

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062783.D
 Acq On : 29 May 2019 15:49
 Operator : FY/SY
 Sample : K3075-01RE
 Misc : 5.67g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

Quant Time: May 30 08:40:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	202	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.67	114	96	50.00	ug/l	-0.12
63) Chlorobenzene-d5	9.72	117	88	50.00	ug/l	-0.20
72) 1,4-Dichlorobenzene-d4	12.75	152	469	50.00	ug/l	0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	316	221.38	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	442.76%	
35) Dibromofluoromethane	4.24	113	151	205.56	ug/l	-0.08
Spiked Amount				50.000		
			Recovery	=	411.12%	
50) Toluene-d8	7.69	98	125	71.27	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	142.54%	
62) 4-Bromofluorobenzene	11.29	95	71	106.73	ug/l	-0.22
Spiked Amount				50.000		
			Recovery	=	213.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	137	49.838	ug/l #	66
3) Chloromethane	1.13	50	571	225.588	ug/l #	40
4) Vinyl Chloride	1.18	62	361	154.942	ug/l #	41
5) Bromomethane	1.54	94	329	258.119	ug/l	91
6) Chloroethane	1.42	64	290	338.906	ug/l #	1
7) Trichlorofluoromethane	1.49	101	122	38.998	ug/l	99
8) Diethyl Ether	1.75	74	80	129.083	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	139	69.778	ug/l #	1
10) Methyl Iodide	1.98	142	384	98.131	ug/l #	37
11) Tert butyl alcohol	2.71	59	295	3130.298	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	499	274.989	ug/l #	1
13) Acrolein	2.17	56	758	7705.337	ug/l	98
14) Allyl chloride	2.19	41	1308	796.428	ug/l #	14
15) Acrylonitrile	3.10	53	267	1004.382	ug/l	90
16) Acetone	2.37	43	951	2568.038	ug/l	100
17) Carbon Disulfide	1.92	76	121	22.497	ug/l #	1
18) Methyl Acetate	2.37	43	951	1634.200	ug/l	97
19) Methyl tert-butyl Ether	2.50	73	1067	328.924	ug/l #	64
20) Methylene Chloride	2.33	84	111	59.799	ug/l #	28
21) trans-1,2-Dichloroethene	2.44	96	423	238.492	ug/l #	1
22) Diisopropyl ether	2.95	45	1425	351.799	ug/l #	85
23) Vinyl Acetate	3.29	43	1176	430.384	ug/l #	72
24) 1,1-Dichloroethane	3.02	63	271	91.199	ug/l #	1
25) 2-Butanone	4.62	43	591	746.976	ug/l	94
26) 2,2-Dichloropropane	3.78	77	995	585.224	ug/l #	46
27) cis-1,2-Dichloroethene	3.66	96	889	304.715	ug/l	15
28) Bromochloromethane	3.90	49	158	94.805	ug/l #	1
29) Tetrahydrofuran	4.28	42	422	1318.061	ug/l #	30
30) Chloroform	4.05	83	190	46.053	ug/l #	55
31) Cyclohexane	3.87	56	194	48.623	ug/l #	15
32) 1,1,1-Trichloroethane	4.28	97	479	174.820	ug/l #	38
36) 1,1-Dichloropropene	4.42	75	470	477.786	ug/l #	31
37) Ethyl Acetate	4.24	43	889	2213.382	ug/l #	8
38) Carbon Tetrachloride	4.12	117	503	679.895	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	346	292.318	ug/l	93
40) Benzene	4.71	78	975	363.823	ug/l #	1
41) Methacrylonitrile	4.83	41	1016	4824.936	ug/l #	38
42) 1,2-Dichloroethane	5.01	62	193	361.146	ug/l	71
43) Isopropyl Acetate	6.96	43	571	1097.339	ug/l #	42
44) Trichloroethene	5.56	130	197	261.554	ug/l	47
45) 1,2-Dichloropropane	6.30	63	104	153.733	ug/l #	1
46) Dibromomethane	6.17	93	251	642.001	ug/l #	3
47) Bromodichloromethane	6.42	83	66	81.316	ug/l #	1
48) Methyl methacrylate	6.76	41	1489	5474.711	ug/l #	33
49) 1,4-Dioxane	6.69	88	186	53394.981	ug/l #	25
51) 4-Methyl-2-Pentanone	8.26	43	188	528.566	ug/l #	62
52) Toluene	7.66	92	122	86.805	ug/l	85
53) t-1,3-Dichloropropene	8.24	75	59	88.852	ug/l #	44
54) cis-1,3-Dichloropropene	7.32	75	361	388.372	ug/l #	1
55) 1,1,2-Trichloroethane	8.46	97	83	199.455	ug/l #	59
56) Ethyl methacrylate	8.58	69	263	530.486	ug/l #	43
57) 1,3-Dichloropropane	8.82	76	288	406.320	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.29	63	310	1921.002	ug/l #	79
59) 2-Hexanone	9.45	43	652	3014.646	ug/l	79
60) Dibromochloromethane	8.66	129	117	215.725	ug/l #	12
61) 1,2-Dibromoethane	8.95	107	88	199.096	ug/l #	3
64) Tetrachloroethene	8.32	164	64	91.801	ug/l #	1
65) Chlorobenzene	9.97	112	280	161.999	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.15	131	122	175.827	ug/l	85
67) Ethyl Benzene	10.03	91	462	153.866	ug/l #	42
68) m/p-Xylenes	10.33	106	309	273.811	ug/l	94
69) o-Xylene	10.76	106	190	163.458	ug/l	59
70) Styrene	10.90	104	145	82.072	ug/l #	1
71) Bromoform	10.90	173	99	284.882	ug/l #	27
73) Isopropylbenzene	11.34	105	415	12.346	ug/l	78
74) N-amyl acetate	11.42	43	680	83.078	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	11.74	83	510	74.241	ug/l #	82
76) 1,2,3-Trichloropropane	11.76	75	461	102.134	ug/l	90
77) Bromobenzene	11.57	156	75	8.976	ug/l #	1
78) n-propylbenzene	11.70	91	77	1.936	ug/l #	1
79) 2-Chlorotoluene	11.73	91	116	5.174	ug/l	74
80) 1,3,5-Trimethylbenzene	11.85	105	173	6.419	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	95	47.349	ug/l #	26
82) 4-Chlorotoluene	12.12	91	360	16.283	ug/l	97
83) tert-Butylbenzene	12.21	119	380	13.896	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.29	105	162	6.210	ug/l	75
85) sec-Butylbenzene	12.40	105	253	6.894	ug/l #	54
86) p-Isopropyltoluene	12.50	119	561	18.139	ug/l #	49
87) 1,3-Dichlorobenzene	12.53	146	234	15.480	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	79	5.569	ug/l #	12
89) n-Butylbenzene	12.92	91	156	5.116	ug/l #	25
90) Hexachloroethane	12.98	117	215	28.979	ug/l #	20
91) 1,2-Dichlorobenzene	12.94	146	158	11.726	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	350	427.088	ug/l #	1

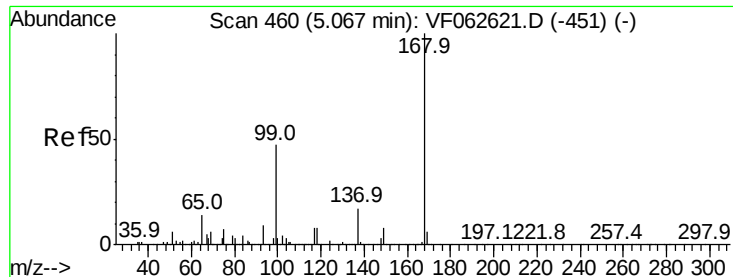
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	380	39.397	ug/l #	11
94) Hexachlorobutadiene	14.24	225	143	21.244	ug/l #	59
95) Naphthalene	14.48	128	423	24.140	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.60	180	470	51.444	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

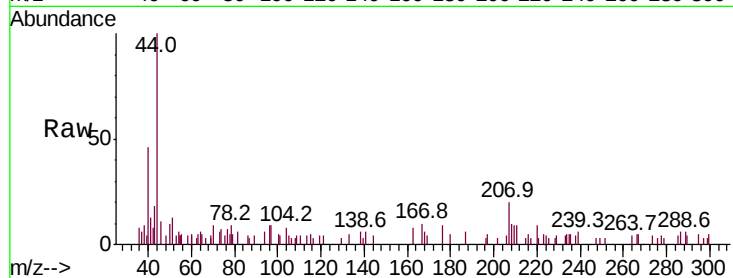
TEST-PIT-1RE

Tot Ion:168 Resp: 202

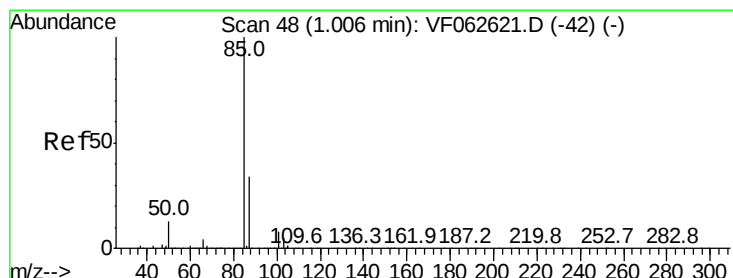
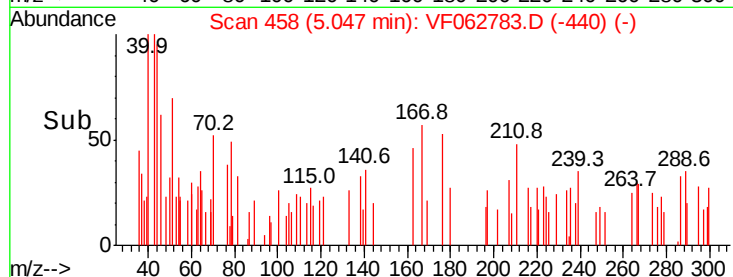
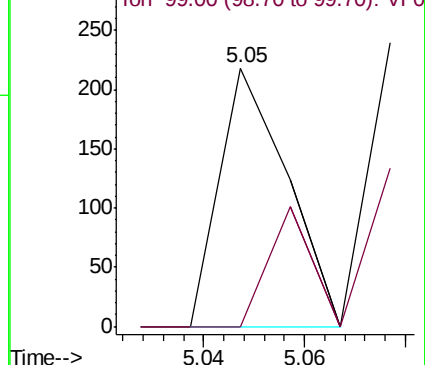
Ion Ratio Lower Upper

168 100

99 0.0 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 49.838 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062783.D

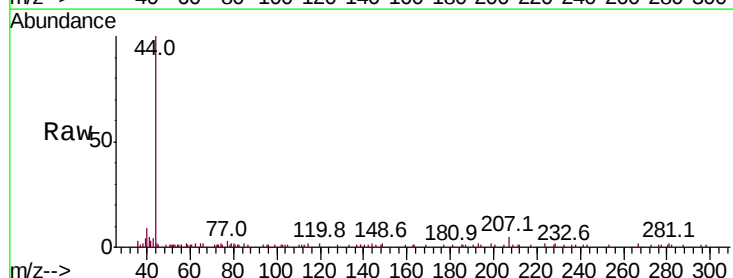
Acq: 29 May 2019 15:49

Tgt Ion: 85 Resp: 137

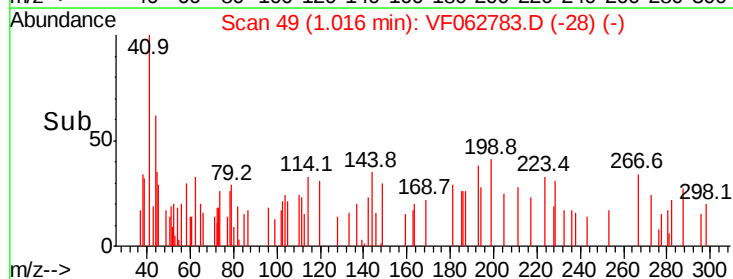
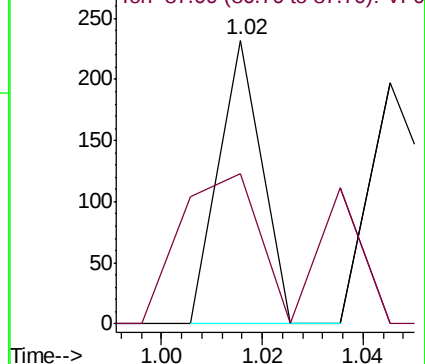
Ion Ratio Lower Upper

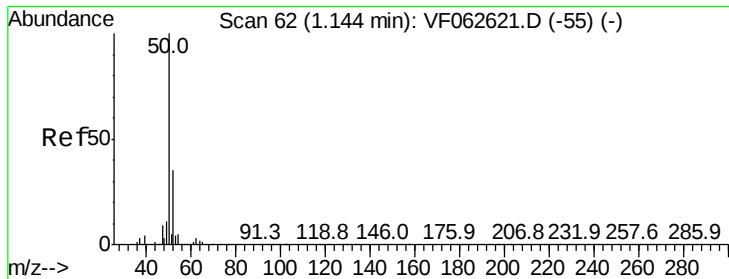
85 100

87 53.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 225.588 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

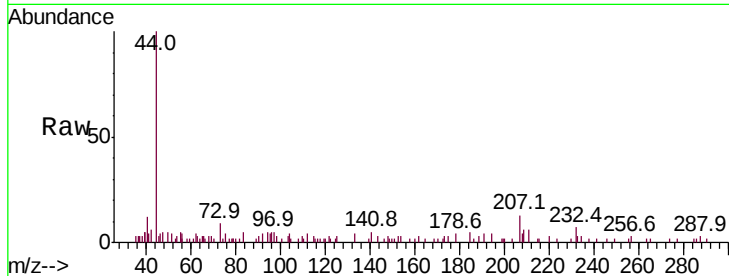
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

Tot Ion: 50 Resp: 571

Ion Ratio Lower Upper

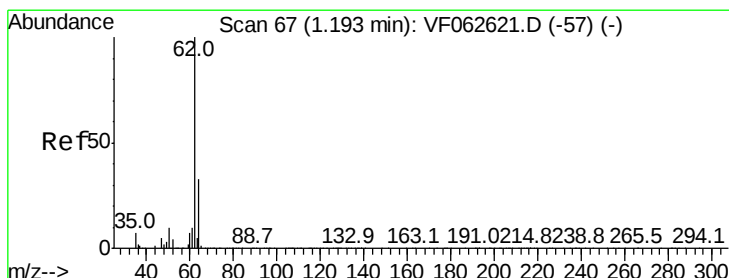
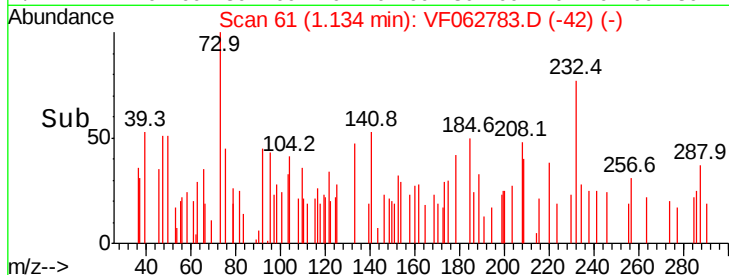
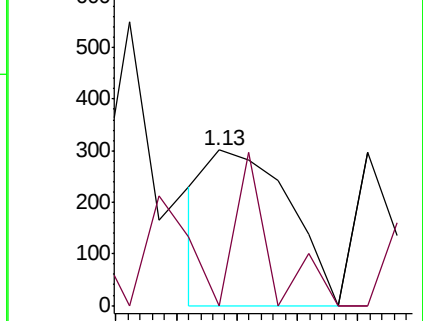
50 100

52 0.0 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: 154.942 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062783.D

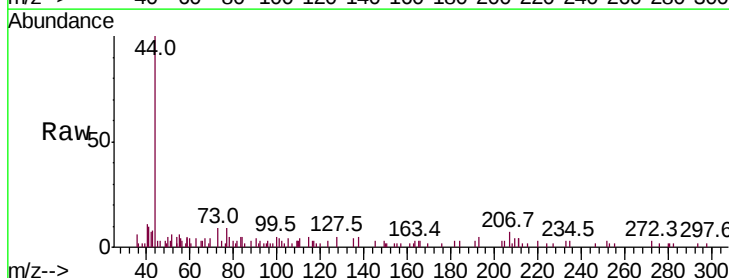
Acq: 29 May 2019 15:49

Tgt Ion: 62 Resp: 361

Ion Ratio Lower Upper

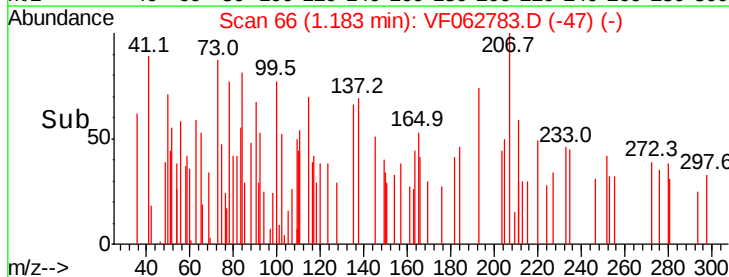
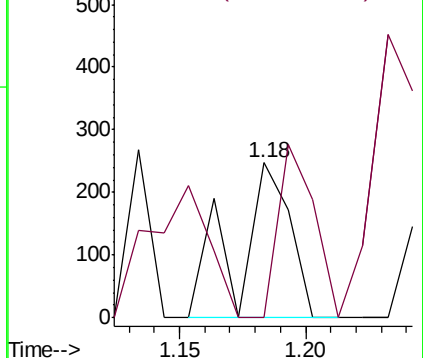
62 100

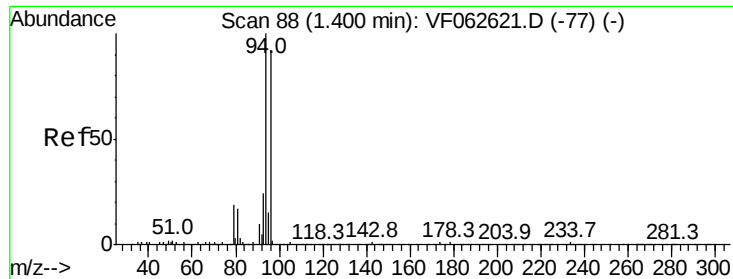
64 0.0 26.7 40.1#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 258.119 ug/l

RT: 1.54 min Scan# 102

Delta R.T. 0.14 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

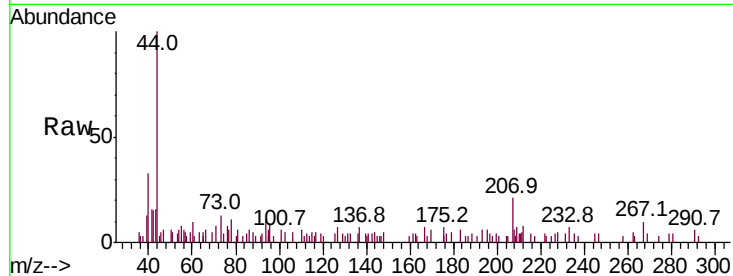
TEST-PIT-1RE

Tot Ion: 94 Resp: 329

Ion Ratio Lower Upper

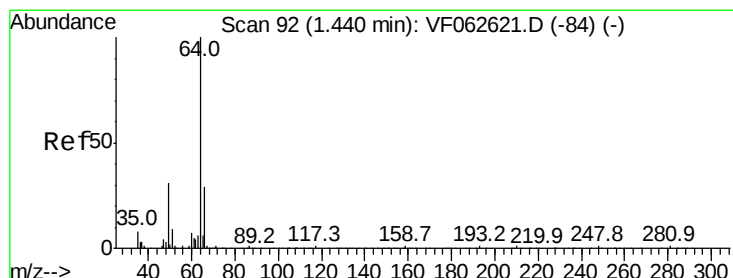
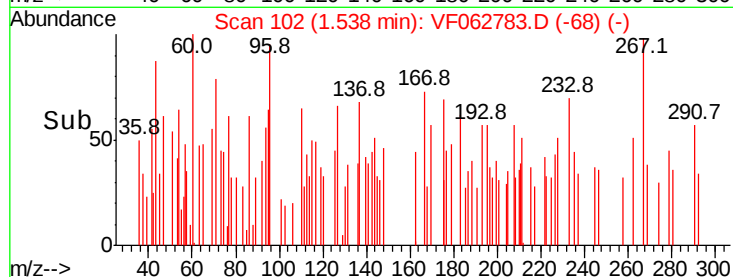
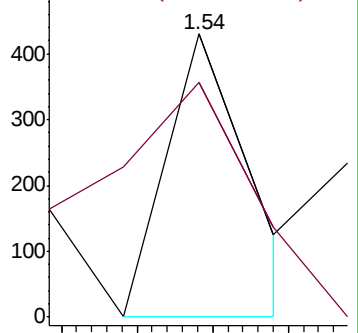
94 100

96 82.8 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 338.906 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF062783.D

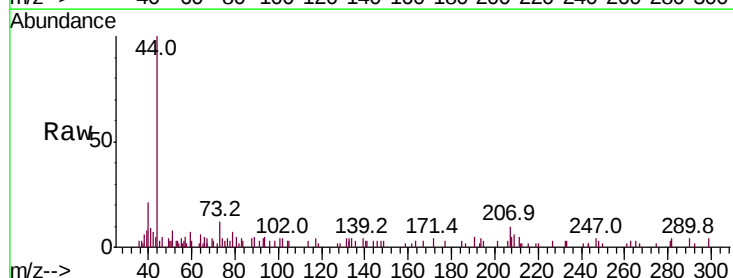
Acq: 29 May 2019 15:49

Tgt Ion: 64 Resp: 290

Ion Ratio Lower Upper

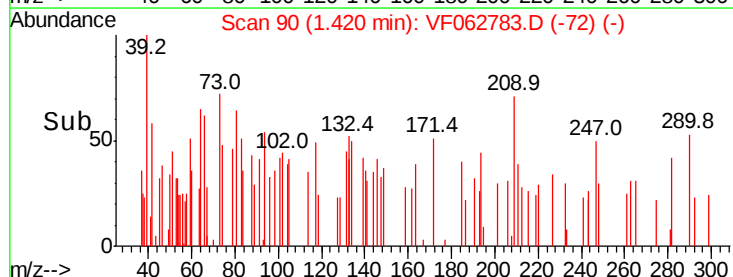
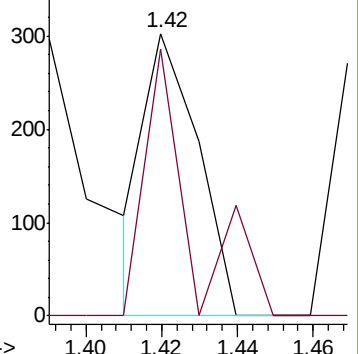
64 100

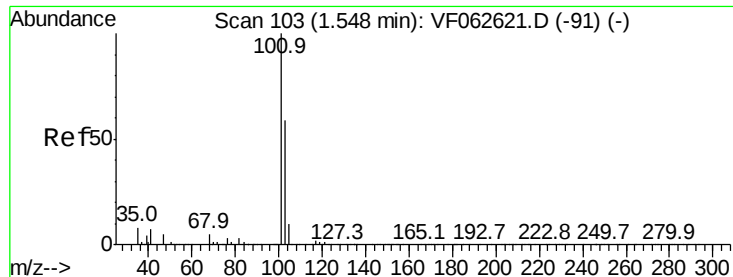
66 94.4 23.4 35.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



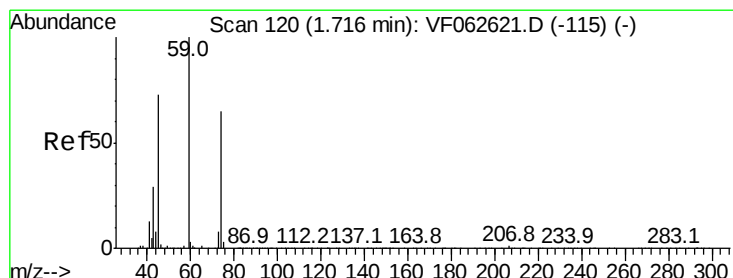
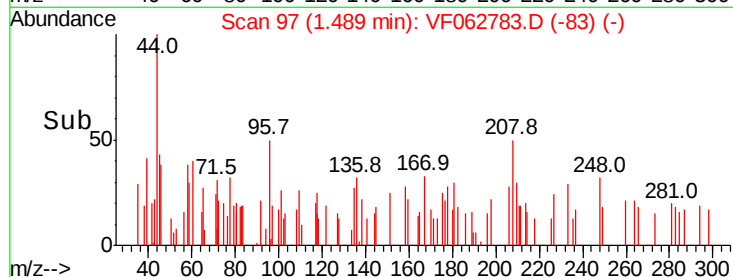
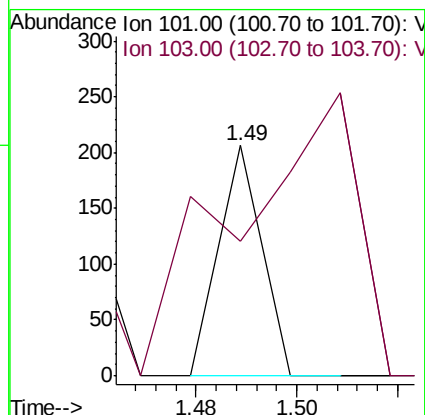
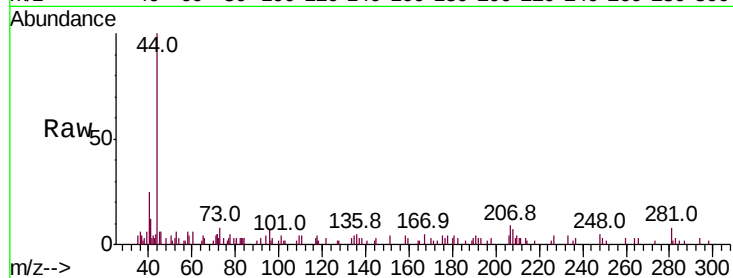


#7

Trichlorofluoromethane
Concen: 38.998 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.06 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

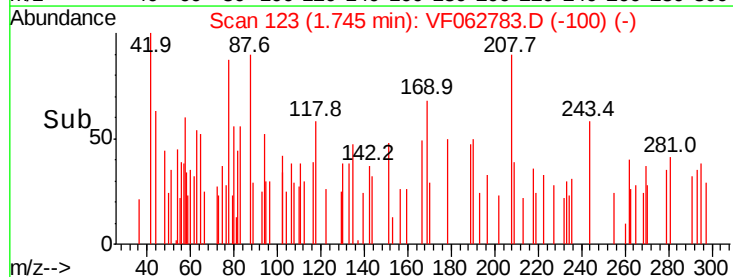
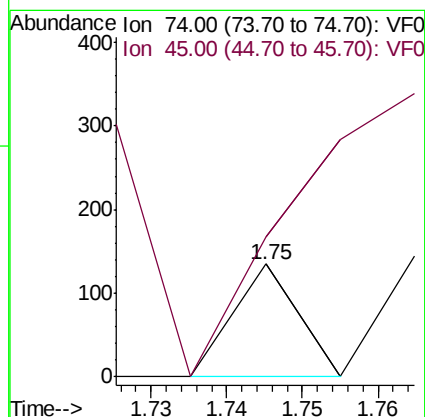
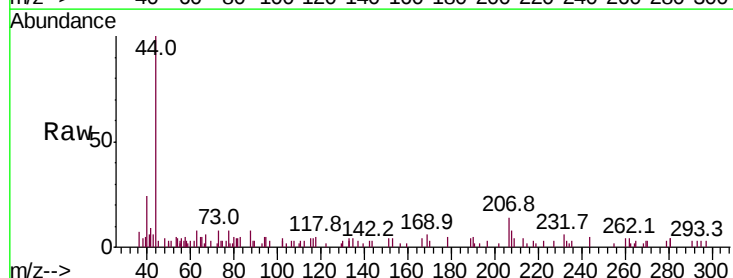
Tot Ion:101 Resp: 122
Ion Ratio Lower Upper
101 100
103 58.3 47.3 70.9

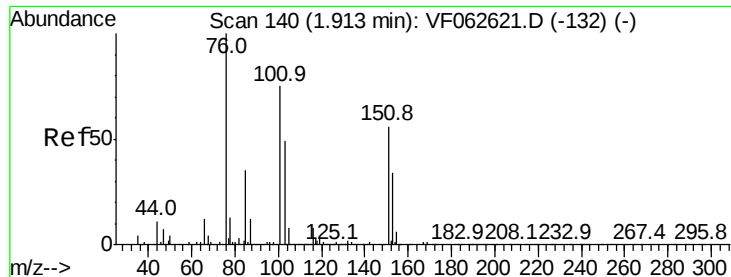


#8

Diethyl Ether
Concen: 129.083 ug/l
RT: 1.75 min Scan# 123
Delta R.T. 0.03 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion: 74 Resp: 80
Ion Ratio Lower Upper
74 100
45 123.7 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.778 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

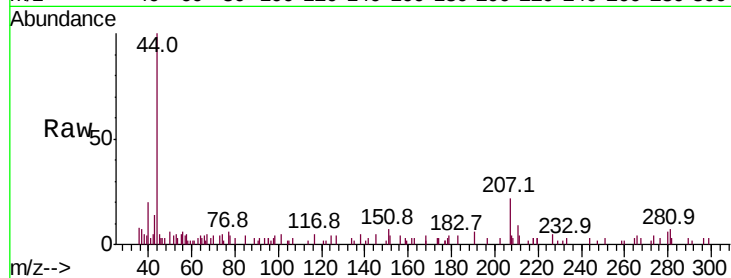
Tot Ion:101 Resp: 139

Ion Ratio Lower Upper

101 100

85 81.3 37.1 55.7#

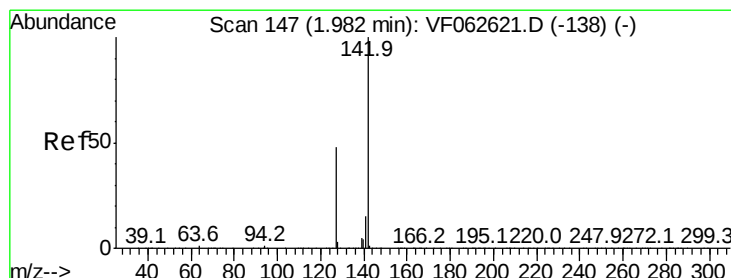
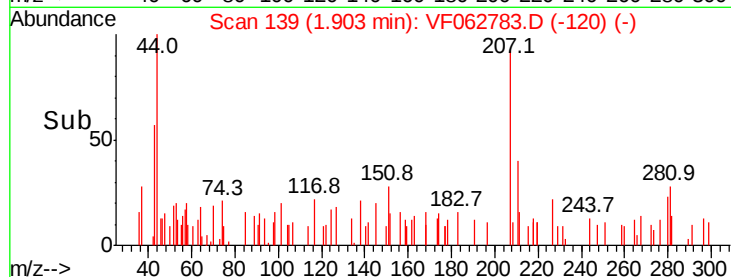
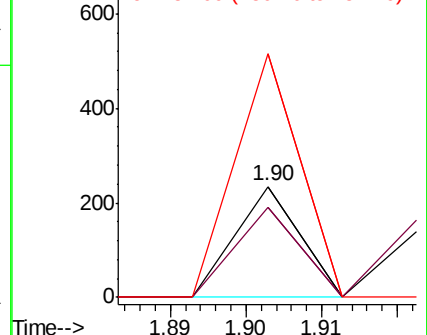
151 219.1 58.8 88.2#



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: 98.131 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

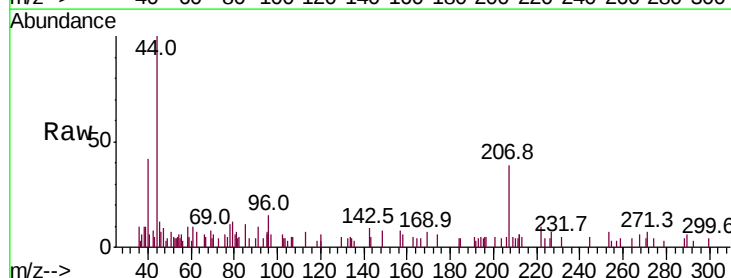
Tgt Ion:142 Resp: 384

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

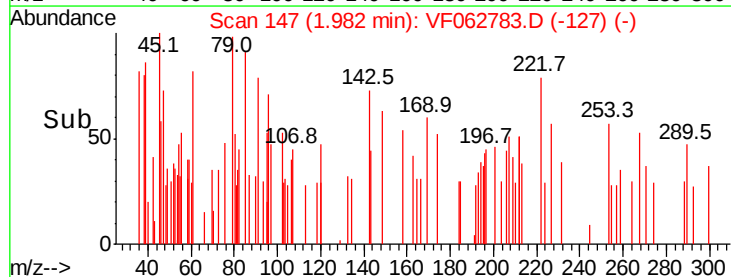
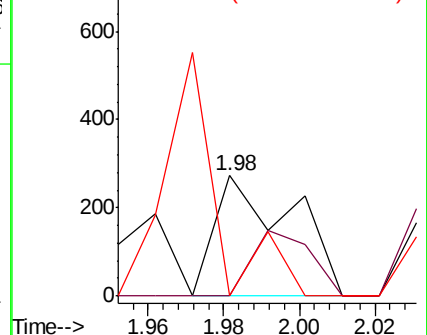
141 0.0 11.7 17.5#

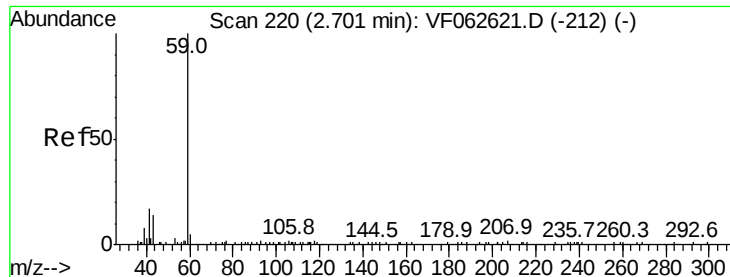


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



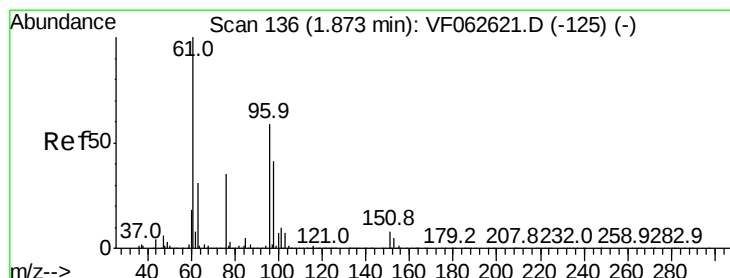
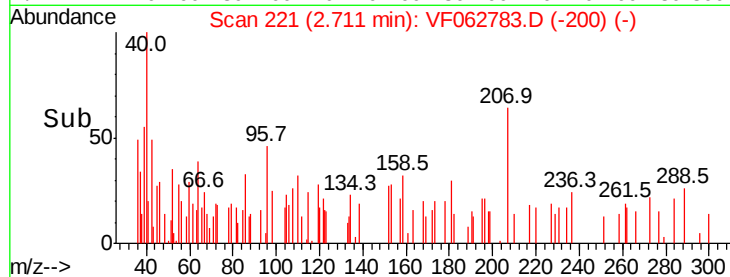
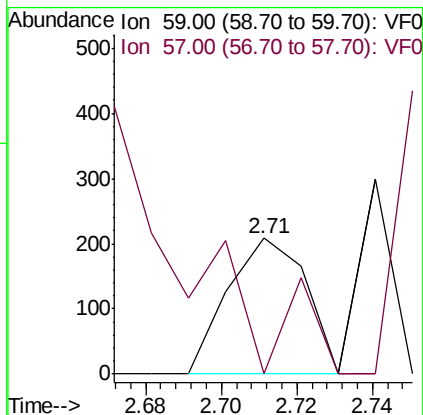
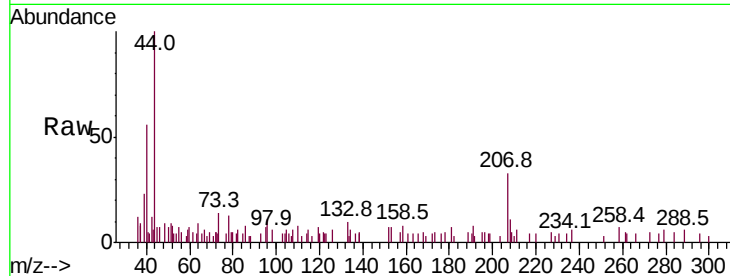


#11

Tert butyl alcohol
Concen: 3130.298 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

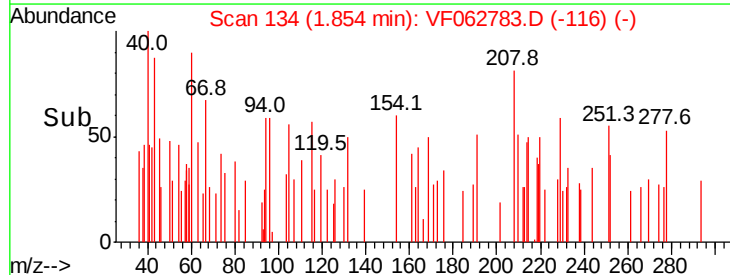
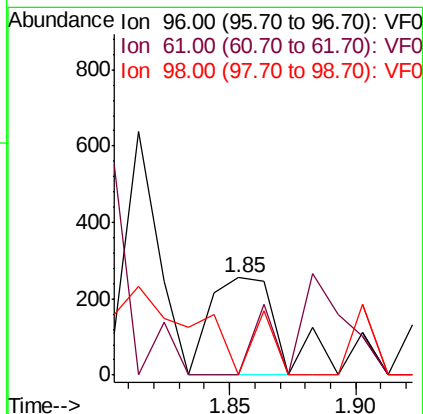
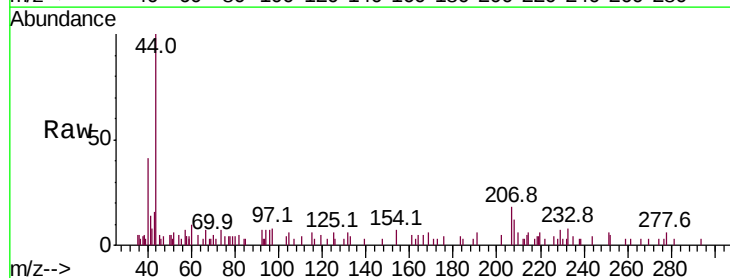
Tot Ion: 59 Resp: 295
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

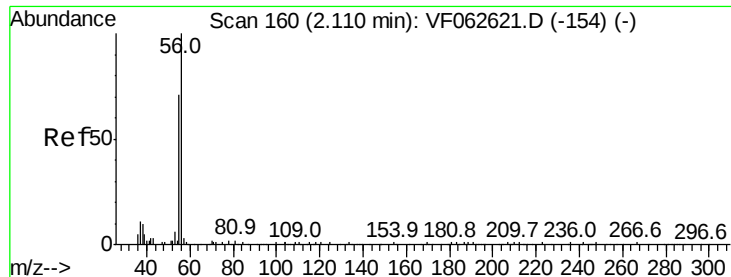


#12

1,1-Dichloroethene
Concen: 274.989 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.02 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion: 96 Resp: 499
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 0.0 55.0 82.6#





#13

Acrolein

Concen: 7705.337 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.06 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

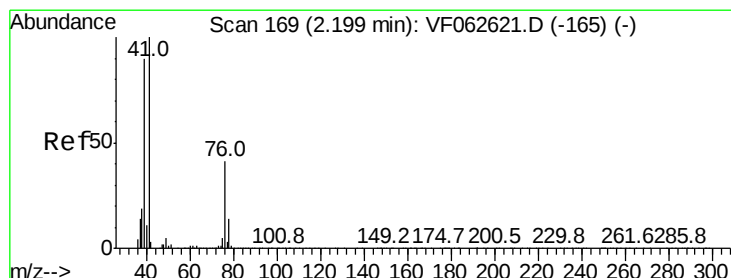
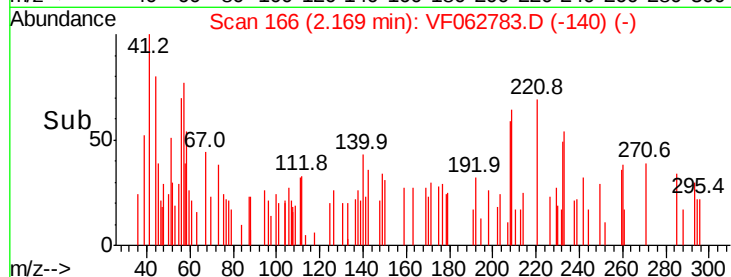
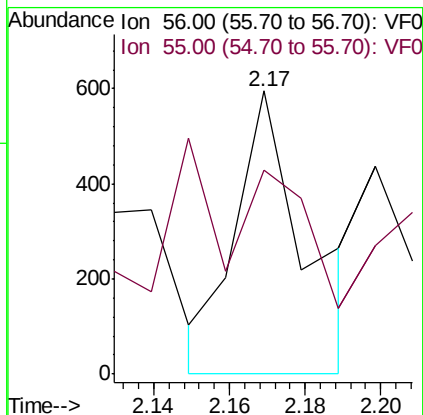
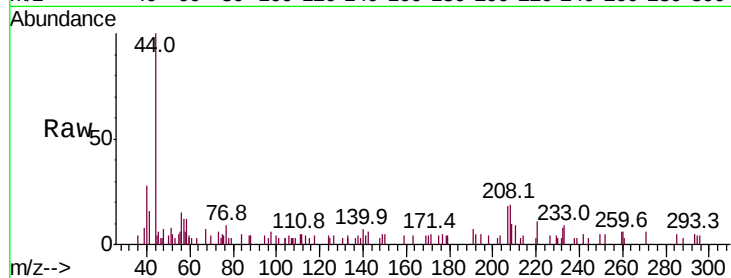
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

Tot Ion: 56 Resp: 758

Ion Ratio Lower Upper

56 100

55 72.1 59.4 89.0



#14

Allyl chloride

Concen: 796.428 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

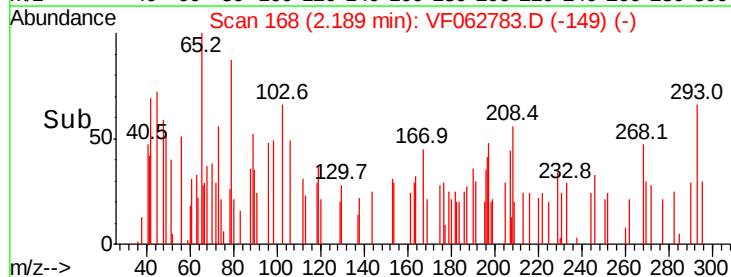
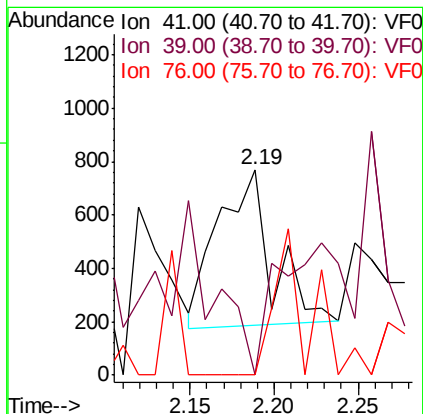
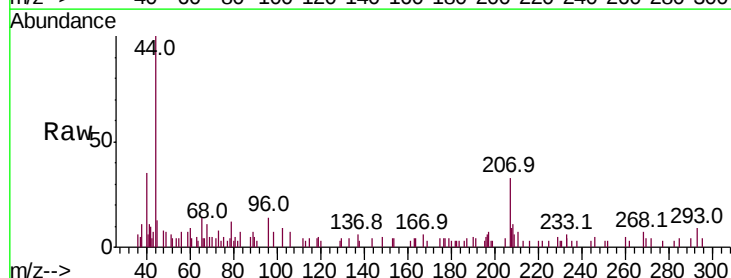
Tgt Ion: 41 Resp: 1308

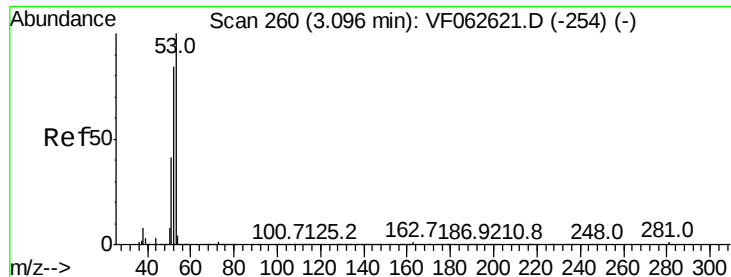
Ion Ratio Lower Upper

41 100

39 0.0 72.0 108.0#

76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 1004.382 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

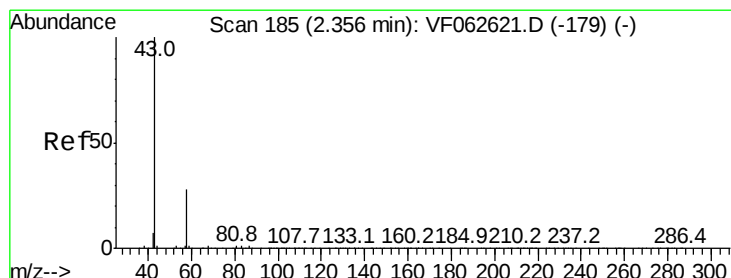
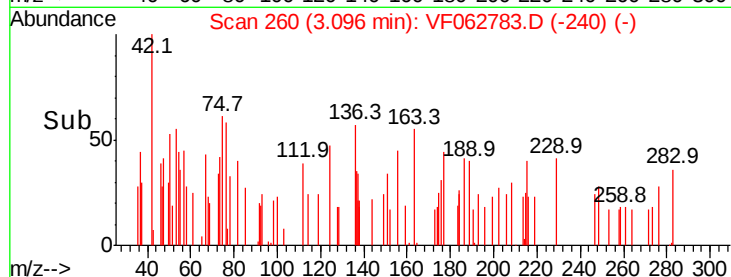
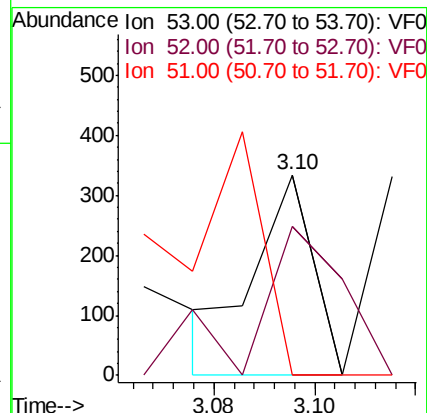
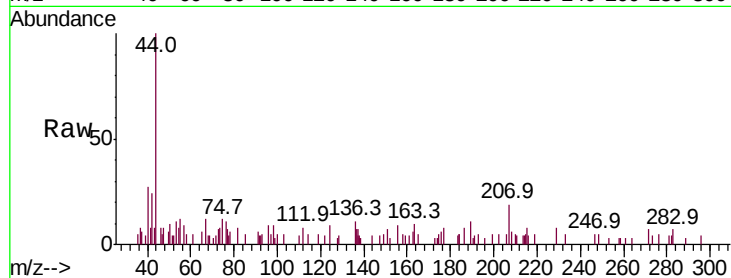
Tot Ion: 53 Resp: 267

Ion Ratio Lower Upper

53 100

52 74.6 67.3 100.9

51 35.3 33.0 49.6



#16

Acetone

Concen: 2568.038 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062783.D

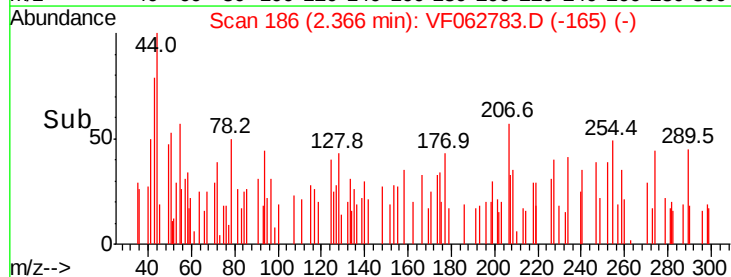
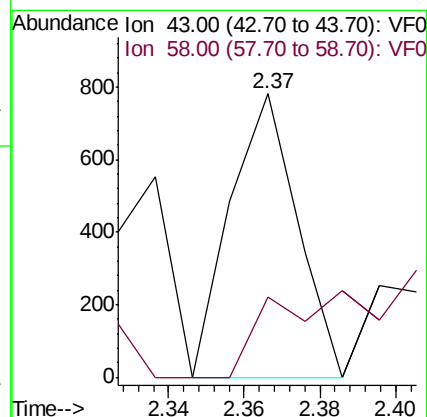
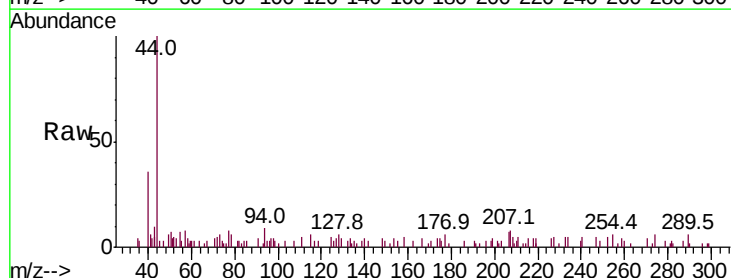
Acq: 29 May 2019 15:49

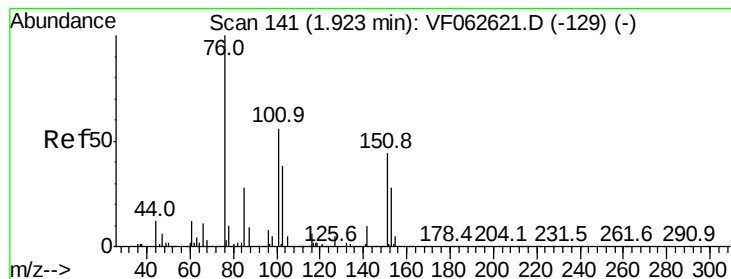
Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 28.3 22.6 33.8





#17

Carbon Disulfide

Concen: 22.497 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

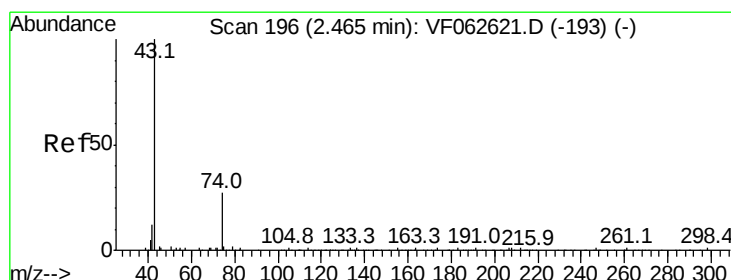
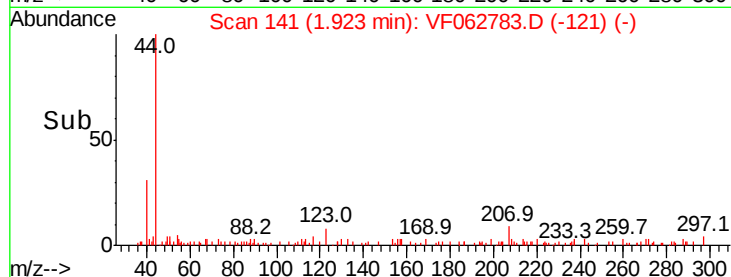
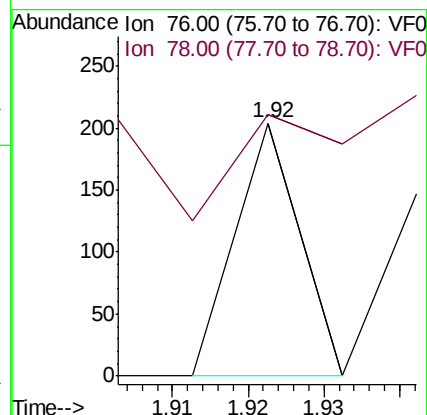
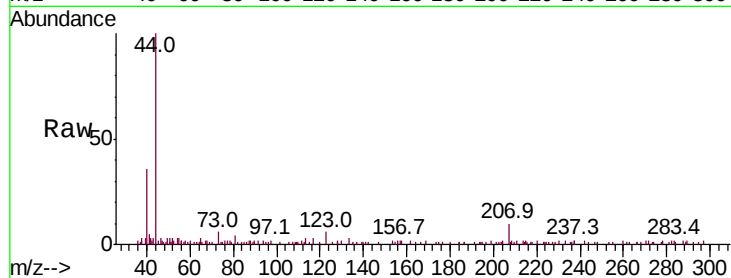
TEST-PIT-1RE

Tot Ion: 76 Resp: 121

Ion Ratio Lower Upper

76 100

78 103.4 8.4 12.6#



#18

Methyl Acetate

Concen: 1634.200 ug/l

RT: 2.37 min Scan# 186

Delta R.T. -0.10 min

Lab File: VF062783.D

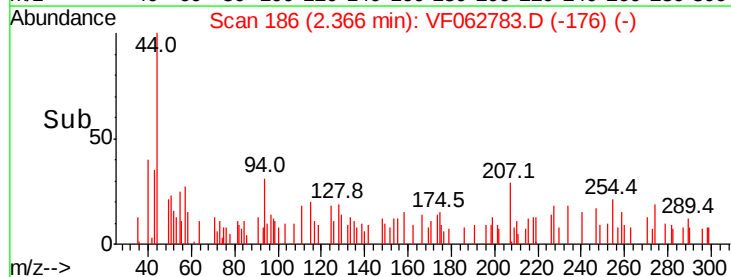
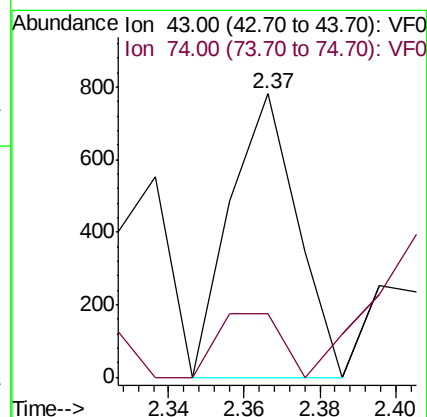
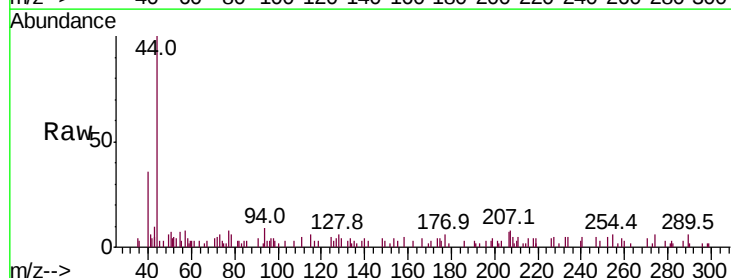
Acq: 29 May 2019 15:49

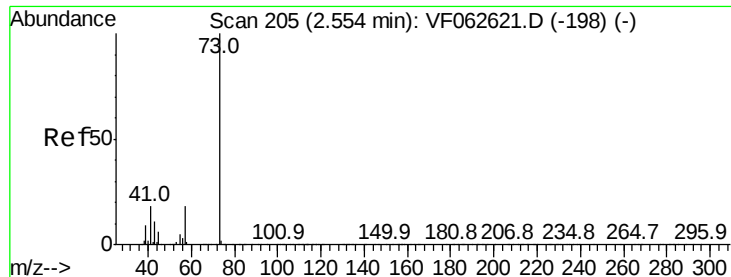
Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

74 22.3 18.9 28.3



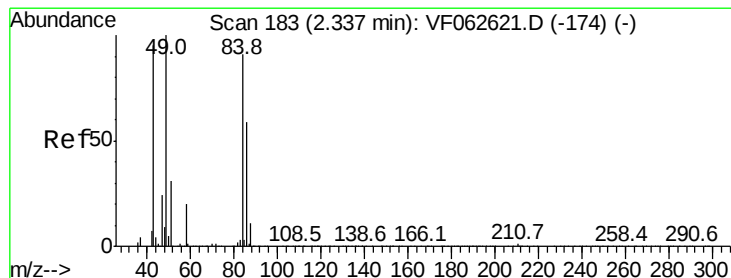
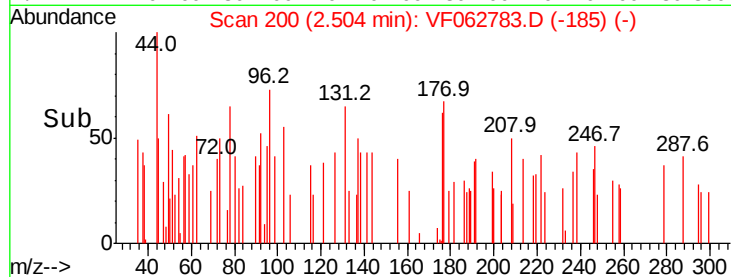
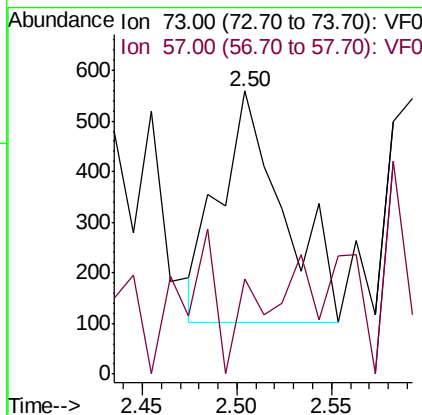
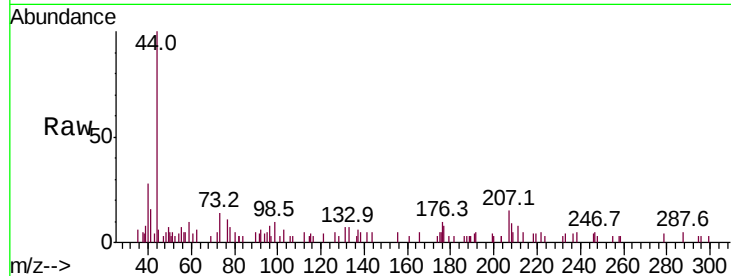


#19

Methyl tert-butyl Ether
 Concen: 328.924 ug/l
 RT: 2.50 min Scan# 200
 Delta R.T. -0.05 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

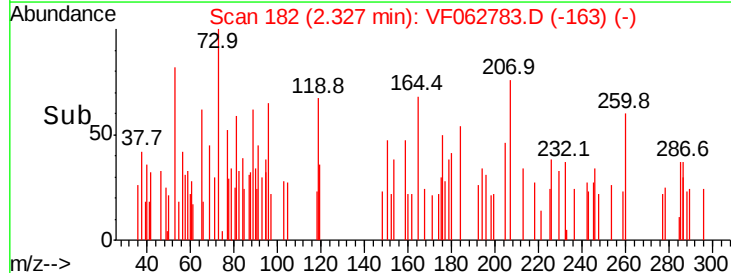
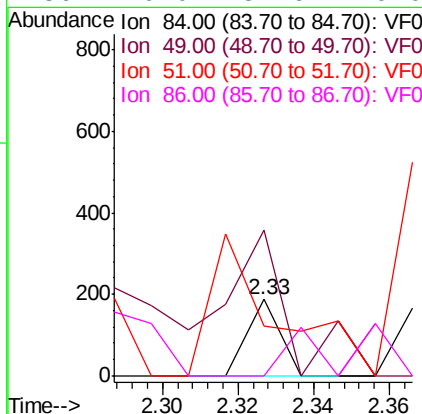
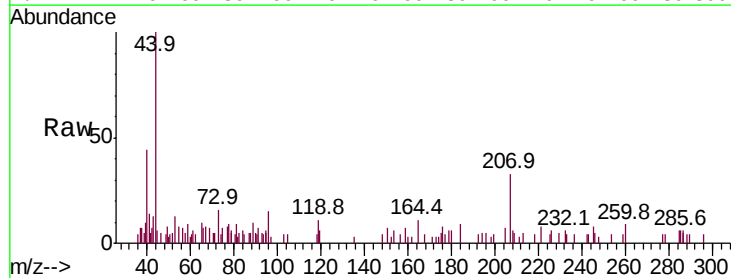
Tot Ion: 73 Resp: 1067
 Ion Ratio Lower Upper
 73 100
 57 33.8 14.2 21.4#

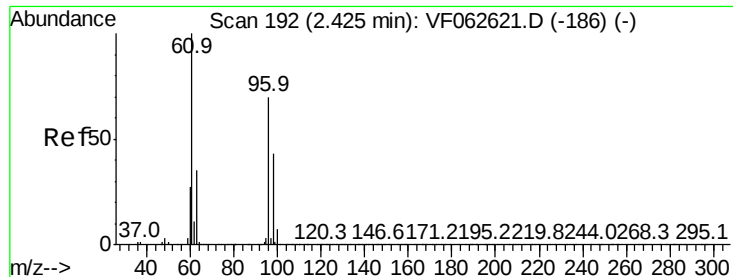


#20

Methylene Chloride
 Concen: 59.799 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

Tgt Ion: 84 Resp: 111
 Ion Ratio Lower Upper
 84 100
 49 190.4 89.8 134.8#
 51 64.9 28.4 42.6#
 86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 238.492 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

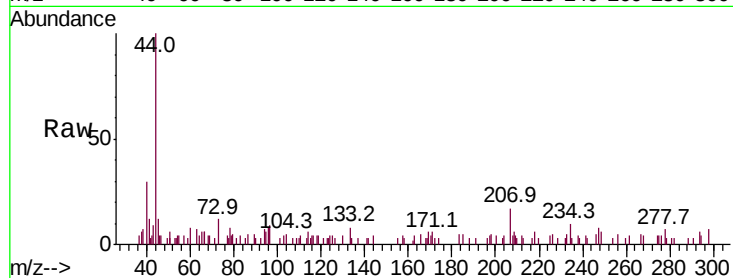
Tot Ion: 96 Resp: 423

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

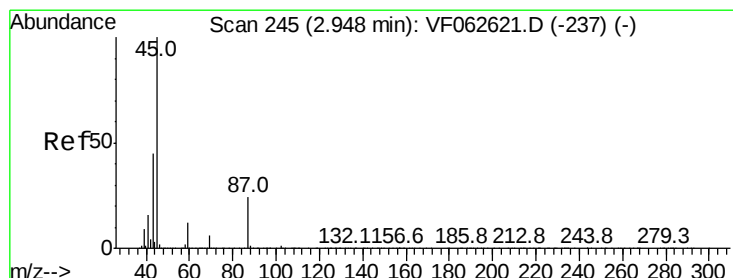
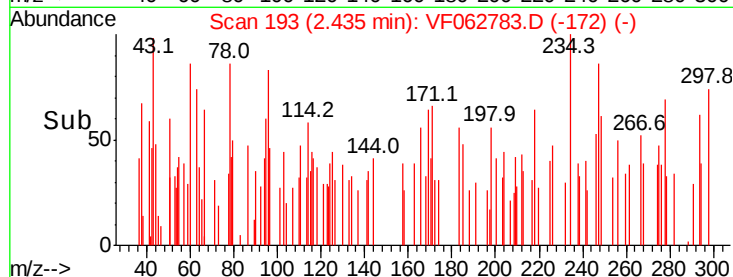
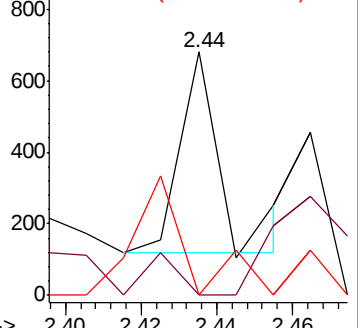
98 0.0 49.5 74.3#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 351.799 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Tgt Ion: 45 Resp: 1425

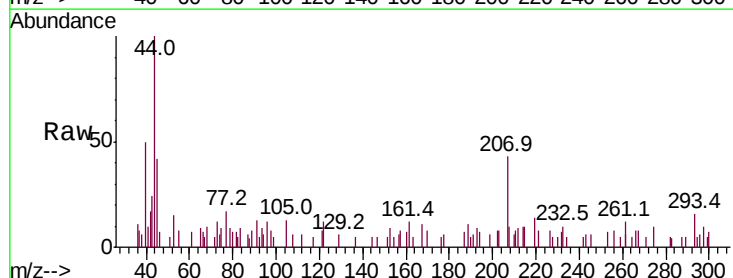
Ion Ratio Lower Upper

45 100

43 57.6 36.4 54.6#

87 24.2 19.3 28.9

59 0.0 9.4 14.2#

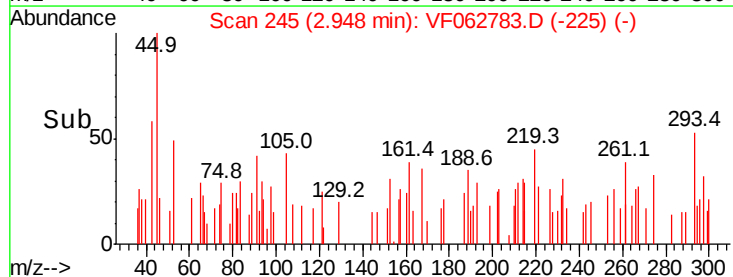
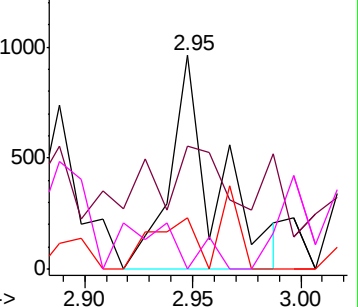


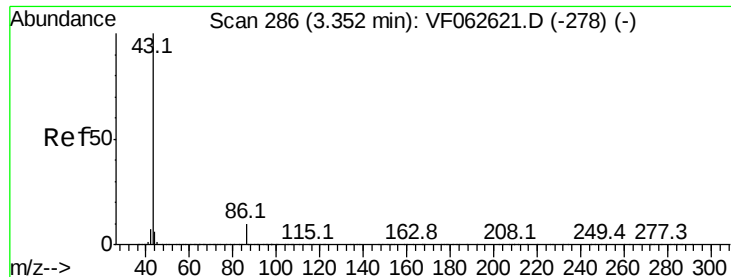
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 430.384 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.06 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

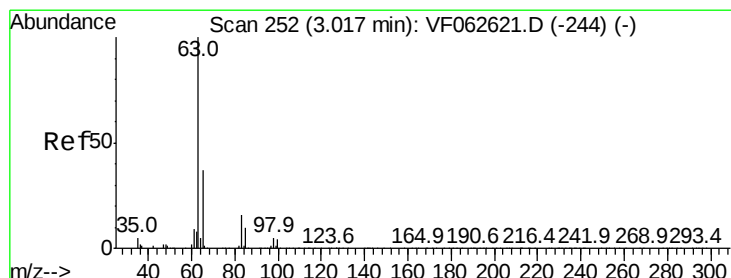
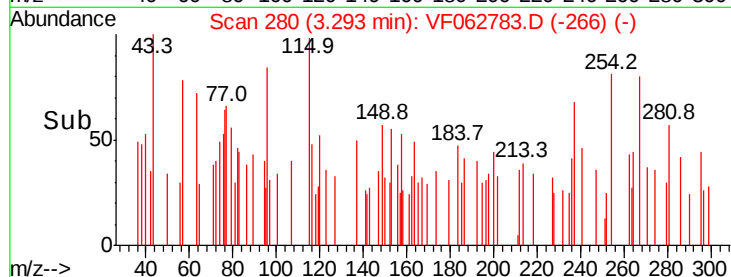
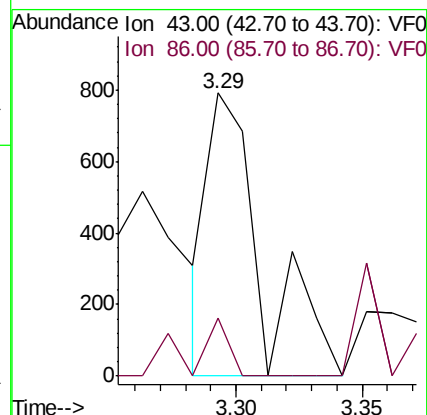
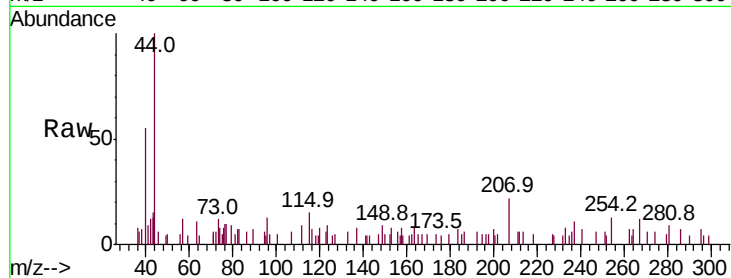
TEST-PIT-1RE

Tot Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

86 20.5 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 91.199 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

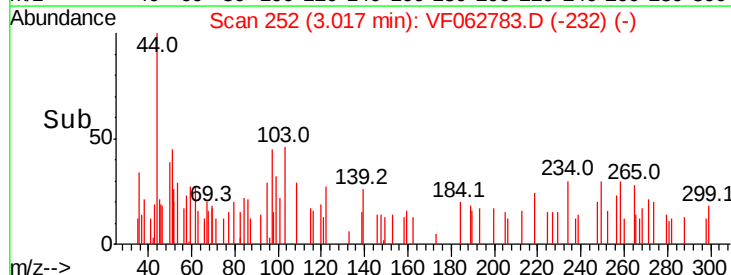
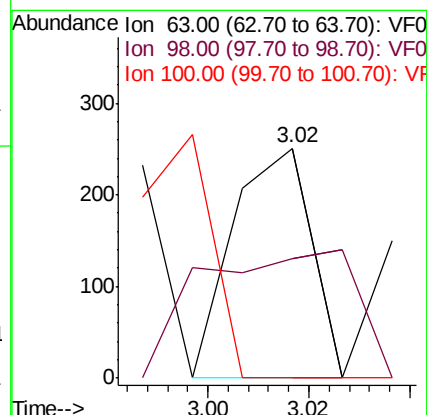
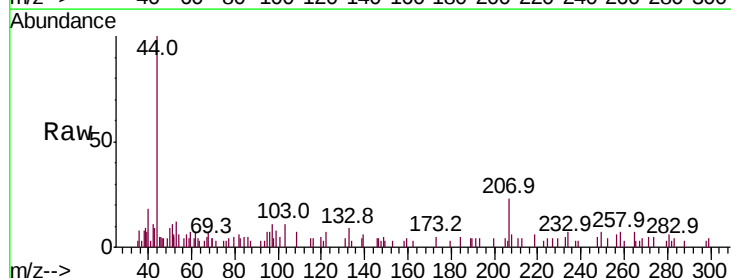
Tgt Ion: 63 Resp: 271

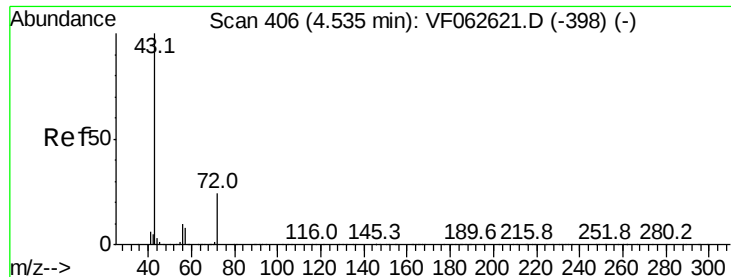
Ion Ratio Lower Upper

63 100

98 51.8 2.8 8.3#

100 76.1 1.9 5.7#





#25

2-Butanone

Concen: 746.976 ug/l

RT: 4.62 min Scan# 415

Delta R.T. 0.09 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

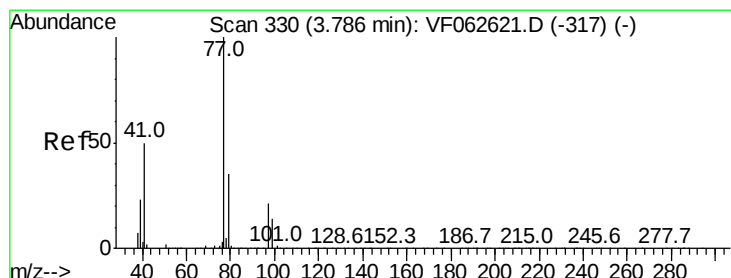
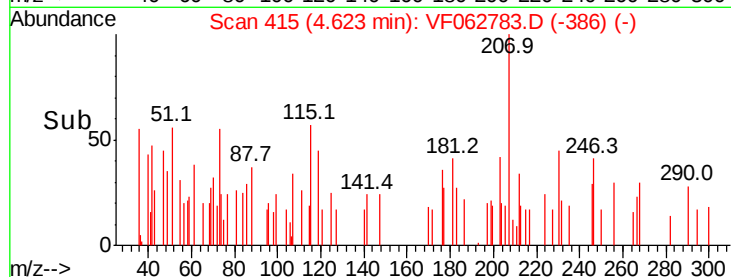
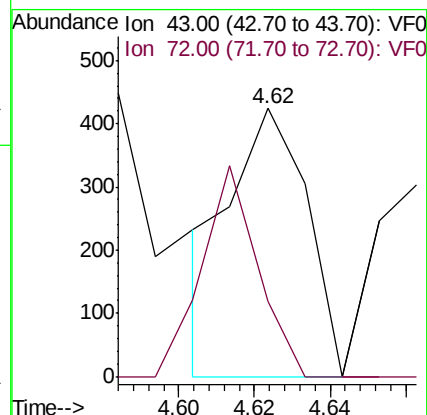
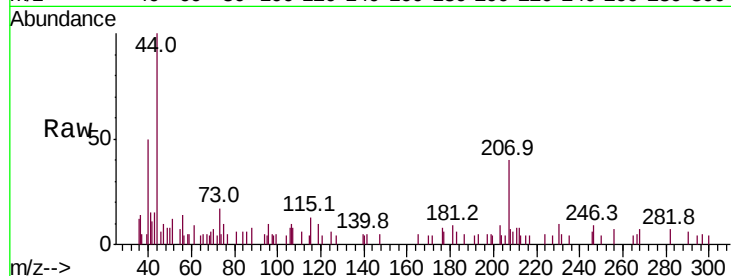
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

Tot Ion: 43 Resp: 591

Ion Ratio Lower Upper

43 100

72 28.1 20.1 30.1



#26

2,2-Dichloropropane

Concen: 585.224 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062783.D

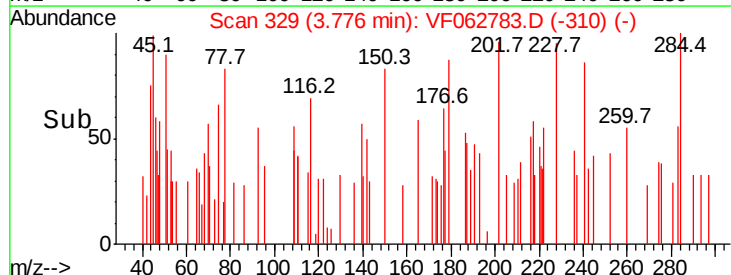
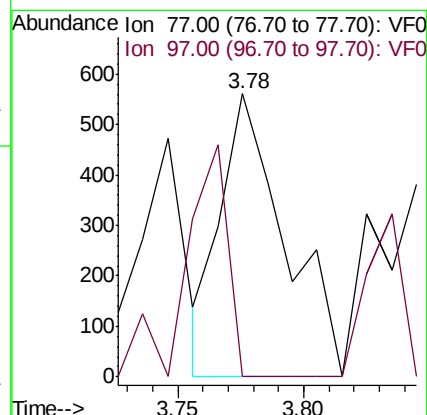
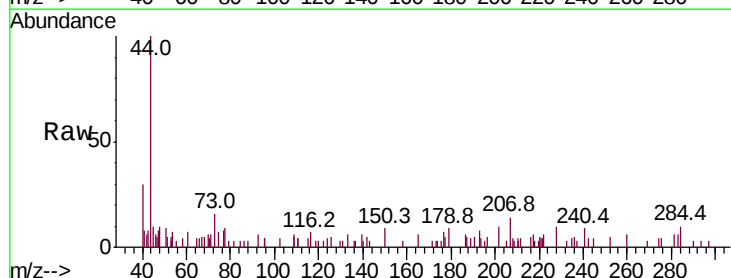
Acq: 29 May 2019 15:49

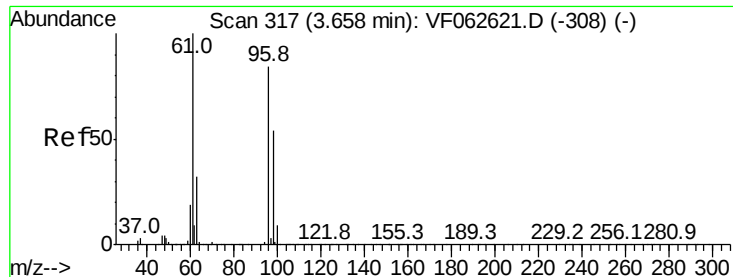
Tgt Ion: 77 Resp: 995

Ion Ratio Lower Upper

77 100

97 0.0 14.1 42.4#



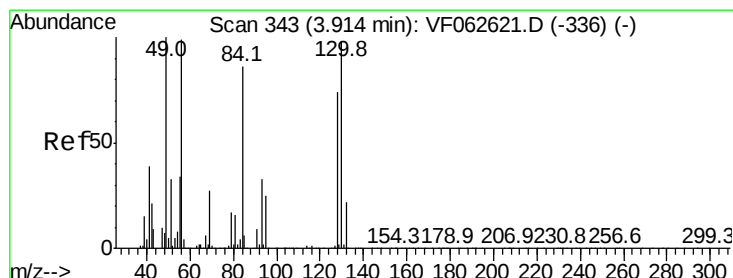
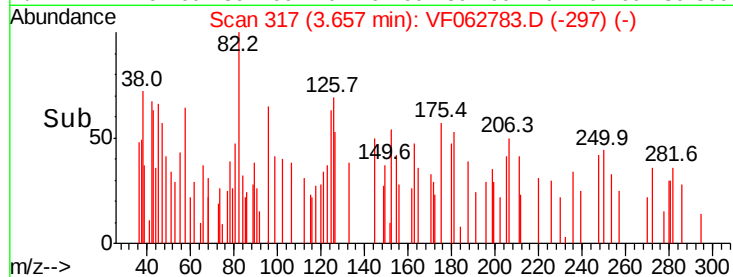
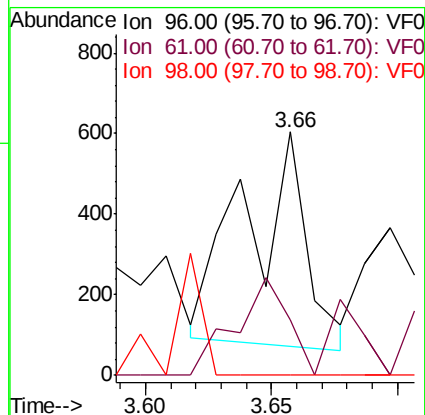
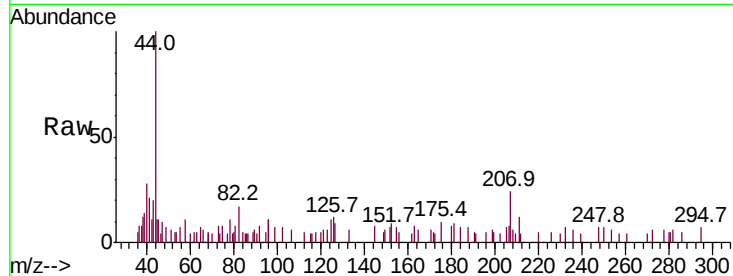


#27

cis-1,2-Dichloroethene
Concen: 304.715 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

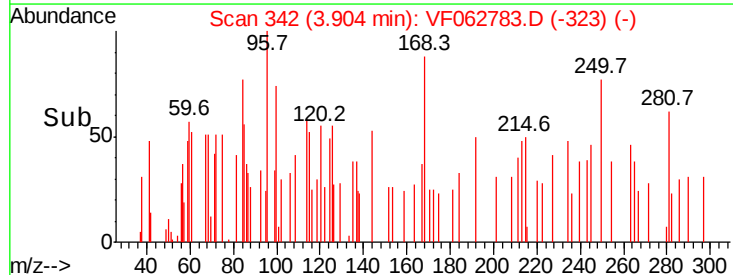
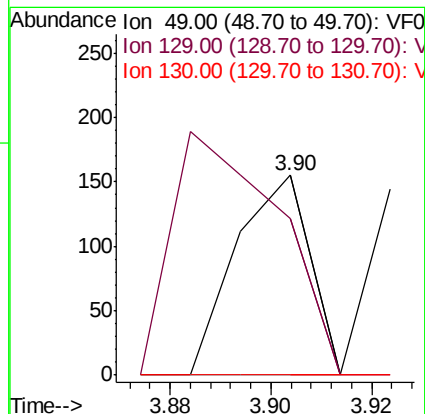
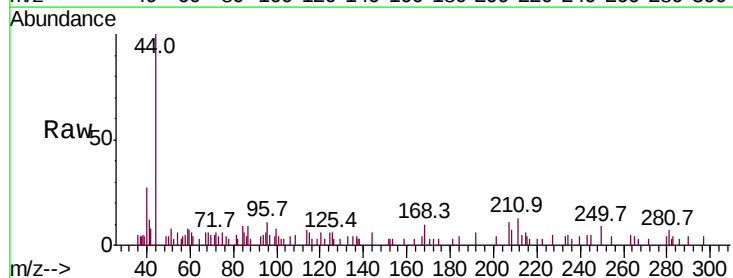
Tot Ion	Ratio	Lower	Upper
96	100		
61	22.7	0.0	237.4
98	0.0	0.0	129.0

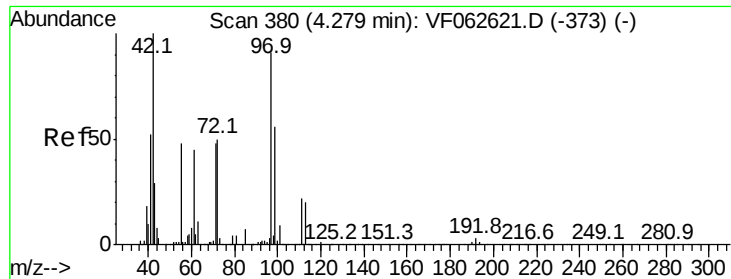


#28

Bromochloromethane
Concen: 94.805 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	78.7	0.0	4.0#
130	0.0	77.8	116.8#





#29

Tetrahydrofuran

Concen: 1318.061 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

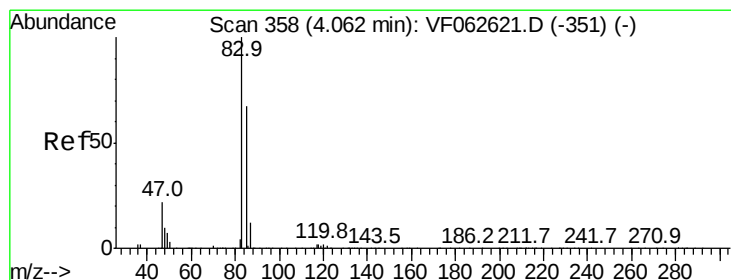
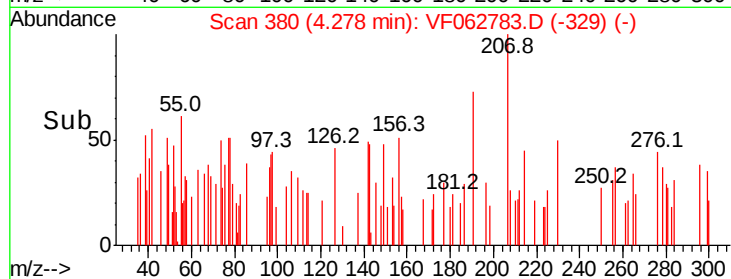
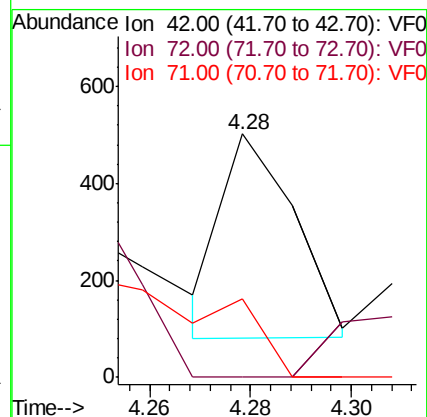
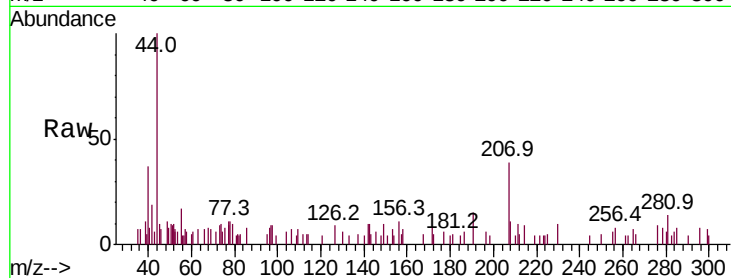
Tot Ion: 42 Resp: 422

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 0.0 35.8 53.6#



#30

Chloroform

Concen: 46.053 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.01 min

Lab File: VF062783.D

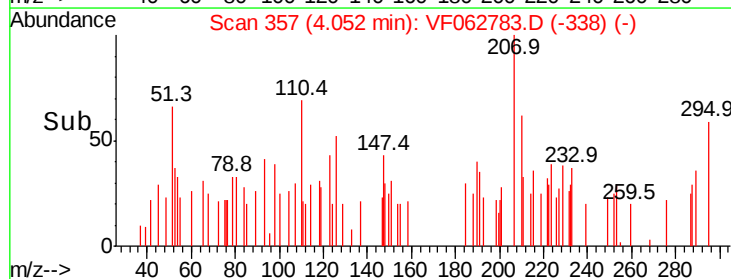
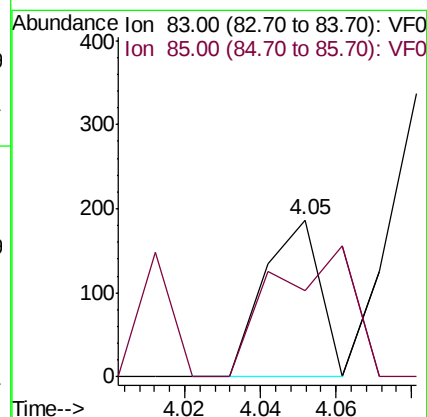
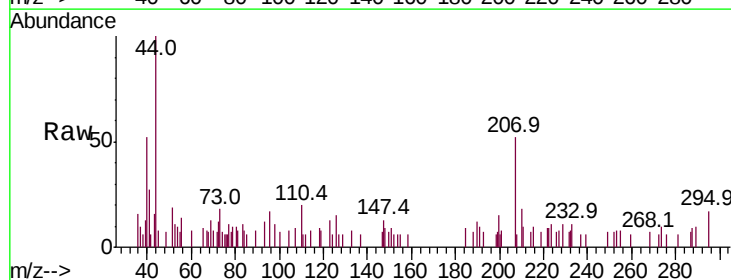
Acq: 29 May 2019 15:49

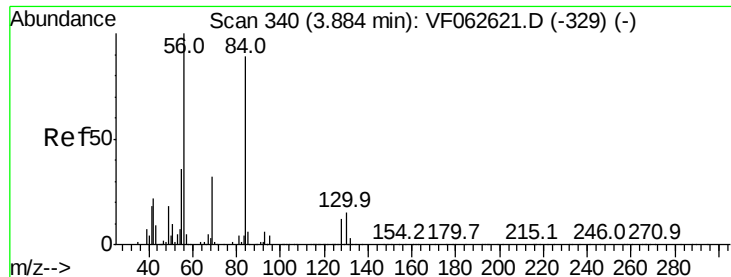
Tgt Ion: 83 Resp: 190

Ion Ratio Lower Upper

83 100

85 31.3 53.6 80.4#





#31

Cvclohexane

Concen: 48.623 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

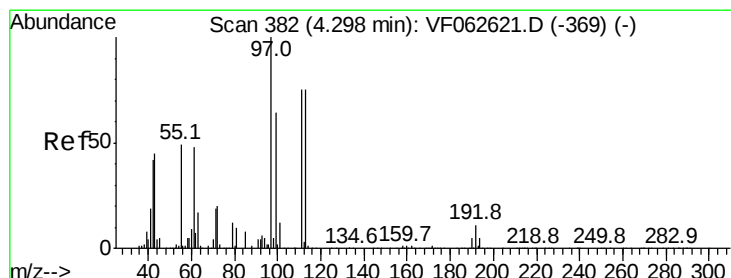
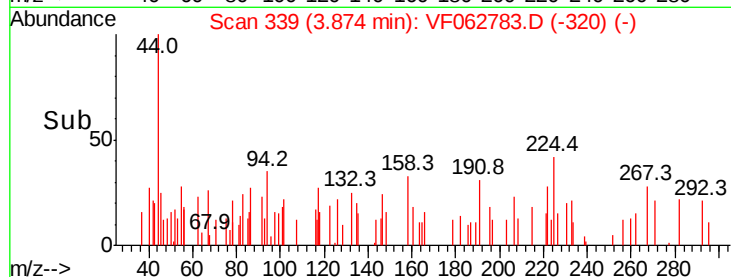
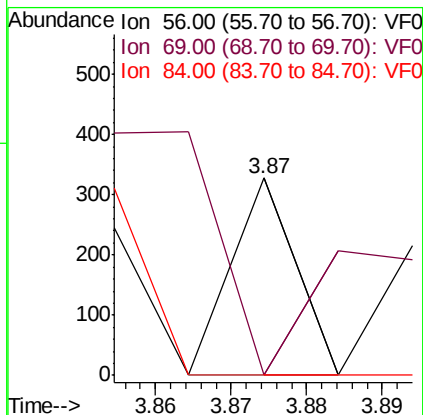
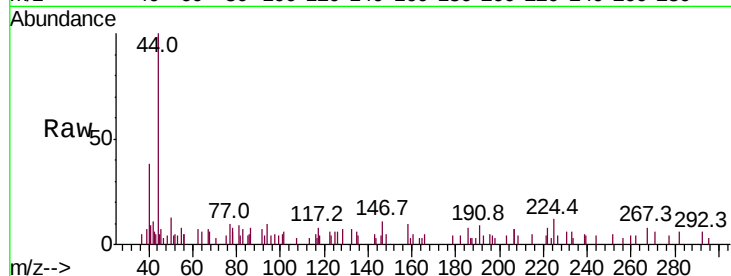
Tot Ion: 56 Resp: 194

Ion Ratio Lower Upper

56 100

69 0.0 25.3 37.9#

84 0.0 71.0 106.4#



#32

1,1,1-Trichloroethane

Concen: 174.820 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

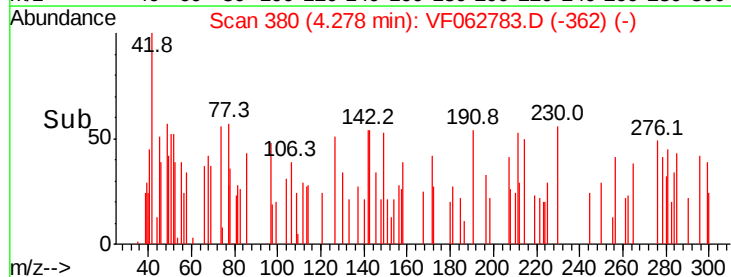
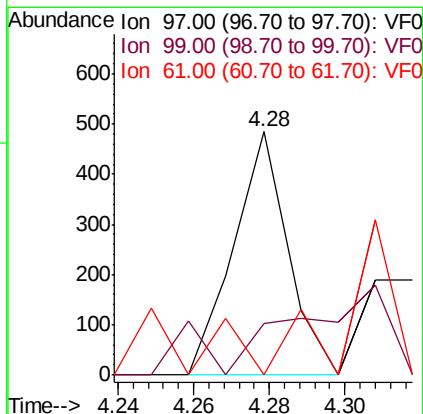
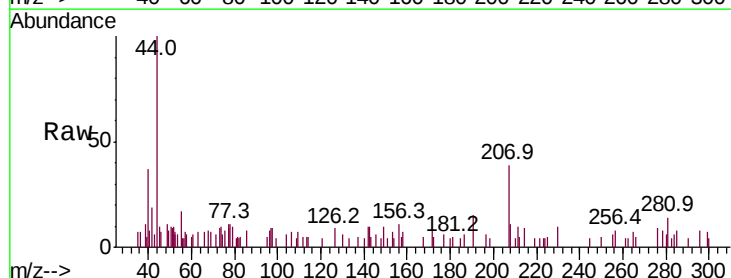
Tgt Ion: 97 Resp: 479

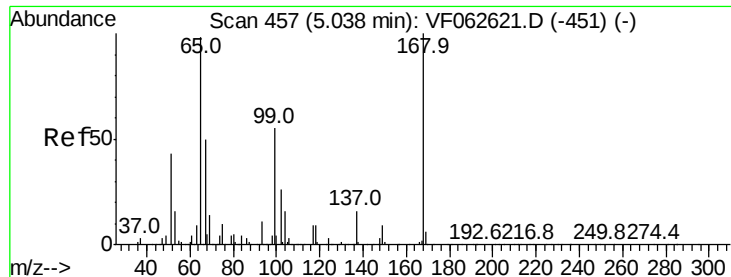
Ion Ratio Lower Upper

97 100

99 21.0 51.3 76.9#

61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 221.377 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.04 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

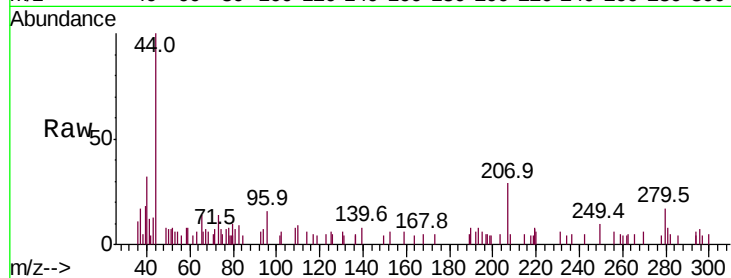
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

Tot Ion: 65 Resp: 316

Ion Ratio Lower Upper

65 100

67 47.2 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

400

300

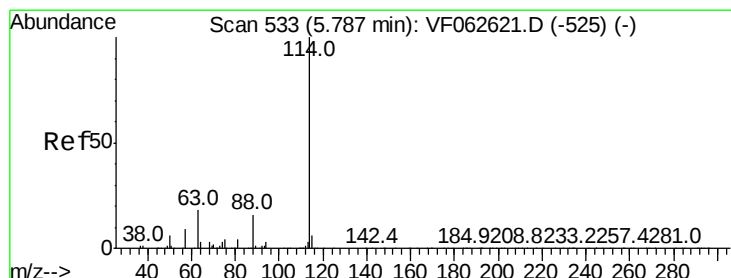
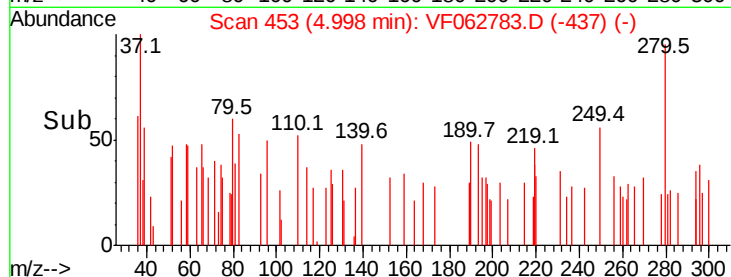
200

100

0

4.98 5.00 5.02

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.12 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

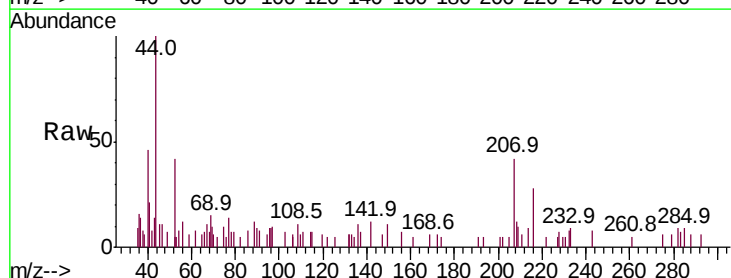
Tgt Ion: 114 Resp: 96

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

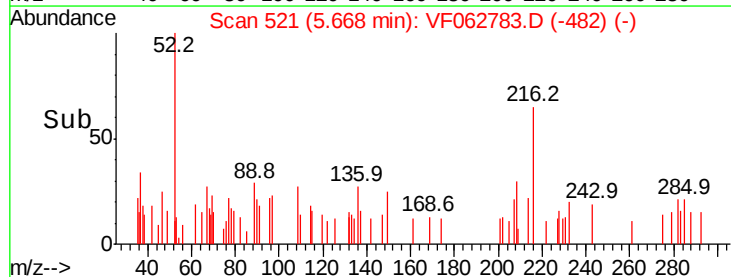
200

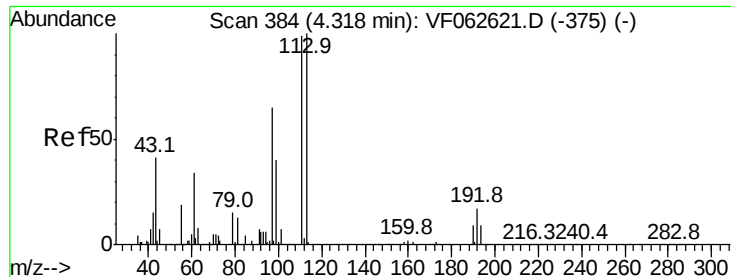
100

0

5.64 5.66 5.68 5.70

Time-->

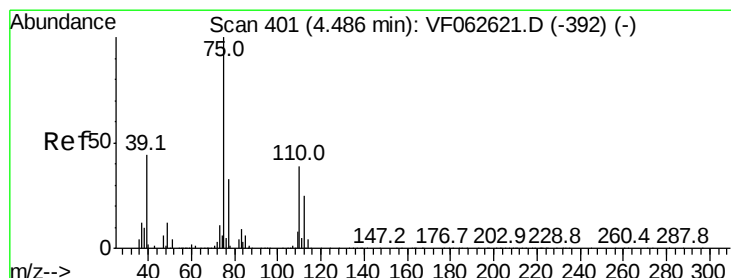
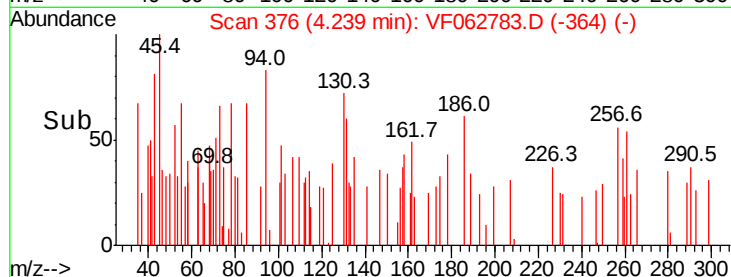
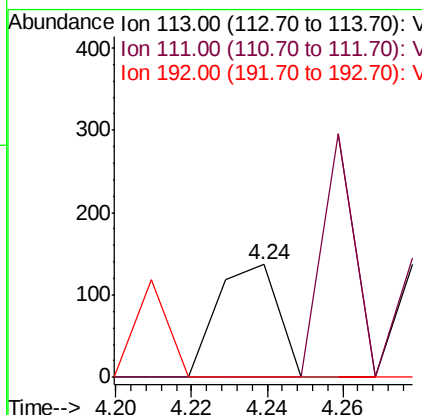
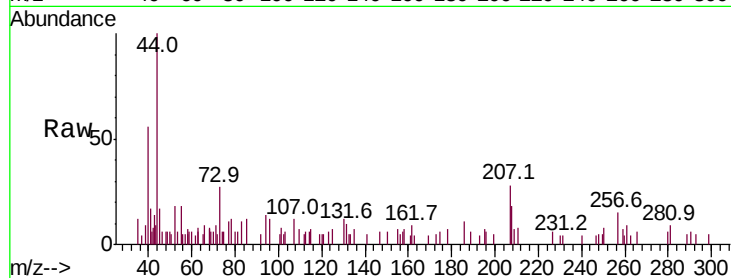




#35
 Dibromofluoromethane
 Concen: 205.555 ug/l
 RT: 4.24 min Scan# 376
 Delta R.T. -0.08 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

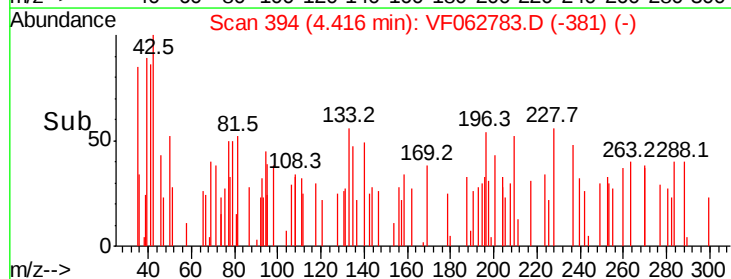
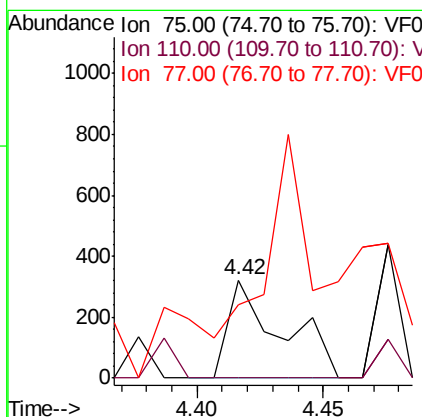
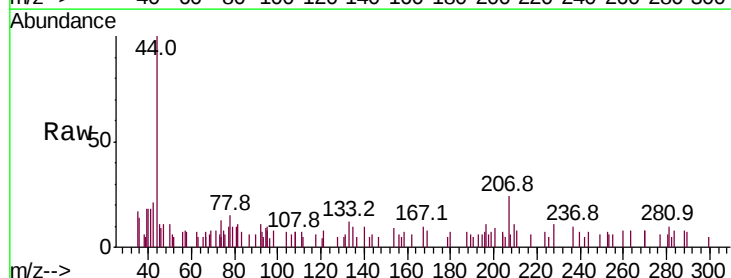
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

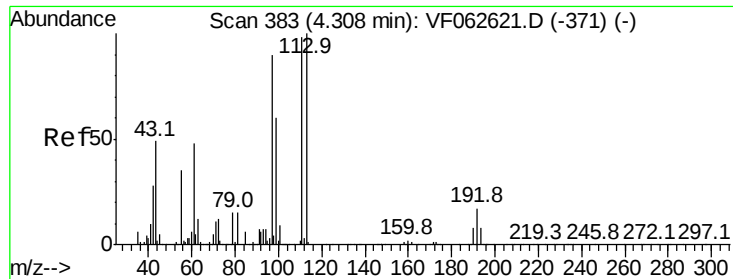
Tot Ion	Ratio	Lower	Upper
113	100		
111	93.4	79.4	119.2
192	0.0	13.4	20.2#



#36
 1,1-Dichloropropene
 Concen: 477.786 ug/l
 RT: 4.42 min Scan# 394
 Delta R.T. -0.07 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.1#
77	75.2	26.3	39.5#

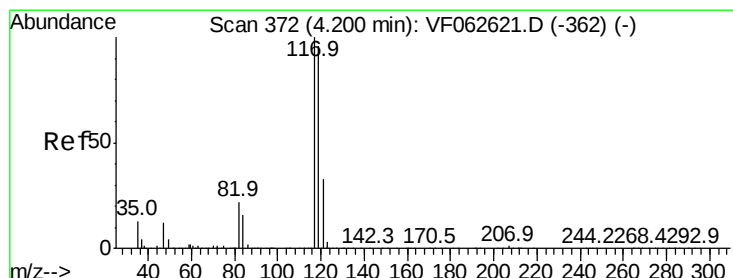
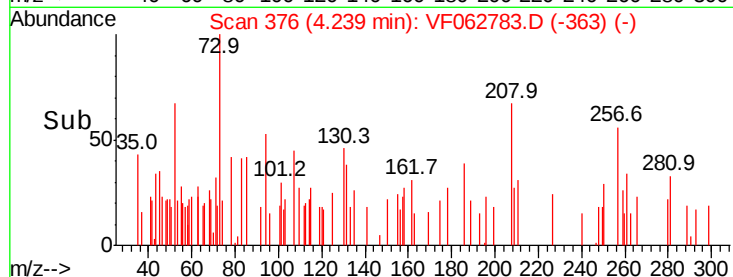
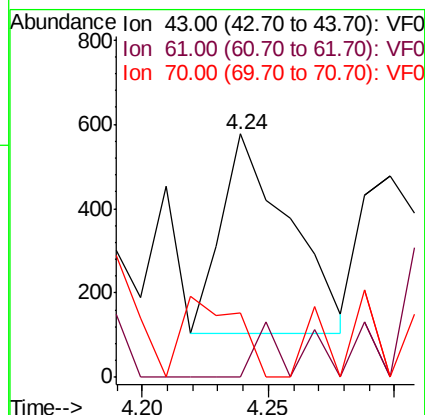
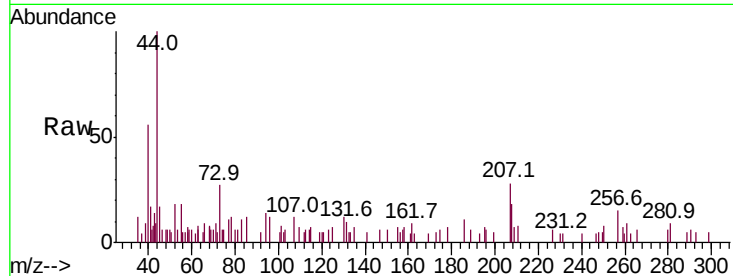




#37
Ethyl Acetate
Concen: 2213.382 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.07 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

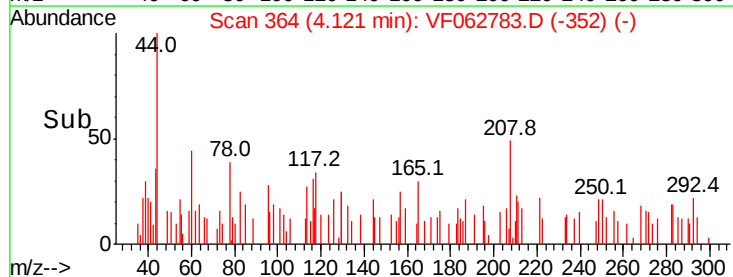
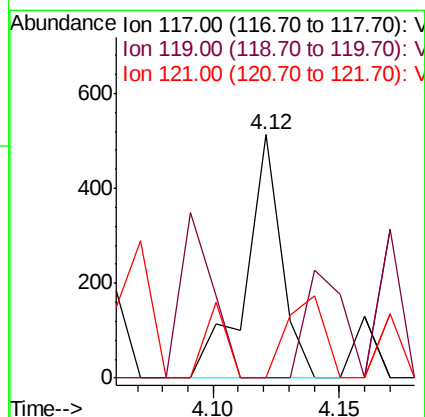
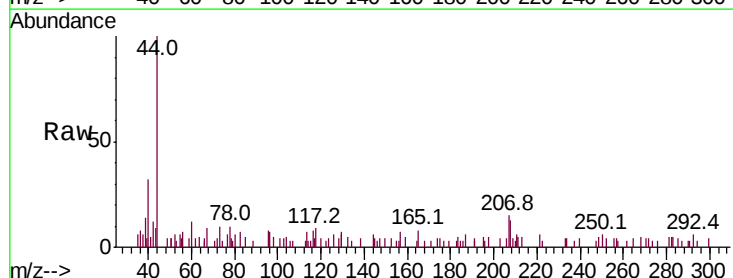
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

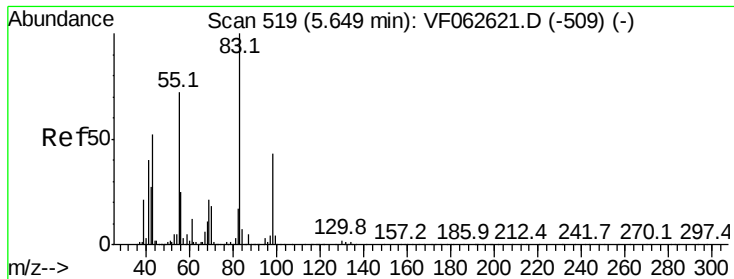
Tot Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
61 0.0 76.9 115.3#
70 26.3 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 679.895 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.08 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion: 117 Resp: 503
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 26.6 40.0#





#39

Methvlcvclohexane

Concen: 292.318 ug/l

RT: 5.59 min Scan# 513

Delta R.T. -0.06 min

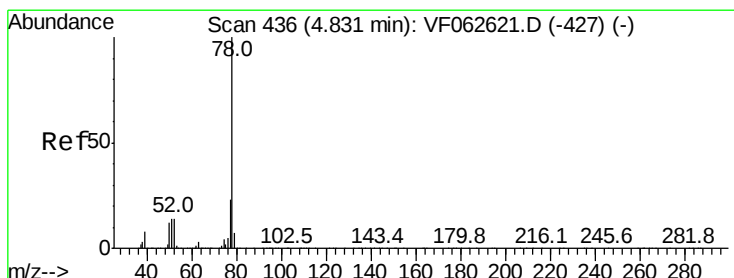
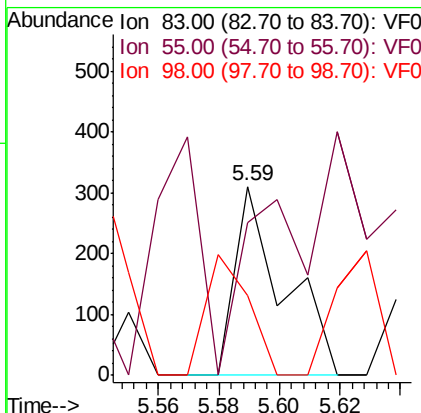
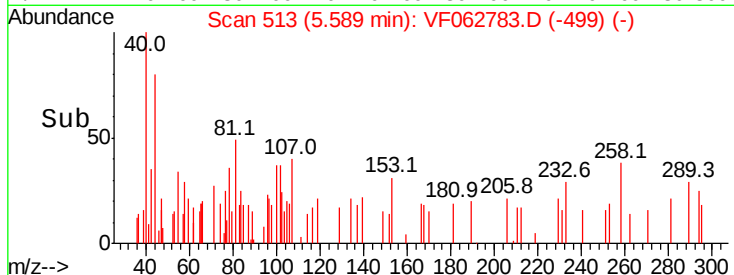
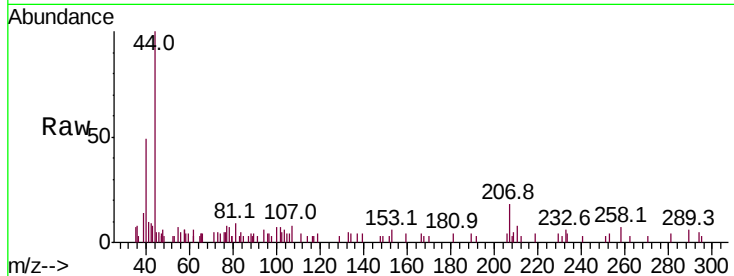
Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

Tot Ion: 83 Resp: 346

Ion	Ratio	Lower	Upper
83	100		
55	80.6	57.9	86.9
98	42.3	34.6	52.0



#40

Benzene

Concen: 363.823 ug/l

RT: 4.71 min Scan# 424

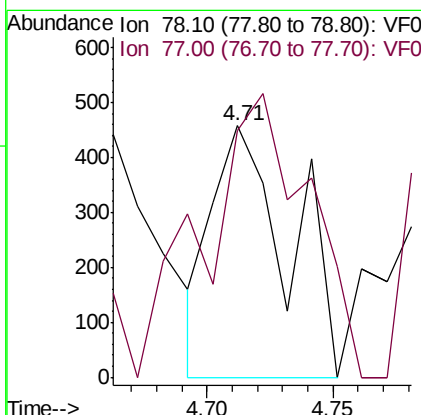
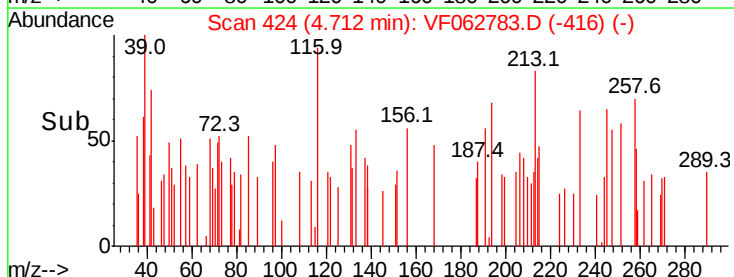
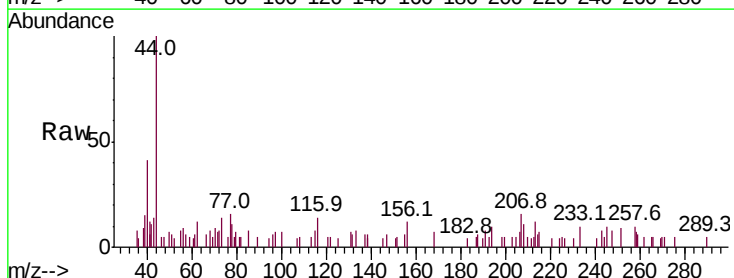
Delta R.T. -0.12 min

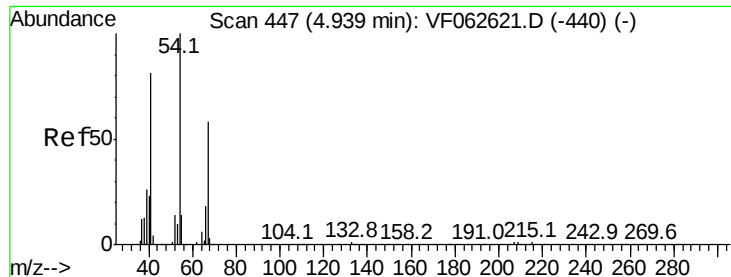
Lab File: VF062783.D

Acq: 29 May 2019 15:49

Tgt Ion: 78 Resp: 975

Ion	Ratio	Lower	Upper
78	100		
77	98.3	18.2	27.2#





#41

Methacrylonitrile

Concen: 4824.936 ug/l

RT: 4.83 min Scan# 436

Delta R.T. -0.11 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

Tot Ion: 41 Resp: 1016

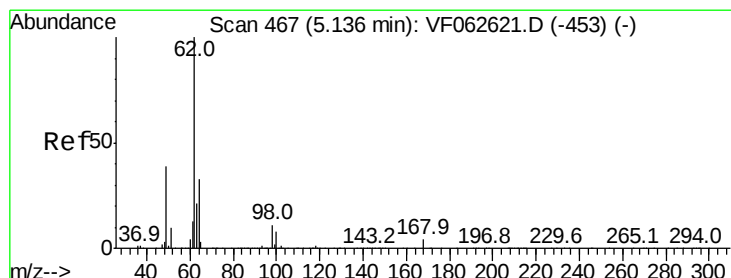
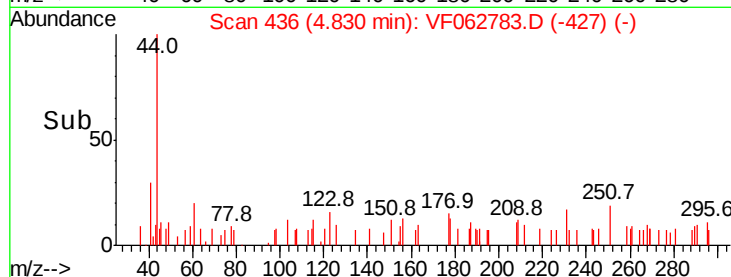
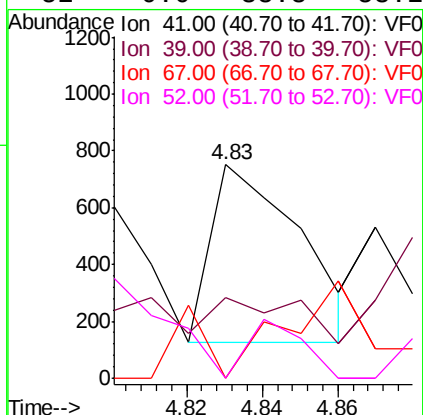
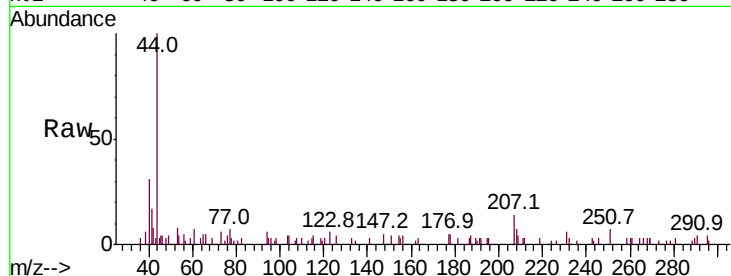
Ion Ratio Lower Upper

41 100

39 37.9 42.2 63.2#

67 0.0 56.4 84.6#

52 0.0 38.8 58.2#



#42

1,2-Dichloroethane

Concen: 361.146 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.13 min

Lab File: VF062783.D

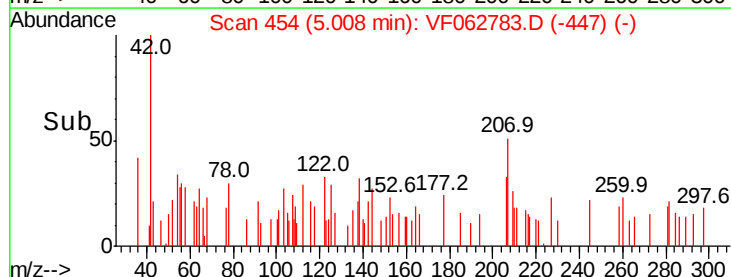
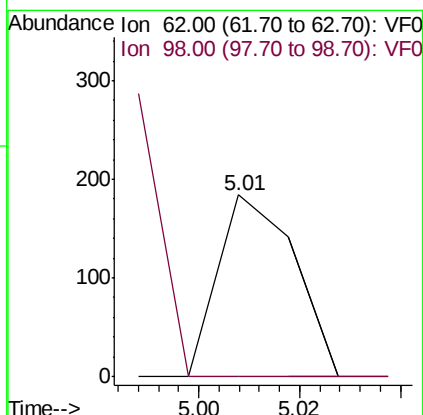
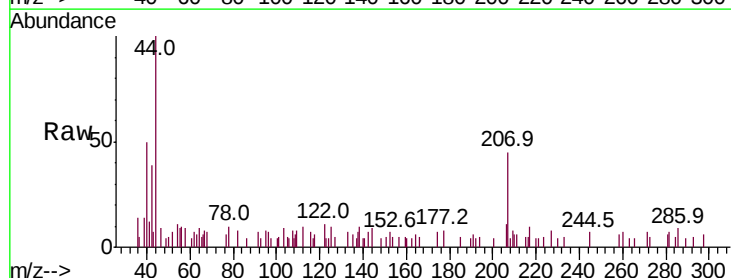
Acq: 29 May 2019 15:49

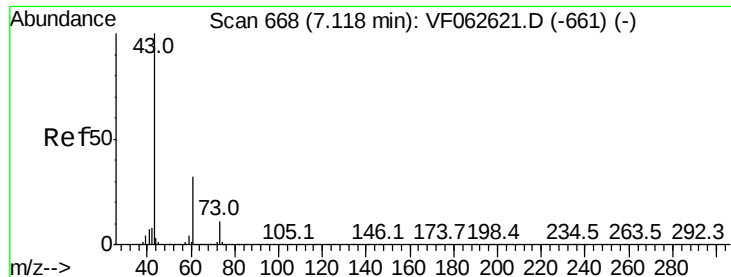
Tgt Ion: 62 Resp: 193

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6





#43

Isopropyl Acetate

Concen: 1097.339 ug/l

RT: 6.96 min Scan# 652

Delta R.T. -0.16 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

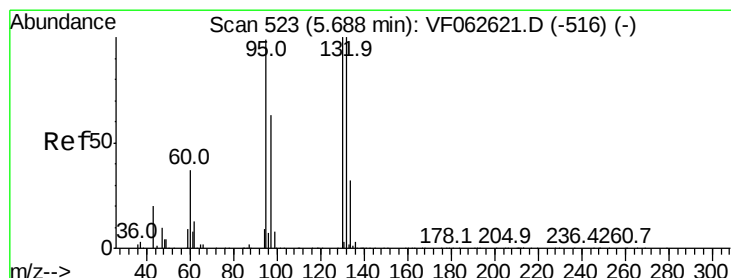
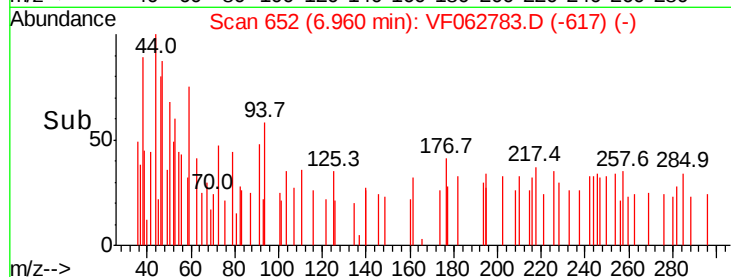
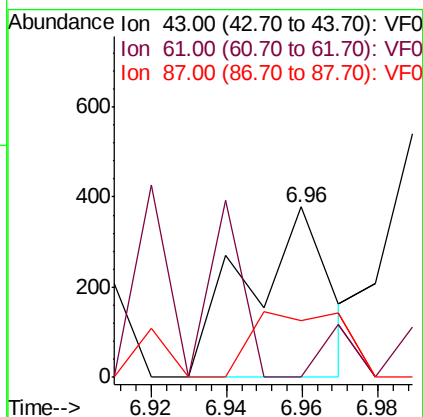
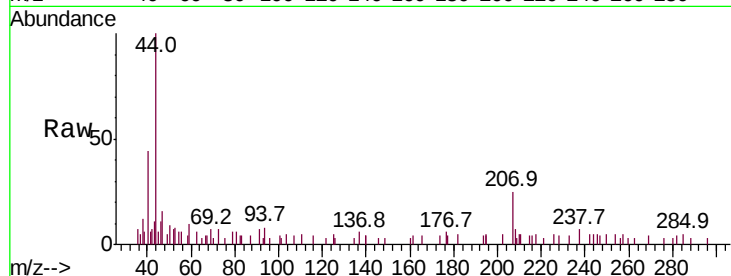
Tot Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

87 33.1 0.4 0.6#



#44

Trichloroethene

Concen: 261.554 ug/l

RT: 5.56 min Scan# 510

Delta R.T. -0.13 min

Lab File: VF062783.D

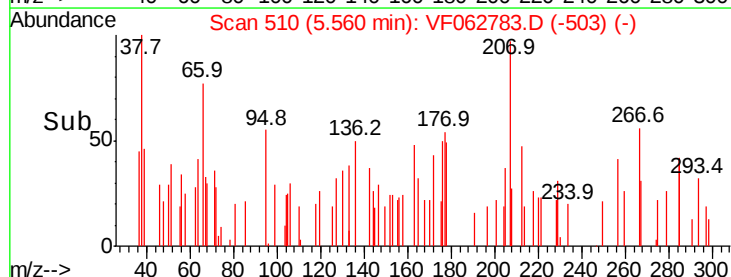
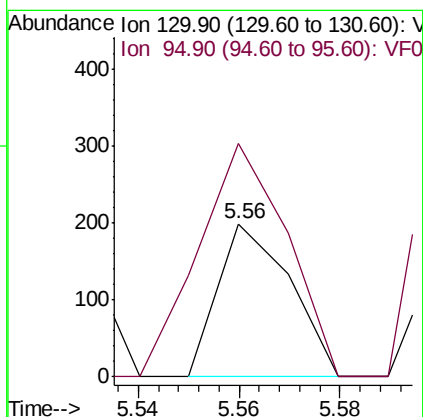
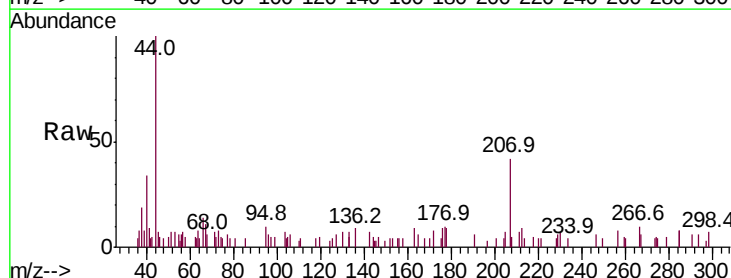
Acq: 29 May 2019 15:49

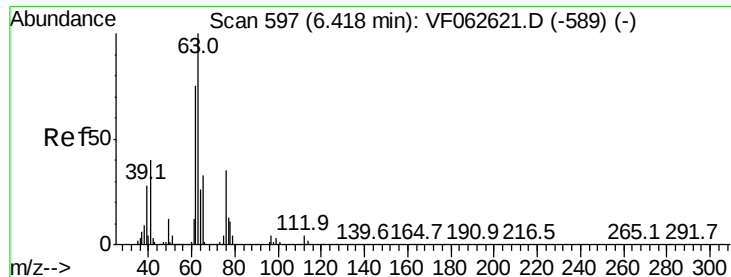
Tgt Ion:130 Resp: 197

Ion Ratio Lower Upper

130 100

95 152.8 0.0 199.4





#45

1,2-Dichloropropane

Concen: 153.733 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.12 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

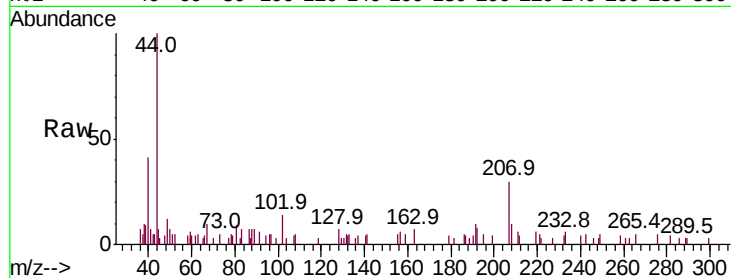
TEST-PIT-1RE

Tot Ion: 63 Resp: 104

Ion Ratio Lower Upper

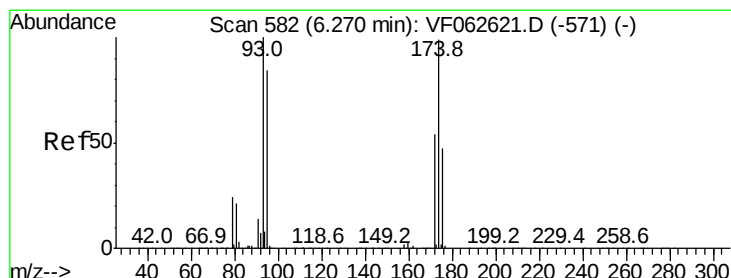
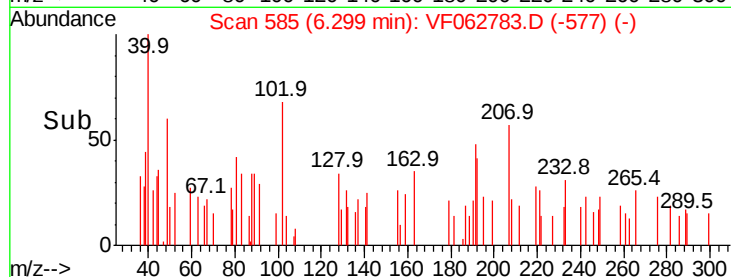
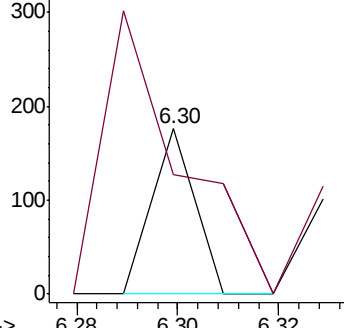
63 100

65 155.1 26.3 39.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 642.001 ug/l

RT: 6.17 min Scan# 572

Delta R.T. -0.10 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

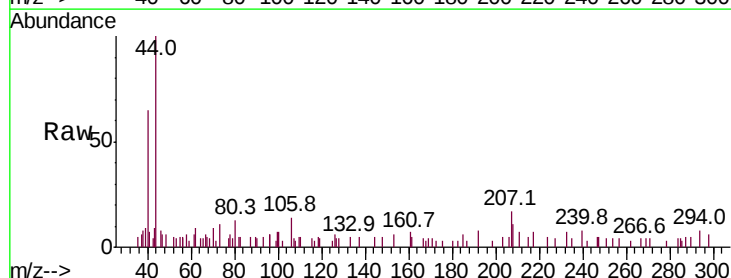
Tgt Ion: 93 Resp: 251

Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

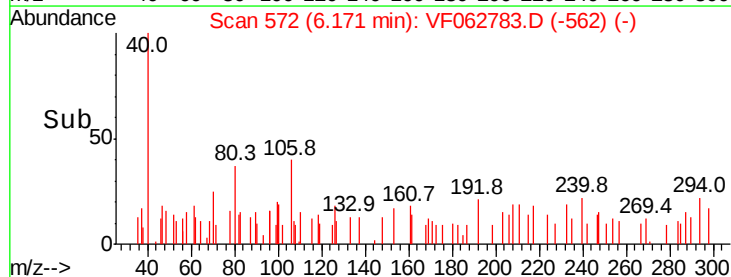
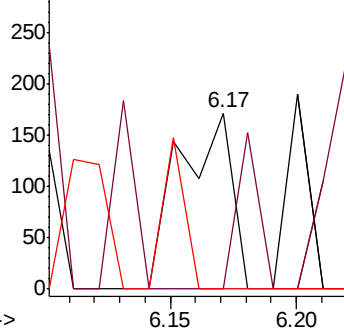
174 0.0 79.4 119.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 81.316 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.15 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

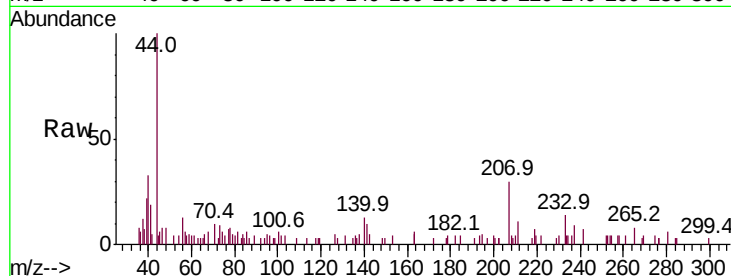
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

85 173.0 52.0 78.0#

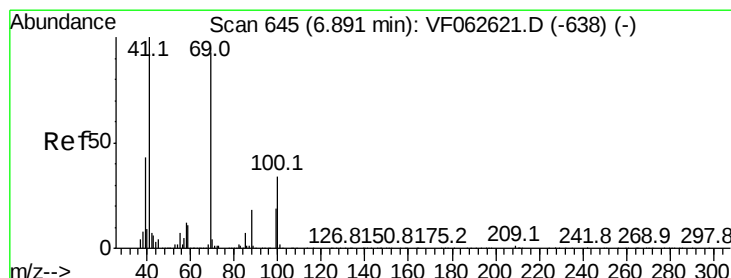
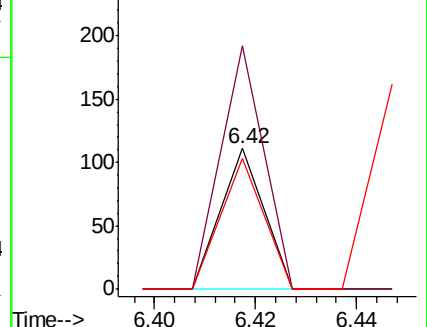
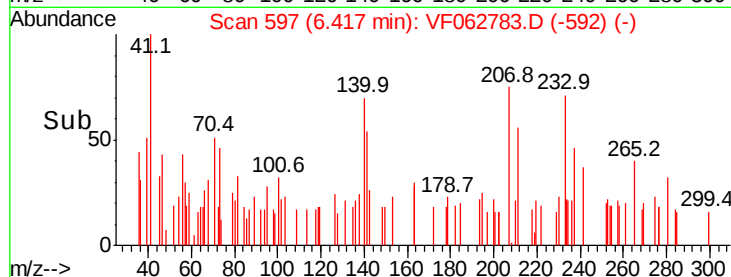
127 92.8 7.7 11.5#



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



#48

Methyl methacrylate

Concen: 5474.711 ug/l

RT: 6.76 min Scan# 632

Delta R.T. -0.13 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

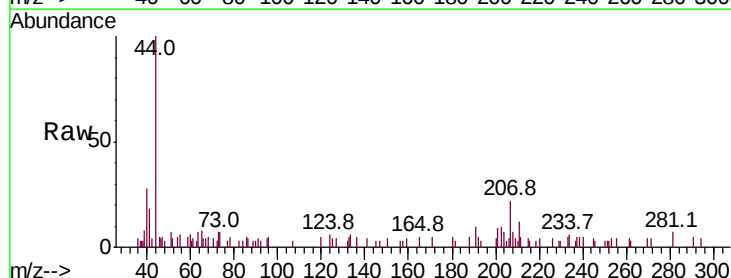
Tgt Ion: 41 Resp: 1489

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

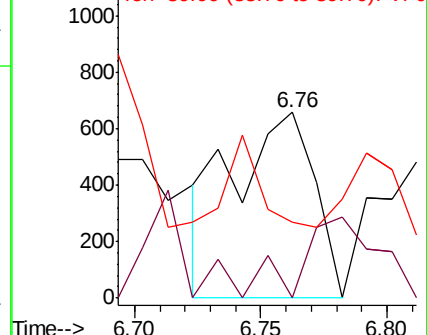
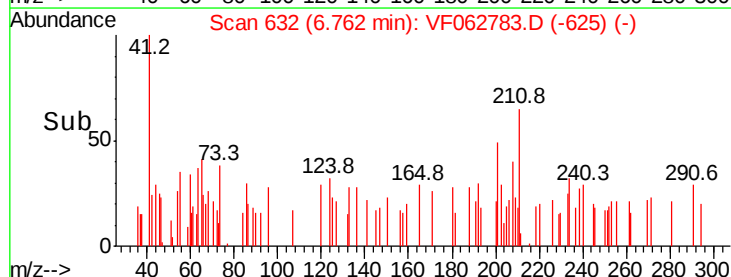
39 41.2 34.2 51.4

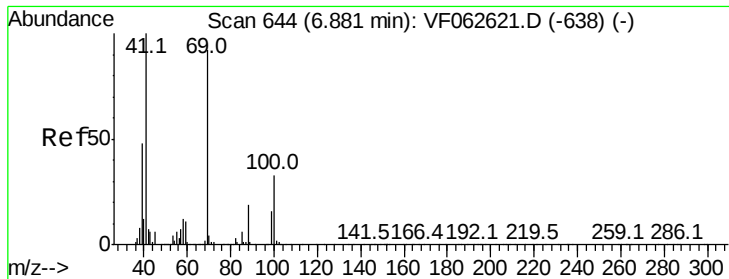


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

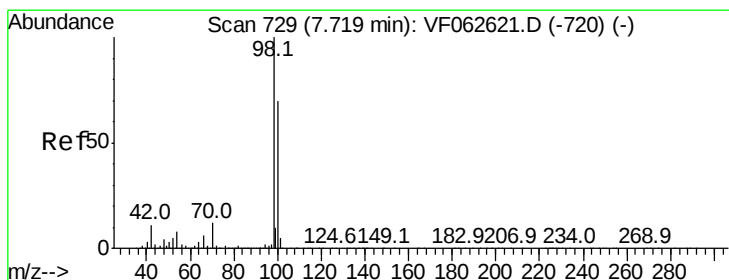
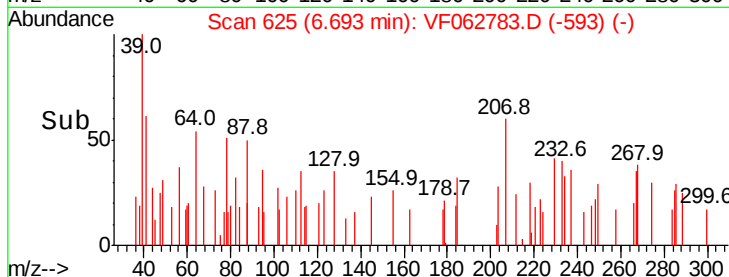
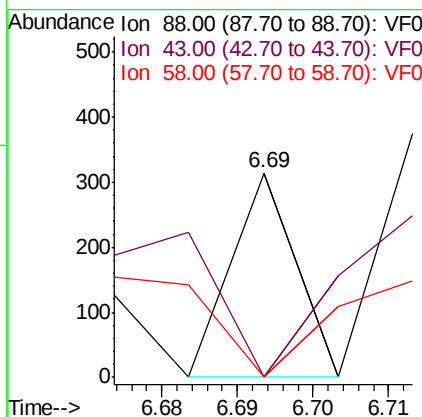
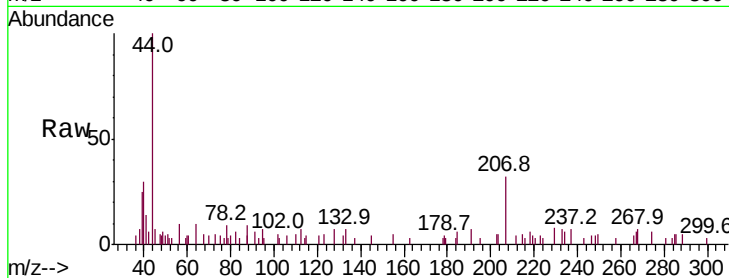




#49
1,4-Dioxane
Concen: 53394.981 ug/l
RT: 6.69 min Scan# 625
Delta R.T. -0.19 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

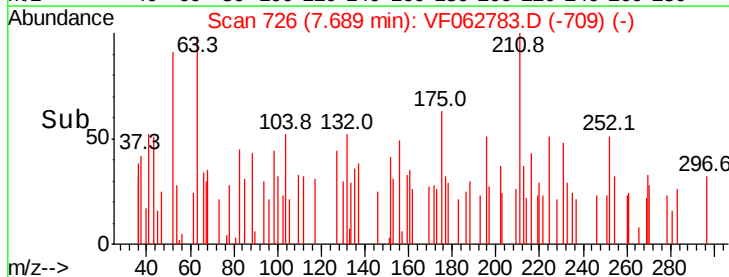
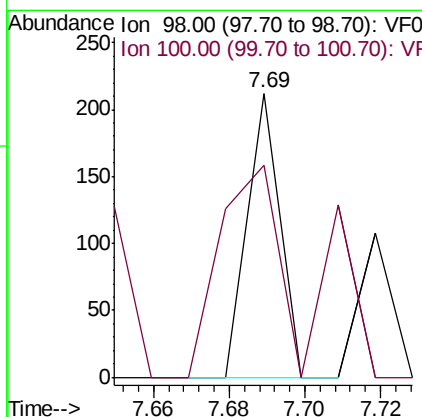
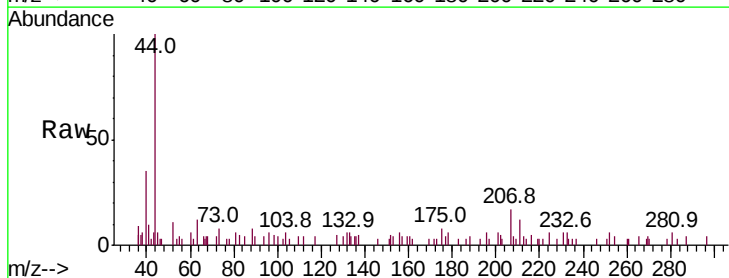
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

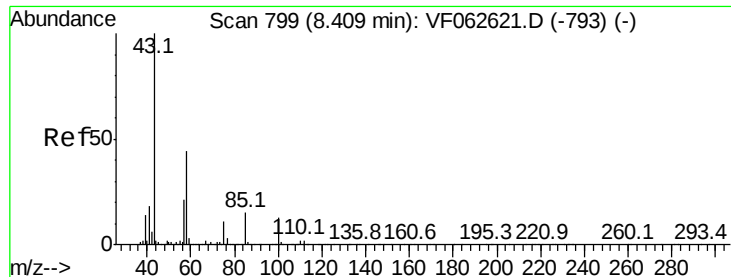
Tot Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 0.0 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 71.269 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.03 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion: 98 Resp: 125
Ion Ratio Lower Upper
98 100
100 74.5 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 528.566 ug/l

RT: 8.26 min Scan# 784

Delta R.T. -0.15 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

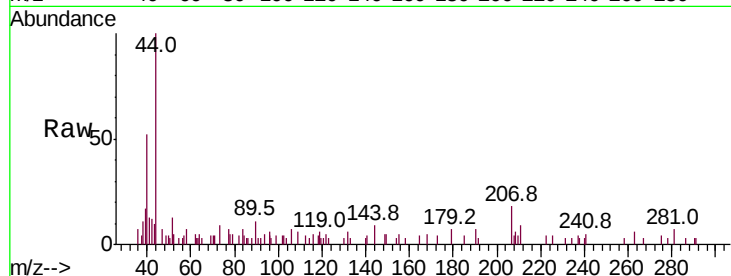
TEST-PIT-1RE

Tot Ion: 43 Resp: 188

Ion Ratio Lower Upper

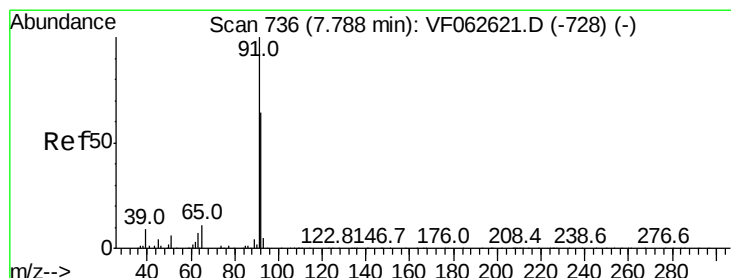
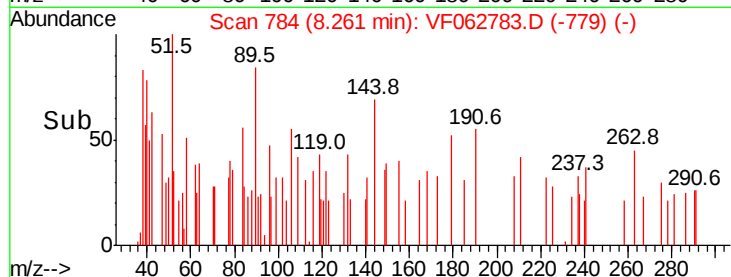
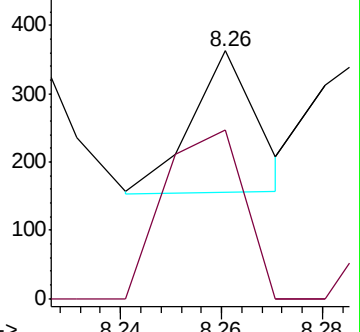
43 100

58 67.8 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 86.805 ug/l

RT: 7.66 min Scan# 723

Delta R.T. -0.13 min

Lab File: VF062783.D

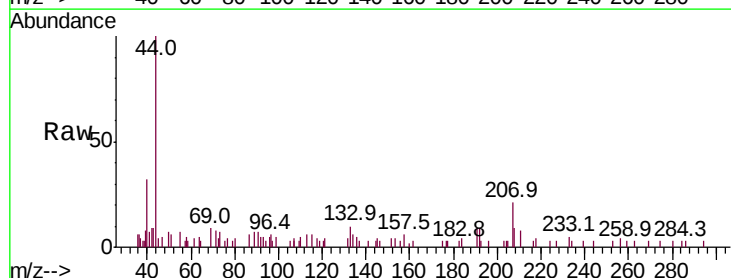
Acq: 29 May 2019 15:49

Tgt Ion: 92 Resp: 122

Ion Ratio Lower Upper

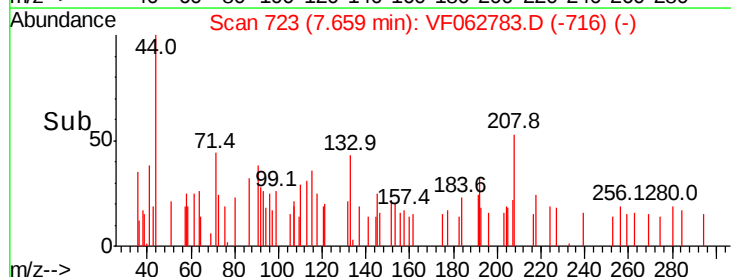
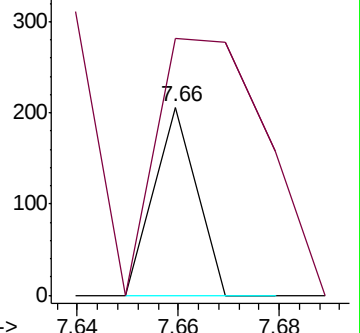
92 100

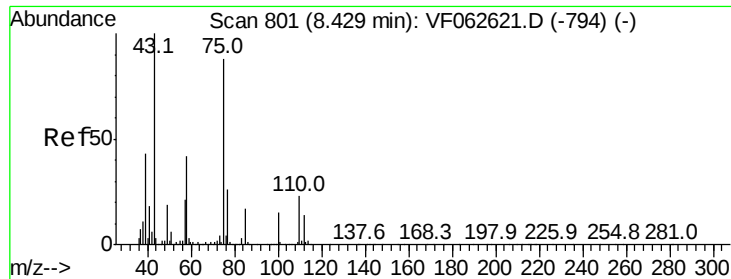
91 136.9 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

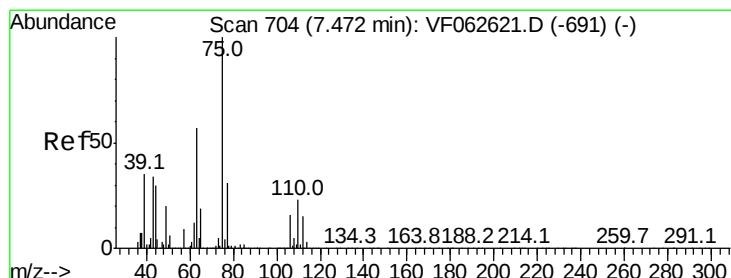
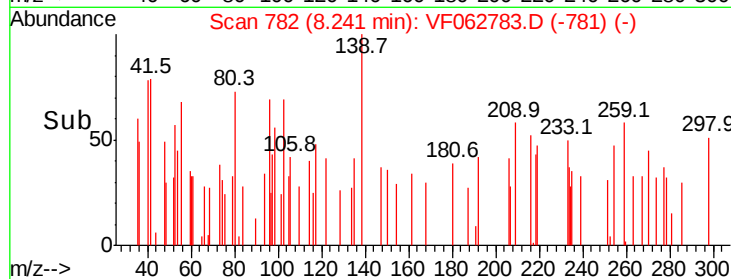
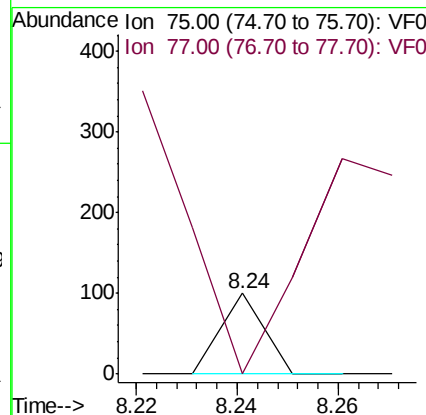
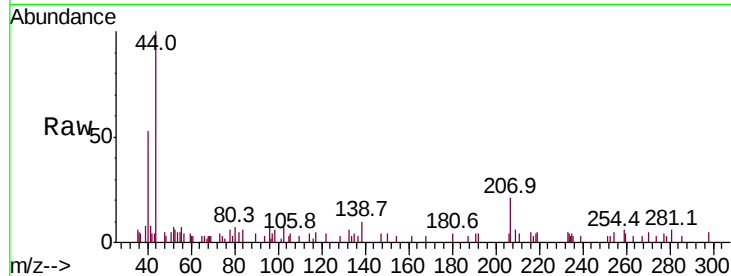




#53
 t-1,3-Dichloropropene
 Concen: 88.852 ug/l
 RT: 8.24 min Scan# 782
 Delta R.T. -0.19 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

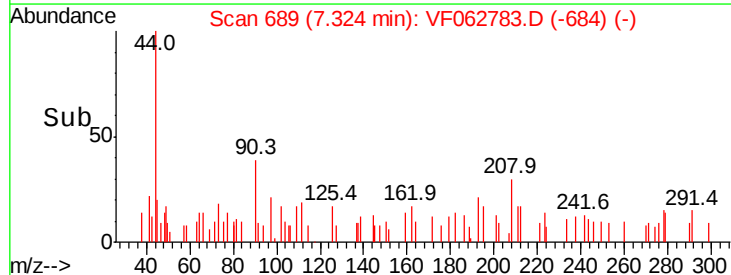
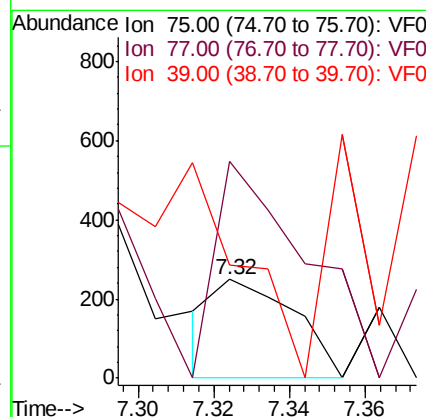
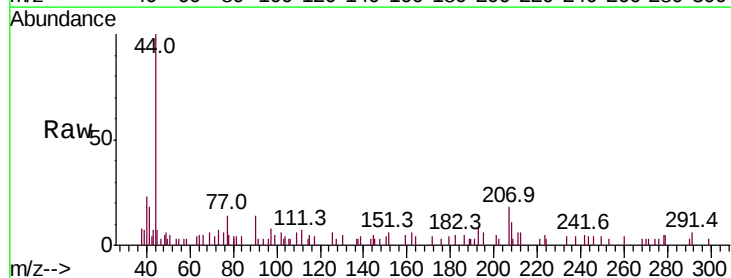
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

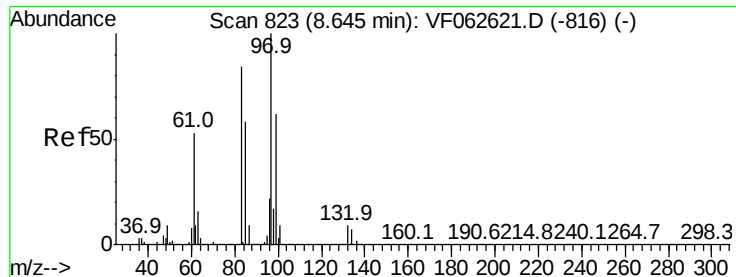
Tot Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.4#



#54
 cis-1,3-Dichloropropene
 Concen: 388.372 ug/l
 RT: 7.32 min Scan# 689
 Delta R.T. -0.15 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

Tgt Ion: 75 Resp: 361
 Ion Ratio Lower Upper
 75 100
 77 219.7 25.3 37.9#
 39 114.5 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 199.455 ug/l

RT: 8.46 min Scan# 804

Delta R.T. -0.19 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

Tot Ion: 97 Resp: 83

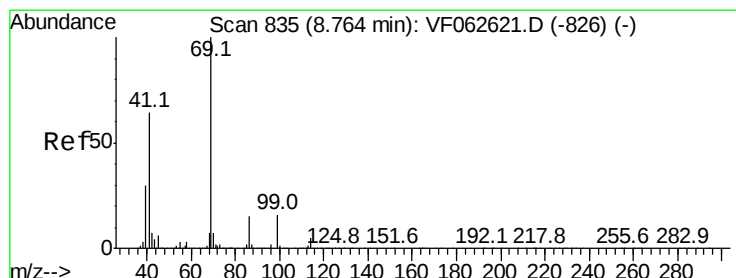
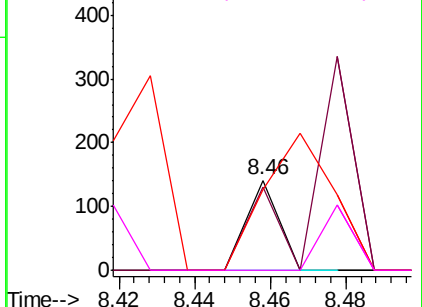
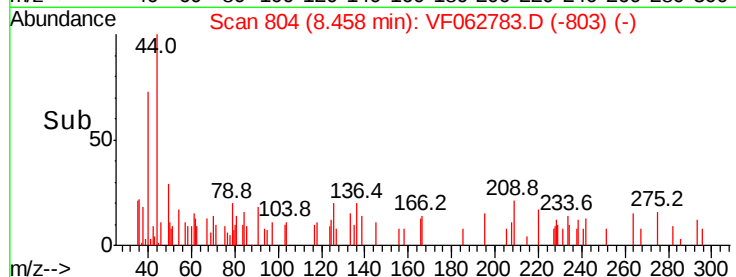
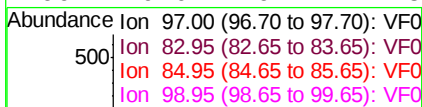
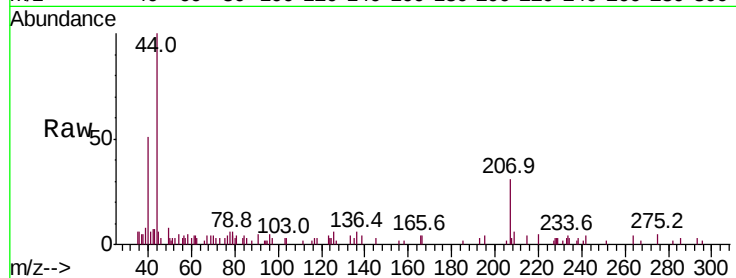
Ion Ratio Lower Upper

97 100

83 92.9 67.3 100.9

85 90.1 46.6 69.8#

99 0.0 49.7 74.5#



#56

Ethyl methacrylate

Concen: 530.486 ug/l

RT: 8.58 min Scan# 816

Delta R.T. -0.19 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

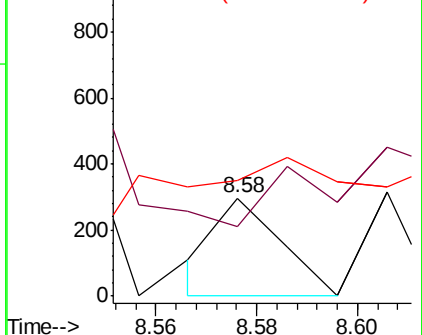
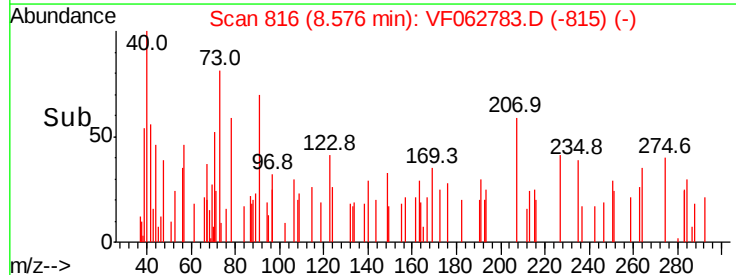
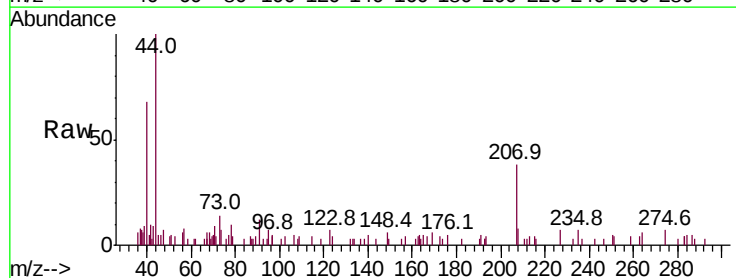
Tgt Ion: 69 Resp: 263

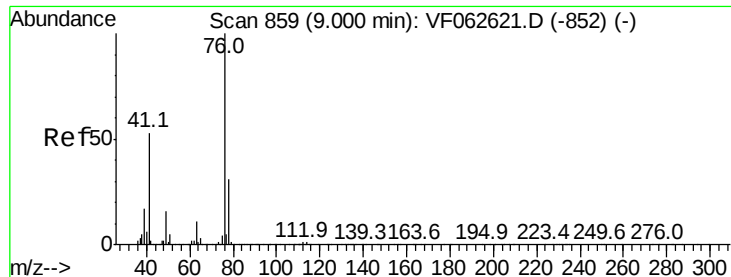
Ion Ratio Lower Upper

69 100

41 70.9 51.4 77.2

39 117.9 23.6 35.4#





#57

1,3-Dichloropropane

Concen: 406.320 ug/l

RT: 8.82 min Scan# 841

Delta R.T. -0.18 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

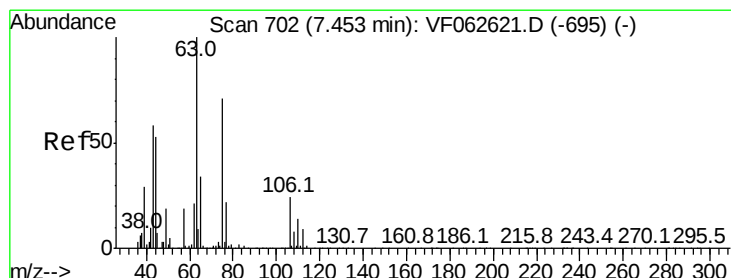
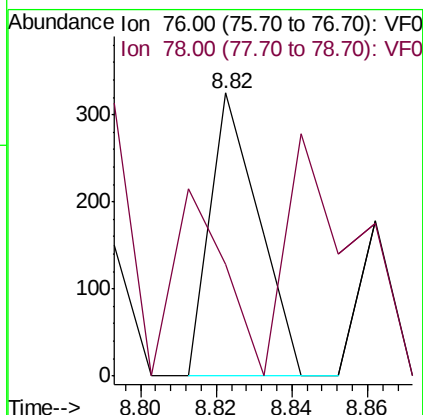
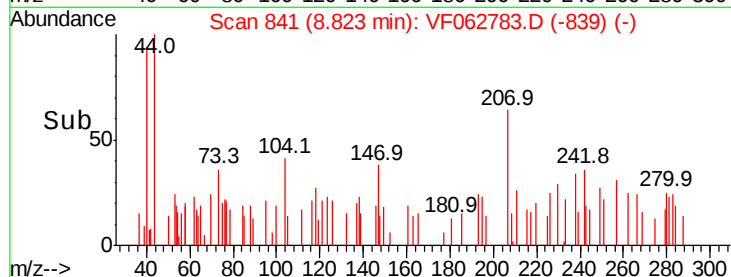
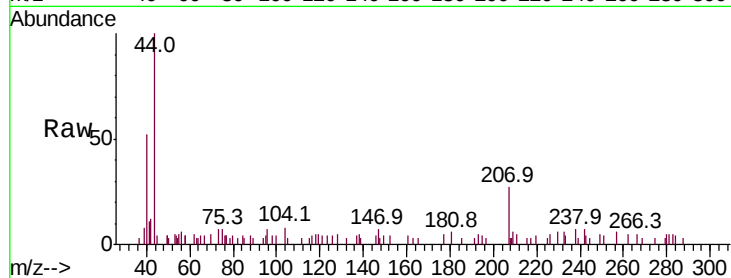
TEST-PIT-1RE

Tot Ion: 76 Resp: 288

Ion Ratio Lower Upper

76 100

78 39.7 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1921.002 ug/l

RT: 7.29 min Scan# 686

Delta R.T. -0.16 min

Lab File: VF062783.D

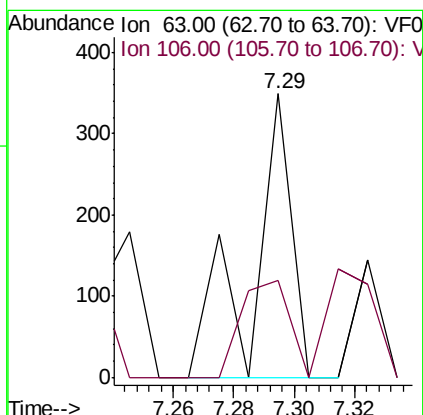
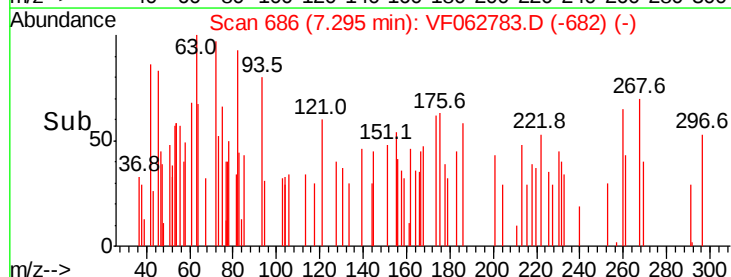
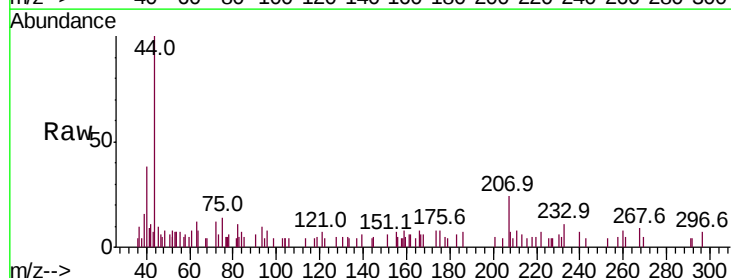
Acq: 29 May 2019 15:49

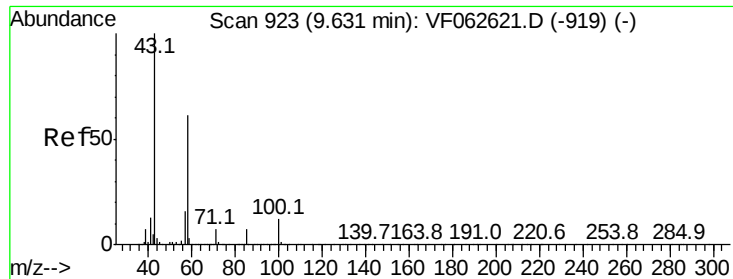
Tgt Ion: 63 Resp: 310

Ion Ratio Lower Upper

63 100

106 34.1 19.1 28.7#

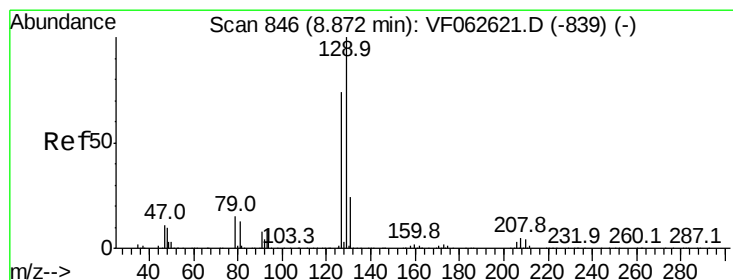
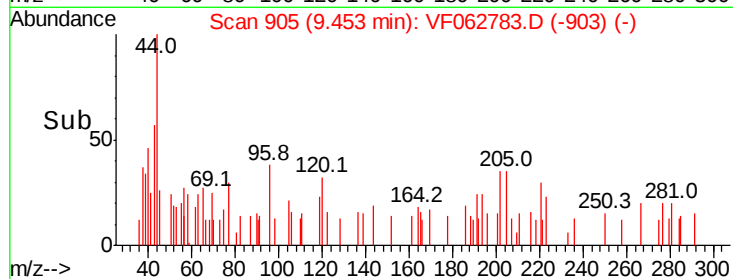
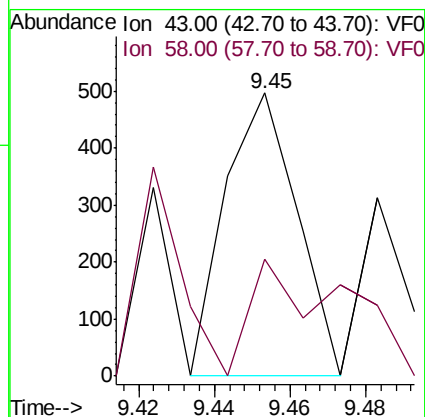
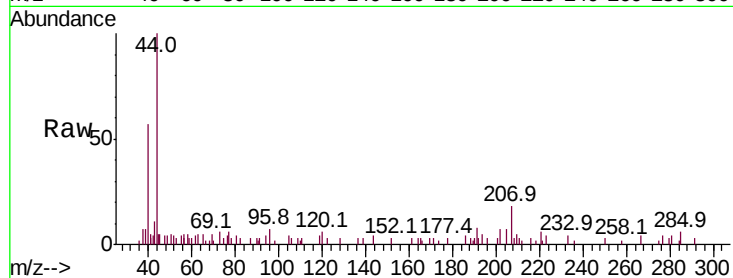




#59
2-Hexanone
Concen: 3014.646 ug/l
RT: 9.45 min Scan# 905
Delta R.T. -0.18 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

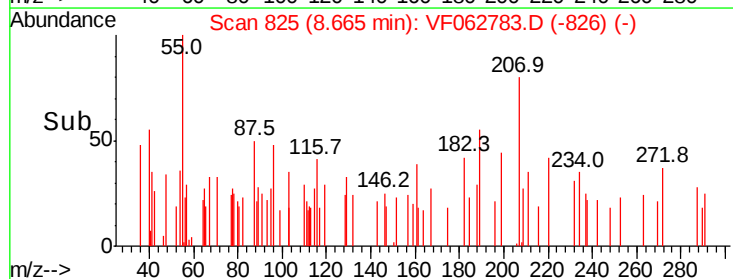
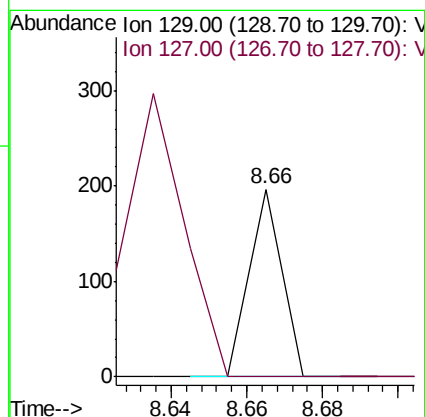
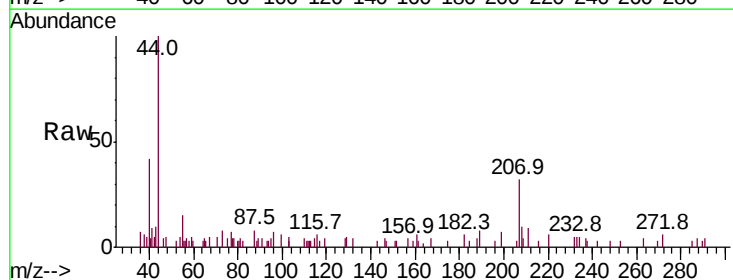
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

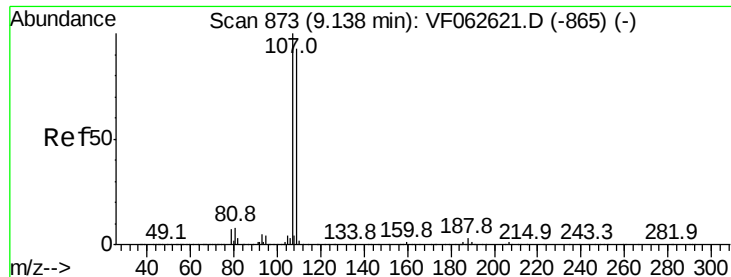
Tot Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
58 41.2 28.1 84.4



#60
Dibromochloromethane
Concen: 215.725 ug/l
RT: 8.66 min Scan# 825
Delta R.T. -0.21 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion:129 Resp: 117
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 199.096 ug/l

RT: 8.95 min Scan# 854

Delta R.T. -0.19 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

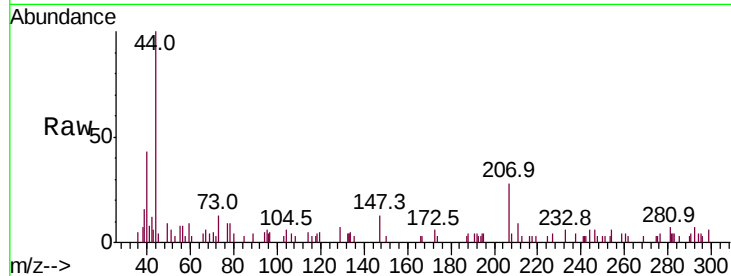
TEST-PIT-1RE

Tot Ion:107 Resp: 88

Ion Ratio Lower Upper

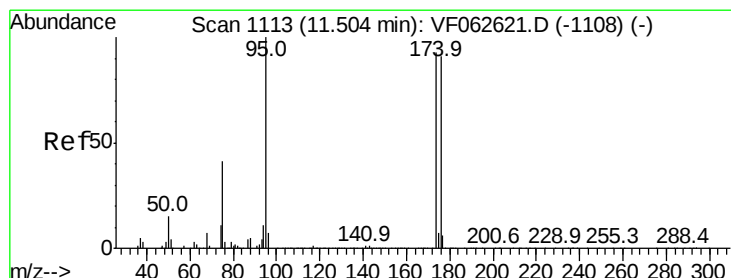
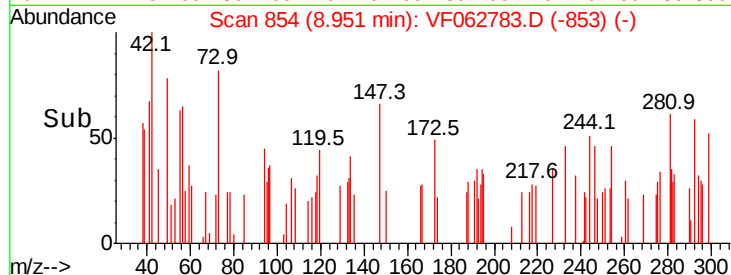
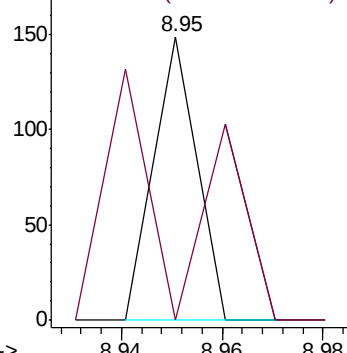
107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 106.733 ug/l

RT: 11.29 min Scan# 1091

Delta R.T. -0.22 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

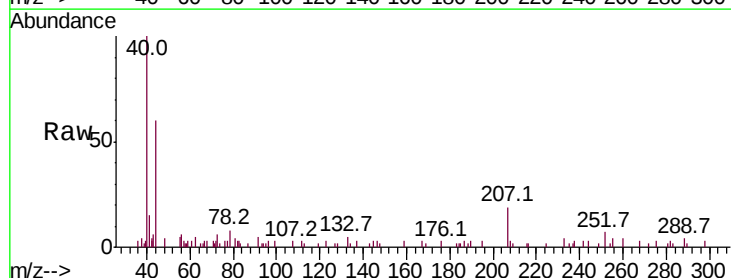
Tgt Ion: 95 Resp: 71

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

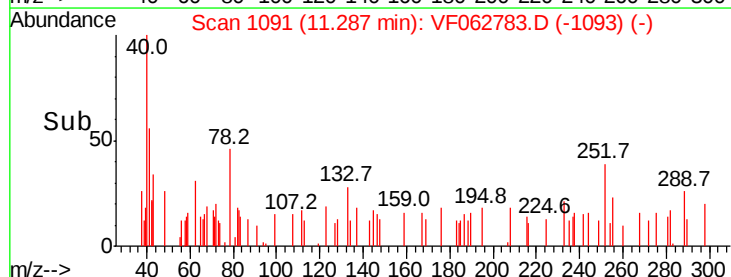
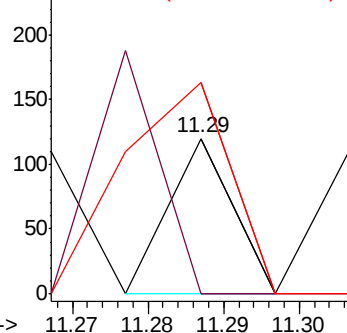
176 135.8 0.0 182.4

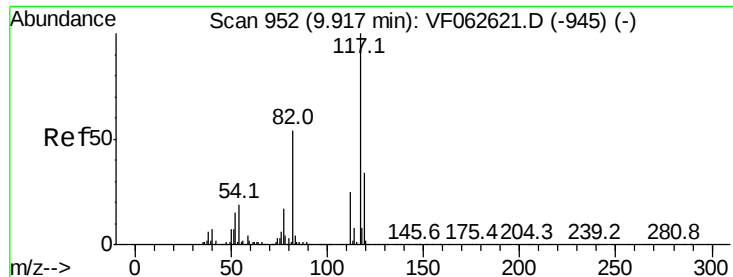


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

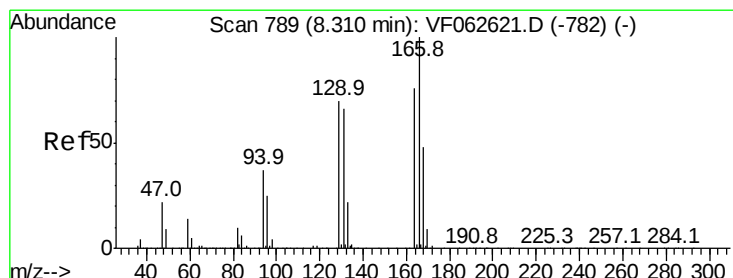
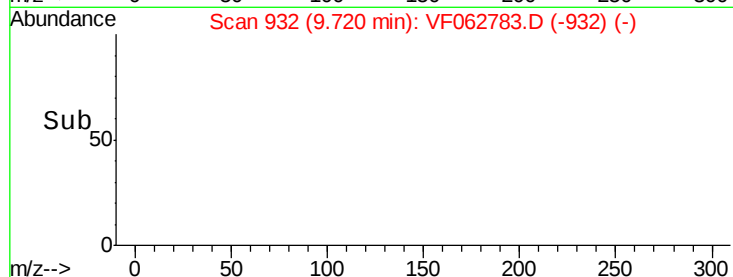
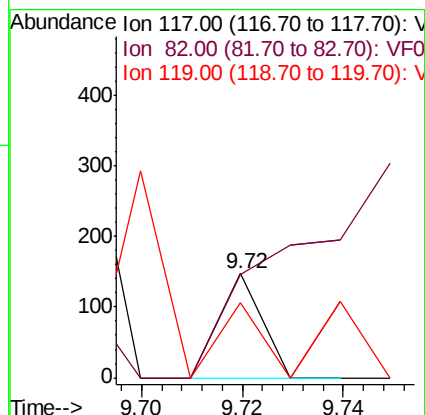
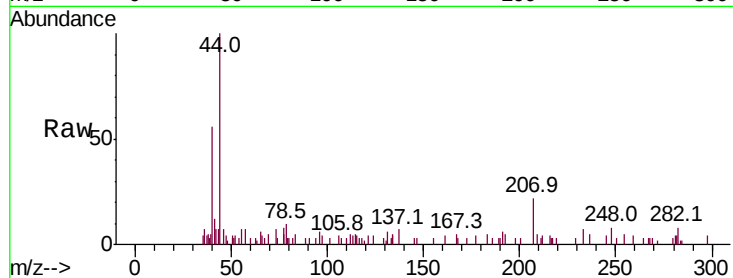




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.72 min Scan# 932
Delta R.T. -0.20 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

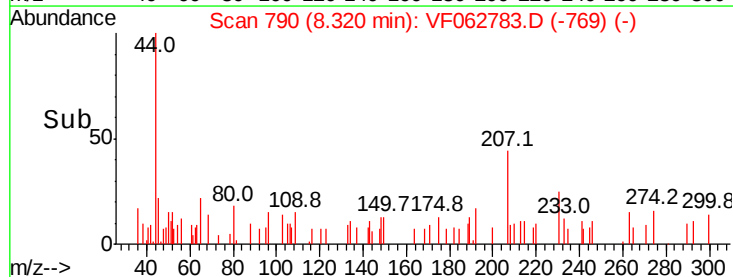
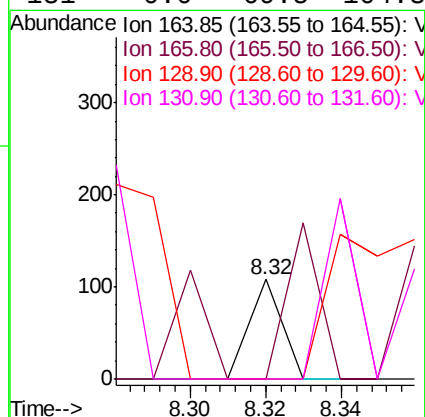
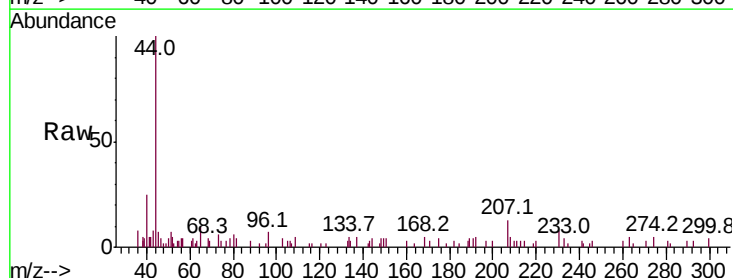
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

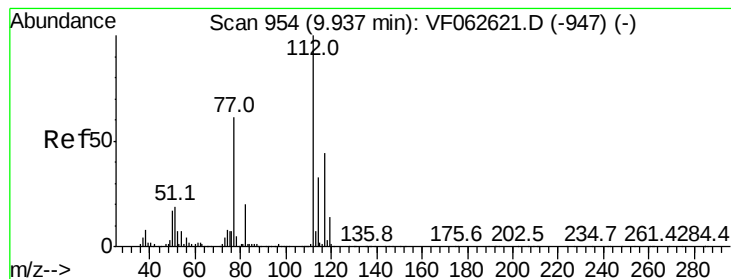
Tot Ion:117 Resp: 88
Ion Ratio Lower Upper
117 100
82 99.3 43.3 64.9#
119 72.3 27.4 41.0#



#64
Tetrachloroethene
Concen: 91.801 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion:164 Resp: 64
Ion Ratio Lower Upper
164 100
166 0.0 105.5 158.3#
129 0.0 73.8 110.6#
131 0.0 69.5 104.3#





#65

Chlorobenzene

Concen: 161.999 ug/l

RT: 9.97 min Scan# 957

Delta R.T. 0.03 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

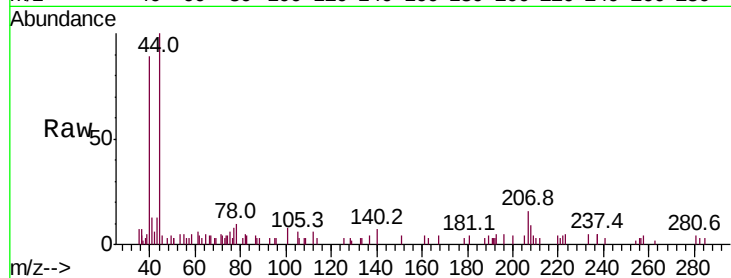
TEST-PIT-1RE

Tot Ion:112 Resp: 280

Ion Ratio Lower Upper

112 100

114 0.0 26.8 40.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.97

250

200

150

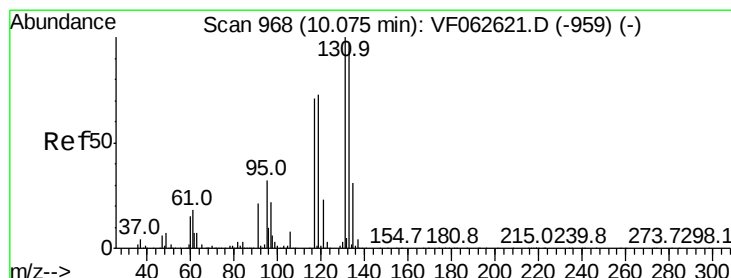
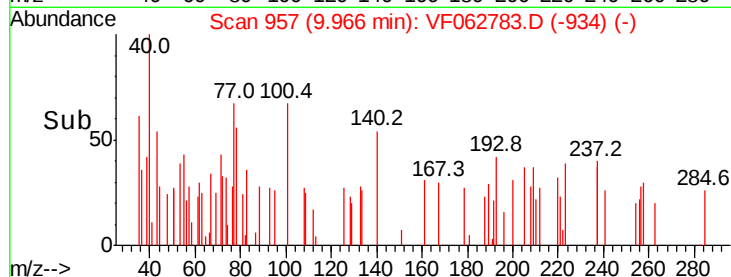
100

50

0

9.95 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 175.827 ug/l

RT: 10.15 min Scan# 976

Delta R.T. 0.08 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

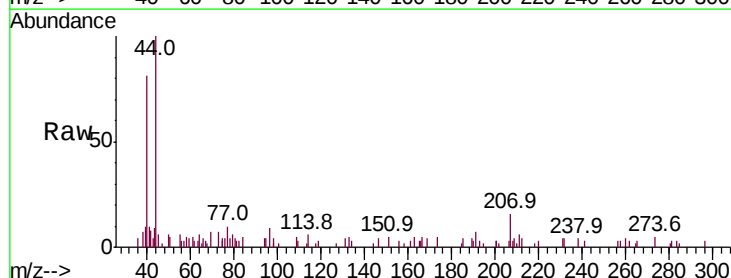
Tgt Ion:131 Resp: 122

Ion Ratio Lower Upper

131 100

133 117.4 48.5 145.5

119 67.6 36.8 110.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

600

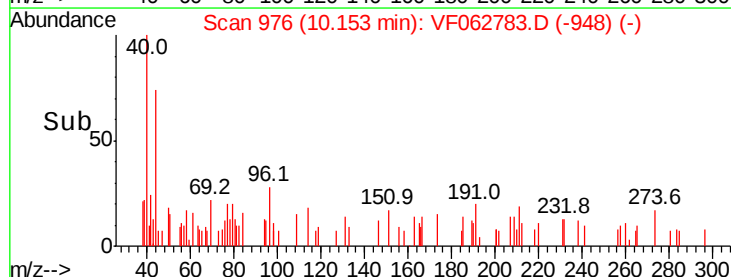
400

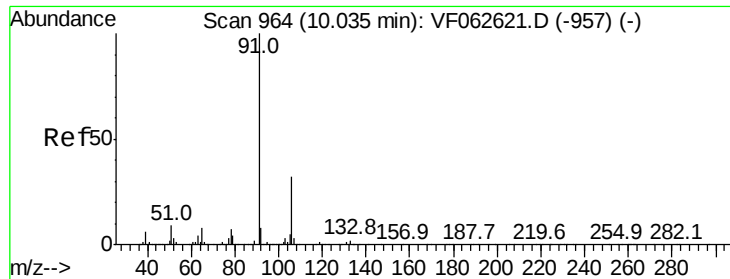
200

0

10.14 10.16 10.18

Time-->





#67

Ethyl Benzene

Concen: 153.866 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

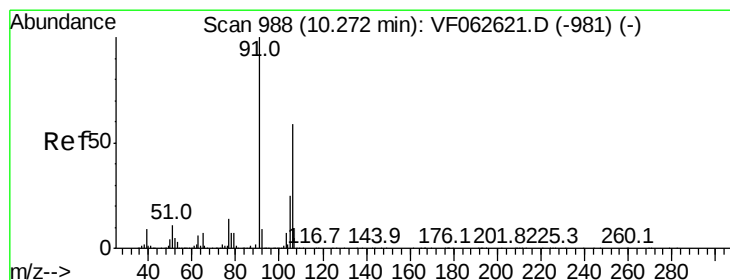
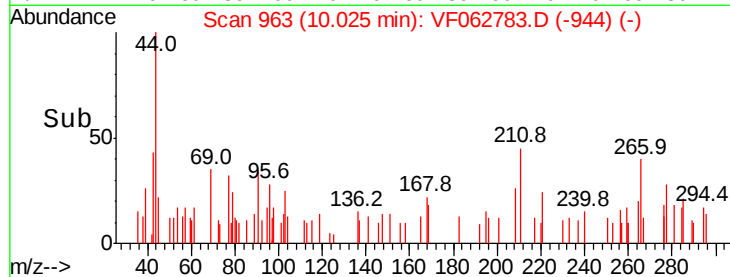
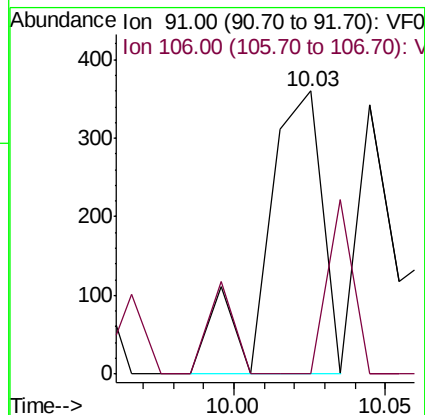
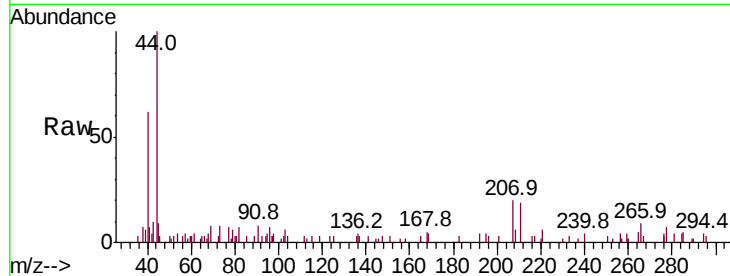
TEST-PIT-1RE

Tot Ion: 91 Resp: 462

Ion Ratio Lower Upper

91 100

106 0.0 25.8 38.8#



#68

m/p-Xylenes

Concen: 273.811 ug/l

RT: 10.33 min Scan# 994

Delta R.T. 0.06 min

Lab File: VF062783.D

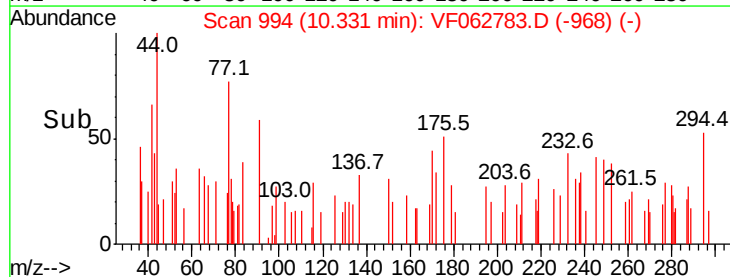
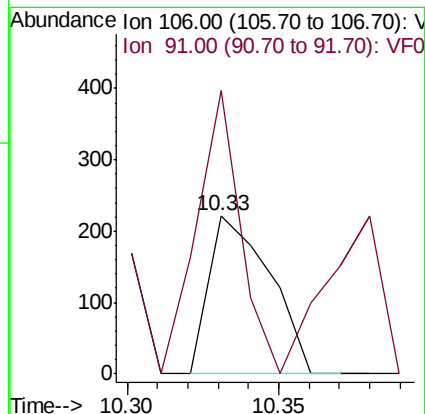
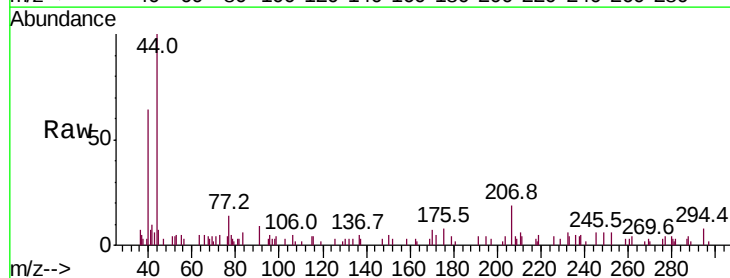
Acq: 29 May 2019 15:49

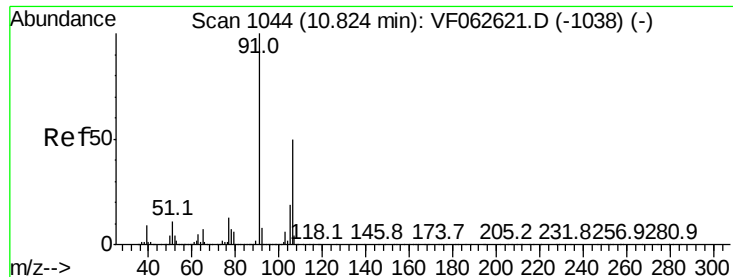
Tgt Ion: 106 Resp: 309

Ion Ratio Lower Upper

106 100

91 178.8 136.9 205.3

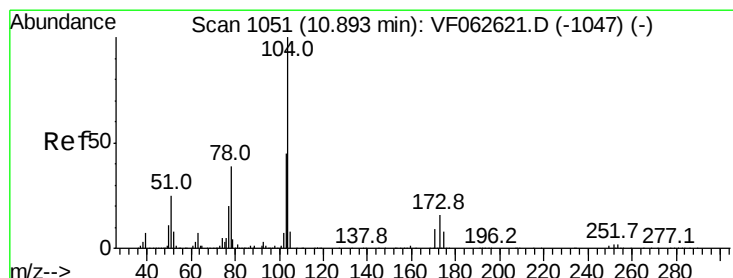
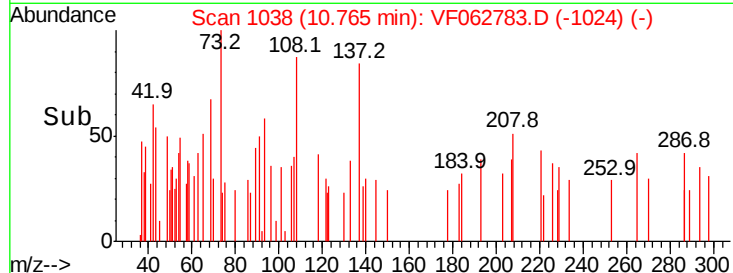
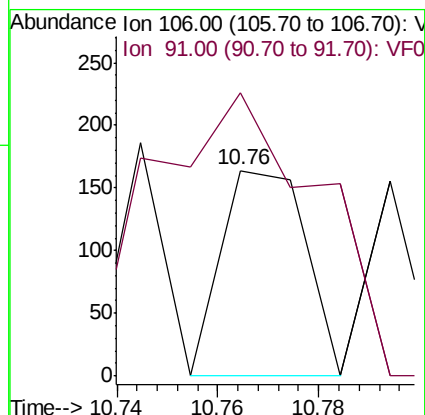
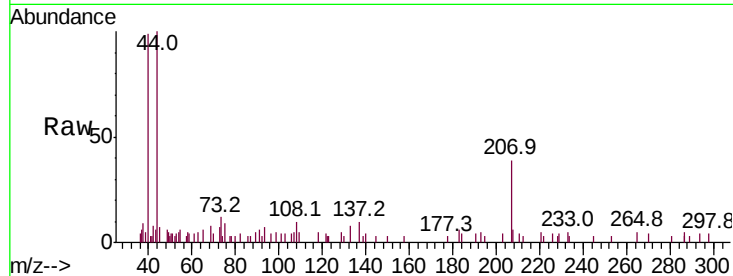




#69
o-Xylene
Concen: 163.458 ug/l
RT: 10.76 min Scan# 1038
Delta R.T. -0.06 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

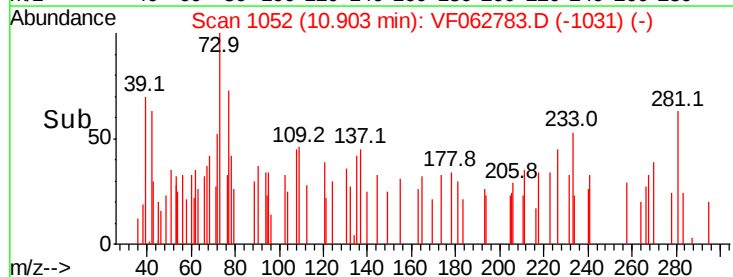
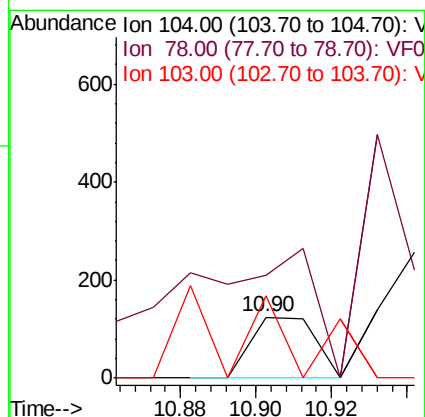
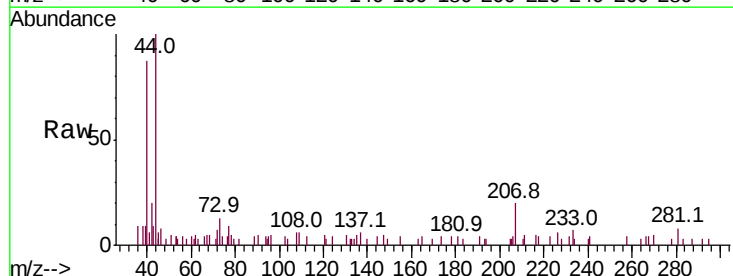
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-1RE

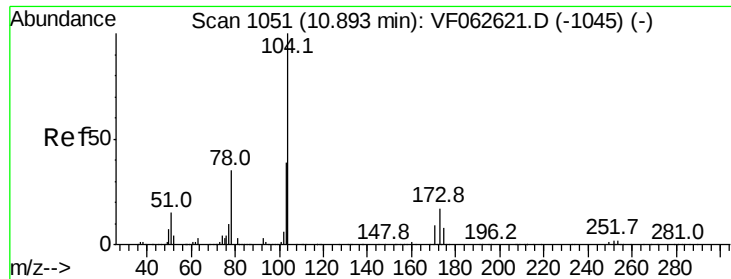
Tot Ion:106 Resp: 190
Ion Ratio Lower Upper
106 100
91 137.8 100.2 300.5



#70
Styrene
Concen: 82.072 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062783.D
Acq: 29 May 2019 15:49

Tgt Ion:104 Resp: 145
Ion Ratio Lower Upper
104 100
78 170.2 31.9 47.9#
103 135.5 36.1 54.1#





#71

Bromoform

Concen: 284.882 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

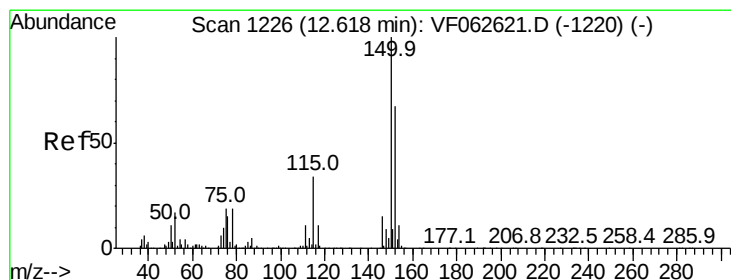
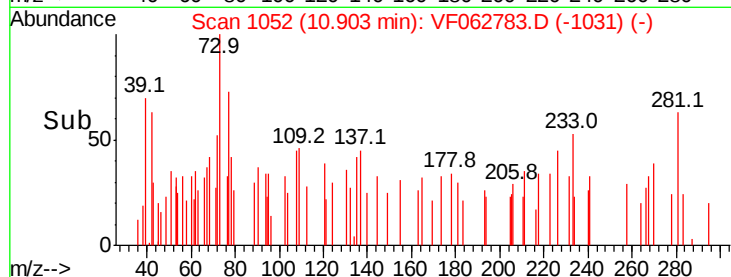
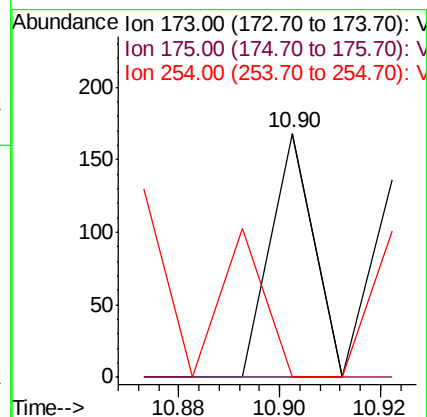
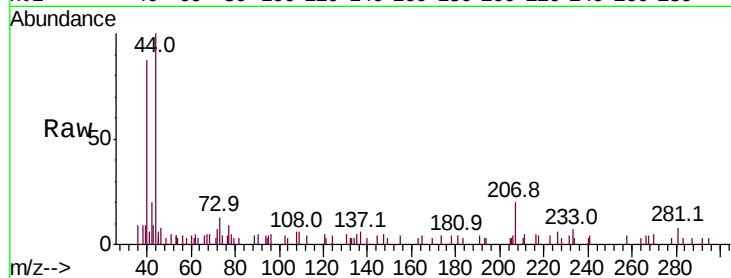
Tot Ion:173 Resp: 99

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.75 min Scan# 1239

Delta R.T. 0.13 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

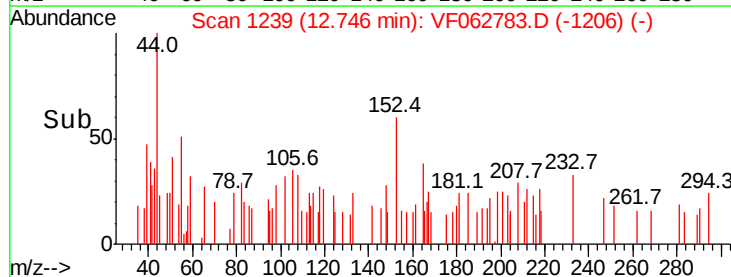
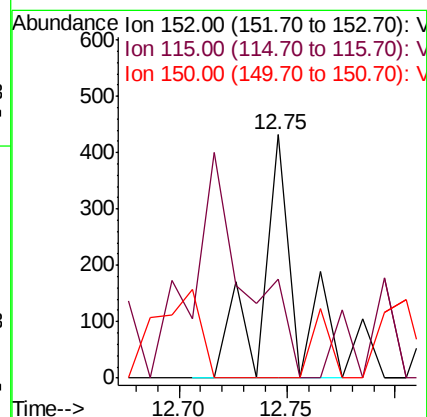
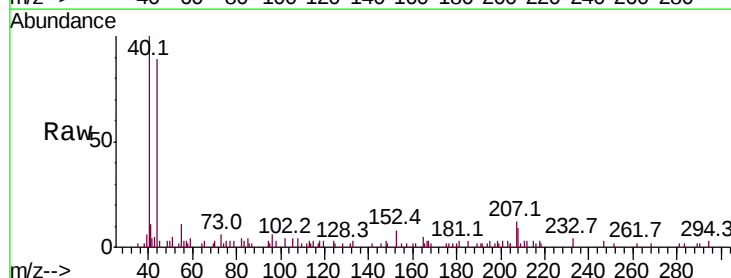
Tgt Ion:152 Resp: 469

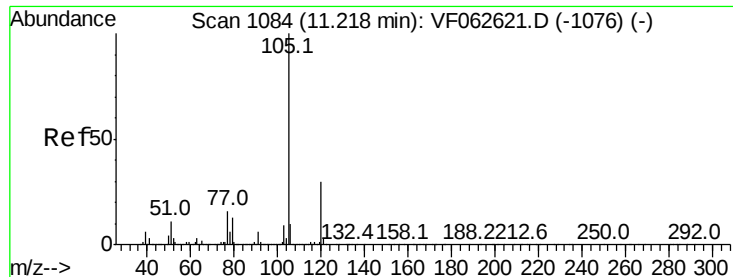
Ion Ratio Lower Upper

152 100

115 40.5 25.2 75.6

150 0.0 0.0 306.2





#73

Isopropylbenzene

Concen: 12.346 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.12 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

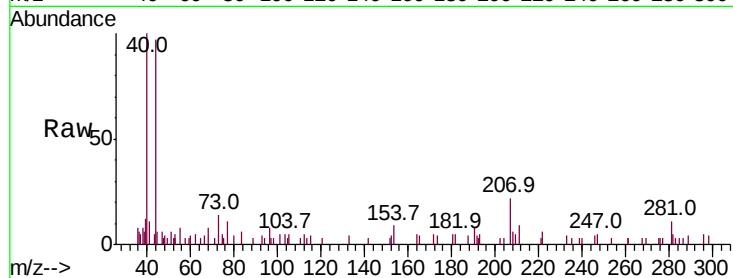
TEST-PIT-1RE

Tot Ion:105 Resp: 415

Ion Ratio Lower Upper

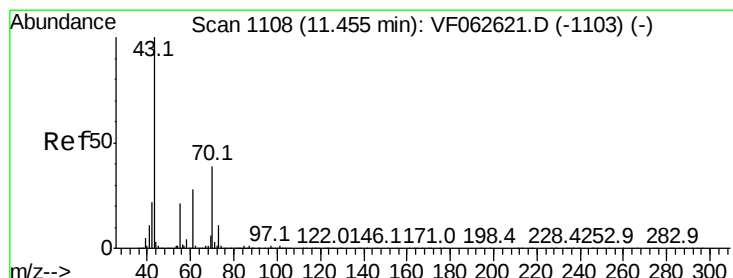
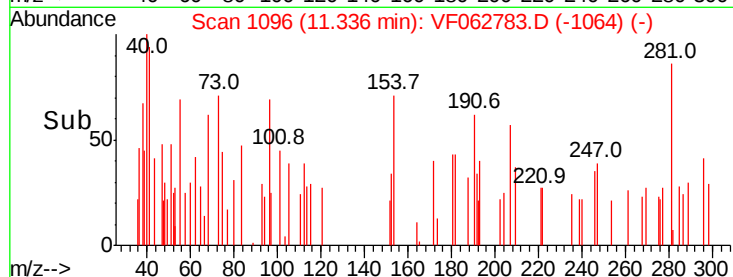
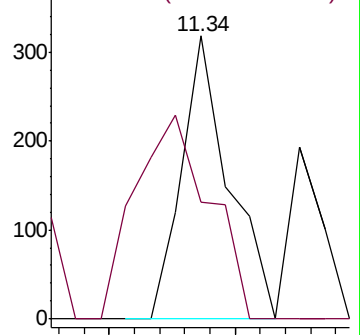
105 100

120 41.5 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 83.078 ug/l

RT: 11.42 min Scan# 1105

Delta R.T. -0.03 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Tgt Ion: 43 Resp: 680

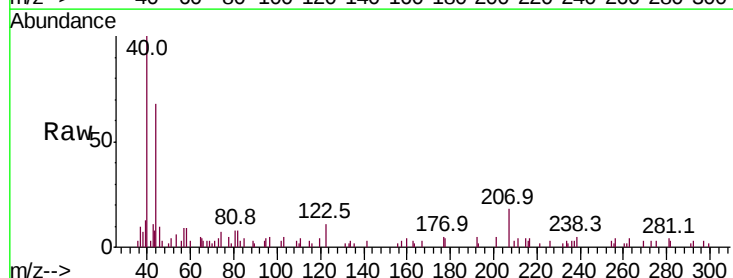
Ion Ratio Lower Upper

43 100

70 13.2 30.9 46.3#

55 0.0 17.0 25.4#

61 0.0 22.6 34.0#

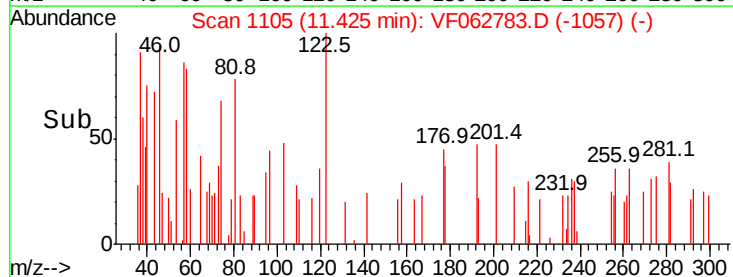
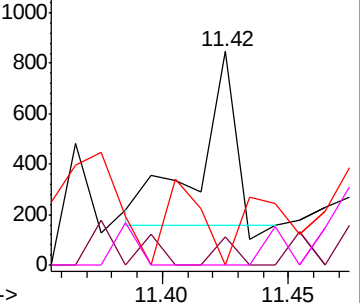


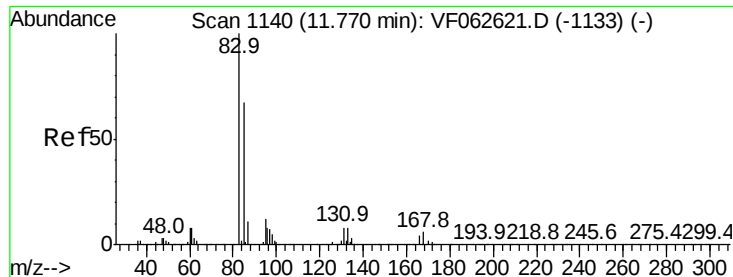
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 74.241 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

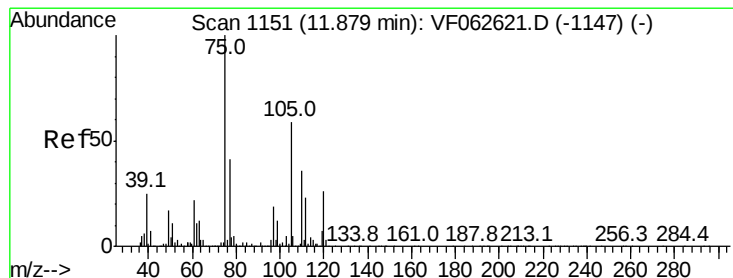
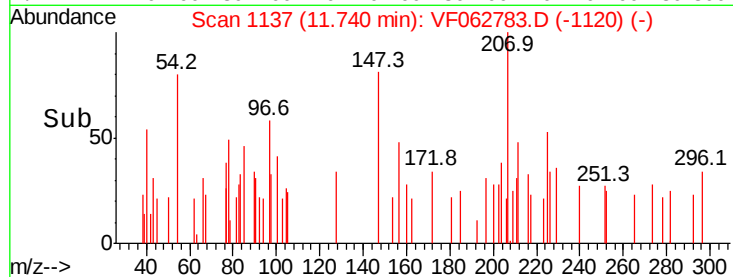
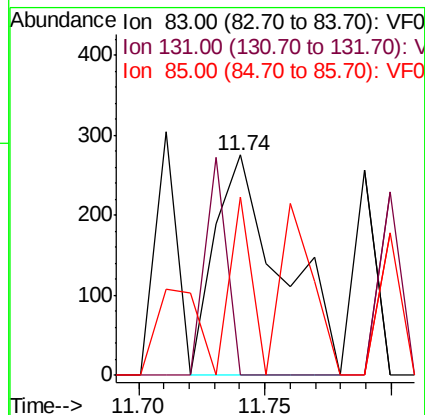
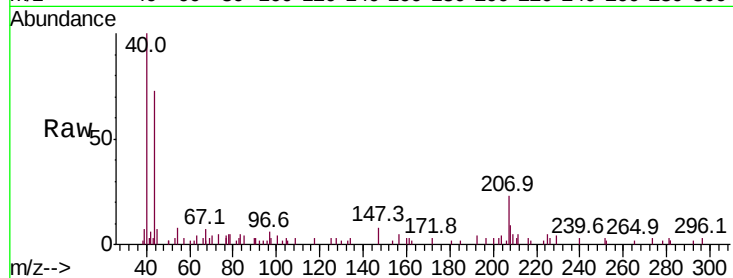
Tot Ion: 83 Resp: 510

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 81.1 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 102.134 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.12 min

Lab File: VF062783.D

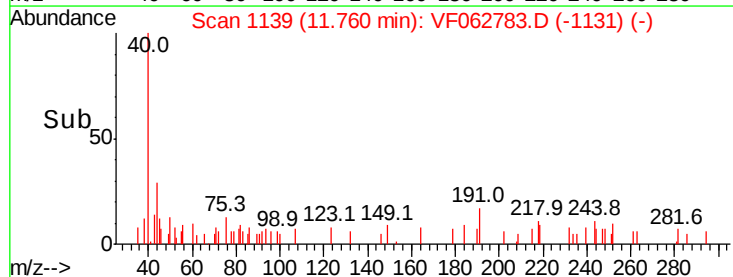
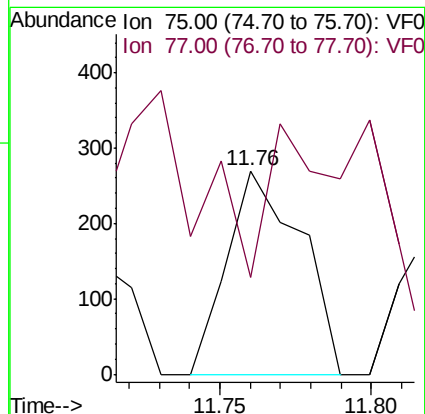
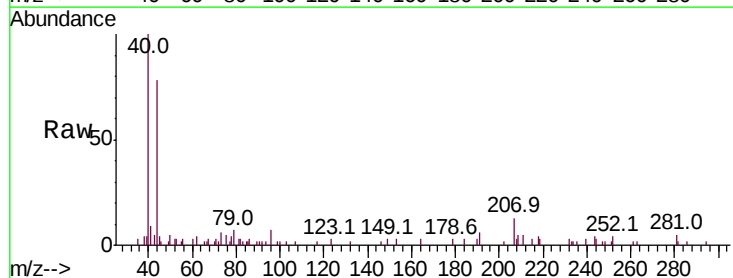
Acq: 29 May 2019 15:49

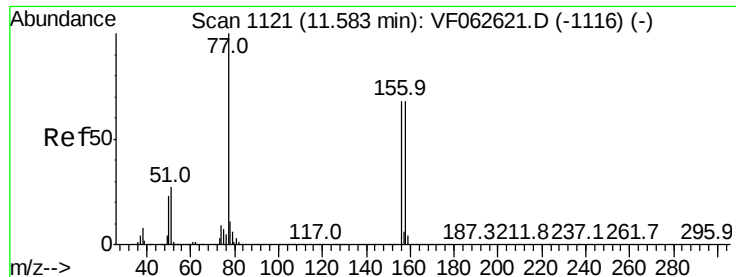
Tgt Ion: 75 Resp: 461

Ion Ratio Lower Upper

75 100

77 47.4 20.6 61.8





#77

Bromobenzene

Concen: 8.976 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

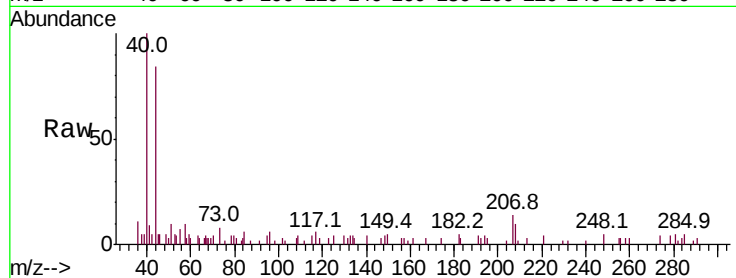
Tot Ion:156 Resp: 75

Ion Ratio Lower Upper

156 100

77 0.0 73.6 220.8#

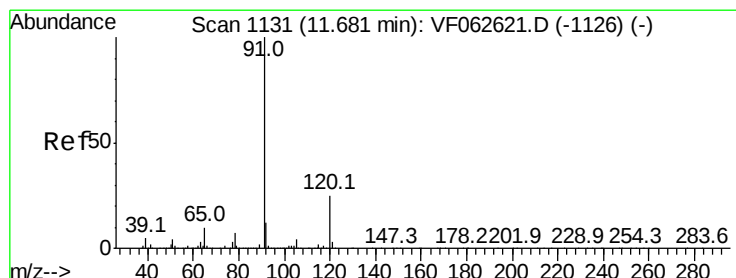
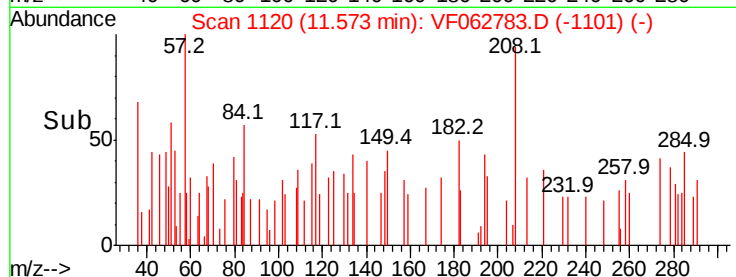
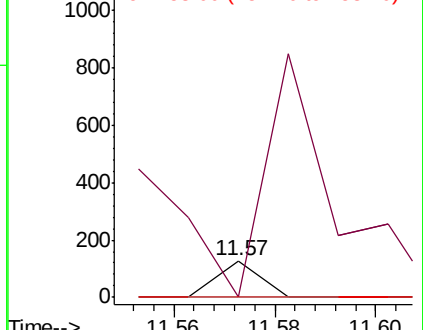
158 0.0 49.6 148.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 1.936 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.02 min

Lab File: VF062783.D

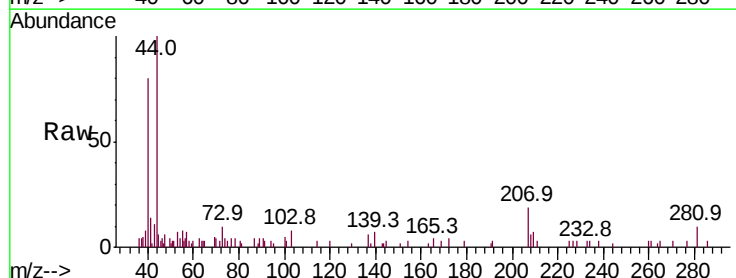
Acq: 29 May 2019 15:49

Tgt Ion: 91 Resp: 77

Ion Ratio Lower Upper

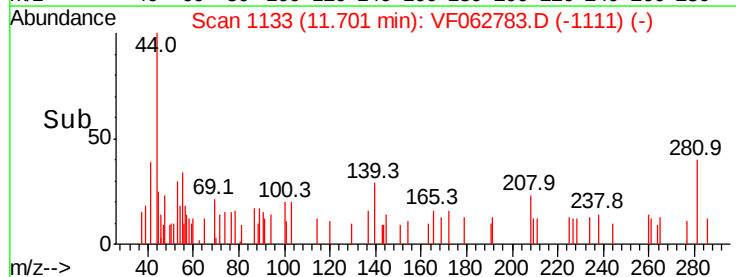
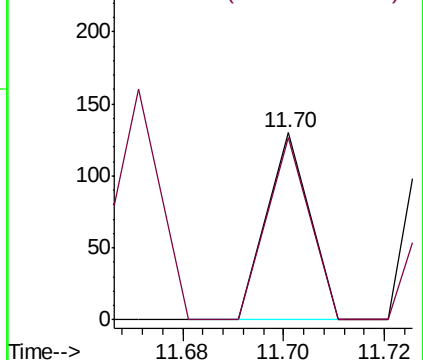
91 100

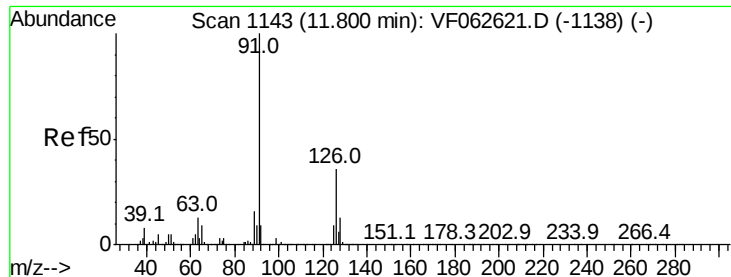
120 97.7 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.174 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.07 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

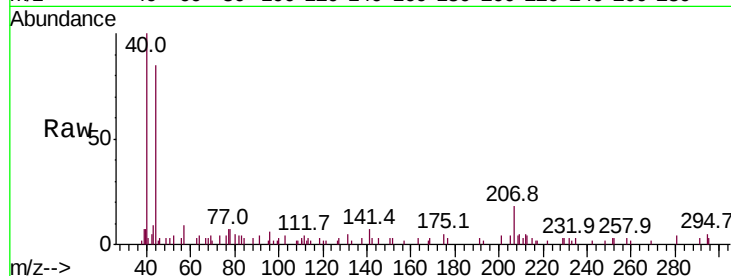
TEST-PIT-1RE

Tot Ion: 91 Resp: 116

Ion Ratio Lower Upper

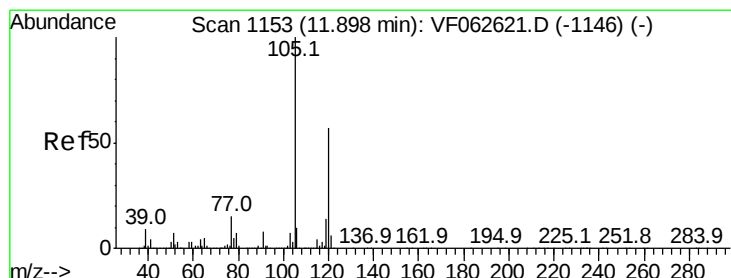
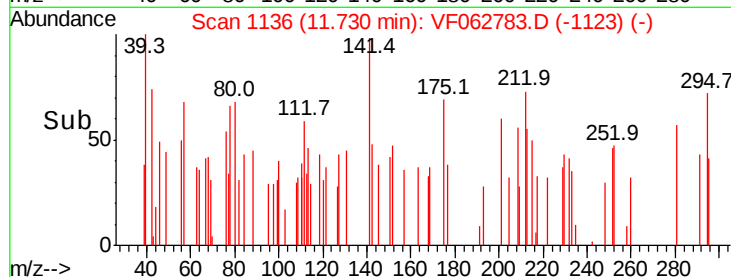
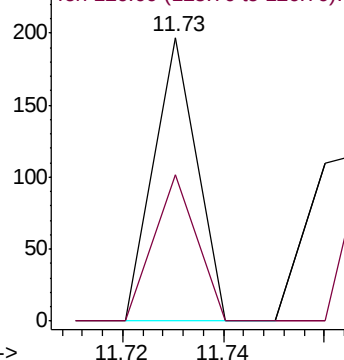
91 100

126 51.8 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 6.419 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.05 min

Lab File: VF062783.D

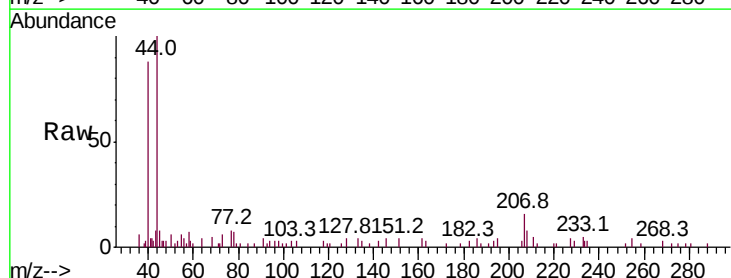
Acq: 29 May 2019 15:49

Tgt Ion:105 Resp: 173

Ion Ratio Lower Upper

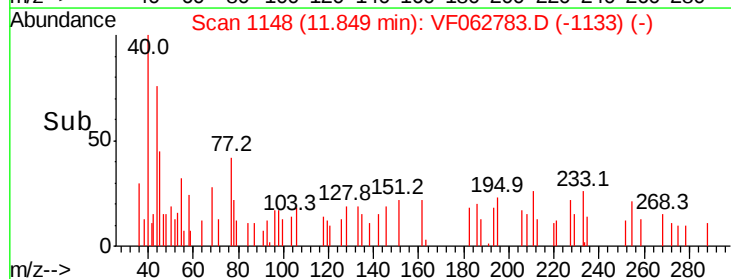
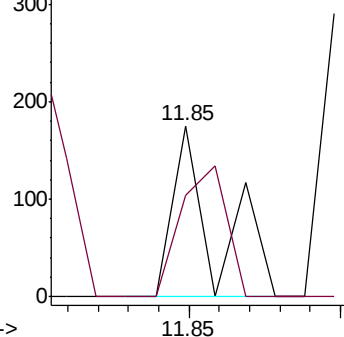
105 100

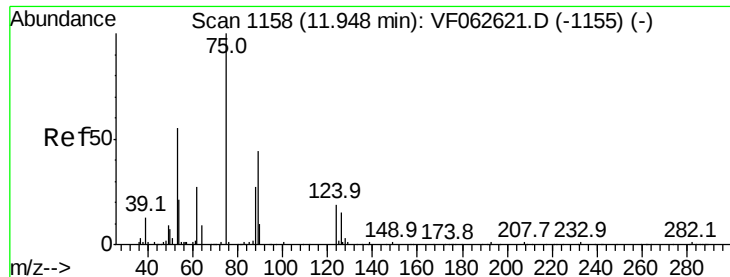
120 59.4 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.349 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

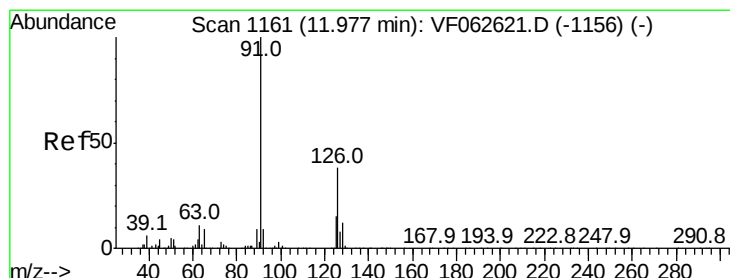
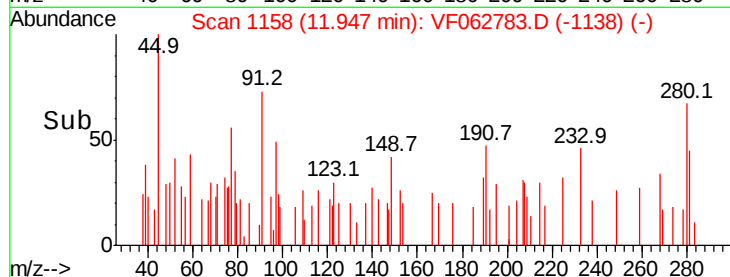
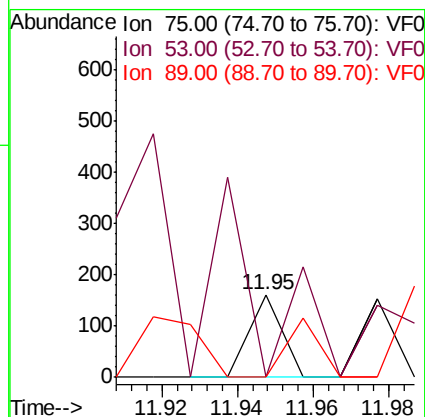
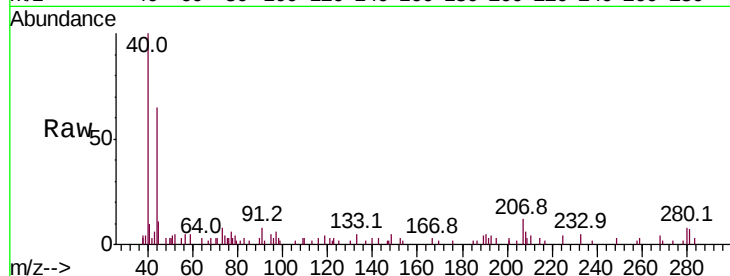
Tot Ion: 75 Resp: 95

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 16.283 ug/l

RT: 12.12 min Scan# 1176

Delta R.T. 0.15 min

Lab File: VF062783.D

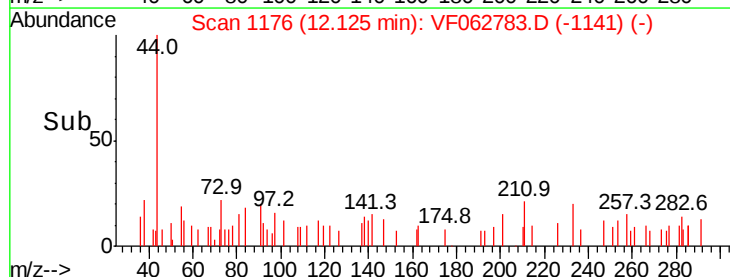
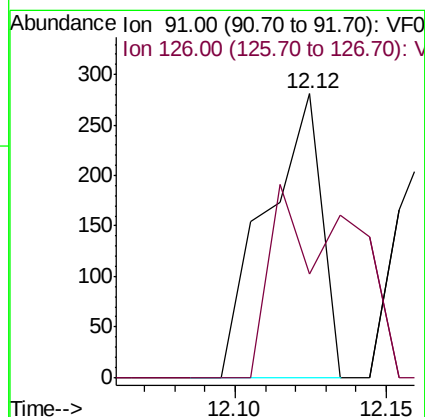
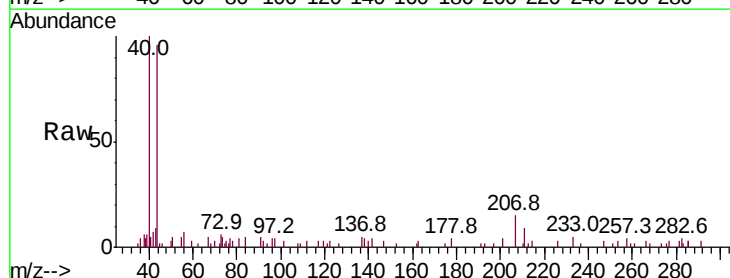
Acq: 29 May 2019 15:49

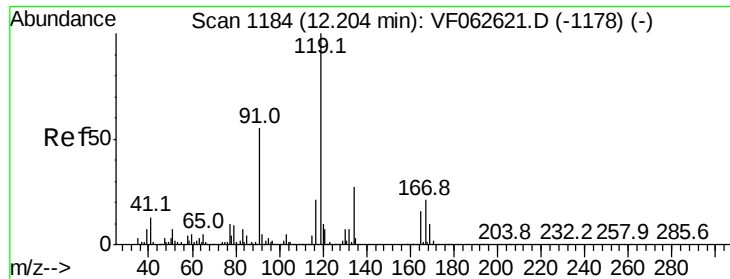
Tgt Ion: 91 Resp: 360

Ion Ratio Lower Upper

91 100

126 36.3 19.1 57.1





#83

tert-Butylbenzene

Concen: 13.896 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

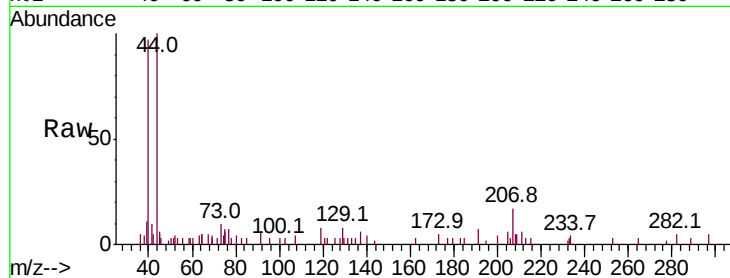
Tot Ion:119 Resp: 380

Ion Ratio Lower Upper

119 100

91 76.9 27.3 81.9

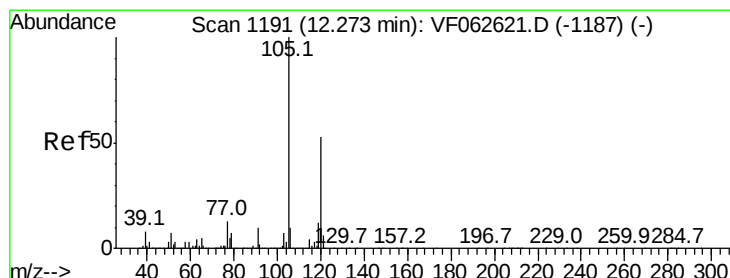
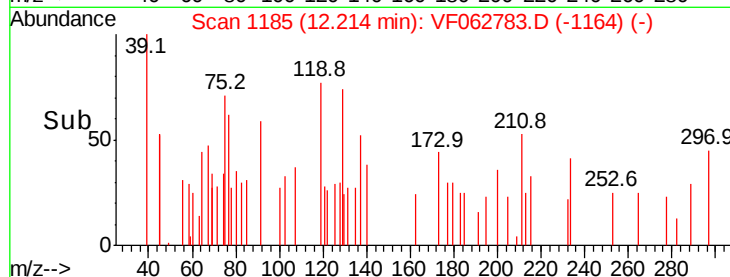
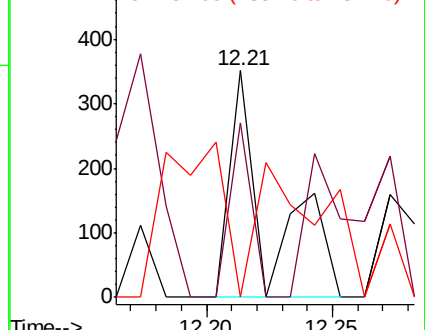
134 0.0 13.6 40.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.210 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.02 min

Lab File: VF062783.D

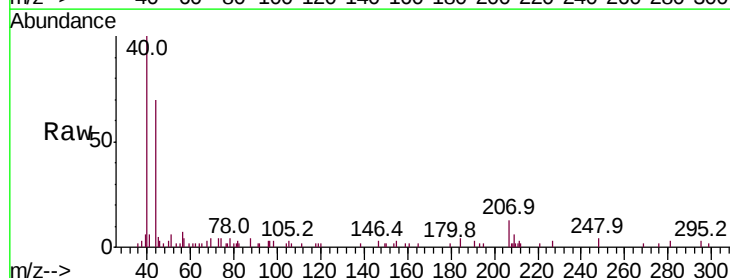
Acq: 29 May 2019 15:49

Tgt Ion:105 Resp: 162

Ion Ratio Lower Upper

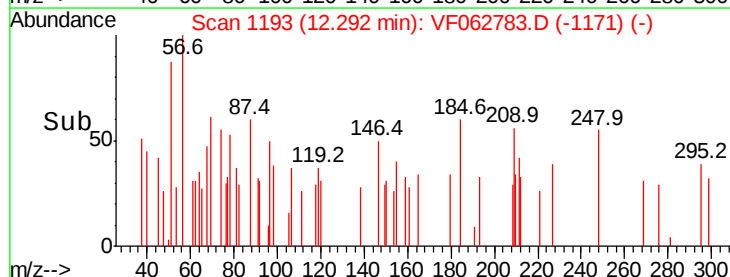
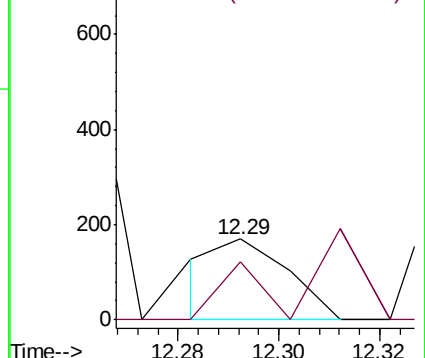
105 100

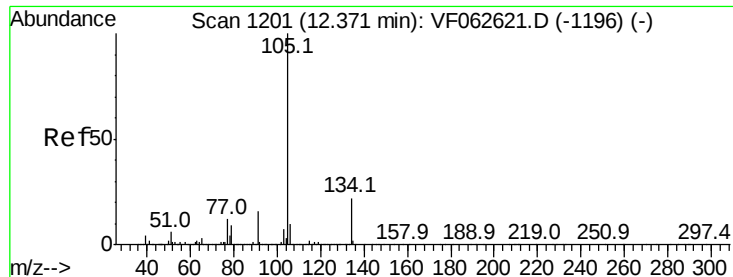
120 71.2 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

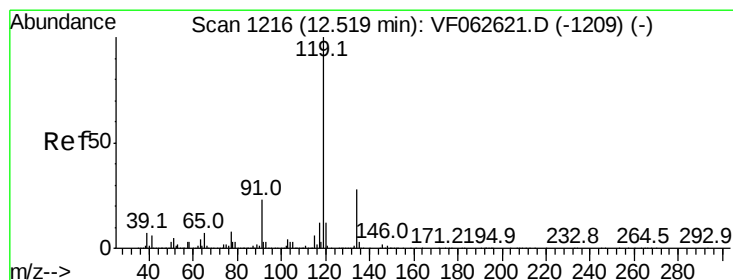
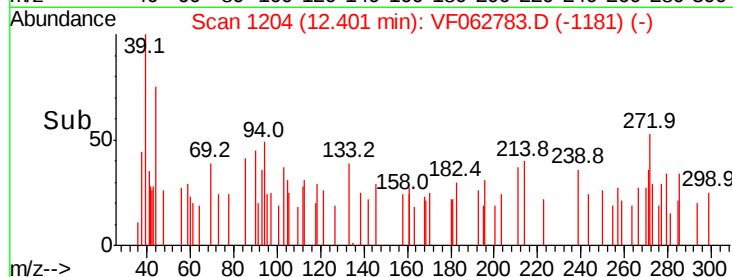
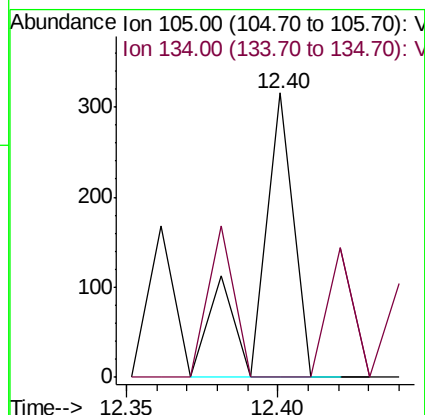
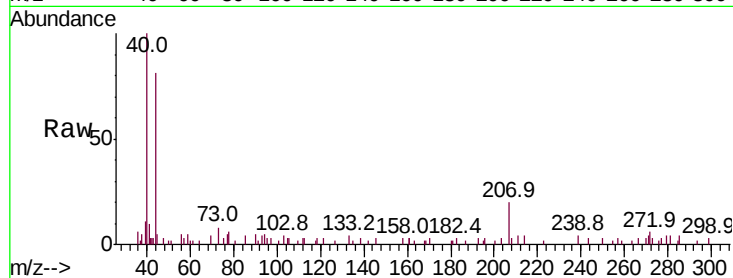




#85
 sec-Butylbenzene
 Concen: 6.894 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

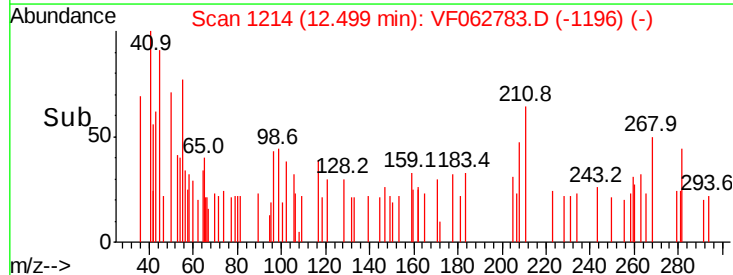
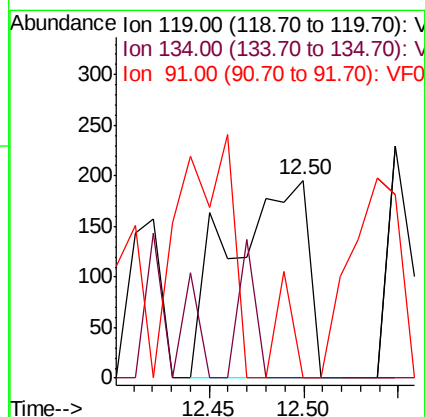
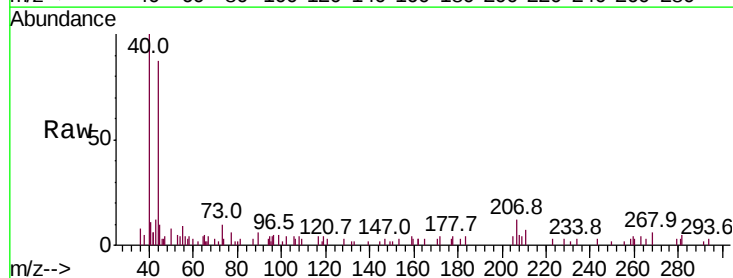
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

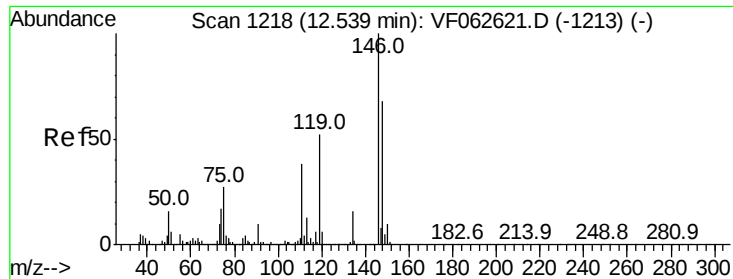
Tot Ion:105 Resp: 253
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 18.139 ug/l
 RT: 12.50 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

Tgt Ion:119 Resp: 561
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 0.0 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 15.480 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

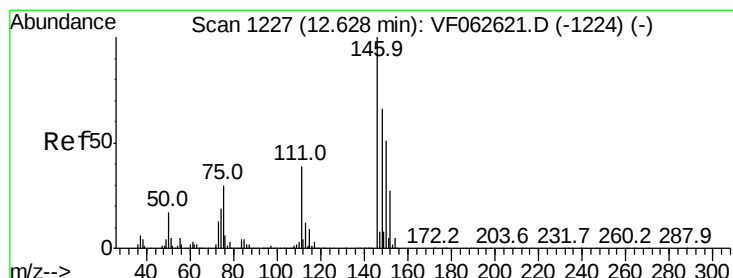
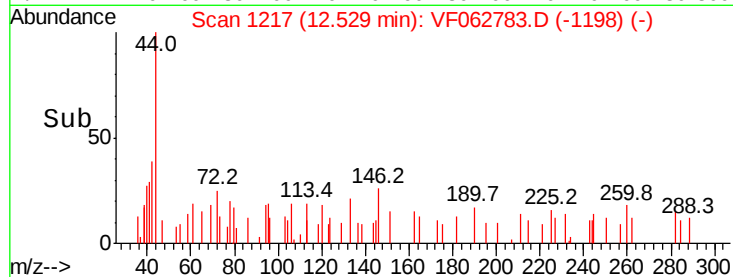
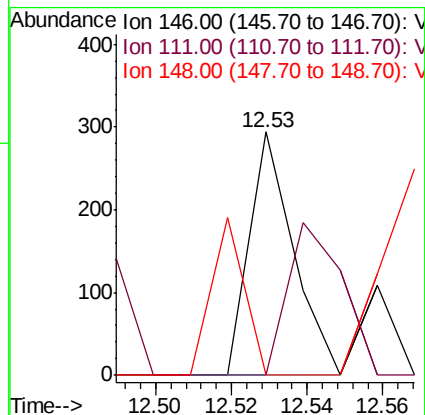
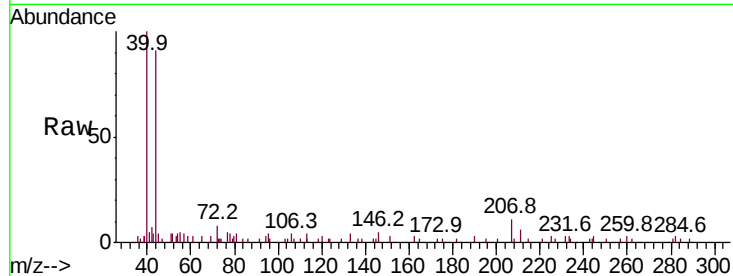
Tot Ion:146 Resp: 234

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.9#

148 0.0 34.0 101.8#



#88

1,4-Dichlorobenzene

Concen: 5.569 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

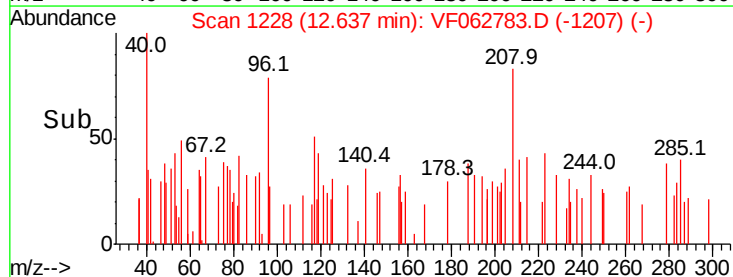
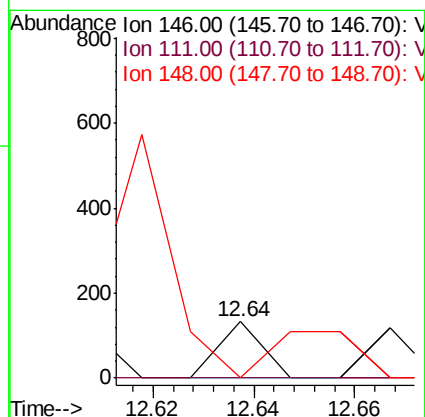
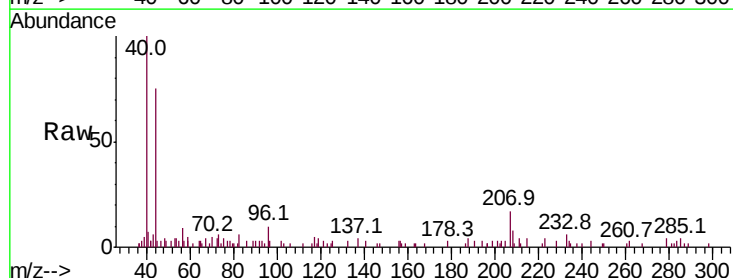
Tgt Ion:146 Resp: 79

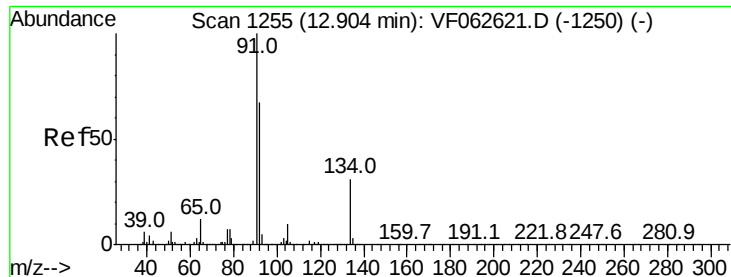
Ion Ratio Lower Upper

146 100

111 97.7 19.4 58.2#

148 0.0 33.2 99.6#





#89

n-Butylbenzene

Concen: 5.116 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

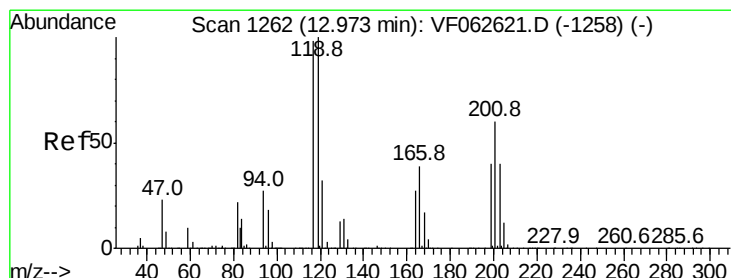
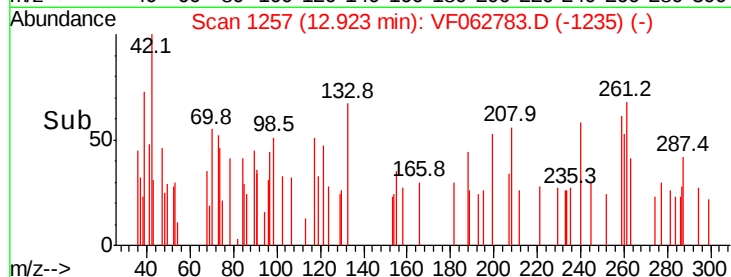
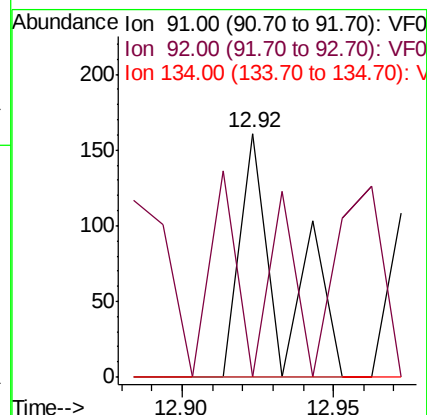
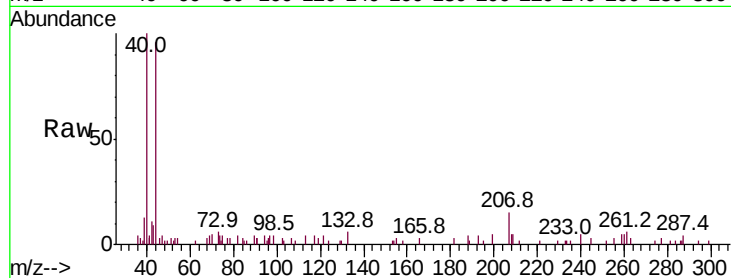
Tot Ion: 91 Resp: 156

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 28.979 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062783.D

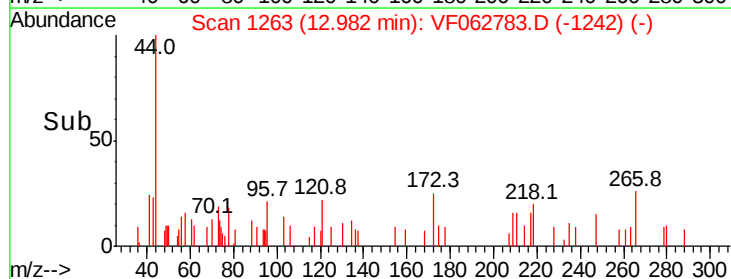
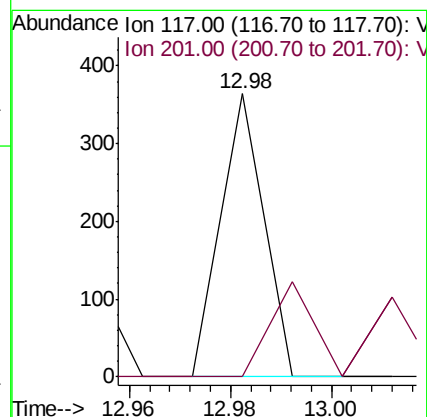
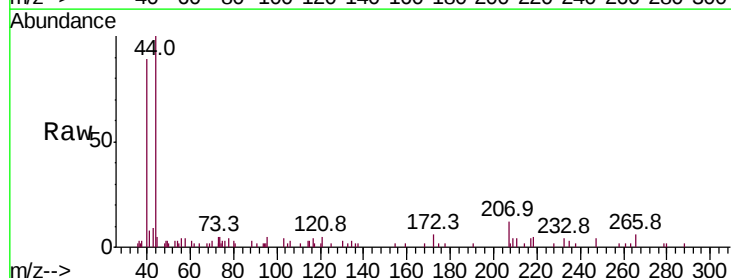
Acq: 29 May 2019 15:49

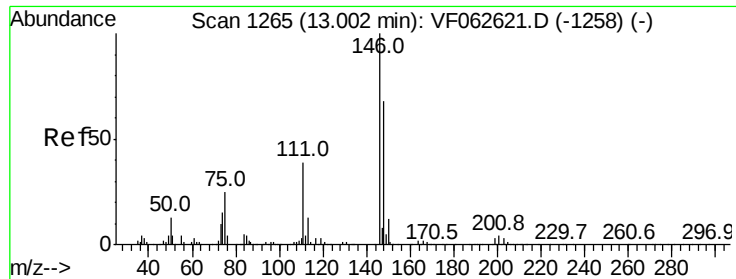
Tgt Ion: 117 Resp: 215

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 11.726 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.06 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

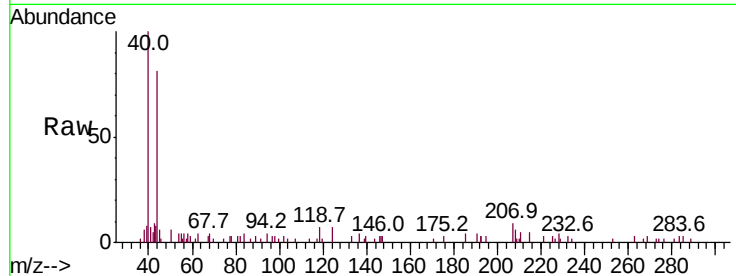
Tot Ion:146 Resp: 158

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

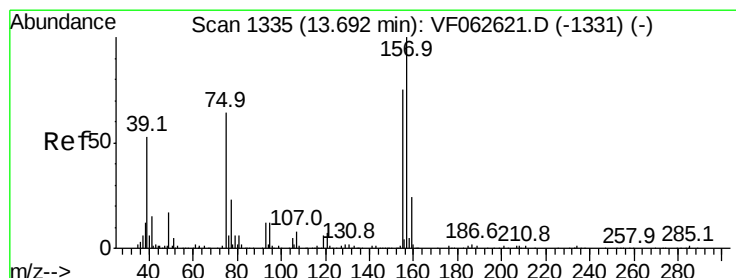
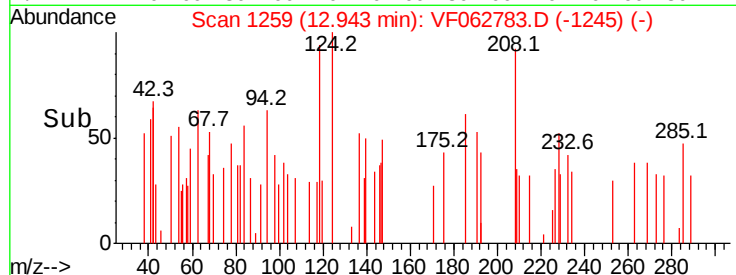
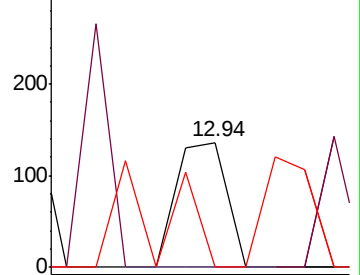
148 0.0 34.1 102.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 427.088 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.03 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

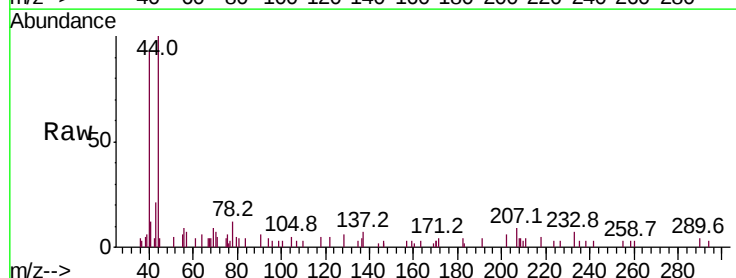
Tgt Ion: 75 Resp: 350

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

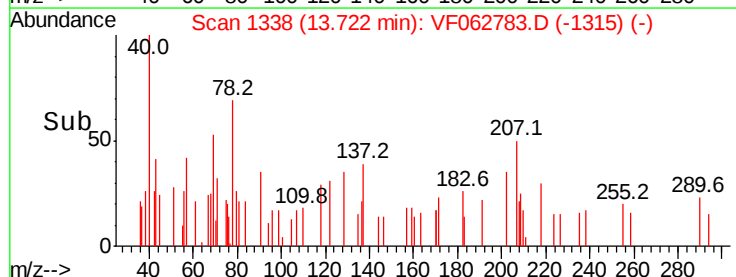
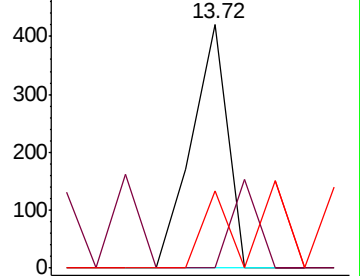
157 31.8 77.8 233.4#

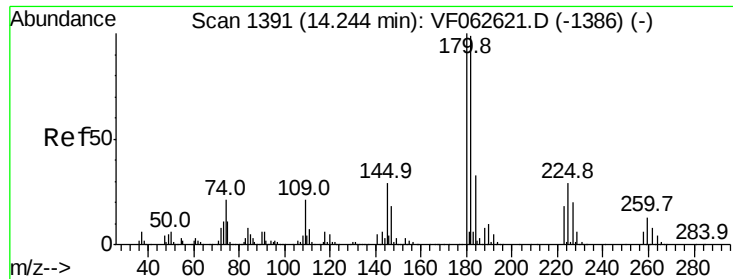


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

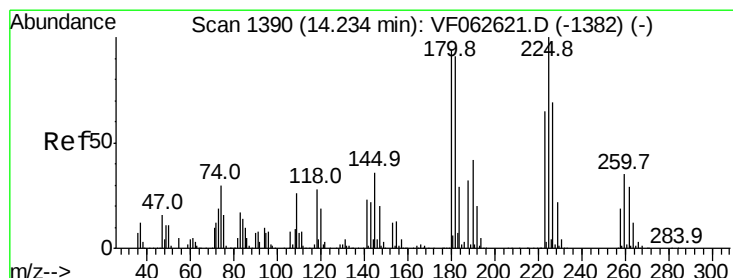
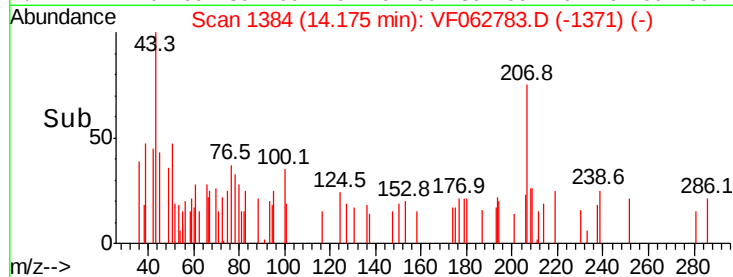
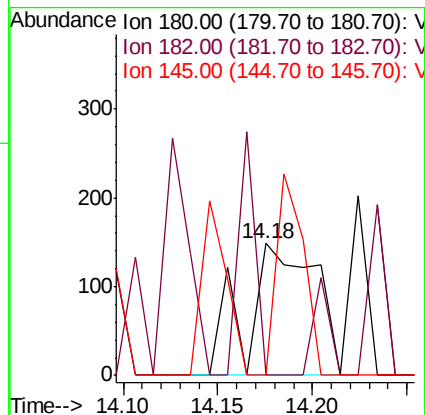
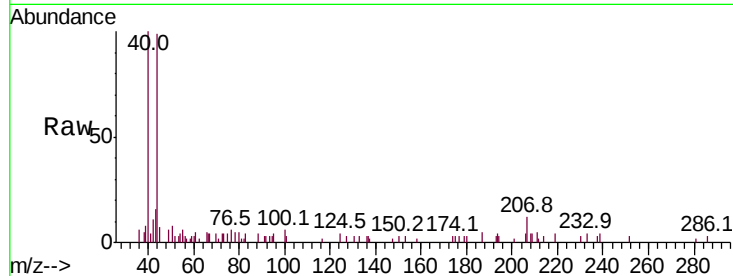




#93
 1,2,4-Trichlorobenzene
 Concen: 39.397 ug/l
 RT: 14.18 min Scan# 1384
 Delta R.T. -0.07 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

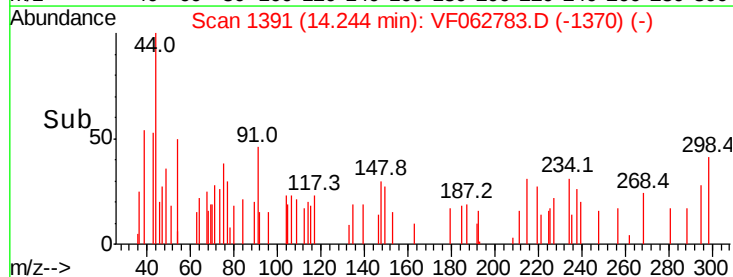
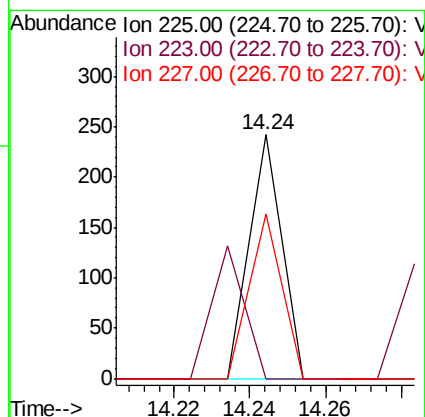
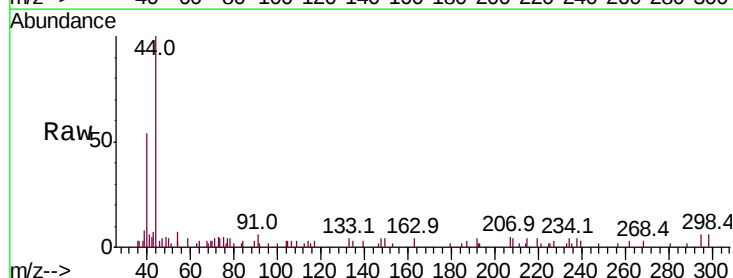
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

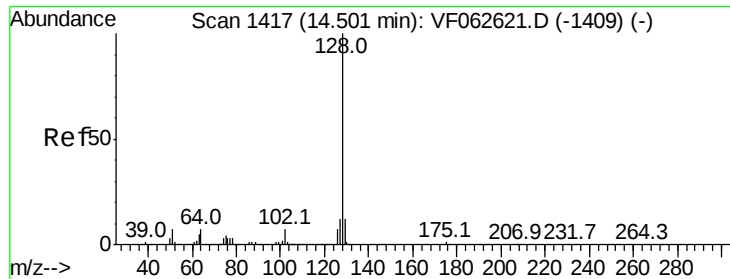
Tot Ion:180 Resp: 380
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 21.244 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062783.D
 Acq: 29 May 2019 15:49

Tgt Ion:225 Resp: 143
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 67.4 34.5 103.5





#95

Naphthalene

Concen: 24.140 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-1RE

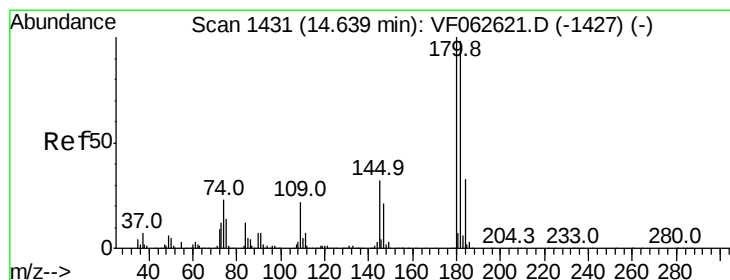
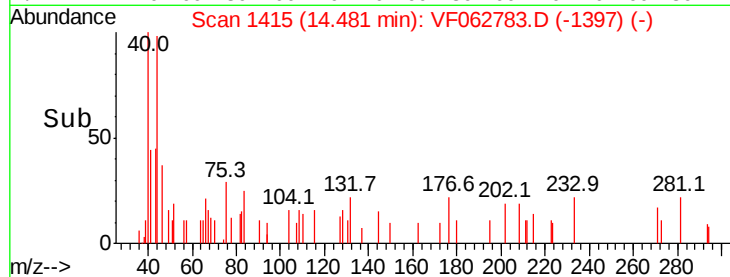
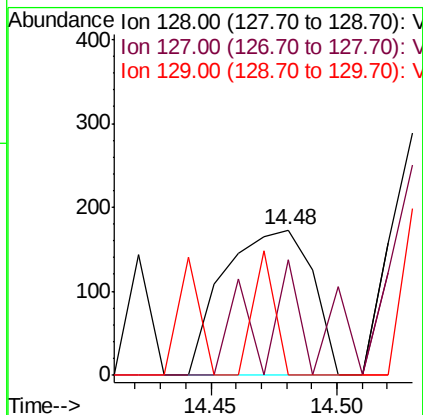
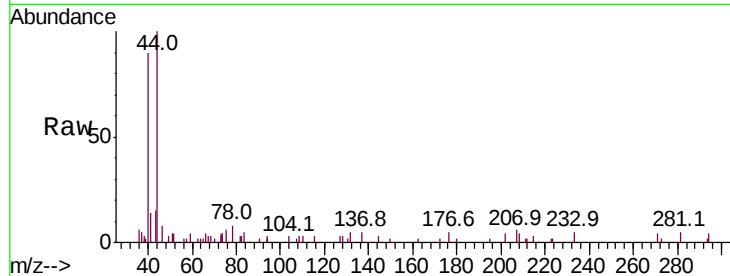
Tot Ion:128 Resp: 423

Ion Ratio Lower Upper

128 100

127 79.8 9.7 14.5#

129 0.0 9.3 13.9#



#96

1,2,3-Trichlorobenzene

Concen: 51.444 ug/l

RT: 14.60 min Scan# 1427

Delta R.T. -0.04 min

Lab File: VF062783.D

Acq: 29 May 2019 15:49

Tgt Ion:180 Resp: 470

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 56.5 16.1 48.2#

