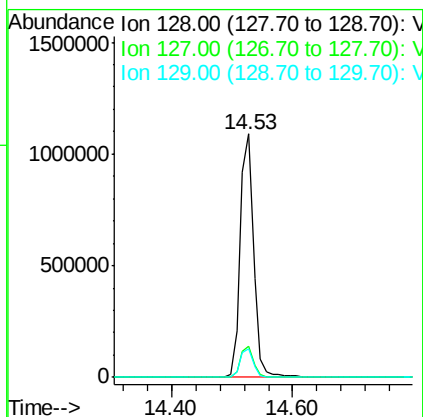
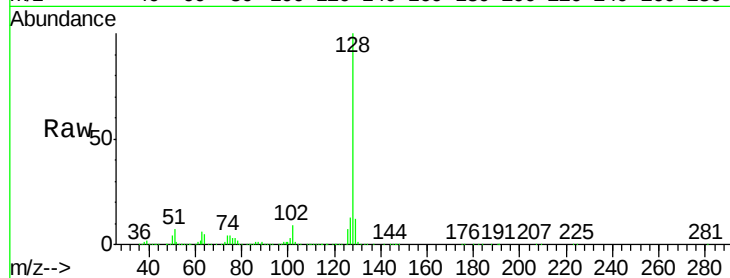




#95
Naphthalene
Concen: 150.066 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1684168
Ion Ratio Lower Upper
128 100
127 12.6 9.6 14.4
129 11.8 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 147.488 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059269.D
Acq: 21 Jun 2018 18:36

Tgt Ion:180 Resp: 716298
Ion Ratio Lower Upper
180 100
182 100.0 46.9 140.7
145 31.1 17.0 50.9

