

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062788.D
 Acq On : 29 May 2019 18:10
 Operator : FY/SY
 Sample : K3084-03RE
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-7RE

Quant Time: May 30 08:42:12 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	4.95	168	127	50.00	ug/l	-0.12
34) 1,4-Difluorobenzene	5.79	114	333	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	90	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	151	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.95	65	667	743.22	ug/l	-0.09
Spiked Amount				50.000		
			Recovery	=	1486.44%	
35) Dibromofluoromethane	4.31	113	171	67.11	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	134.22%	
50) Toluene-d8	7.74	98	208	34.19	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	68.38%	
62) 4-Bromofluorobenzene	11.46	95	95	41.17	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	82.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.09	85	478	276.576	ug/l	87
3) Chloromethane	1.02	50	446	280.261	ug/l	99
4) Vinyl Chloride	1.16	62	59	40.277	ug/l #	41
5) Bromomethane	1.40	94	882	1100.626	ug/l	98
6) Chloroethane	1.44	64	211	392.203	ug/l	99
7) Trichlorofluoromethane	1.48	101	152	77.280	ug/l #	1
8) Diethyl Ether	1.67	74	79	202.747	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.85	101	143	114.180	ug/l #	7
10) Methyl Iodide	1.95	142	69	28.046	ug/l #	37
11) Tert butyl alcohol	2.63	59	295	4978.900	ug/l #	1
12) 1,1-Dichloroethene	1.80	96	367	321.683	ug/l #	1
13) Acrolein	2.12	56	704	11382.633	ug/l	93
14) Allyl chloride	2.16	41	397	384.483	ug/l #	63
15) Acrylonitrile	3.04	53	424	2536.887	ug/l #	1
16) Acetone	2.30	43	1088	4673.017	ug/l	99
17) Carbon Disulfide	1.89	76	567	167.676	ug/l #	9
18) Methyl Acetate	2.30	43	1088	2973.727	ug/l	99
19) Methyl tert-butyl Ether	2.50	73	171	83.845	ug/l #	27
20) Methylene Chloride	2.29	84	245	209.935	ug/l #	35
21) trans-1,2-Dichloroethene	2.35	96	256	229.573	ug/l #	45
22) Diisopropyl ether	2.89	45	176	69.110	ug/l #	1
23) Vinyl Acetate	3.28	43	1749	1018.091	ug/l #	73
24) 1,1-Dichloroethane	2.96	63	535	286.365	ug/l #	86
25) 2-Butanone	4.39	43	1132	2275.690	ug/l #	75
26) 2,2-Dichloropropane	3.62	77	745	696.952	ug/l	100
27) cis-1,2-Dichloroethene	3.58	96	195	106.310	ug/l	20
28) Bromochloromethane	3.85	49	610	582.174	ug/l #	49
29) Tetrahydrofuran	3.80	42	579	2876.399	ug/l	97
30) Chloroform	3.96	83	194	74.792	ug/l #	62
31) Cyclohexane	3.77	56	300	119.594	ug/l #	5
32) 1,1,1-Trichloroethane	4.25	97	491	285.026	ug/l #	23
36) 1,1-Dichloropropene	4.46	75	237	69.456	ug/l #	1
37) Ethyl Acetate	4.31	43	190	136.375	ug/l #	5
38) Carbon Tetrachloride	4.19	117	419	163.273	ug/l #	48

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.71	83	219	53.340	ug/l	94
40) Benzene	4.83	78	424	45.612	ug/l #	1
41) Methacrylonitrile	4.92	41	445	609.235	ug/l #	43
42) 1,2-Dichloroethane	5.10	62	518	279.436	ug/l #	1
43) Isopropyl Acetate	7.10	43	524	290.311	ug/l #	91
44) Trichloroethene	5.66	130	231	88.417	ug/l	1
45) 1,2-Dichloropropane	6.43	63	66	28.126	ug/l #	1
46) Dibromomethane	6.25	93	323	238.172	ug/l #	3
47) Bromodichloromethane	6.54	83	208	73.879	ug/l #	7
48) Methyl methacrylate	7.00	41	713	755.758	ug/l	92
49) 1,4-Dioxane	6.89	88	65	5379.326	ug/l #	1
51) 4-Methyl-2-Pentanone	8.30	43	1119	906.982	ug/l	99
52) Toluene	7.76	92	97	19.897	ug/l #	1
53) t-1,3-Dichloropropene	8.39	75	298	129.378	ug/l #	13
54) cis-1,3-Dichloropropene	7.44	75	373	115.685	ug/l #	53
55) 1,1,2-Trichloroethane	8.64	97	256	177.351	ug/l #	66
56) Ethyl methacrylate	8.74	69	297	172.704	ug/l #	41
57) 1,3-Dichloropropane	8.99	76	96	39.046	ug/l #	5
58) 2-Chloroethyl Vinyl ether	7.45	63	183	326.922	ug/l #	1
59) 2-Hexanone	9.58	43	461	599.211	ug/l	74
60) Dibromochloromethane	8.86	129	91	48.371	ug/l #	12
61) 1,2-Dibromoethane	9.08	107	227	148.058	ug/l	88
64) Tetrachloroethene	8.33	164	221	309.956	ug/l #	20
65) Chlorobenzene	9.90	112	89	50.348	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.03	131	108	152.192	ug/l	89
67) Ethyl Benzene	10.03	91	195	63.500	ug/l #	42
68) m/p-Xylenes	10.27	106	210	181.950	ug/l #	21
69) o-Xylene	10.76	106	164	137.955	ug/l	53
70) Styrene	10.86	104	189	104.599	ug/l #	30
71) Bromoform	10.91	173	60	168.819	ug/l #	27
73) Isopropylbenzene	11.21	105	206	19.035	ug/l #	45
74) N-amyl acetate	11.46	43	1119	449.490	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	11.81	83	386	174.526	ug/l #	23
76) 1,2,3-Trichloropropane	11.87	75	676	465.170	ug/l	95
77) Bromobenzene	11.56	156	65	24.163	ug/l #	59
78) n-propylbenzene	11.74	91	409	31.933	ug/l	92
79) 2-Chlorotoluene	11.79	91	238	32.973	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.02	105	143	16.479	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.97	75	293	453.581	ug/l #	1
82) 4-Chlorotoluene	12.01	91	605	84.995	ug/l	81
83) tert-Butylbenzene	12.19	119	85	9.655	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.26	105	73	8.691	ug/l #	25
85) sec-Butylbenzene	12.38	105	343	29.030	ug/l #	54
86) p-Isopropyltoluene	12.52	119	61	6.126	ug/l #	49
87) 1,3-Dichlorobenzene	12.44	146	96	19.725	ug/l #	23
88) 1,4-Dichlorobenzene	12.73	146	88	19.267	ug/l #	24
89) n-Butylbenzene	12.90	91	613	62.439	ug/l #	25
90) Hexachloroethane	13.06	117	81	33.910	ug/l	83
91) 1,2-Dichlorobenzene	12.97	146	63	14.521	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	13.69	75	573	2171.701	ug/l #	3

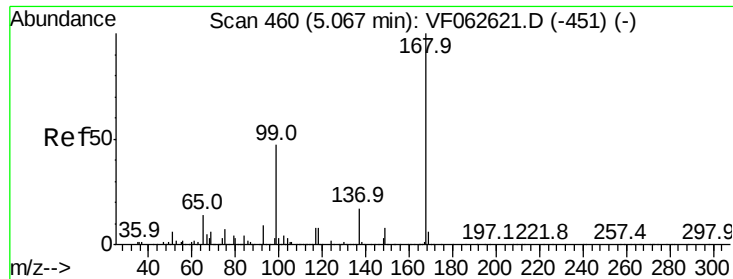
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	111	35.744	ug/l #	11
94) Hexachlorobutadiene	14.29	225	63	29.070	ug/l #	16
95) Naphthalene	14.49	128	222	39.350	ug/l #	18
96) 1,2,3-Trichlorobenzene	14.64	180	99	33.657	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.12 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

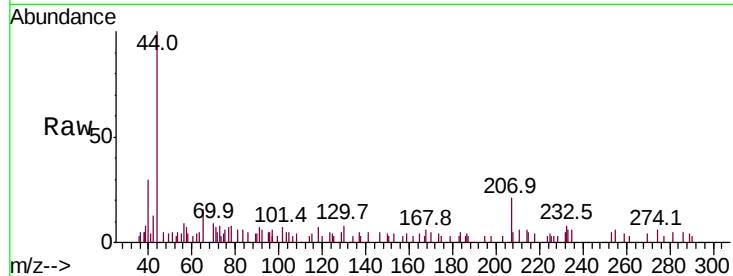
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

Tot Ion:168 Resp: 127

Ion Ratio Lower Upper

168 100

99 55.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.95

200

150

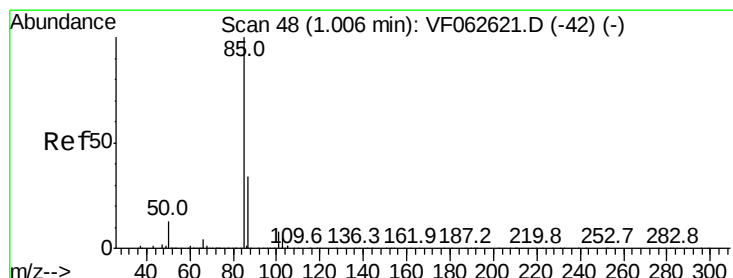
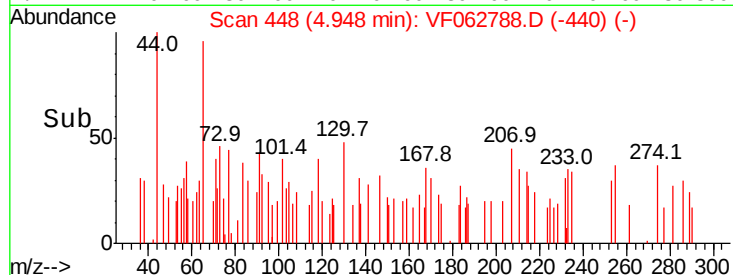
100

50

0

4.92 4.94 4.96 4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 276.576 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.09 min

Lab File: VF062788.D

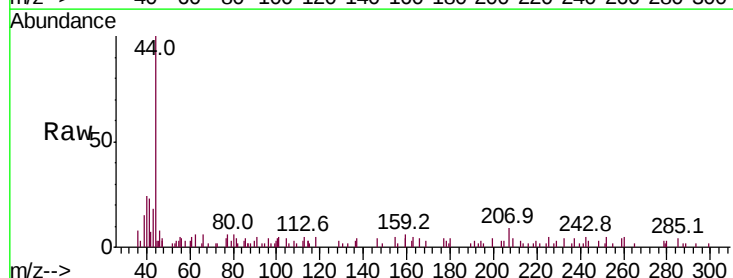
Acq: 29 May 2019 18:10

Tgt Ion: 85 Resp: 478

Ion Ratio Lower Upper

85 100

87 25.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.09

400

300

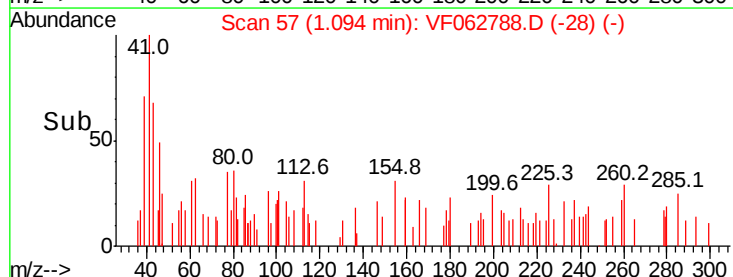
200

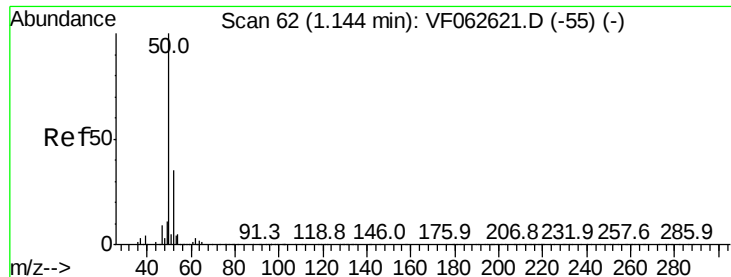
100

0

1.06 1.08 1.10 1.12 1.14

Time-->





#3

Chloromethane

Concen: 280.261 ug/l

RT: 1.02 min Scan# 50

Delta R.T. -0.12 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

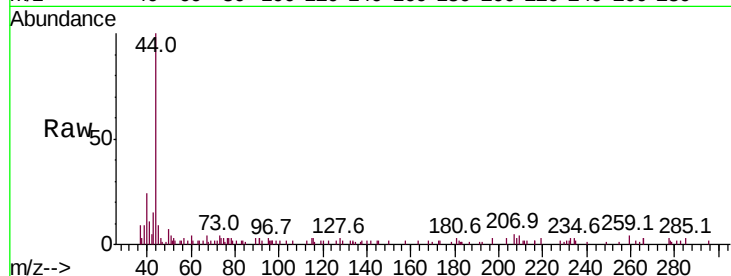
TEST-PIT-7RE

Tot Ion: 50 Resp: 446

Ion Ratio Lower Upper

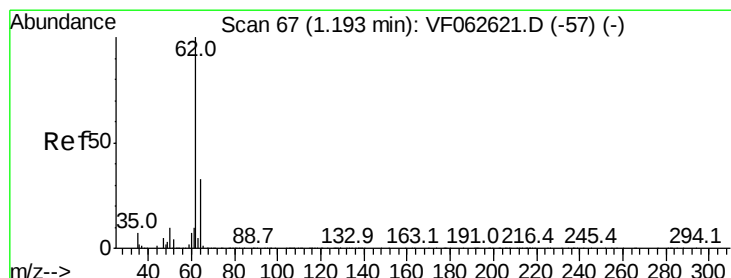
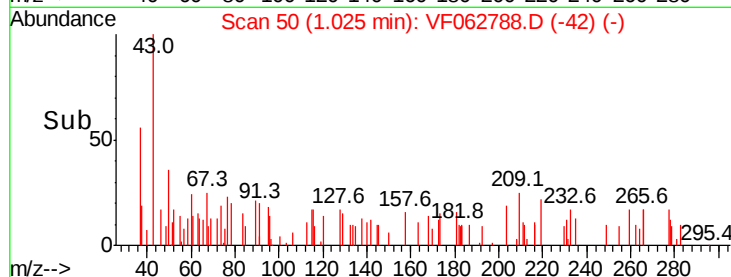
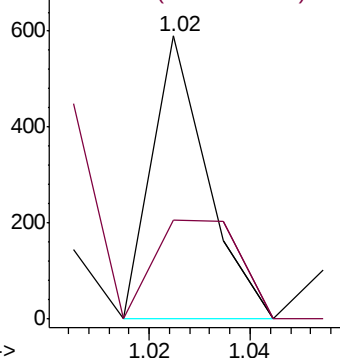
50 100

52 34.7 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 40.277 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.03 min

Lab File: VF062788.D

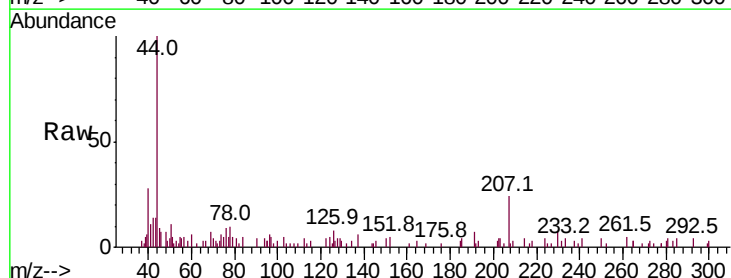
Acq: 29 May 2019 18:10

Tgt Ion: 62 Resp: 59

Ion Ratio Lower Upper

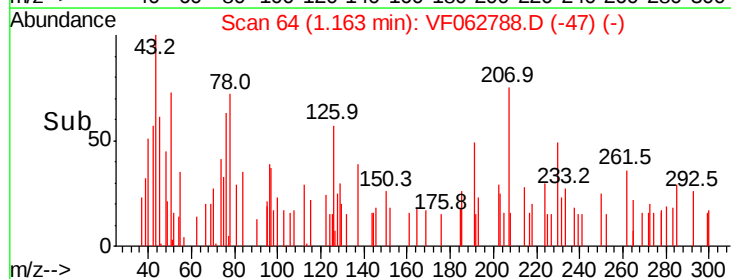
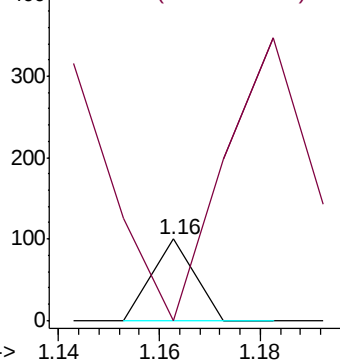
62 100

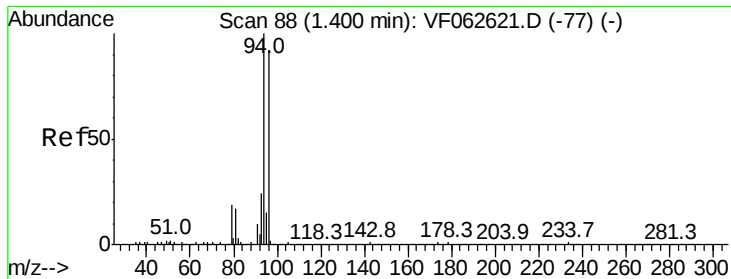
64 0.0 26.7 40.1#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 1100.626 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

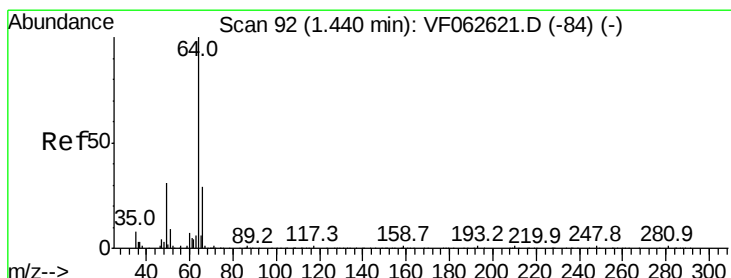
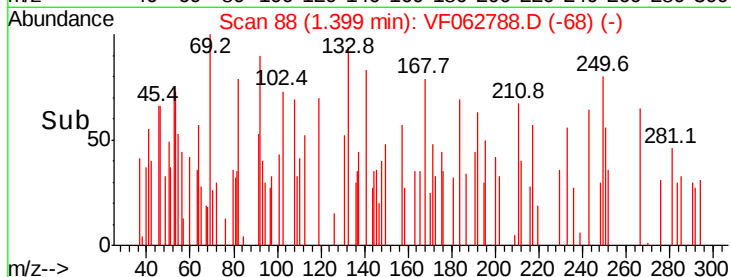
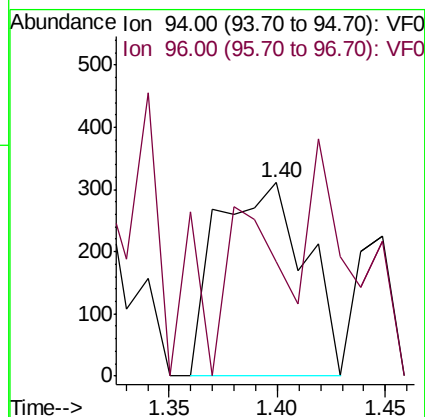
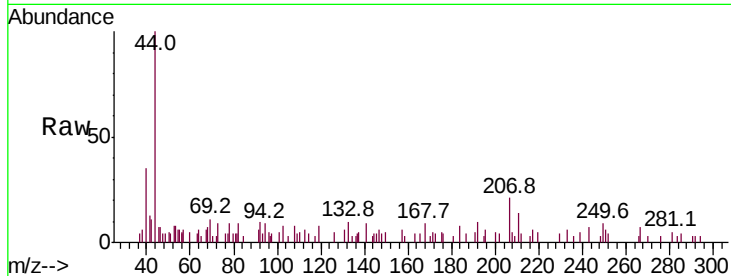
TEST-PIT-7RE

Tot Ion: 94 Resp: 882

Ion Ratio Lower Upper

94 100

96 93.6 73.2 109.8



#6

Chloroethane

Concen: 392.203 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062788.D

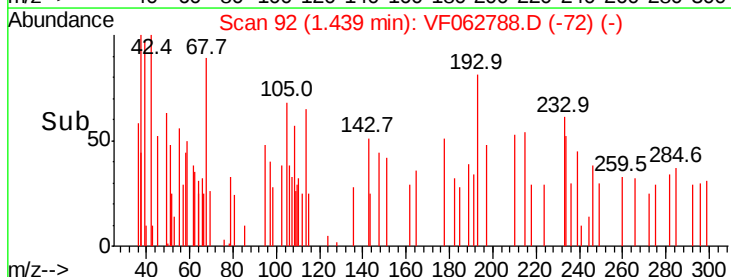
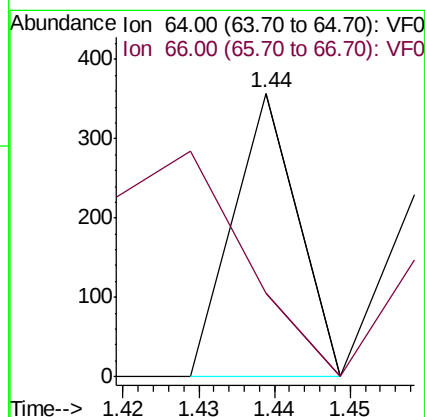
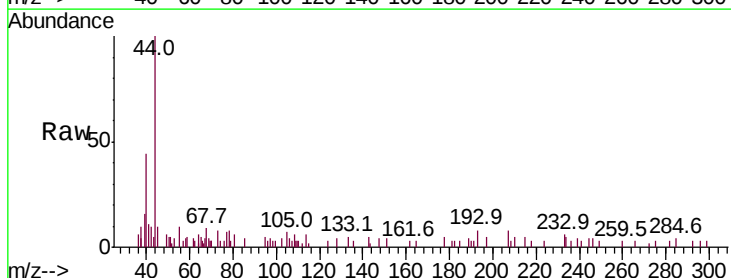
Acq: 29 May 2019 18:10

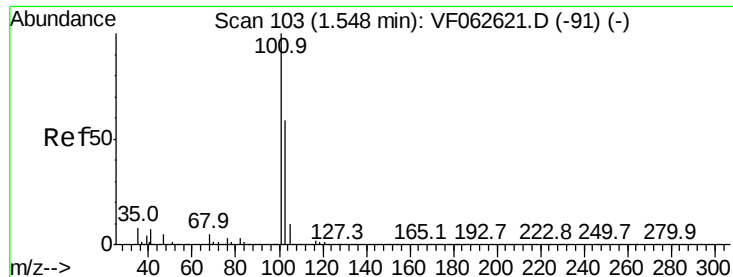
Tgt Ion: 64 Resp: 211

Ion Ratio Lower Upper

64 100

66 29.7 23.4 35.2



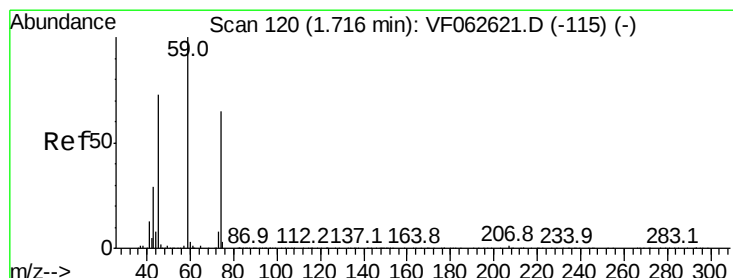
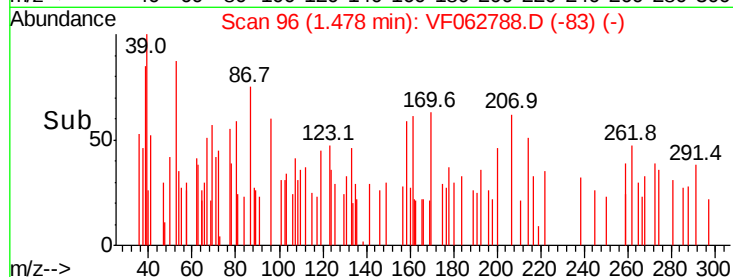
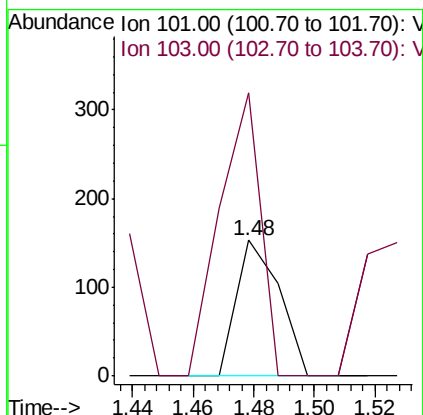
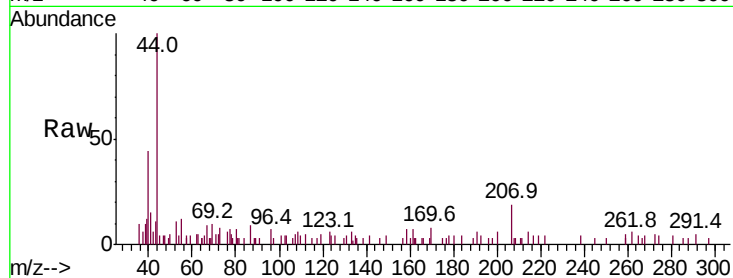


#7

Trichlorofluoromethane
Concen: 77.280 ug/l
RT: 1.48 min Scan# 96
Delta R.T. -0.07 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Instrument :
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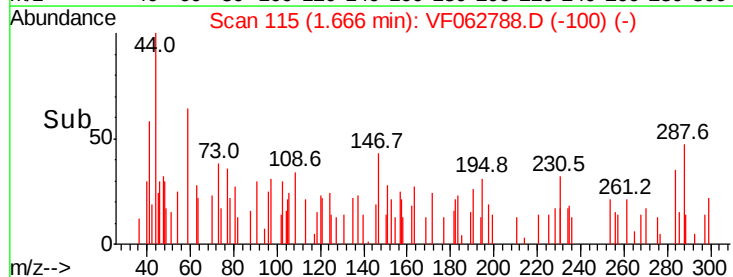
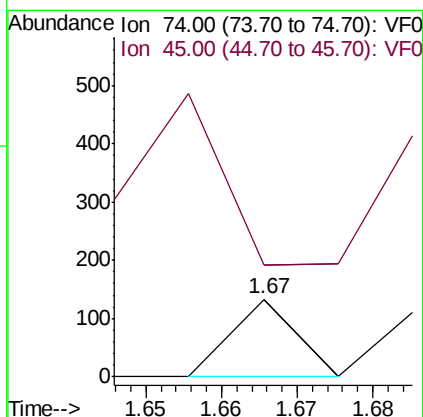
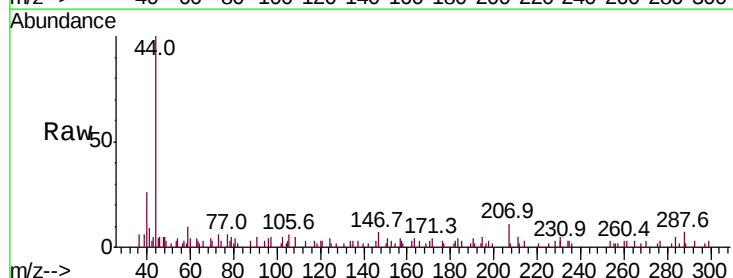
Tot Ion:101 Resp: 152
Ion Ratio Lower Upper
101 100
103 208.5 47.3 70.9#

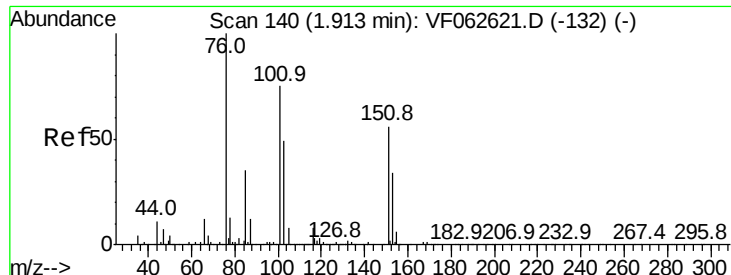


#8

Diethyl Ether
Concen: 202.747 ug/l
RT: 1.67 min Scan# 115
Delta R.T. -0.05 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion: 74 Resp: 79
Ion Ratio Lower Upper
74 100
45 144.4 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.180 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.06 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

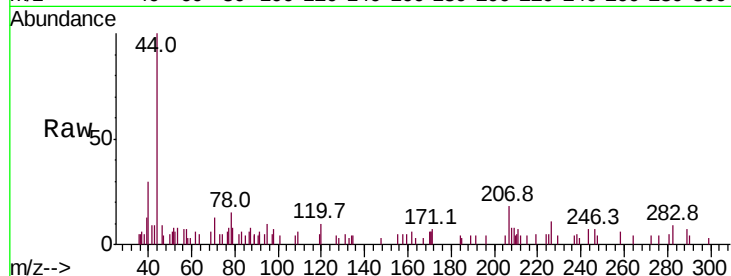
Tot Ion:101 Resp: 143

Ion Ratio Lower Upper

101 100

85 113.7 37.1 55.7#

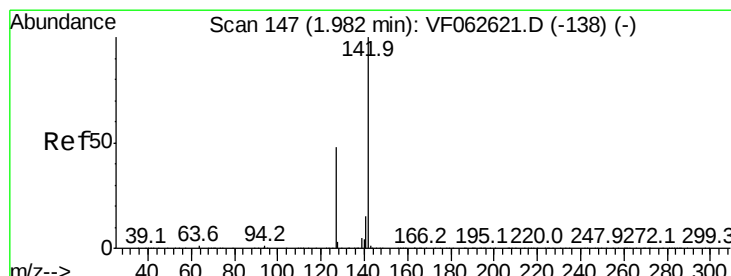
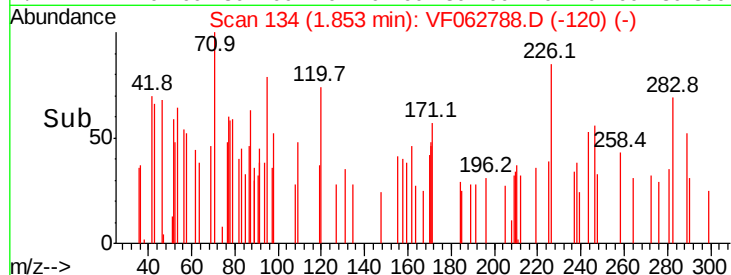
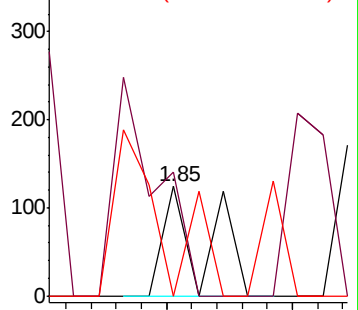
151 0.0 58.8 88.2#



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: 28.046 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.03 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

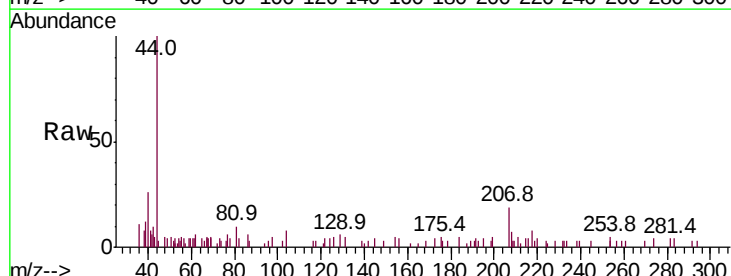
Tgt Ion:142 Resp: 69

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

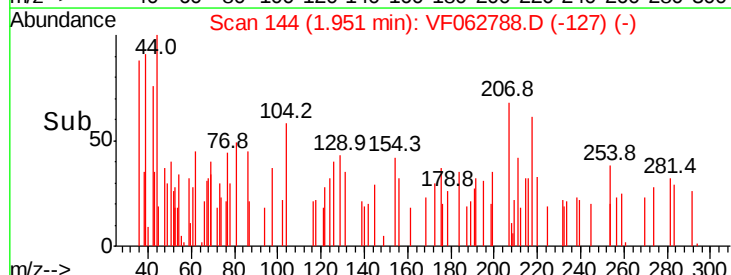
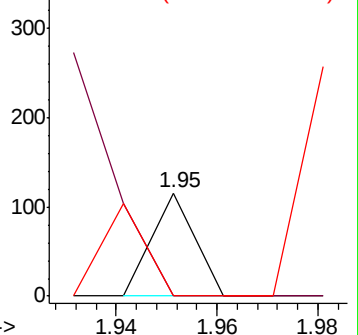
141 0.0 11.7 17.5#

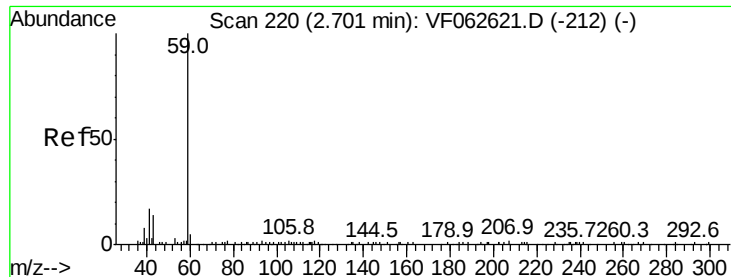


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



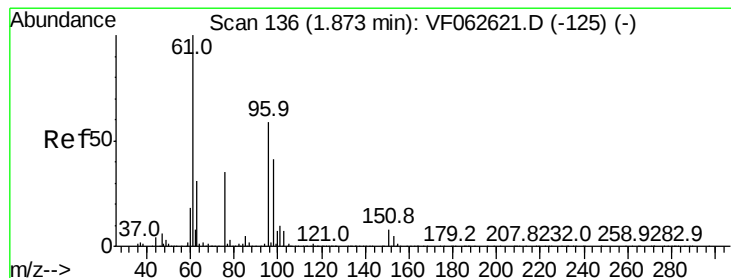
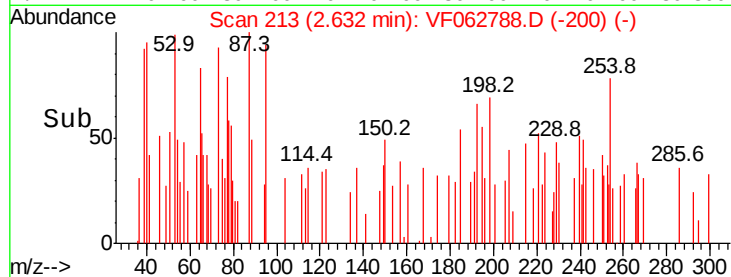
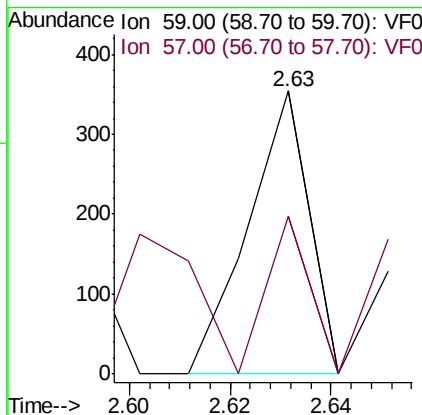
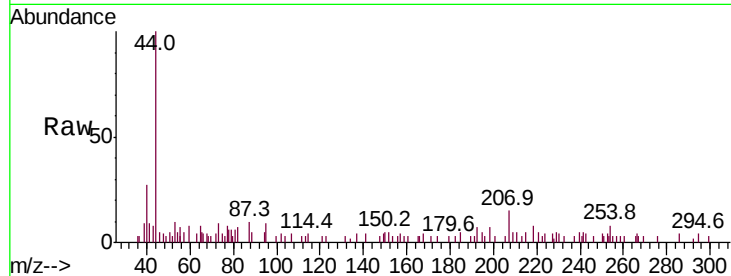


#11

Tert butyl alcohol
 Concen: 4978.900 ug/l
 RT: 2.63 min Scan# 213
 Delta R.T. -0.07 min
 Lab File: VF062788.D
 Acq: 29 May 2019 18:10

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-7RE

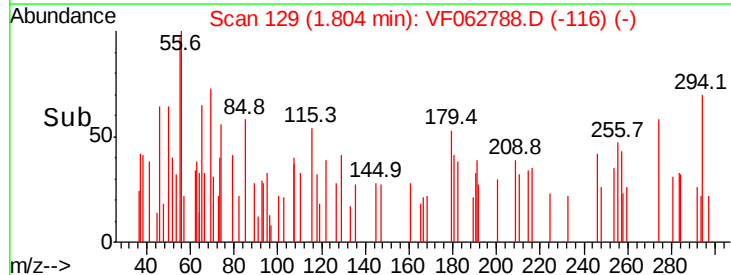
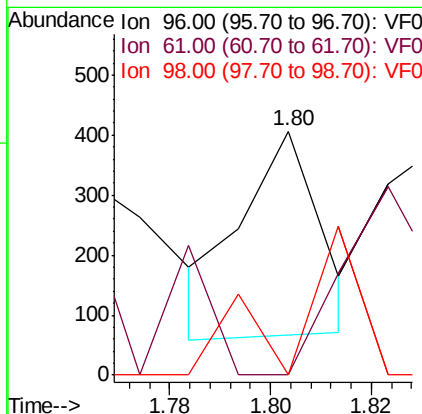
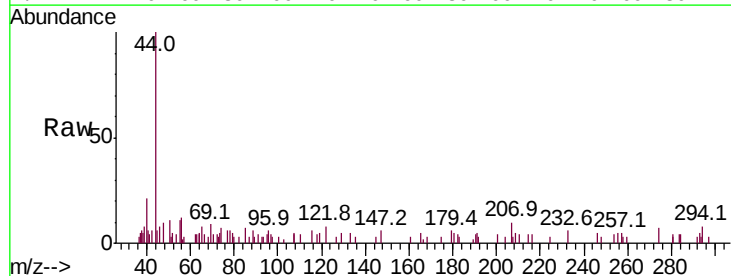
Tot Ion: 59 Resp: 295
 Ion Ratio Lower Upper
 59 100
 57 55.6 9.3 13.9#

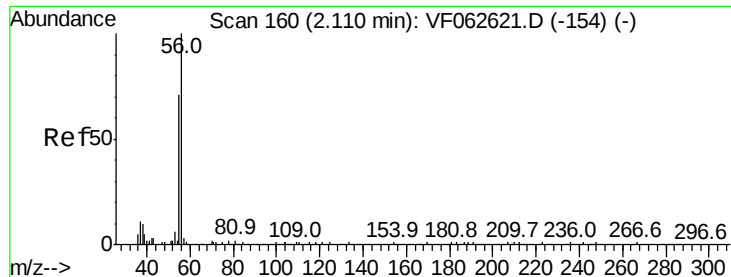


#12

1,1-Dichloroethene
 Concen: 321.683 ug/l
 RT: 1.80 min Scan# 129
 Delta R.T. -0.07 min
 Lab File: VF062788.D
 Acq: 29 May 2019 18:10

Tgt Ion: 96 Resp: 367
 Ion Ratio Lower Upper
 96 100
 61 0.0 134.3 201.5#
 98 0.0 55.0 82.6#





#13

Acrolein

Concen: 11382.633 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

Tot Ion: 56 Resp: 704

Ion Ratio Lower Upper

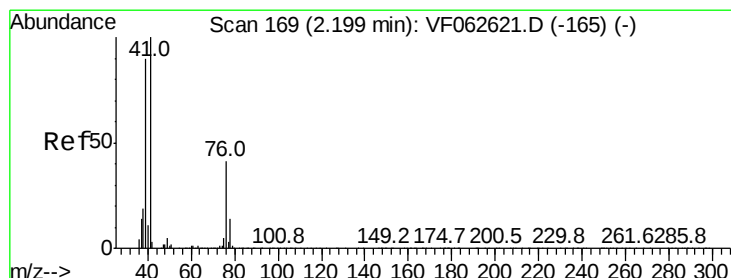
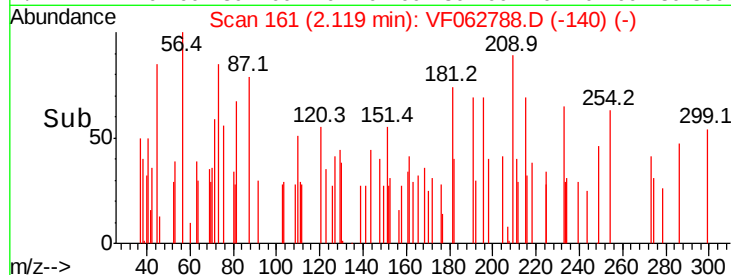
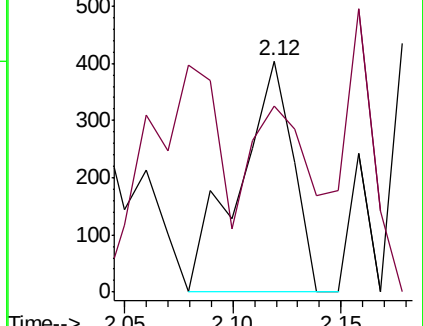
56 100

55 80.4 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 384.483 ug/l

RT: 2.16 min Scan# 165

Delta R.T. -0.04 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

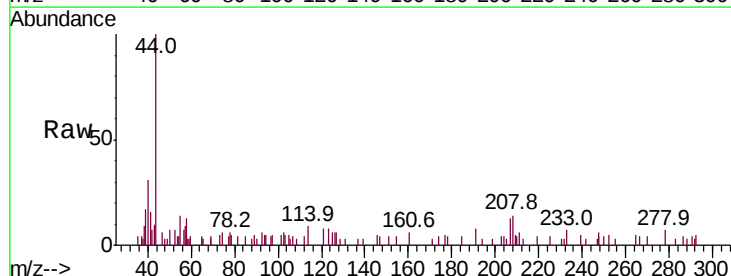
Tgt Ion: 41 Resp: 397

Ion Ratio Lower Upper

41 100

39 110.5 72.0 108.0#

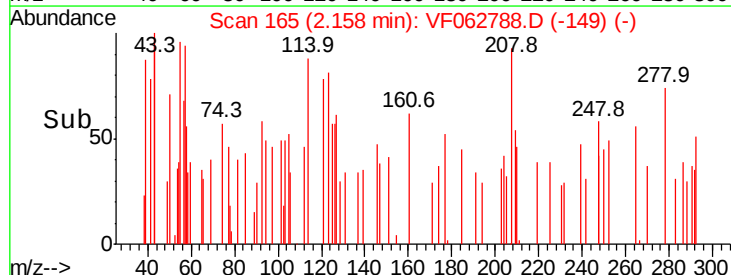
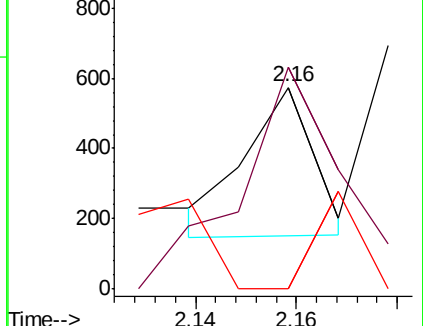
76 0.0 34.8 52.2#

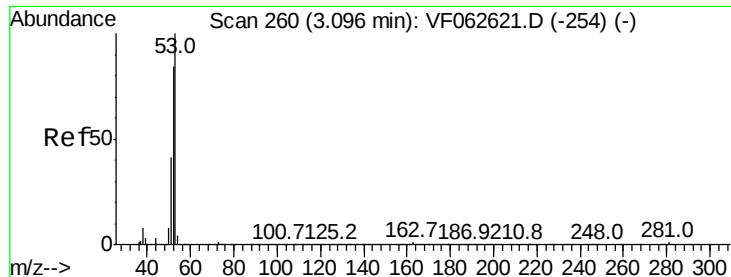


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 2536.887 ug/l

RT: 3.04 min Scan# 254

Delta R.T. -0.06 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

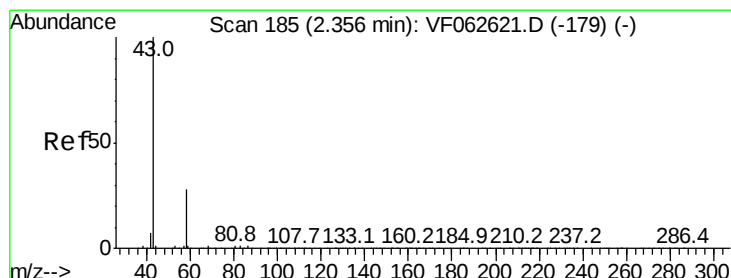
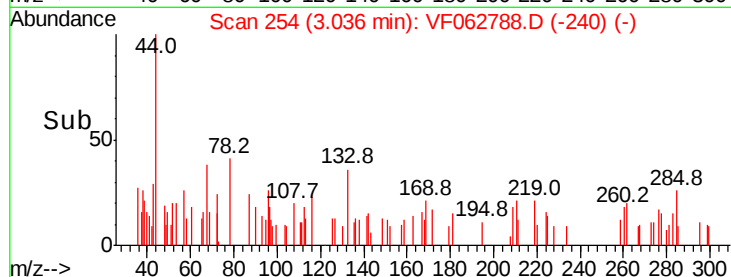
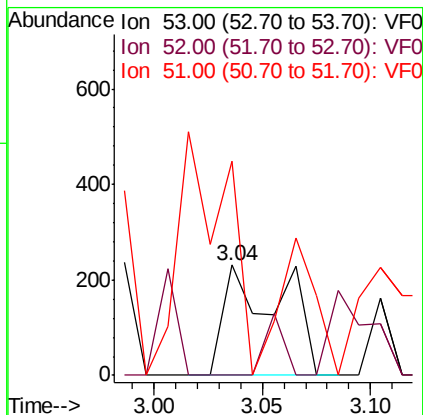
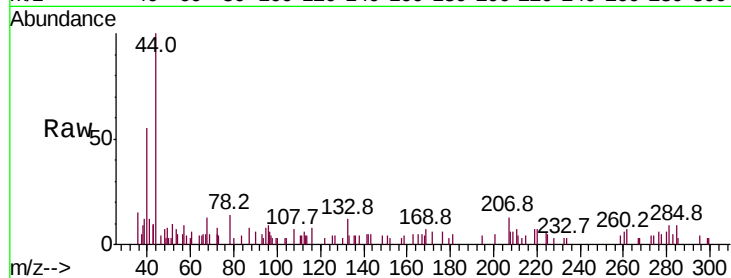
Tot Ion: 53 Resp: 424

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 194.8 33.0 49.6#



#16

Acetone

Concen: 4673.017 ug/l

RT: 2.30 min Scan# 179

Delta R.T. -0.06 min

Lab File: VF062788.D

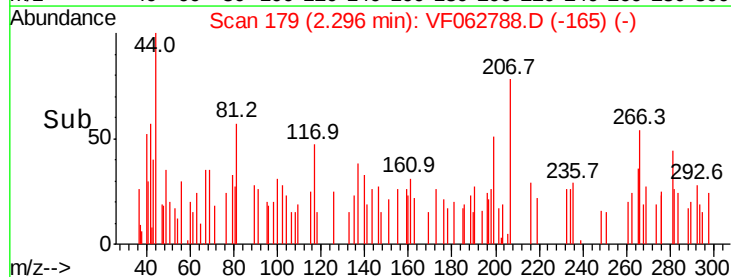
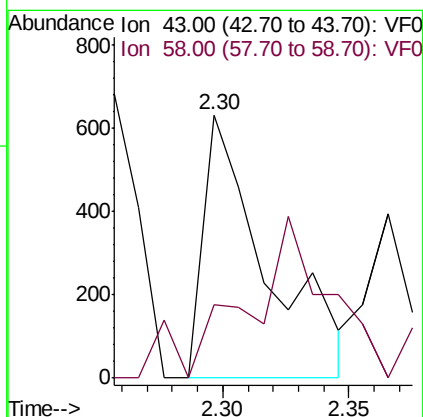
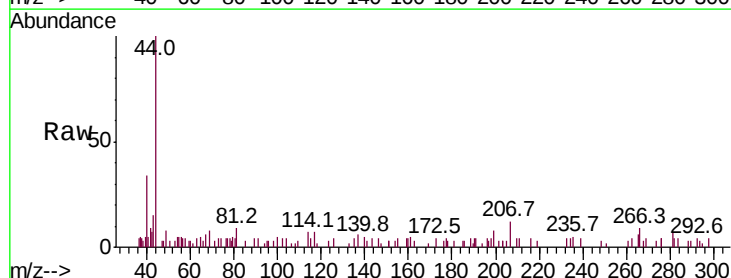
Acq: 29 May 2019 18:10

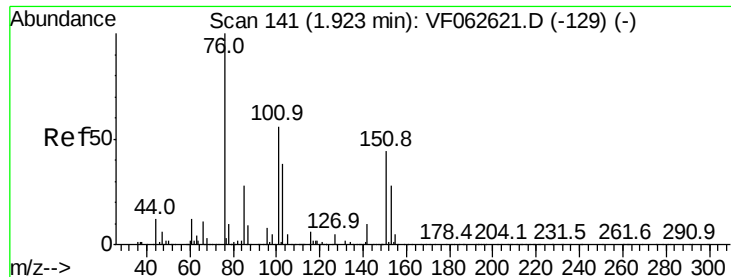
Tgt Ion: 43 Resp: 1088

Ion Ratio Lower Upper

43 100

58 27.5 22.6 33.8





#17

Carbon Disulfide

Concen: 167.676 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

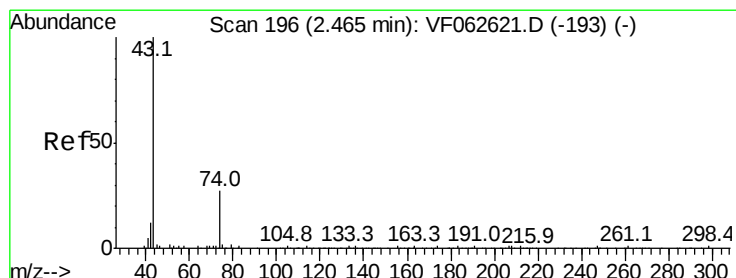
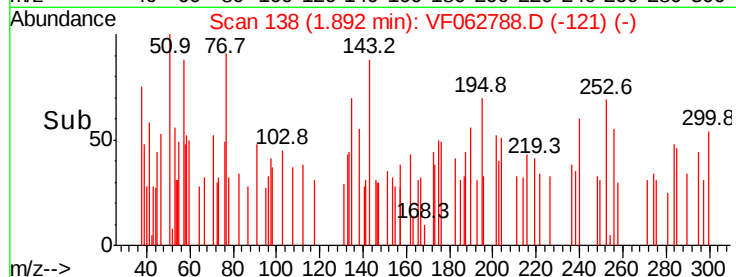
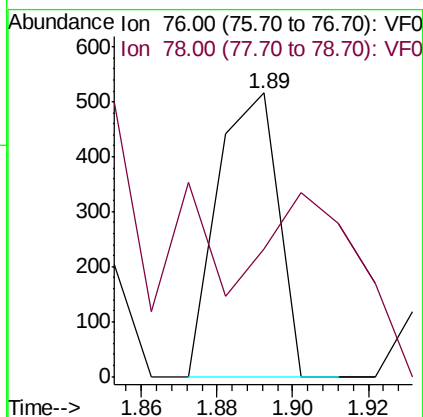
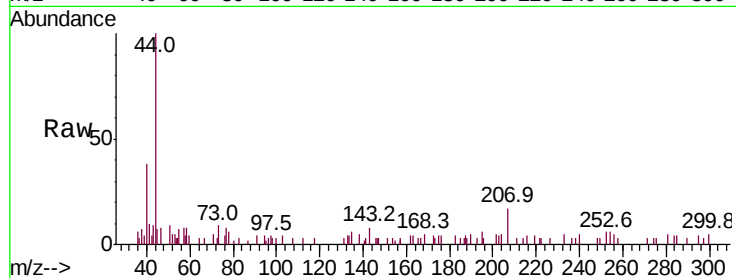
TEST-PIT-7RE

Tot Ion: 76 Resp: 567

Ion Ratio Lower Upper

76 100

78 44.8 8.4 12.6#



#18

Methyl Acetate

Concen: 2973.727 ug/l

RT: 2.30 min Scan# 179

Delta R.T. -0.17 min

Lab File: VF062788.D

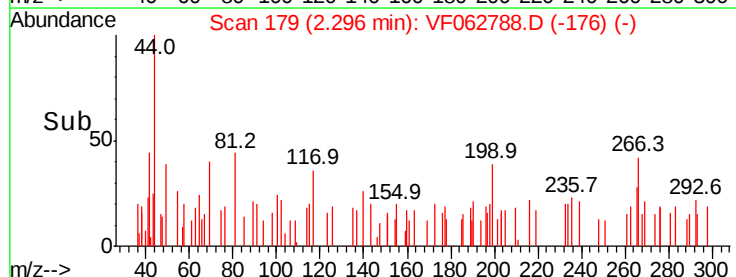
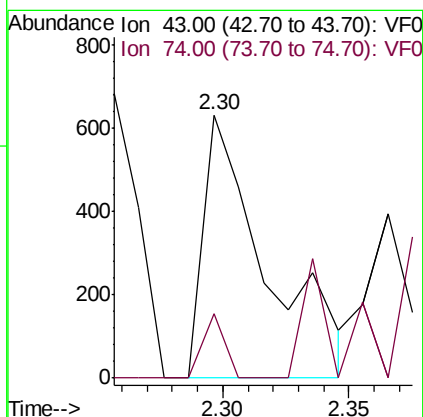
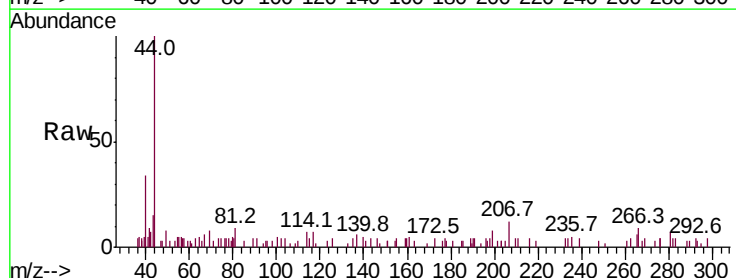
Acq: 29 May 2019 18:10

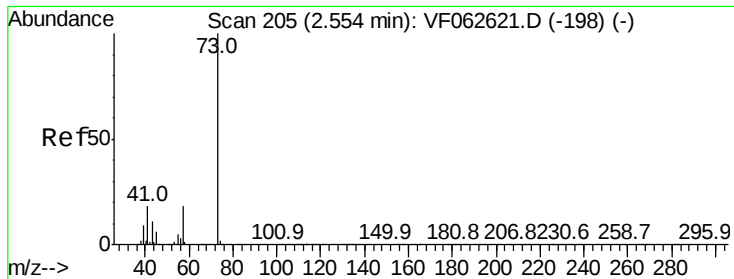
Tgt Ion: 43 Resp: 1088

Ion Ratio Lower Upper

43 100

74 24.3 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 83.845 ug/l

RT: 2.50 min Scan# 200

Delta R.T. -0.05 min

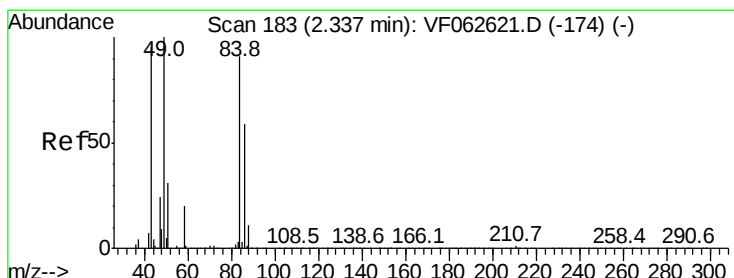
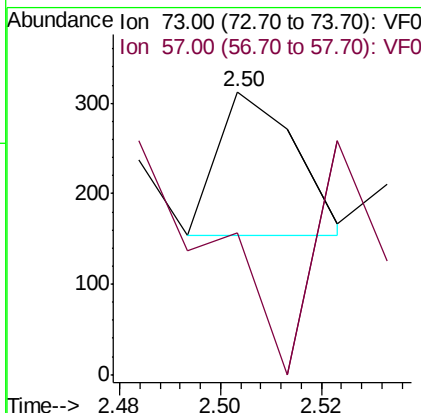
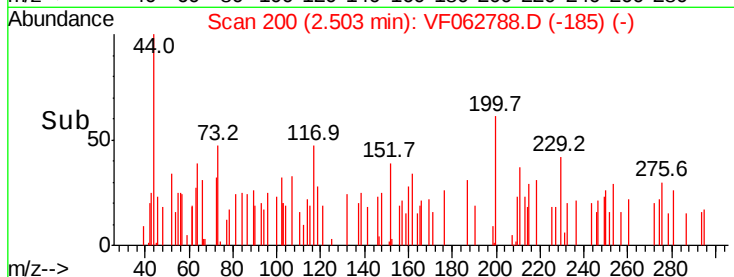
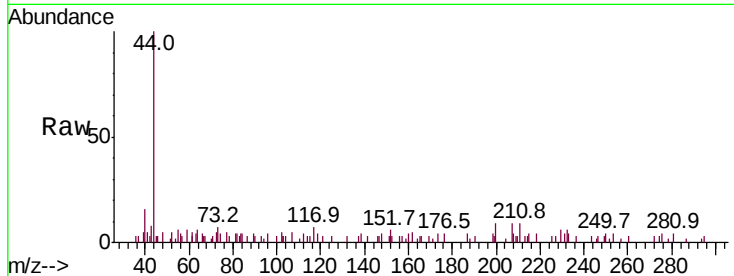
Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

Tot Ion: 73 Resp: 171

Ion	Ratio	Lower	Upper
73	100		
57	50.2	14.2	21.4#



#20

Methylene Chloride

Concen: 209.935 ug/l

RT: 2.29 min Scan# 178

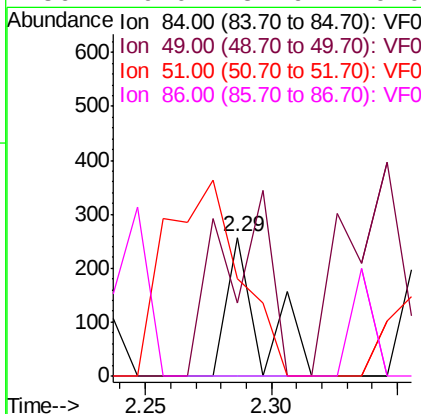
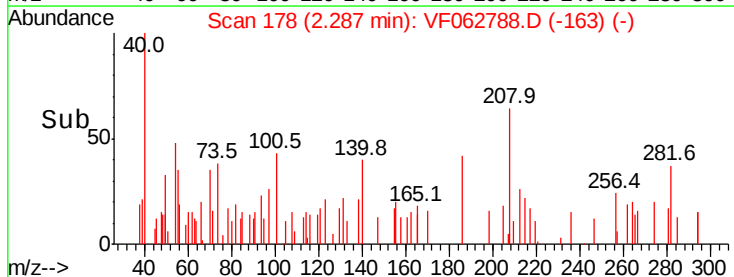
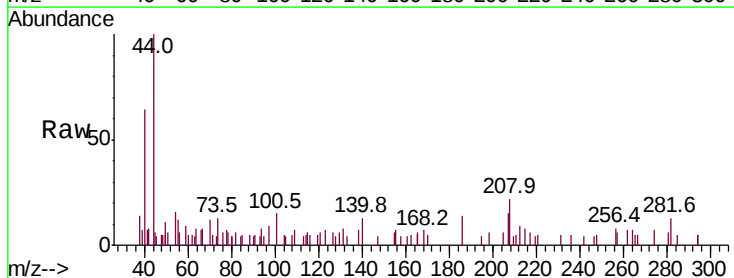
Delta R.T. -0.05 min

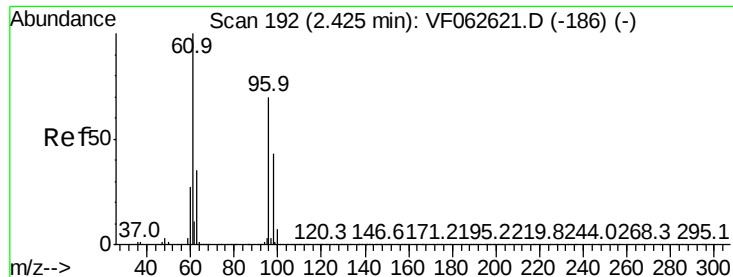
Lab File: VF062788.D

Acq: 29 May 2019 18:10

Tgt Ion: 84 Resp: 245

Ion	Ratio	Lower	Upper
84	100		
49	52.5	89.8	134.8#
51	70.0	28.4	42.6#
86	0.0	52.6	79.0#





#21

trans-1,2-Dichloroethene

Concen: 229.573 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.08 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

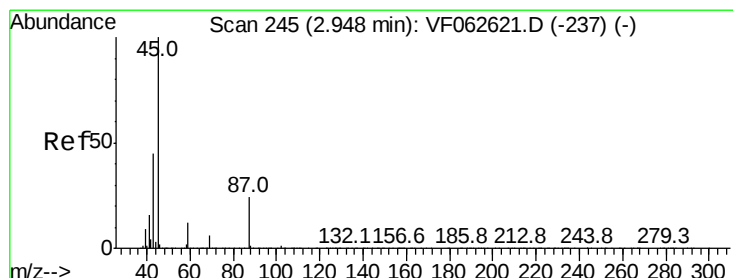
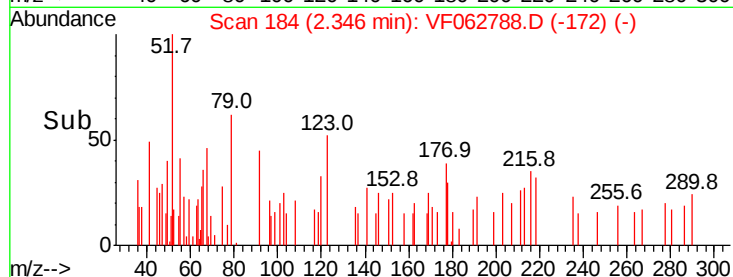
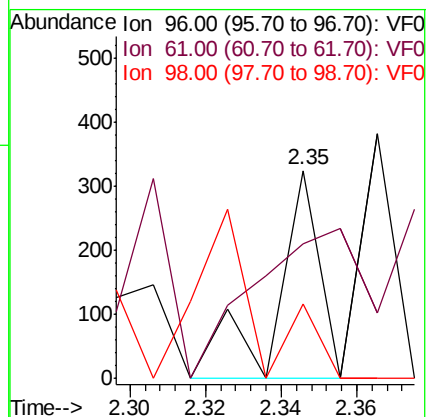
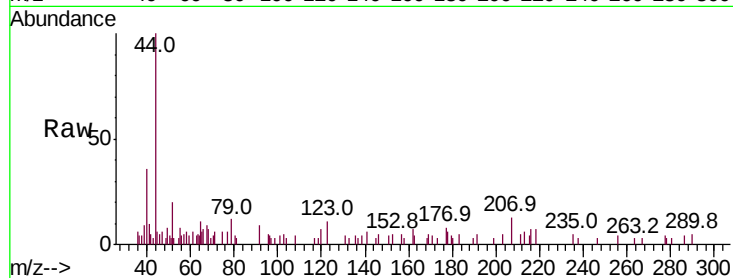
Tot Ion: 96 Resp: 256

Ion Ratio Lower Upper

96 100

61 64.5 114.6 171.8#

98 35.5 49.5 74.3#



#22

Diisopropyl ether

Concen: 69.110 ug/l

RT: 2.89 min Scan# 239

Delta R.T. -0.06 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Tgt Ion: 45 Resp: 176

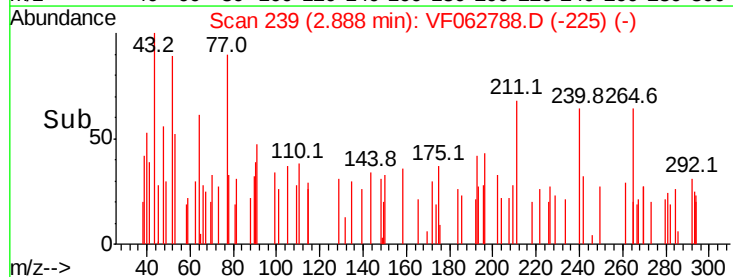
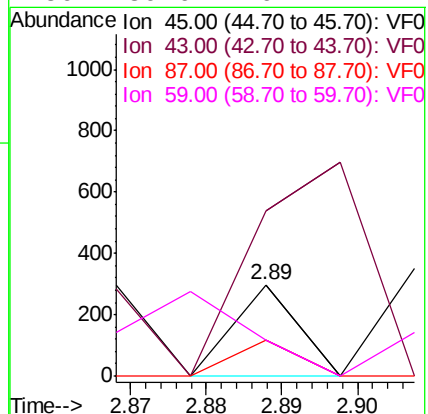
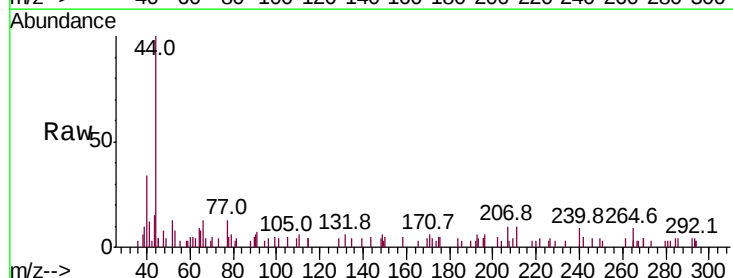
Ion Ratio Lower Upper

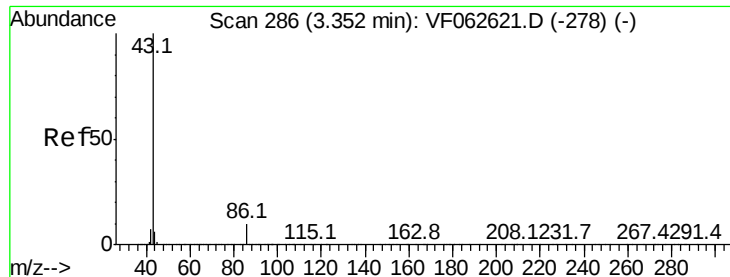
45 100

43 180.5 36.4 54.6#

87 38.9 19.3 28.9#

59 39.6 9.4 14.2#





#23

Vinyl Acetate

Concen: 1018.091 ug/l

RT: 3.28 min Scan# 279

Delta R.T. -0.07 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

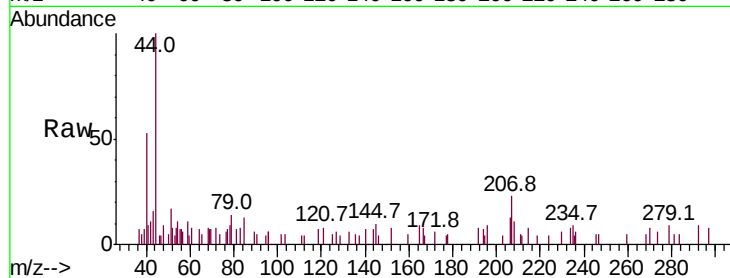
TEST-PIT-7RE

Tot Ion: 43 Resp: 1749

Ion Ratio Lower Upper

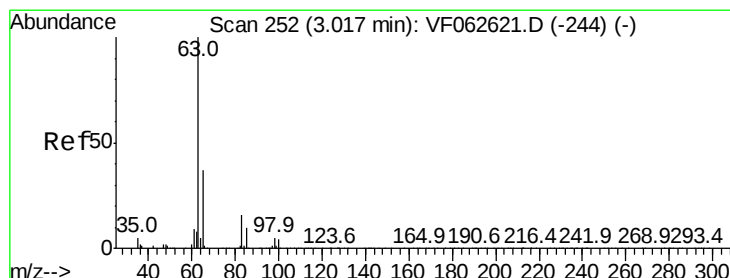
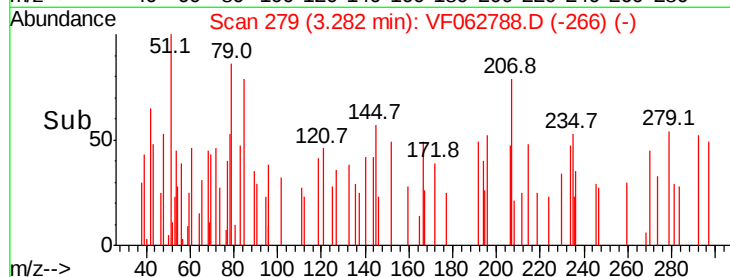
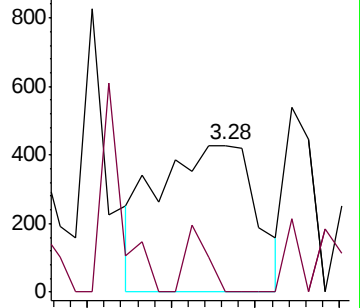
43 100

86 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 286.365 ug/l

RT: 2.96 min Scan# 246

Delta R.T. -0.06 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

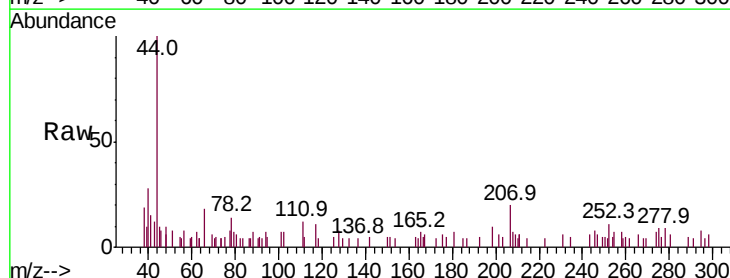
Tgt Ion: 63 Resp: 535

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

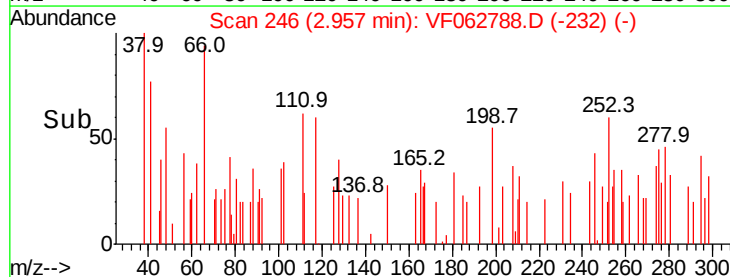
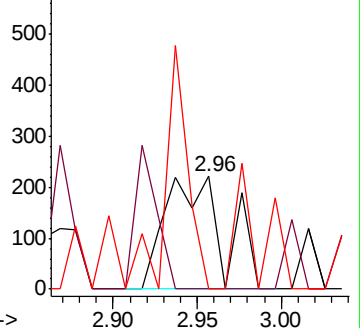
100 0.0 1.9 5.7#

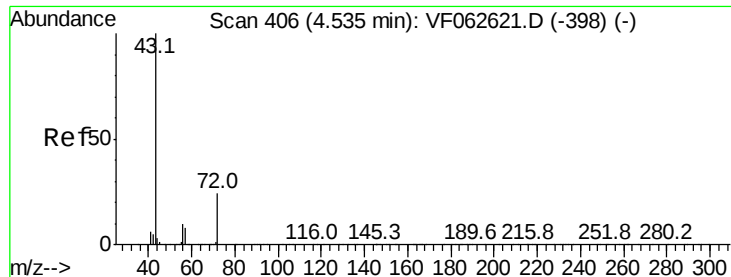


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 2275.690 ug/l

RT: 4.39 min Scan# 391

Delta R.T. -0.15 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

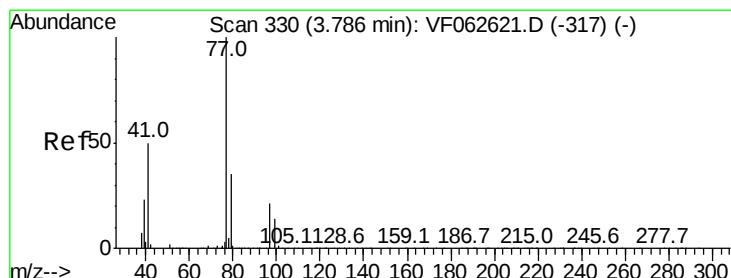
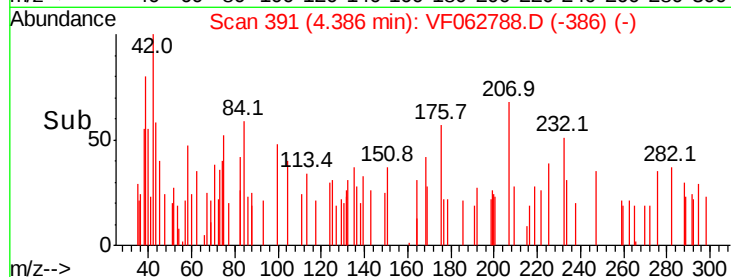
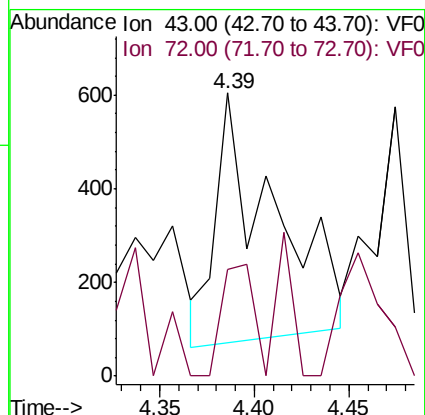
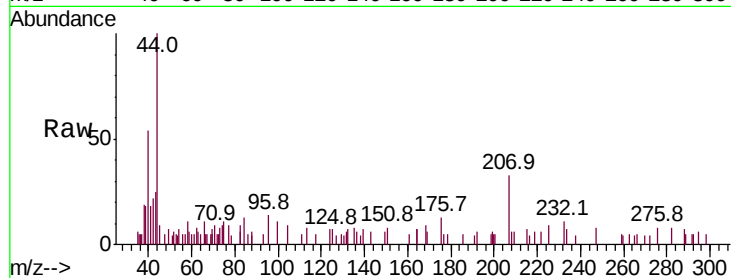
TEST-PIT-7RE

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

72 37.6 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 696.952 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.17 min

Lab File: VF062788.D

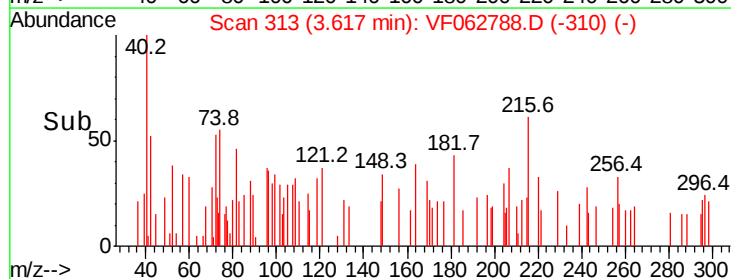
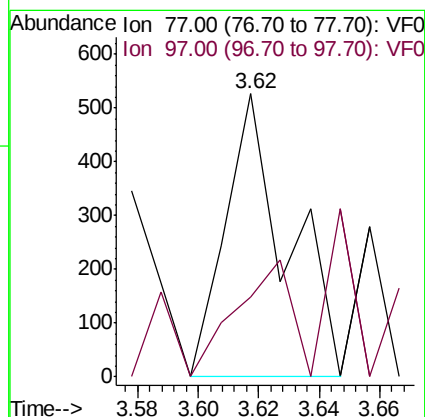
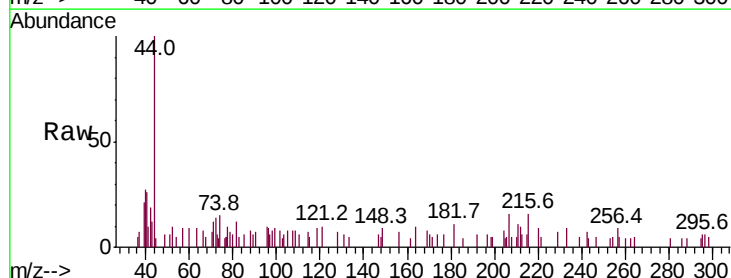
Acq: 29 May 2019 18:10

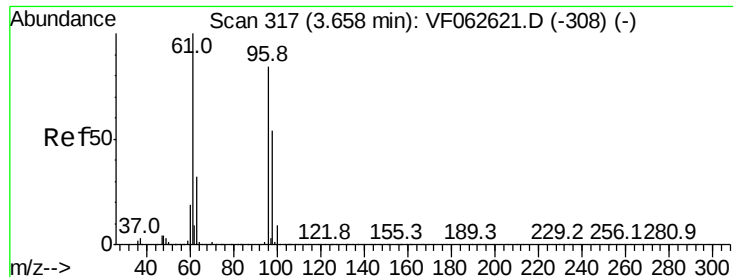
Tgt Ion: 77 Resp: 745

Ion Ratio Lower Upper

77 100

97 28.3 14.1 42.4



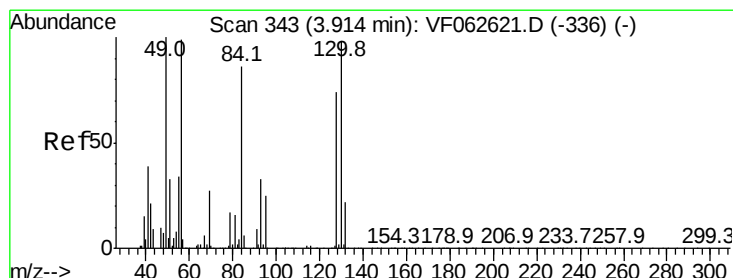
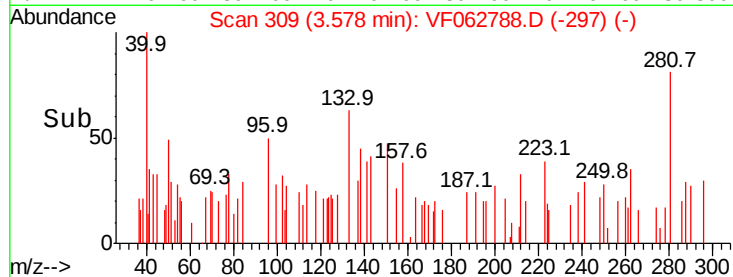
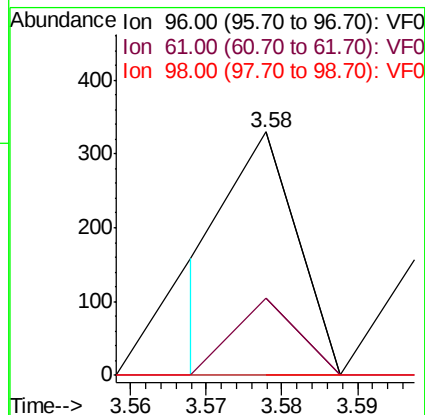
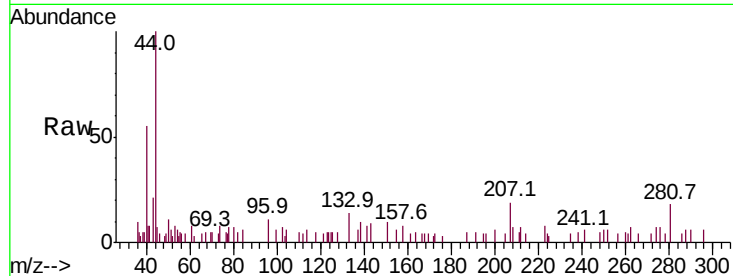


#27

cis-1,2-Dichloroethene
Concen: 106.310 ug/l
RT: 3.58 min Scan# 309
Delta R.T. -0.08 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

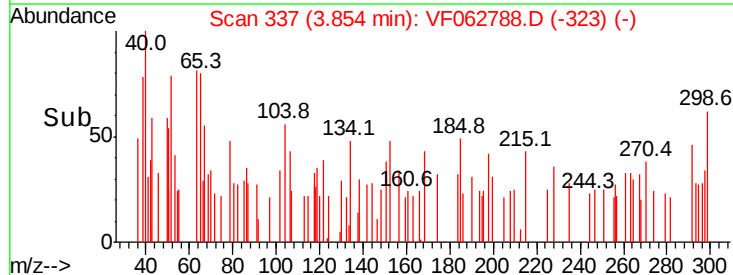
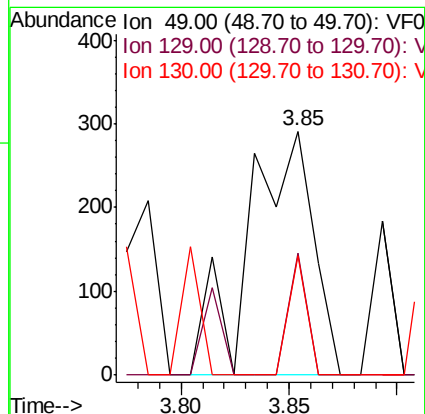
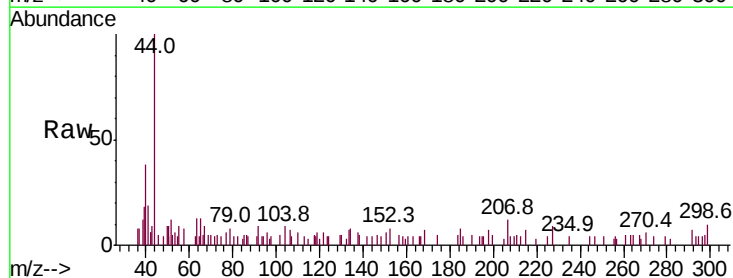
Tot Ion:	96	Resp:	195
Ion	Ratio	Lower	Upper
96	100		
61	31.8	0.0	237.4
98	0.0	0.0	129.0

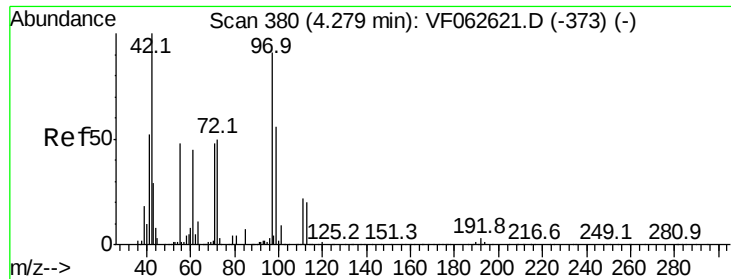


#28

Bromochloromethane
Concen: 582.174 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.06 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion:	49	Resp:	610
Ion	Ratio	Lower	Upper
49	100		
129	50.2	0.0	4.0#
130	48.8	77.8	116.8#





#29

Tetrahydrofuran

Concen: 2876.399 ug/l

RT: 3.80 min Scan# 332

Delta R.T. -0.47 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

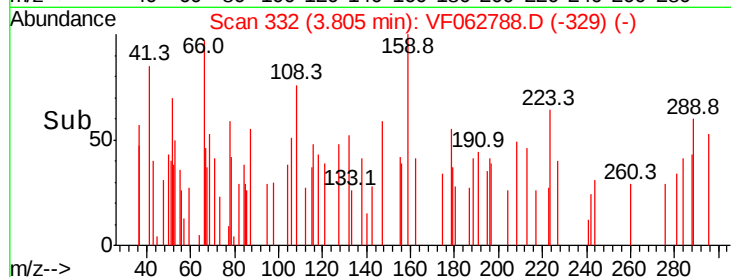
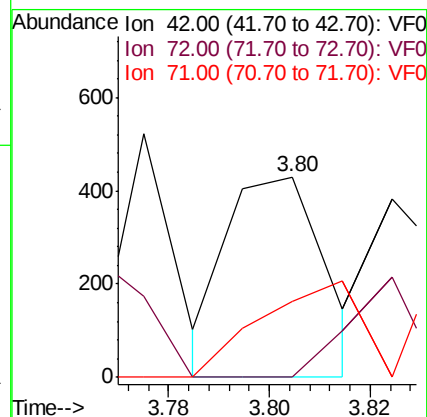
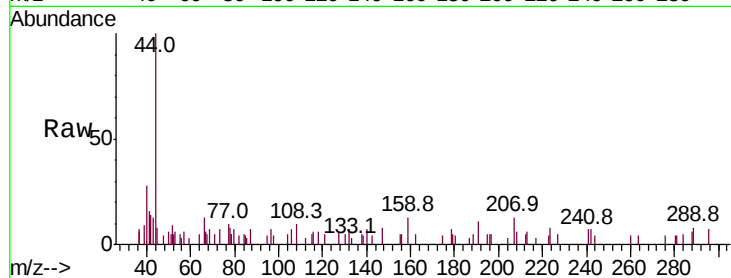
Tot Ion: 42 Resp: 579

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.2

71 48.4 35.8 53.6



#30

Chloroform

Concen: 74.792 ug/l

RT: 3.96 min Scan# 348

Delta R.T. -0.10 min

Lab File: VF062788.D

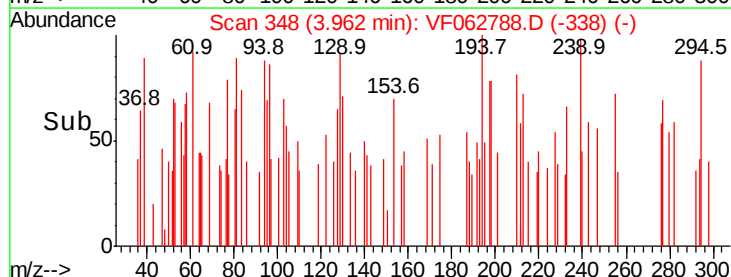
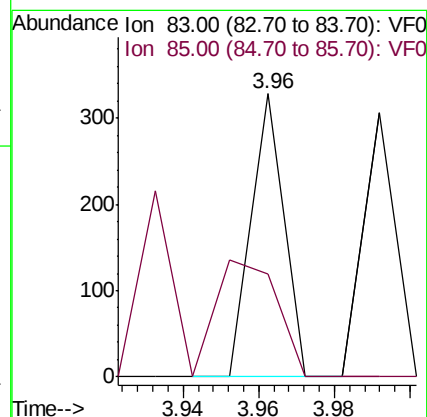
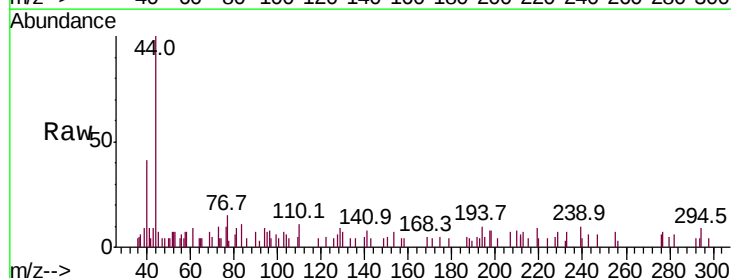
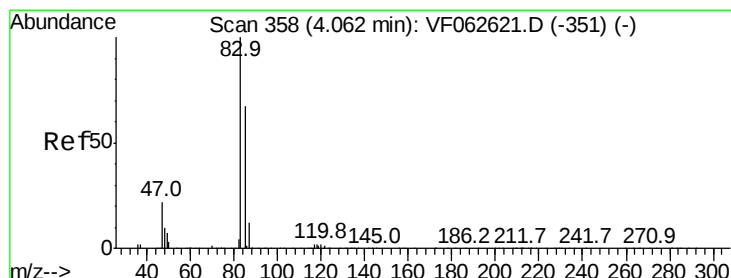
Acq: 29 May 2019 18:10

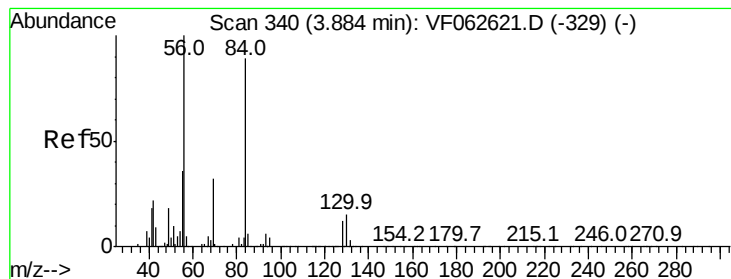
Tgt Ion: 83 Resp: 194

Ion Ratio Lower Upper

83 100

85 36.3 53.6 80.4#





#31

Cvclohexane

Concen: 119.594 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.12 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

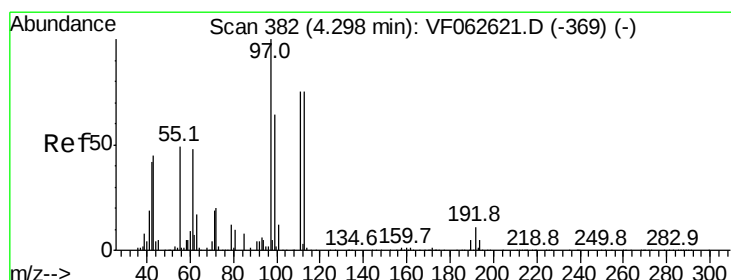
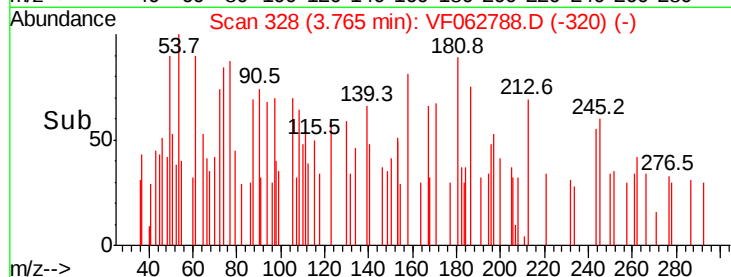
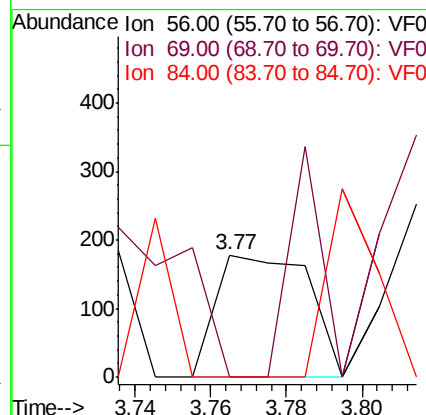
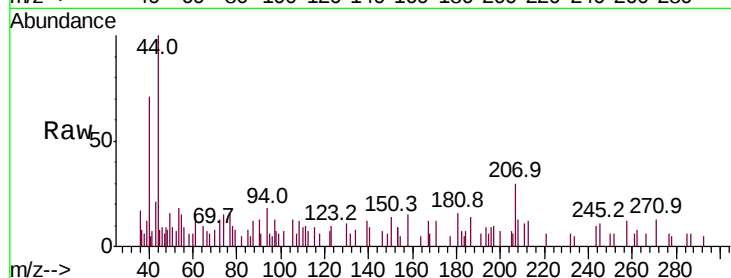
Tot Ion: 56 Resp: 300

Ion Ratio Lower Upper

56 100

69 84.3 25.3 37.9#

84 0.0 71.0 106.4#



#32

1,1,1-Trichloroethane

Concen: 285.026 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.05 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

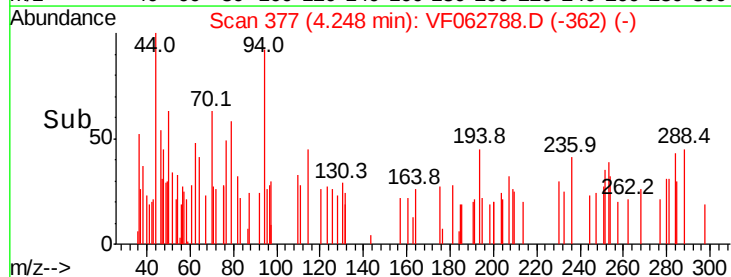
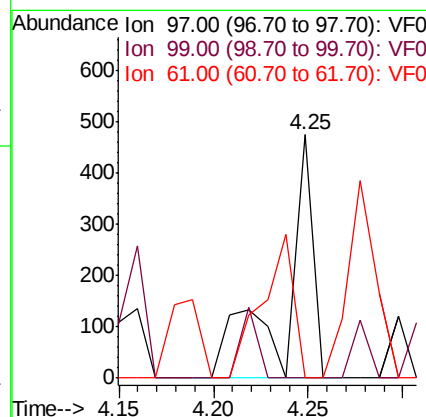
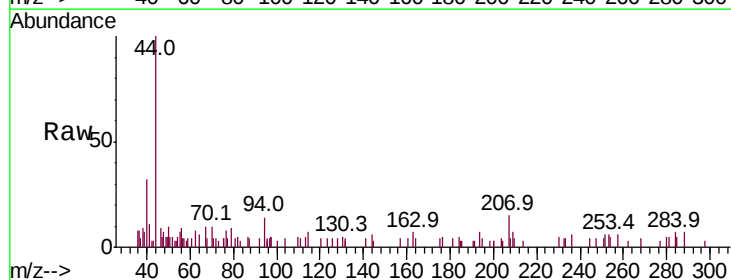
Tgt Ion: 97 Resp: 491

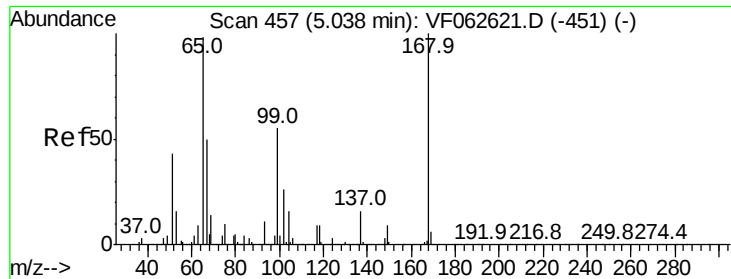
Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 743.221 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.09 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

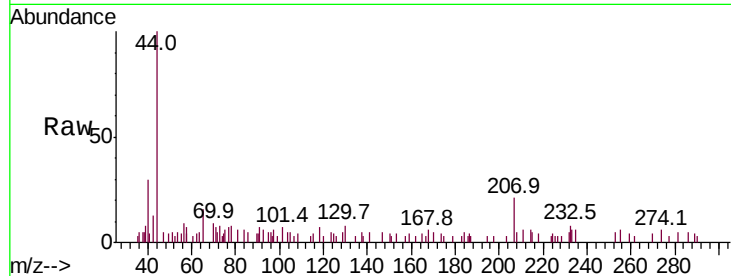
TEST-PIT-7RE

Tot Ion: 65 Resp: 667

Ion Ratio Lower Upper

65 100

67 0.0 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

600

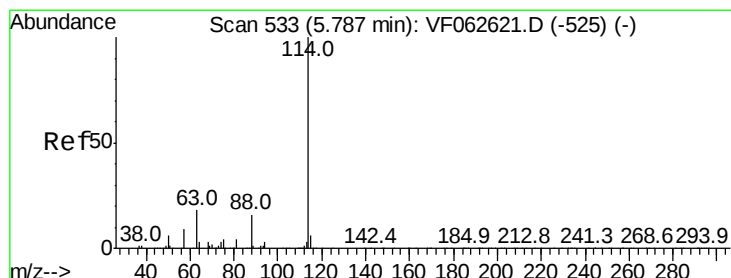
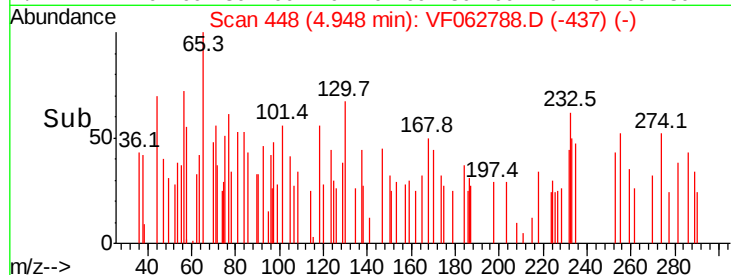
400

200

0

4.92 4.94 4.96 4.98

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

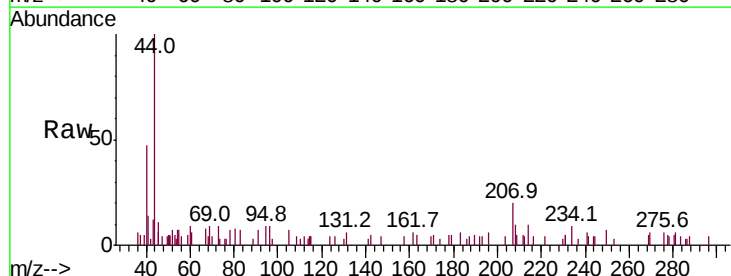
Tgt Ion: 114 Resp: 333

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 0.0 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

400

300

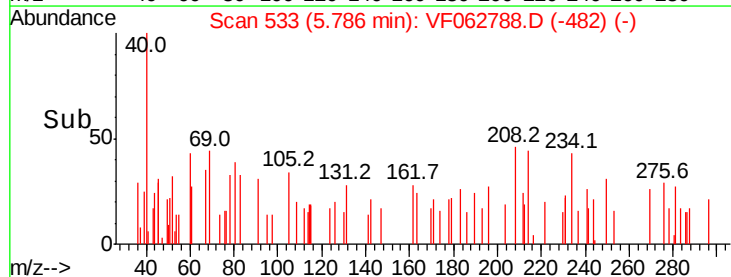
200

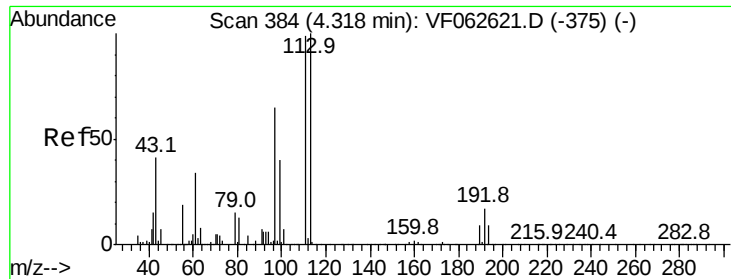
100

0

5.76 5.78 5.80 5.82

Time-->

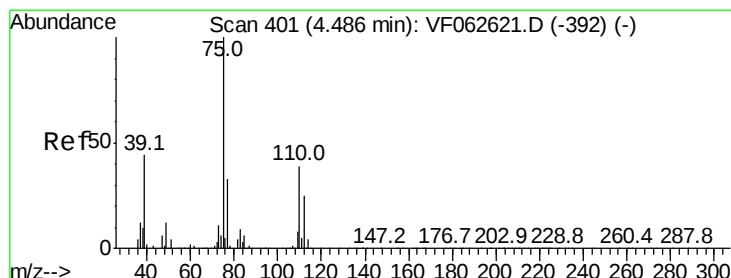
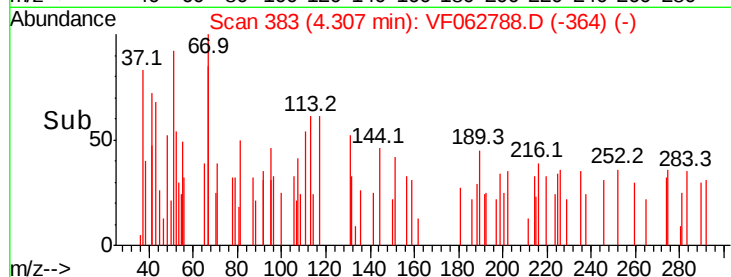
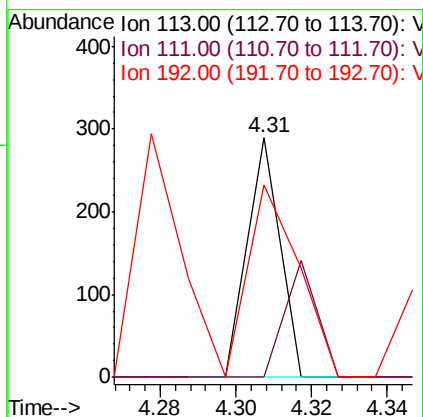
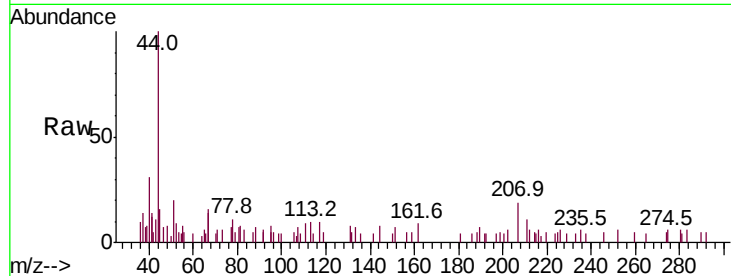




#35
 Dibromofluoromethane
 Concen: 67.108 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062788.D
 Acq: 29 May 2019 18:10

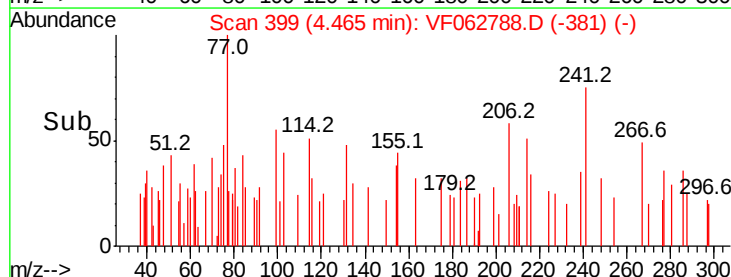
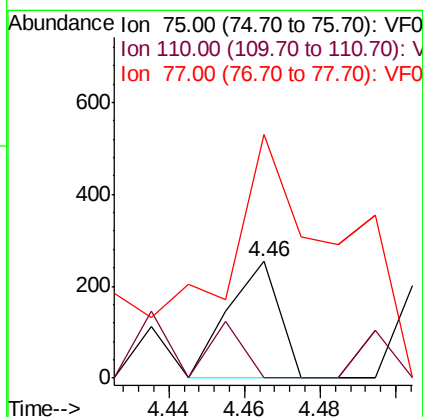
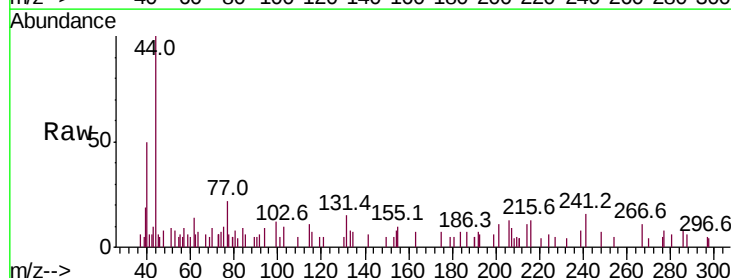
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-7RE

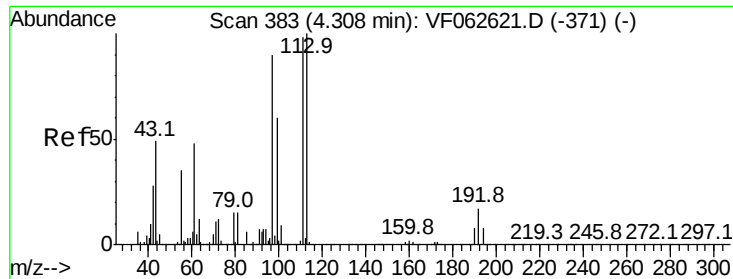
Tot Ion: 113 Resp: 171
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.4 119.2#
 192 80.3 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 69.456 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.02 min
 Lab File: VF062788.D
 Acq: 29 May 2019 18:10

Tgt Ion: 75 Resp: 237
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 208.7 26.3 39.5#

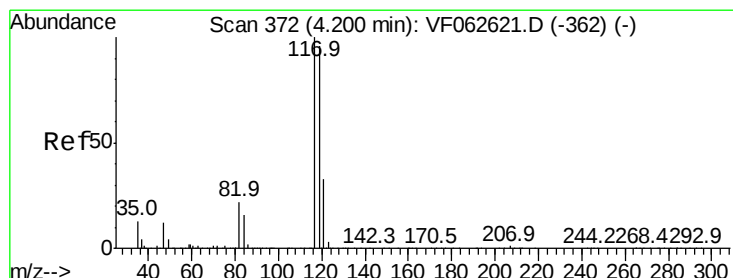
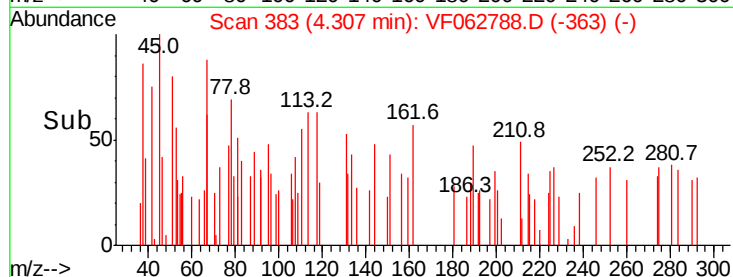
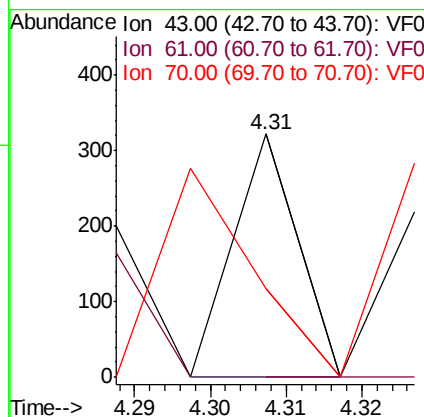
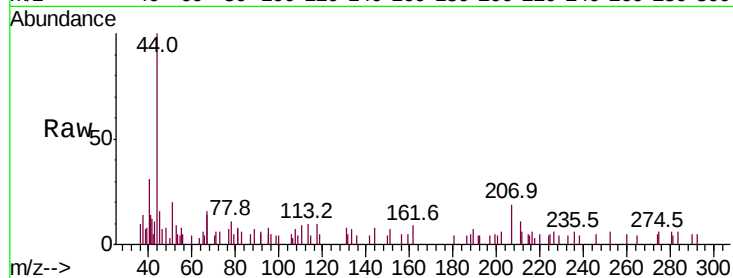




#37
Ethyl Acetate
Concen: 136.375 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

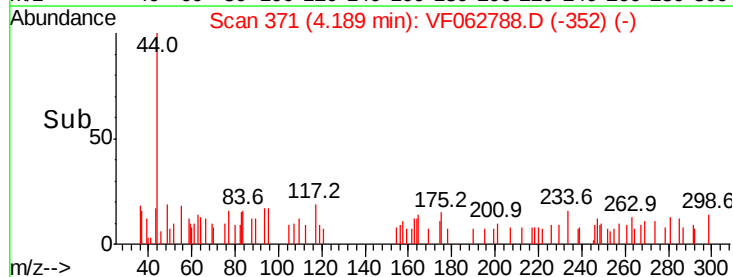
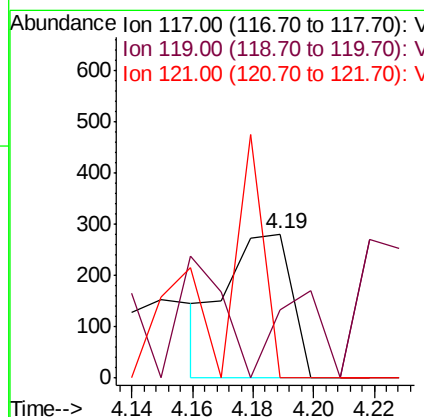
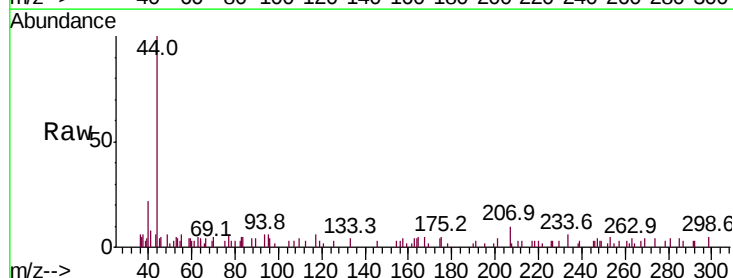
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

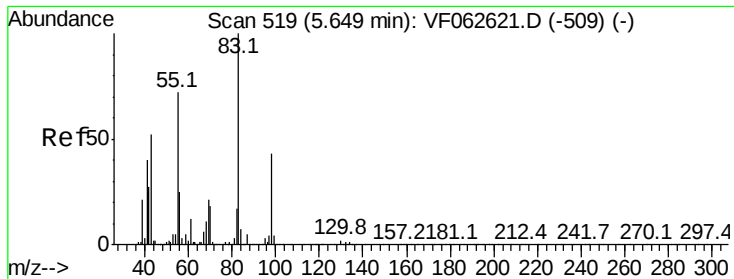
Tot Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
61 0.0 76.9 115.3#
70 36.3 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 163.273 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion: 117 Resp: 419
Ion Ratio Lower Upper
117 100
119 47.2 76.7 115.1#
121 0.0 26.6 40.0#

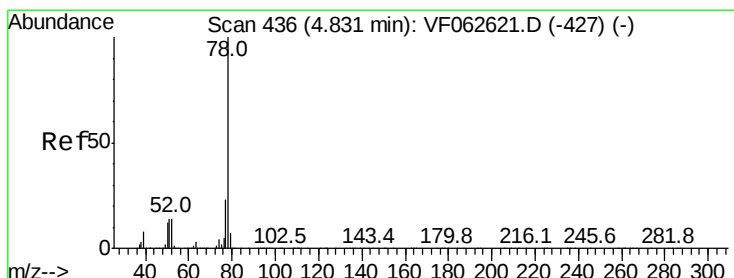
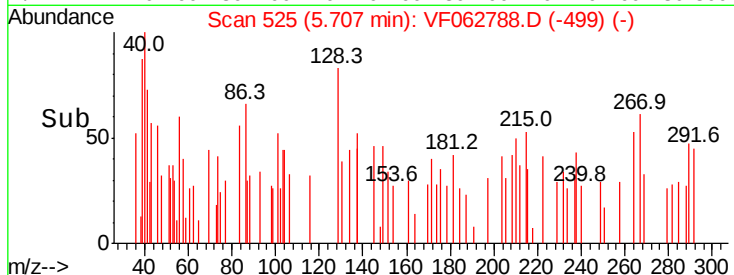
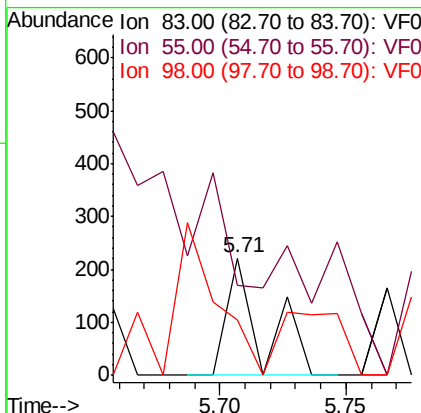
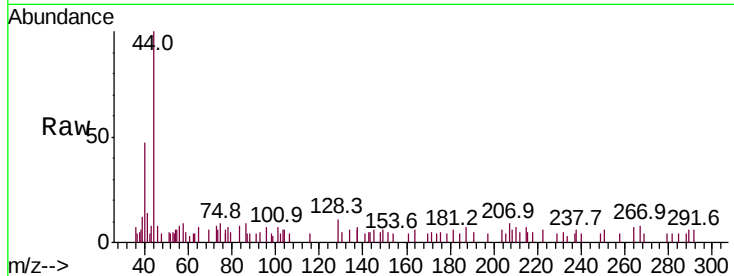




#39
Methvlcvclohexane
Concen: 53.340 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.06 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

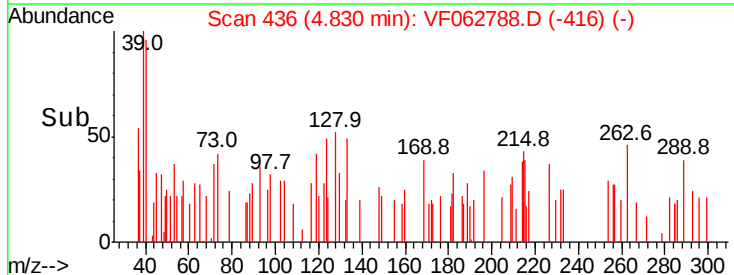
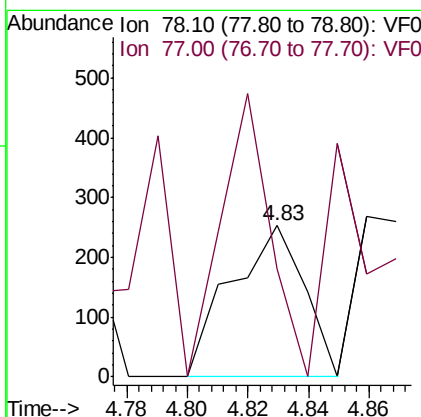
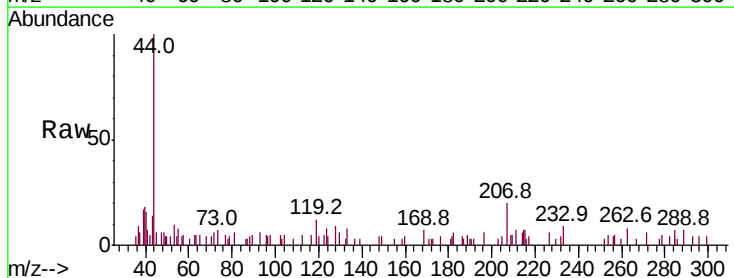
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

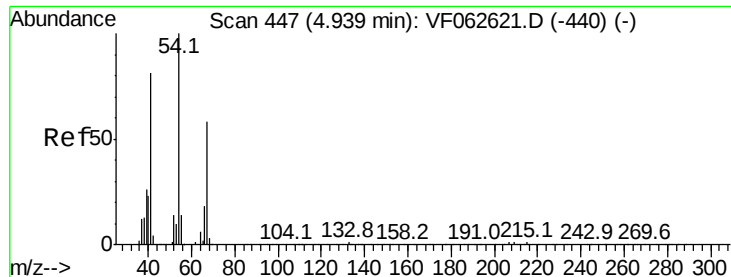
Tot Ion: 83 Resp: 219
Ion Ratio Lower Upper
83 100
55 76.9 57.9 86.9
98 47.5 34.6 52.0



#40
Benzene
Concen: 45.612 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion: 78 Resp: 424
Ion Ratio Lower Upper
78 100
77 71.5 18.2 27.2#





#41

Methacrylonitrile

Concen: 609.235 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

Tot Ion: 41 Resp: 445

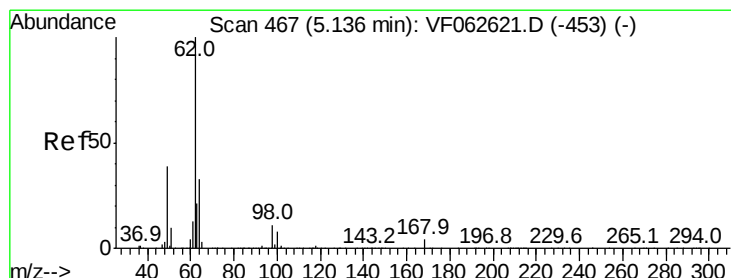
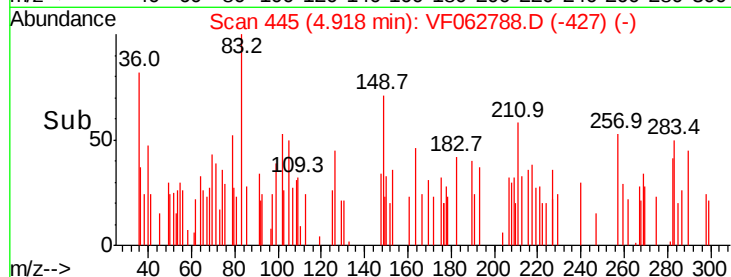
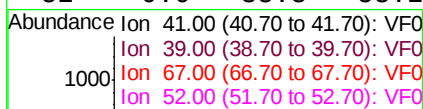
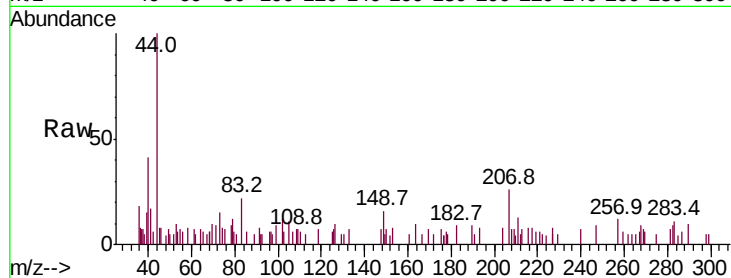
Ion Ratio Lower Upper

41 100

39 92.2 42.2 63.2#

67 31.3 56.4 84.6#

52 0.0 38.8 58.2#



#42

1,2-Dichloroethane

Concen: 279.436 ug/l

RT: 5.10 min Scan# 463

Delta R.T. -0.04 min

Lab File: VF062788.D

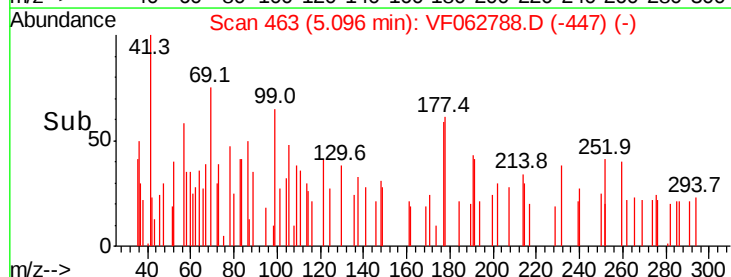
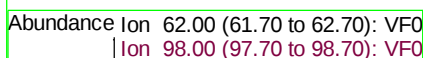
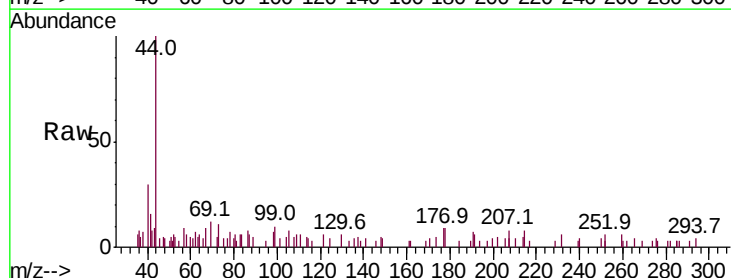
Acq: 29 May 2019 18:10

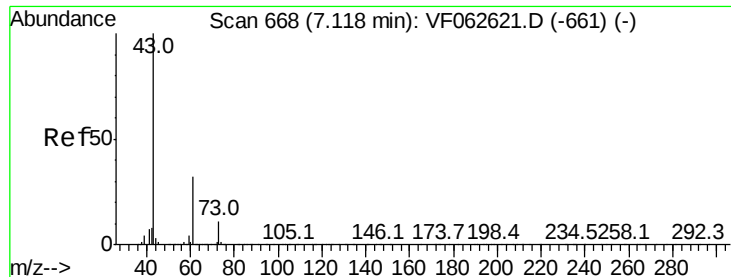
Tgt Ion: 62 Resp: 518

Ion Ratio Lower Upper

62 100

98 87.7 0.0 21.6#





#43

Isopropyl Acetate

Concen: 290.311 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

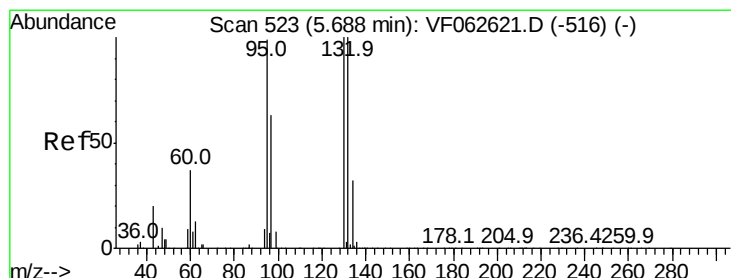
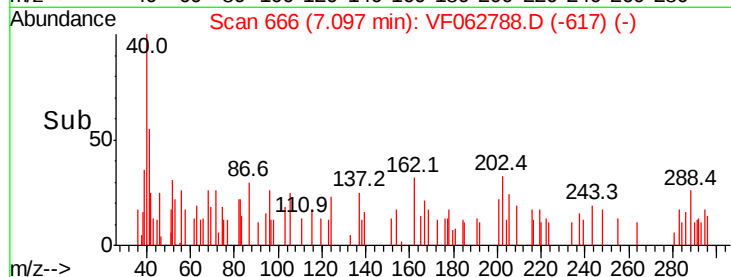
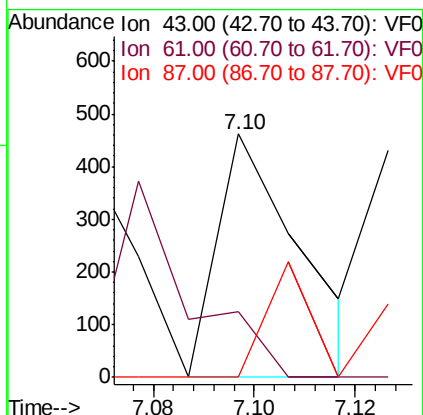
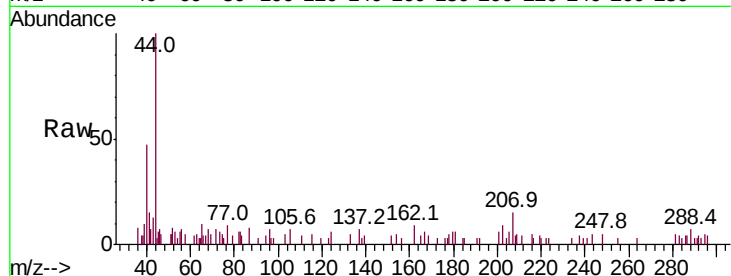
Tot Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

61 27.1 25.8 38.8

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 88.417 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.03 min

Lab File: VF062788.D

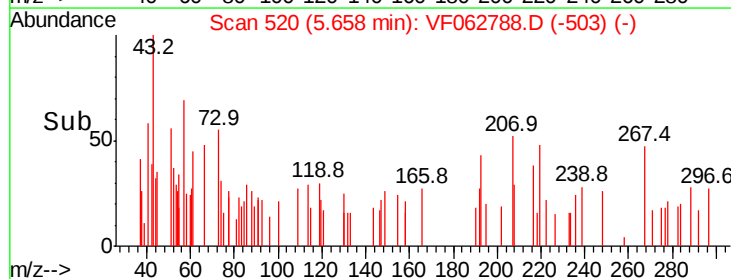
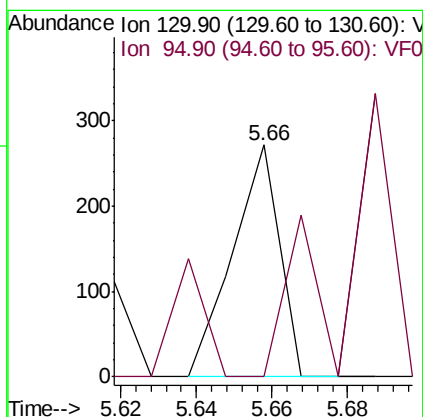
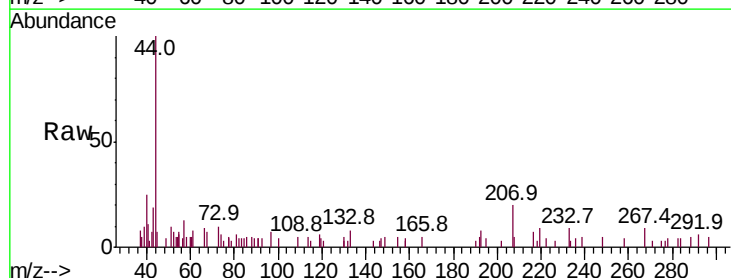
Acq: 29 May 2019 18:10

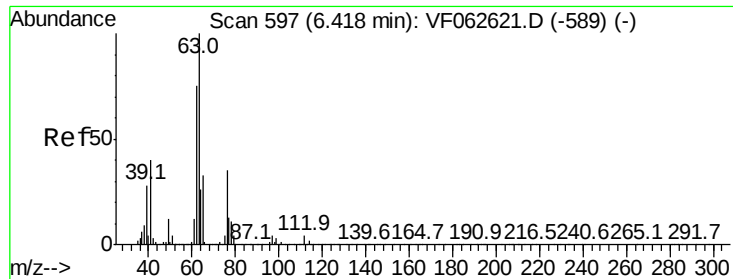
Tgt Ion: 130 Resp: 231

Ion Ratio Lower Upper

130 100

95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 28.126 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

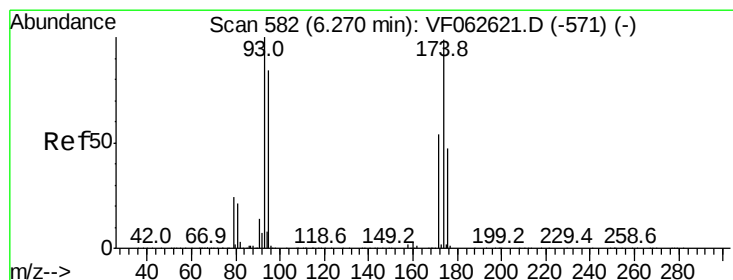
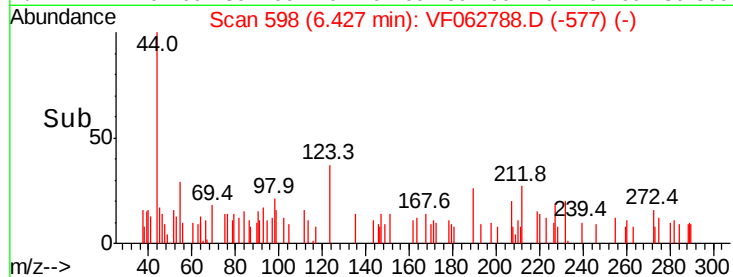
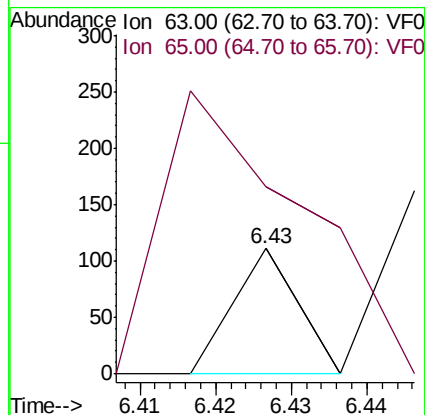
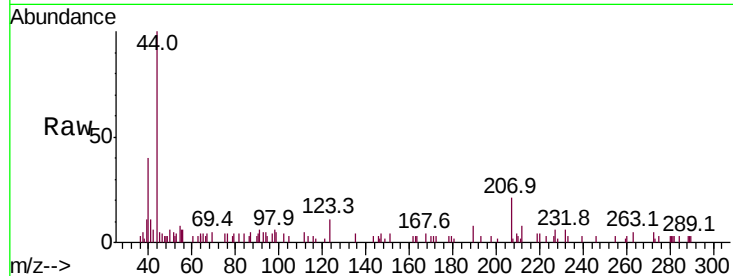
TEST-PIT-7RE

Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

65 149.5 26.3 39.5#



#46

Dibromomethane

Concen: 238.172 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

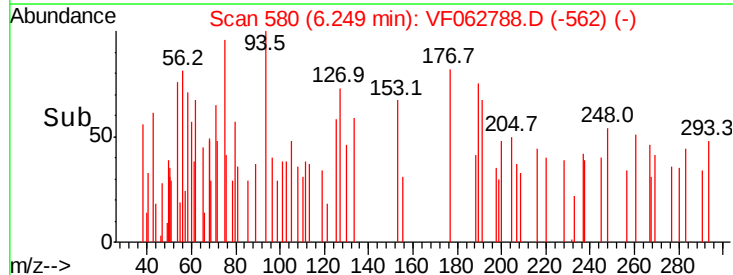
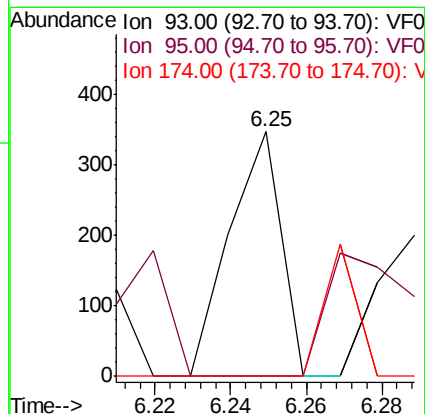
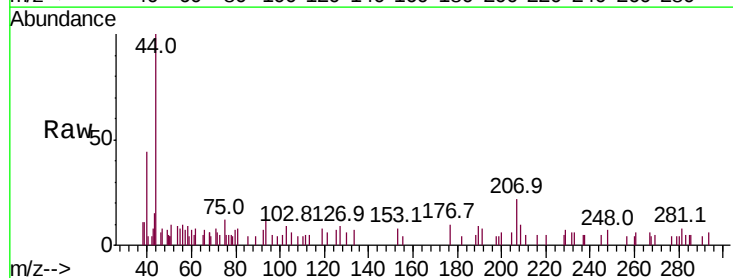
Tgt Ion: 93 Resp: 323

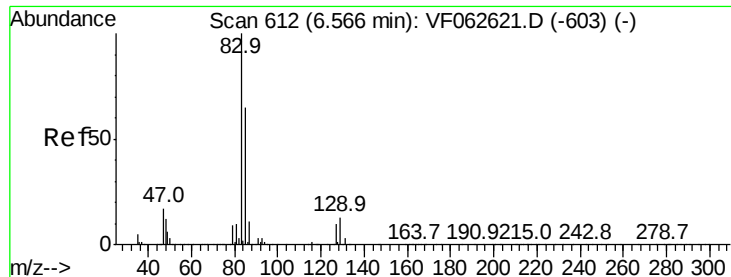
Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 73.879 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

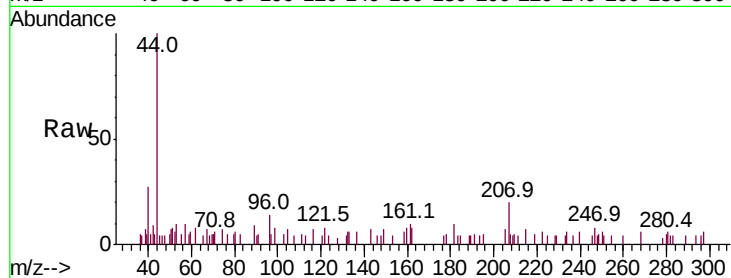
Tot Ion: 83 Resp: 208

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

127 71.4 7.7 11.5#



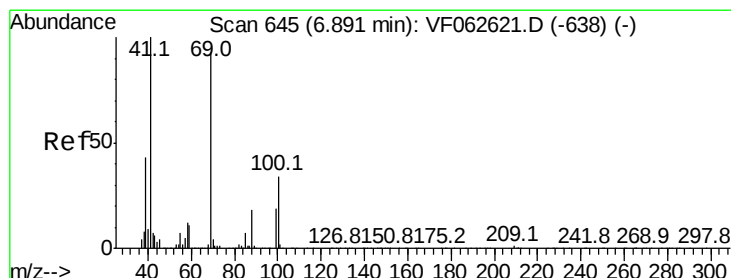
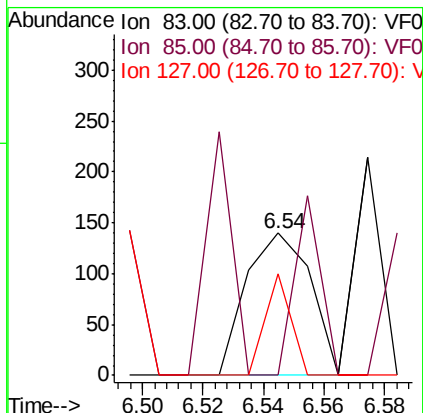
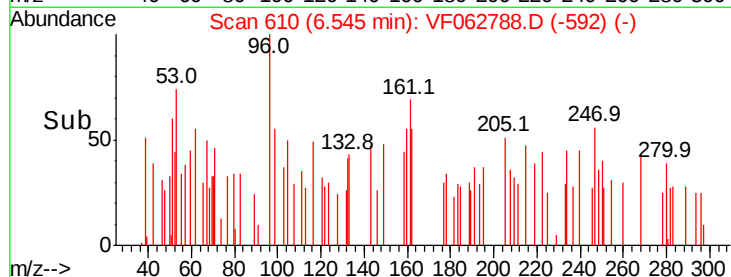
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

Time-->

6.50 6.52 6.54 6.56 6.58



#48

Methyl methacrylate

Concen: 755.758 ug/l

RT: 7.00 min Scan# 656

Delta R.T. 0.11 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

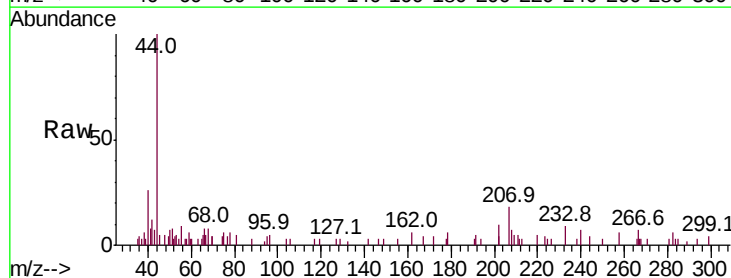
Tgt Ion: 41 Resp: 713

Ion Ratio Lower Upper

41 100

69 103.0 74.2 111.2

39 40.6 34.2 51.4



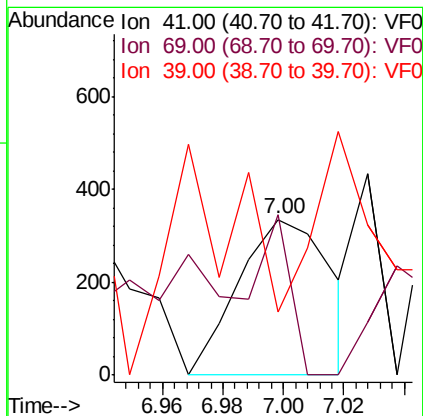
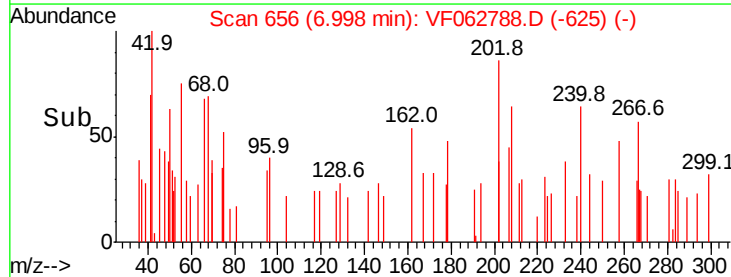
Abundance Ion 41.00 (40.70 to 41.70): VF0

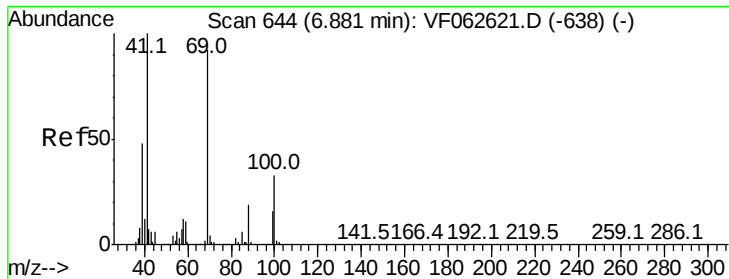
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

6.96 6.98 7.00 7.02

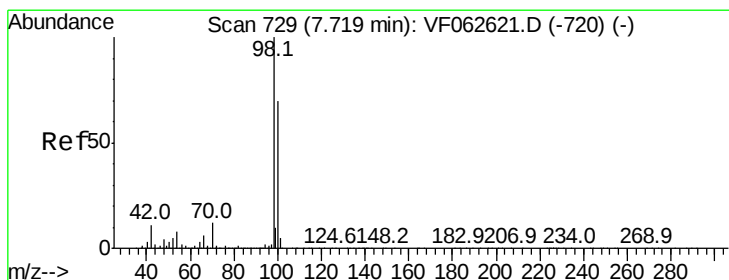
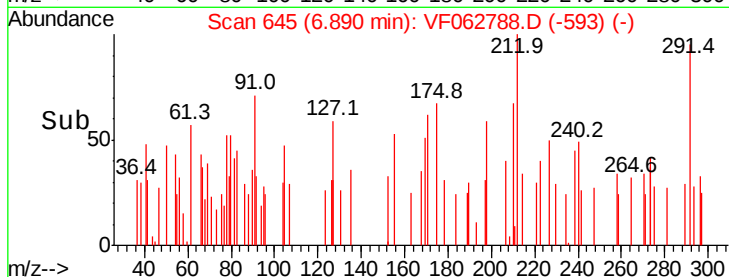
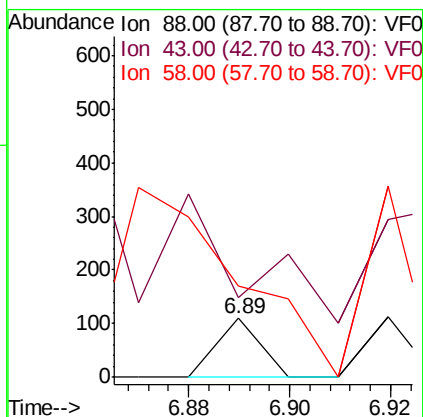
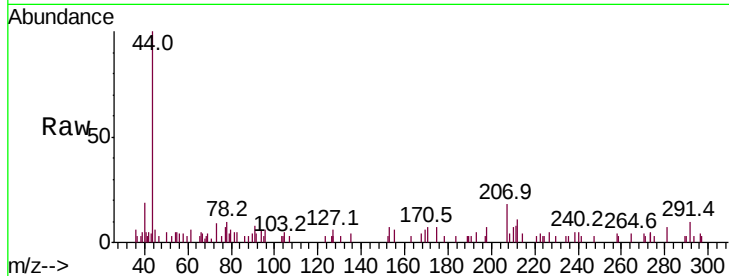




#49
1,4-Dioxane
Concen: 5379.326 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

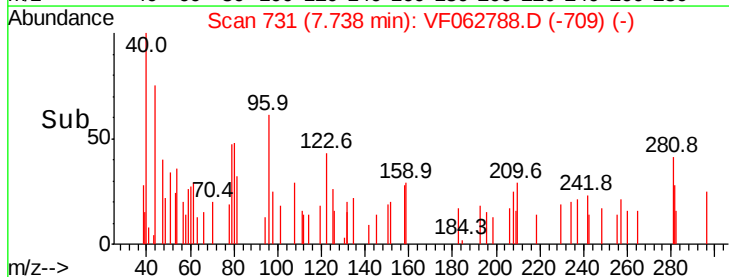
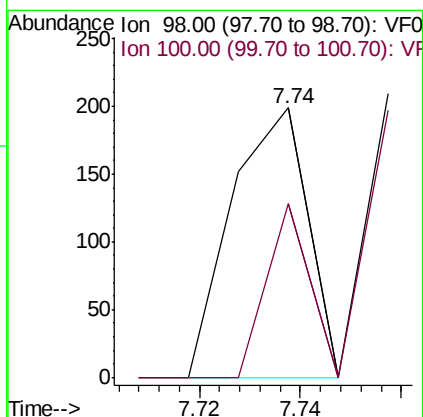
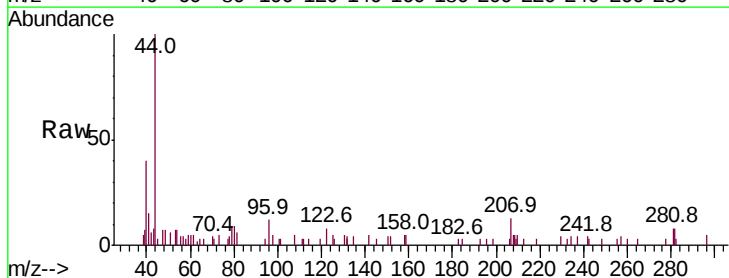
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

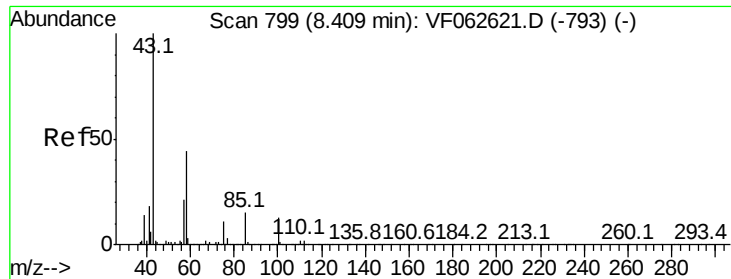
Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 134.5 30.0 45.0#
58 153.6 51.1 76.7#



#50
Toluene-d8
Concen: 34.188 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.02 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion: 98 Resp: 208
Ion Ratio Lower Upper
98 100
100 64.3 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 906.982 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.11 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampled :

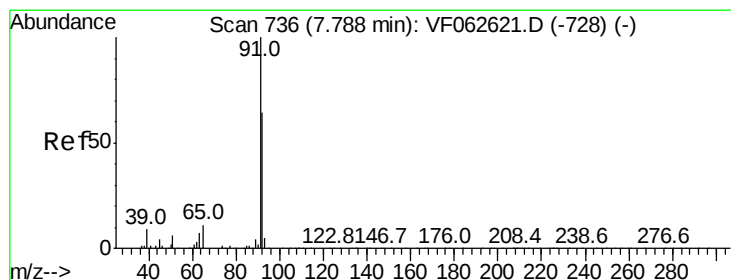
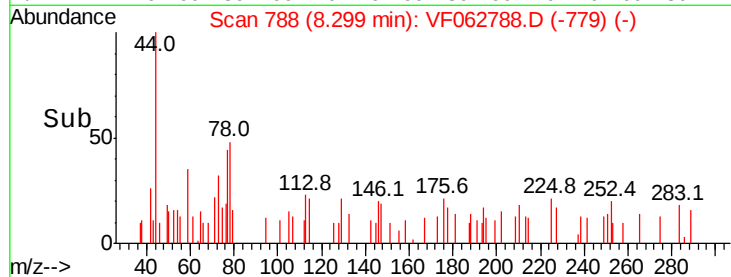
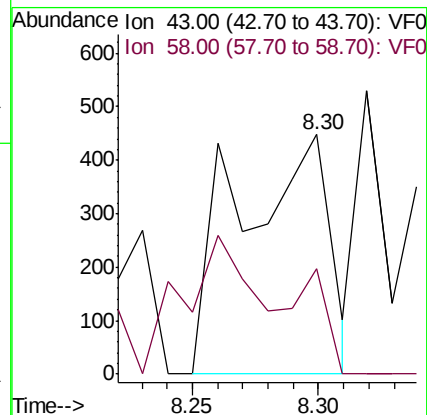
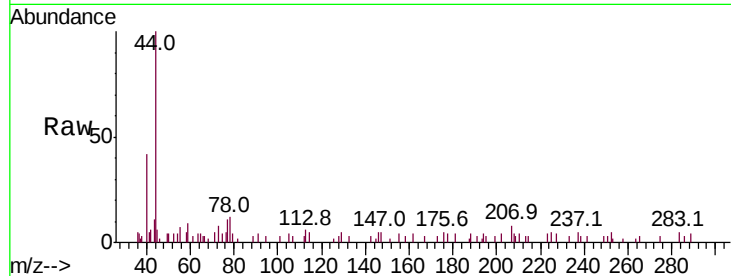
TEST-PIT-7RE

Tot Ion: 43 Resp: 1119

Ion Ratio Lower Upper

43 100

58 44.0 34.9 52.3



#52

Toluene

Concen: 19.897 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF062788.D

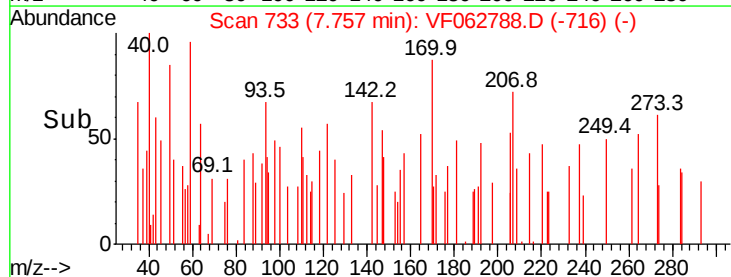
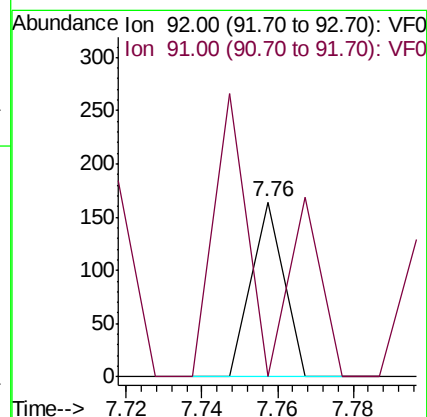
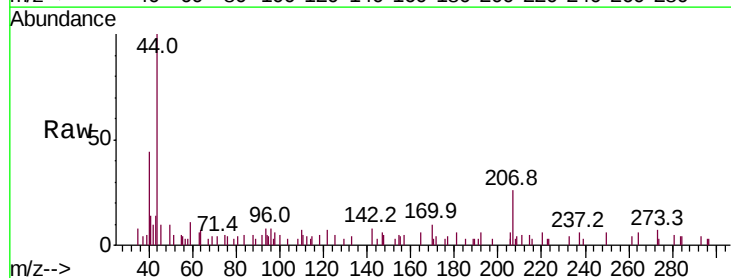
Acq: 29 May 2019 18:10

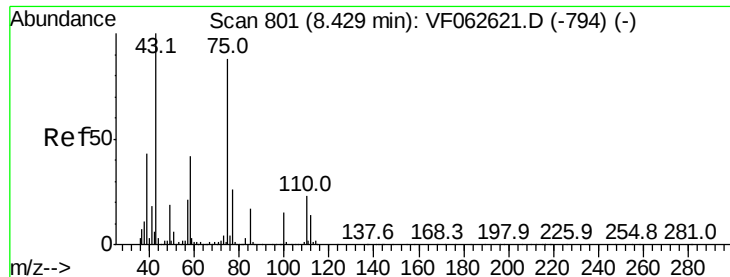
Tgt Ion: 92 Resp: 97

Ion Ratio Lower Upper

92 100

91 0.0 125.4 188.0#





#53

t-1,3-Dichloropropene

Concen: 129.378 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

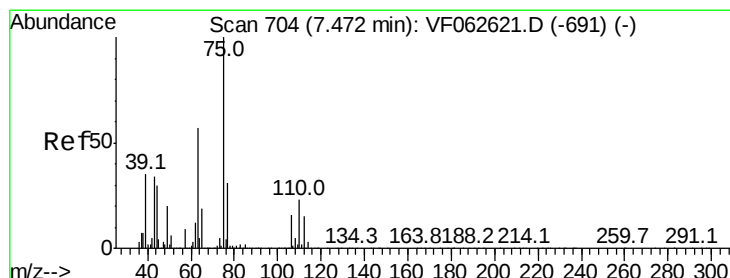
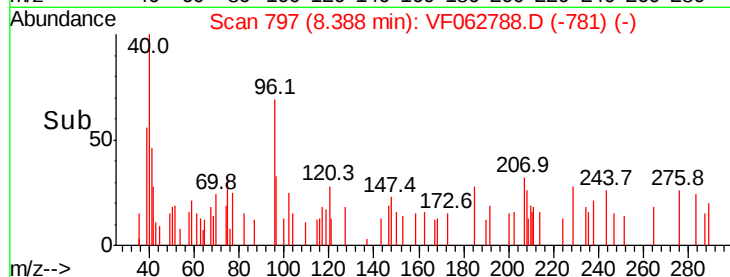
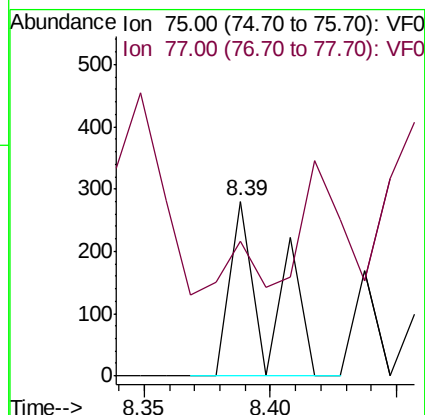
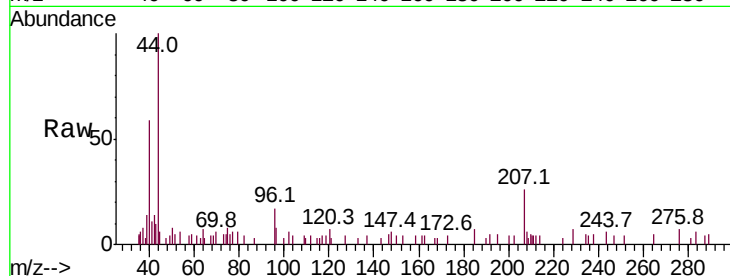
TEST-PIT-7RE

Tot Ion: 75 Resp: 298

Ion Ratio Lower Upper

75 100

77 77.5 24.2 36.4#



#54

cis-1,3-Dichloropropene

Concen: 115.685 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

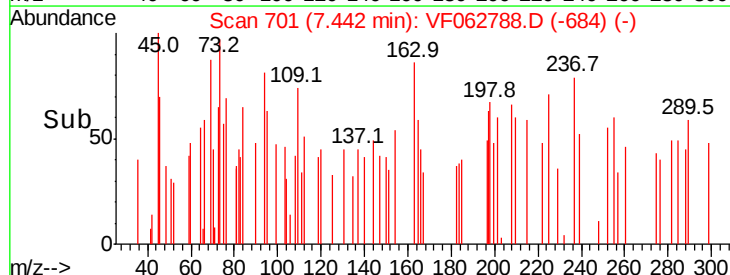
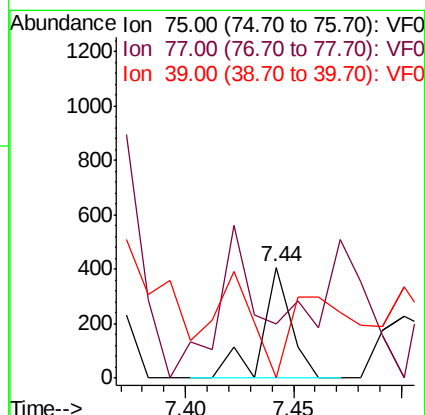
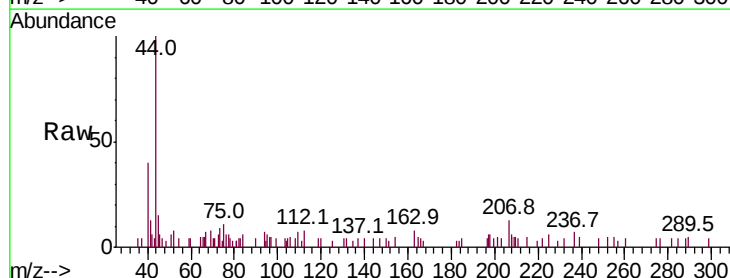
Tgt Ion: 75 Resp: 373

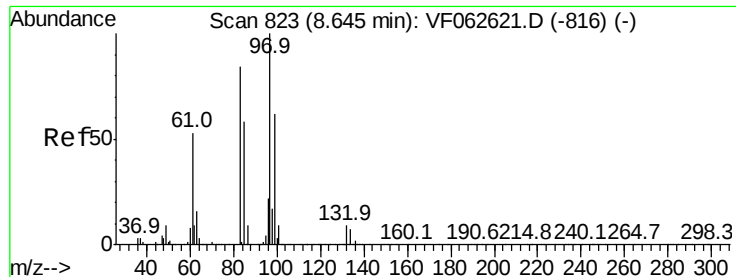
Ion Ratio Lower Upper

75 100

77 49.1 25.3 37.9#

39 0.0 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 177.351 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

Tot Ion: 97 Resp: 256

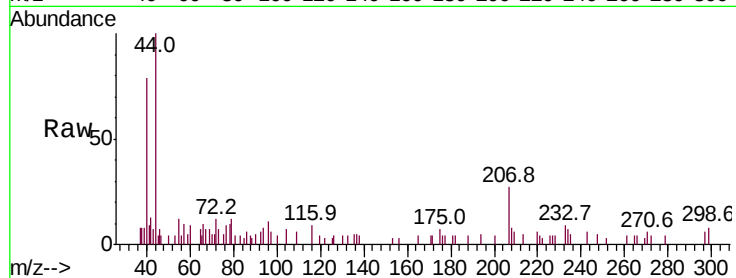
Ion Ratio Lower Upper

97 100

83 62.9 67.3 100.9#

85 58.4 46.6 69.8

99 0.0 49.7 74.5#

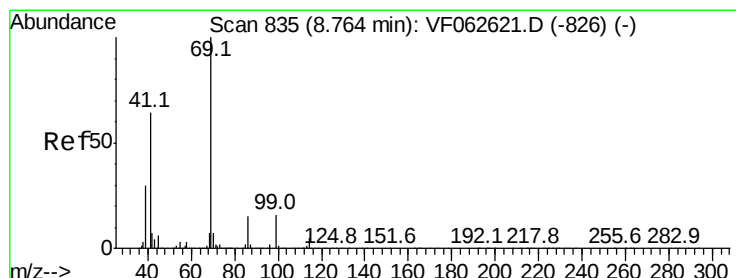
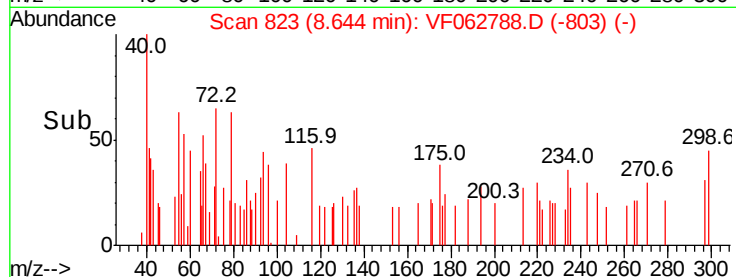
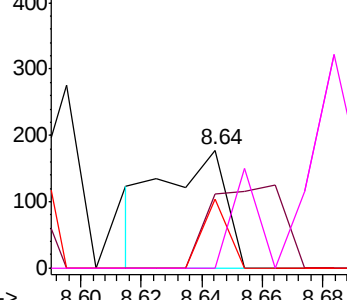


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 172.704 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

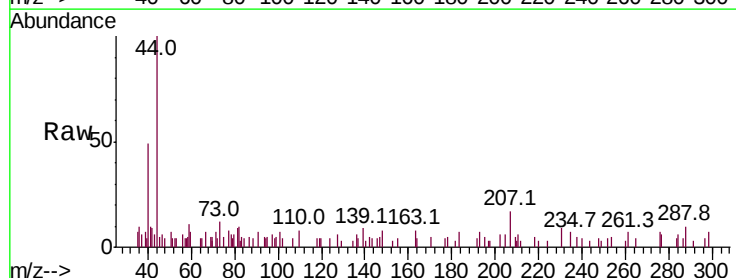
Tgt Ion: 69 Resp: 297

Ion Ratio Lower Upper

69 100

41 118.3 51.4 77.2#

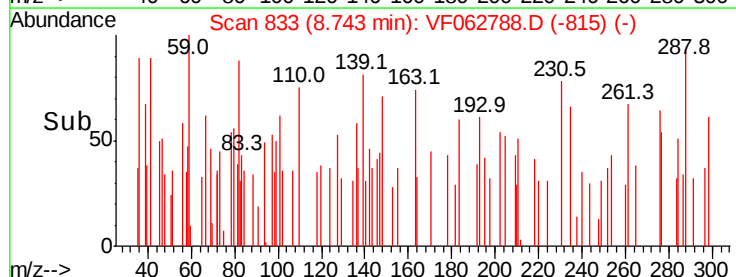
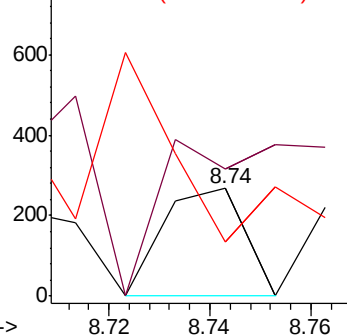
39 50.0 23.6 35.4#

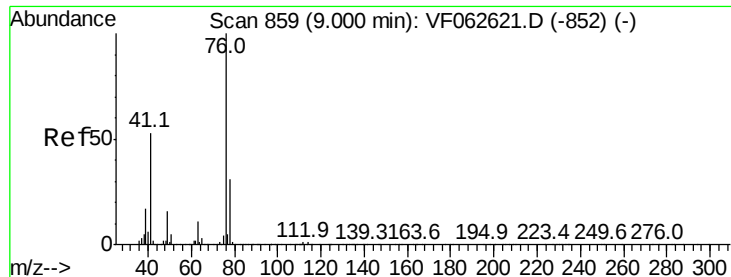


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 39.046 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

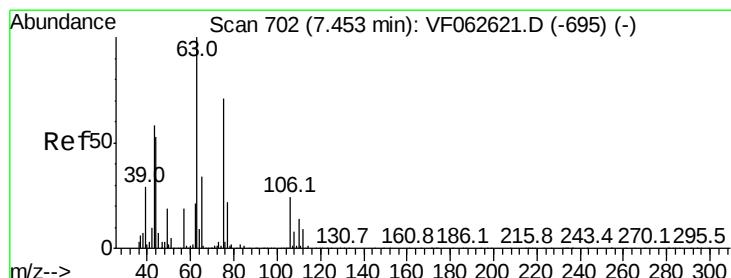
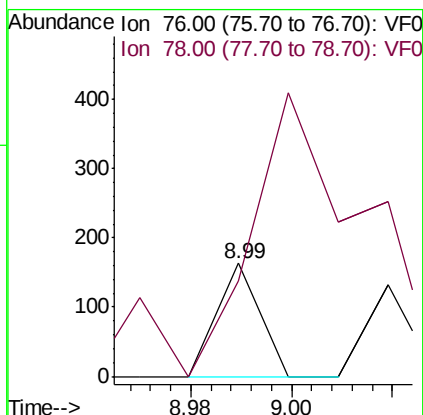
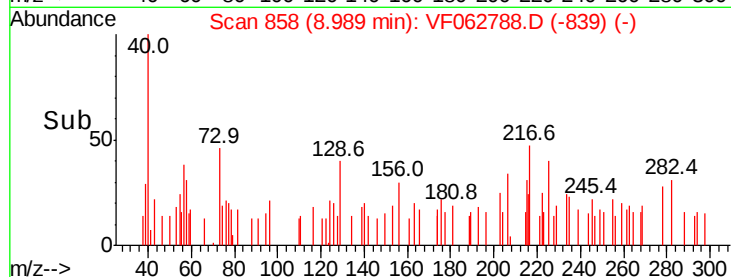
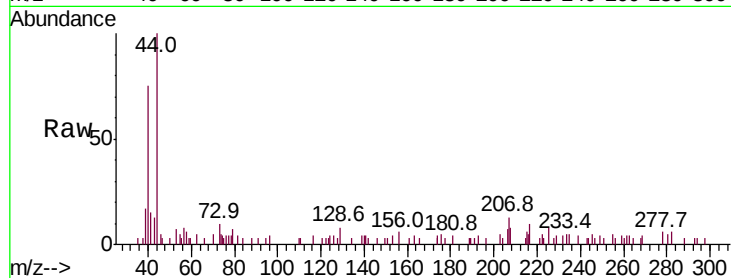
TEST-PIT-7RE

Tot Ion: 76 Resp: 96

Ion Ratio Lower Upper

76 100

78 84.7 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 326.922 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062788.D

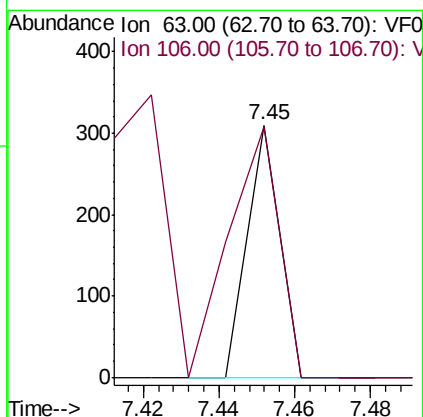
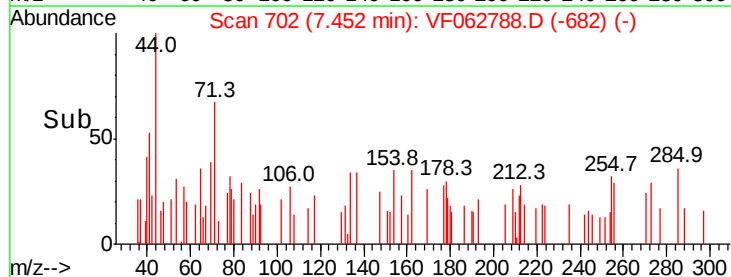
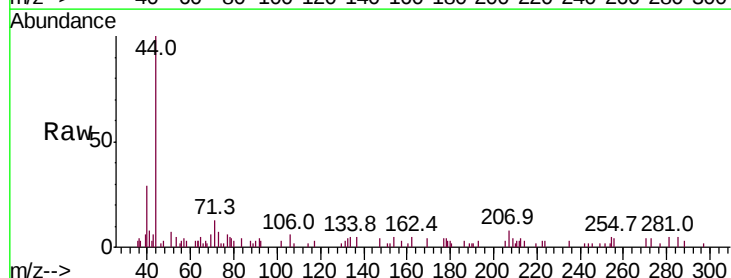
Acq: 29 May 2019 18:10

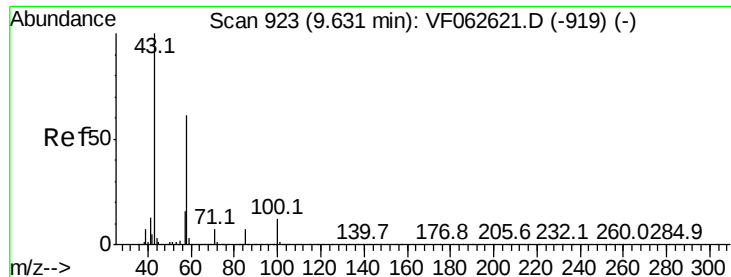
Tgt Ion: 63 Resp: 183

Ion Ratio Lower Upper

63 100

106 99.4 19.1 28.7#

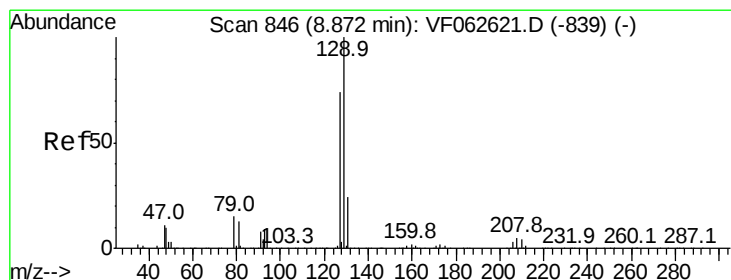
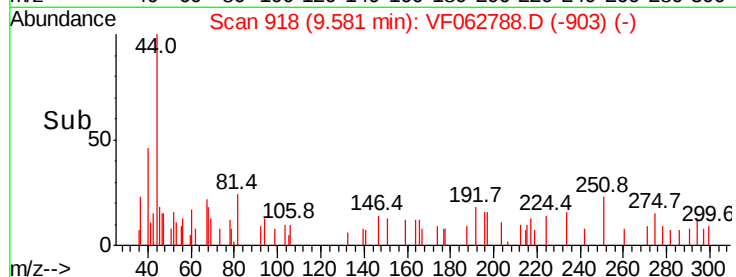
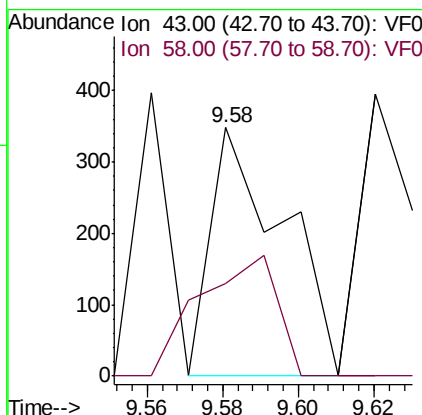
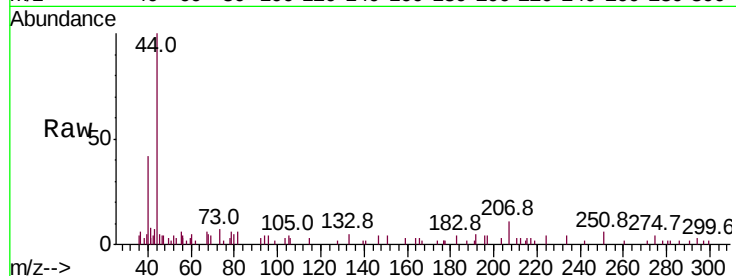




#59
2-Hexanone
Concen: 599.211 ug/l
RT: 9.58 min Scan# 918
Delta R.T. -0.05 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

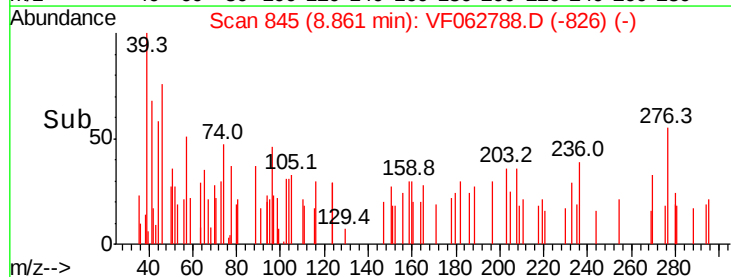
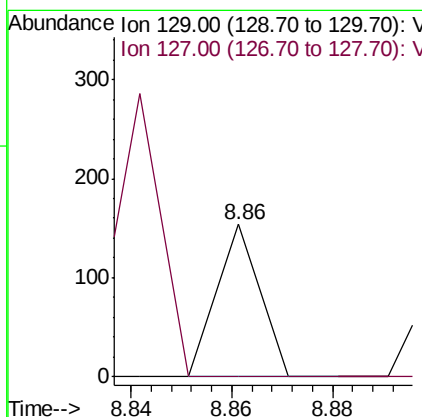
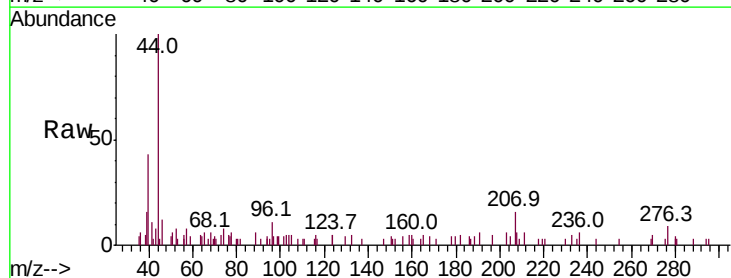
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

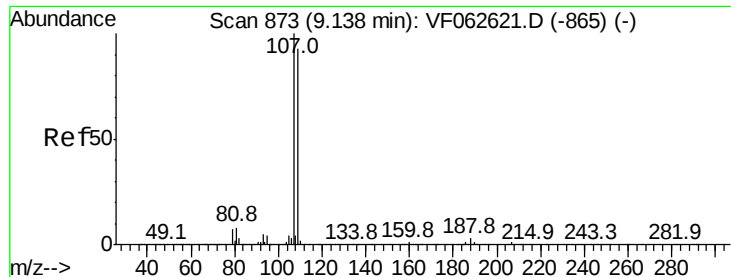
Tot Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 37.1 28.1 84.4



#60
Dibromochloromethane
Concen: 48.371 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion: 129 Resp: 91
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 148.058 ug/l

RT: 9.08 min Scan# 867

Delta R.T. -0.06 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

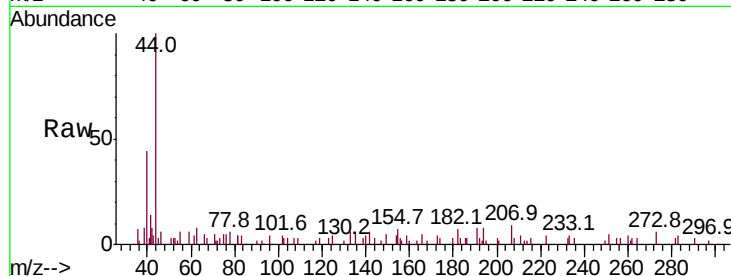
TEST-PIT-7RE

Tot Ion:107 Resp: 227

Ion Ratio Lower Upper

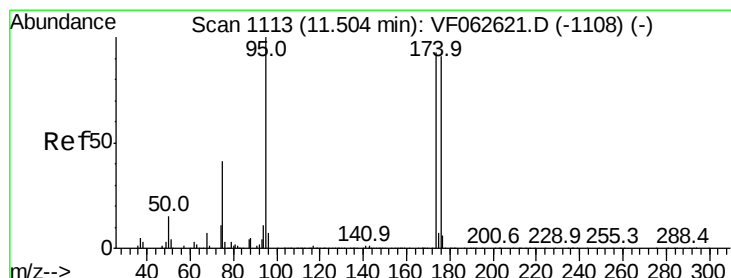
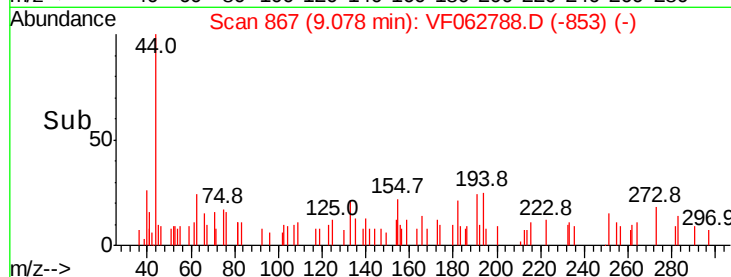
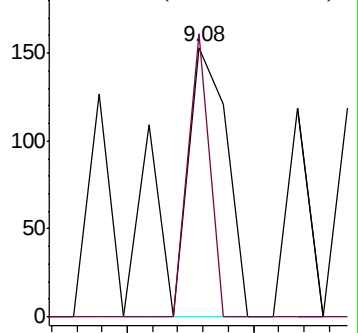
107 100

109 105.2 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: 41.171 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.04 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

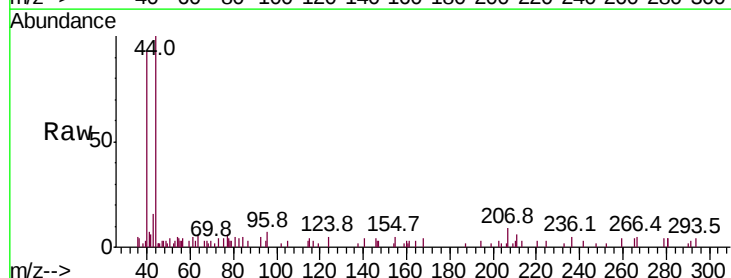
Tgt Ion: 95 Resp: 95

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

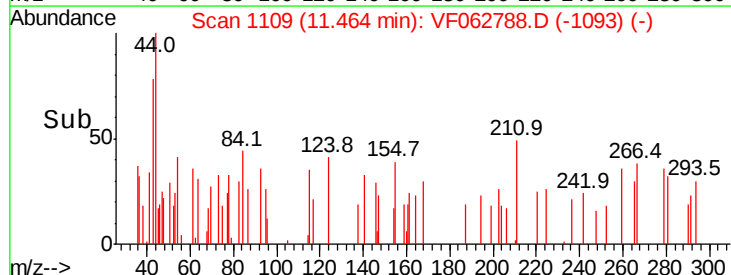
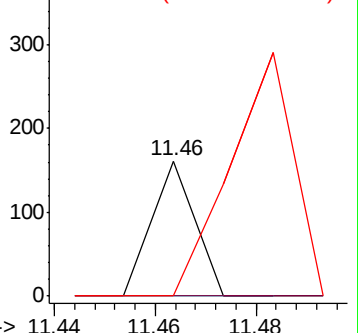
176 0.0 0.0 182.4

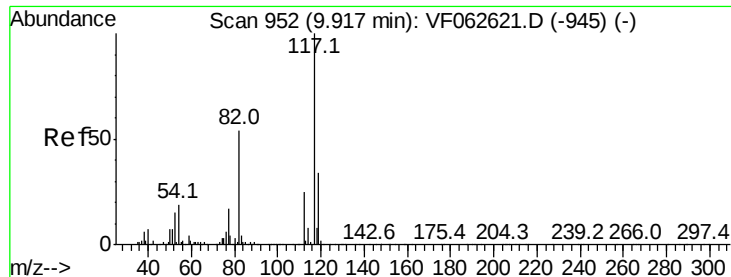


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

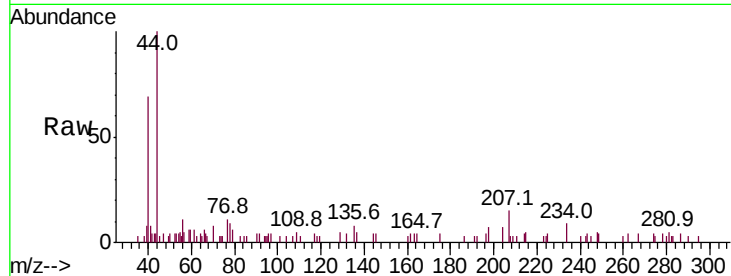
Tot Ion:117 Resp: 90

Ion Ratio Lower Upper

117 100

82 73.0 43.3 64.9#

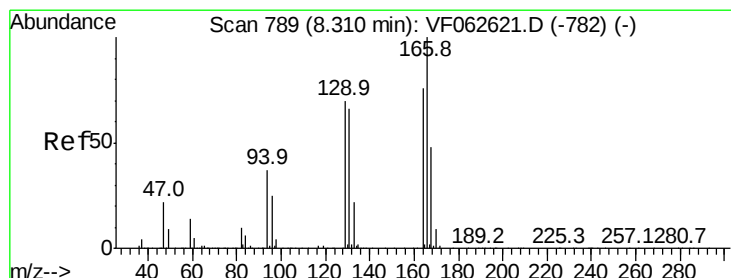
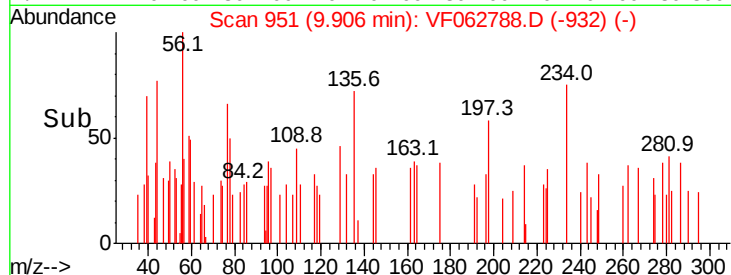
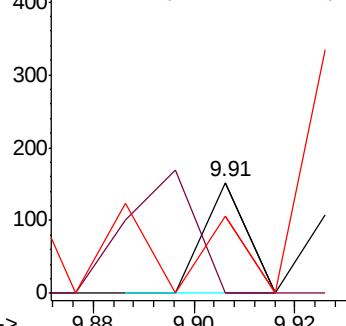
119 69.7 27.4 41.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 309.956 ug/l

RT: 8.33 min Scan# 791

Delta R.T. 0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Tgt Ion:164 Resp: 221

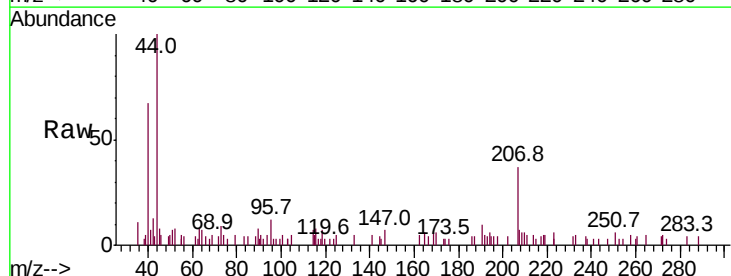
Ion Ratio Lower Upper

164 100

166 61.7 105.5 158.3#

129 0.0 73.8 110.6#

131 0.0 69.5 104.3#

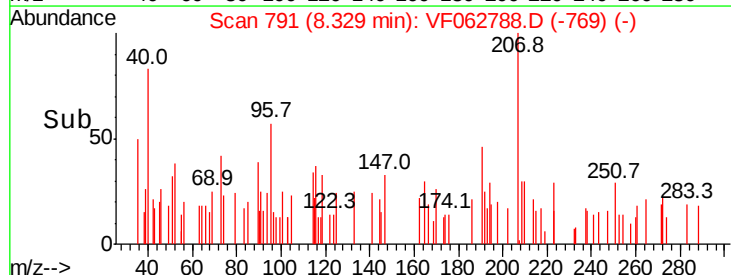
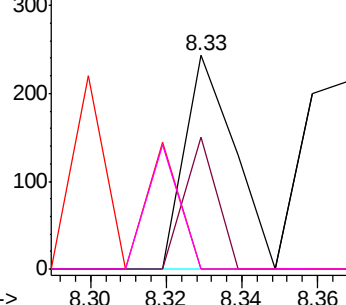


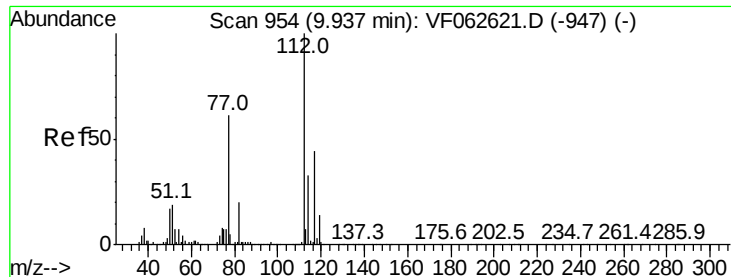
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

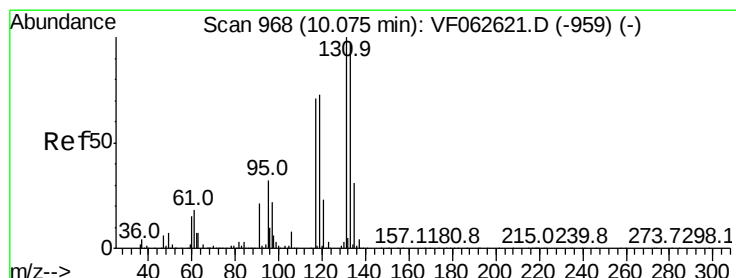
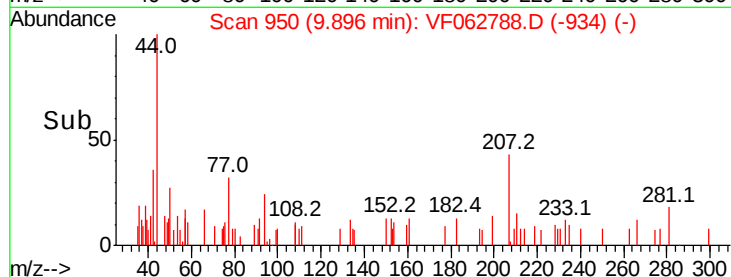
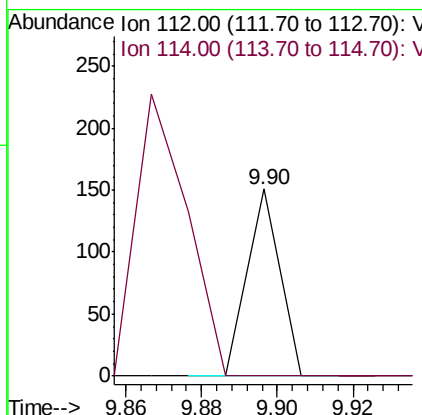
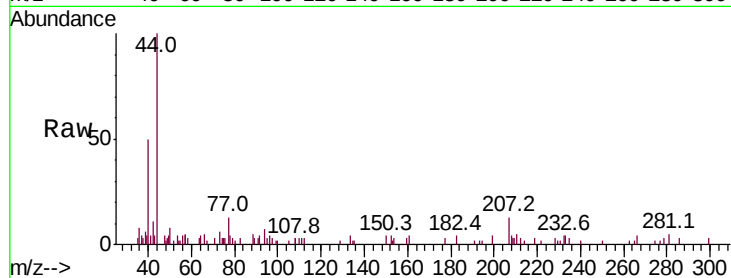




#65
Chlorobenzene
Concen: 50.348 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.04 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

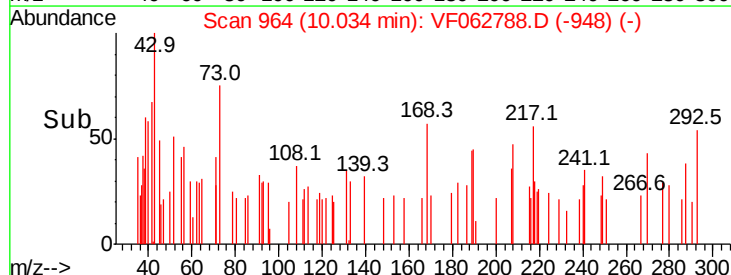
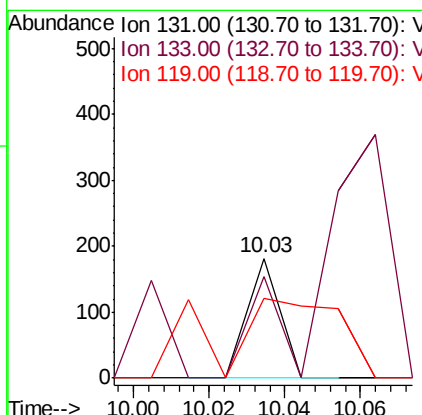
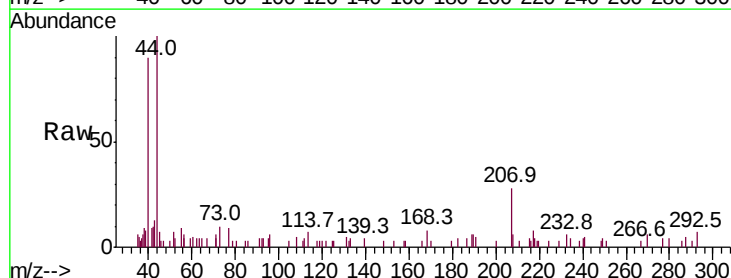
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

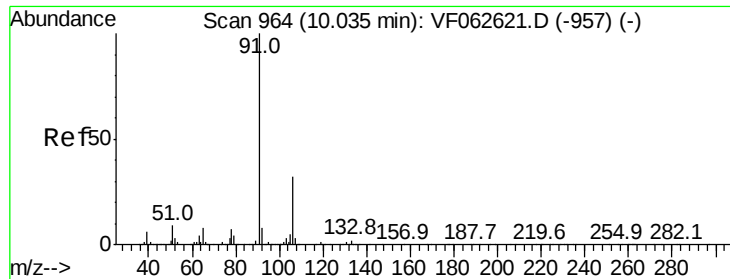
Tot Ion:112 Resp: 89
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 152.192 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.04 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion:131 Resp: 108
Ion Ratio Lower Upper
131 100
133 84.6 48.5 145.5
119 67.0 36.8 110.4





#67

Ethyl Benzene

Concen: 63.500 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

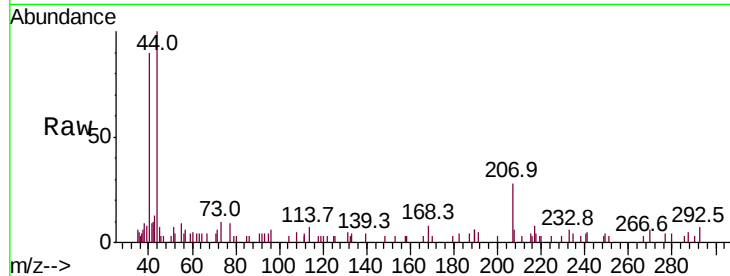
TEST-PIT-7RE

Tot Ion: 91 Resp: 195

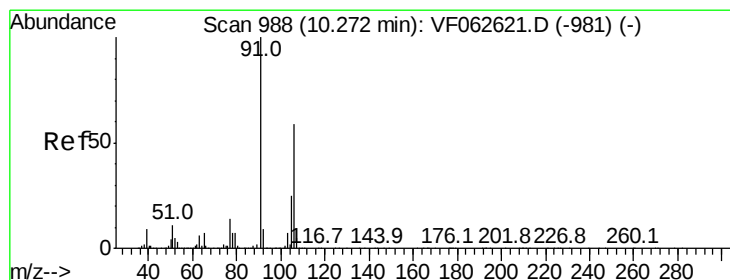
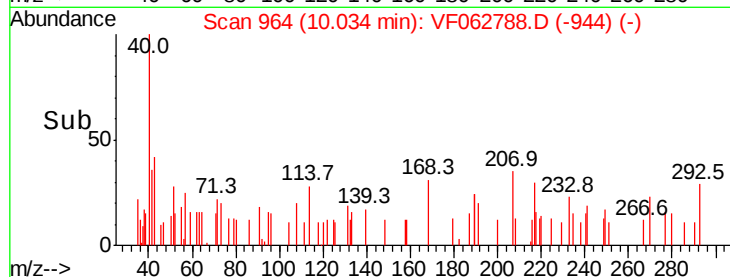
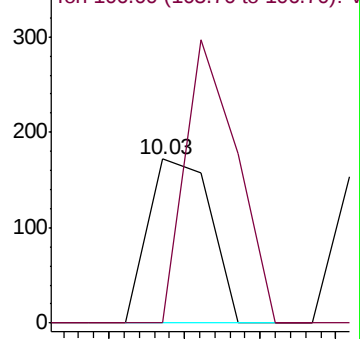
Ion Ratio Lower Upper

91 100

106 0.0 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 181.950 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062788.D

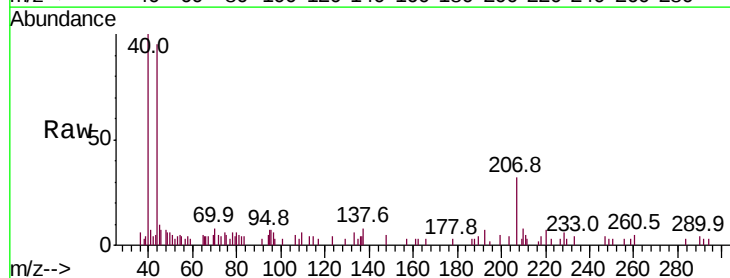
Acq: 29 May 2019 18:10

Tgt Ion: 106 Resp: 210

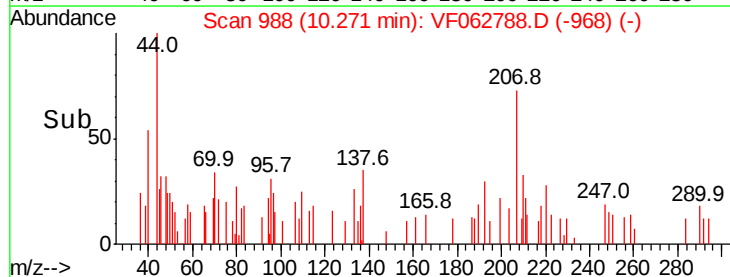
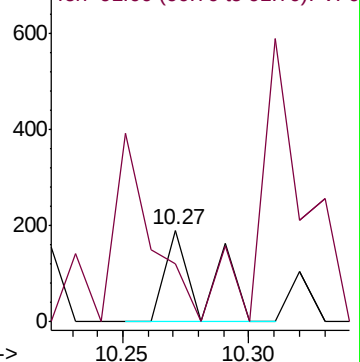
Ion Ratio Lower Upper

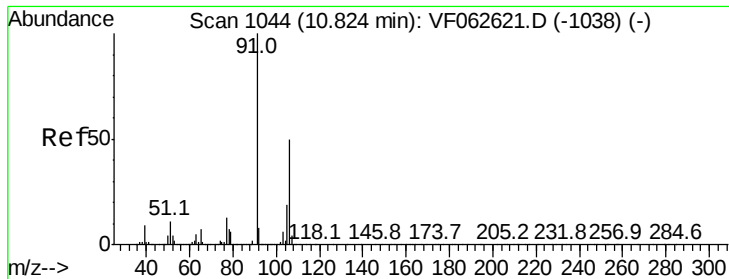
106 100

91 62.8 136.9 205.3#



Abundance Ion 106.00 (105.70 to 106.70): V

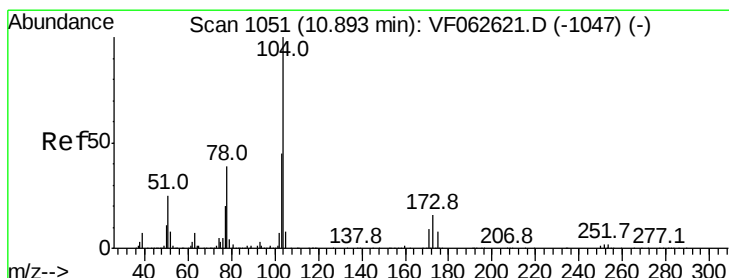
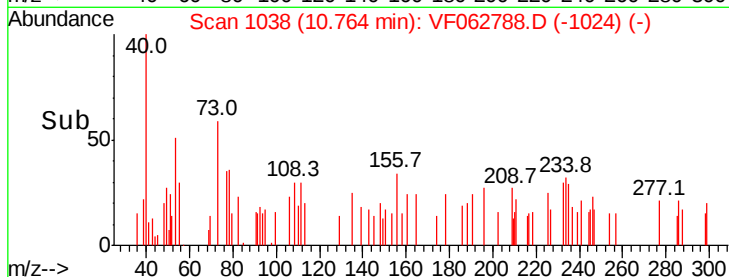
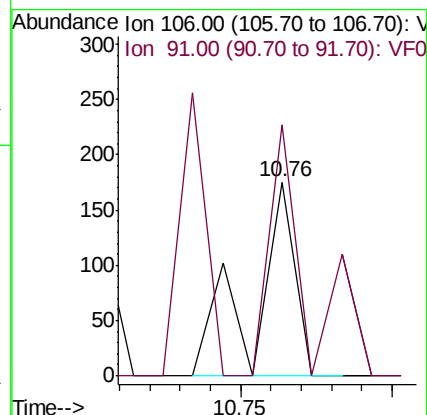
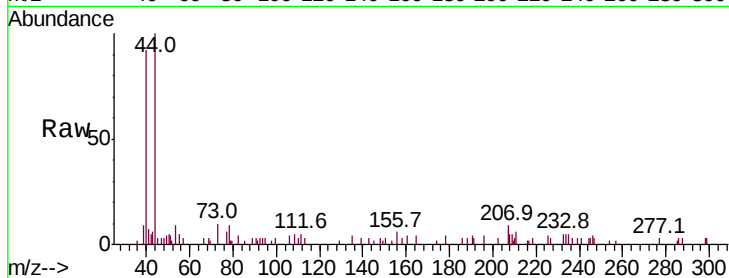




#69
o-Xylene
Concen: 137.955 ug/l
RT: 10.76 min Scan# 1038
Delta R.T. -0.06 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

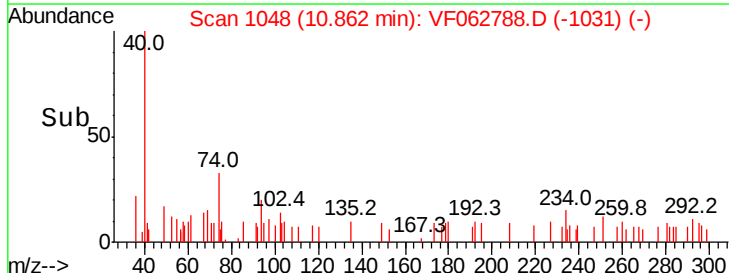
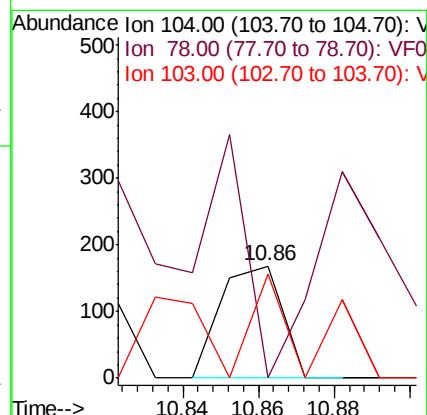
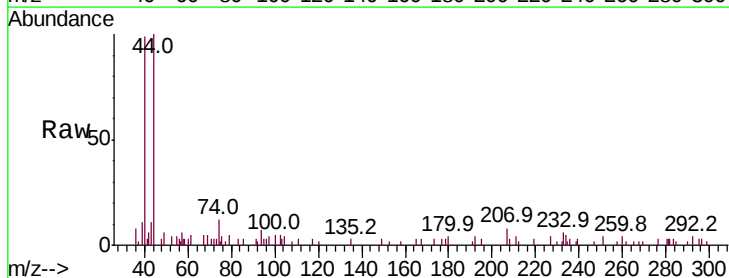
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

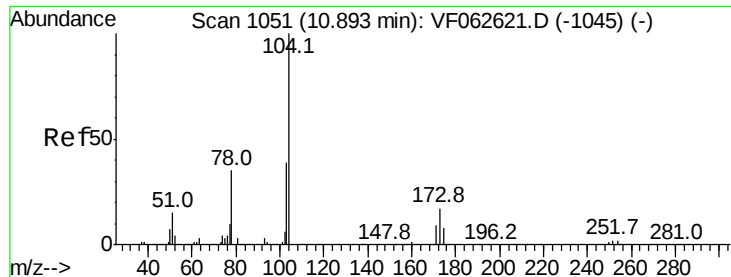
Tot Ion:106 Resp: 164
Ion Ratio Lower Upper
106 100
91 129.7 100.2 300.5



#70
Styrene
Concen: 104.599 ug/l
RT: 10.86 min Scan# 1048
Delta R.T. -0.03 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion:104 Resp: 189
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 93.5 36.1 54.1#





#71

Bromoform

Concen: 168.819 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

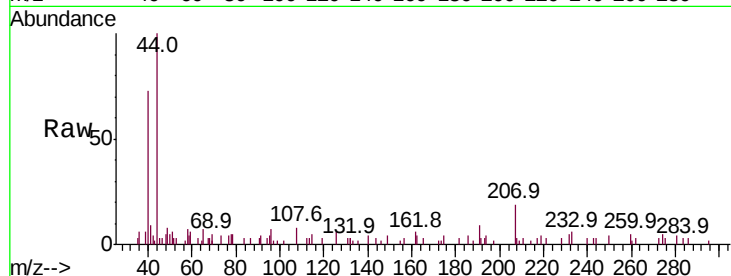
Tot Ion:173 Resp: 60

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

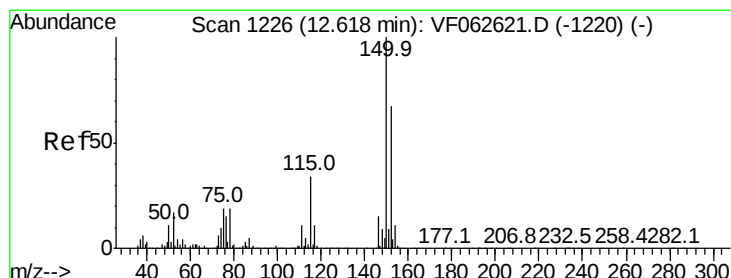
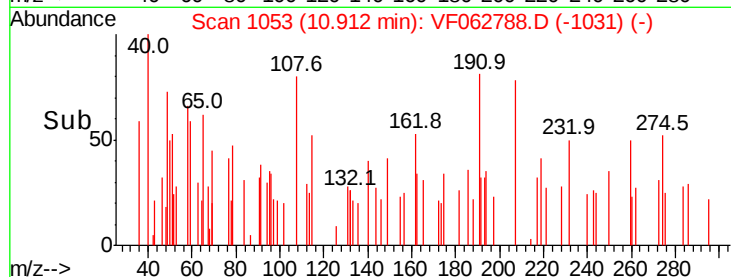
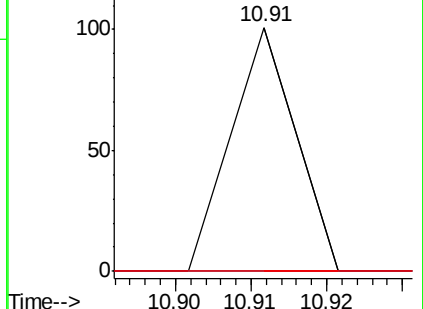
254 0.0 0.2 0.2#



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: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

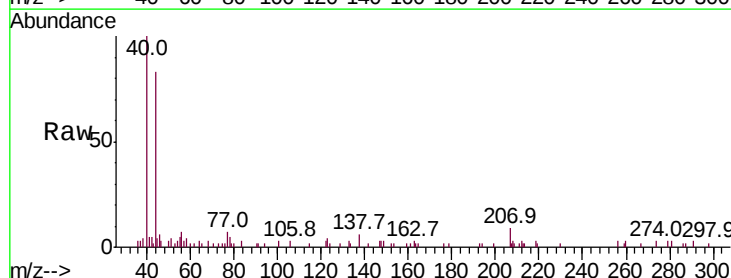
Tgt Ion:152 Resp: 151

Ion Ratio Lower Upper

152 100

115 85.9 25.2 75.6#

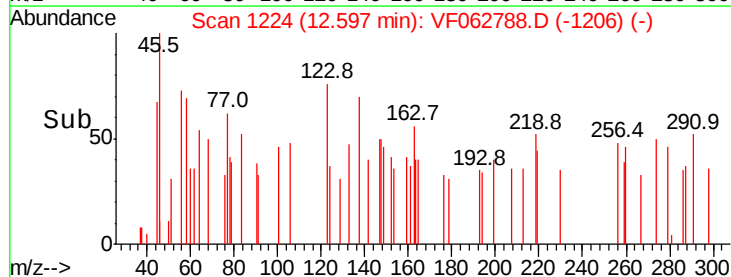
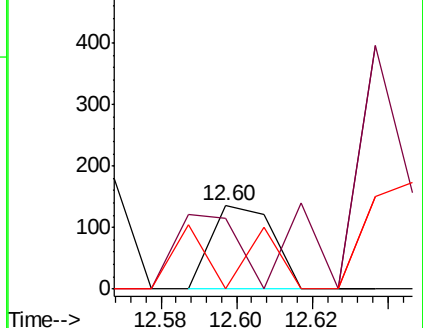
150 0.0 0.0 306.2

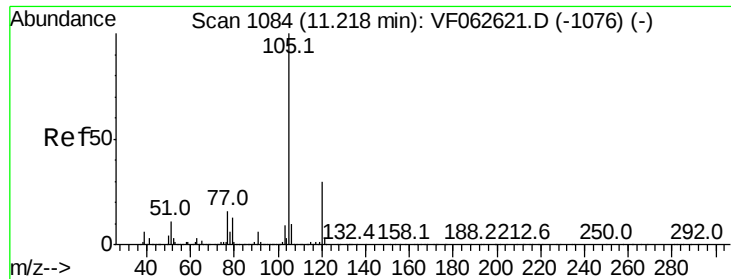


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.035 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

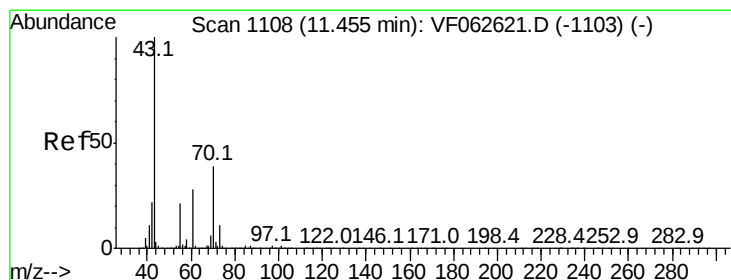
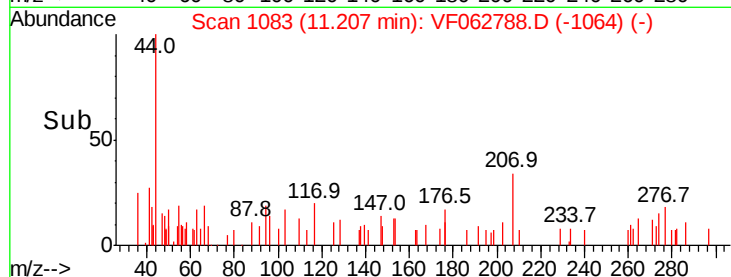
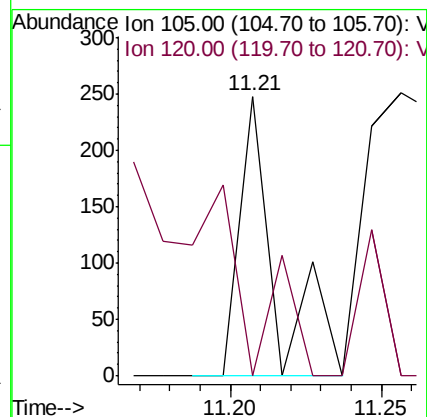
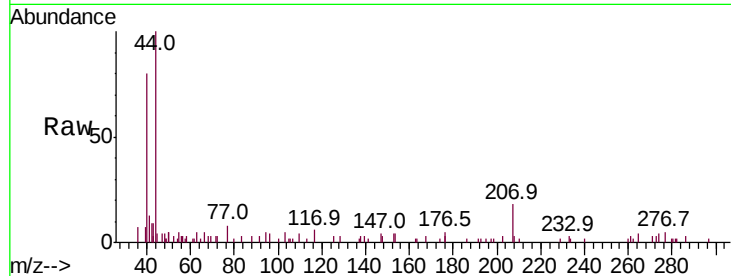
TEST-PIT-7RE

Tot Ion:105 Resp: 206

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



#74

N-ethyl acetate

Concen: 449.490 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Tgt Ion: 43 Resp: 1119

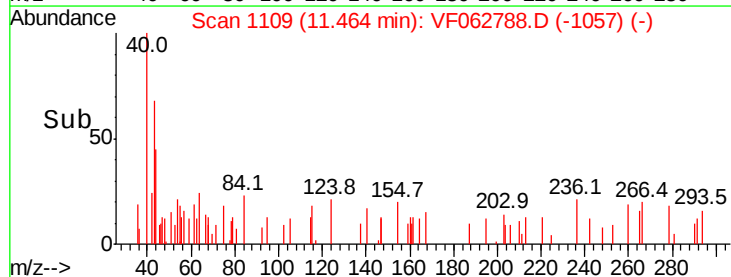
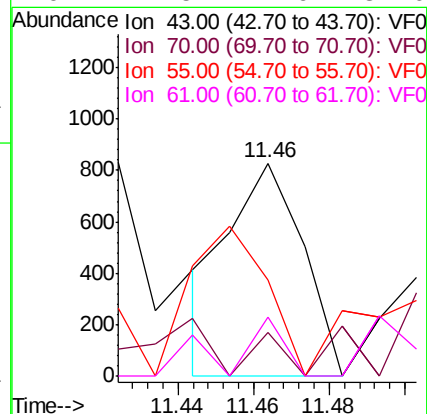
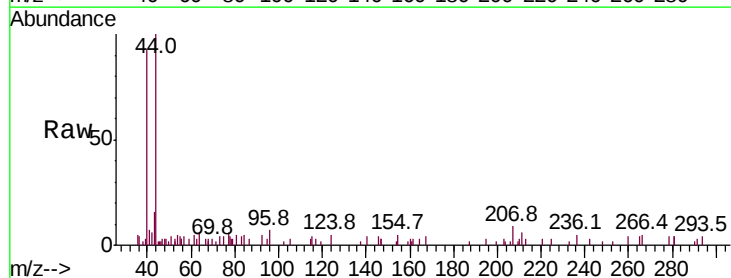
Ion Ratio Lower Upper

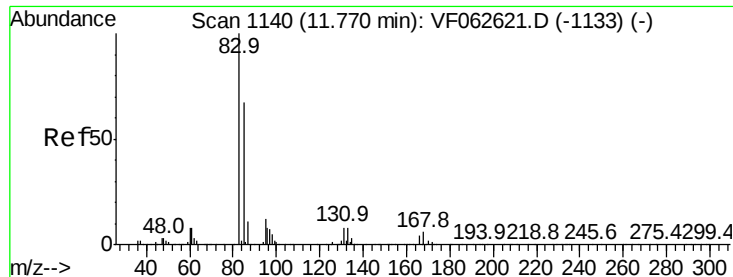
43 100

70 20.3 30.9 46.3#

55 45.2 17.0 25.4#

61 27.5 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 174.526 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.04 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

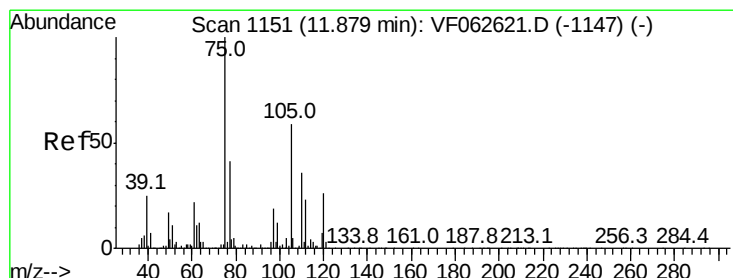
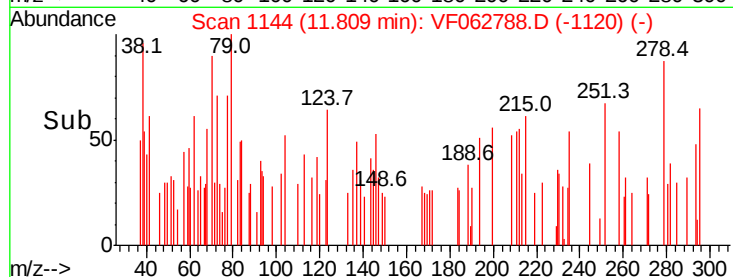
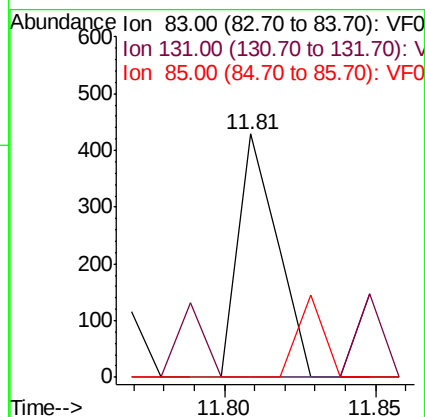
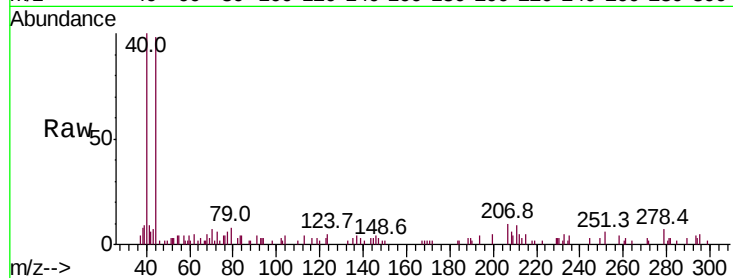
Tot Ion: 83 Resp: 386

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 465.170 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062788.D

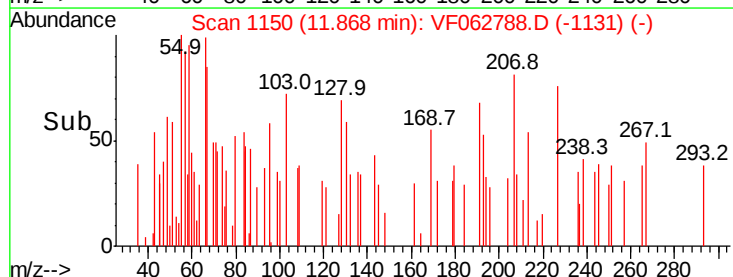
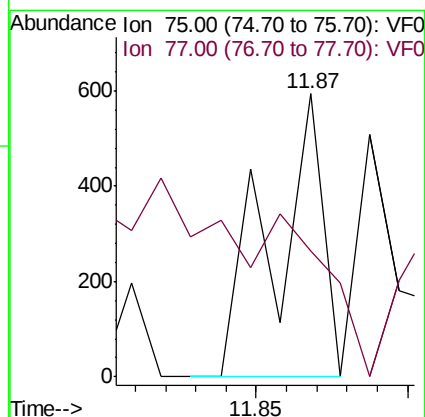
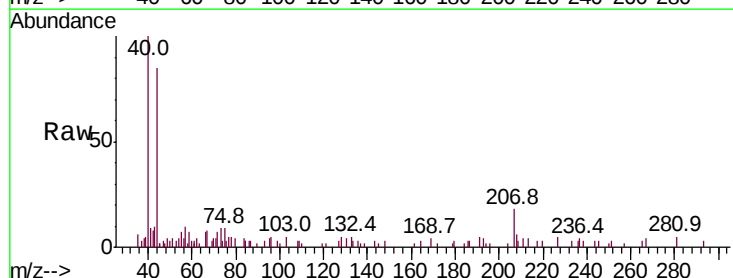
Acq: 29 May 2019 18:10

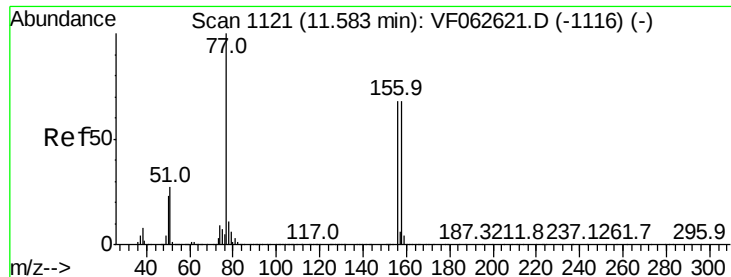
Tgt Ion: 75 Resp: 676

Ion Ratio Lower Upper

75 100

77 44.6 20.6 61.8

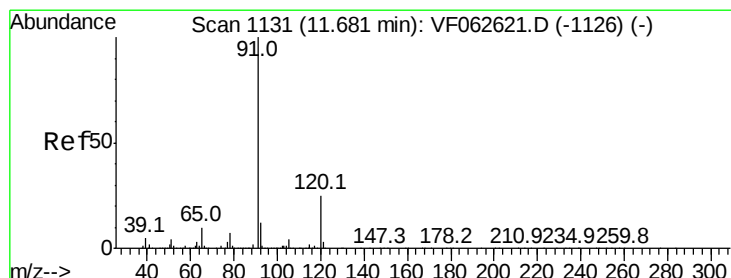
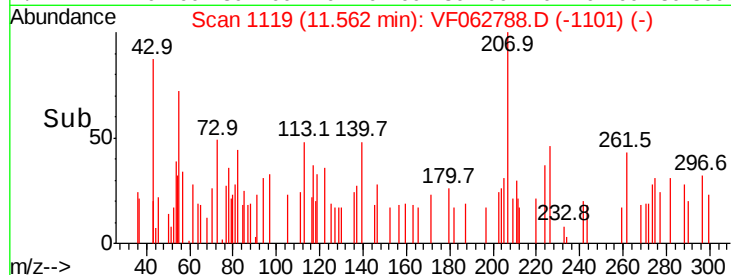
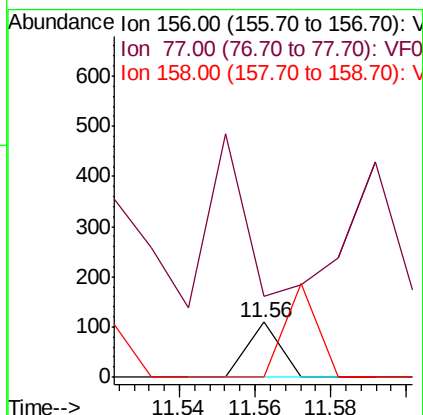
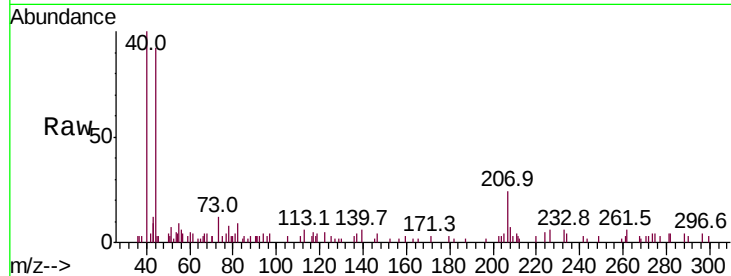




#77
Bromobenzene
Concen: 24.163 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

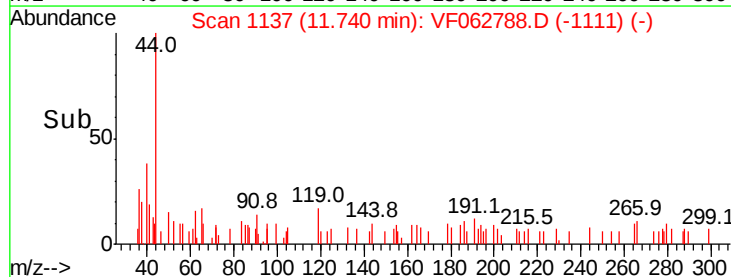
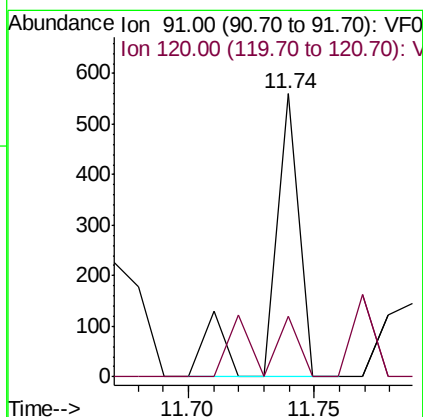
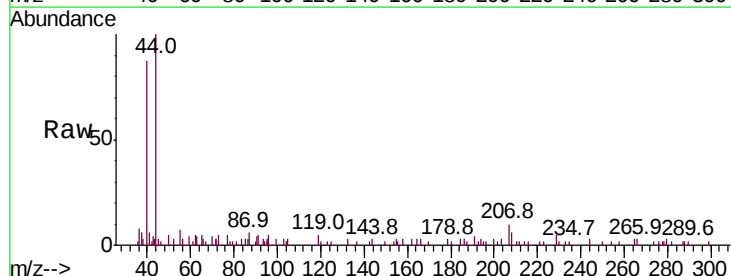
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-7RE

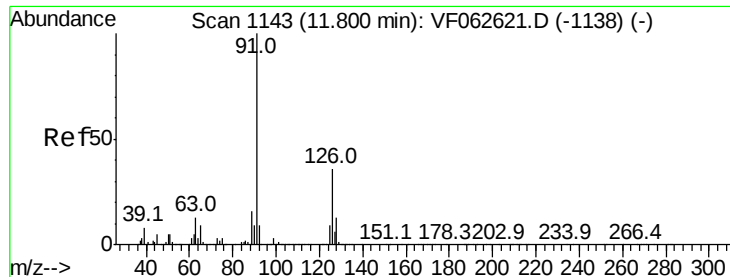
Tot Ion:156 Resp: 65
Ion Ratio Lower Upper
156 100
77 145.5 73.6 220.8
158 0.0 49.6 148.8#



#78
n-propylbenzene
Concen: 31.933 ug/l
RT: 11.74 min Scan# 1137
Delta R.T. 0.06 min
Lab File: VF062788.D
Acq: 29 May 2019 18:10

Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
120 21.3 12.7 38.1





#79

2-Chlorotoluene

Concen: 32.973 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

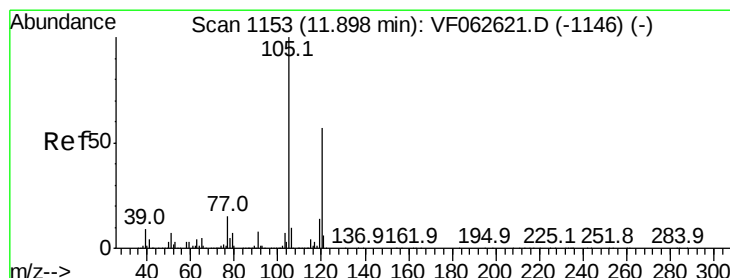
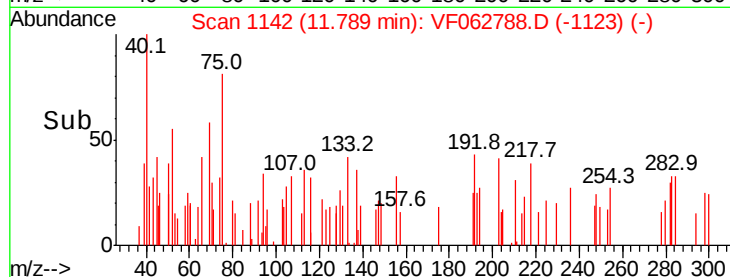
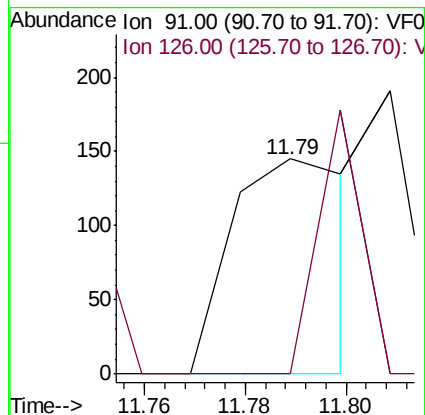
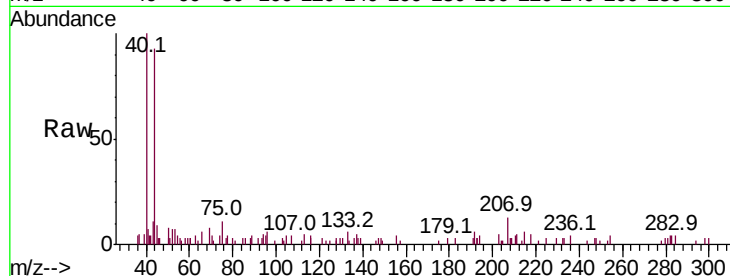
TEST-PIT-7RE

Tot Ion: 91 Resp: 238

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 16.479 ug/l

RT: 12.02 min Scan# 1165

Delta R.T. 0.12 min

Lab File: VF062788.D

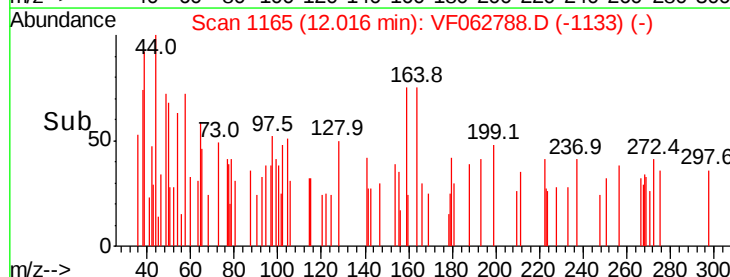
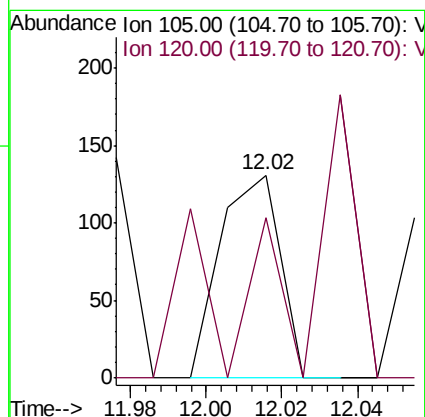
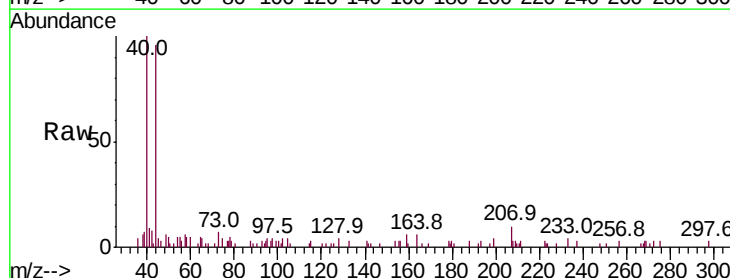
Acq: 29 May 2019 18:10

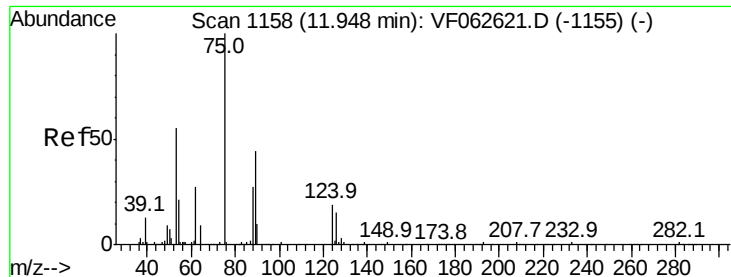
Tgt Ion: 105 Resp: 143

Ion Ratio Lower Upper

105 100

120 78.6 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 453.581 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.02 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

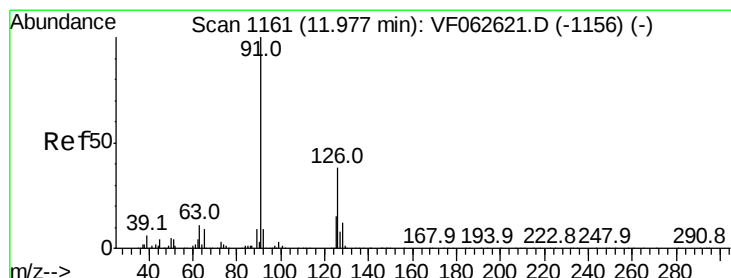
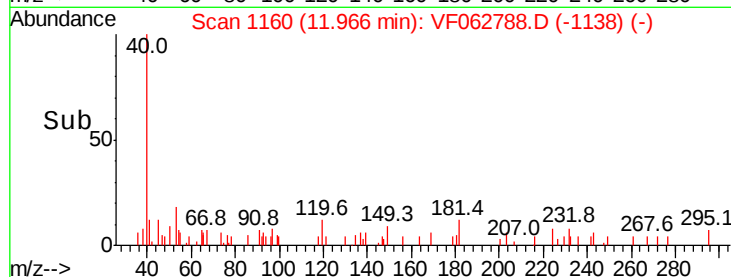
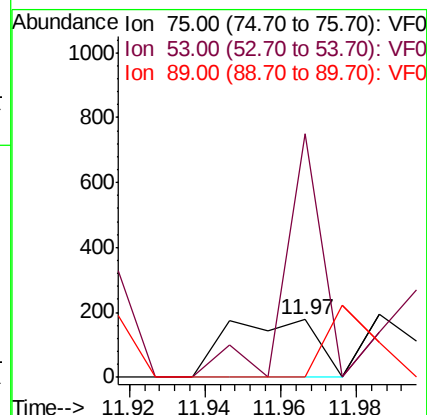
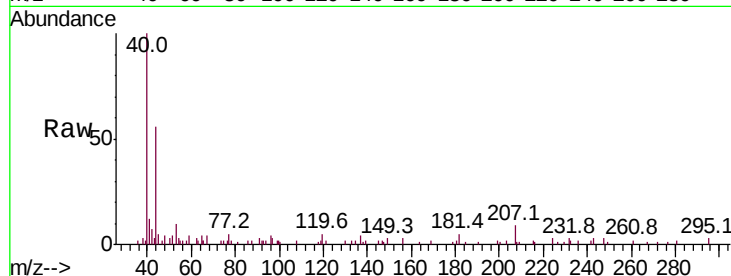
Tot Ion: 75 Resp: 293

Ion Ratio Lower Upper

75 100

53 423.7 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 84.995 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.03 min

Lab File: VF062788.D

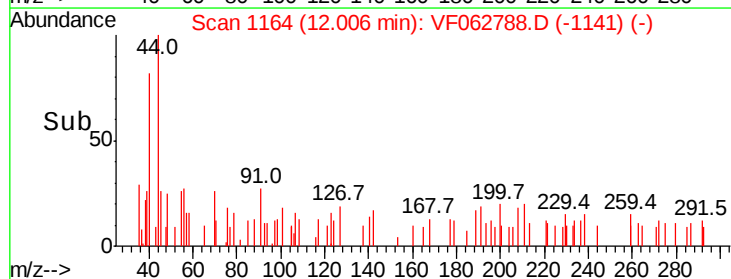
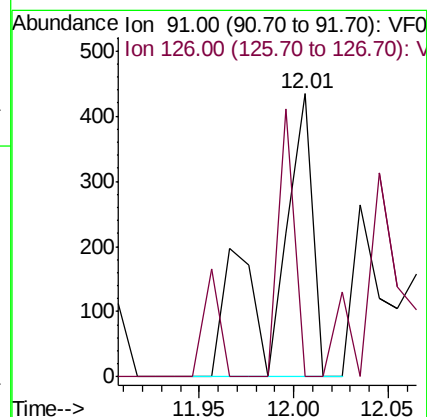
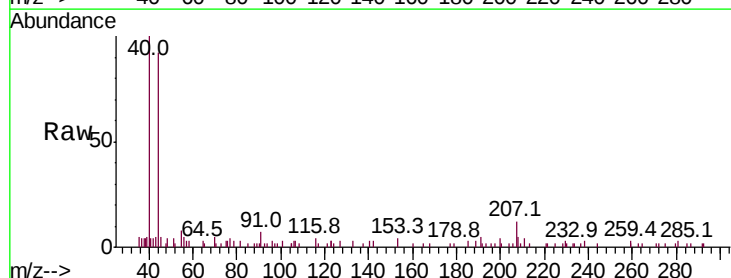
Acq: 29 May 2019 18:10

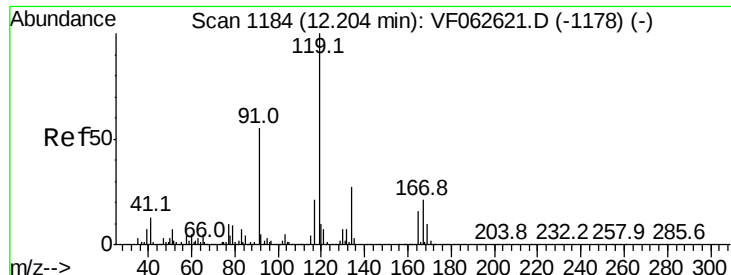
Tgt Ion: 91 Resp: 605

Ion Ratio Lower Upper

91 100

126 49.5 19.1 57.1





#83

tert-Butylbenzene

Concen: 9.655 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

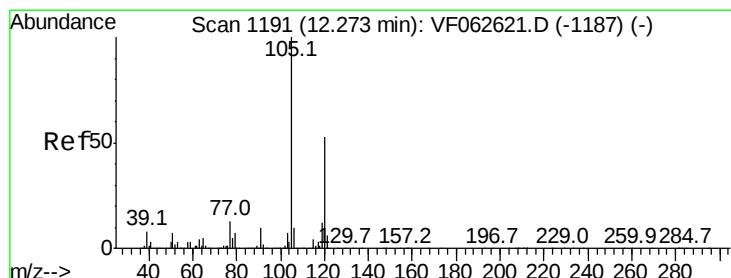
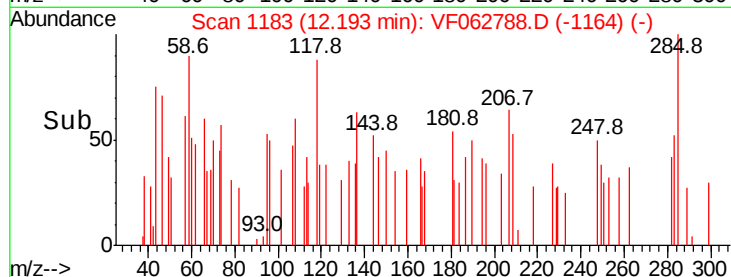
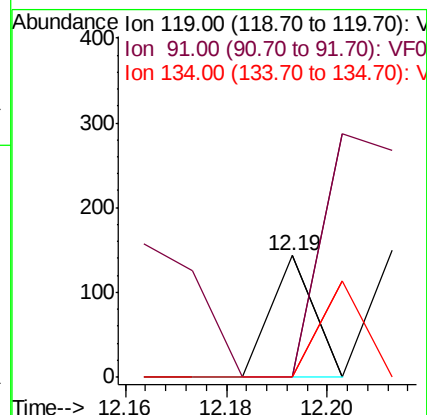
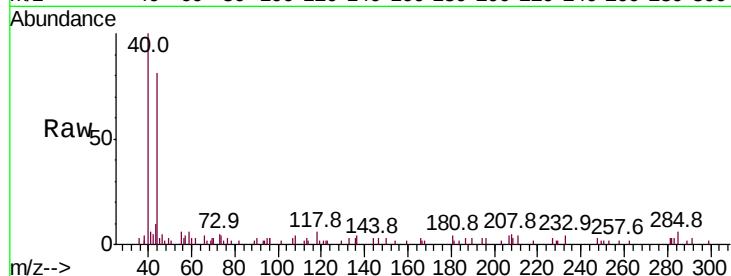
Tot Ion:119 Resp: 85

Ion Ratio Lower Upper

119 100

91 0.0 27.3 81.9#

134 0.0 13.6 40.7#



#84

1,2,4-Trimethylbenzene

Concen: 8.691 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062788.D

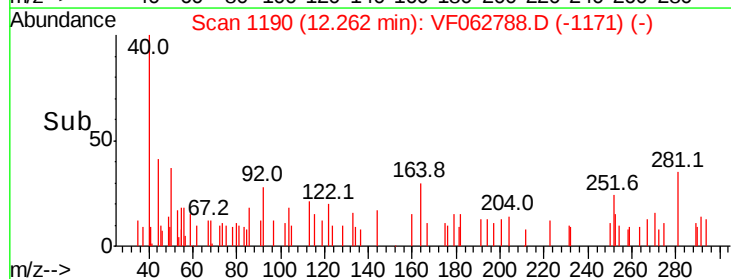
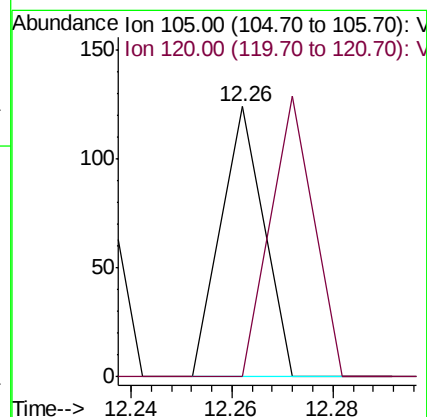
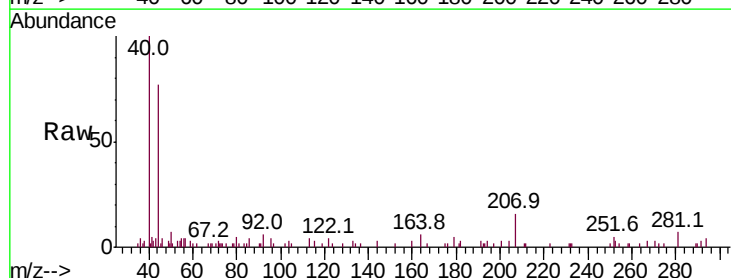
Acq: 29 May 2019 18:10

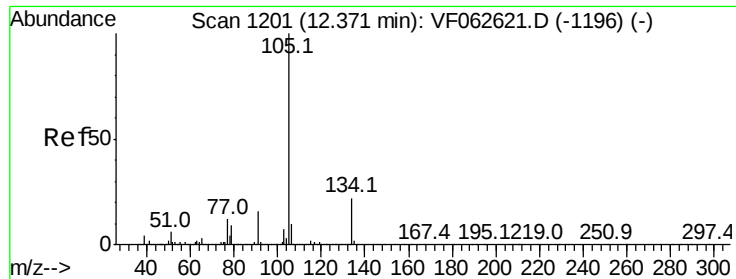
Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

120 0.0 26.7 80.1#





#85

sec-Butylbenzene

Concen: 29.030 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

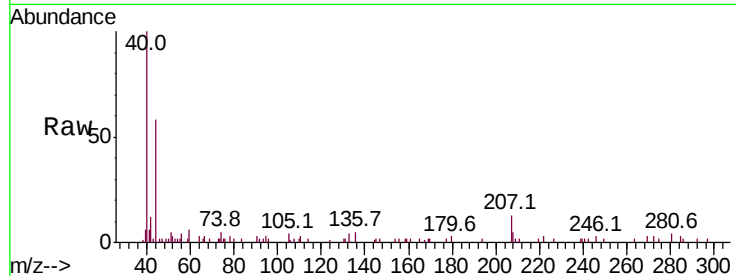
TEST-PIT-7RE

Tot Ion:105 Resp: 343

Ion Ratio Lower Upper

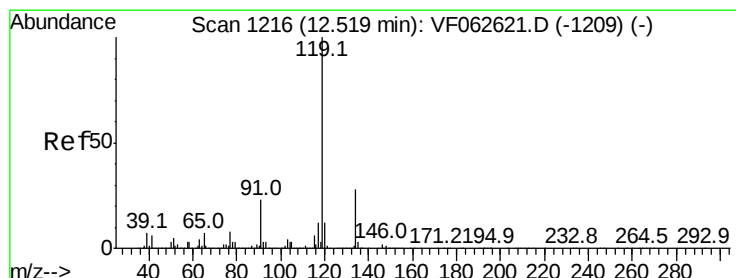
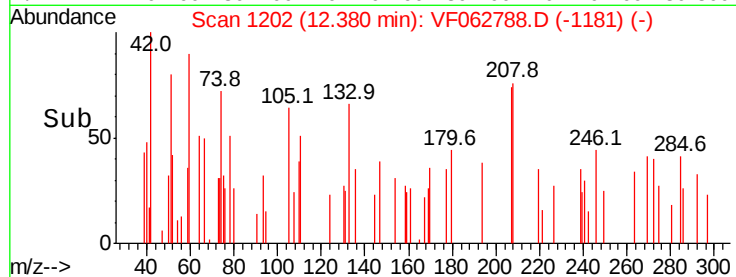
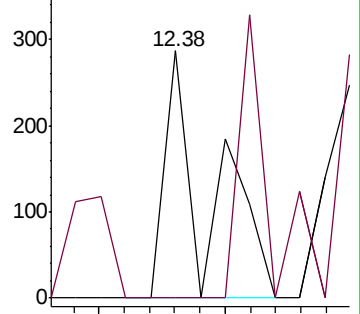
105 100

134 0.0 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.126 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

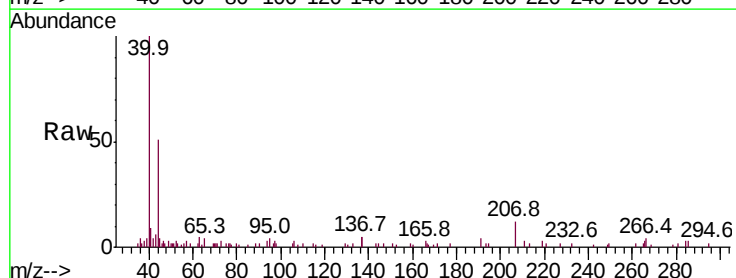
Tgt Ion:119 Resp: 61

Ion Ratio Lower Upper

119 100

134 0.0 14.1 42.3#

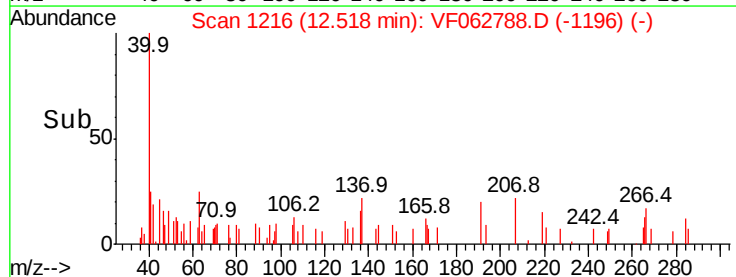
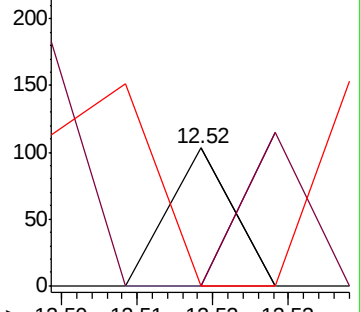
91 0.0 11.4 34.2#

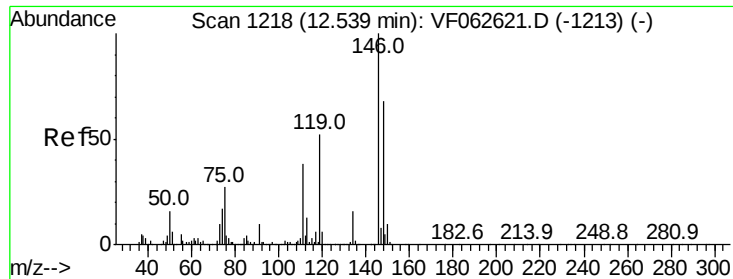


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 19.725 ug/l

RT: 12.44 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

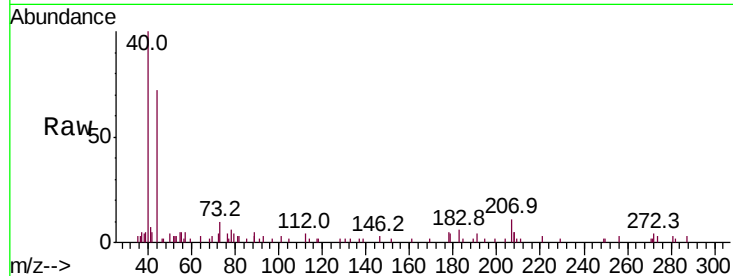
Tot Ion:146 Resp: 96

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.9#

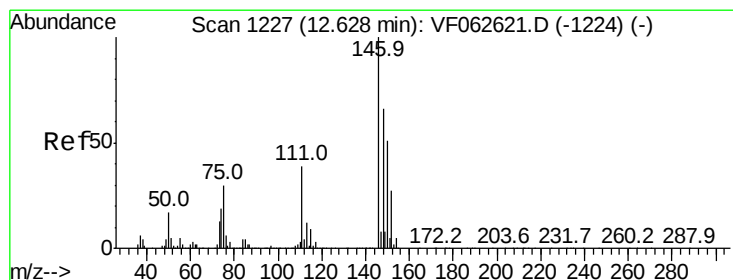
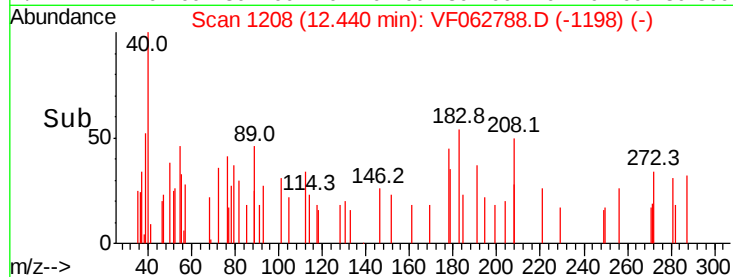
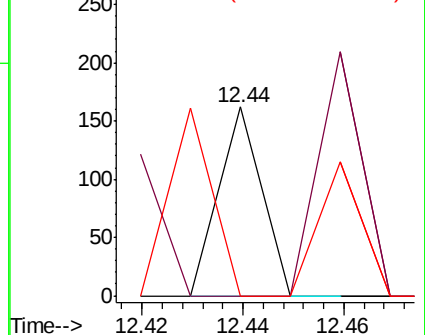
148 0.0 34.0 101.8#



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



#88

1,4-Dichlorobenzene

Concen: 19.267 ug/l

RT: 12.73 min Scan# 1237

Delta R.T. 0.10 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

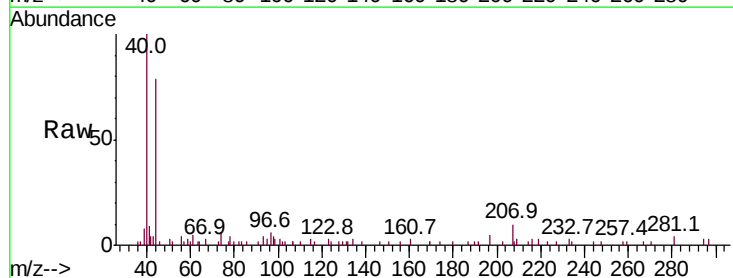
Tgt Ion:146 Resp: 88

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

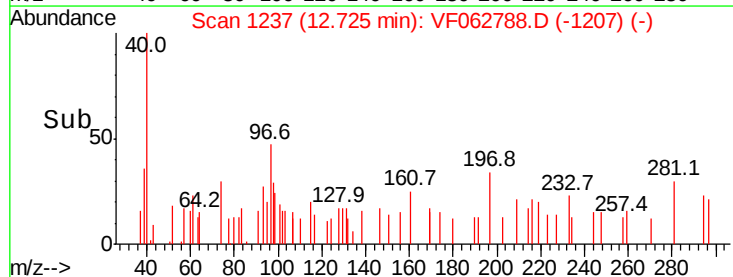
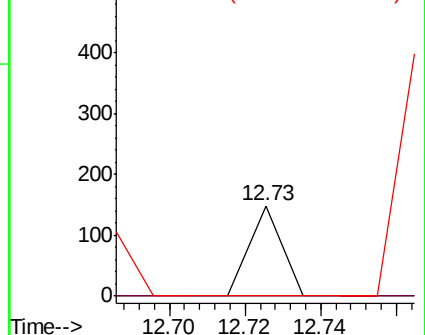
148 0.0 33.2 99.6#

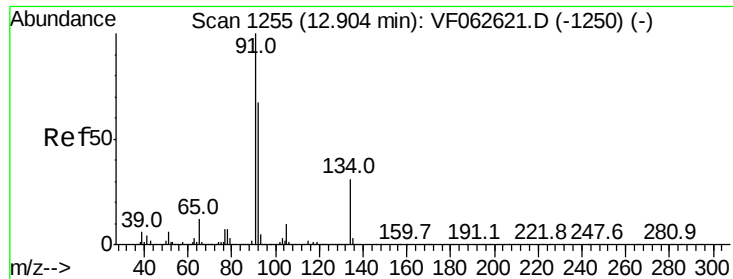


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

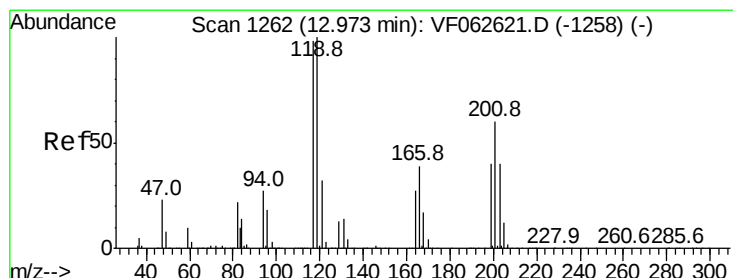
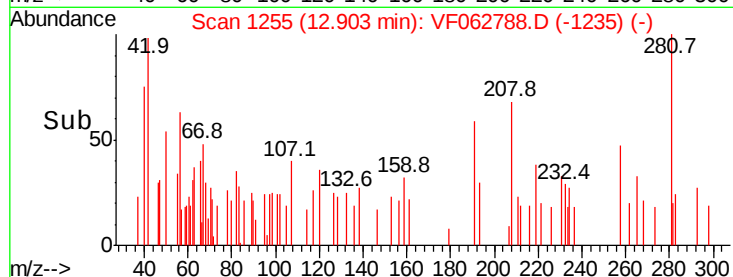
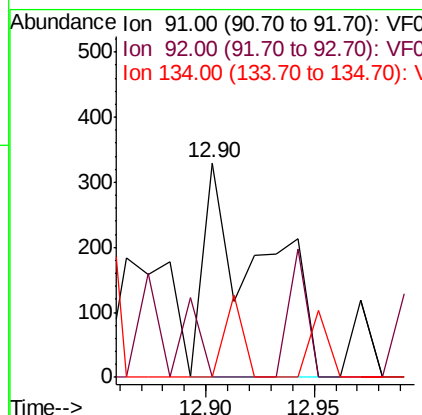
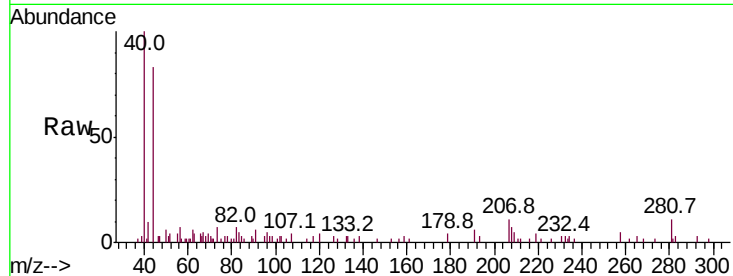




#89
 n-Butylbenzene
 Concen: 62.439 ug/l
 RT: 12.90 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VF062788.D
 Acq: 29 May 2019 18:10

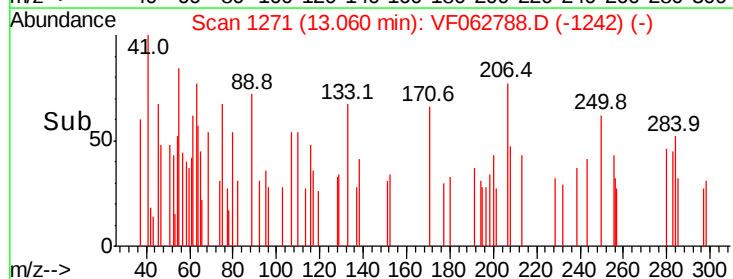
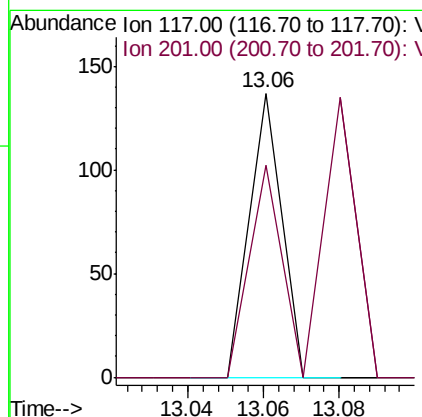
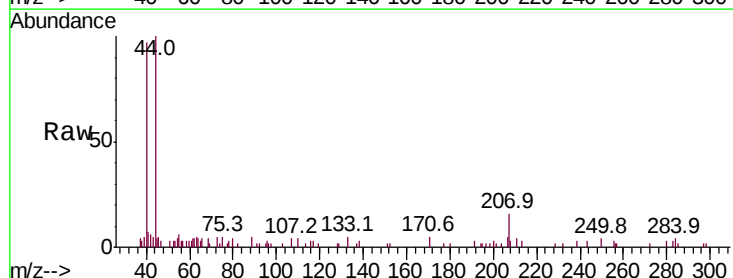
Instrument :
 MSVOA_F
 ClientSampled :
 TEST-PIT-7RE

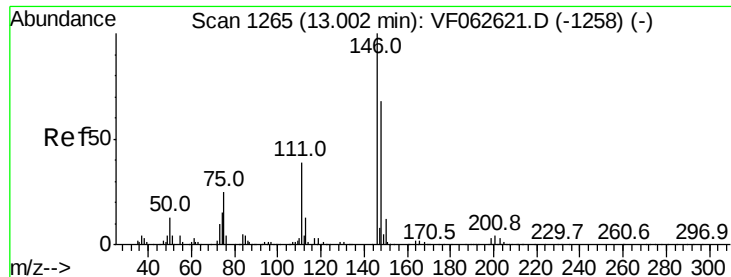
Tot Ion:	91	Resp:	613
Ion	Ratio	Lower	Upper
91	100		
92	0.0	33.3	99.8#
134	0.0	15.4	46.4#



#90
 Hexachloroethane
 Concen: 33.910 ug/l
 RT: 13.06 min Scan# 1271
 Delta R.T. 0.09 min
 Lab File: VF062788.D
 Acq: 29 May 2019 18:10

Tgt Ion:	117	Resp:	81
Ion	Ratio	Lower	Upper
117	100		
201	74.5	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 14.521 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.03 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

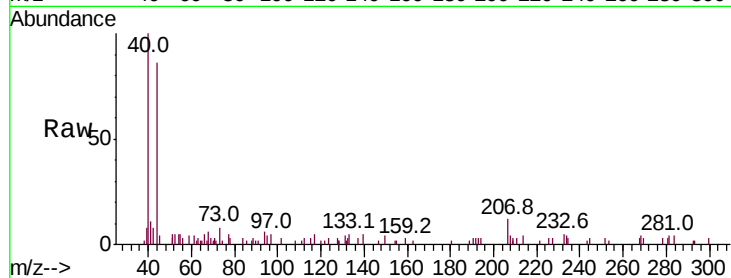
Tot Ion:146 Resp: 63

Ion Ratio Lower Upper

146 100

111 111.3 19.8 59.3#

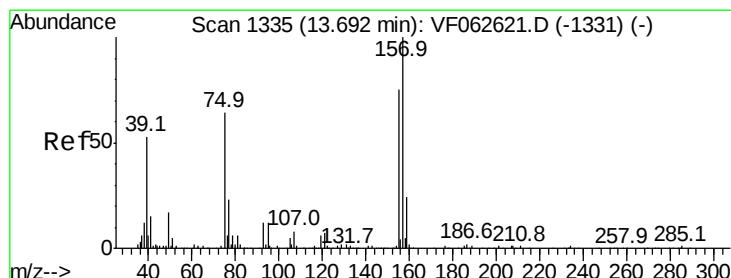
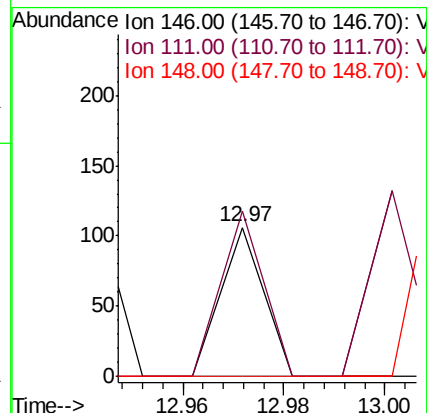
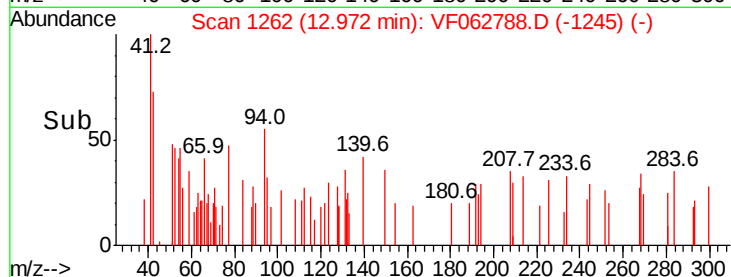
148 0.0 34.1 102.2#



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: 2171.701 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

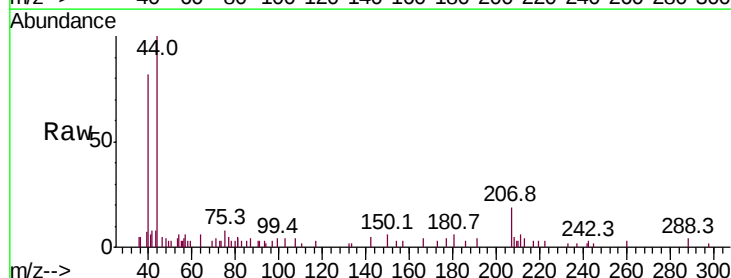
Tgt Ion: 75 Resp: 573

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

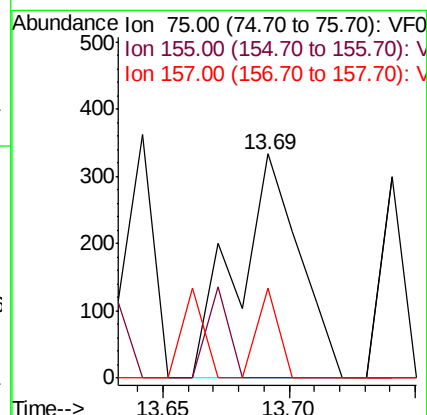
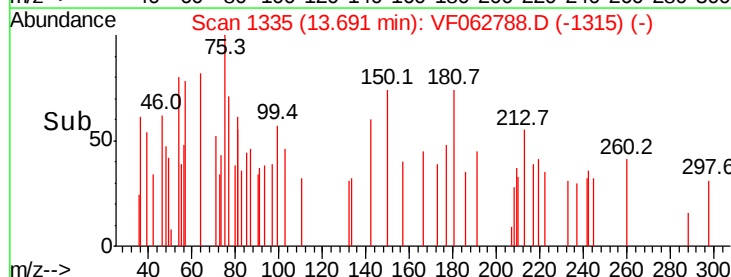
157 39.9 77.8 233.4#

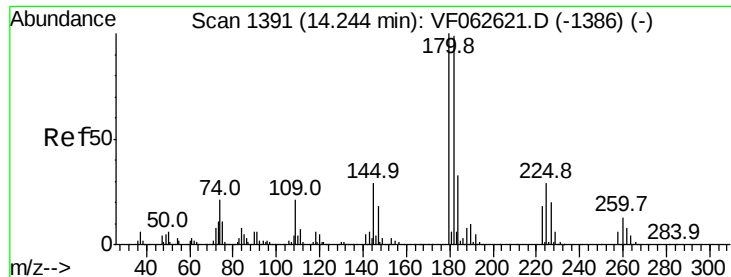


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 35.744 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

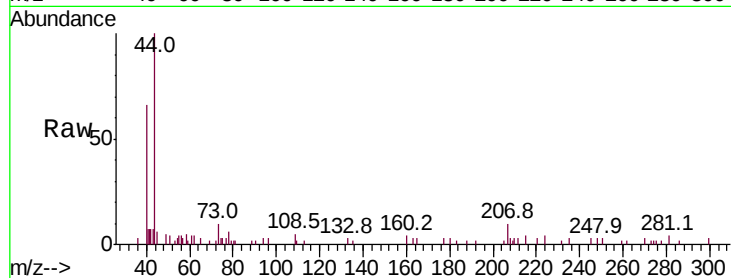
Tot Ion:180 Resp: 111

Ion Ratio Lower Upper

180 100

182 0.0 49.7 149.1#

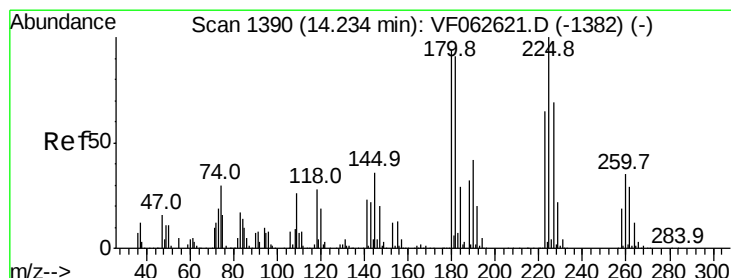
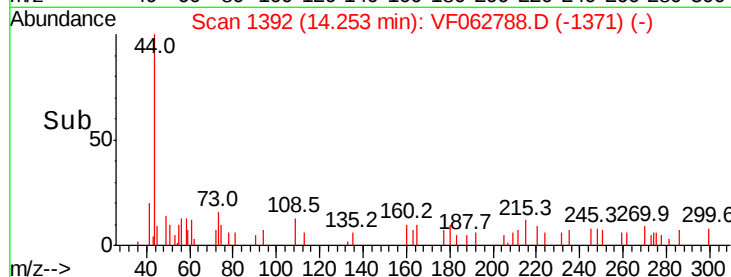
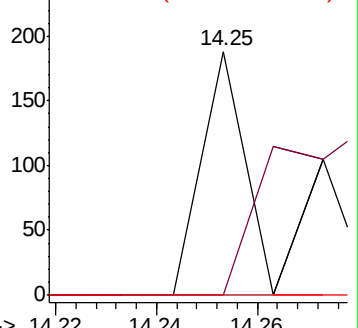
145 0.0 14.6 44.0#



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: 29.070 ug/l

RT: 14.29 min Scan# 1396

Delta R.T. 0.06 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

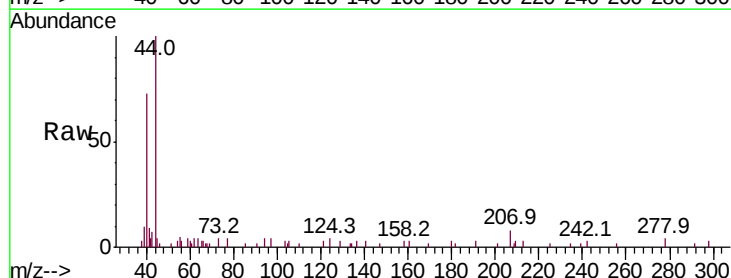
Tgt Ion:225 Resp: 63

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.4#

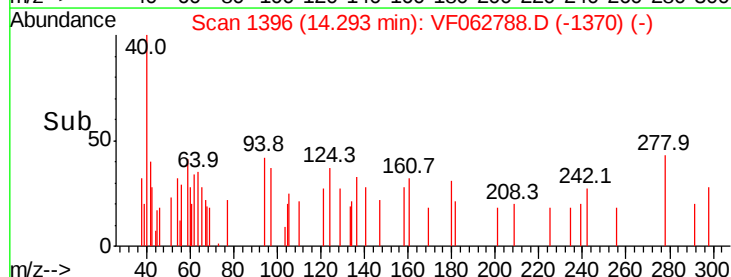
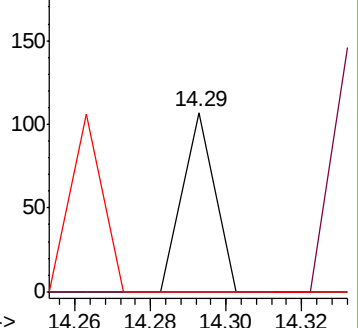
227 0.0 34.5 103.5#

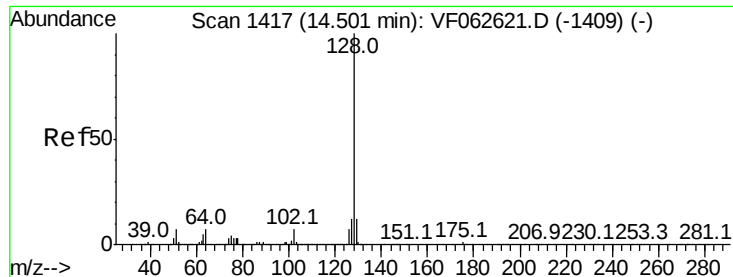


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 39.350 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-7RE

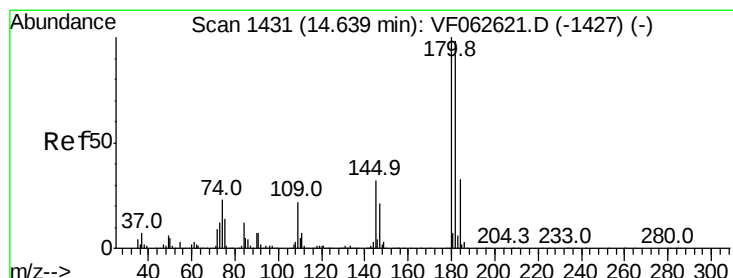
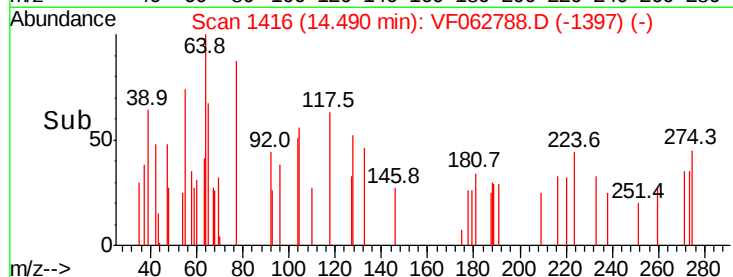
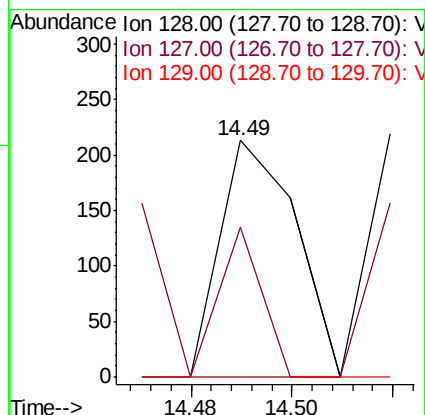
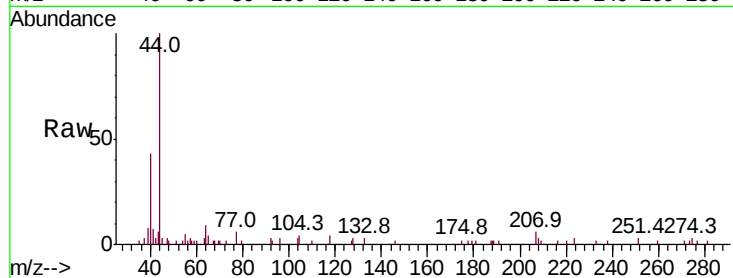
Tot Ion:128 Resp: 222

Ion Ratio Lower Upper

128 100

127 63.4 9.7 14.5#

129 0.0 9.3 13.9#



#96

1,2,3-Trichlorobenzene

Concen: 33.657 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062788.D

Acq: 29 May 2019 18:10

Tgt Ion:180 Resp: 99

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#

