

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062680.D
 Acq On : 21 May 2019 13:54
 Operator : FY/SY
 Sample : K2970-02
 Misc : 3.10g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11-S2

Quant Time: May 22 03:55:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	175	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.97	117	217	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.76	152	248	50.00	ug/l	0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	319	283.92	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	567.84%	
35) Dibromofluoromethane	4.33	113	160	119.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	238.96%	
50) Toluene-d8	7.69	98	234	73.19	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	146.38%	
62) 4-Bromofluorobenzene	11.47	95	83	68.45	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	136.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	271	125.246	ug/l	73
3) Chloromethane	1.13	50	663	332.773	ug/l #	40
4) Vinyl Chloride	1.18	62	292	159.220	ug/l #	41
5) Bromomethane	1.44	94	348	346.862	ug/l	97
6) Chloroethane	1.29	64	687	1019.980	ug/l	92
7) Trichlorofluoromethane	1.56	101	121	49.138	ug/l	87
8) Diethyl Ether	1.72	74	817	1674.770	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.89	101	175	111.609	ug/l #	19
10) Methyl Iodide	1.96	142	70	22.726	ug/l #	1
11) Tert butyl alcohol	2.70	59	501	6753.916	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	1153	807.231	ug/l #	1
13) Acrolein	2.12	56	456	5889.000	ug/l	94
14) Allyl chloride	2.19	41	1058	818.424	ug/l #	65
15) Acrylonitrile	3.09	53	587	2805.304	ug/l #	14
16) Acetone	2.37	43	1092	3746.258	ug/l #	61
17) Carbon Disulfide	1.94	76	471	111.254	ug/l #	1
18) Methyl Acetate	2.48	43	567	1237.832	ug/l #	52
19) Methyl tert-butyl Ether	2.50	73	862	337.592	ug/l	99
20) Methylene Chloride	2.36	84	308	210.803	ug/l #	62
21) trans-1,2-Dichloroethene	2.43	96	428	306.571	ug/l #	1
22) Diisopropyl ether	2.97	45	611	191.635	ug/l #	26
23) Vinyl Acetate	3.39	43	1143	531.434	ug/l #	73
24) 1,1-Dichloroethane	3.02	63	163	69.688	ug/l #	1
25) 2-Butanone	4.52	43	256	411.068	ug/l #	50
26) 2,2-Dichloropropane	3.78	77	643	480.467	ug/l #	60
27) cis-1,2-Dichloroethene	3.65	96	1114	485.100	ug/l	15
28) Bromochloromethane	3.86	49	70	53.361	ug/l	95
29) Tetrahydrofuran	4.24	42	519	2059.418	ug/l #	54
30) Chloroform	3.96	83	319	98.231	ug/l	98
31) Cyclohexane	3.86	56	884	281.479	ug/l #	7
32) 1,1,1-Trichloroethane	4.33	97	203	94.125	ug/l #	23
36) 1,1-Dichloropropene	4.33	75	354	197.411	ug/l	90
37) Ethyl Acetate	4.33	43	571	779.873	ug/l #	6
38) Carbon Tetrachloride	4.19	117	553	410.045	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	337	156.186	ug/l #	54
40) Benzene	4.81	78	445	91.092	ug/l #	53
41) Methacrylonitrile	4.91	41	1512	3938.971	ug/l #	52
42) 1,2-Dichloroethane	5.14	62	210	215.565	ug/l	71
43) Isopropyl Acetate	7.09	43	1383	1458.008	ug/l #	43
44) Trichloroethene	5.65	130	263	191.551	ug/l	85
45) 1,2-Dichloropropane	6.40	63	374	303.277	ug/l #	5
46) Dibromomethane	6.27	93	137	192.228	ug/l #	41
47) Bromodichloromethane	6.54	83	489	330.503	ug/l #	72
48) Methyl methacrylate	6.84	41	373	752.330	ug/l	86
49) 1,4-Dioxane	6.85	88	154	24251.656	ug/l #	1
51) 4-Methyl-2-Pentanone	8.46	43	556	857.531	ug/l	87
52) Toluene	7.80	92	137	53.473	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	219	180.923	ug/l #	44
54) cis-1,3-Dichloropropene	7.40	75	550	324.591	ug/l #	1
55) 1,1,2-Trichloroethane	8.61	97	65	85.687	ug/l #	15
56) Ethyl methacrylate	8.74	69	202	223.513	ug/l #	19
57) 1,3-Dichloropropane	8.96	76	374	289.454	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.42	63	150	509.906	ug/l #	51
59) 2-Hexanone	9.76	43	1206	3059.210	ug/l	78
60) Dibromochloromethane	8.89	129	98	99.123	ug/l #	12
61) 1,2-Dibromoethane	9.12	107	71	88.119	ug/l #	3
64) Tetrachloroethene	8.31	164	60	34.901	ug/l #	14
65) Chlorobenzene	9.92	112	294	68.980	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.06	131	84	49.094	ug/l #	53
67) Ethyl Benzene	10.05	91	374	50.512	ug/l #	42
68) m/p-Xylenes	10.28	106	153	54.980	ug/l #	1
69) o-Xylene	10.81	106	79	27.561	ug/l #	1
70) Styrene	10.89	104	155	35.578	ug/l #	1
71) Bromoform	10.88	173	144	168.041	ug/l #	27
73) Isopropylbenzene	11.22	105	526	29.593	ug/l #	45
74) N-amyl acetate	11.46	43	1807	441.849	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.75	83	106	29.181	ug/l #	87
76) 1,2,3-Trichloropropane	11.98	75	356	149.156	ug/l	90
77) Bromobenzene	11.56	156	83	18.786	ug/l #	51
78) n-propylbenzene	11.69	91	343	16.306	ug/l #	50
79) 2-Chlorotoluene	11.81	91	518	43.695	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	167	11.717	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.98	75	356	335.554	ug/l #	26
82) 4-Chlorotoluene	11.96	91	606	51.837	ug/l #	68
83) tert-Butylbenzene	12.20	119	567	39.212	ug/l #	18
84) 1,2,4-Trimethylbenzene	12.21	105	86	6.234	ug/l #	25
85) sec-Butylbenzene	12.39	105	282	14.532	ug/l #	54
86) p-Isopropyltoluene	12.51	119	386	23.603	ug/l #	1
87) 1,3-Dichlorobenzene	12.53	146	71	8.882	ug/l #	23
88) 1,4-Dichlorobenzene	12.65	146	143	19.063	ug/l #	24
89) n-Butylbenzene	12.89	91	73	4.527	ug/l #	25
90) Hexachloroethane	12.95	117	88	22.431	ug/l #	20
91) 1,2-Dichlorobenzene	12.99	146	74	10.386	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	374	863.063	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

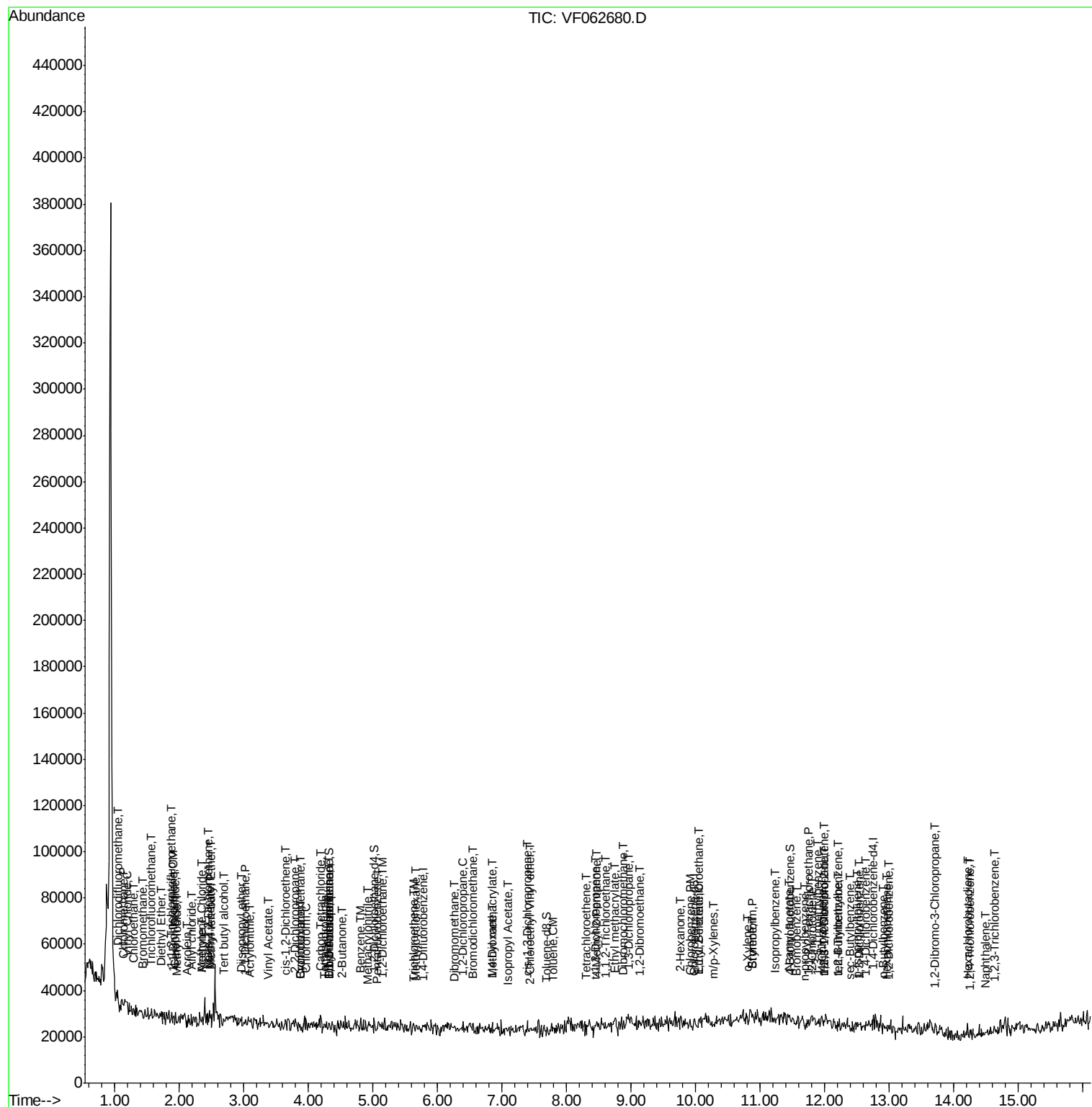
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	71	13.921	ug/l #	1
94) Hexachlorobutadiene	14.21	225	108	30.343	ug/l #	58
95) Naphthalene	14.48	128	148	15.973	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.64	180	176	36.431	ug/l #	11

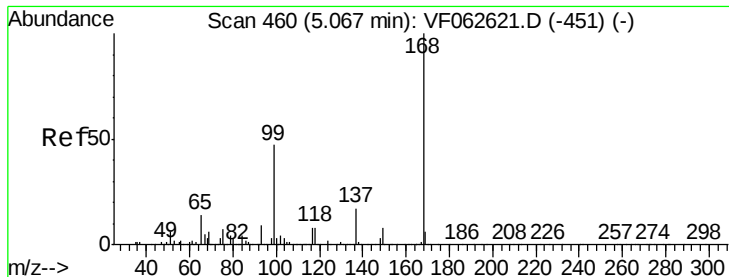
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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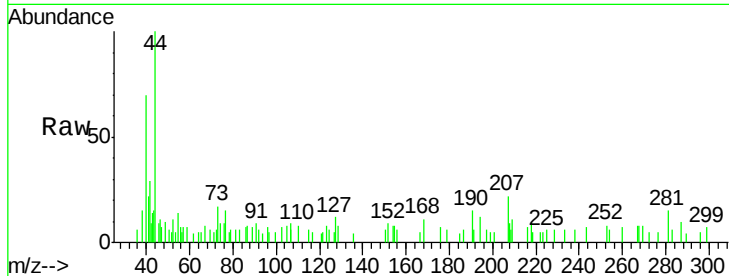


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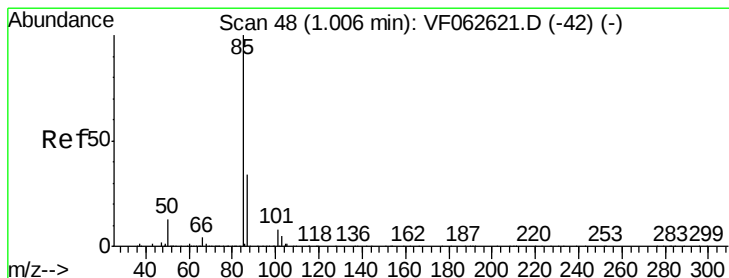
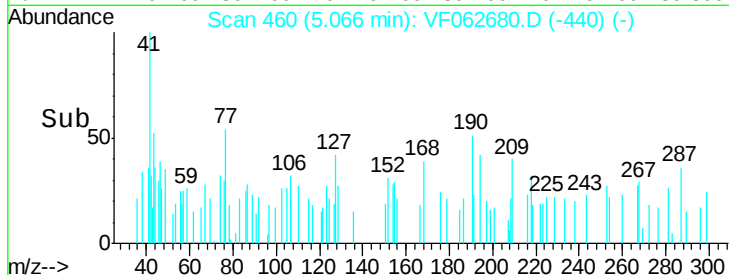
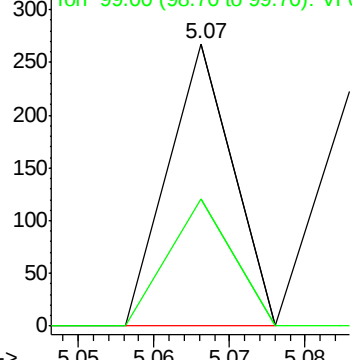
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.07 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: VF062680.D
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Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11-S2

Tot Ion:168 Resp: 159
 Ion Ratio Lower Upper
 168 100
 99 45.1 37.8 56.8



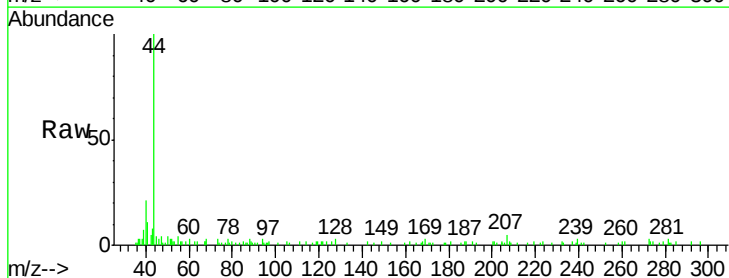
Abundance Ion 168.00 (167.70 to 168.70): VF0
 Ion 99.00 (98.70 to 99.70): VF0



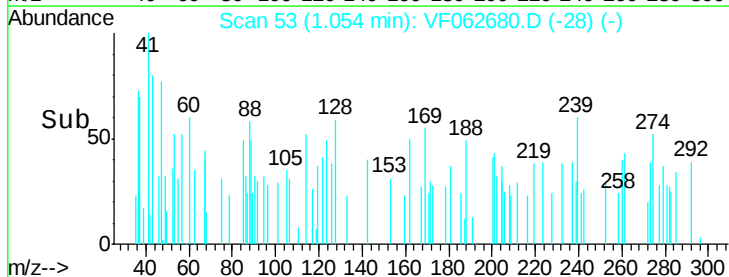
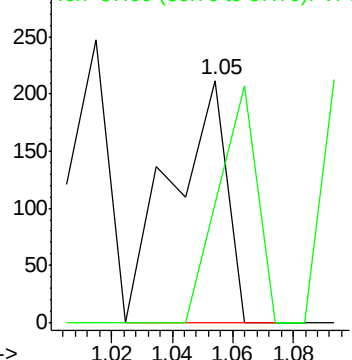
#2

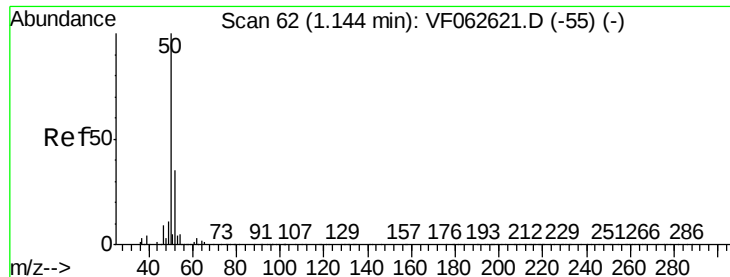
Dichlorodifluoromethane
 Concen: 125.246 ug/l
 RT: 1.05 min Scan# 53
 Delta R.T. 0.05 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion: 85 Resp: 271
 Ion Ratio Lower Upper
 85 100
 87 49.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 332.773 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

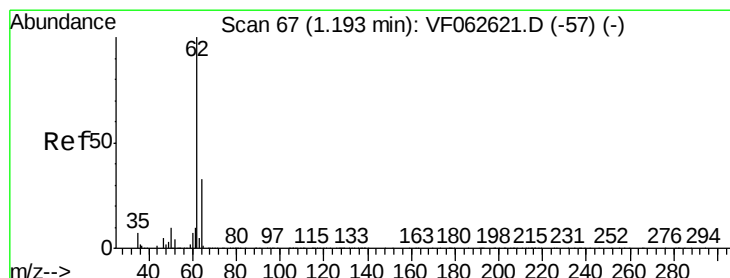
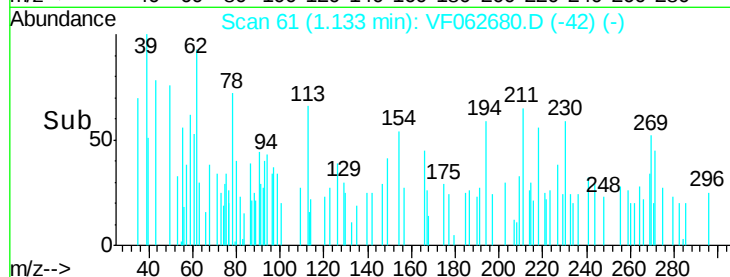
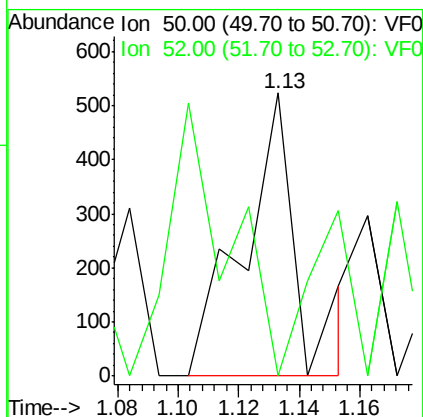
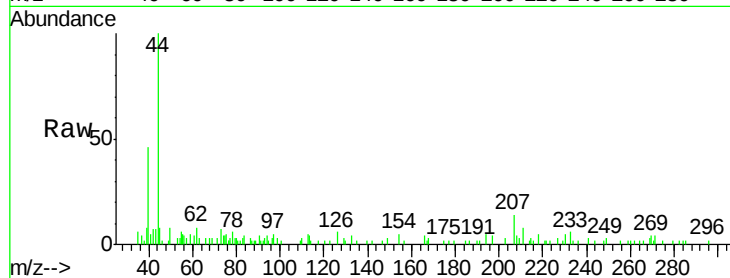
TP-11-S2

Tot Ion: 50 Resp: 663

Ion Ratio Lower Upper

50 100

52 0.0 27.5 41.3#



#4

Vinyl Chloride

Concen: 159.220 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062680.D

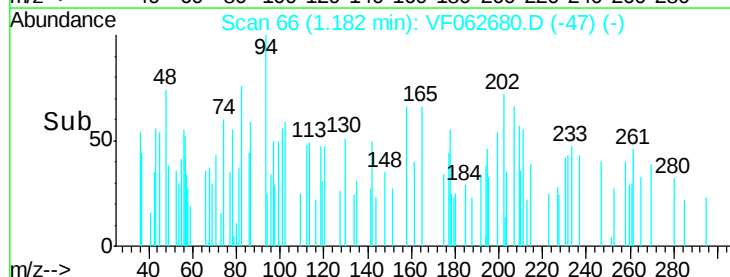
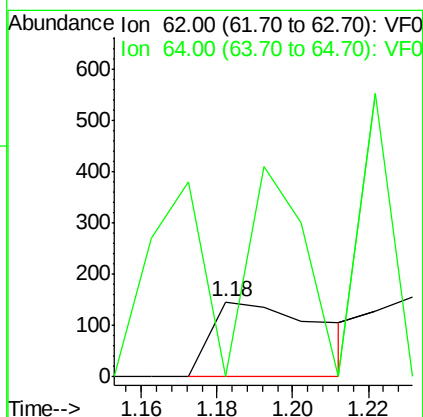
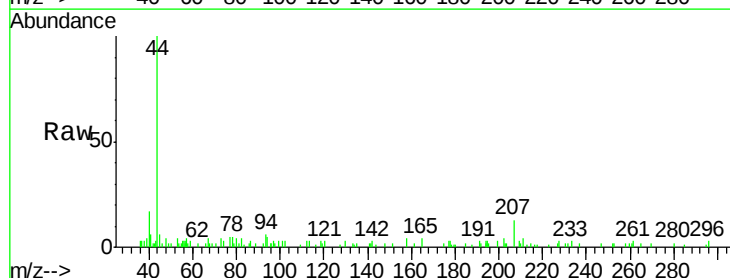
Acq: 21 May 2019 13:54

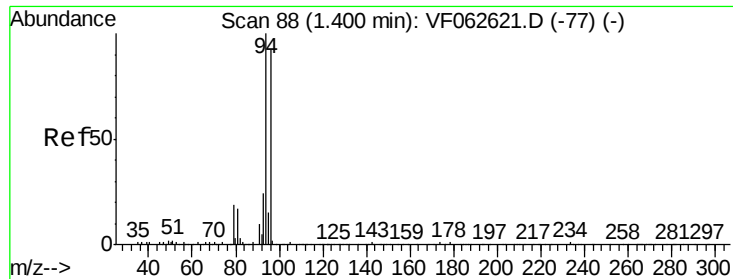
Tgt Ion: 62 Resp: 292

Ion Ratio Lower Upper

62 100

64 0.0 26.7 40.1#





#5

Bromomethane

Concen: 346.862 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.04 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

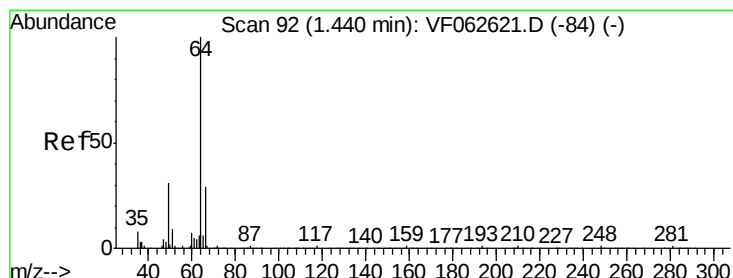
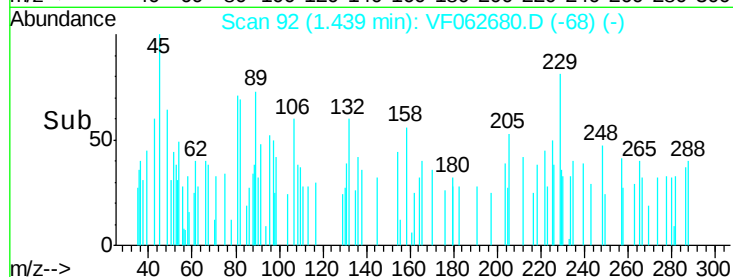
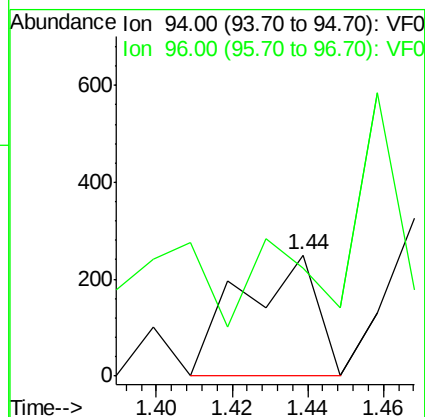
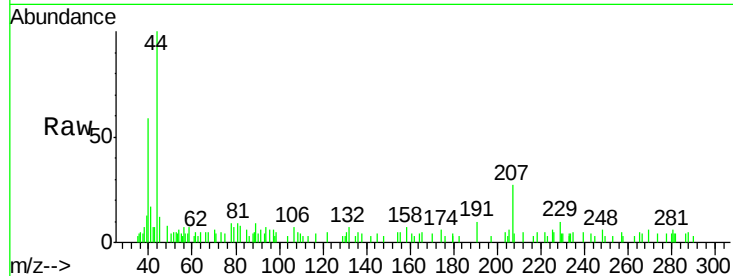
Instrument :
MSVOA_F
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TP-11-S2

Tot Ion: 94 Resp: 348

Ion Ratio Lower Upper

94 100

96 88.8 73.2 109.8



#6

Chloroethane

Concen: 1019.980 ug/l

RT: 1.29 min Scan# 77

Delta R.T. -0.15 min

Lab File: VF062680.D

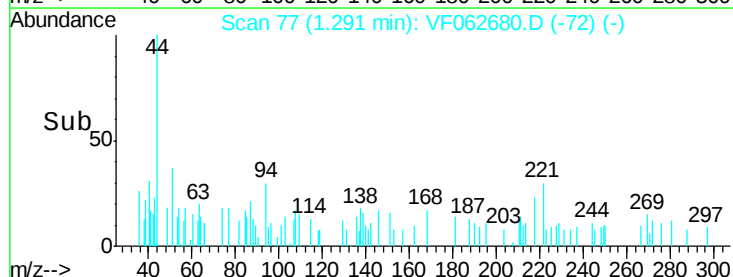
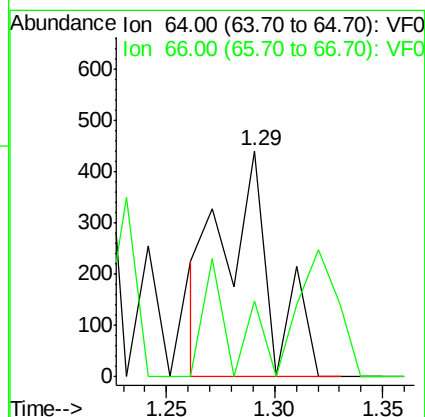
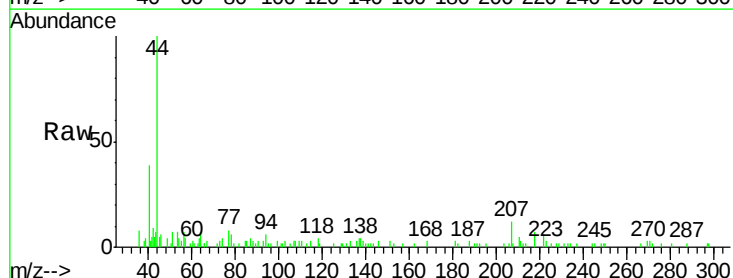
Acq: 21 May 2019 13:54

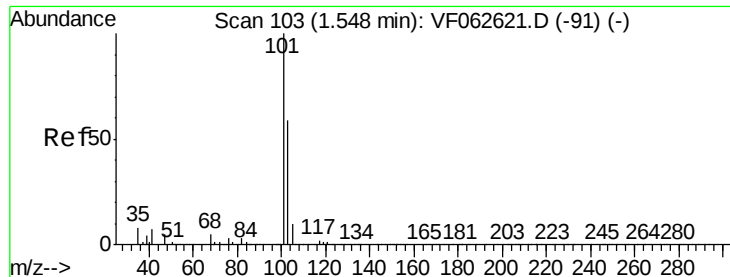
Tgt Ion: 64 Resp: 687

Ion Ratio Lower Upper

64 100

66 33.6 23.4 35.2



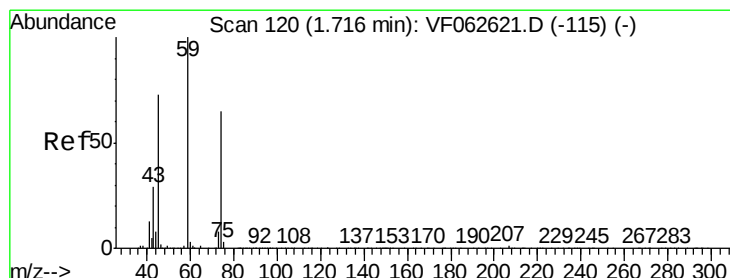
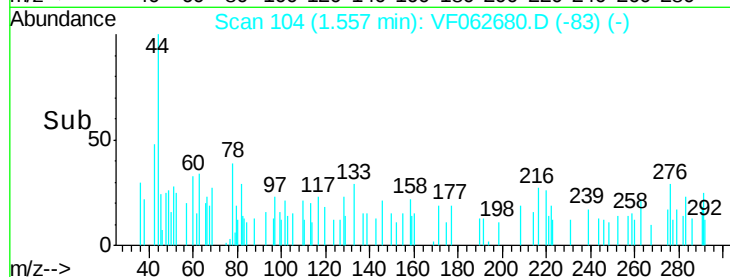
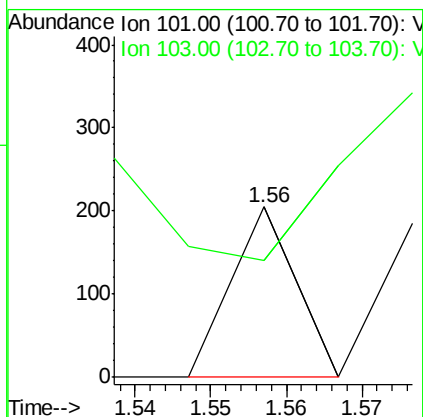
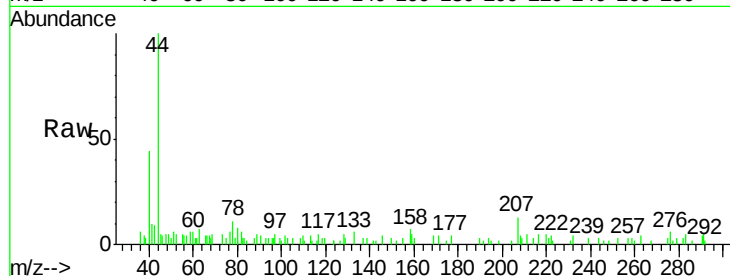


#7

Trichlorofluoromethane
Concen: 49.138 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062680.D
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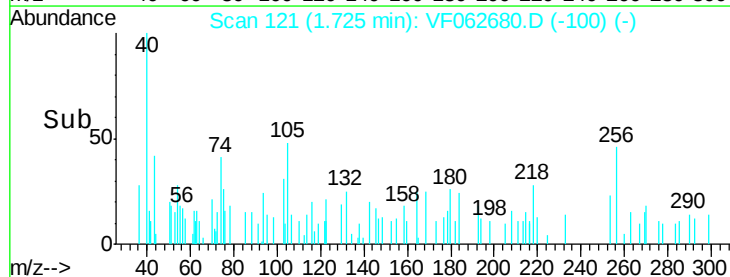
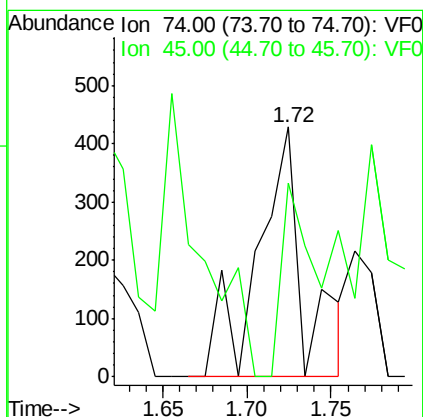
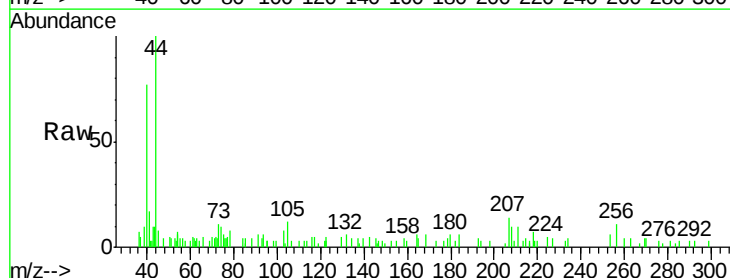
Tot Ion:101 Resp: 121
Ion Ratio Lower Upper
101 100
103 68.6 47.3 70.9

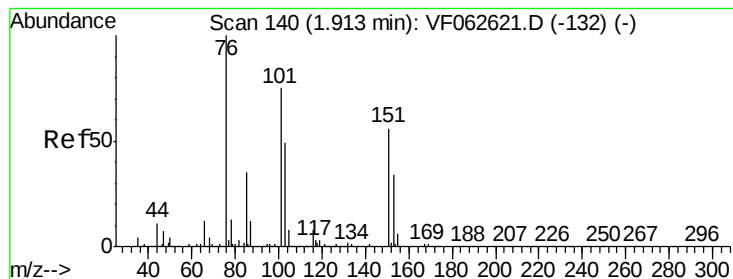


#8

Diethyl Ether
Concen: 1674.770 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 74 Resp: 817
Ion Ratio Lower Upper
74 100
45 77.4 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 111.609 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

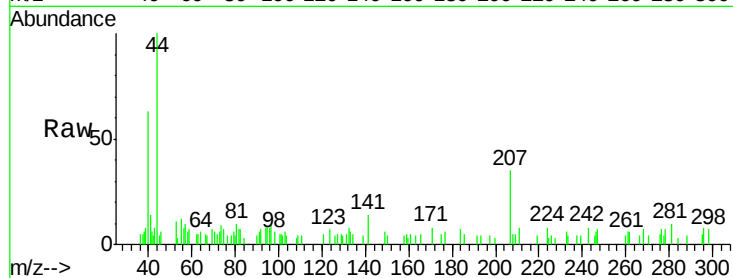
Tot Ion:101 Resp: 175

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

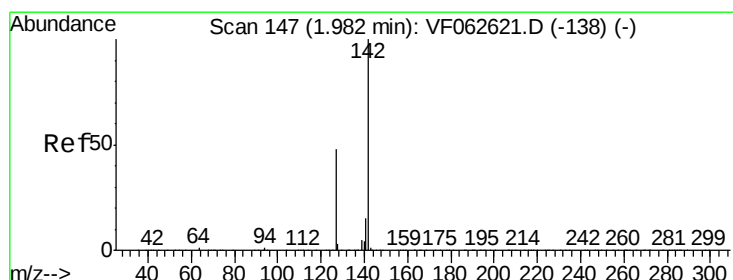
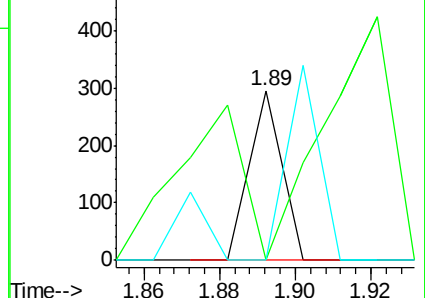
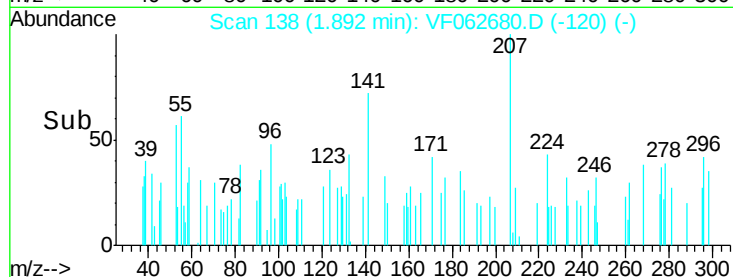
151 0.0 58.8 88.2#



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: 22.726 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

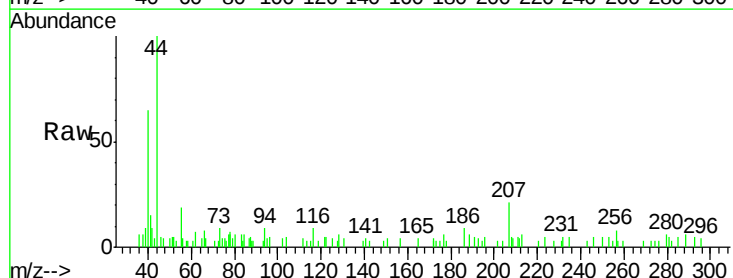
Tgt Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 90.7 38.1 57.1#

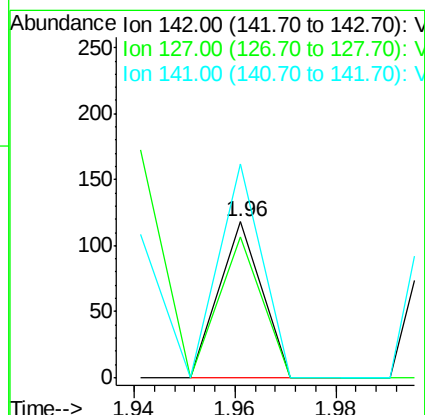
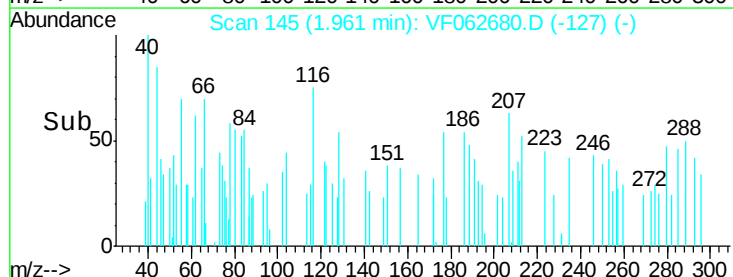
141 137.3 11.7 17.5#

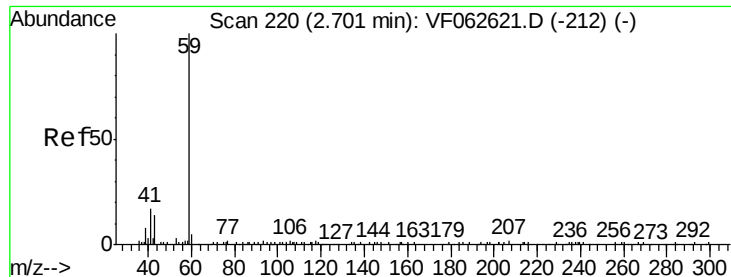


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



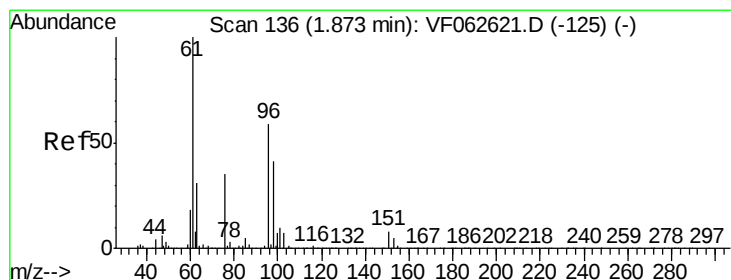
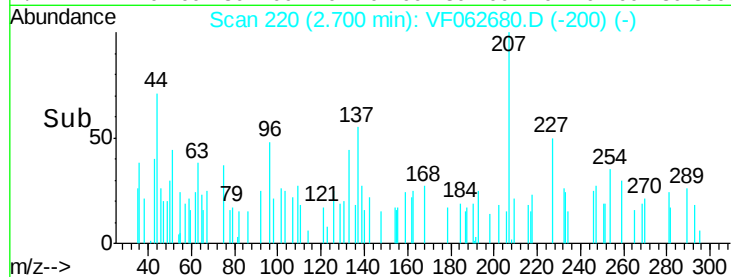
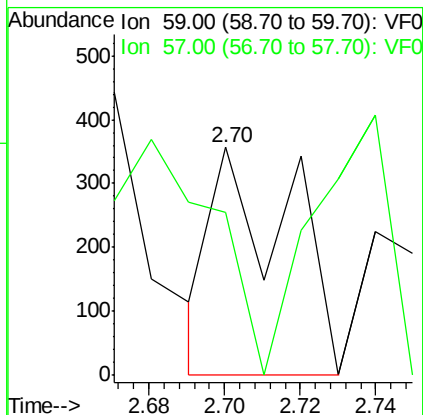
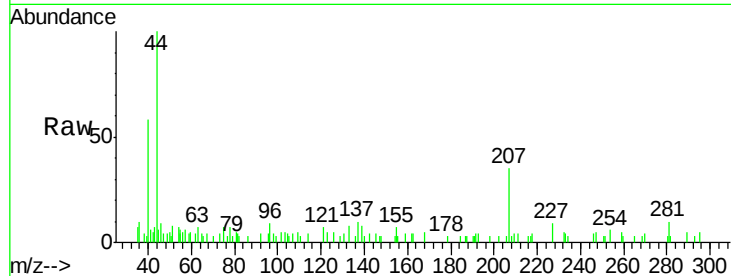


#11

Tert butyl alcohol
 Concen: 6753.916 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Instrument :
 MSVOA_F
 ClientSampled :
 TP-11-S2

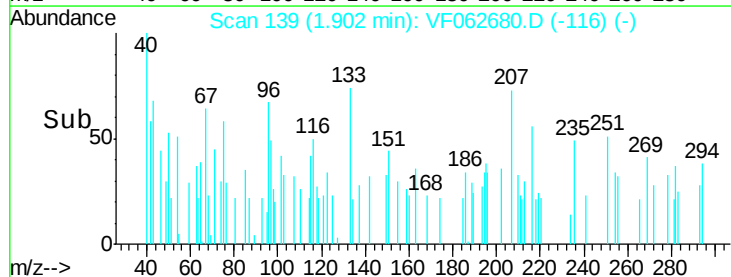
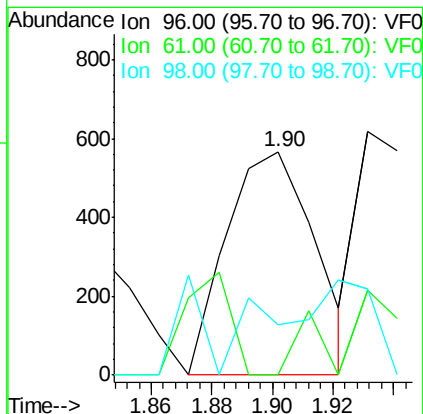
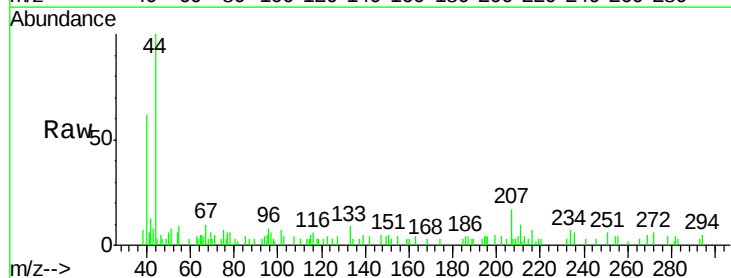
Tot Ion: 59 Resp: 501
 Ion Ratio Lower Upper
 59 100
 57 71.4 9.3 13.9#

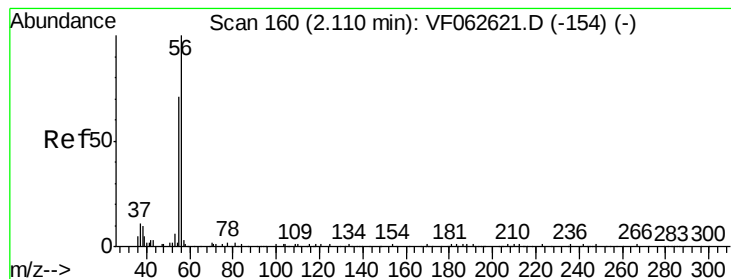


#12

1,1-Dichloroethene
 Concen: 807.231 ug/l
 RT: 1.90 min Scan# 139
 Delta R.T. 0.03 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion: 96 Resp: 1153
 Ion Ratio Lower Upper
 96 100
 61 0.0 134.3 201.5#
 98 22.2 55.0 82.6#





#13

Acrolein

Concen: 5889.000 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

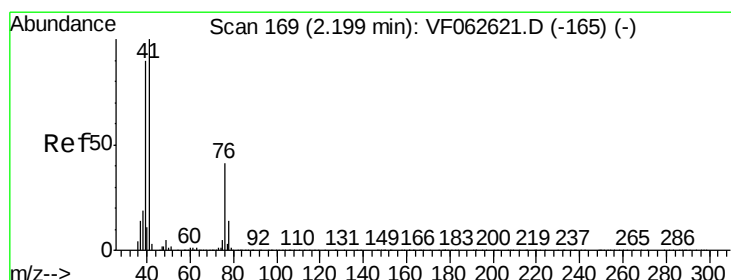
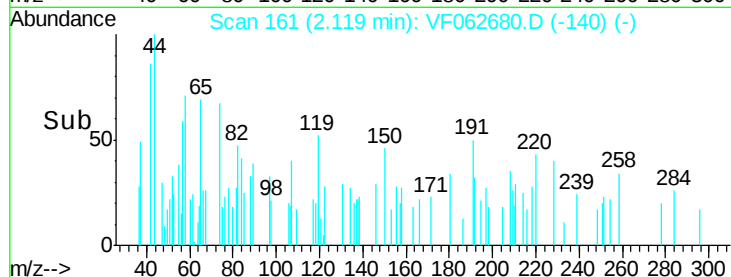
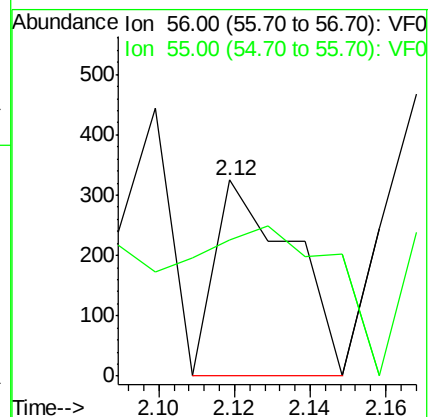
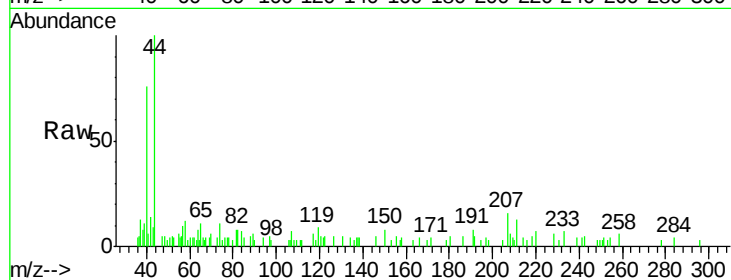
Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

Tot Ion: 56 Resp: 456

Ion Ratio Lower Upper

56 100

55 69.5 59.4 89.0



#14

Allyl chloride

Concen: 818.424 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

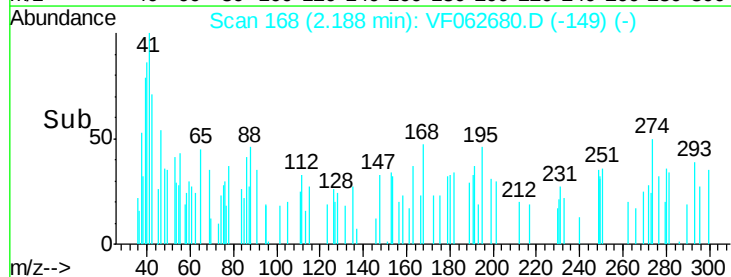
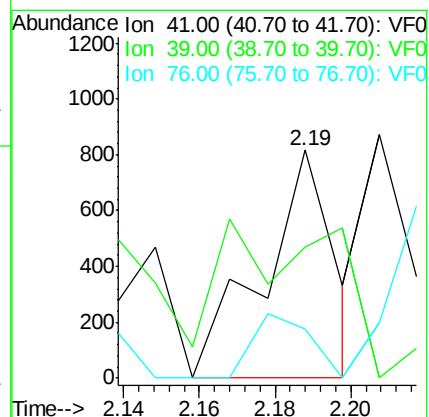
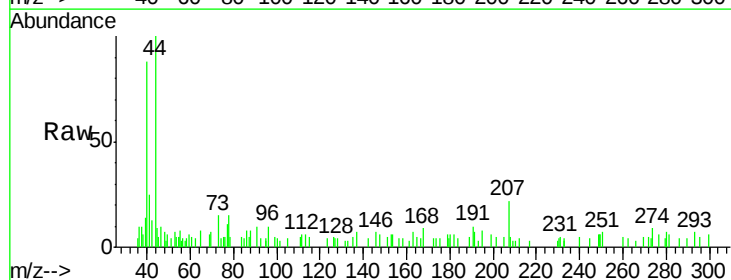
Tgt Ion: 41 Resp: 1058

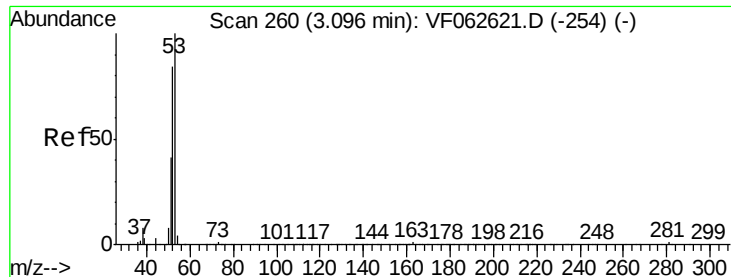
Ion Ratio Lower Upper

41 100

39 57.3 72.0 108.0#

76 21.4 34.8 52.2#





#15

Acrylonitrile

Concen: 2805.304 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

TP-11-S2

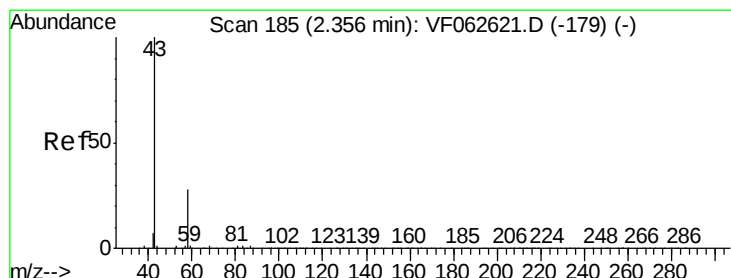
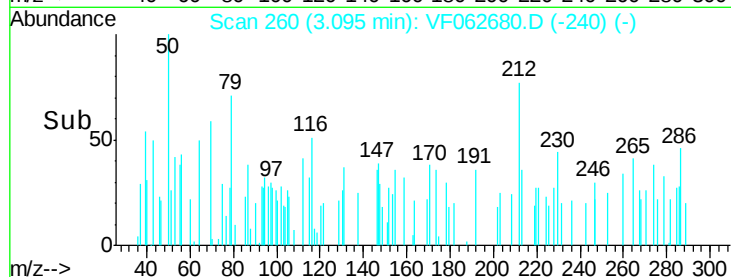
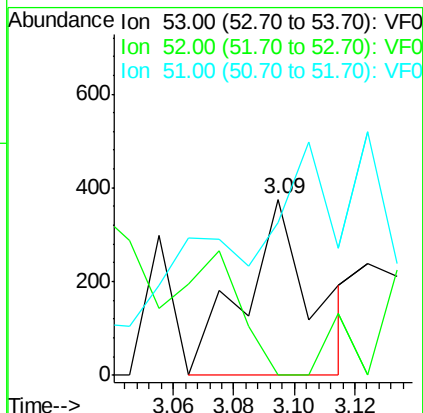
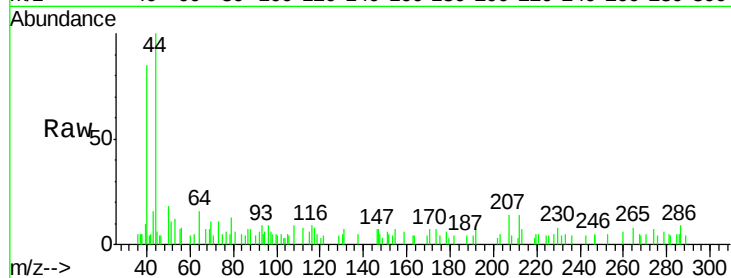
Tot Ion: 53 Resp: 587

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 86.7 33.0 49.6#



#16

Acetone

Concen: 3746.258 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062680.D

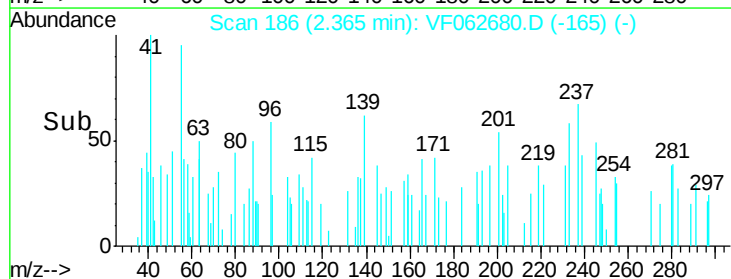
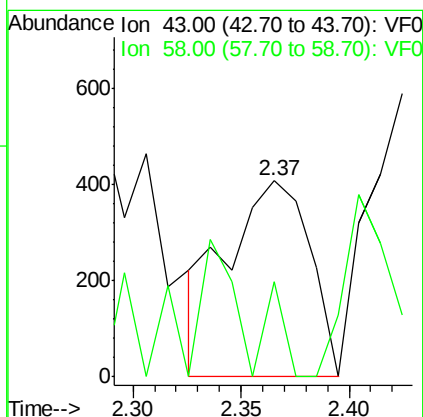
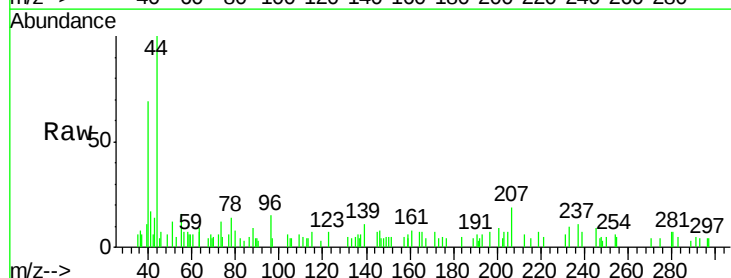
Acq: 21 May 2019 13:54

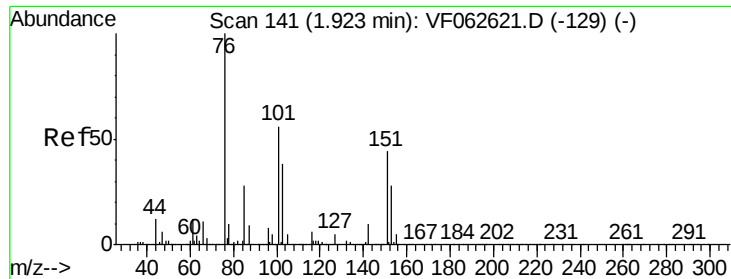
Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

58 48.5 22.6 33.8#





#17

Carbon Disulfide

Concen: 111.254 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

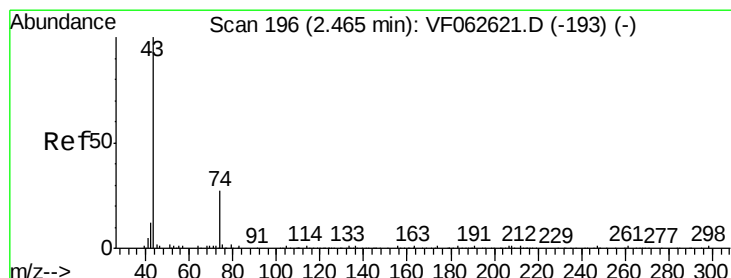
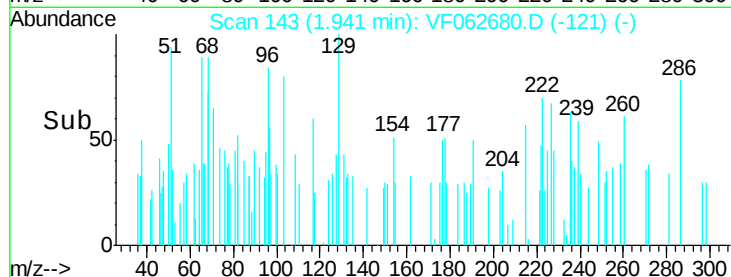
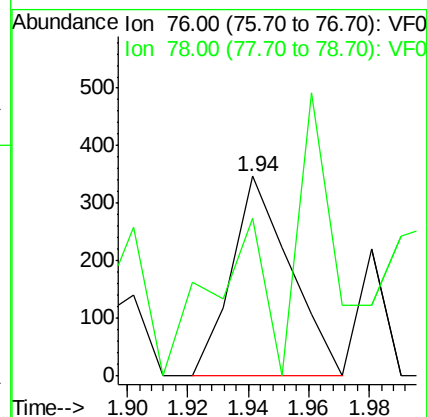
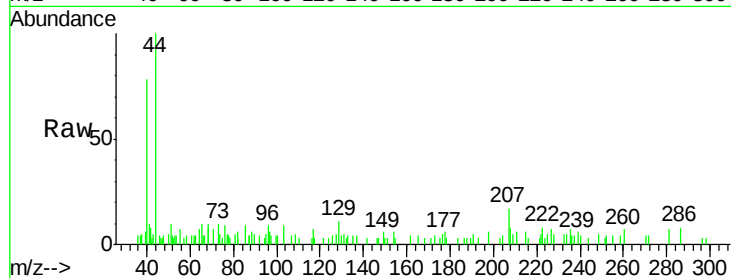
TP-11-S2

Tot Ion: 76 Resp: 471

Ion Ratio Lower Upper

76 100

78 79.0 8.4 12.6#



#18

Methyl Acetate

Concen: 1237.832 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF062680.D

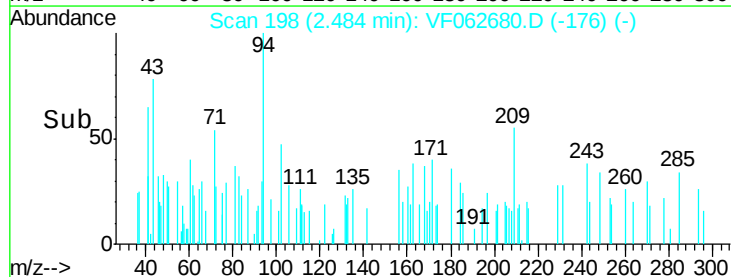
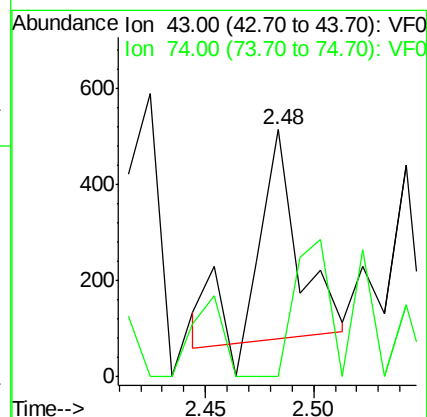
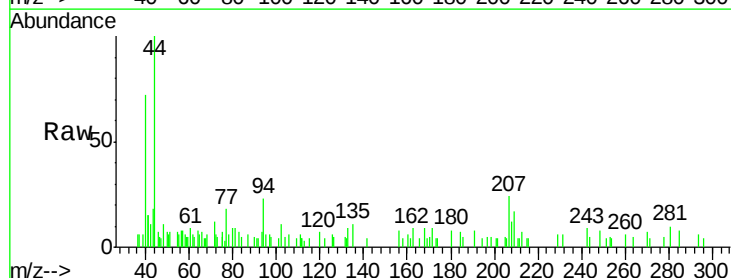
Acq: 21 May 2019 13:54

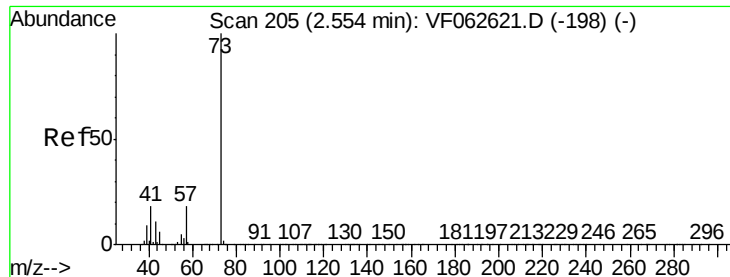
Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



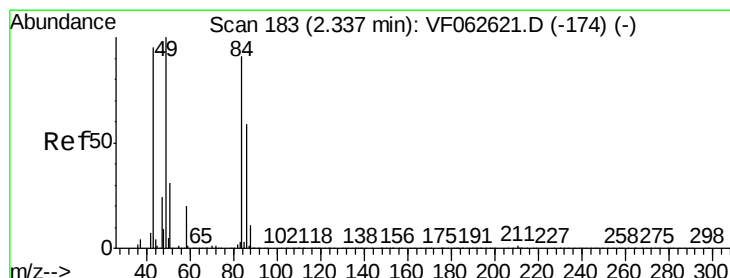
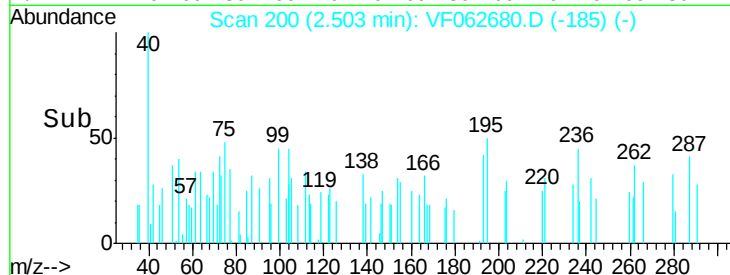
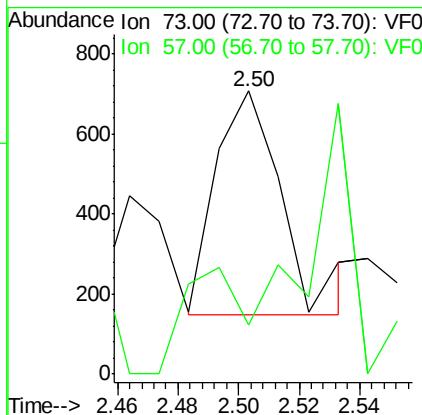


#19

Methyl tert-butyl Ether
 Concen: 337.592 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. -0.05 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11-S2

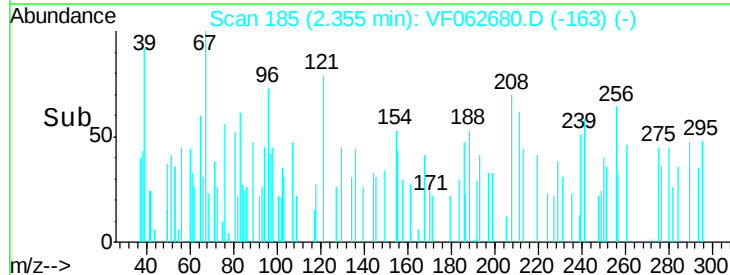
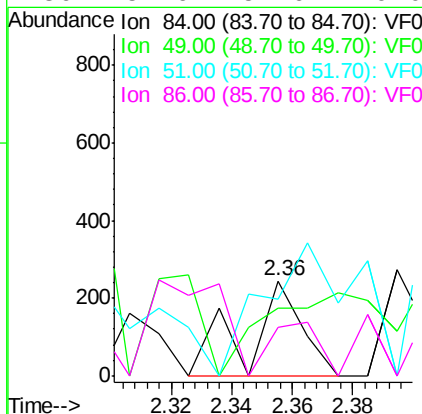
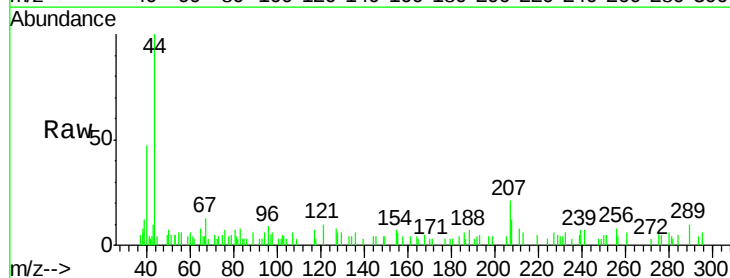
Tot Ion: 73 Resp: 862
 Ion Ratio Lower Upper
 73 100
 57 17.4 14.2 21.4

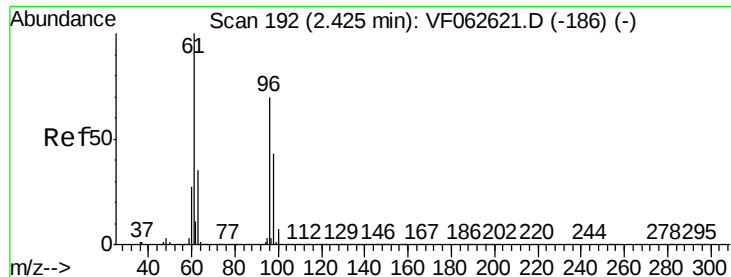


#20

Methylene Chloride
 Concen: 210.803 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion: 84 Resp: 308
 Ion Ratio Lower Upper
 84 100
 49 71.7 89.8 134.8#
 51 81.1 28.4 42.6#
 86 51.6 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 306.571 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

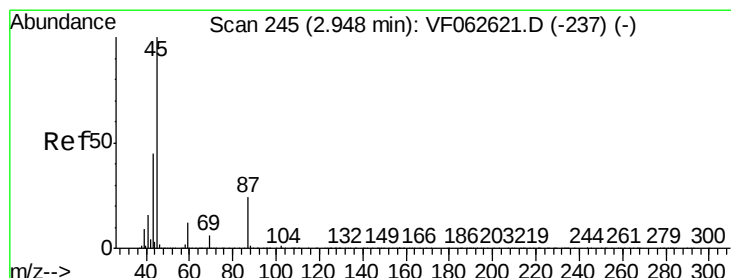
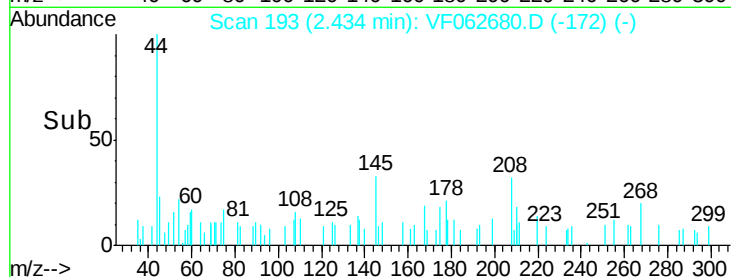
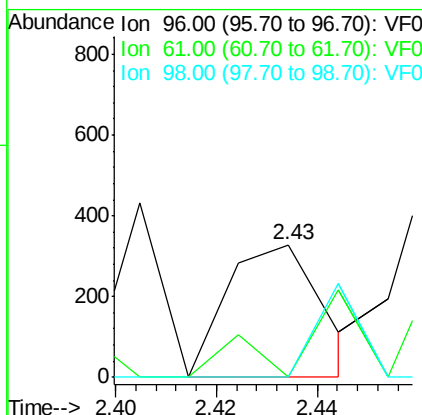
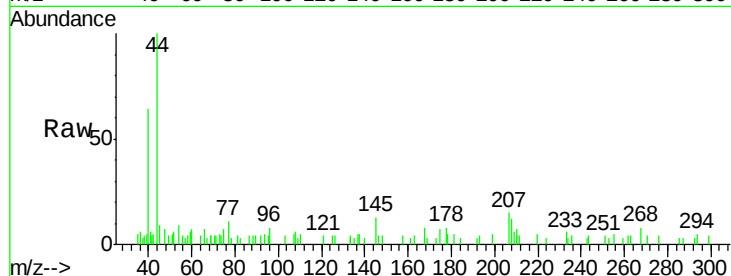
Tot Ion: 96 Resp: 428

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 0.0 49.5 74.3#



#22

Diisopropyl ether

Concen: 191.635 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Tgt Ion: 45 Resp: 611

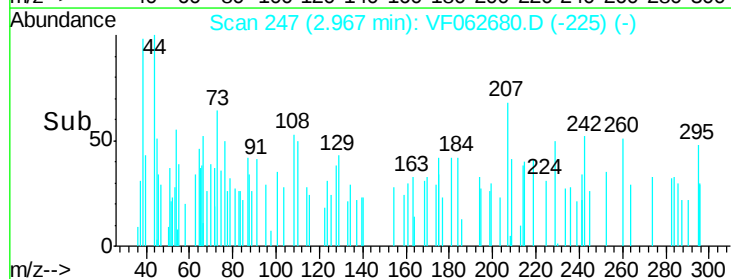
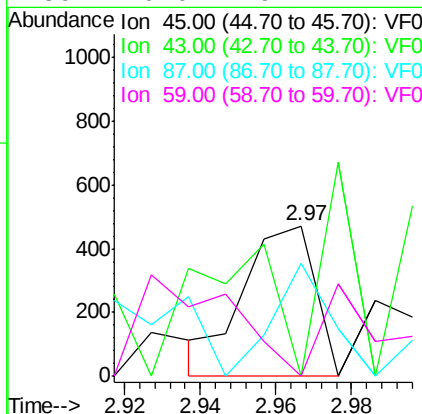
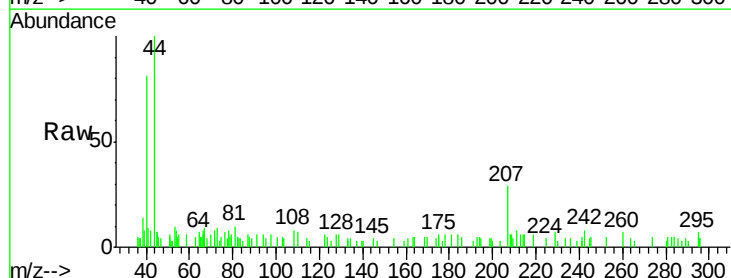
Ion Ratio Lower Upper

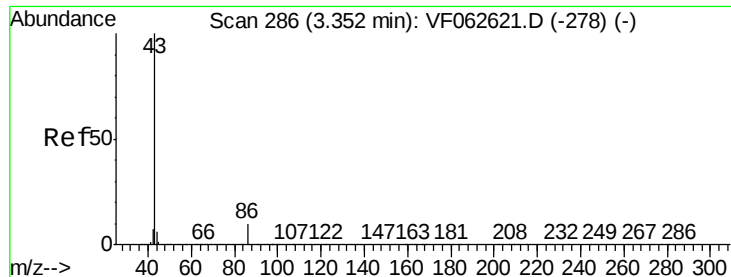
45 100

43 0.0 36.4 54.6#

87 75.2 19.3 28.9#

59 0.0 9.4 14.2#





#23

Vinyl Acetate

Concen: 531.434 ug/l

RT: 3.39 min Scan# 290

Delta R.T. 0.04 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

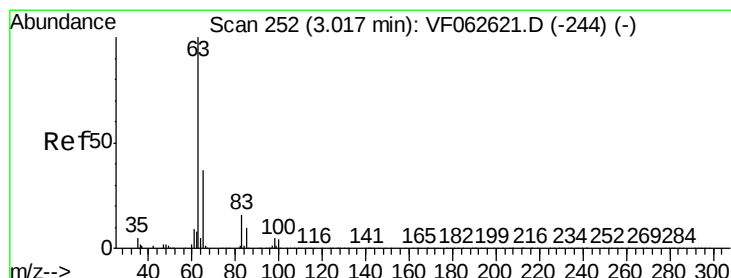
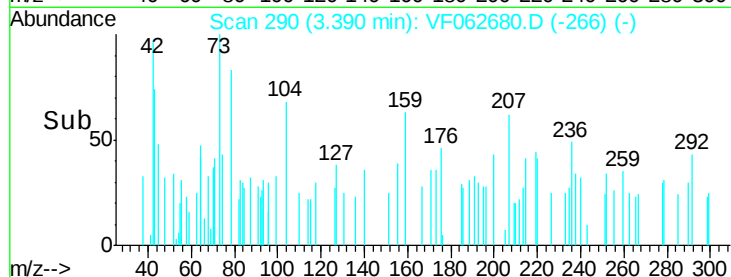
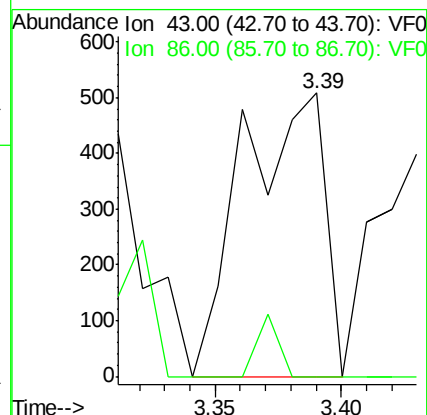
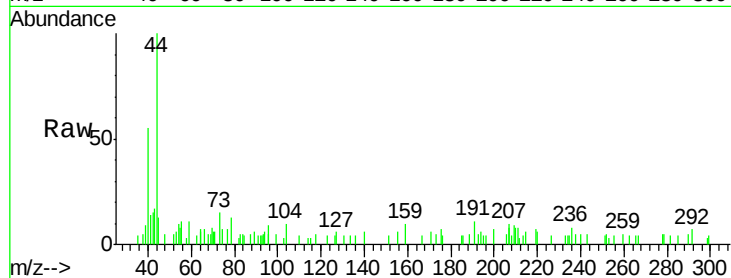
TP-11-S2

Tot Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 69.688 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

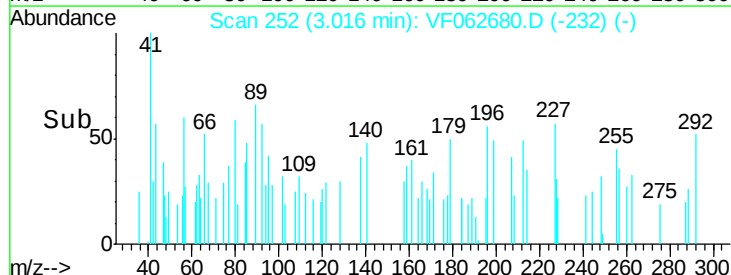
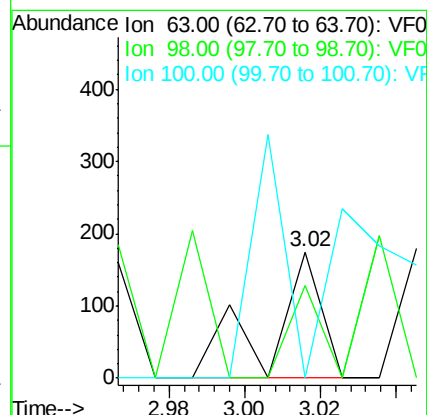
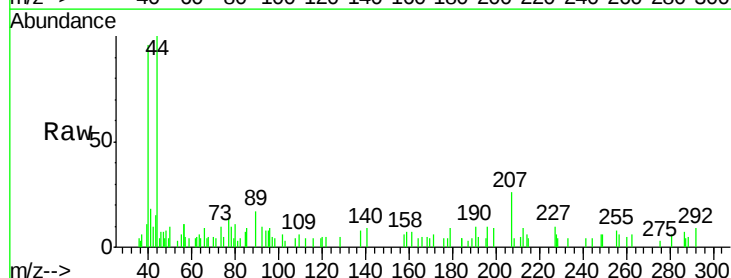
Tgt Ion: 63 Resp: 163

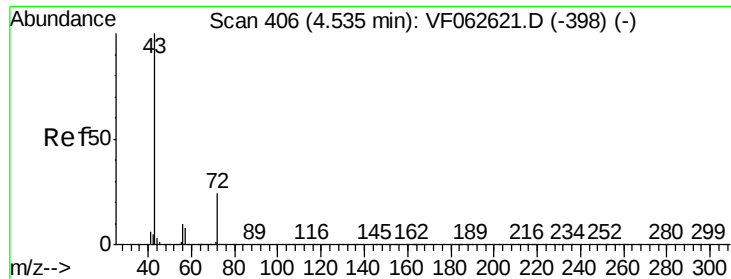
Ion Ratio Lower Upper

63 100

98 73.7 2.8 8.3#

100 0.0 1.9 5.7#

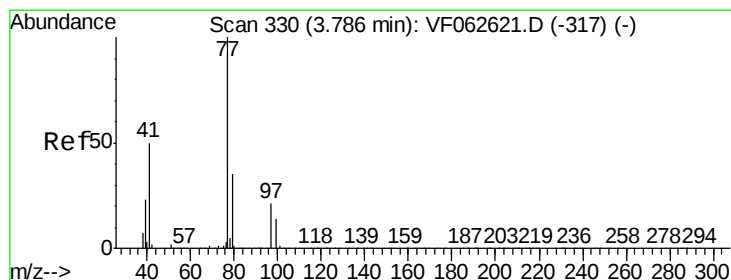
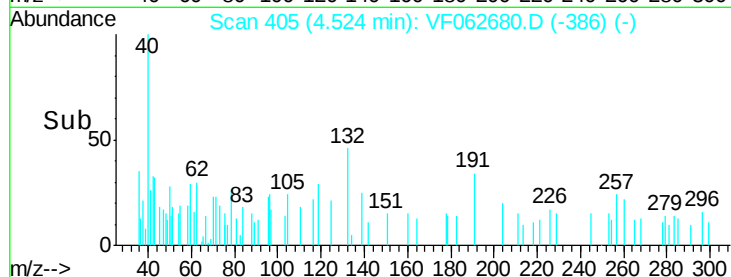
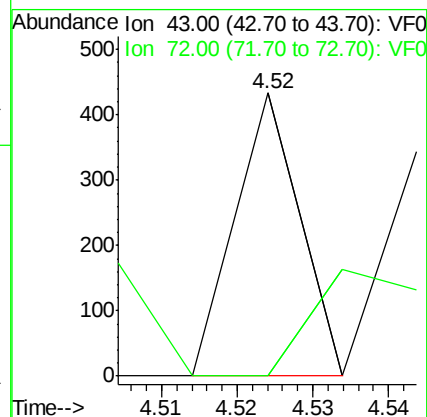
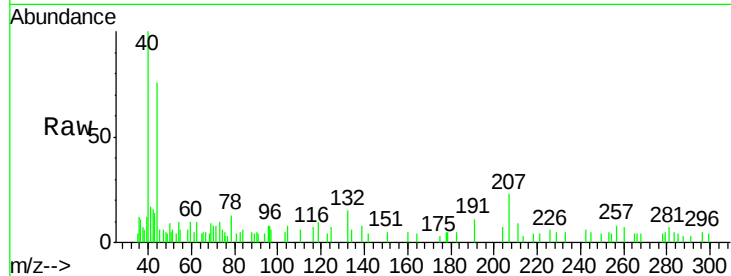




#25
2-Butanone
Concen: 411.068 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

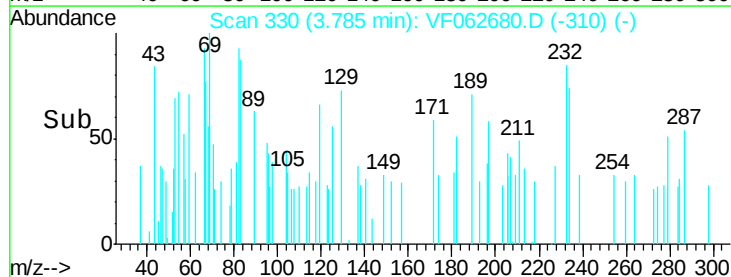
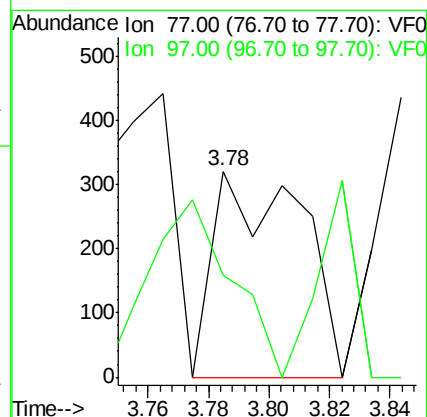
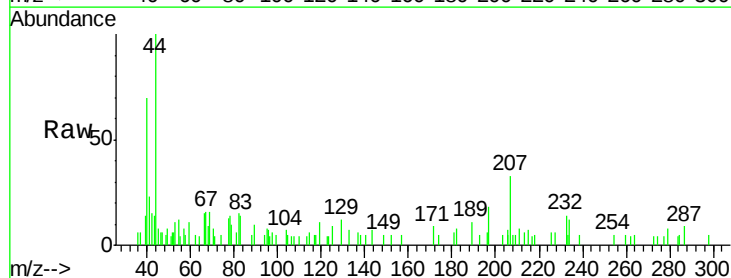
Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

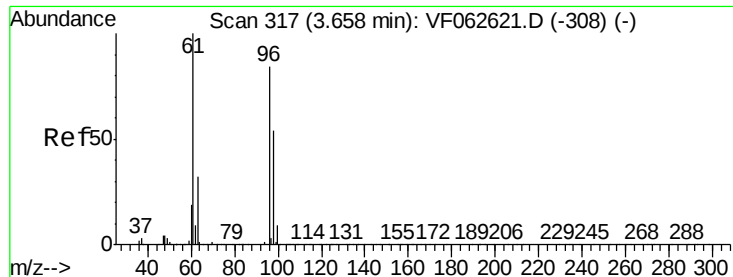
Tot Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#26
2,2-Dichloropropane
Concen: 480.467 ug/l
RT: 3.78 min Scan# 330
Delta R.T. -0.00 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 77 Resp: 643
Ion Ratio Lower Upper
77 100
97 49.2 14.1 42.4#



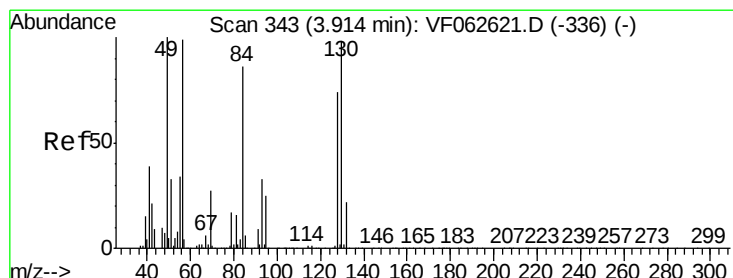
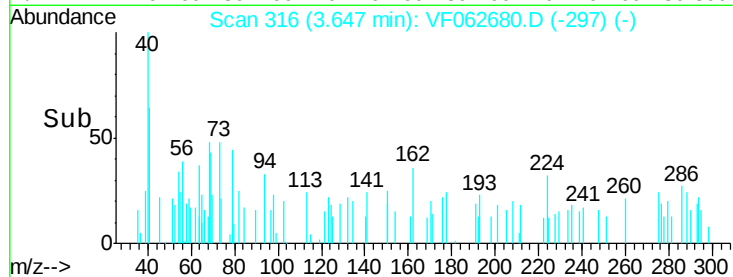
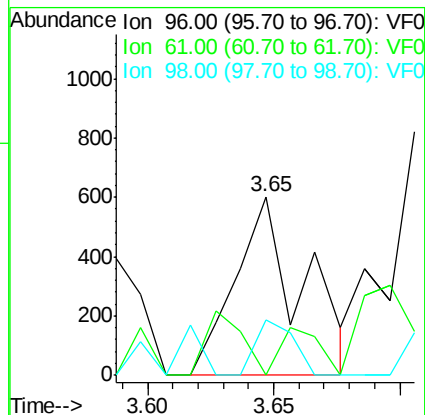
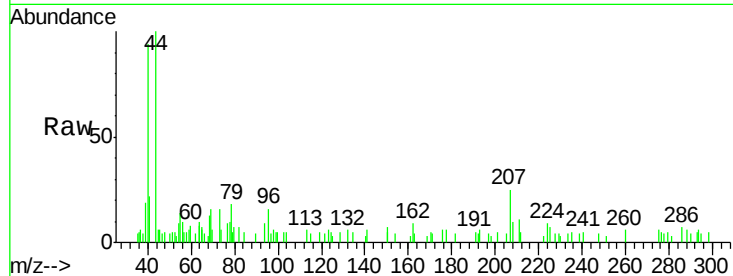


#27

cis-1,2-Dichloroethene
Concen: 485.100 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

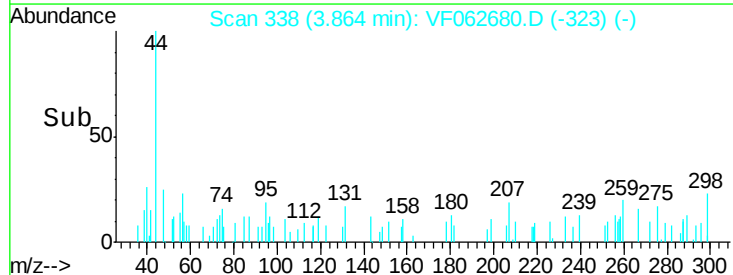
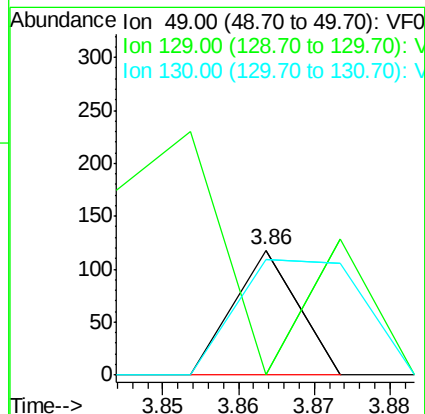
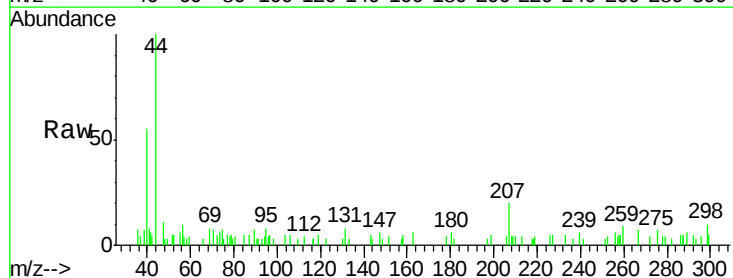
Tot Ion: 96 Resp: 1114
Ion Ratio Lower Upper
96 100
61 0.0 0.0 237.4
98 31.2 0.0 129.0

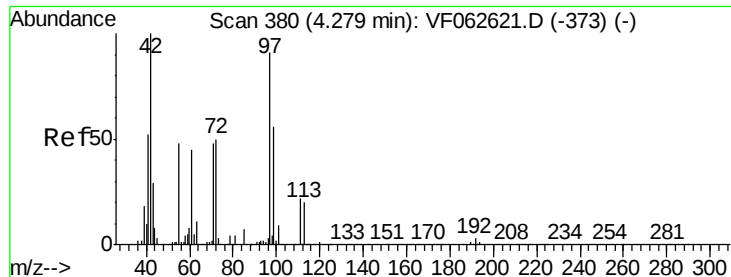


#28

Bromochloromethane
Concen: 53.361 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.05 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 49 Resp: 70
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 92.4 77.8 116.8





#29

Tetrahydrofuran

Concen: 2059.418 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.04 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

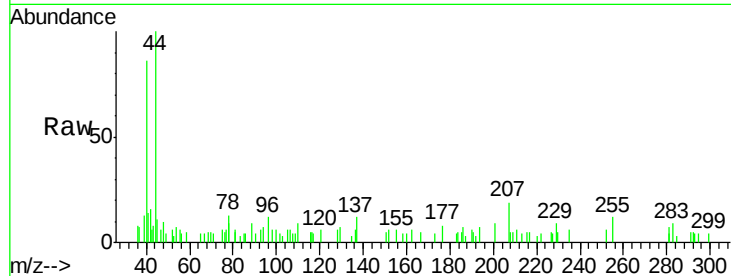
Tot Ion: 42 Resp: 519

Ion Ratio Lower Upper

42 100

72 64.0 38.2 57.2#

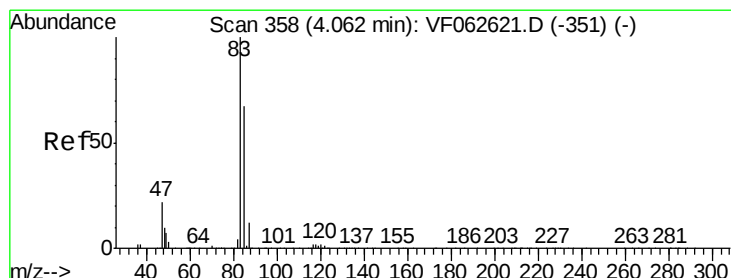
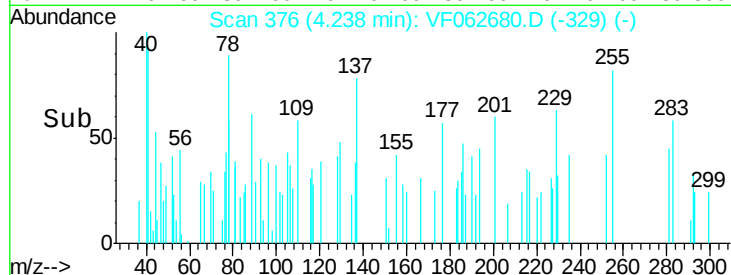
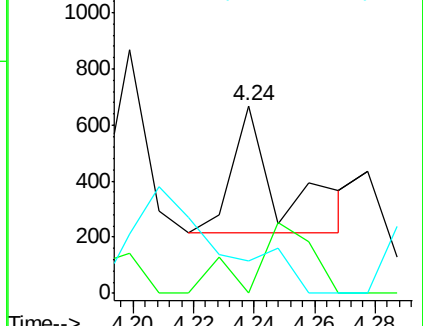
71 0.0 35.8 53.6#



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: 98.231 ug/l

RT: 3.96 min Scan# 348

Delta R.T. -0.10 min

Lab File: VF062680.D

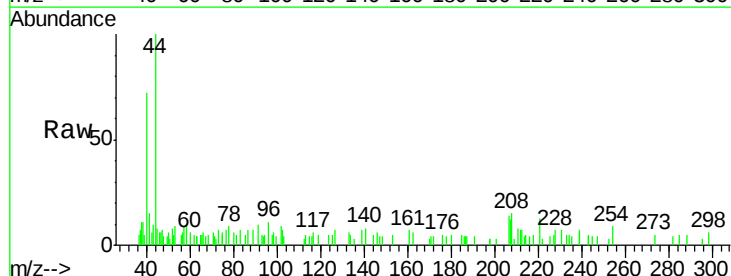
Acq: 21 May 2019 13:54

Tgt Ion: 83 Resp: 319

Ion Ratio Lower Upper

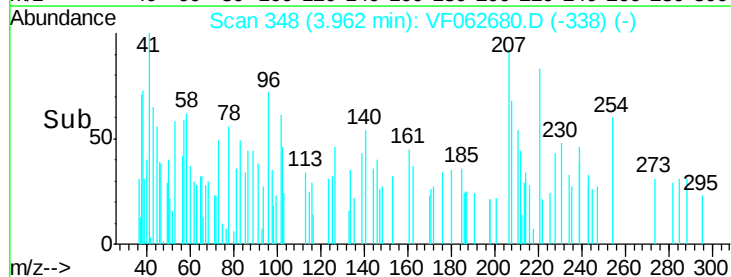
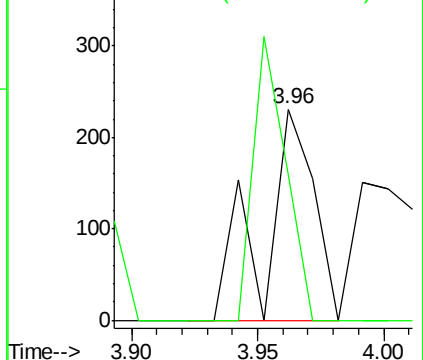
83 100

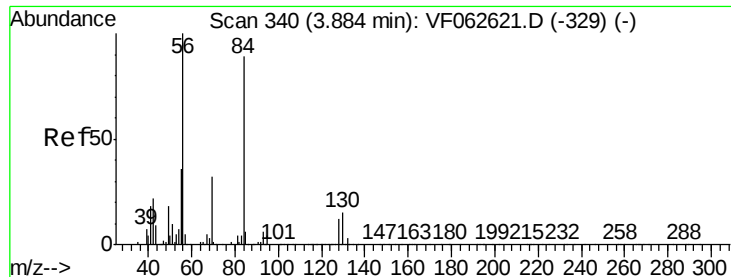
85 68.8 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 281.479 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

TP-11-S2

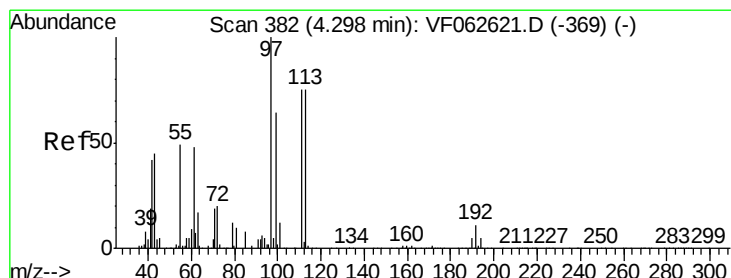
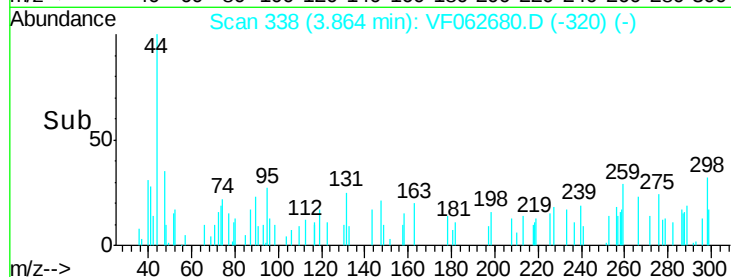
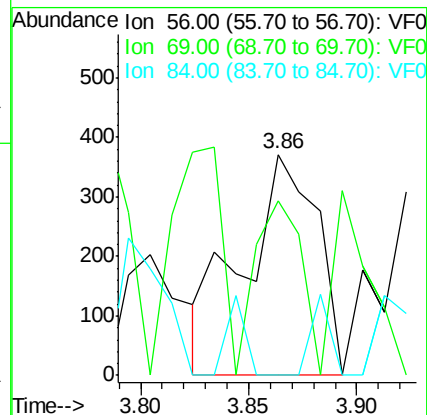
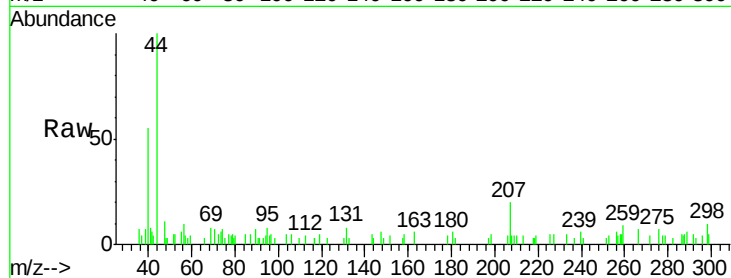
Tot Ion: 56 Resp: 884

Ion Ratio Lower Upper

56 100

69 79.2 25.3 37.9#

84 0.0 71.0 106.4#



#32

1,1,1-Trichloroethane

Concen: 94.125 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

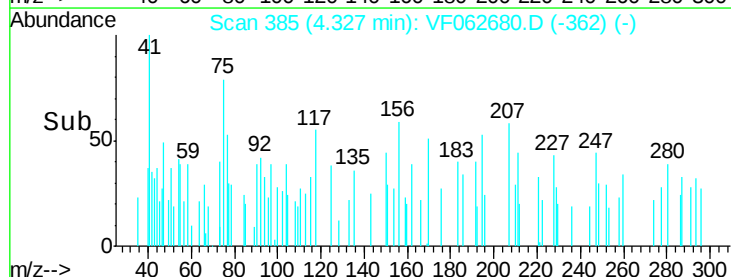
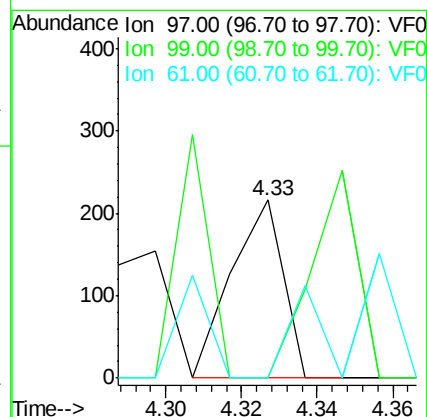
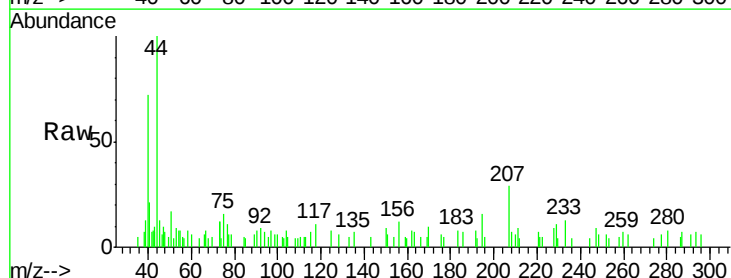
Tgt Ion: 97 Resp: 203

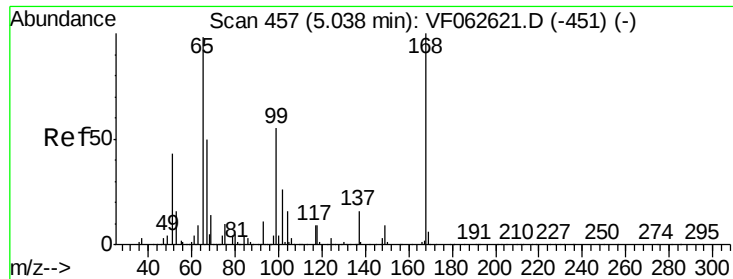
Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 283.916 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

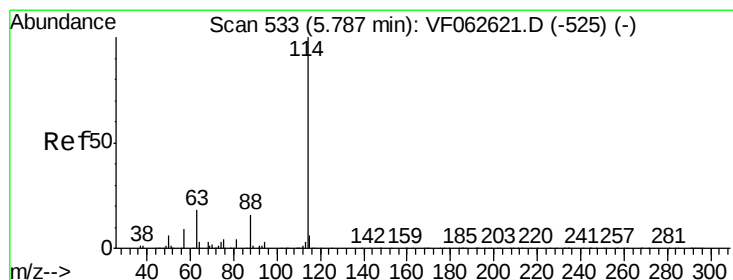
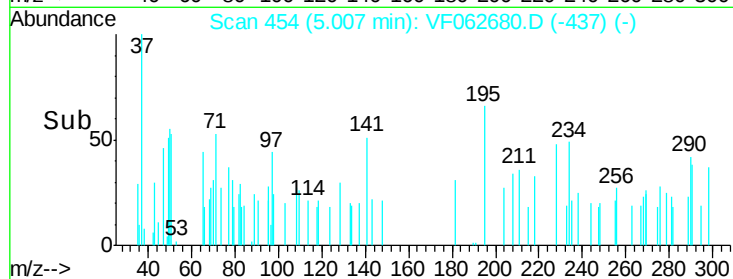
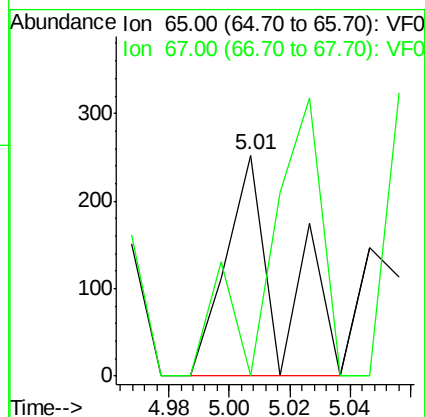
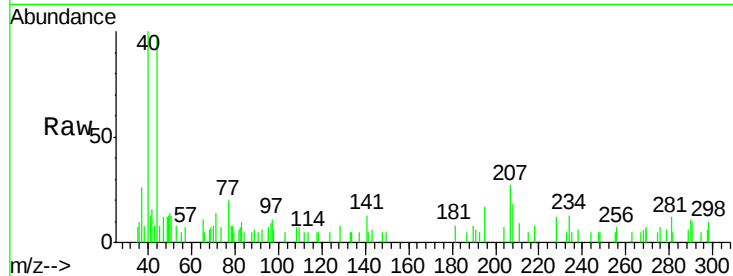
TP-11-S2

Tot Ion: 65 Resp: 319

Ion Ratio Lower Upper

65 100

67 0.0 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

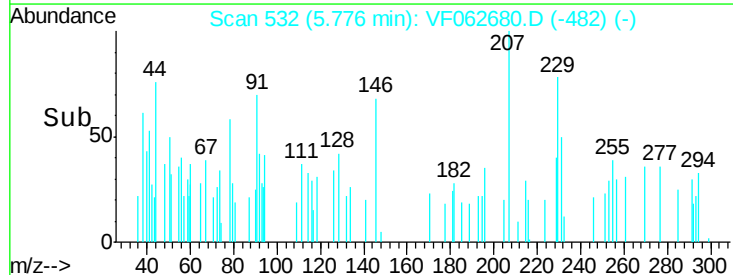
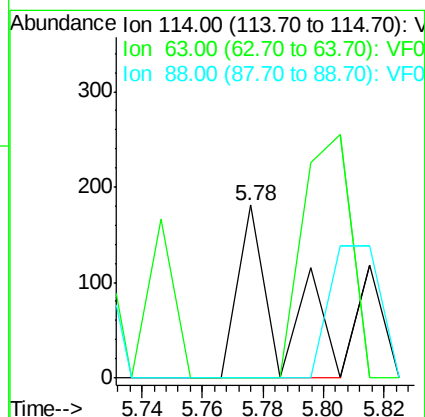
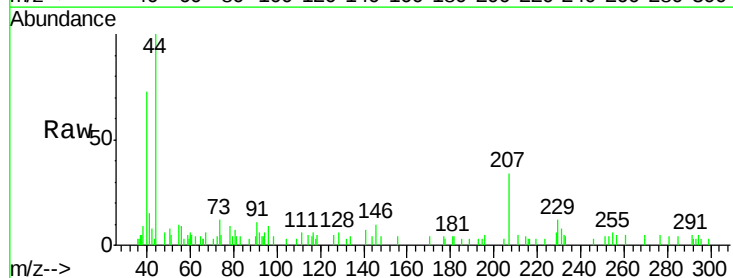
Tgt Ion: 114 Resp: 175

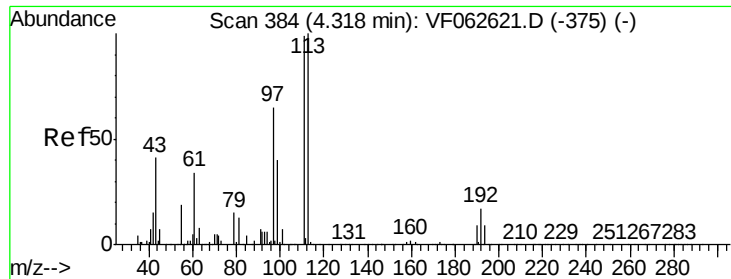
Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 0.0 0.0 32.4

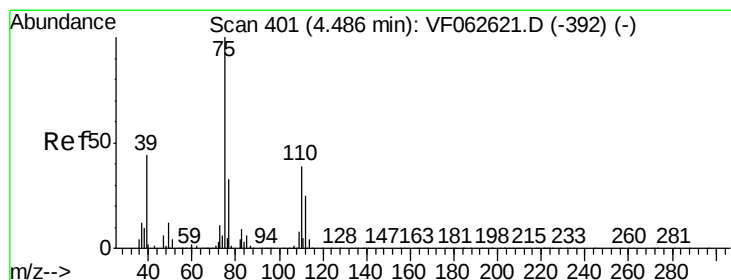
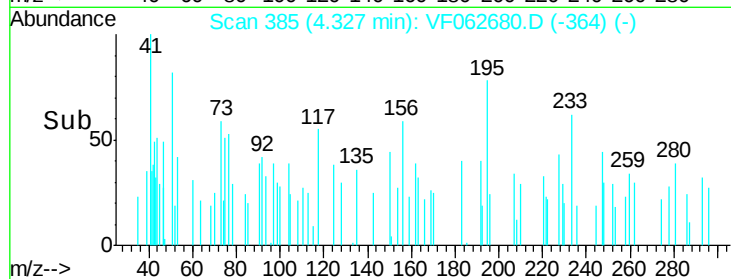
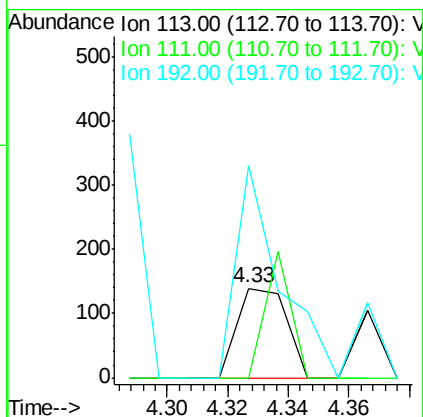
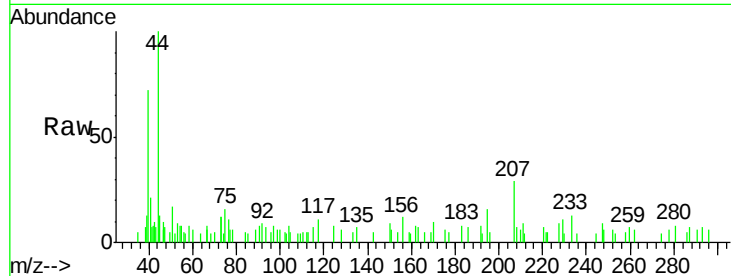




#35
 Dibromofluoromethane
 Concen: 119.483 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

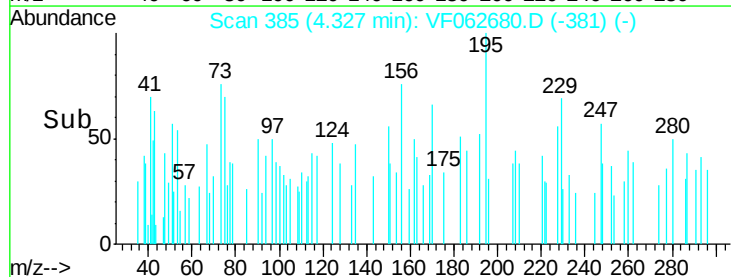
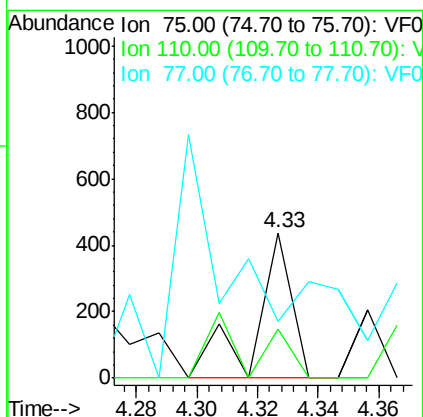
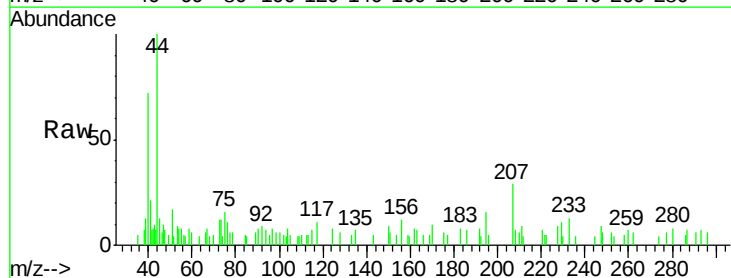
Instrument :
 MSVOA_F
 ClientSampled :
 TP-11-S2

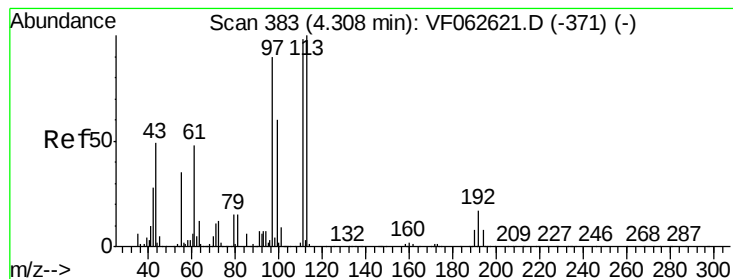
Tot Ion:113 Resp: 160
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.4 119.2#
 192 237.4 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 197.411 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.16 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion: 75 Resp: 354
 Ion Ratio Lower Upper
 75 100
 110 33.9 19.7 59.1
 77 38.7 26.3 39.5





#37

Ethyl Acetate

Concen: 779.873 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

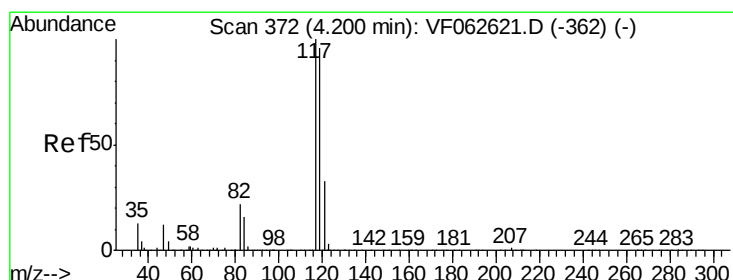
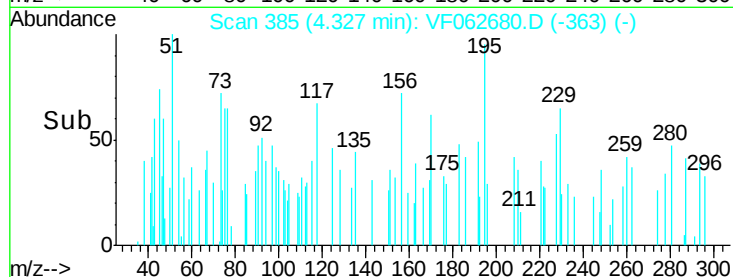
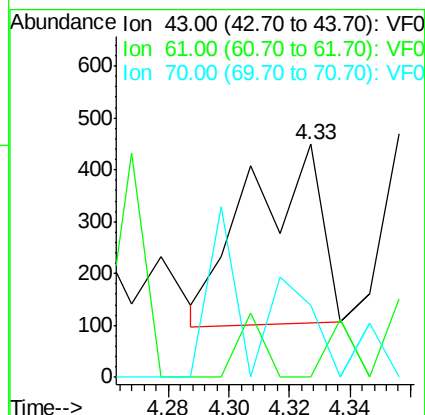
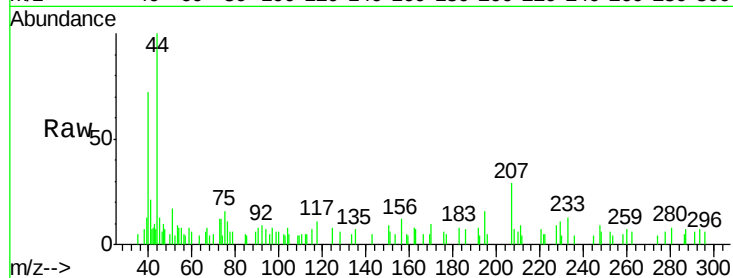
Tot Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

61 0.0 76.9 115.3#

70 31.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 410.045 ug/l

RT: 4.19 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

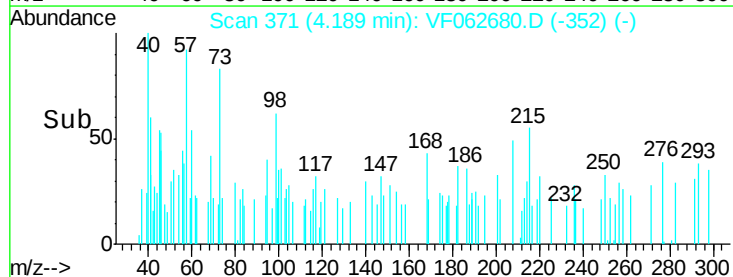
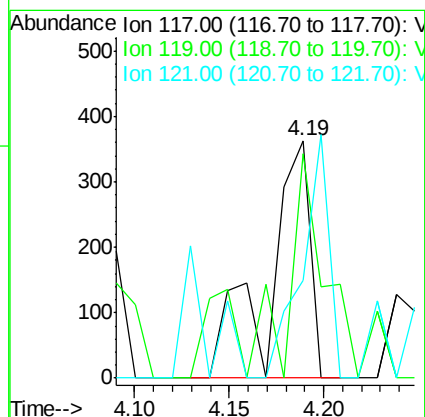
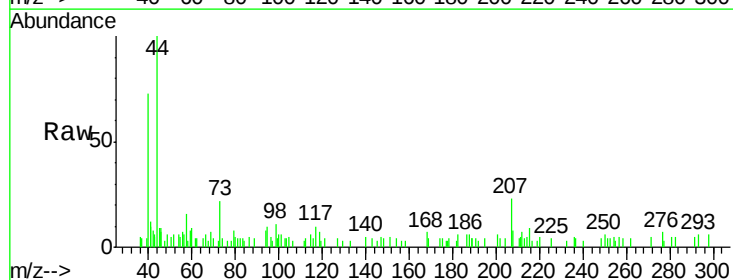
Tgt Ion: 117 Resp: 553

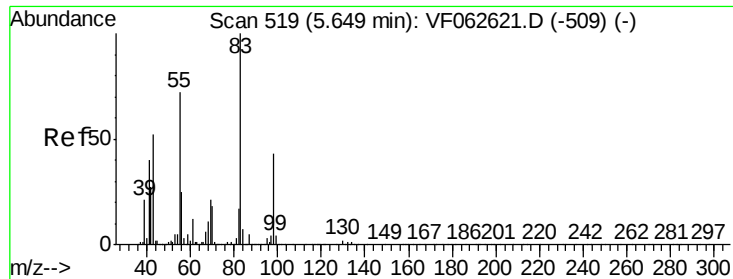
Ion Ratio Lower Upper

117 100

119 94.8 76.7 115.1

121 41.3 26.6 40.0#

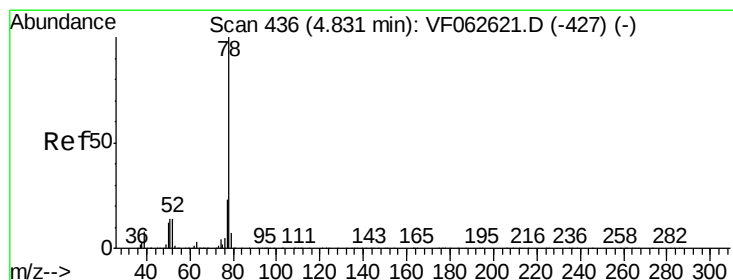
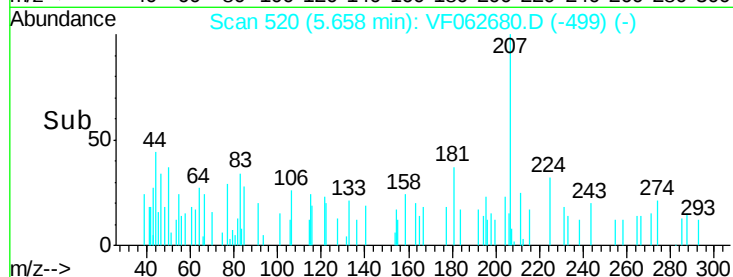
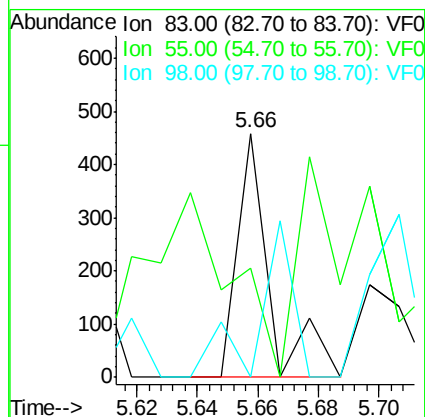
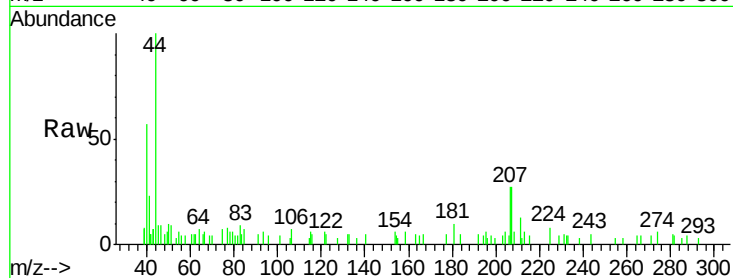




#39
Methvlcvclohexane
Concen: 156.186 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

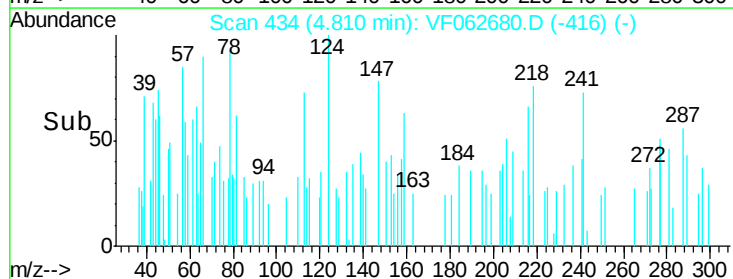
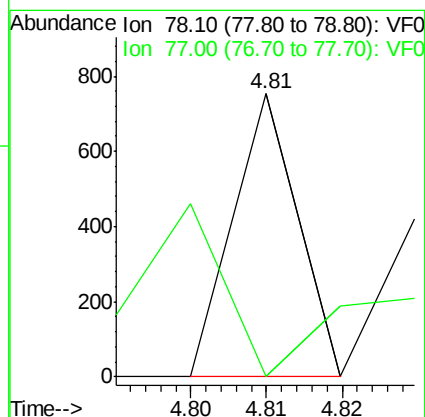
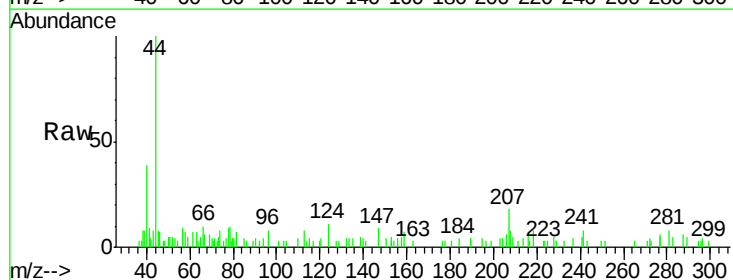
Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

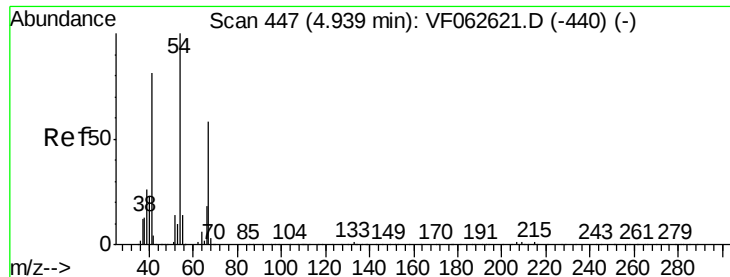
Tot Ion: 83 Resp: 337
Ion Ratio Lower Upper
83 100
55 44.8 57.9 86.9#
98 0.0 34.6 52.0#



#40
Benzene
Concen: 91.092 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 78 Resp: 445
Ion Ratio Lower Upper
78 100
77 0.0 18.2 27.2#





#41

Methacrylonitrile

Concen: 3938.971 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.03 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

TP-11-S2

Tot Ion: 41 Resp: 1512

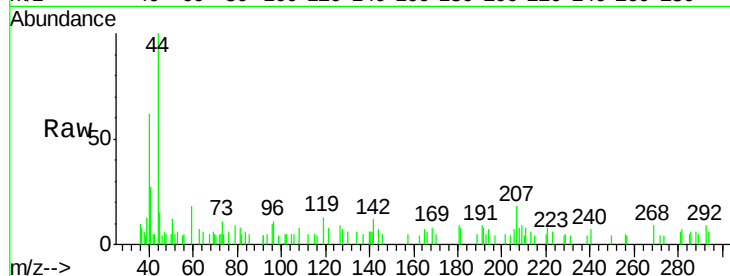
Ion Ratio Lower Upper

41 100

39 49.1 42.2 63.2

67 18.4 56.4 84.6#

52 0.0 38.8 58.2#

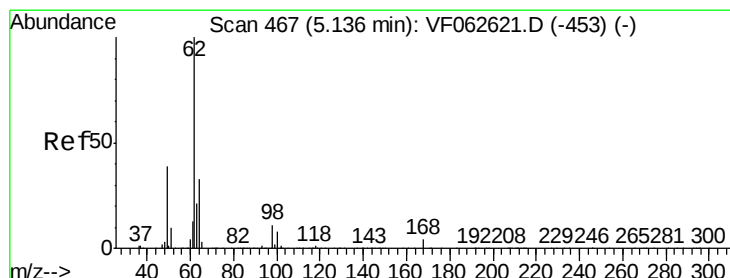
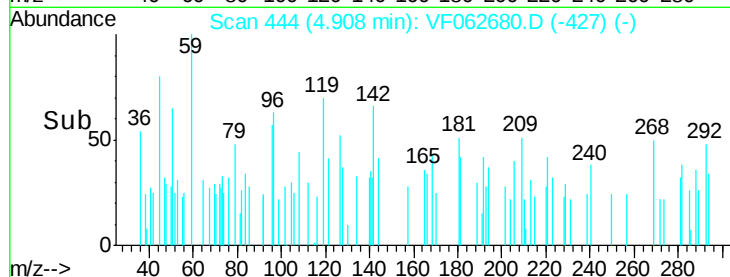
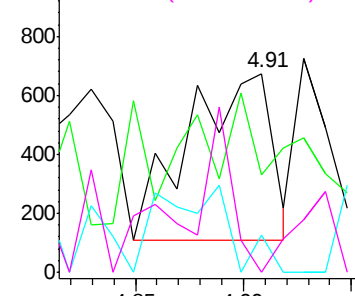


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 215.565 ug/l

RT: 5.14 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062680.D

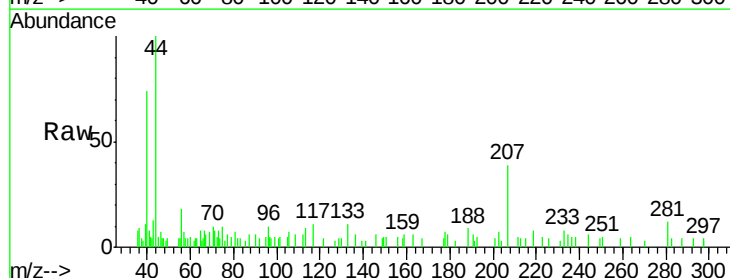
Acq: 21 May 2019 13:54

Tgt Ion: 62 Resp: 210

Ion Ratio Lower Upper

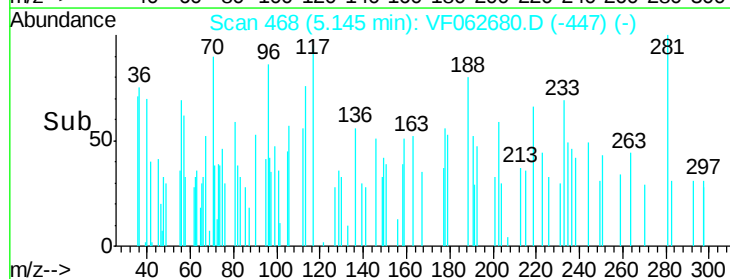
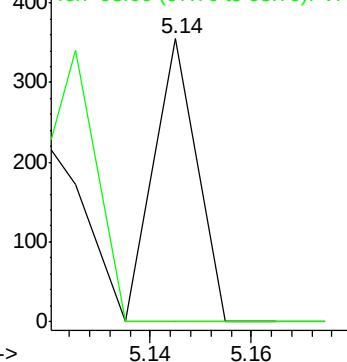
62 100

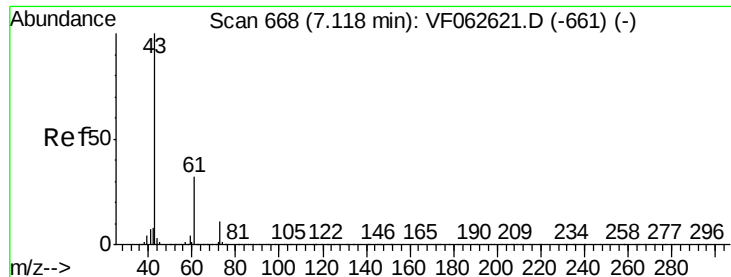
98 0.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



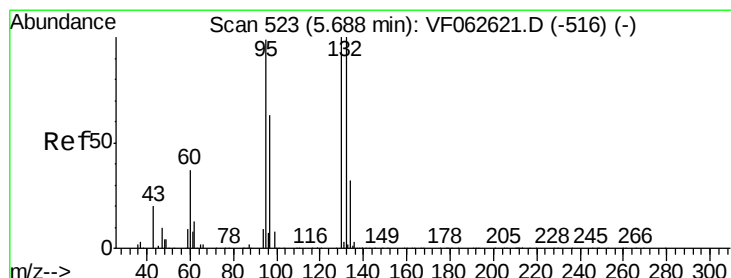
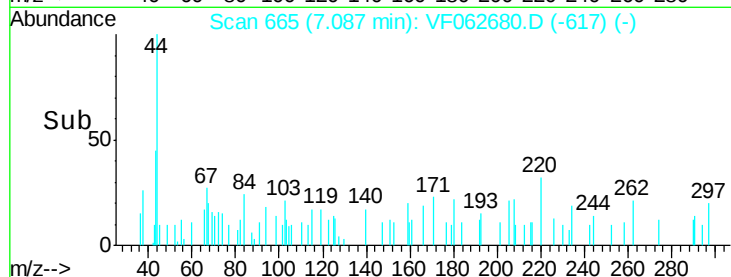
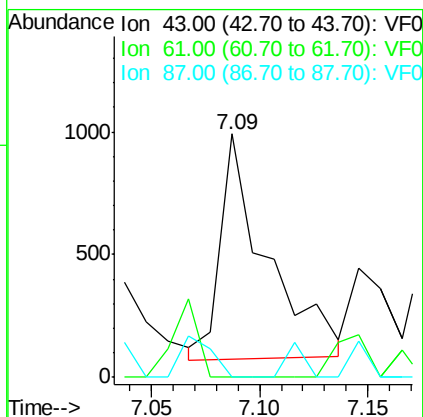
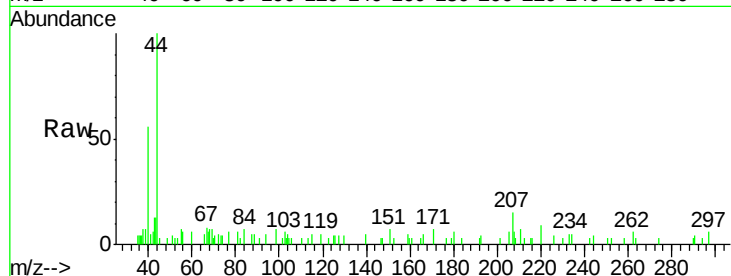


#43

Isopropyl Acetate
 Concen: 1458.008 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-11-S2

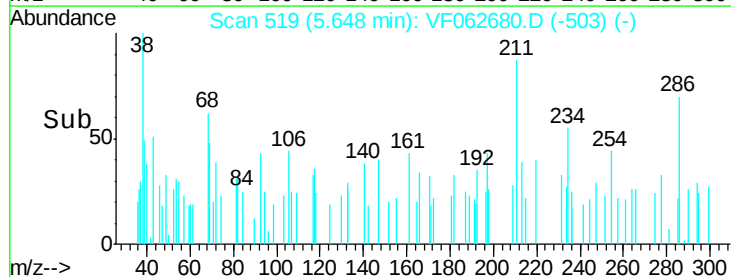
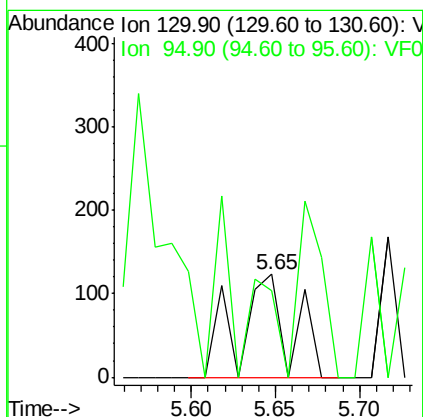
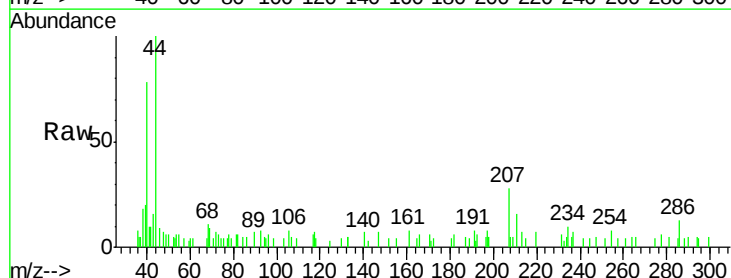
Tot Ion: 43 Resp: 1383
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.8 38.8#
 87 19.4 0.4 0.6#

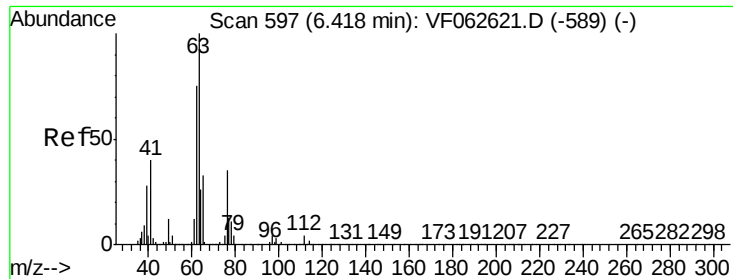


#44

Trichloroethene
 Concen: 191.551 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.04 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion: 130 Resp: 263
 Ion Ratio Lower Upper
 130 100
 95 84.6 0.0 199.4

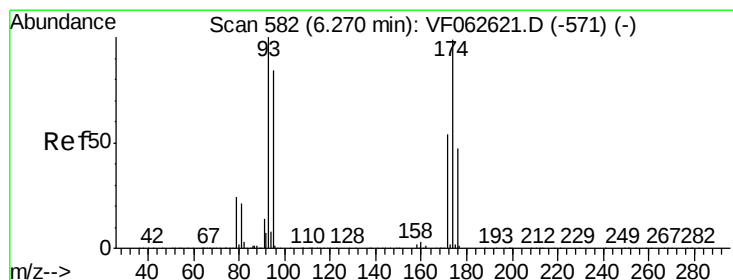
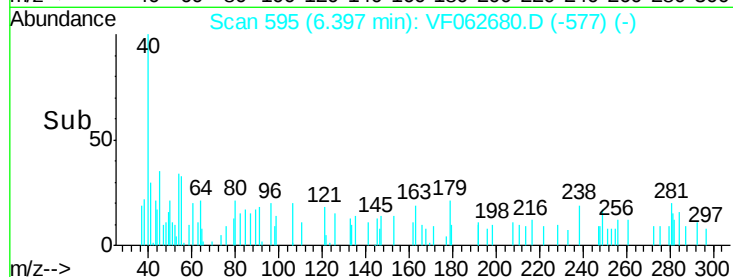
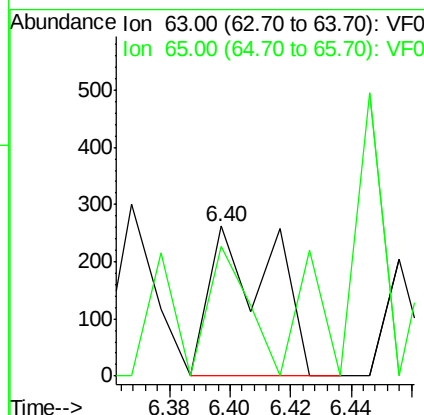
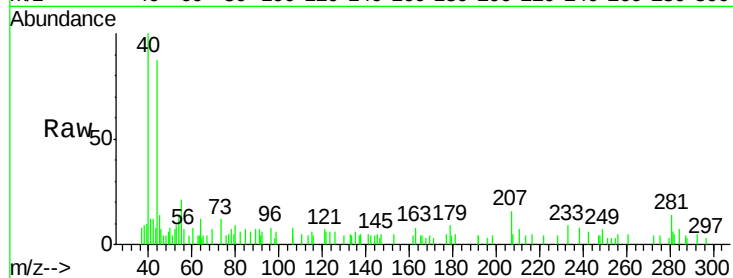




#45
 1,2-Dichloropropane
 Concen: 303.277 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

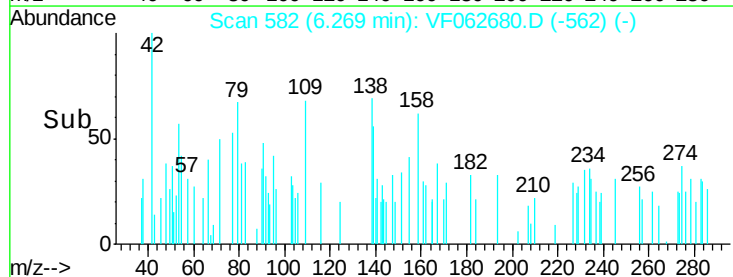
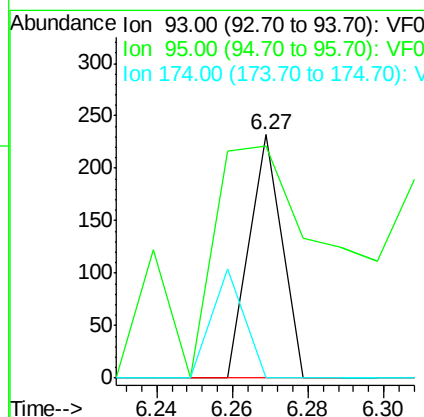
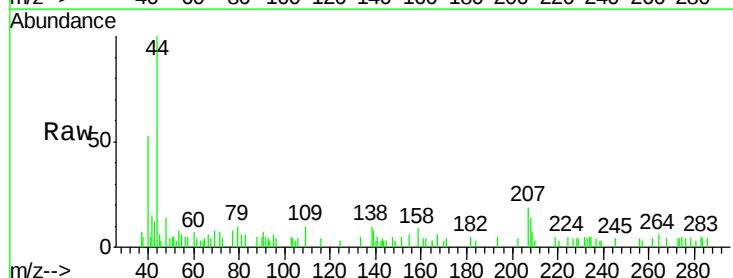
Instrument :
 MSVOA_F
 ClientSampled :
 TP-11-S2

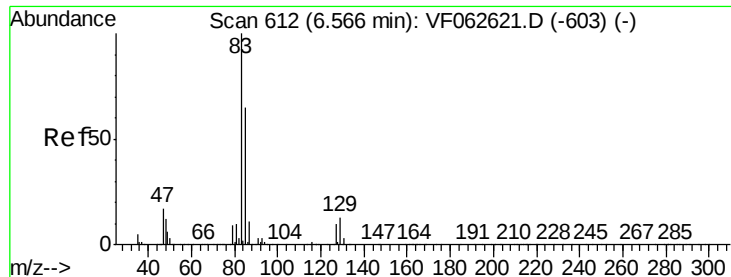
Tot Ion: 63 Resp: 374
 Ion Ratio Lower Upper
 63 100
 65 86.3 26.3 39.5#



#46
 Dibromomethane
 Concen: 192.228 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion: 93 Resp: 137
 Ion Ratio Lower Upper
 93 100
 95 95.3 67.4 101.2
 174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 330.503 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

TP-11-S2

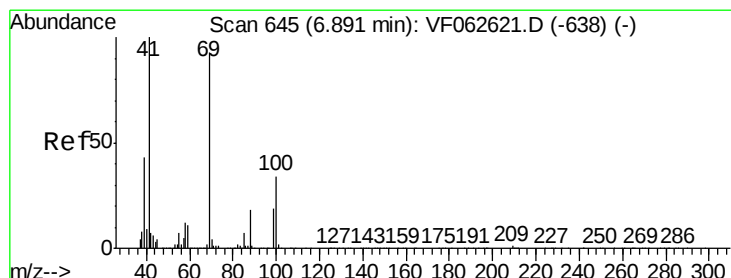
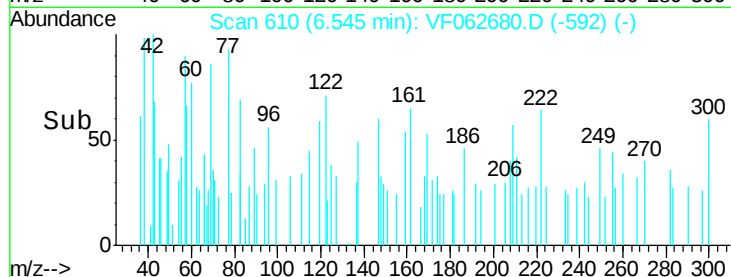
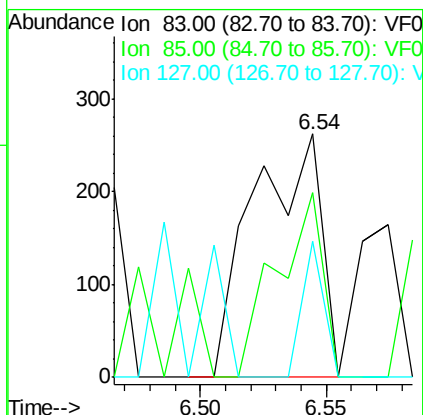
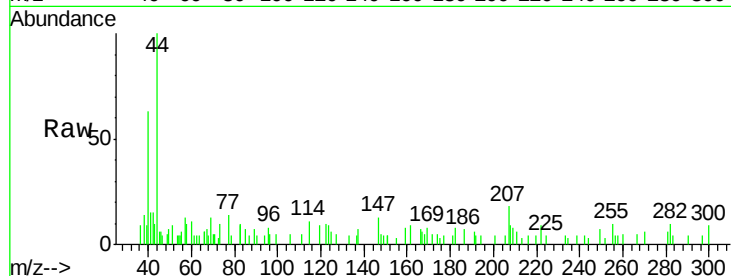
Tot Ion: 83 Resp: 489

Ion Ratio Lower Upper

83 100

85 76.0 52.0 78.0

127 55.7 7.7 11.5#



#48

Methyl methacrylate

Concen: 752.330 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.05 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

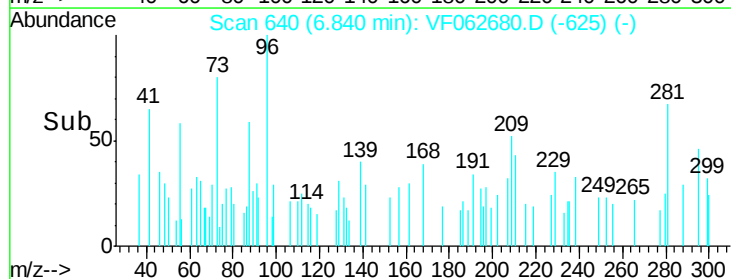
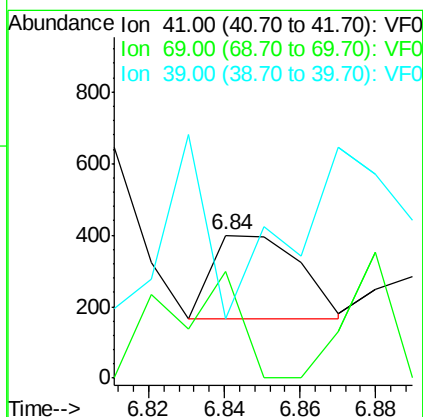
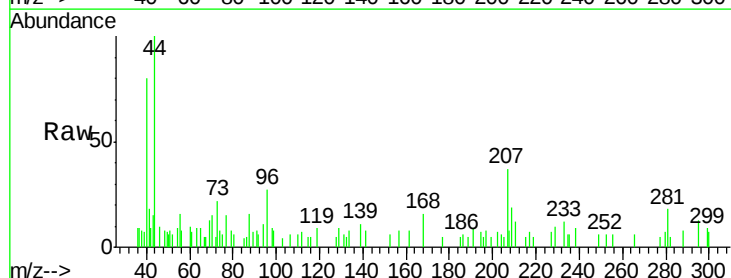
Tgt Ion: 41 Resp: 373

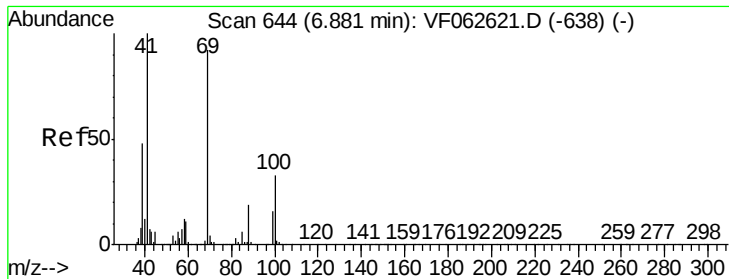
Ion Ratio Lower Upper

41 100

69 74.3 74.2 111.2

39 41.8 34.2 51.4

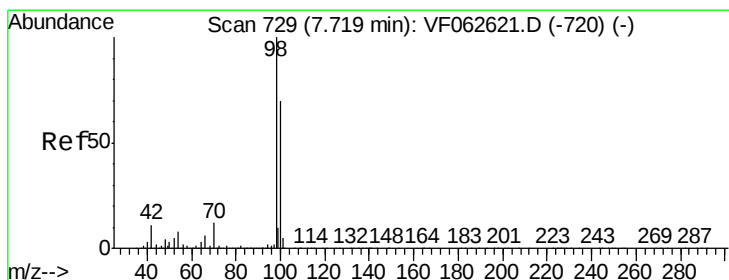
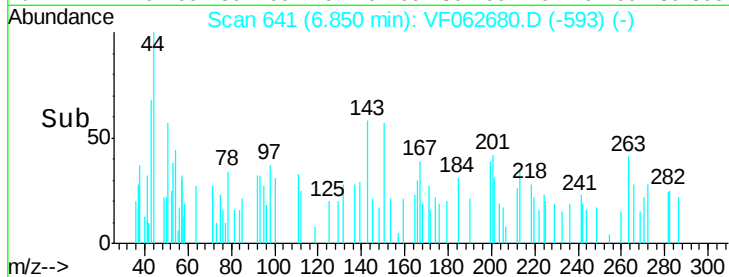
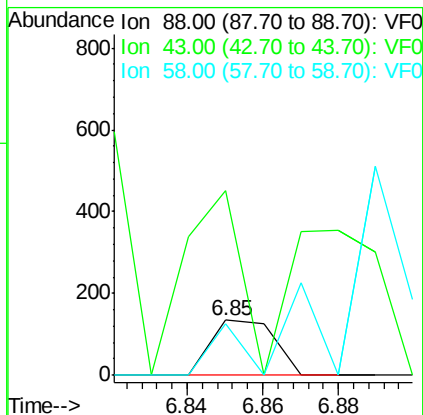
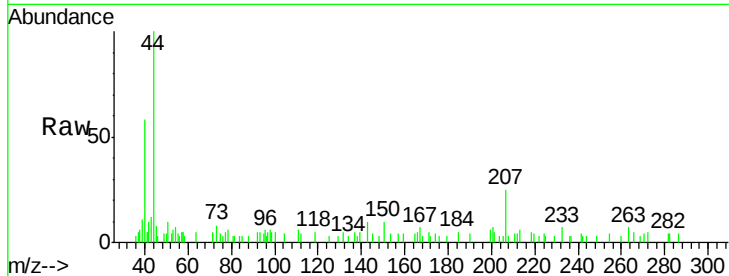




#49
1,4-Dioxane
Concen: 24251.656 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

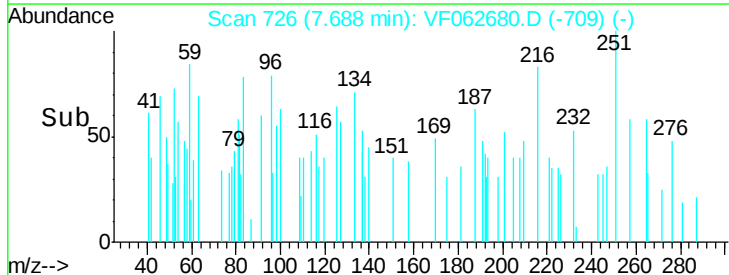
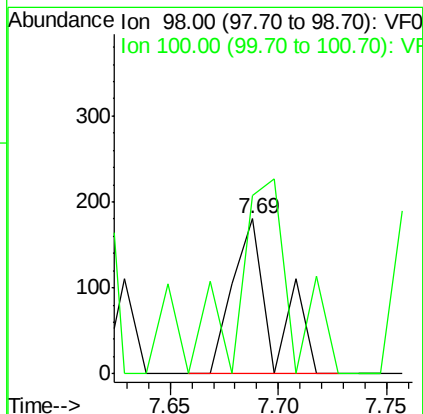
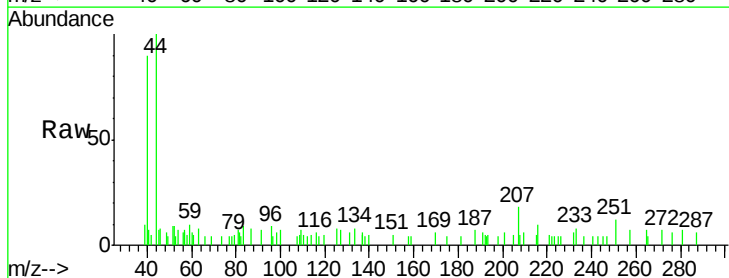
Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

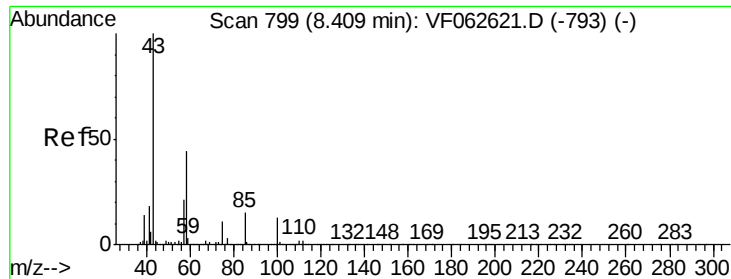
Tot Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 336.6 30.0 45.0#
58 94.8 51.1 76.7#



#50
Toluene-d8
Concen: 73.187 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.03 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 98 Resp: 234
Ion Ratio Lower Upper
98 100
100 115.6 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 857.531 ug/l

RT: 8.46 min Scan# 804

Delta R.T. 0.05 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

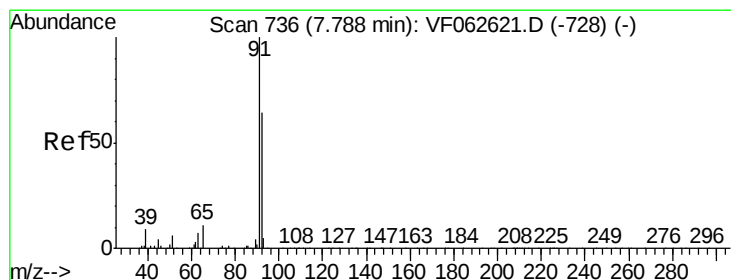
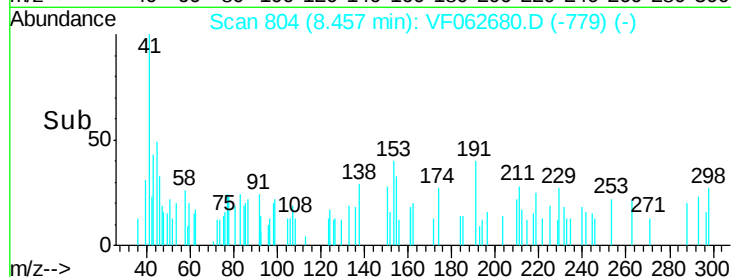
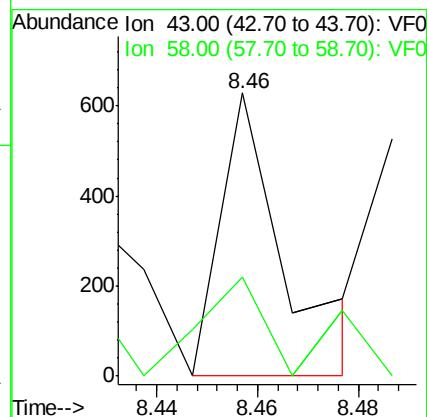
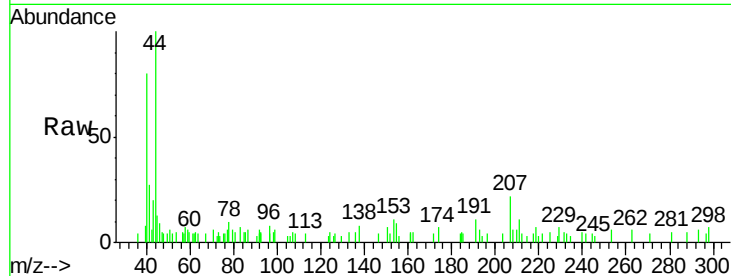
TP-11-S2

Tot Ion: 43 Resp: 556

Ion Ratio Lower Upper

43 100

58 35.0 34.9 52.3



#52

Toluene

Concen: 53.473 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062680.D

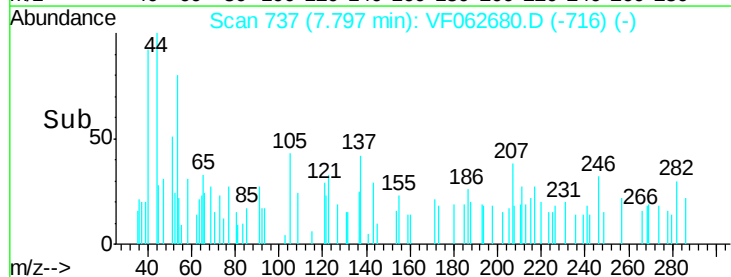
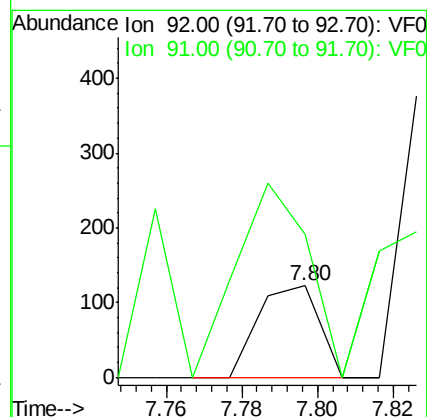
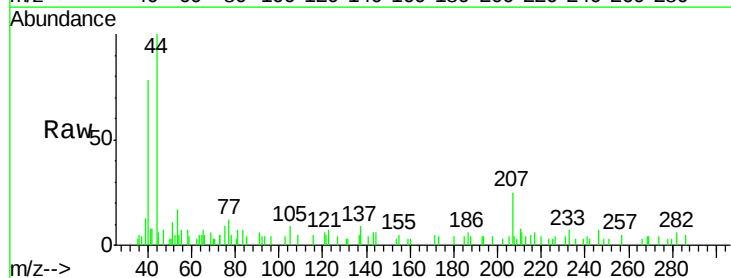
Acq: 21 May 2019 13:54

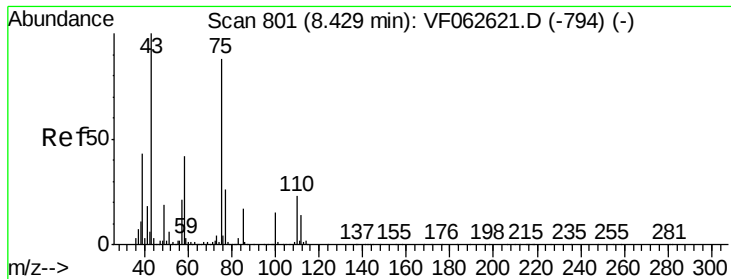
Tgt Ion: 92 Resp: 137

Ion Ratio Lower Upper

92 100

91 157.4 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 180.923 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

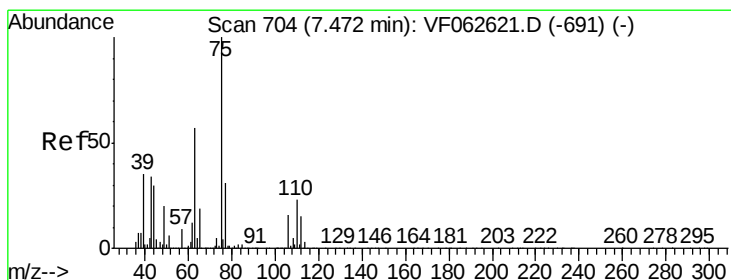
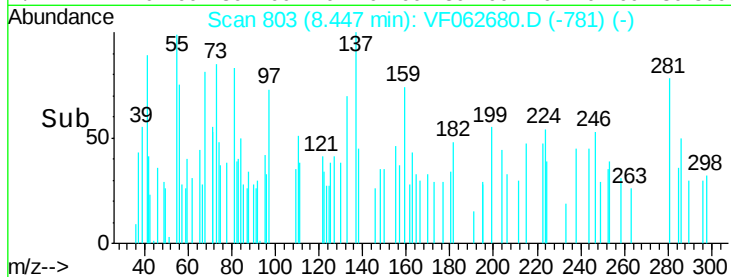
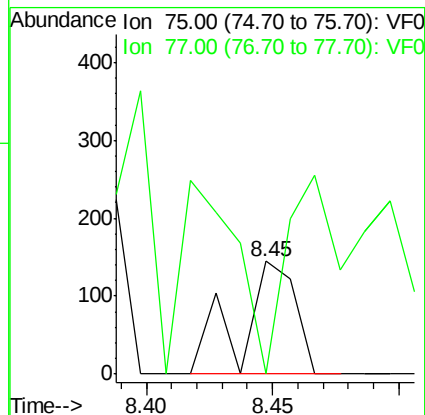
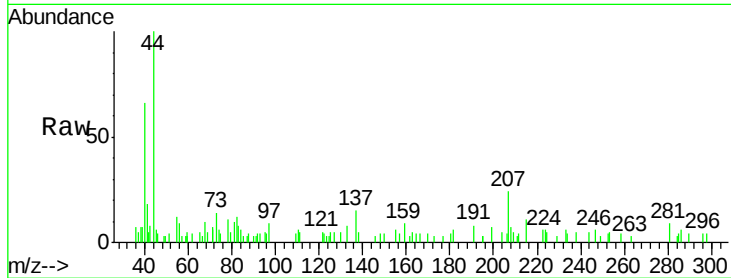
Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

Tot Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.4#



#54

cis-1,3-Dichloropropene

Concen: 324.591 ug/l

RT: 7.40 min Scan# 697

Delta R.T. -0.07 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

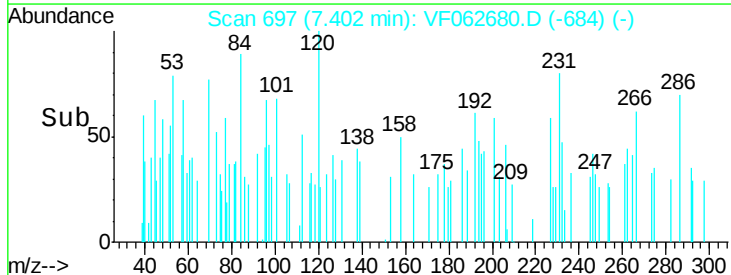
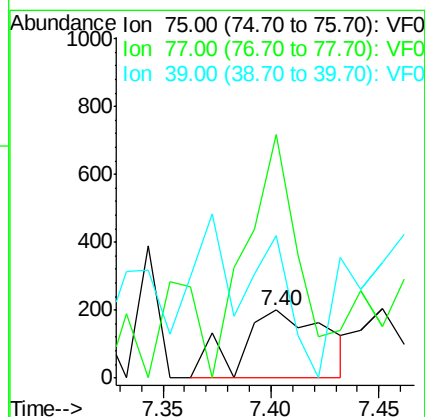
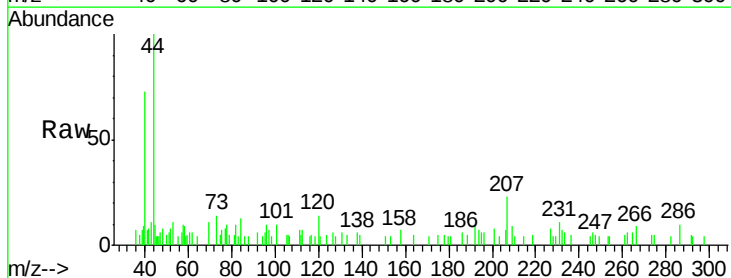
Tgt Ion: 75 Resp: 550

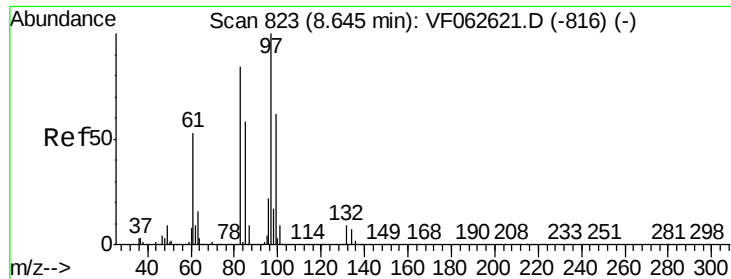
Ion Ratio Lower Upper

75 100

77 358.5 25.3 37.9#

39 209.0 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 85.687 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.03 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

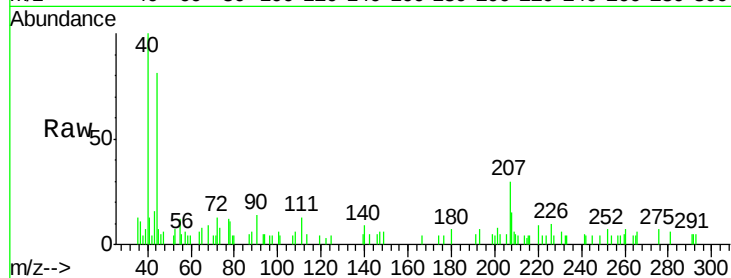
MSVOA_F

ClientSampleId :

TP-11-S2

Tot Ion: 97 Resp: 65

Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.3	100.9#
85	0.0	46.6	69.8#
99	0.0	49.7	74.5#

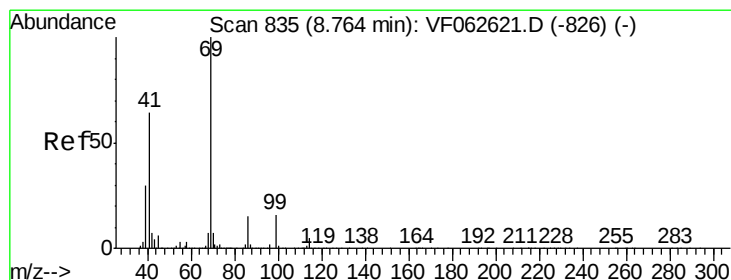
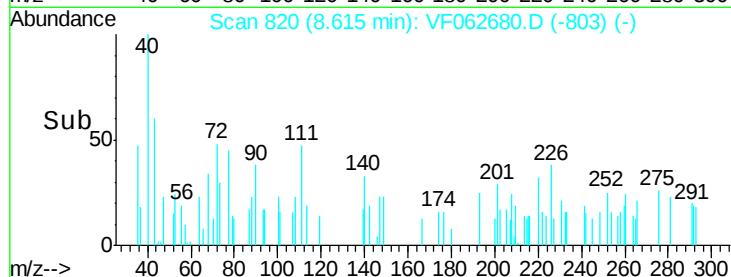
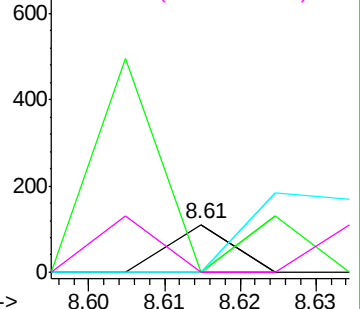


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 223.513 ug/l

RT: 8.74 min Scan# 833

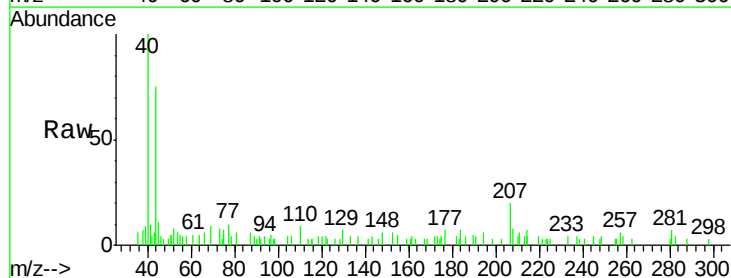
Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Tgt Ion: 69 Resp: 202

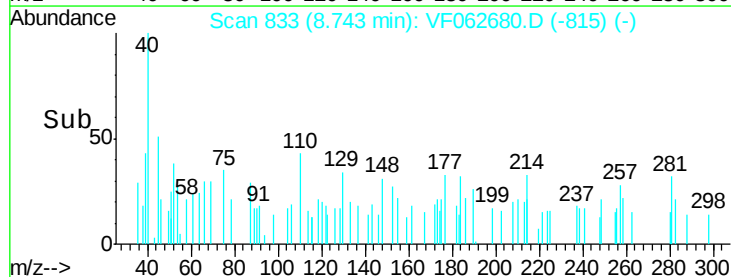
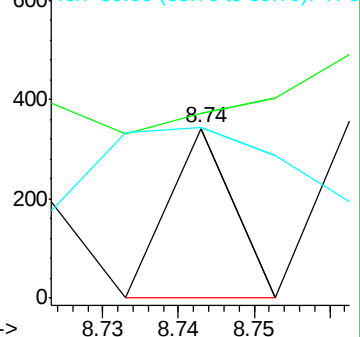
Ion	Ratio	Lower	Upper
69	100		
41	109.1	51.4	77.2#
39	100.9	23.6	35.4#

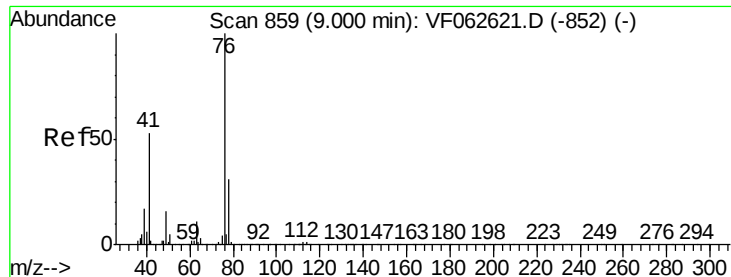


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 289.454 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.04 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

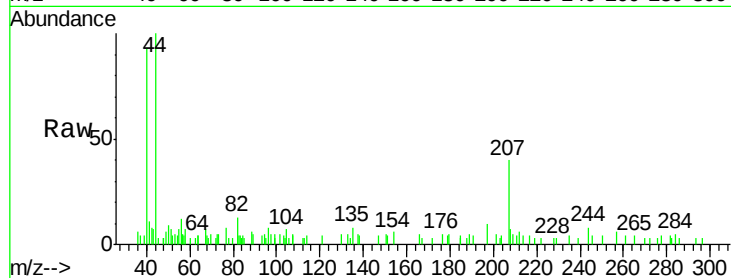
TP-11-S2

Tot Ion: 76 Resp: 374

Ion Ratio Lower Upper

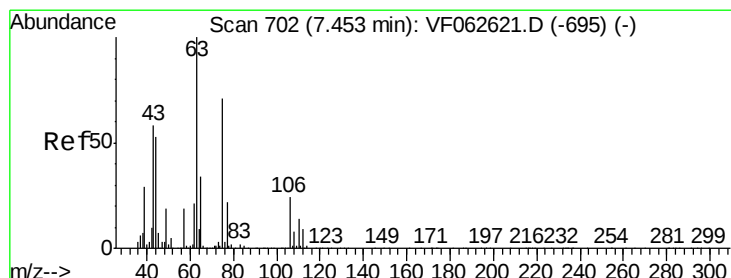
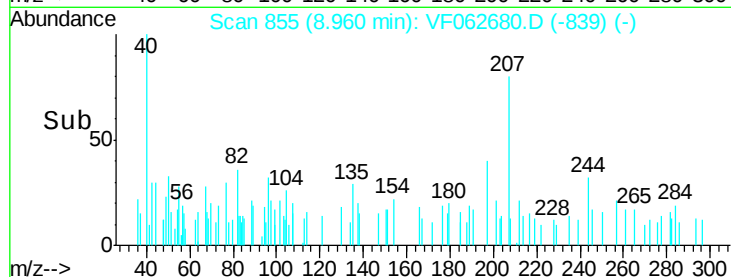
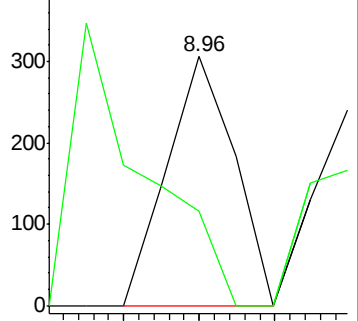
76 100

78 37.9 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 509.906 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF062680.D

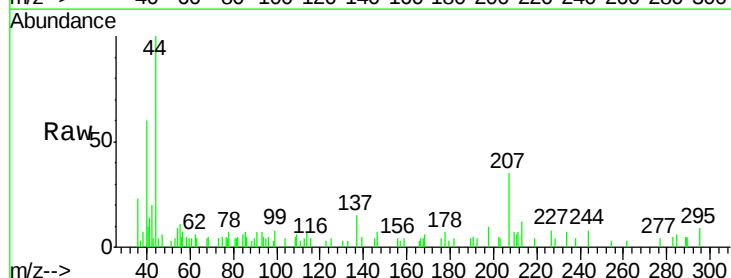
Acq: 21 May 2019 13:54

Tgt Ion: 63 Resp: 150

Ion Ratio Lower Upper

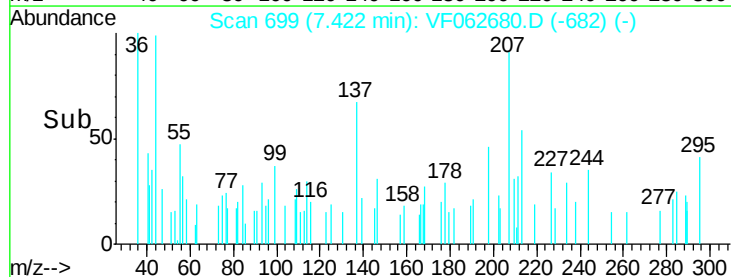
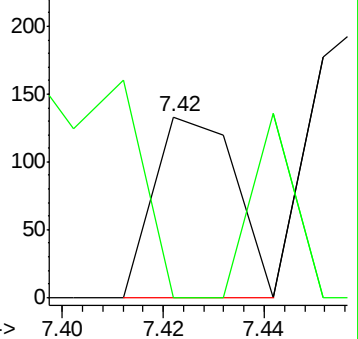
63 100

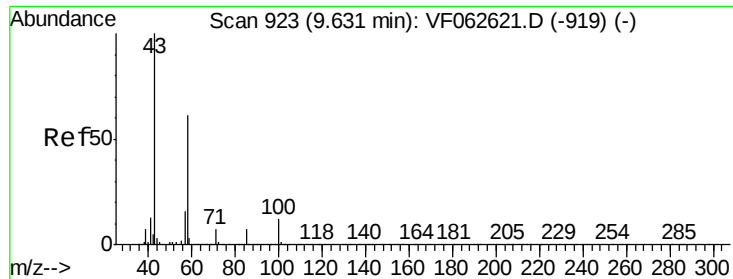
106 0.0 19.1 28.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

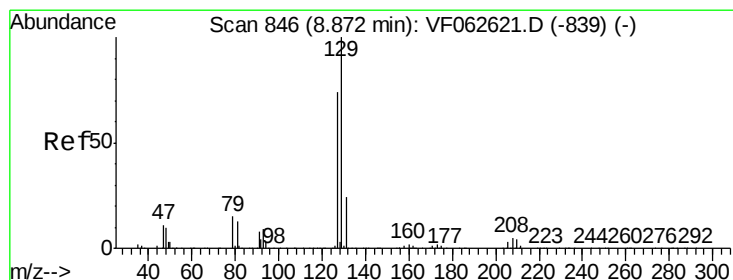
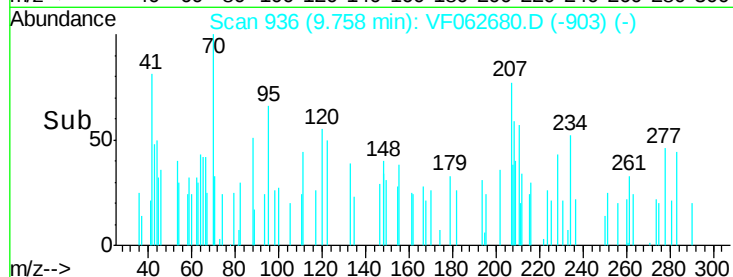
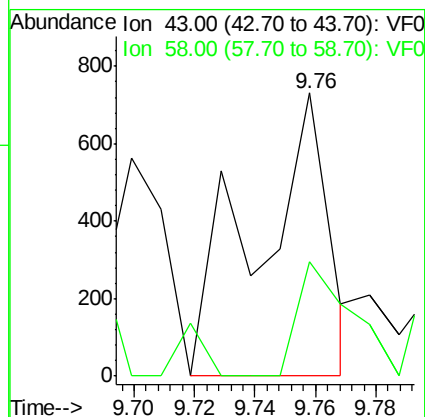
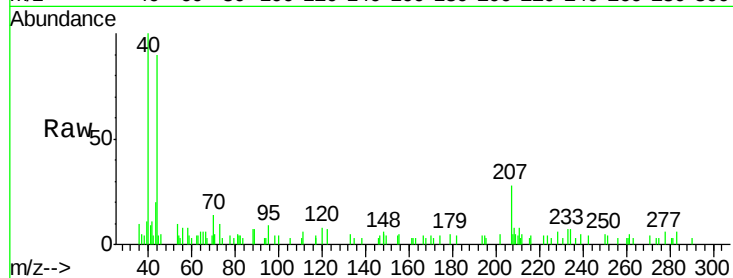




#59
2-Hexanone
Concen: 3059.210 ug/l
RT: 9.76 min Scan# 936
Delta R.T. 0.13 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

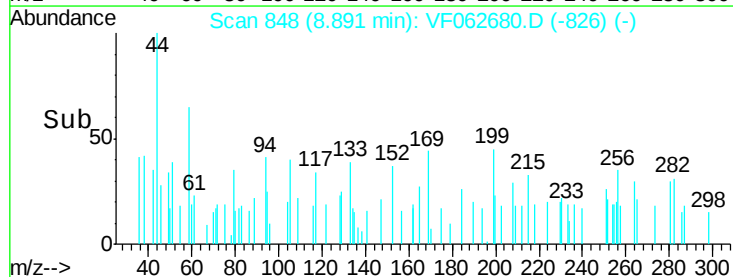
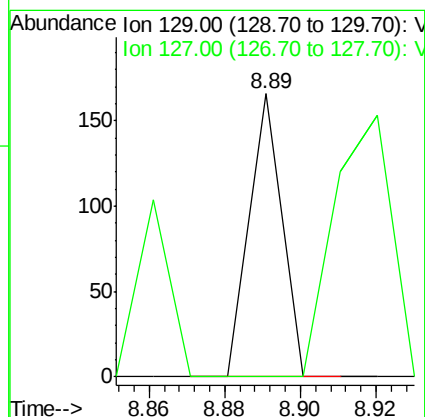
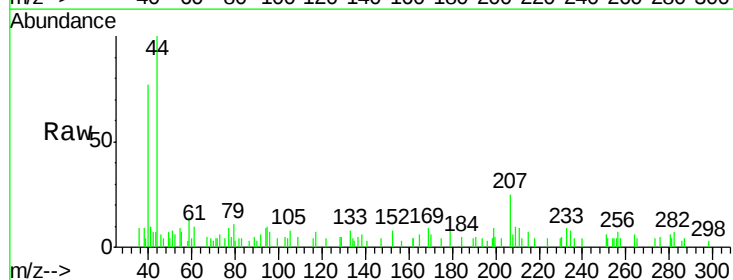
Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

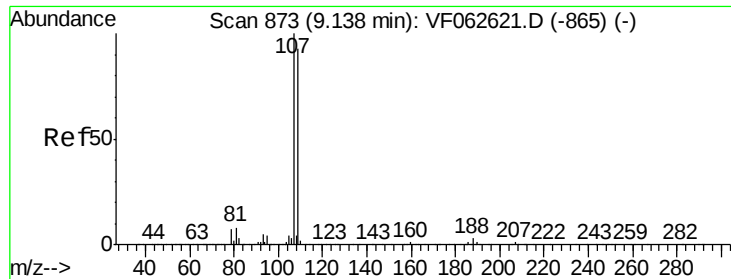
Tot Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
58 40.5 28.1 84.4



#60
Dibromochloromethane
Concen: 99.123 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.02 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 129 Resp: 98
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 88.119 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

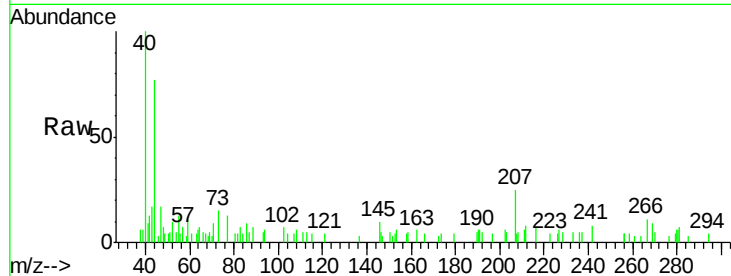
TP-11-S2

Tot Ion: 107 Resp: 71

Ion Ratio Lower Upper

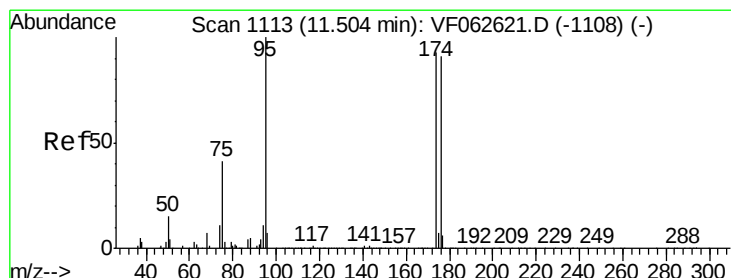
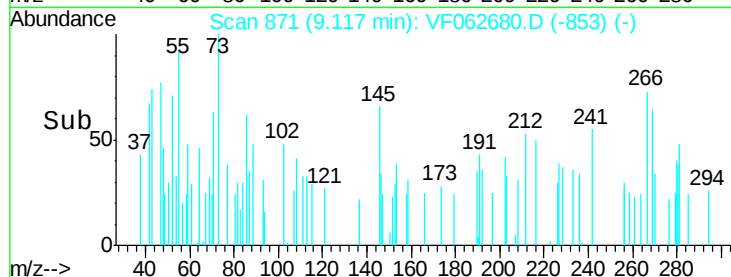
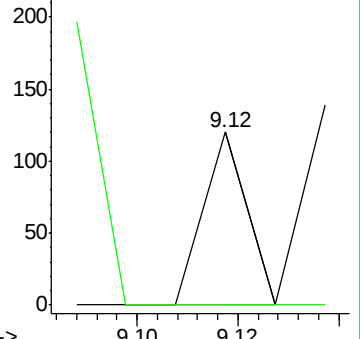
107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 68.447 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

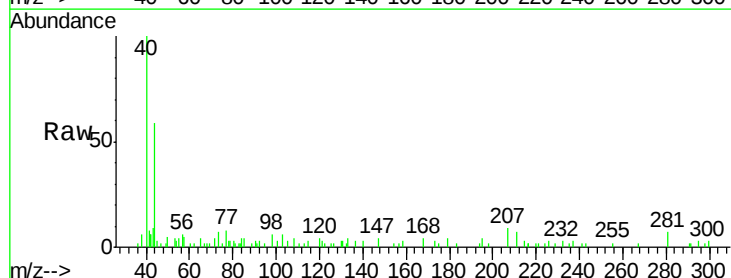
Tgt Ion: 95 Resp: 83

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

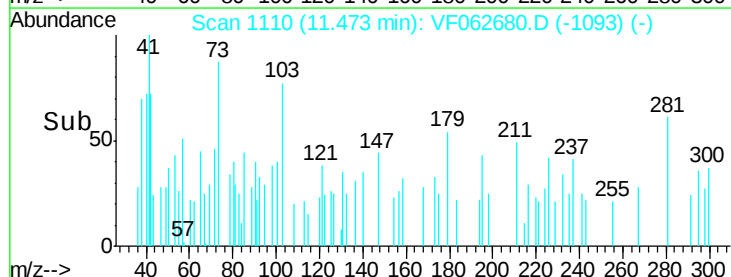
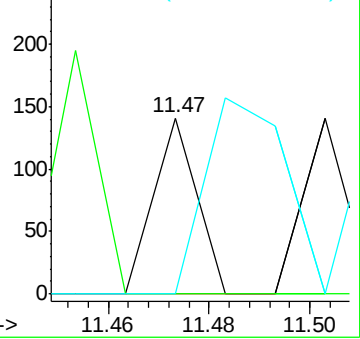
176 0.0 0.0 182.4

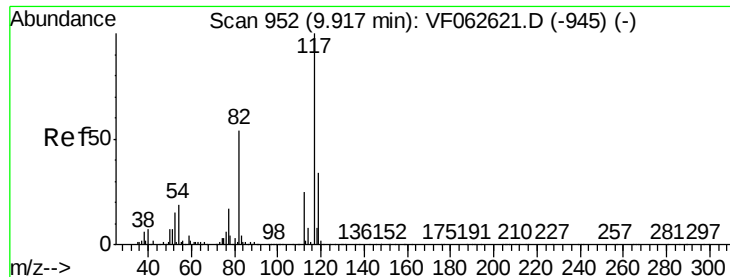


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

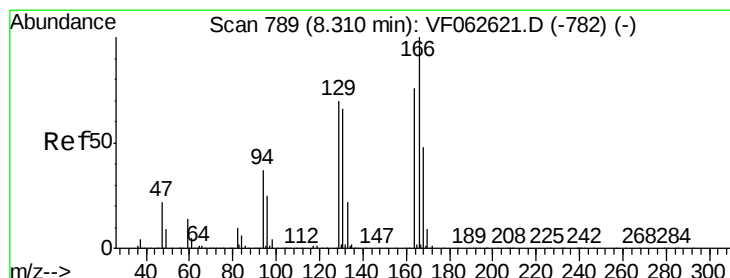
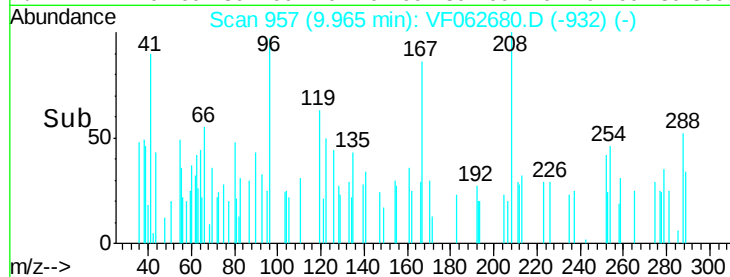
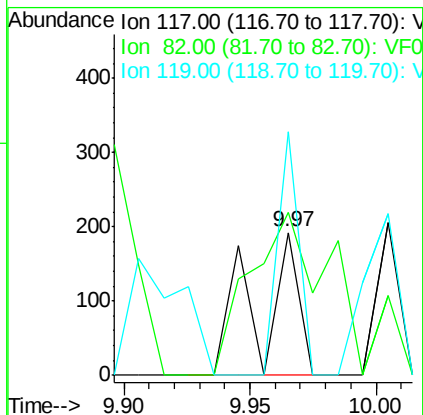
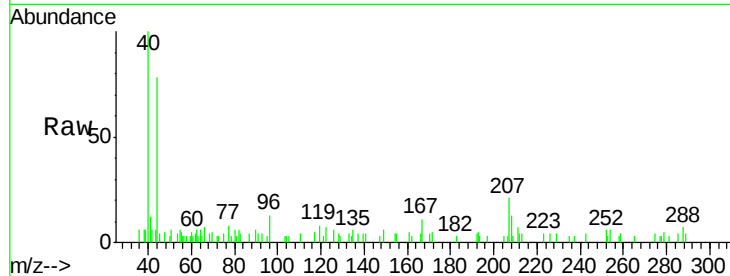




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.97 min Scan# 957
Delta R.T. 0.05 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

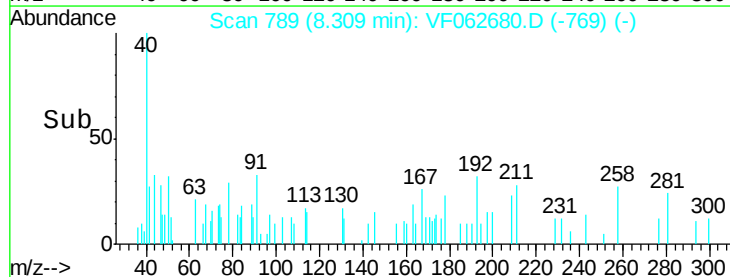
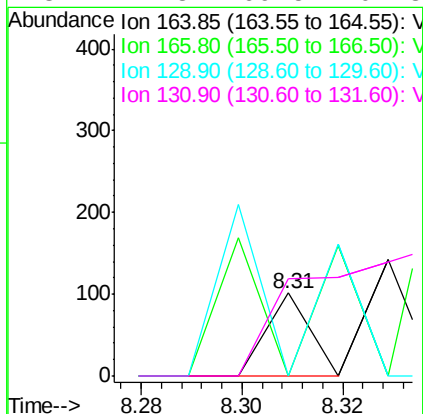
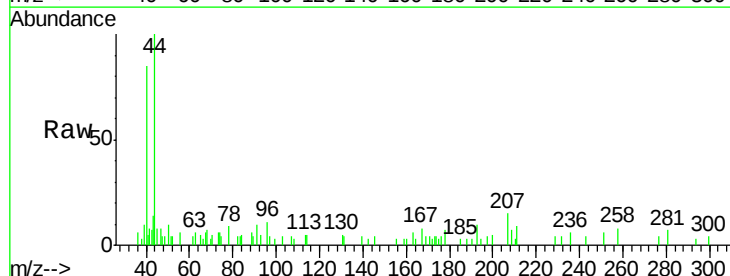
Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

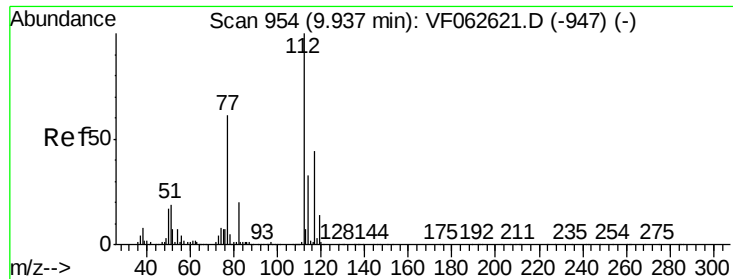
Tot Ion	Ratio	Lower	Upper
117	100		
82	197.9	43.3	64.9#
119	170.8	27.4	41.0#



#64
Tetrachloroethene
Concen: 34.901 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	0.0	73.8	110.6#
131	117.8	69.5	104.3#

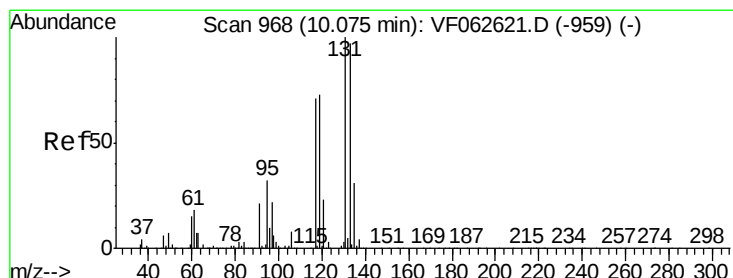
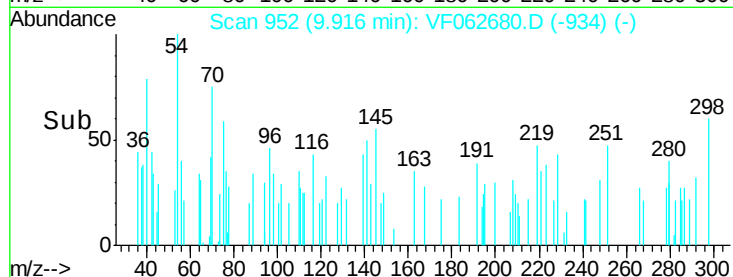
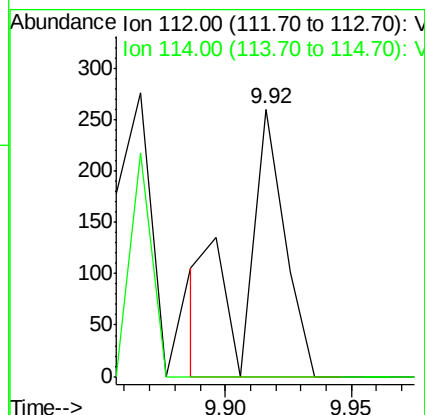
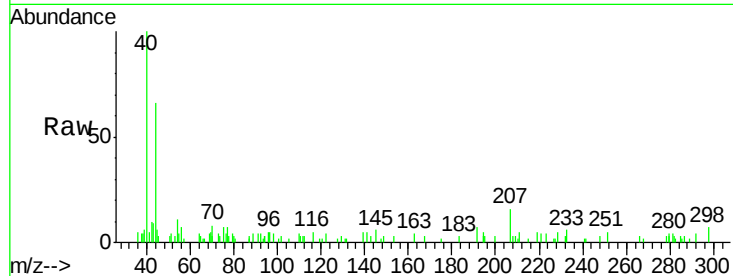




#65
Chlorobenzene
Concen: 68.980 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

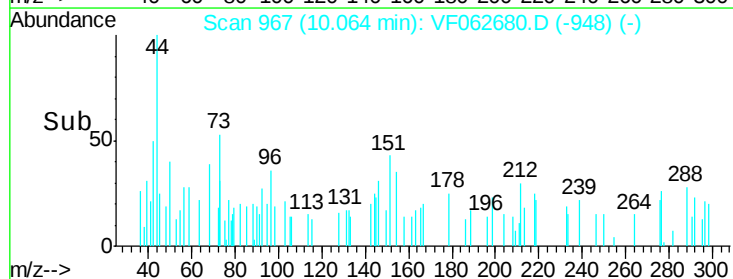
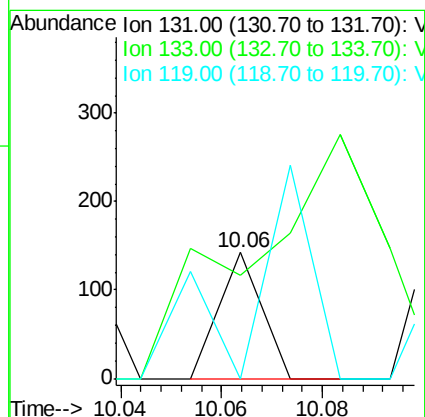
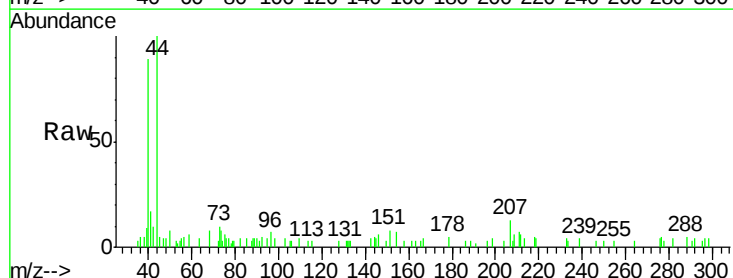
Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

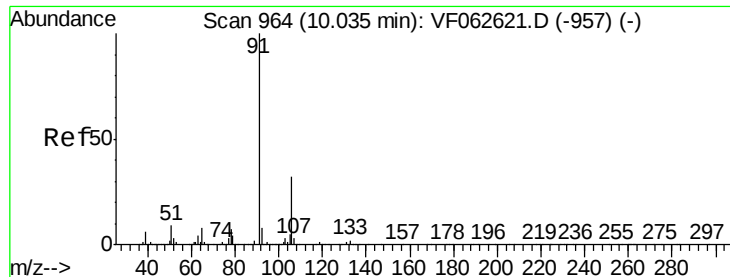
Tot Ion:112 Resp: 294
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 49.094 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion:131 Resp: 84
Ion Ratio Lower Upper
131 100
133 81.7 48.5 145.5
119 0.0 36.8 110.4#

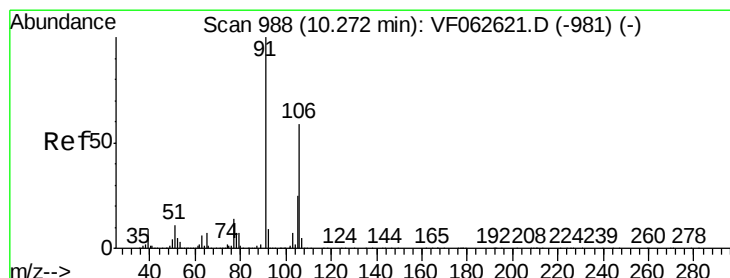
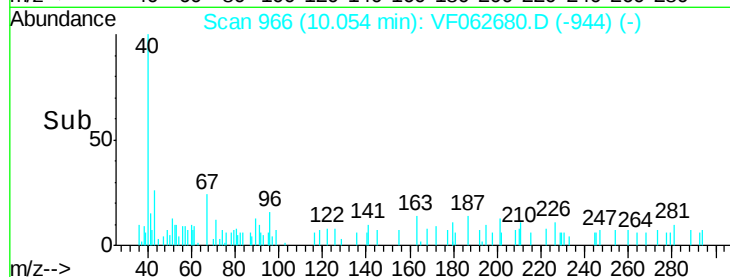
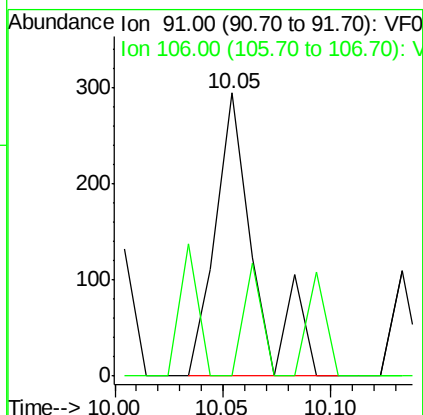
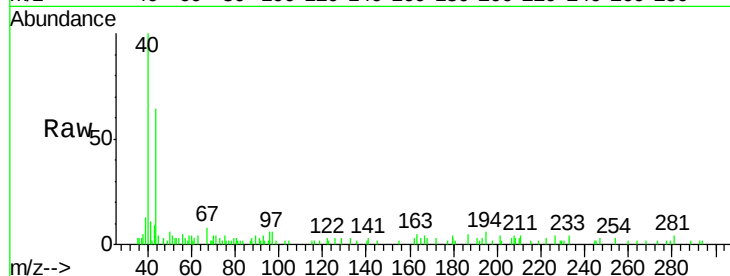




#67
Ethyl Benzene
Concen: 50.512 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.02 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

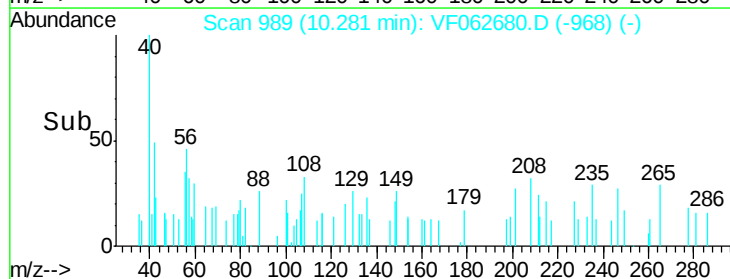
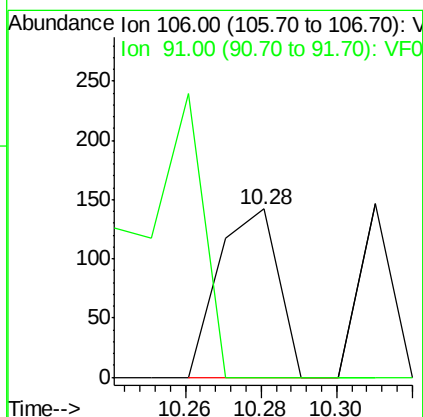
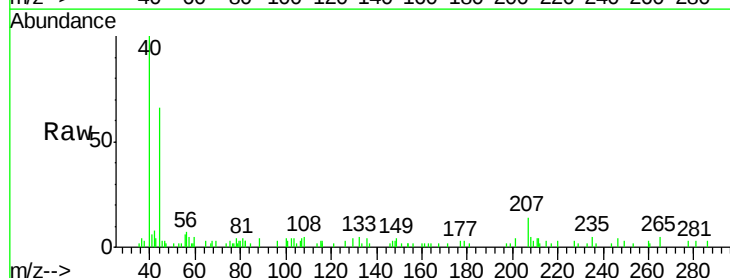
Instrument :
MSVOA_F
ClientSampleId :
TP-11-S2

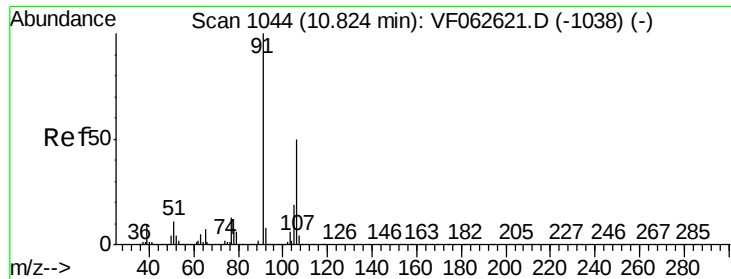
Tot Ion: 91 Resp: 374
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#



#68
m/p-Xylenes
Concen: 54.980 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion: 106 Resp: 153
Ion Ratio Lower Upper
106 100
91 0.0 136.9 205.3#

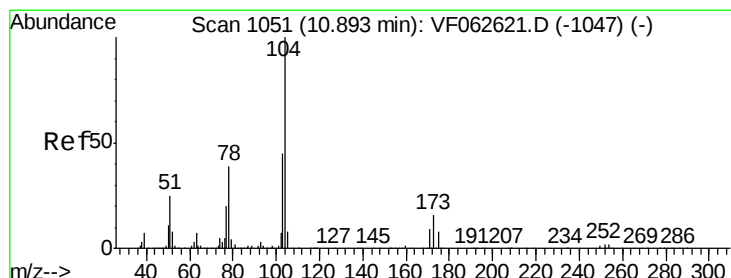
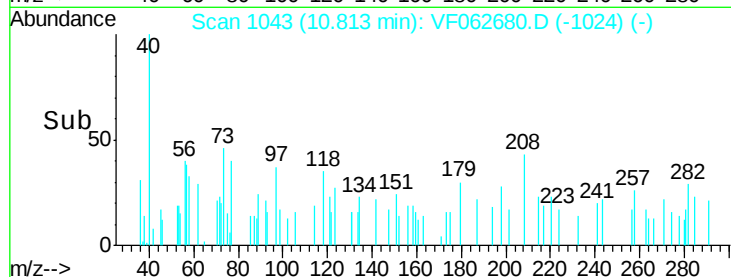
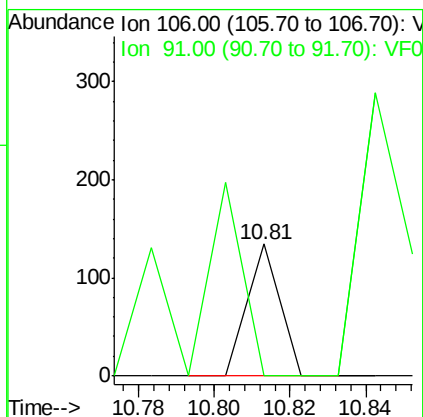
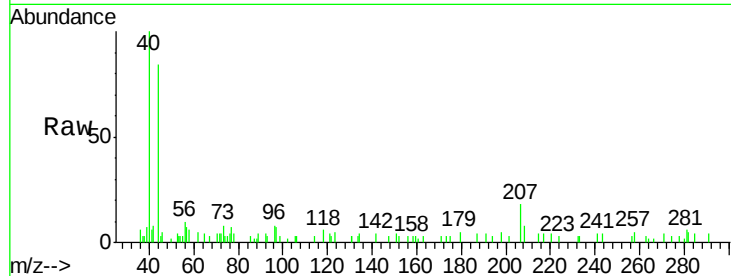




#69
o-Xylene
Concen: 27.561 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

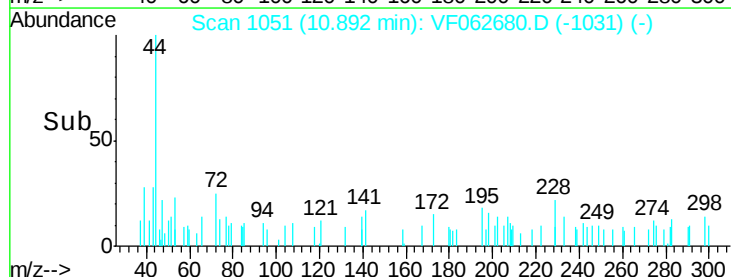
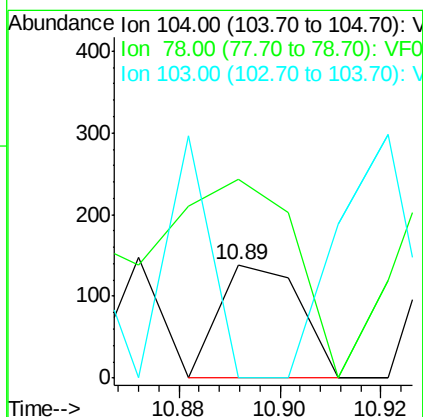
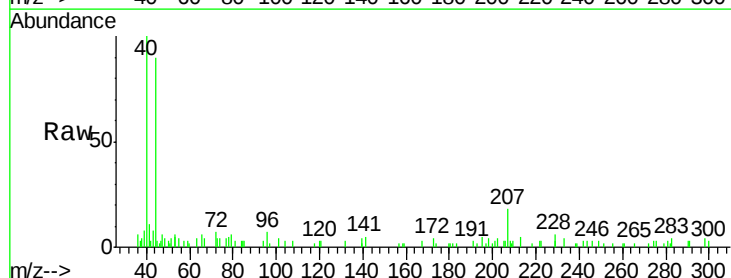
Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

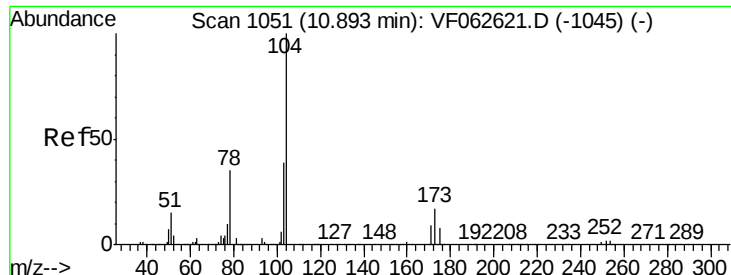
Tot Ion:106 Resp: 79
Ion Ratio Lower Upper
106 100
91 0.0 100.2 300.5#



#70
Styrene
Concen: 35.578 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion:104 Resp: 155
Ion Ratio Lower Upper
104 100
78 174.8 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 168.041 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

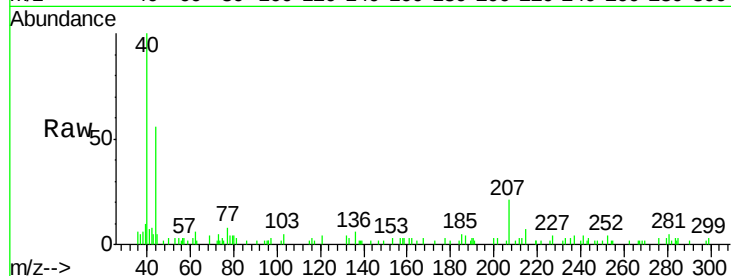
Tot Ion:173 Resp: 144

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

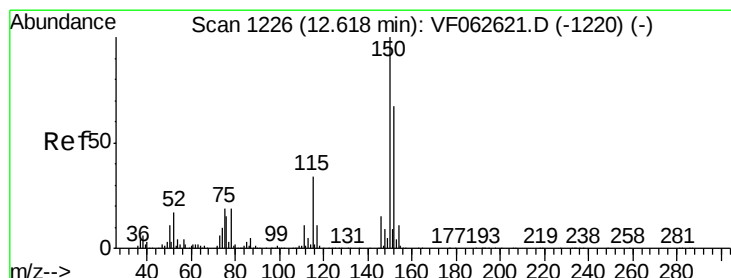
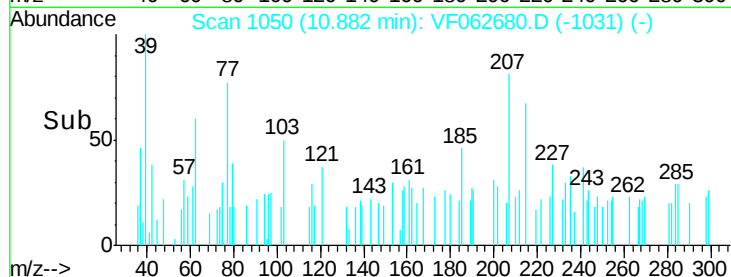
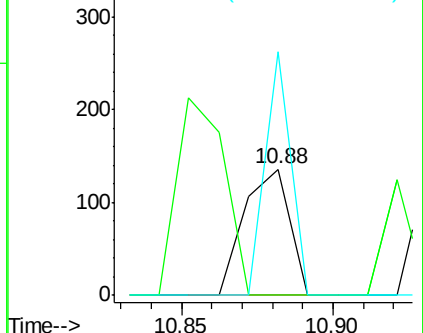
254 192.6 0.2 0.2#



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: 12.76 min Scan# 1241

Delta R.T. 0.15 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

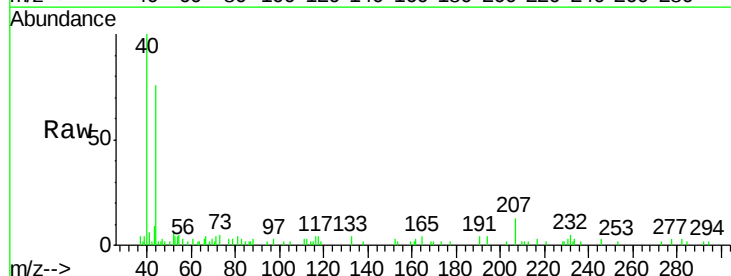
Tgt Ion:152 Resp: 248

Ion Ratio Lower Upper

152 100

115 64.6 25.2 75.6

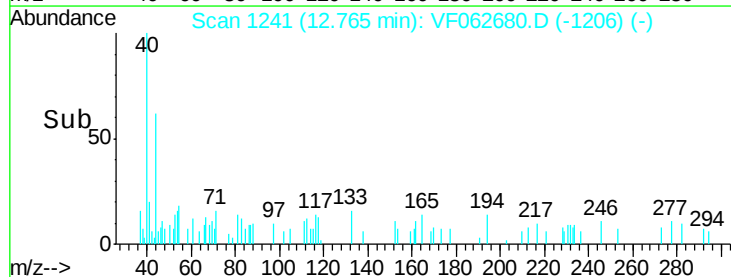
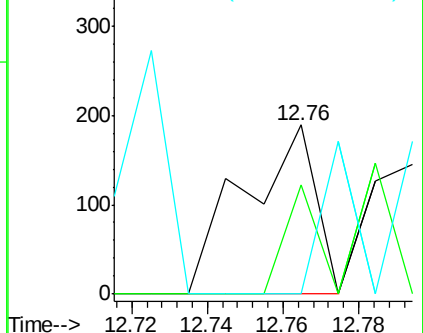
150 0.0 0.0 306.2

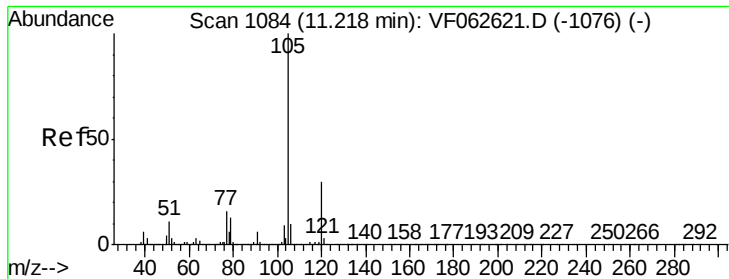


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 29.593 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

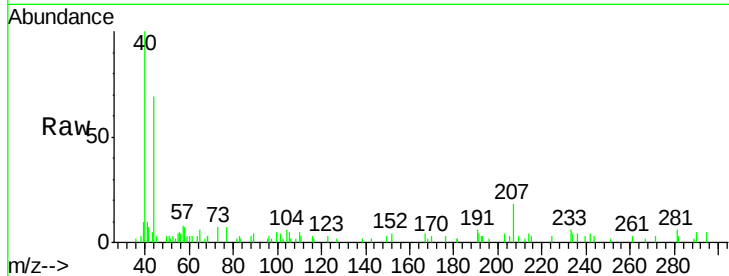
TP-11-S2

Tot Ion:105 Resp: 526

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

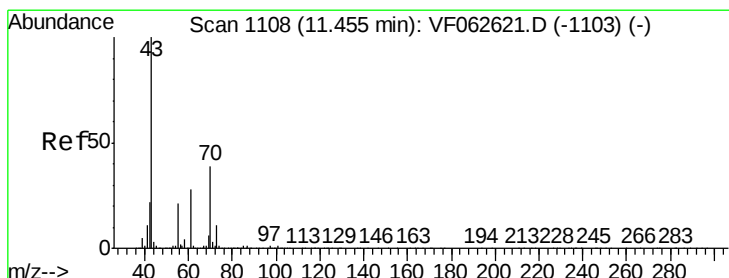
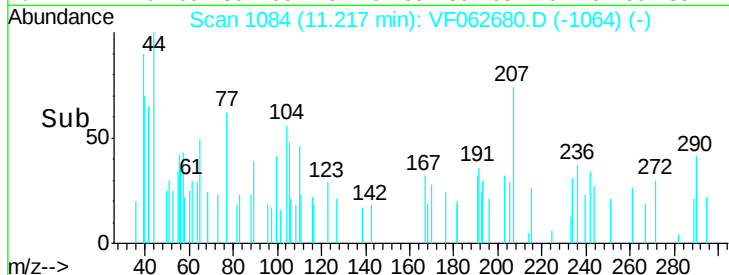
300

200

100

0

Time--> 11.15 11.20 11.25



#74

N-ethyl acetate

Concen: 441.849 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Tgt Ion: 43 Resp: 1807

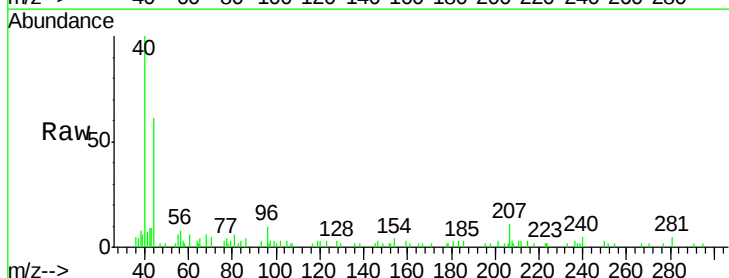
Ion Ratio Lower Upper

43 100

70 49.6 30.9 46.3#

55 62.9 17.0 25.4#

61 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.46

1000

800

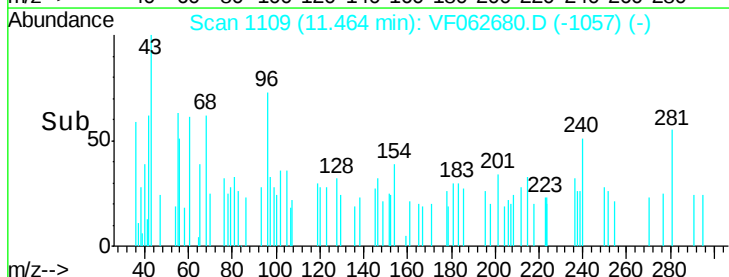
600

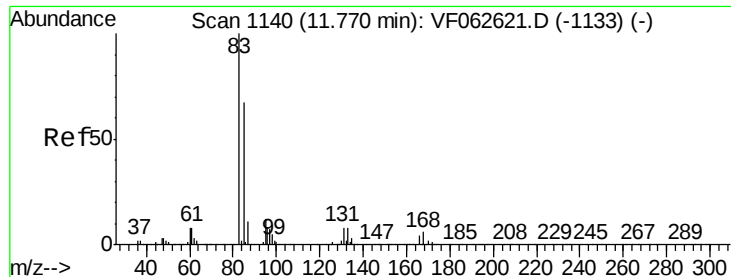
400

200

0

Time--> 11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 29.181 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

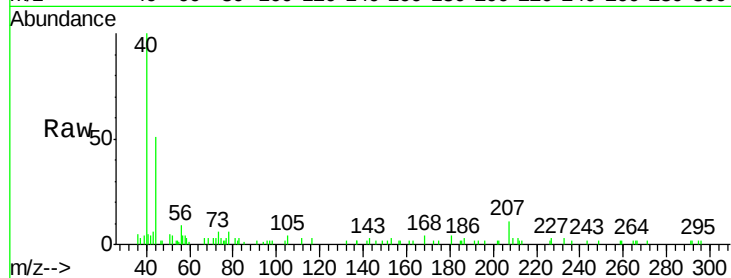
Tot Ion: 83 Resp: 106

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

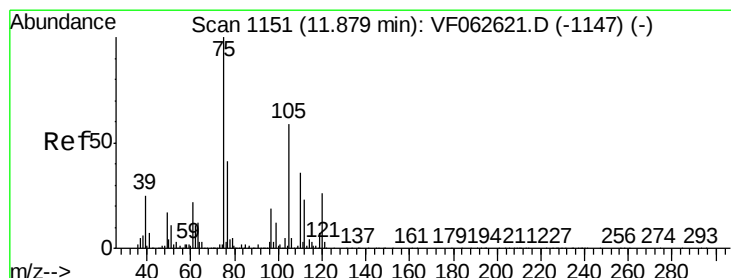
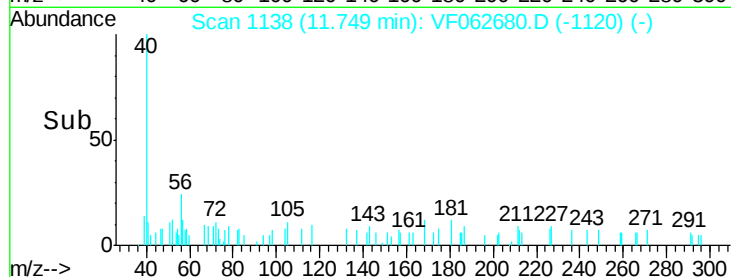
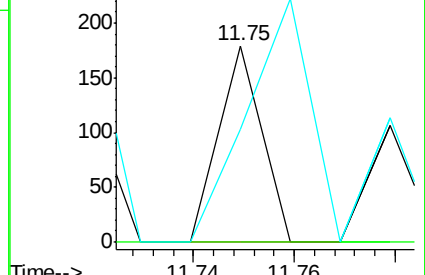
85 57.5 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 149.156 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.10 min

Lab File: VF062680.D

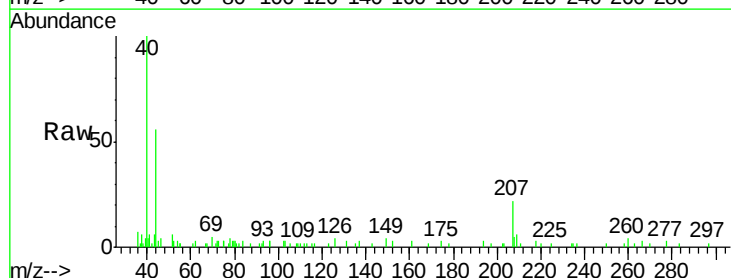
Acq: 21 May 2019 13:54

Tgt Ion: 75 Resp: 356

Ion Ratio Lower Upper

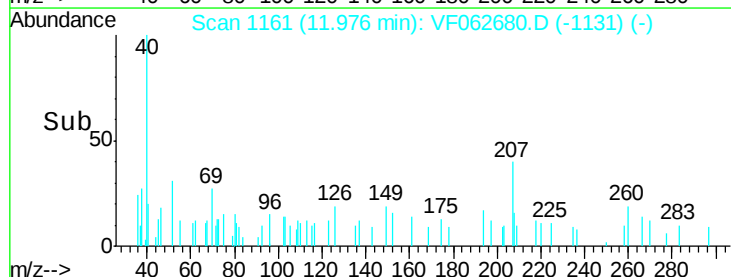
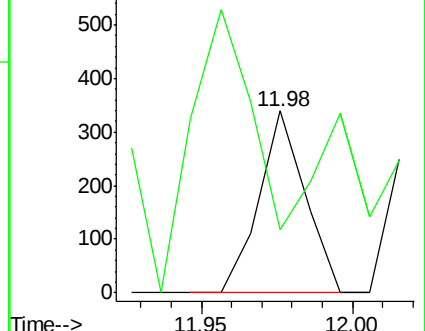
75 100

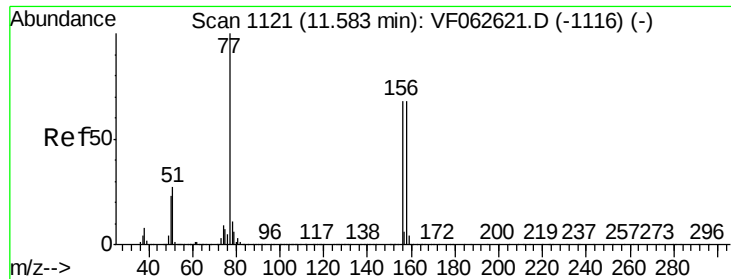
77 35.1 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 18.786 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

TP-11-S2

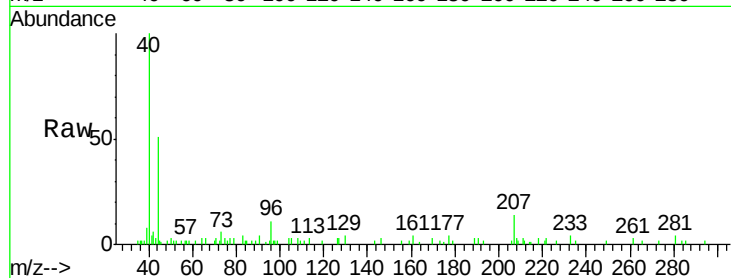
Tot Ion:156 Resp: 83

Ion Ratio Lower Upper

156 100

77 165.0 73.6 220.8

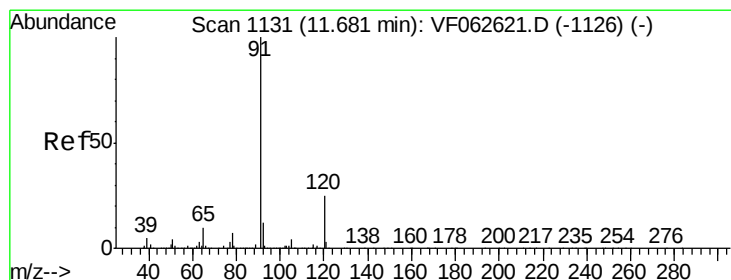
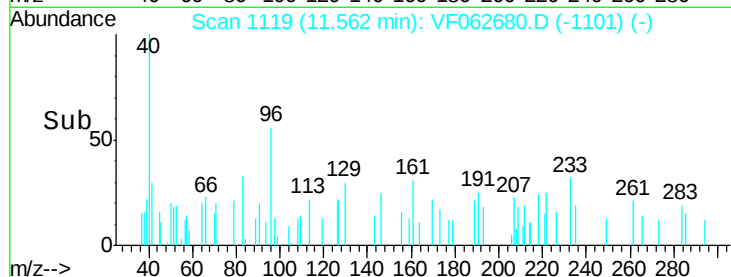
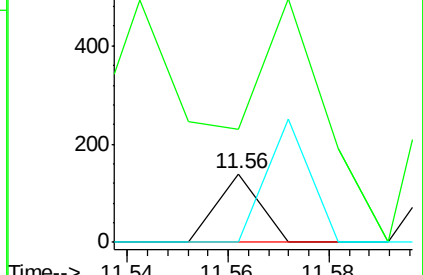
158 0.0 49.6 148.8#



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: 16.306 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF062680.D

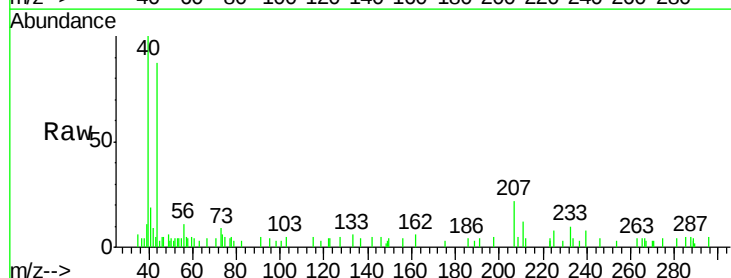
Acq: 21 May 2019 13:54

Tgt Ion: 91 Resp: 343

Ion Ratio Lower Upper

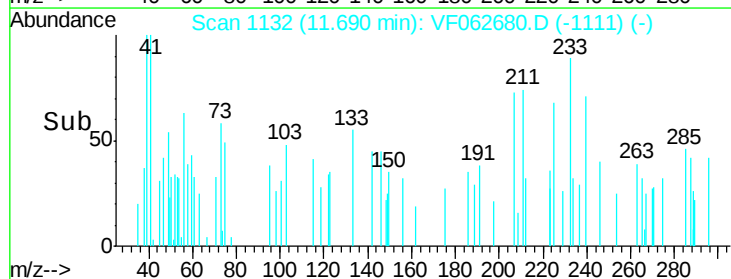
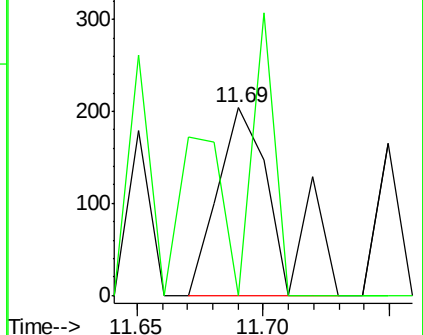
91 100

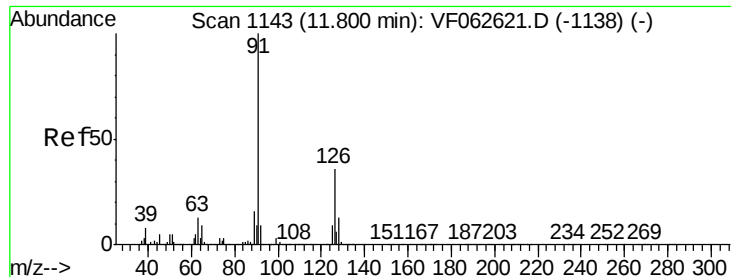
120 0.0 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.695 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

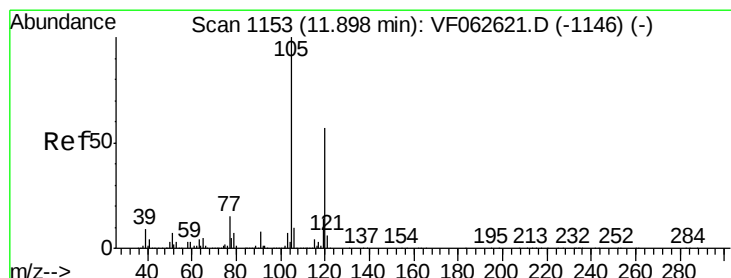
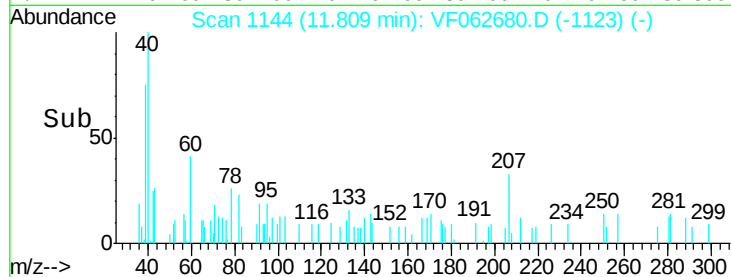
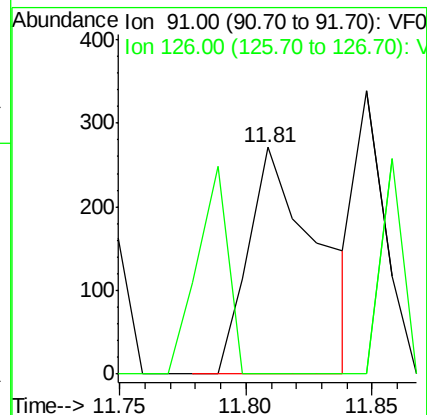
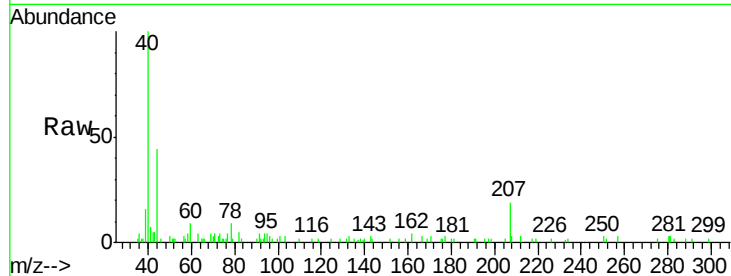
TP-11-S2

Tot Ion: 91 Resp: 518

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 11.717 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062680.D

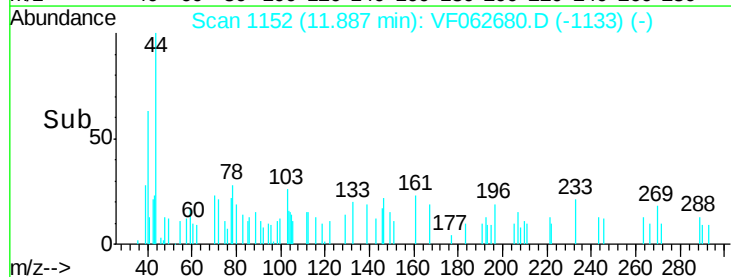
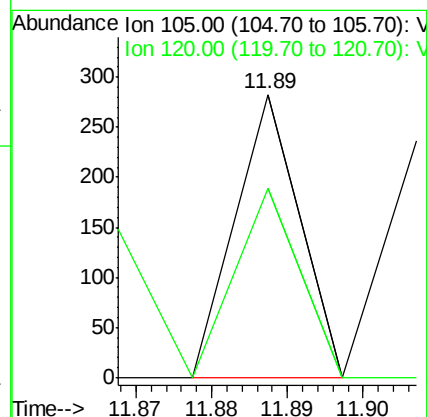
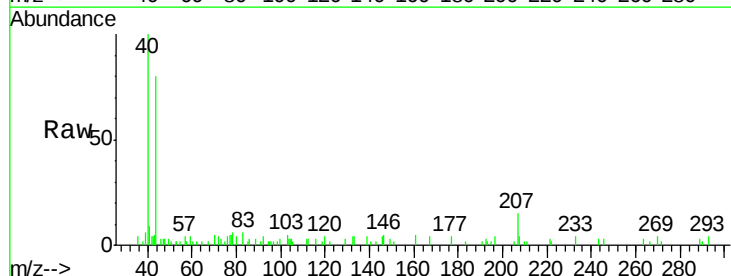
Acq: 21 May 2019 13:54

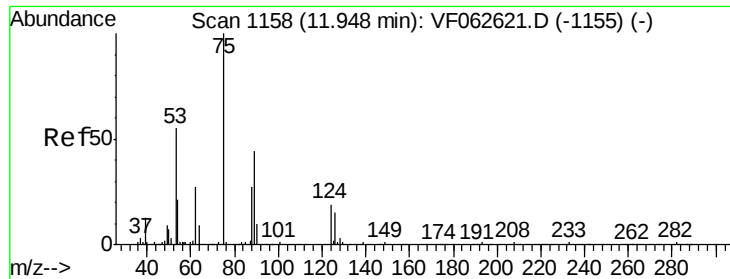
Tgt Ion: 105 Resp: 167

Ion Ratio Lower Upper

105 100

120 66.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 335.554 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

TP-11-S2

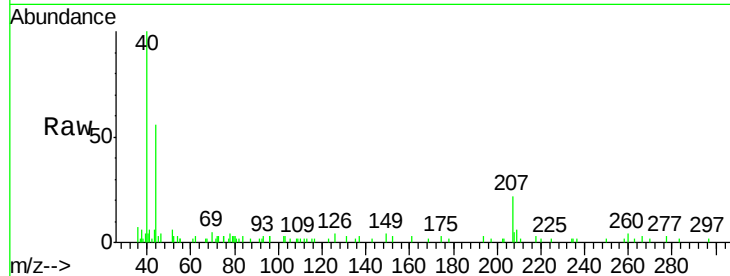
Tot Ion: 75 Resp: 356

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

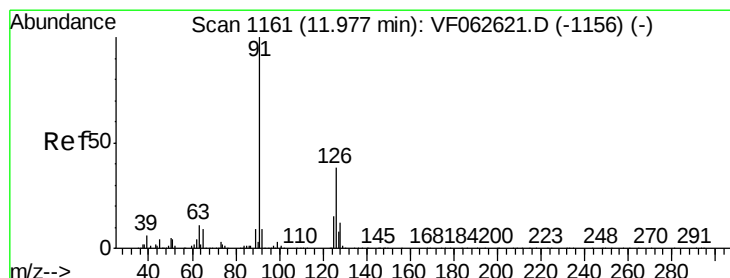
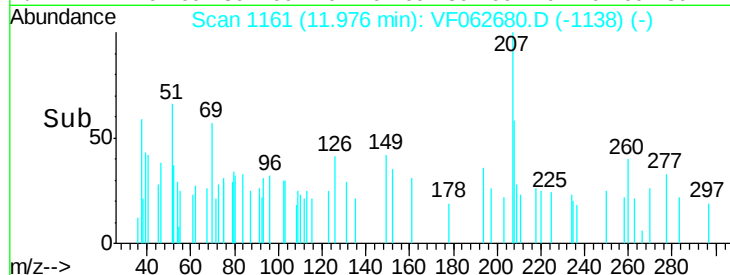
Ion 89.00 (88.70 to 89.70): VF0

11.98

11.95

12.00

Time-->



#82

4-Chlorotoluene

Concen: 51.837 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VF062680.D

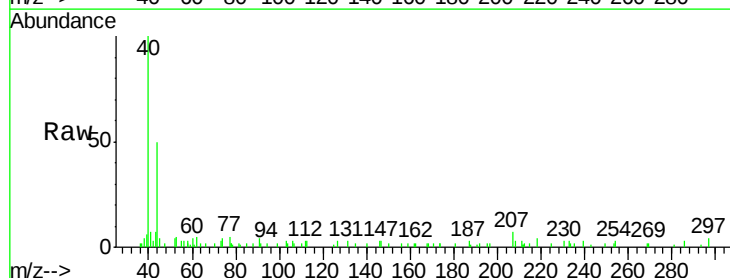
Acq: 21 May 2019 13:54

Tgt Ion: 91 Resp: 606

Ion Ratio Lower Upper

91 100

126 57.4 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

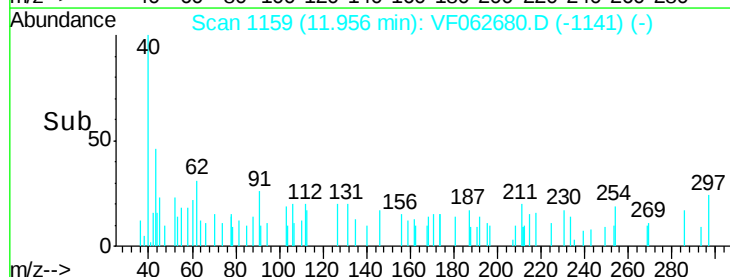
11.96

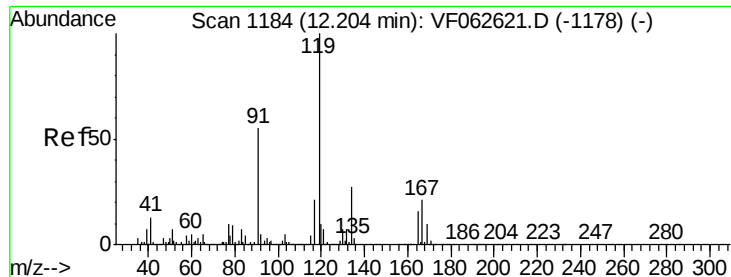
11.90

11.95

12.00

Time-->

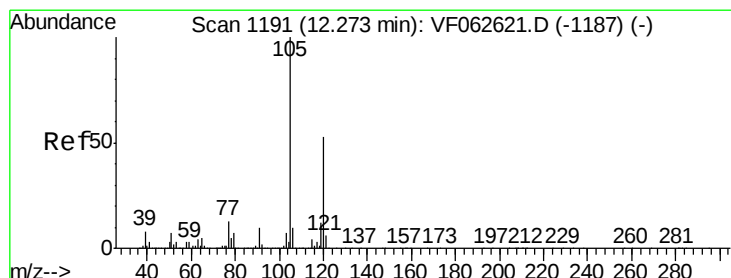
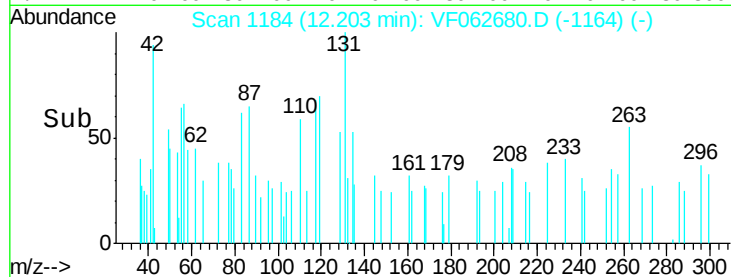
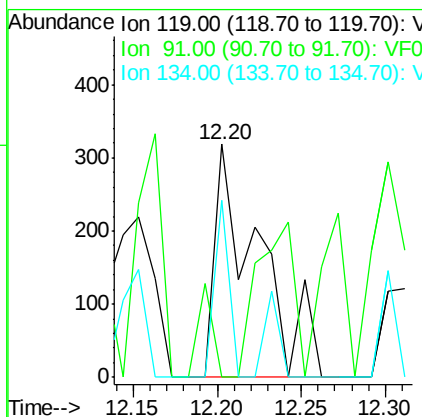
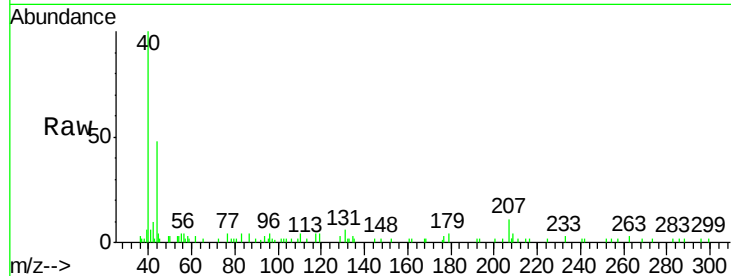




#83
 tert-Butylbenzene
 Concen: 39.212 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

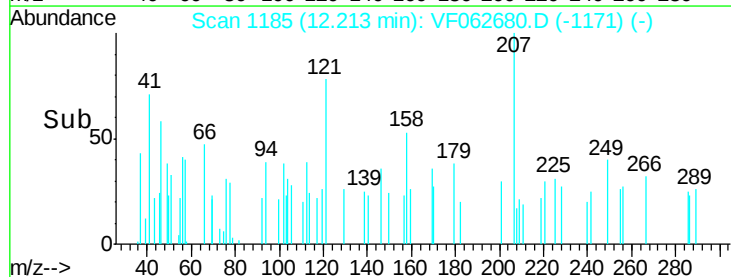
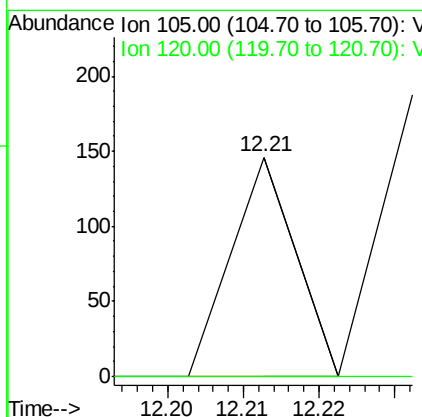
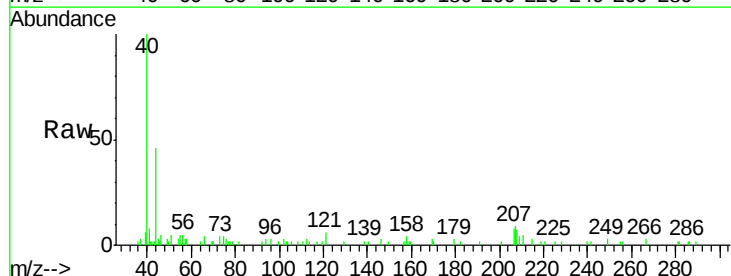
Instrument :
 MSVOA_F
 ClientSampled :
 TP-11-S2

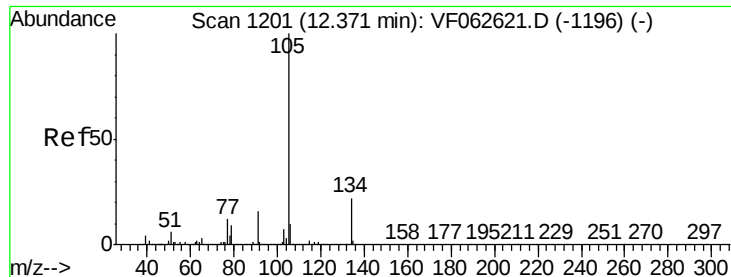
Tot Ion:119 Resp: 567
 Ion Ratio Lower Upper
 119 100
 91 0.0 27.3 81.9#
 134 75.9 13.6 40.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 6.234 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.06 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion:105 Resp: 86
 Ion Ratio Lower Upper
 105 100
 120 0.0 26.7 80.1#

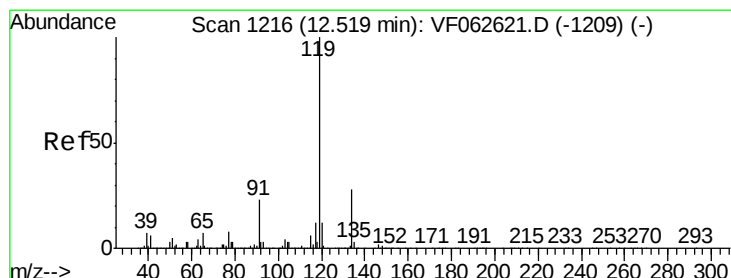
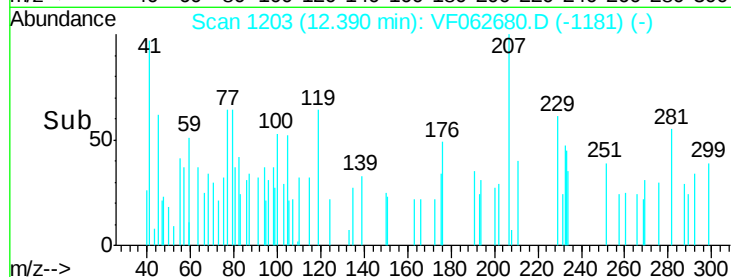
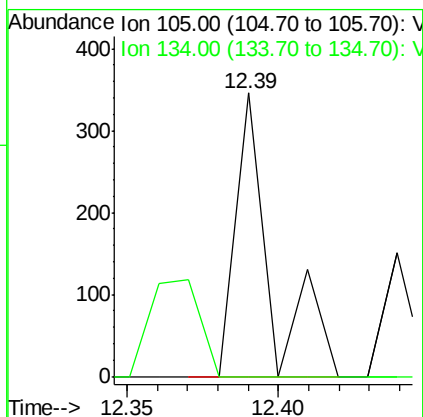
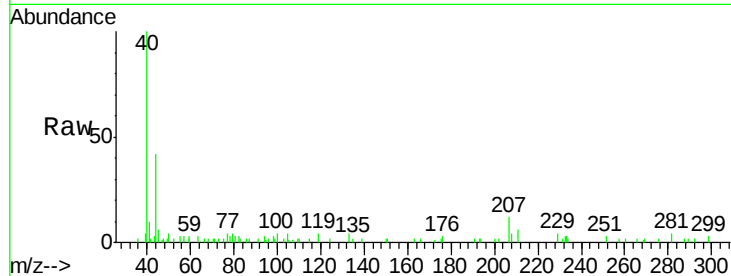




#85
 sec-Butylbenzene
 Concen: 14.532 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

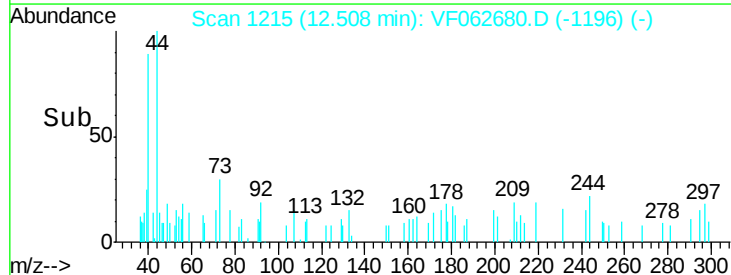
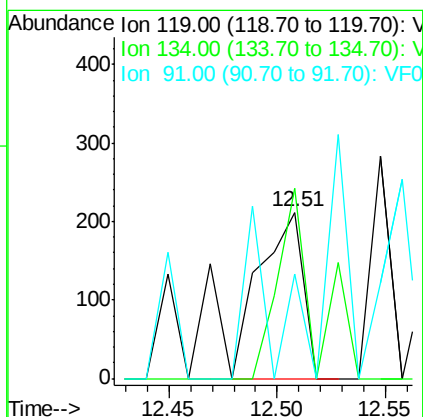
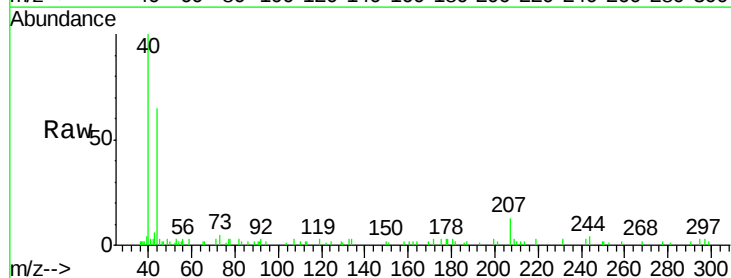
Instrument :
 MSVOA_F
 ClientSampled :
 TP-11-S2

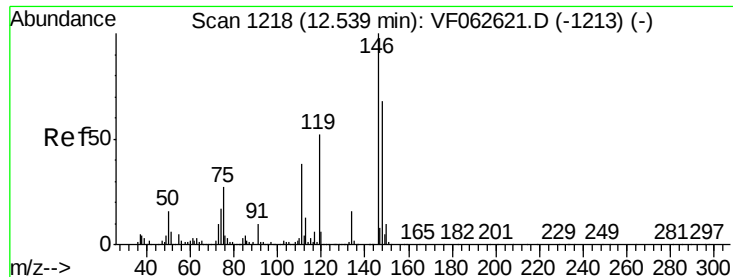
Tot Ion:105 Resp: 282
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 23.603 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion:119 Resp: 386
 Ion Ratio Lower Upper
 119 100
 134 114.6 14.1 42.3#
 91 62.7 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 8.882 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

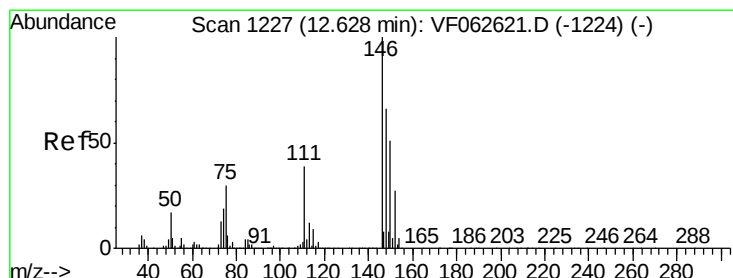
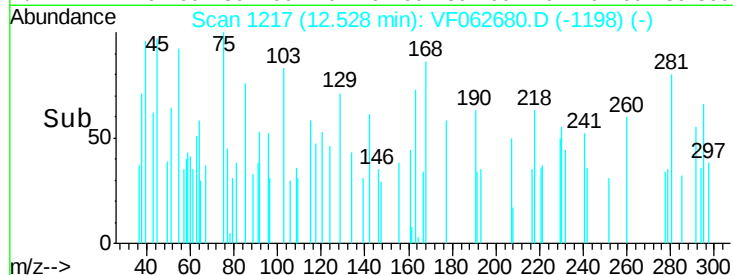
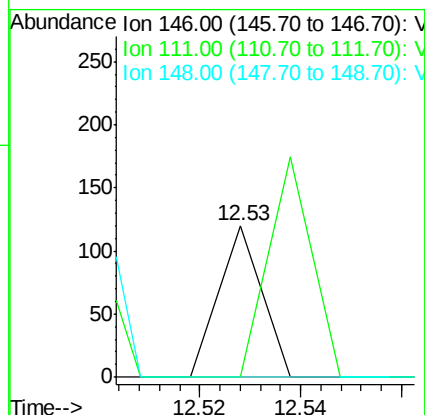
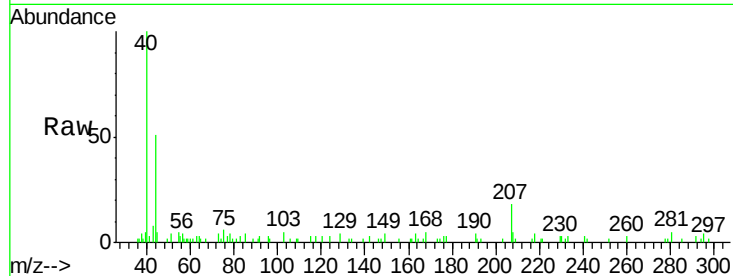
Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

Tot Ion:146 Resp: 71

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 19.063 ug/l

RT: 12.65 min Scan# 1229

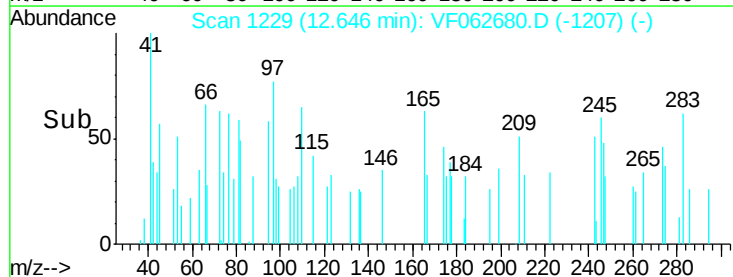
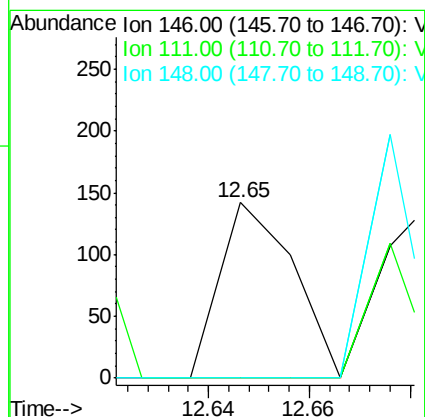
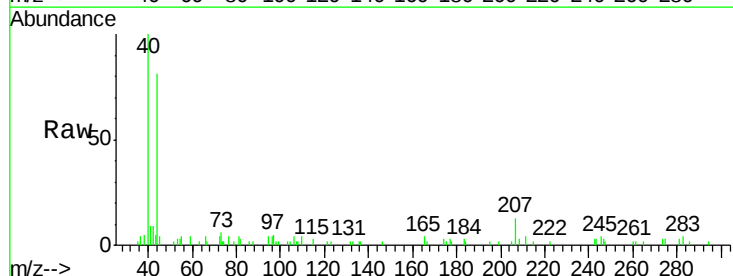
Delta R.T. 0.02 min

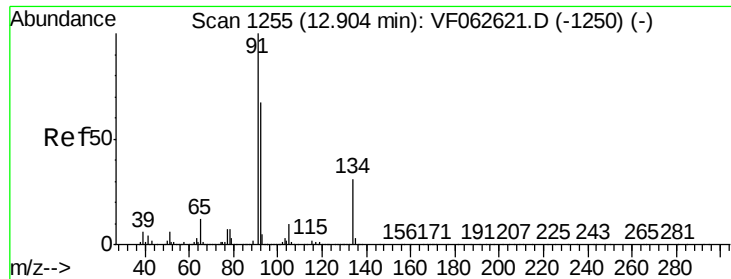
Lab File: VF062680.D

Acq: 21 May 2019 13:54

Tgt Ion:146 Resp: 143

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#

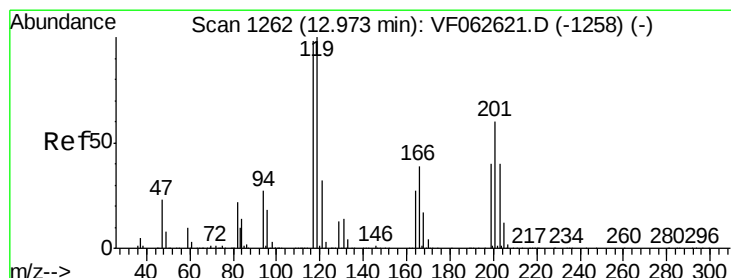
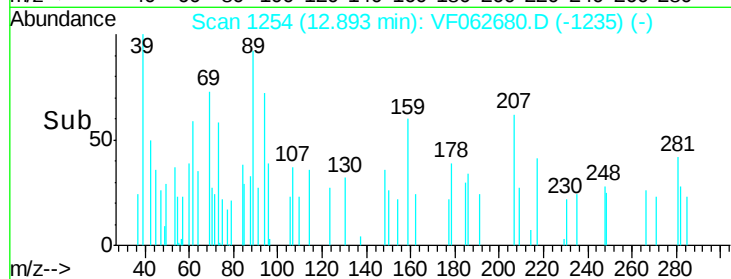
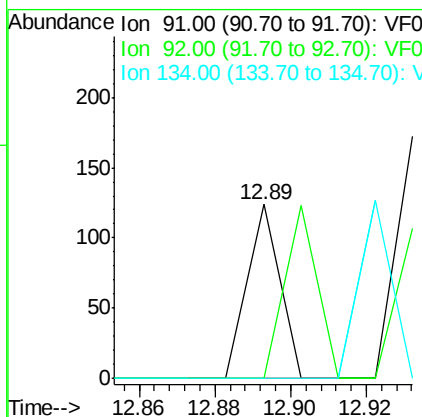
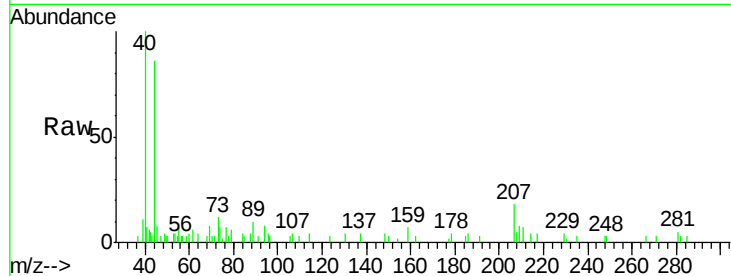




#89
n-Butylbenzene
Concen: 4.527 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

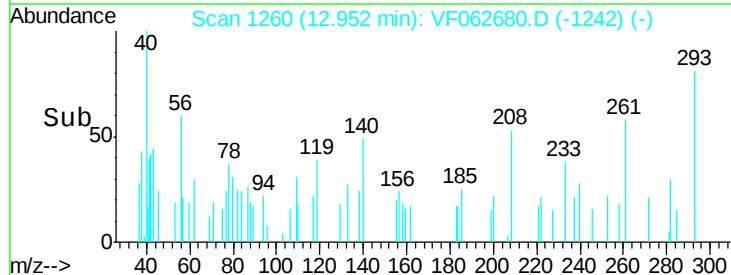
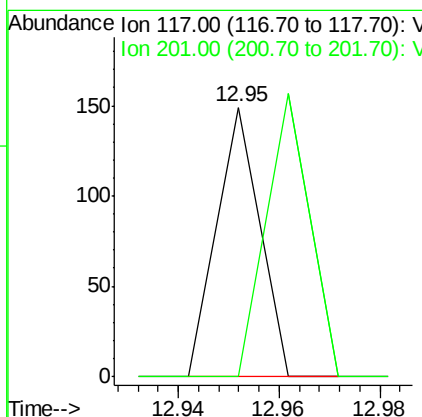
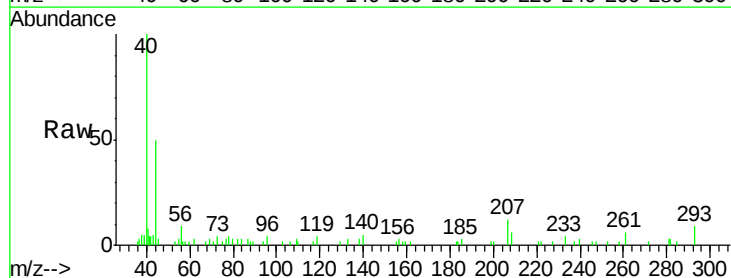
Instrument :
MSVOA_F
ClientSampled :
TP-11-S2

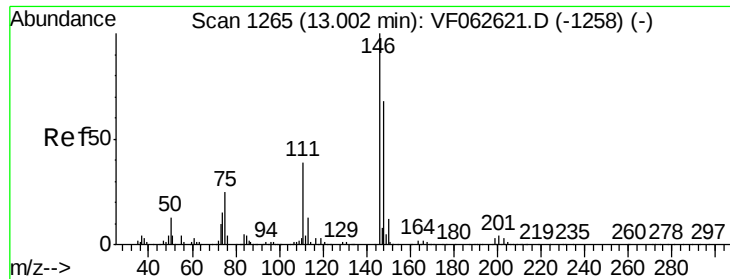
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	33.3	99.8#
134	0.0	15.4	46.4#



#90
Hexachloroethane
Concen: 22.431 ug/l
RT: 12.95 min Scan# 1260
Delta R.T. -0.02 min
Lab File: VF062680.D
Acq: 21 May 2019 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	30.7	92.1#





#91

1,2-Dichlorobenzene

Concen: 10.386 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

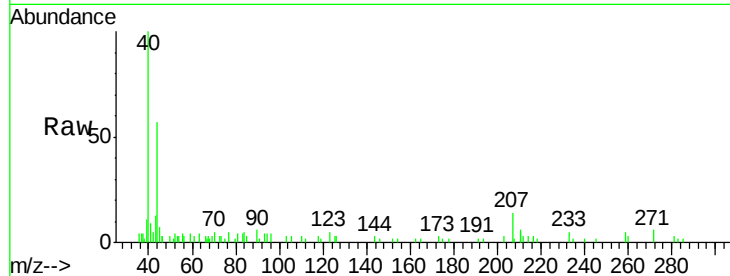
Tot Ion:146 Resp: 74

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

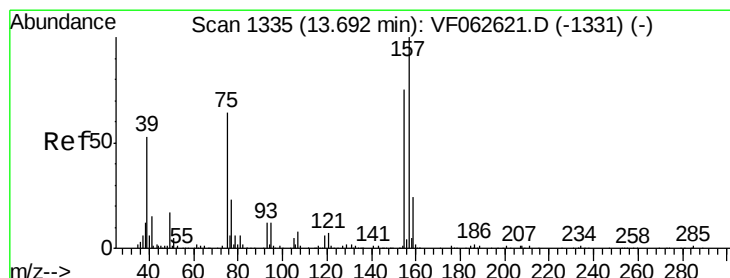
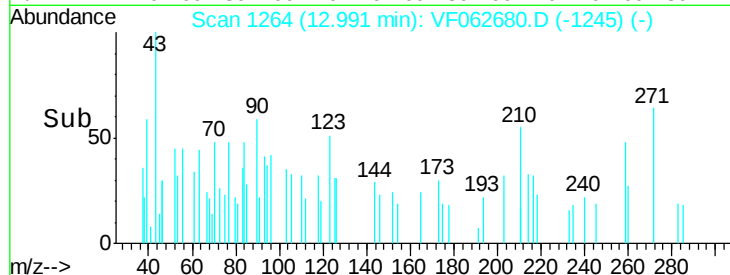
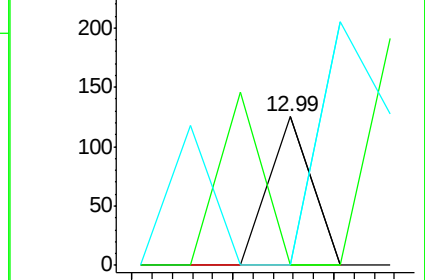
148 0.0 34.1 102.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 863.063 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

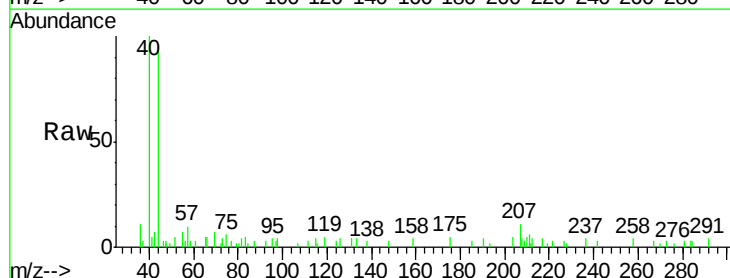
Tgt Ion: 75 Resp: 374

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

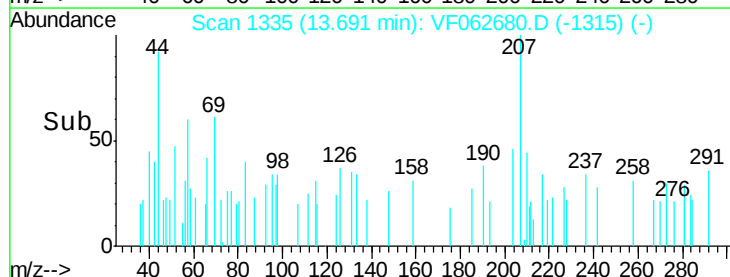
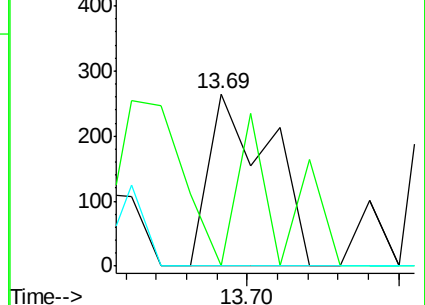
157 0.0 77.8 233.4#

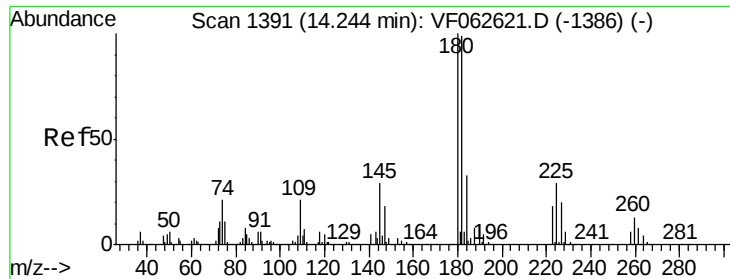


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

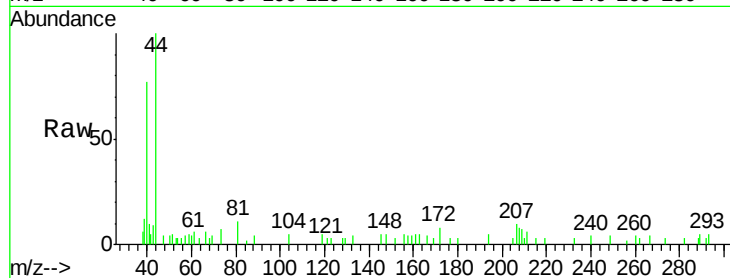




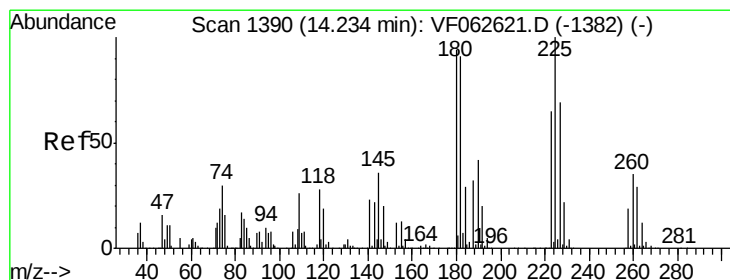
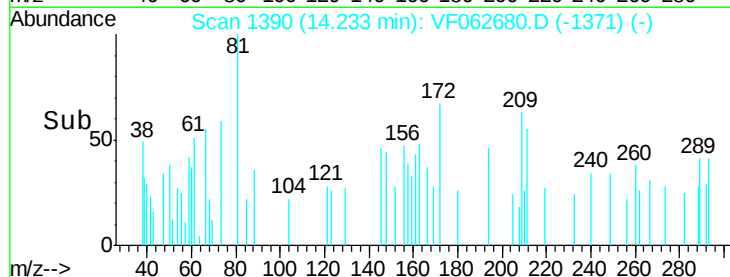
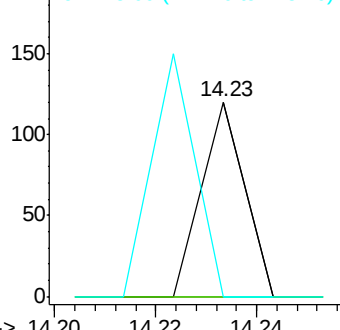
#93
 1,2,4-Trichlorobenzene
 Concen: 13.921 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Instrument :
 MSVOA_F
 ClientSampled :
 TP-11-S2

Tot Ion:180 Resp: 71
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 179.2 14.6 44.0#

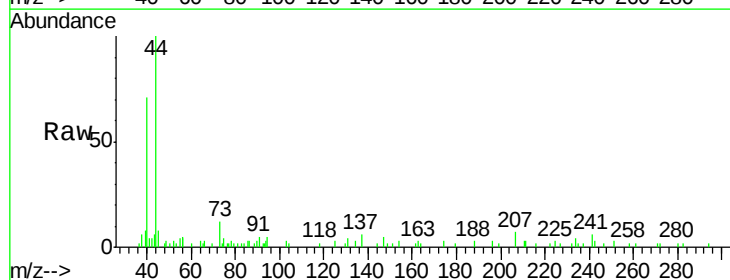


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

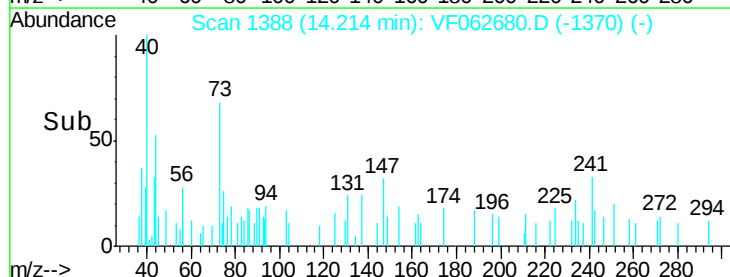
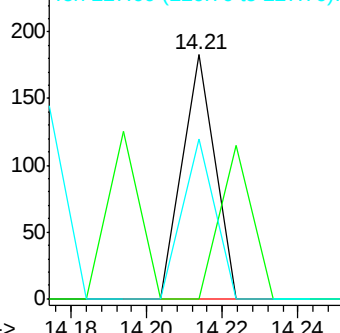


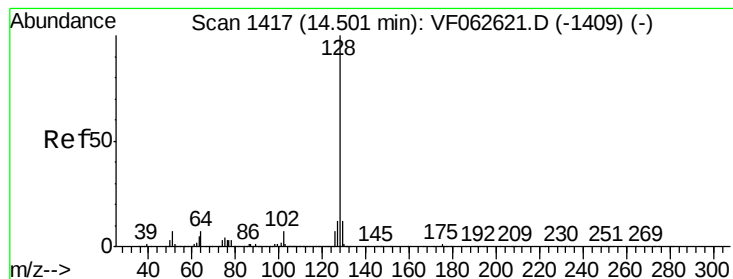
#94
 Hexachlorobutadiene
 Concen: 30.343 ug/l
 RT: 14.21 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062680.D
 Acq: 21 May 2019 13:54

Tgt Ion:225 Resp: 108
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 65.6 34.5 103.5



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: 15.973 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

Instrument :

MSVOA_F

ClientSampled :

TP-11-S2

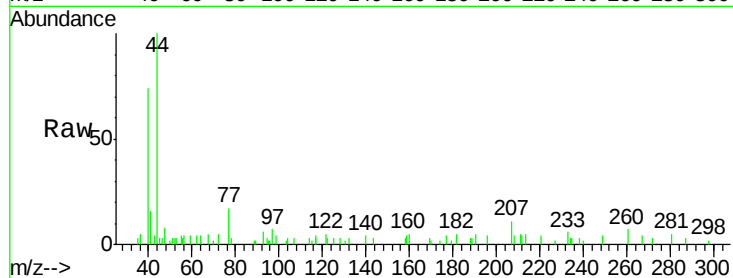
Tot Ion:128 Resp: 148

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

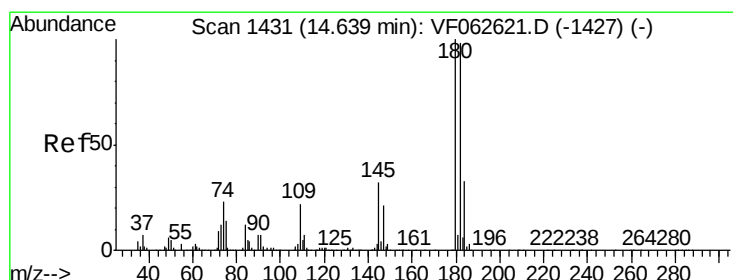
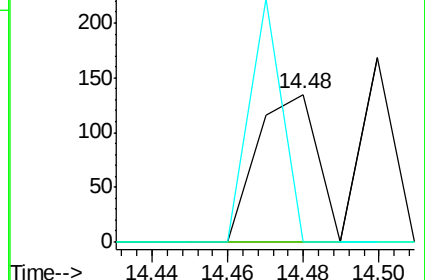
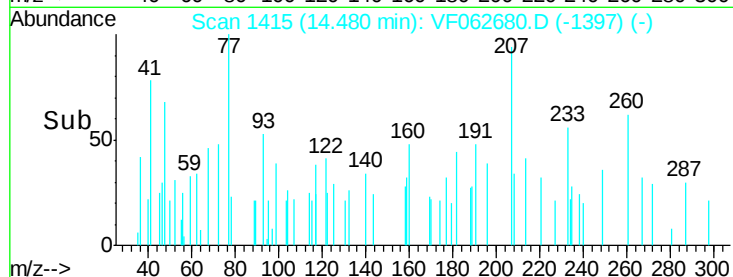
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 36.431 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062680.D

Acq: 21 May 2019 13:54

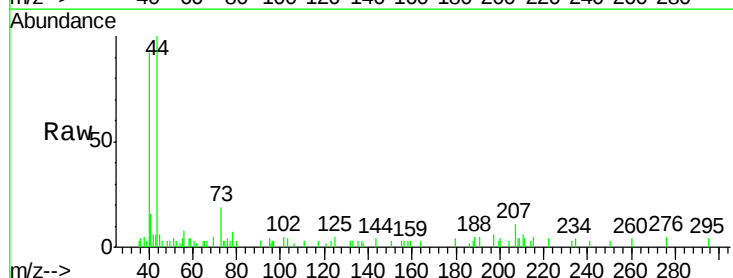
Tgt Ion:180 Resp: 176

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#



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

