

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062750.D
 Acq On : 24 May 2019 16:51
 Operator : FY/SY
 Sample : K3041-06
 Misc : 3.18g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2-S2

Quant Time: May 24 23:06:24 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	5.19	168	335	50.00	ug/l	0.12
34) 1,4-Difluorobenzene	5.96	114	59	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.21	117	297	50.00	ug/l	0.29
72) 1,4-Dichlorobenzene-d4	12.60	152	118	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.16	65	222	93.78	ug/l	0.12
Spiked Amount				50.000		
			Recovery	=	187.56%	
35) Dibromofluoromethane	4.45	113	88	194.92	ug/l	0.13
Spiked Amount				50.000		
			Recovery	=	389.84%	
50) Toluene-d8	7.94	98	364	337.68	ug/l	0.22
Spiked Amount				50.000		
			Recovery	=	675.36%	
62) 4-Bromofluorobenzene	11.86	95	165	403.59	ug/l	0.36
Spiked Amount				50.000		
			Recovery	=	807.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	160	35.097	ug/l #	41
3) Chloromethane	1.23	50	285	67.894	ug/l	98
4) Vinyl Chloride	1.20	62	274	70.912	ug/l #	40
5) Bromomethane	1.45	94	930	439.960	ug/l	96
6) Chloroethane	1.47	64	190	133.888	ug/l #	1
7) Trichlorofluoromethane	1.56	101	65	12.528	ug/l #	21
8) Diethyl Ether	1.73	74	651	633.383	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.94	101	64	19.373	ug/l #	19
10) Methyl Iodide	2.02	142	303	46.690	ug/l #	1
11) Tert butyl alcohol	2.74	59	487	3116.013	ug/l #	70
12) 1,1-Dichloroethene	1.92	96	878	291.753	ug/l #	2
13) Acrolein	2.04	56	248	1520.130	ug/l	94
14) Allyl chloride	2.20	41	1870	686.573	ug/l #	70
15) Acrylonitrile	3.18	53	904	2050.513	ug/l #	74
16) Acetone	2.34	43	1631	2655.714	ug/l	91
17) Carbon Disulfide	1.99	76	478	53.589	ug/l #	1
18) Methyl Acetate	2.50	43	1821	1886.866	ug/l #	52
19) Methyl tert-butyl Ether	2.61	73	475	88.294	ug/l #	60
20) Methylene Chloride	2.40	84	403	130.913	ug/l #	15
21) trans-1,2-Dichloroethene	2.46	96	835	283.874	ug/l #	30
22) Diisopropyl ether	3.04	45	1033	153.775	ug/l #	23
23) Vinyl Acetate	3.44	43	733	161.756	ug/l #	73
24) 1,1-Dichloroethane	3.08	63	132	26.785	ug/l #	1
25) 2-Butanone	4.67	43	496	378.013	ug/l #	50
26) 2,2-Dichloropropane	3.90	77	319	113.135	ug/l #	46
27) cis-1,2-Dichloroethene	3.76	96	150	31.002	ug/l	2
28) Bromochloromethane	4.04	49	408	147.619	ug/l #	3
29) Tetrahydrofuran	4.38	42	438	824.904	ug/l #	52
30) Chloroform	4.15	83	347	50.715	ug/l #	16
31) Cyclohexane	4.00	56	314	47.454	ug/l #	70
32) 1,1,1-Trichloroethane	4.39	97	169	37.192	ug/l #	58
36) 1,1-Dichloropropene	4.69	75	369	610.354	ug/l	89
37) Ethyl Acetate	4.46	43	433	1754.130	ug/l #	9
38) Carbon Tetrachloride	4.32	117	118	259.522	ug/l #	12

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.81	83	346	475.636	ug/l #	48
40) Benzene	4.95	78	173	105.039	ug/l #	1
41) Methacrylonitrile	5.06	41	518	4002.642	ug/l #	46
42) 1,2-Dichloroethane	5.23	62	387	1178.299	ug/l #	71
43) Isopropyl Acetate	7.31	43	1921	6006.910	ug/l #	75
44) Trichloroethene	5.86	130	201	434.220	ug/l #	71
45) 1,2-Dichloropropane	6.59	63	293	704.728	ug/l #	1
46) Dibromomethane	6.44	93	243	1011.317	ug/l #	43
47) Bromodichloromethane	6.79	83	233	467.099	ug/l #	79
48) Methyl methacrylate	7.15	41	1616	9667.787	ug/l #	29
49) 1,4-Dioxane	7.07	88	125	58387.075	ug/l #	22
51) 4-Methyl-2-Pentanone	8.72	43	808	3696.343	ug/l #	95
52) Toluene	8.04	92	247	285.957	ug/l #	12
53) t-1,3-Dichloropropene	8.65	75	837	2050.974	ug/l #	89
54) cis-1,3-Dichloropropene	7.71	75	59	103.279	ug/l #	1
55) 1,1,2-Trichloroethane	8.89	97	234	914.959	ug/l #	42
56) Ethyl methacrylate	9.02	69	215	705.628	ug/l #	63
57) 1,3-Dichloropropane	9.28	76	255	585.376	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.69	63	93	937.709	ug/l #	51
59) 2-Hexanone	9.89	43	894	6749.454	ug/l #	93
60) Dibromochloromethane	9.09	129	207	621.019	ug/l #	12
61) 1,2-Dibromoethane	9.42	107	78	287.140	ug/l #	3
64) Tetrachloroethene	8.33	164	72	30.600	ug/l #	1
65) Chlorobenzene	10.05	112	378	64.800	ug/l #	100
66) 1,1,1,2-Tetrachloroethane	9.99	131	113	48.254	ug/l #	75
67) Ethyl Benzene	10.07	91	150	14.802	ug/l #	1
68) m/p-Xylenes	10.26	106	65	17.066	ug/l #	1
69) o-Xylene	10.80	106	80	20.392	ug/l #	1
70) Styrene	10.89	104	227	38.070	ug/l #	1
71) Bromoform	10.86	173	106	90.378	ug/l #	27
73) Isopropylbenzene	11.24	105	359	42.449	ug/l #	45
74) N-amyl acetate	11.49	43	352	177.323	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.80	83	325	188.040	ug/l #	6
76) 1,2,3-Trichloropropane	11.85	75	342	301.152	ug/l #	69
77) Bromobenzene	11.60	156	70	33.298	ug/l #	56
78) n-propylbenzene	11.69	91	96	9.591	ug/l #	1
79) 2-Chlorotoluene	11.78	91	152	26.947	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.90	105	571	84.201	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.95	75	154	305.072	ug/l #	1
82) 4-Chlorotoluene	11.93	91	246	44.225	ug/l #	37
83) tert-Butylbenzene	12.23	119	236	34.302	ug/l #	79
84) 1,2,4-Trimethylbenzene	12.13	105	194	29.557	ug/l #	97
85) sec-Butylbenzene	12.36	105	266	28.809	ug/l #	54
86) p-Isopropyltoluene	12.52	119	679	87.260	ug/l #	1
87) 1,3-Dichlorobenzene	12.59	146	60	15.776	ug/l #	23
88) 1,4-Dichlorobenzene	12.59	146	60	16.811	ug/l #	24
89) n-Butylbenzene	12.95	91	322	41.971	ug/l #	25
90) Hexachloroethane	12.90	117	137	73.394	ug/l #	90
91) 1,2-Dichlorobenzene	13.04	146	330	97.337	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	193	936.047	ug/l #	1

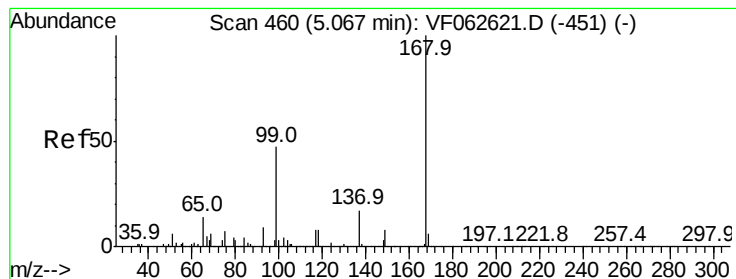
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	76	31.318	ug/l #	38
94) Hexachlorobutadiene	14.24	225	159	93.885	ug/l #	16
95) Naphthalene	14.50	128	76	17.239	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.64	180	80	34.803	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.19 min Scan# 472

Delta R.T. 0.12 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

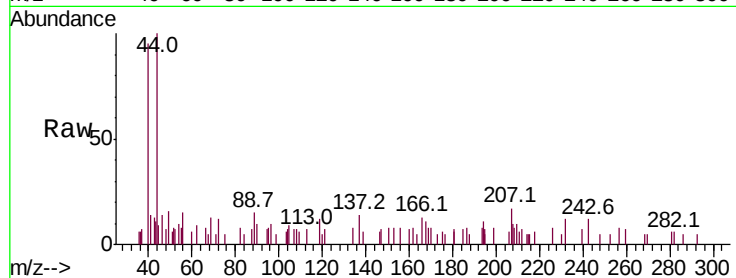
TP-2-S2

Tot Ion:168 Resp: 335

Ion Ratio Lower Upper

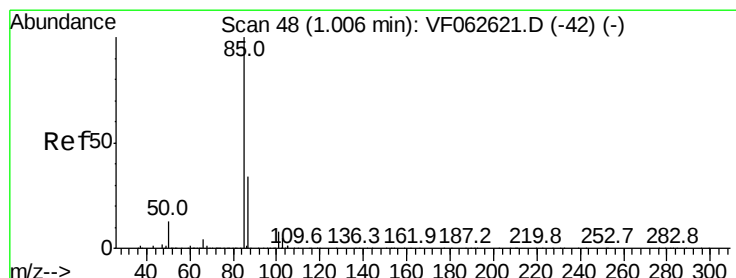
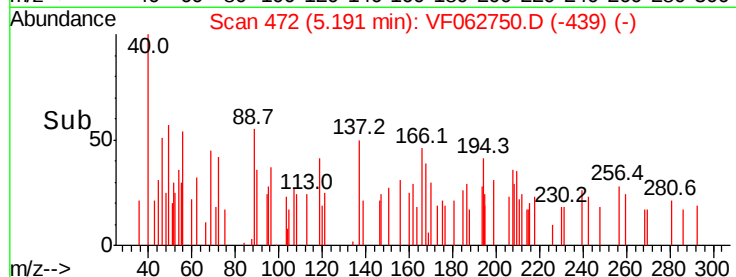
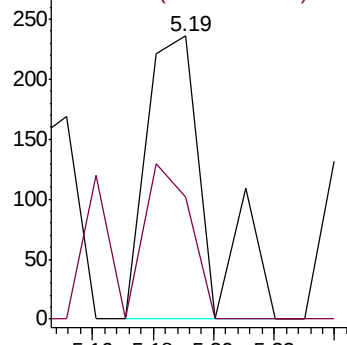
168 100

99 43.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 35.097 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062750.D

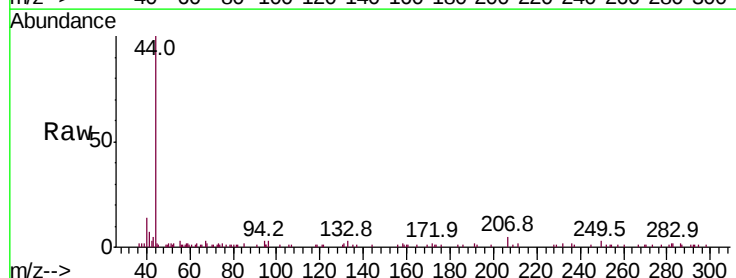
Acq: 24 May 2019 16:51

Tgt Ion: 85 Resp: 160

Ion Ratio Lower Upper

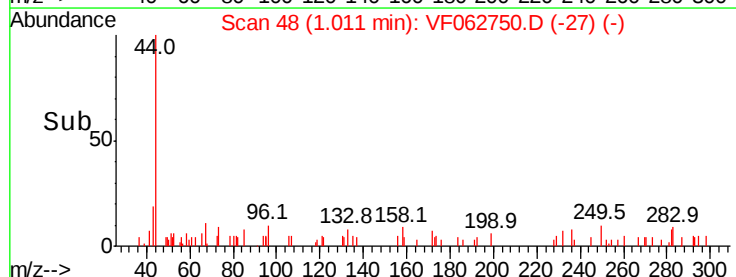
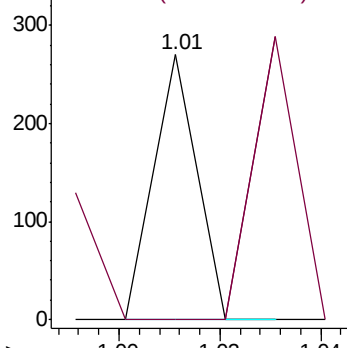
85 100

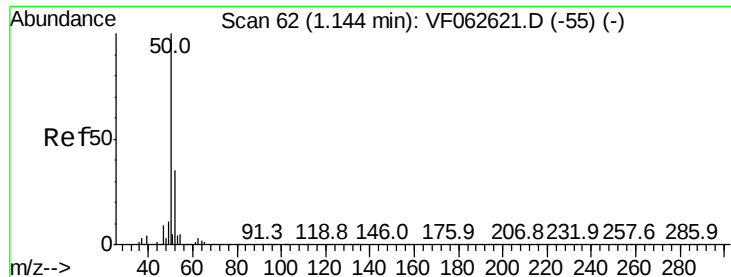
87 0.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 67.894 ug/l

RT: 1.23 min Scan# 70

Delta R.T. 0.08 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

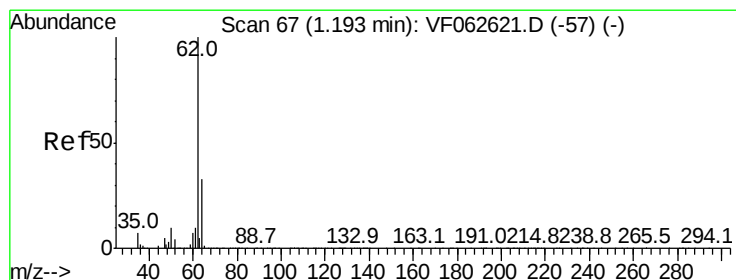
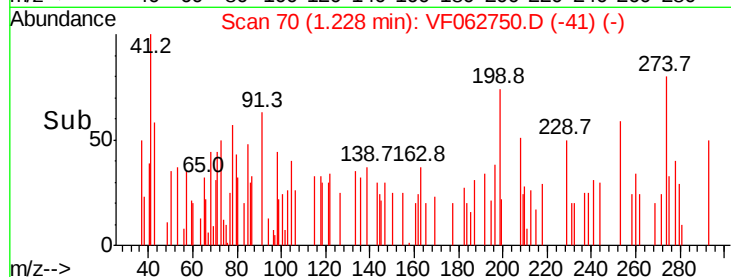
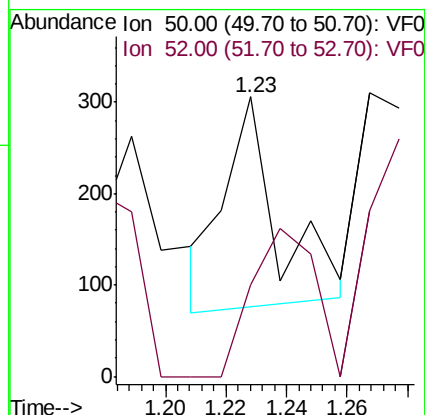
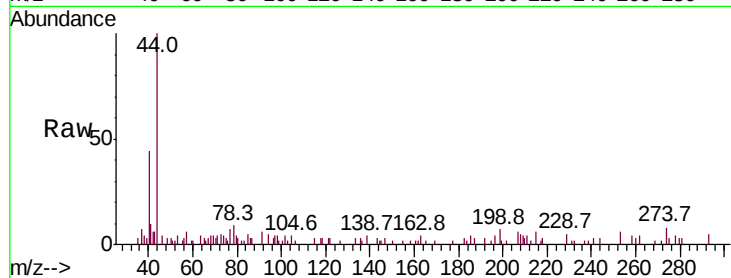
TP-2-S2

Tot Ion: 50 Resp: 285

Ion Ratio Lower Upper

50 100

52 33.0 27.5 41.3



#4

Vinyl Chloride

Concen: 70.912 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062750.D

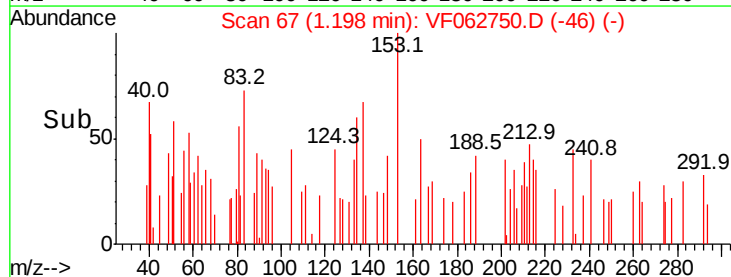
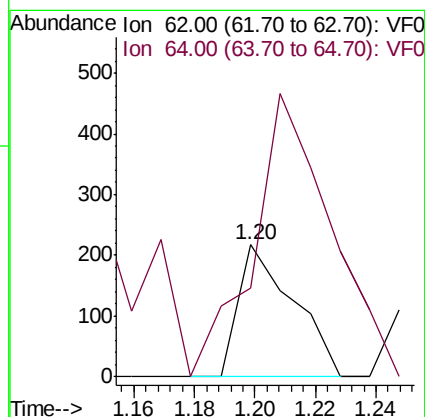
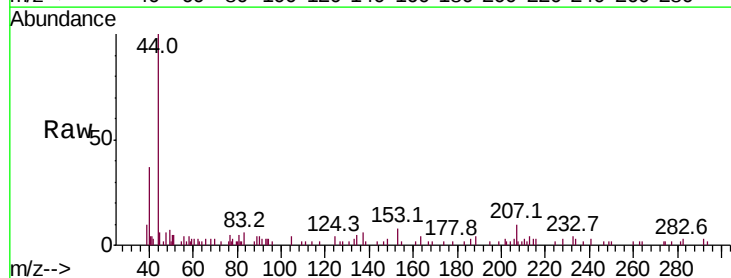
Acq: 24 May 2019 16:51

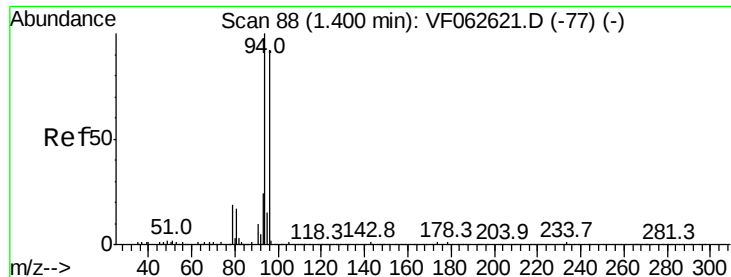
Tgt Ion: 62 Resp: 274

Ion Ratio Lower Upper

62 100

64 67.3 26.7 40.1#





#5

Bromomethane

Concen: 439.960 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.05 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

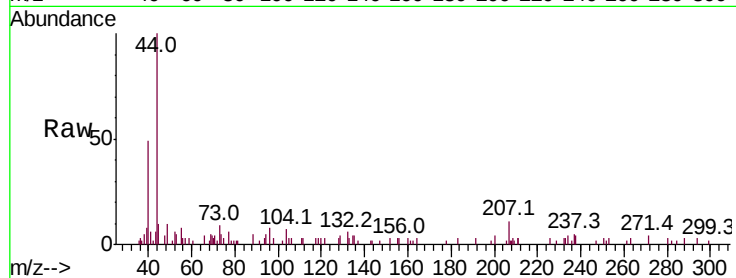
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

Tot Ion: 94 Resp: 930

Ion Ratio Lower Upper

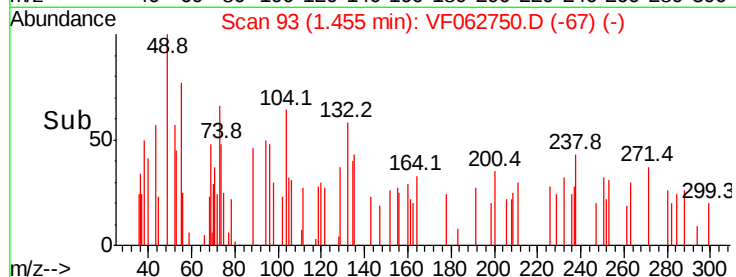
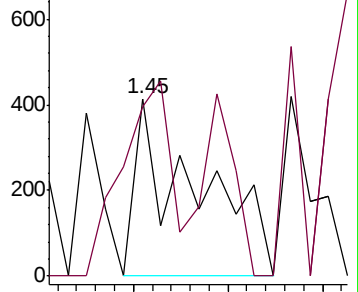
94 100

96 95.7 73.2 109.8

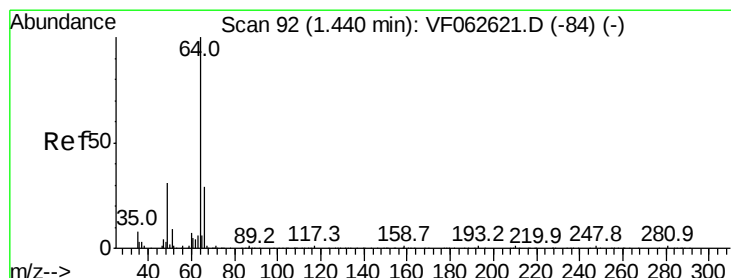


Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time-->



#6

Chloroethane

Concen: 133.888 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.03 min

Lab File: VF062750.D

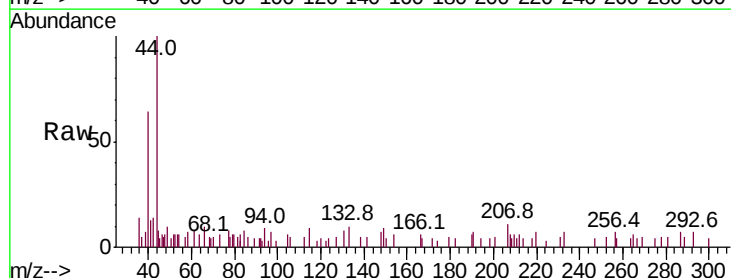
Acq: 24 May 2019 16:51

Tgt Ion: 64 Resp: 190

Ion Ratio Lower Upper

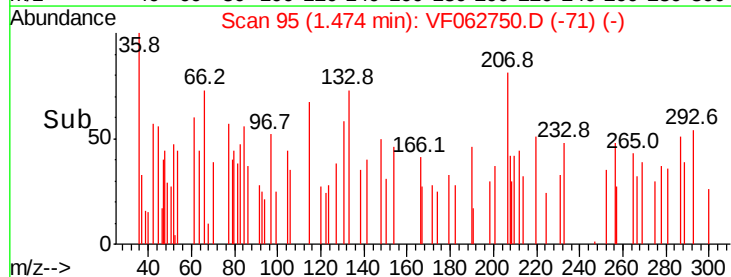
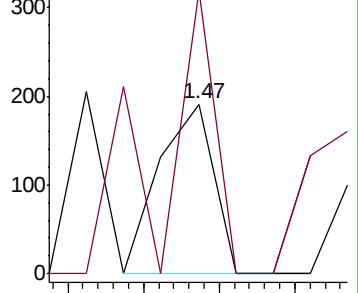
64 100

66 167.0 23.4 35.2#

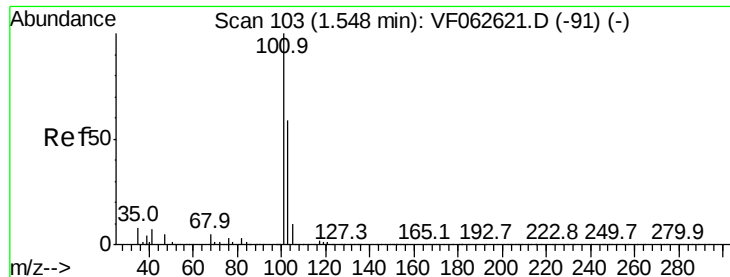


Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



Time-->

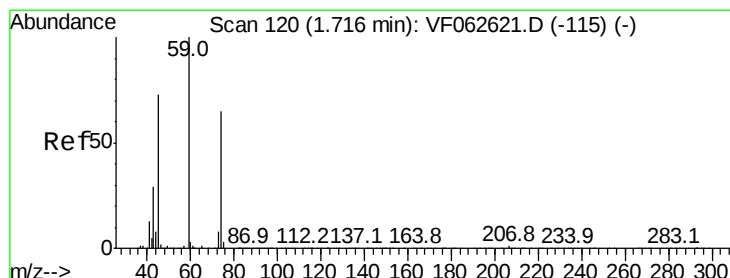
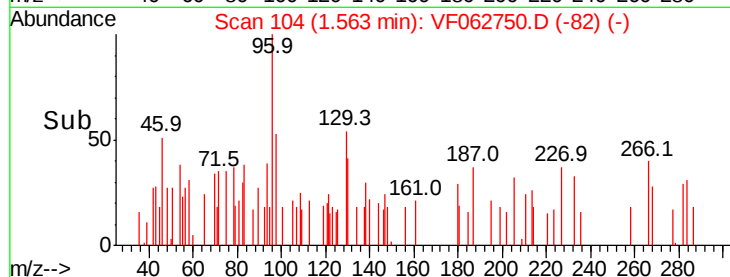
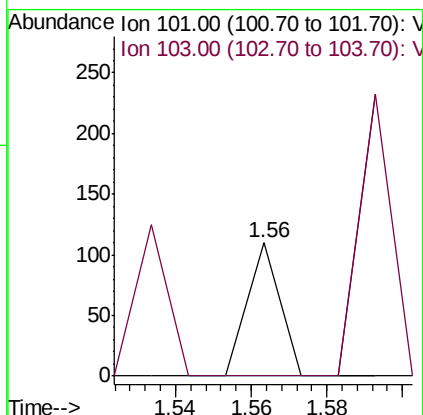
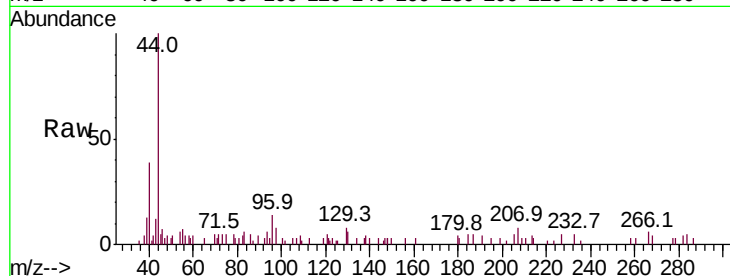


#7

Trichlorofluoromethane
Concen: 12.528 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.02 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

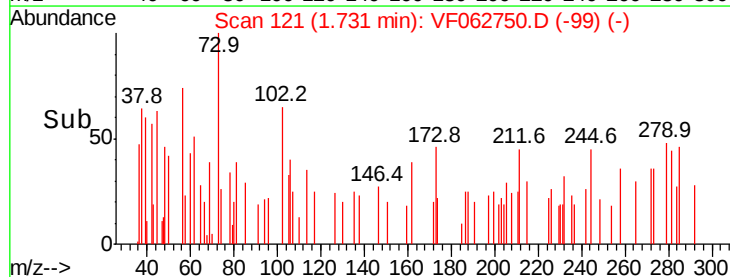
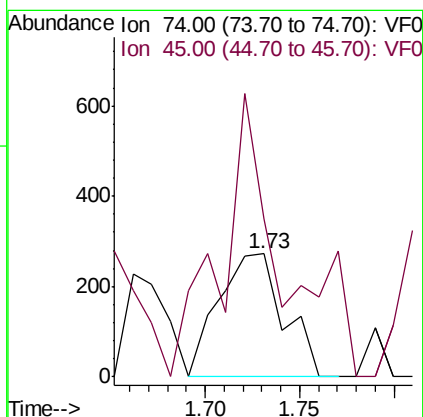
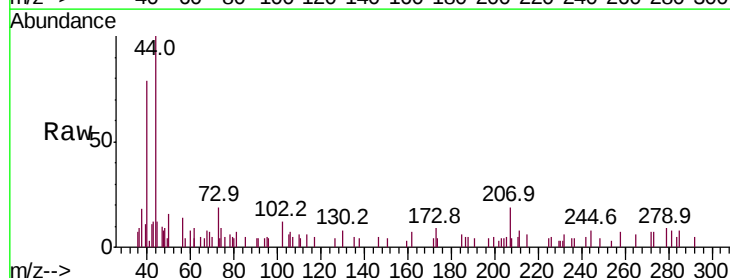
Tot Ion:101 Resp: 65
Ion Ratio Lower Upper
101 100
103 0.0 47.3 70.9#

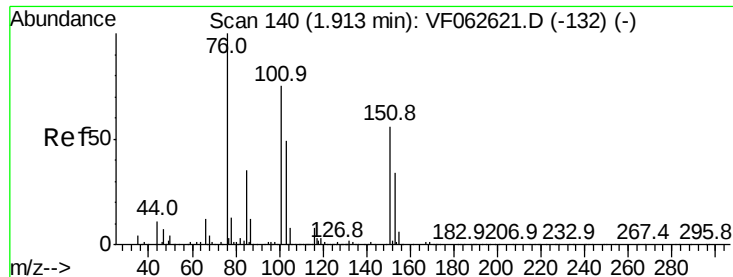


#8

Diethyl Ether
Concen: 633.383 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.02 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 74 Resp: 651
Ion Ratio Lower Upper
74 100
45 128.3 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.373 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

TP-2-S2

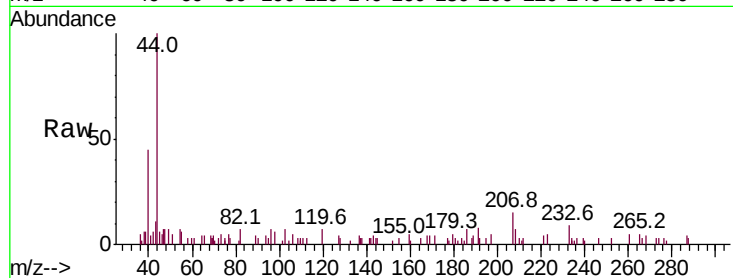
Tot Ion:101 Resp: 64

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

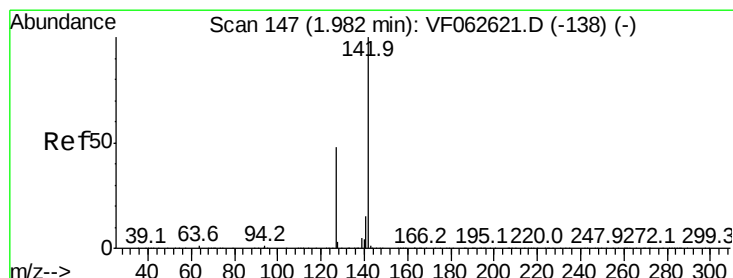
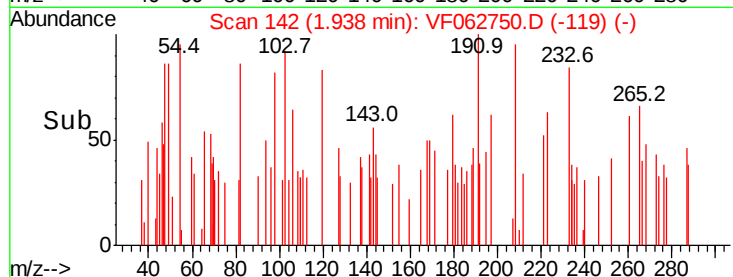
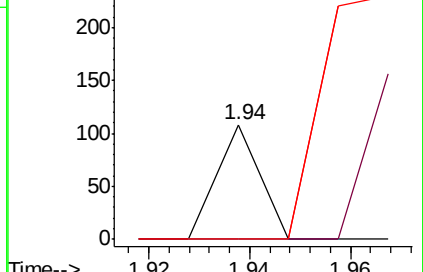
151 0.0 58.8 88.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 46.690 ug/l

RT: 2.02 min Scan# 150

Delta R.T. 0.03 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

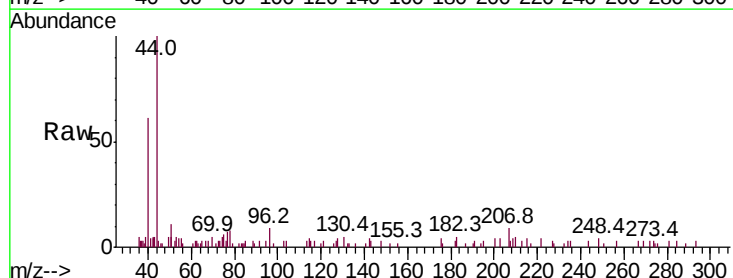
Tgt Ion:142 Resp: 303

Ion Ratio Lower Upper

142 100

127 185.1 38.1 57.1#

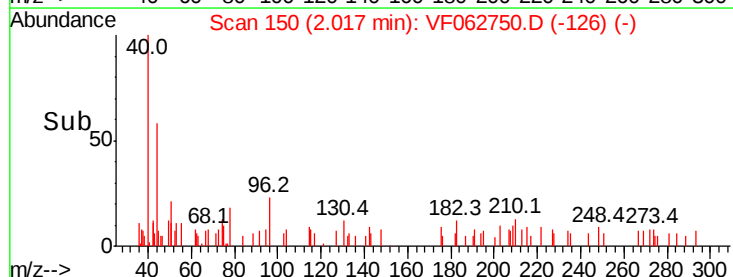
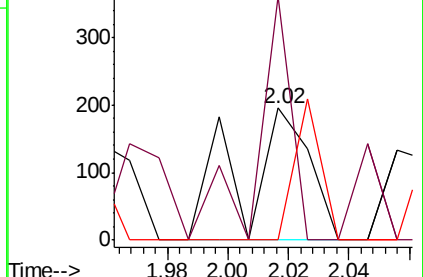
141 0.0 11.7 17.5#

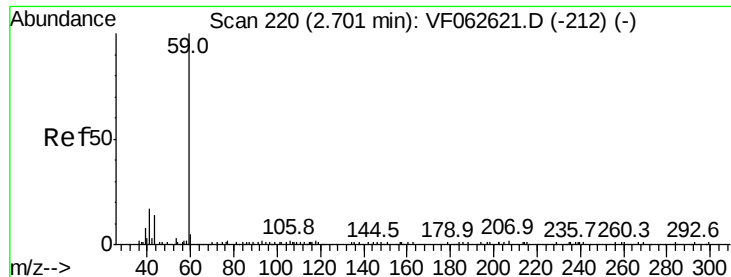


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



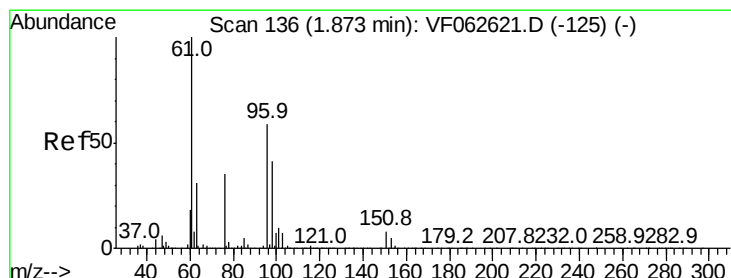
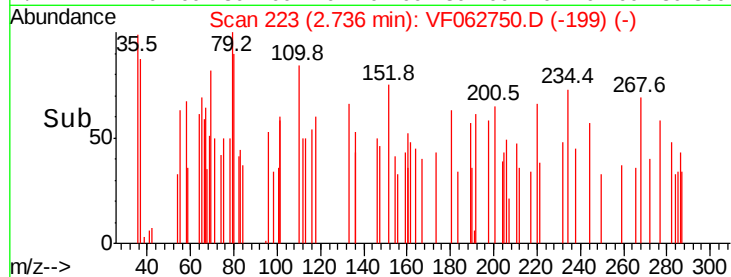
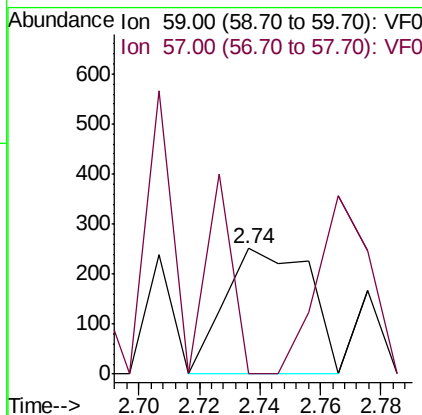
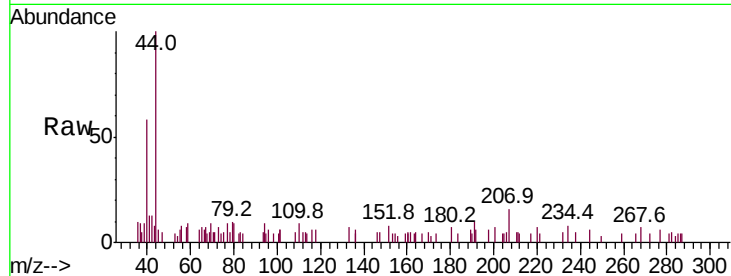


#11

Tert butyl alcohol
 Concen: 3116.013 ug/l
 RT: 2.74 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Instrument :
 MSVOA_F
 ClientSampled :
 TP-2-S2

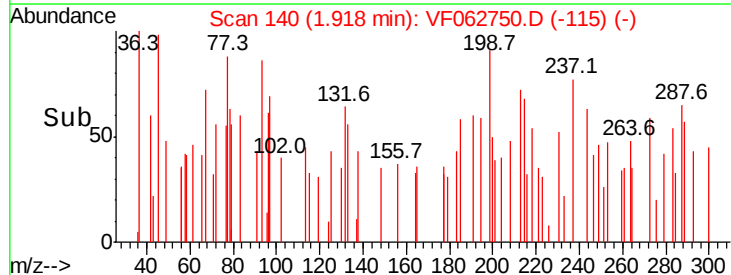
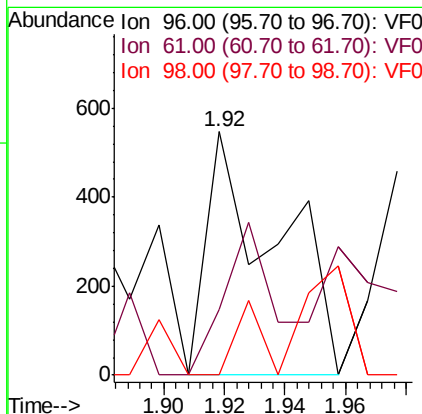
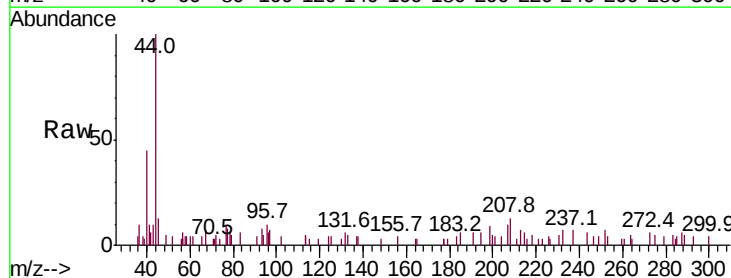
Tot Ion: 59 Resp: 487
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

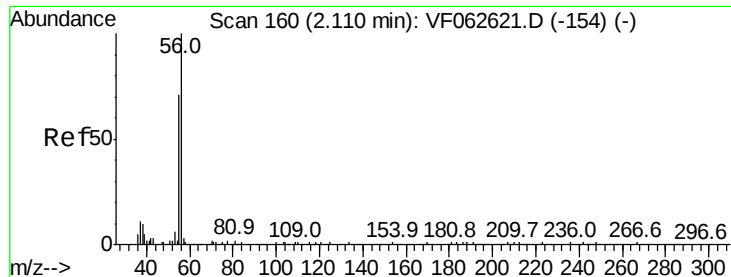


#12

1,1-Dichloroethene
 Concen: 291.753 ug/l
 RT: 1.92 min Scan# 140
 Delta R.T. 0.04 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Tgt Ion: 96 Resp: 878
 Ion Ratio Lower Upper
 96 100
 61 27.1 134.3 201.5#
 98 0.0 55.0 82.6#





#13

Acrolein

Concen: 1520.130 ug/l

RT: 2.04 min Scan# 152

Delta R.T. -0.07 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

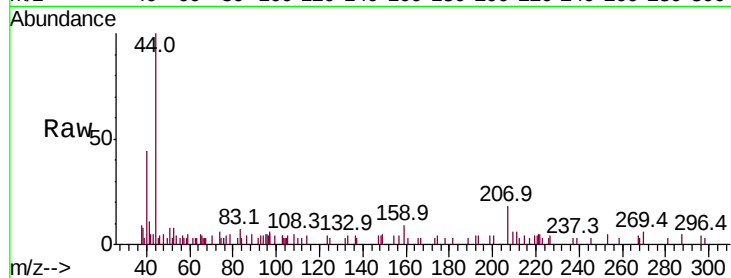
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

Tot Ion: 56 Resp: 248

Ion Ratio Lower Upper

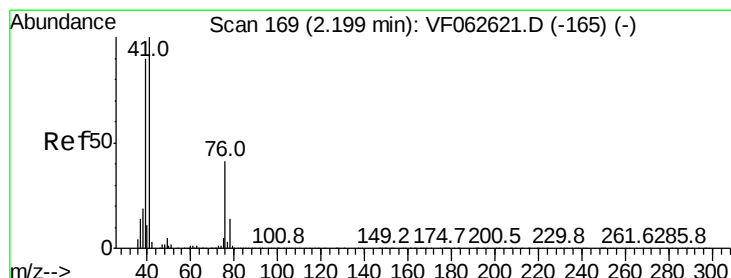
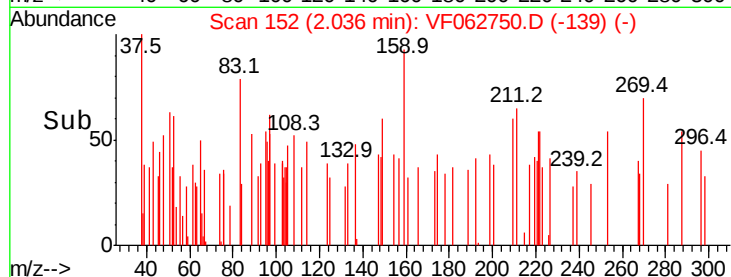
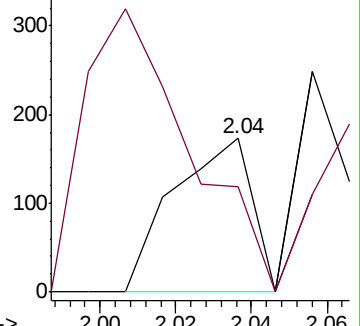
56 100

55 68.8 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 686.573 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

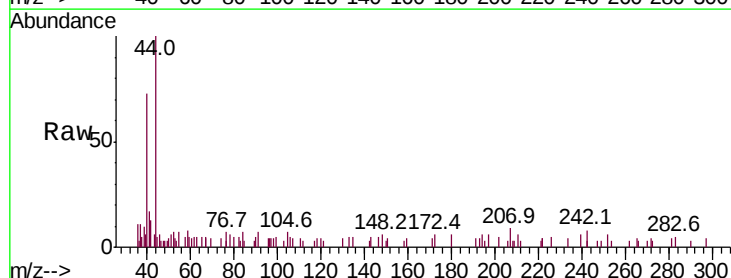
Tgt Ion: 41 Resp: 1870

Ion Ratio Lower Upper

41 100

39 56.3 72.0 108.0#

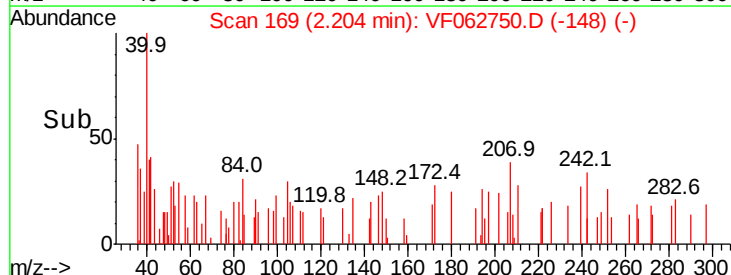
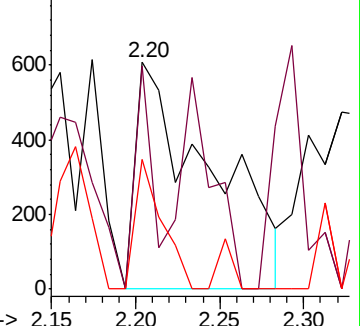
76 32.7 34.8 52.2#

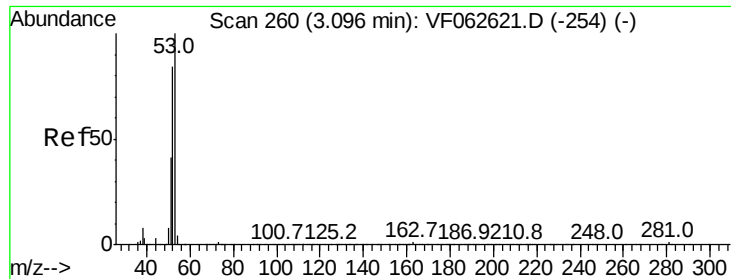


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 2050.513 ug/l

RT: 3.18 min Scan# 268

Delta R.T. 0.08 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

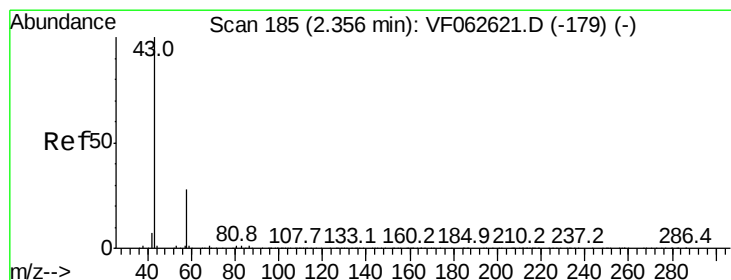
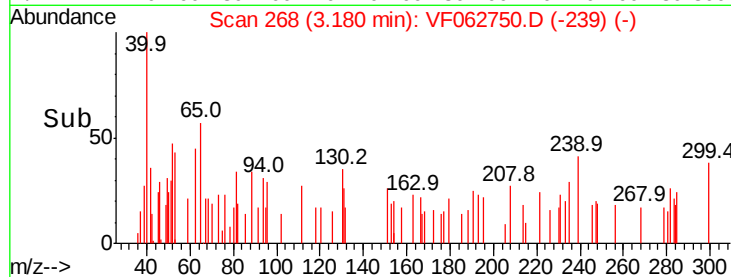
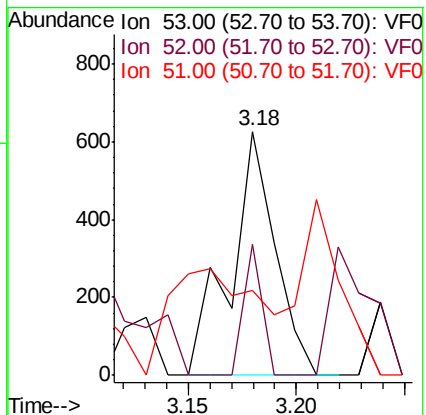
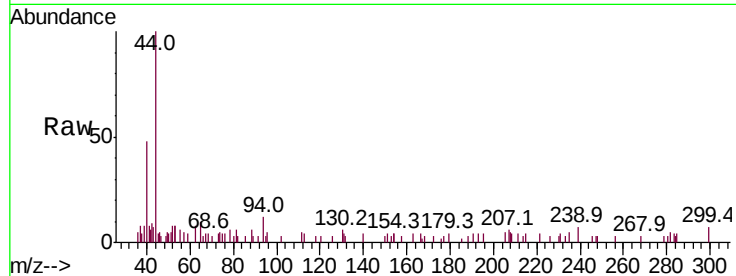
Tot Ion: 53 Resp: 904

Ion Ratio Lower Upper

53 100

52 53.8 67.3 100.9#

51 35.0 33.0 49.6



#16

Acetone

Concen: 2655.714 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062750.D

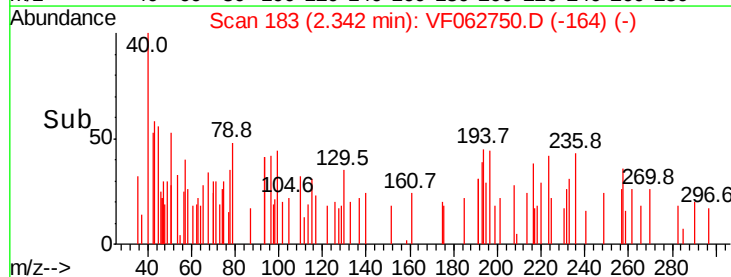
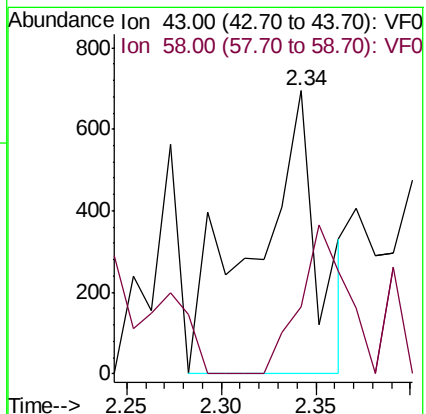
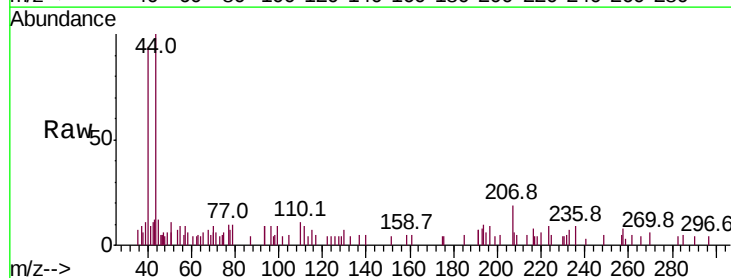
Acq: 24 May 2019 16:51

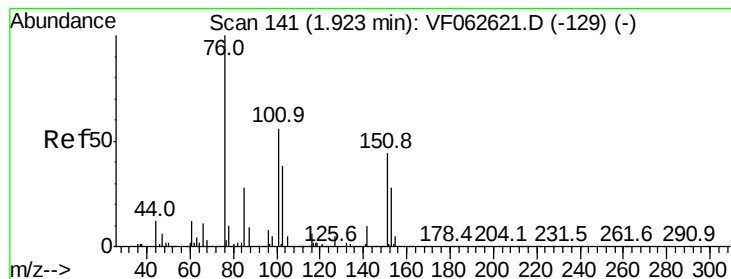
Tgt Ion: 43 Resp: 1631

Ion Ratio Lower Upper

43 100

58 23.6 22.6 33.8





#17

Carbon Disulfide

Concen: 53.589 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.06 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

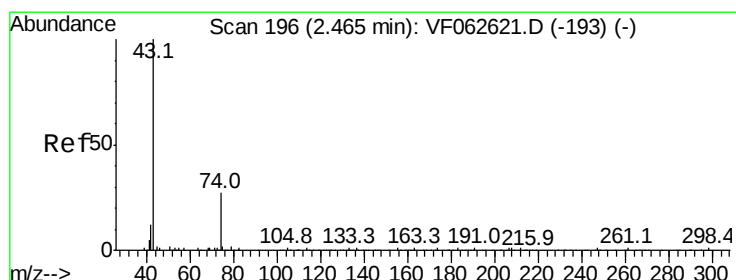
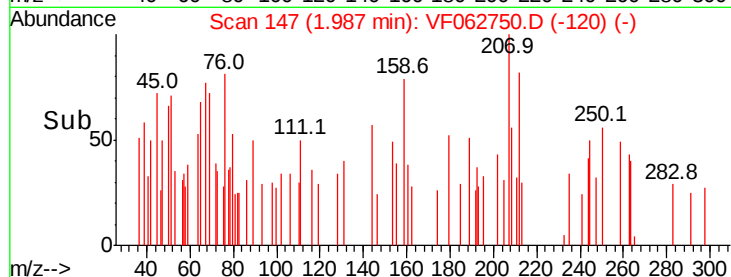
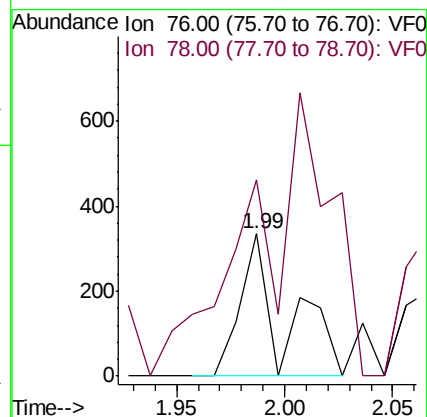
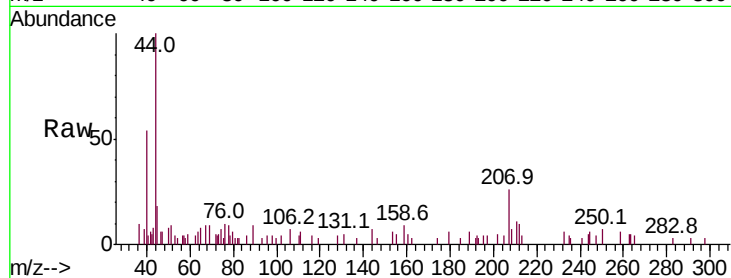
TP-2-S2

Tot Ion: 76 Resp: 478

Ion Ratio Lower Upper

76 100

78 137.6 8.4 12.6#



#18

Methyl Acetate

Concen: 1886.866 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.03 min

Lab File: VF062750.D

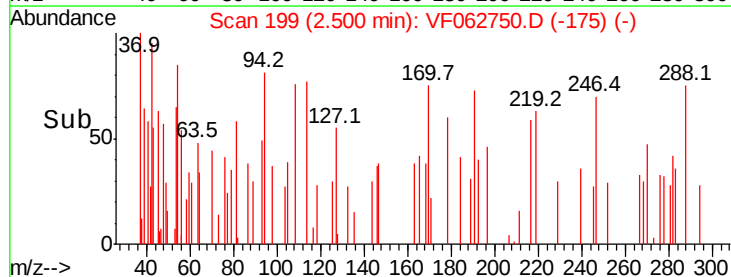
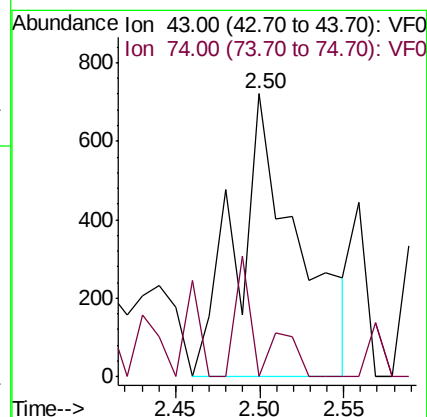
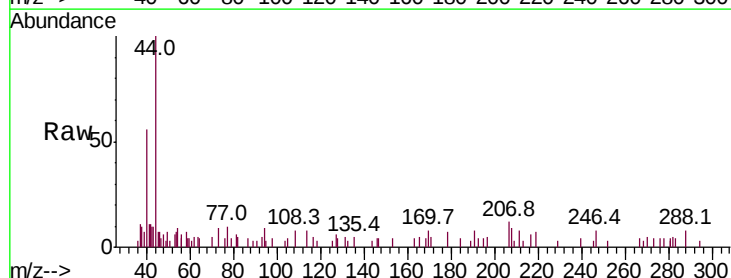
Acq: 24 May 2019 16:51

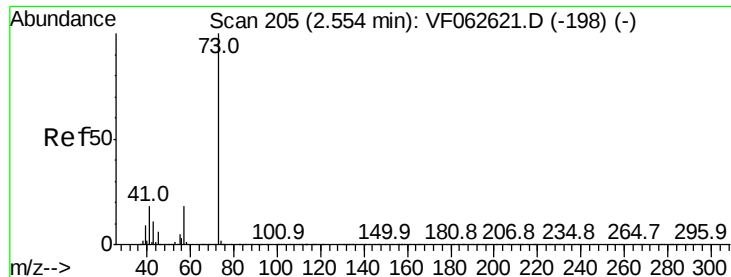
Tgt Ion: 43 Resp: 1821

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



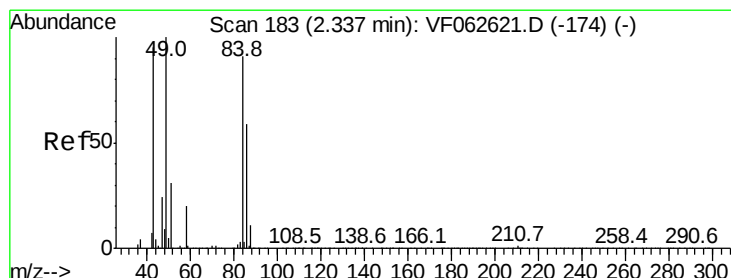
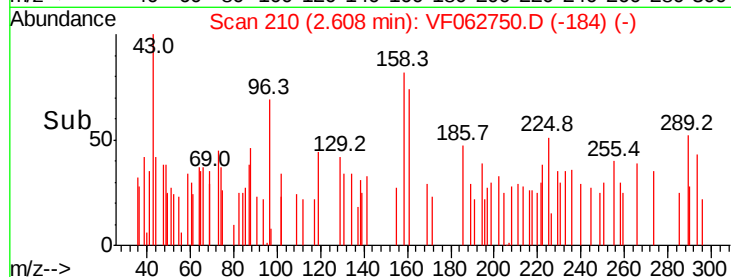
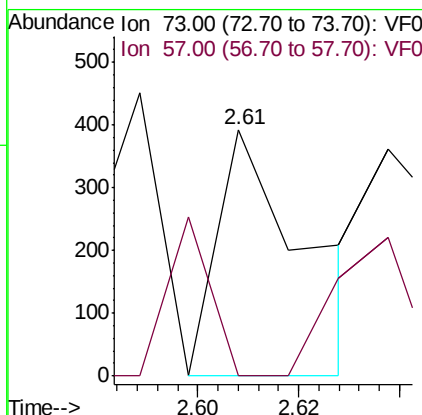
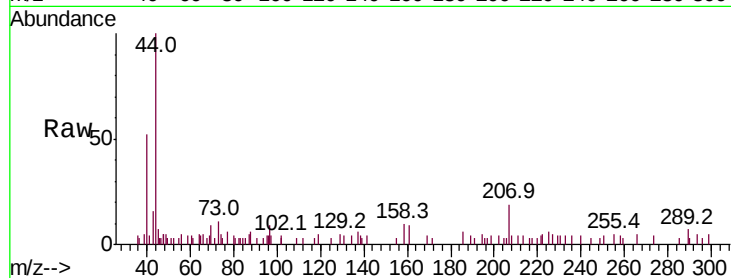


#19

Methyl tert-butyl Ether
 Concen: 88.294 ug/l
 RT: 2.61 min Scan# 210
 Delta R.T. 0.05 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Instrument :
 MSVOA_F
 ClientSampled :
 TP-2-S2

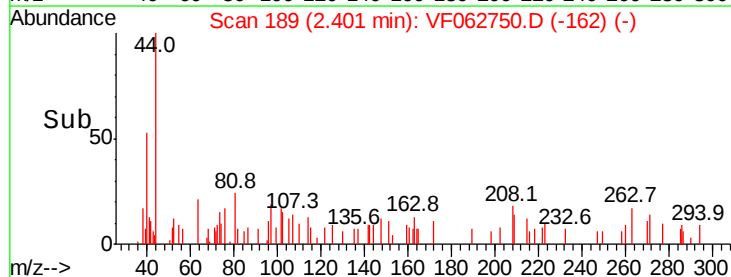
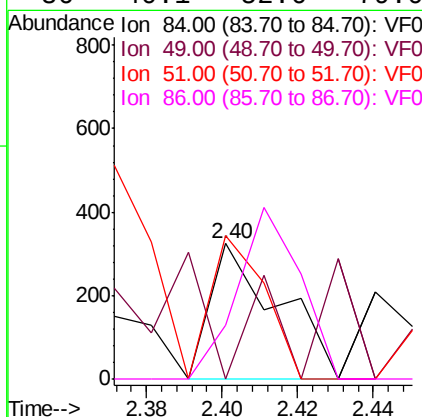
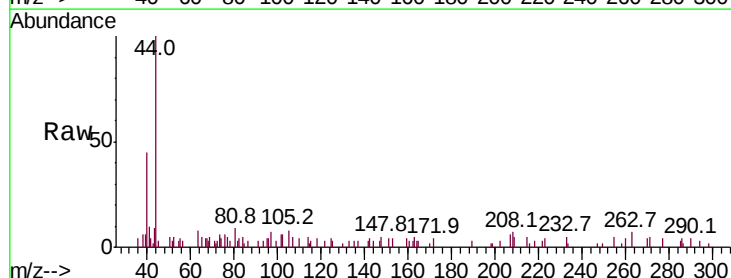
Tot Ion: 73 Resp: 475
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.2 21.4#

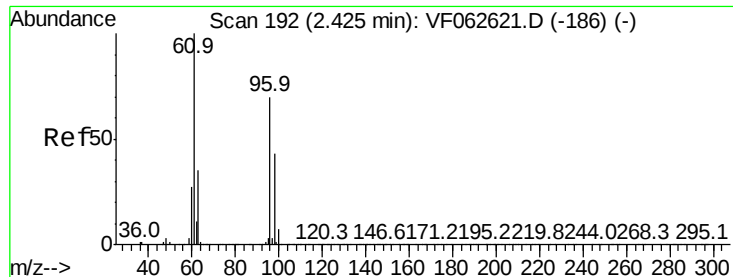


#20

Methylene Chloride
 Concen: 130.913 ug/l
 RT: 2.40 min Scan# 189
 Delta R.T. 0.06 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Tgt Ion: 84 Resp: 403
 Ion Ratio Lower Upper
 84 100
 49 0.0 89.8 134.8#
 51 106.2 28.4 42.6#
 86 40.1 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 283.874 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.03 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

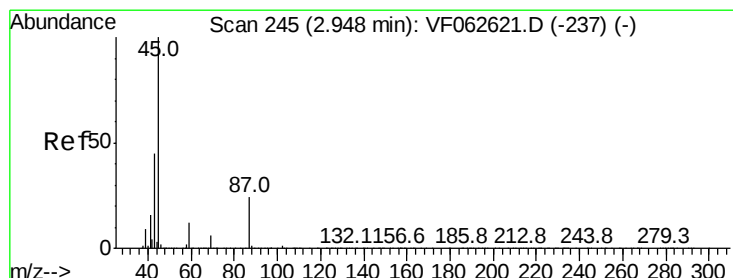
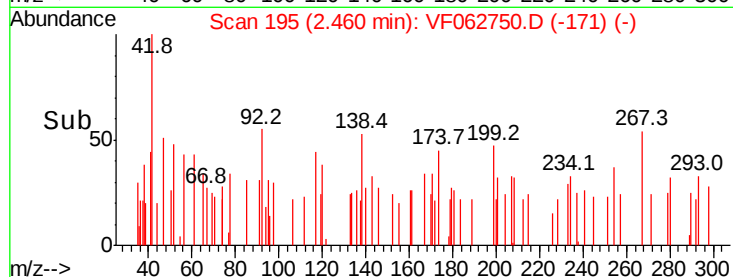
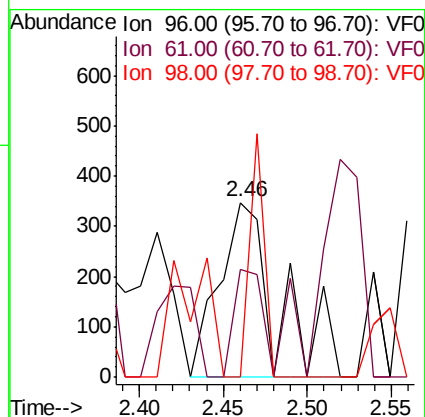
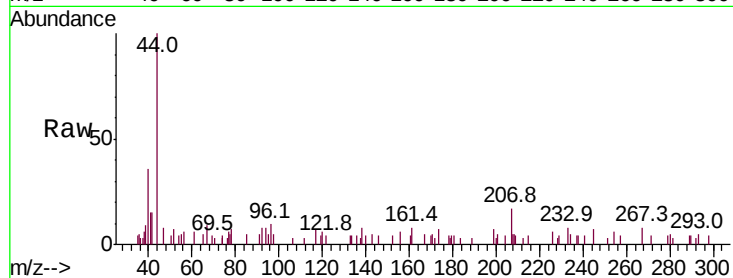
Tot Ion: 96 Resp: 835

Ion Ratio Lower Upper

96 100

61 62.0 114.6 171.8#

98 0.0 49.5 74.3#



#22

Diisopropyl ether

Concen: 153.775 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.09 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Tgt Ion: 45 Resp: 1033

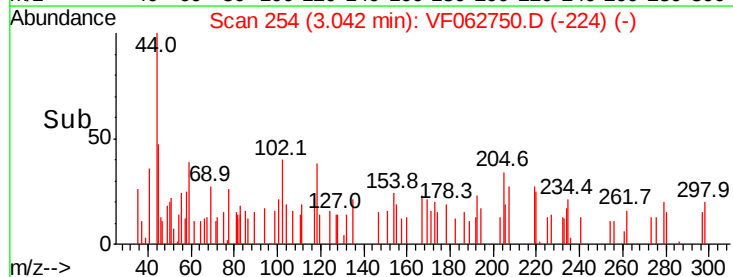
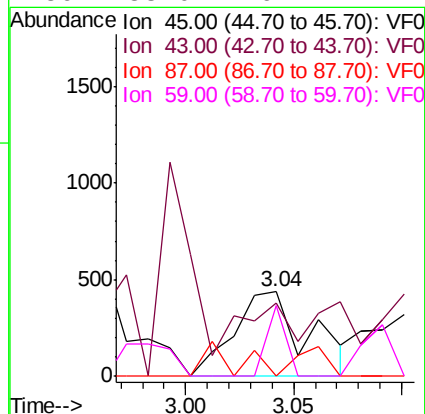
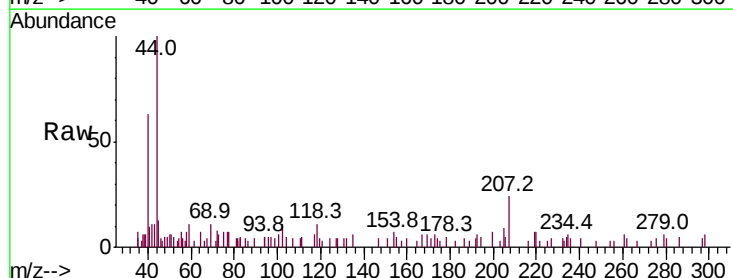
Ion Ratio Lower Upper

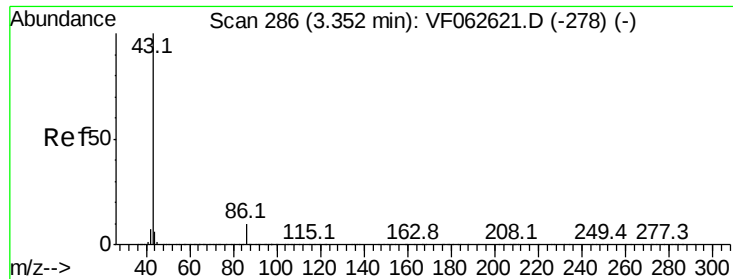
45 100

43 87.2 36.4 54.6#

87 0.0 19.3 28.9#

59 83.0 9.4 14.2#

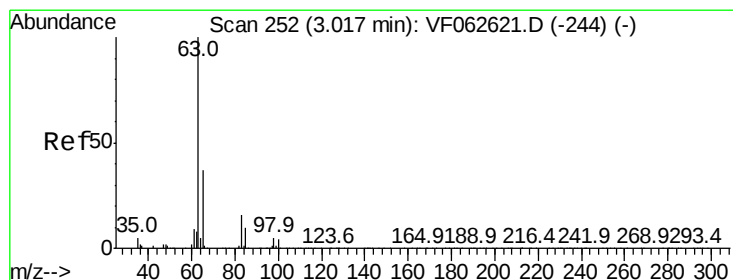
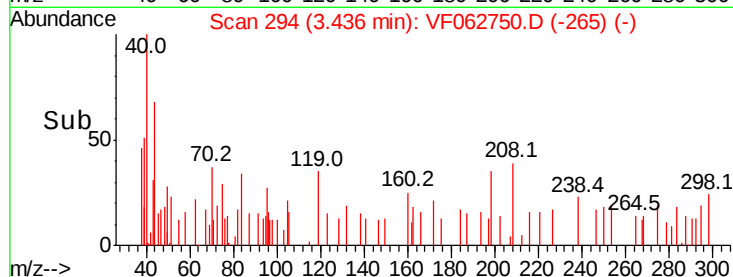
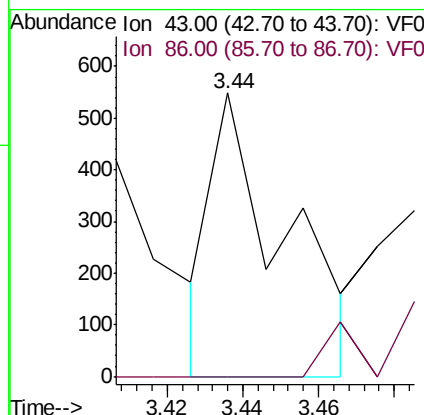
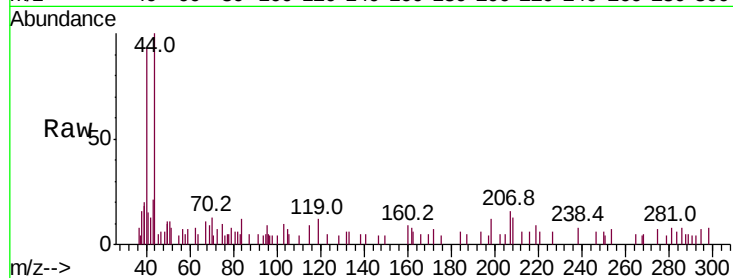




#23
 Vinyl Acetate
 Concen: 161.756 ug/l
 RT: 3.44 min Scan# 294
 Delta R.T. 0.08 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

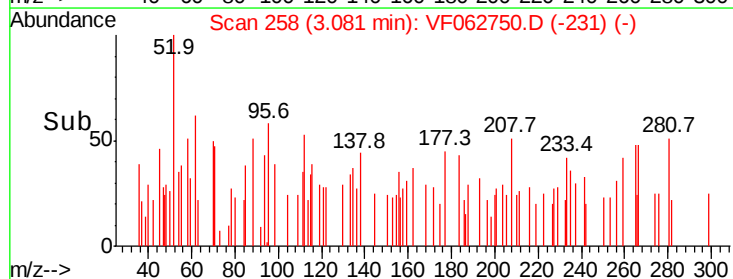
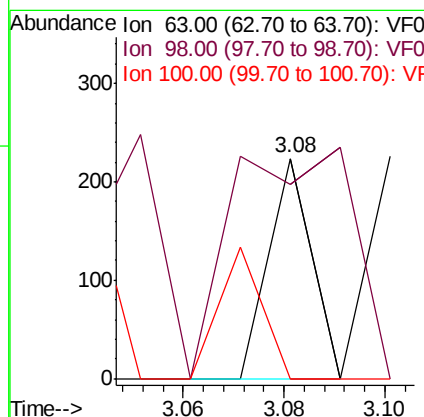
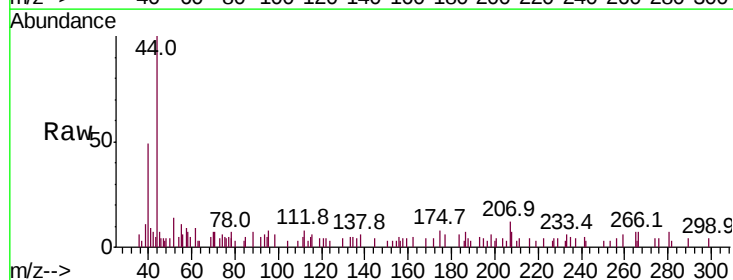
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2-S2

Tot Ion: 43 Resp: 733
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#24
 1,1-Dichloroethane
 Concen: 26.785 ug/l
 RT: 3.08 min Scan# 258
 Delta R.T. 0.06 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Tgt Ion: 63 Resp: 132
 Ion Ratio Lower Upper
 63 100
 98 87.9 2.8 8.3#
 100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 378.013 ug/l

RT: 4.67 min Scan# 419

Delta R.T. 0.13 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

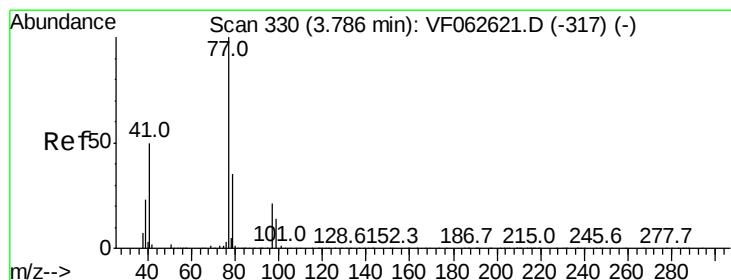
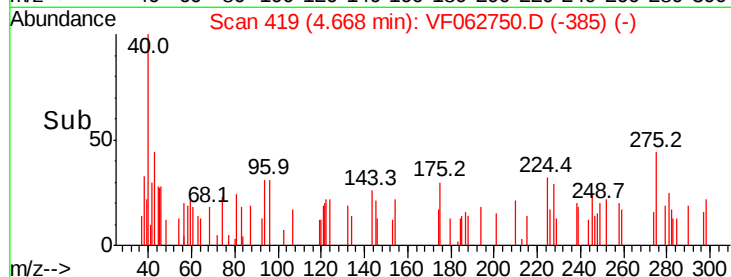
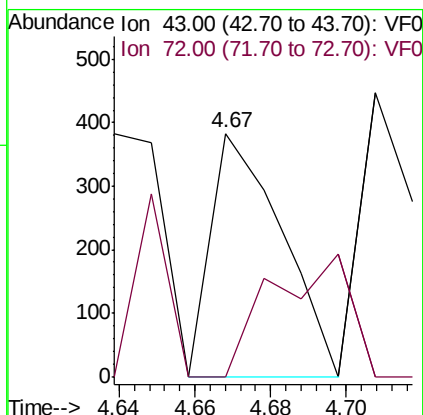
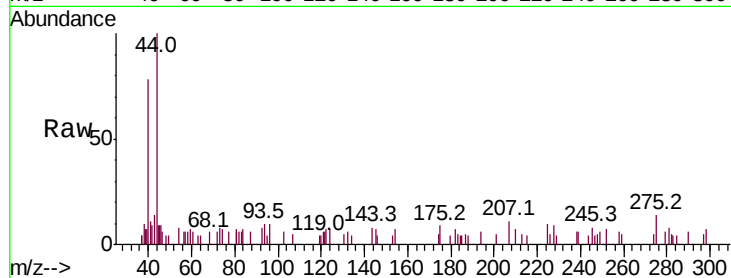
TP-2-S2

Tot Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 113.135 ug/l

RT: 3.90 min Scan# 341

Delta R.T. 0.11 min

Lab File: VF062750.D

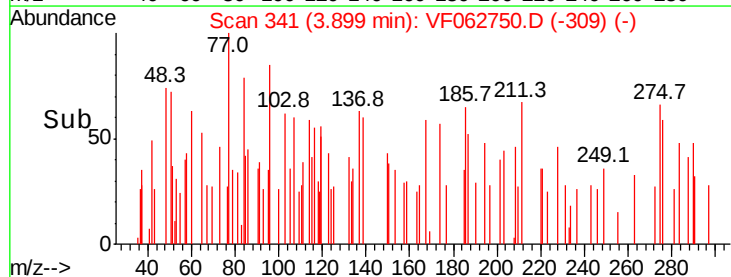
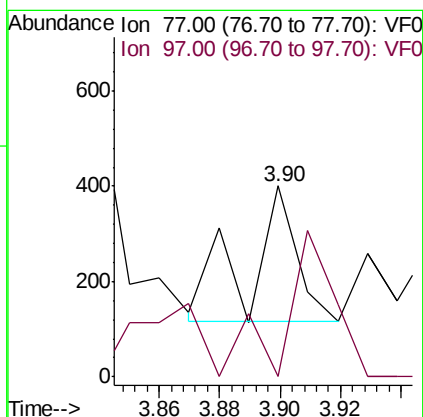
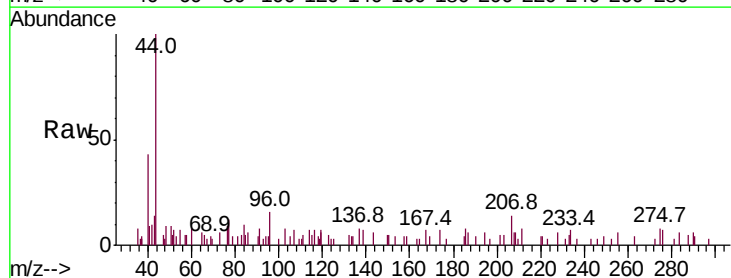
Acq: 24 May 2019 16:51

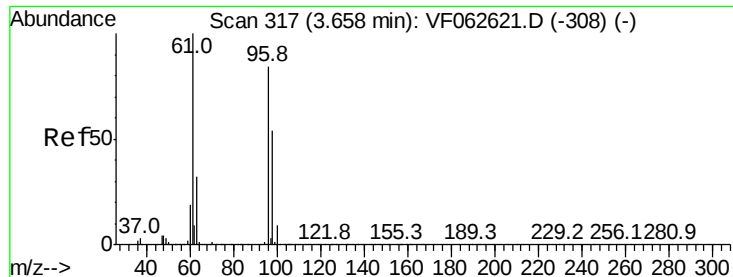
Tgt Ion: 77 Resp: 319

Ion Ratio Lower Upper

77 100

97 0.0 14.1 42.4#



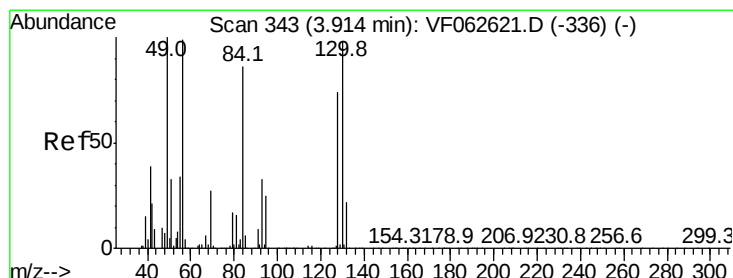
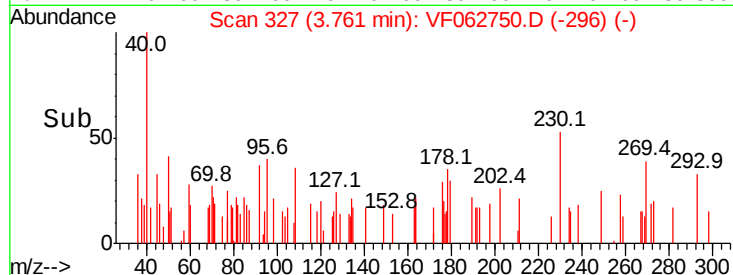
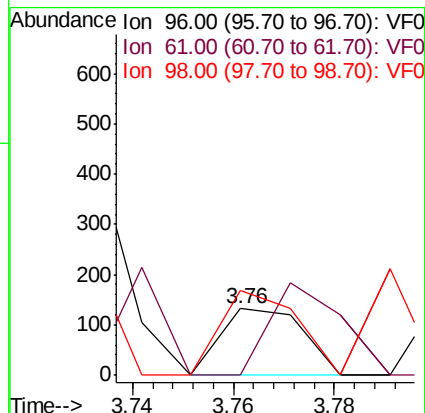
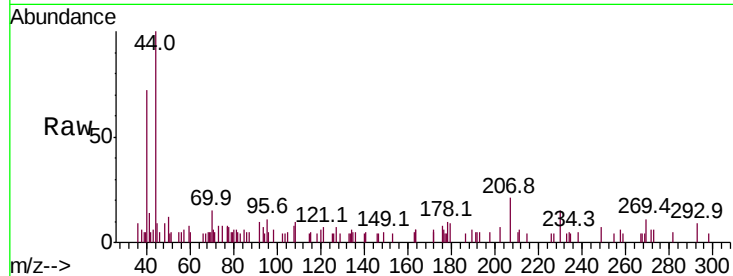


#27

cis-1,2-Dichloroethene
Concen: 31.002 ug/l
RT: 3.76 min Scan# 327
Delta R.T. 0.10 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

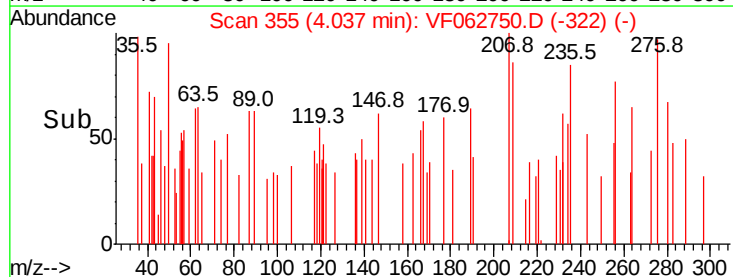
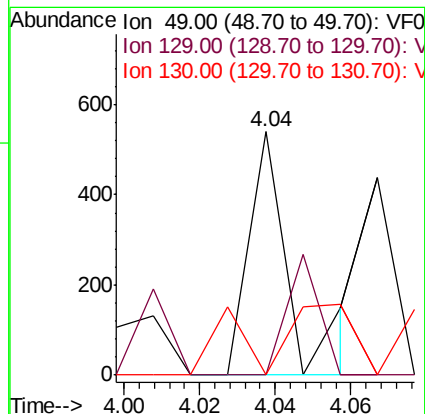
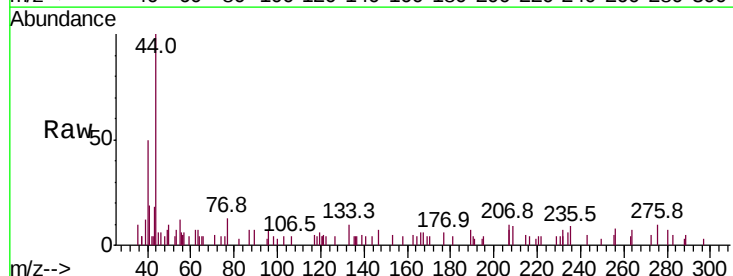
Tot Ion: 96 Resp: 150
Ion Ratio Lower Upper
96 100
61 0.0 0.0 237.4
98 128.0 0.0 129.0

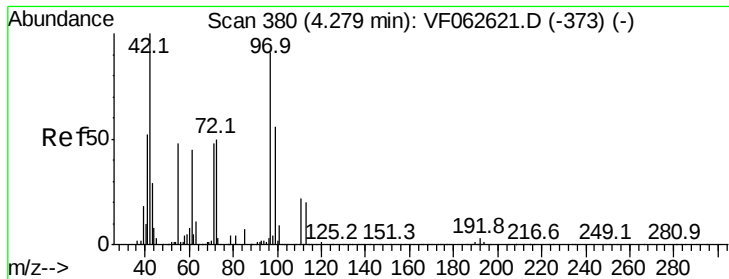


#28

Bromochloromethane
Concen: 147.619 ug/l
RT: 4.04 min Scan# 355
Delta R.T. 0.12 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 49 Resp: 408
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 77.8 116.8#





#29

Tetrahydrofuran

Concen: 824.904 ug/l

RT: 4.38 min Scan# 390

Delta R.T. 0.10 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :
MSVOA_F
ClientSampled :
TP-2-S2

Tot Ion: 42 Resp: 438

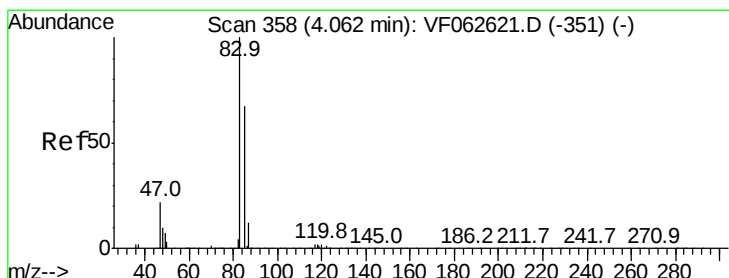
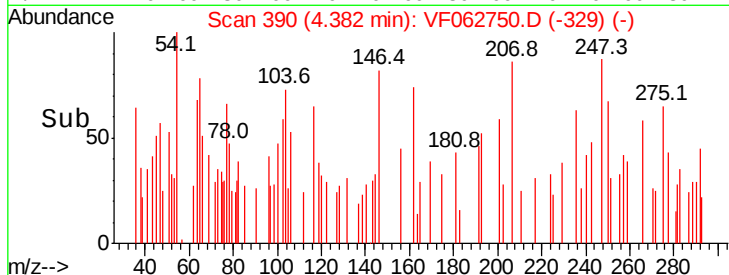
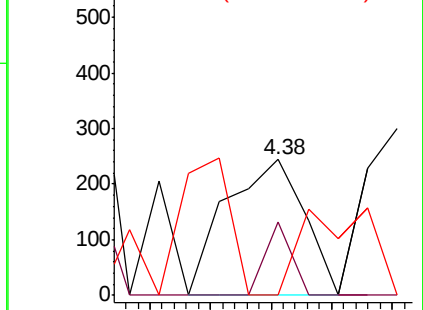
Ion	Ratio	Lower	Upper
42	100		
72	17.6	38.2	57.2#
71	78.8	35.8	53.6#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 50.715 ug/l

RT: 4.15 min Scan# 366

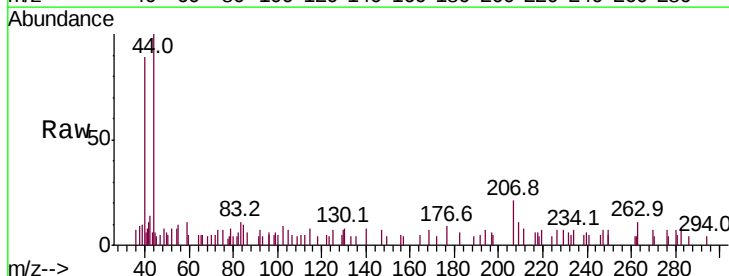
Delta R.T. 0.08 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

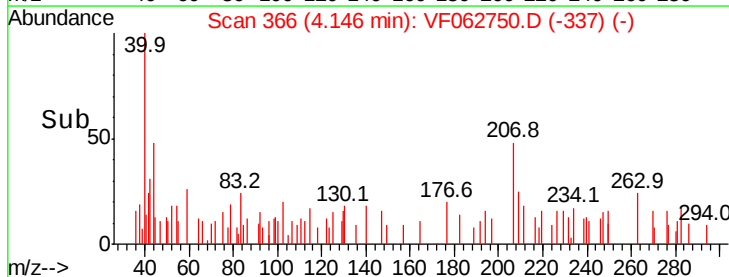
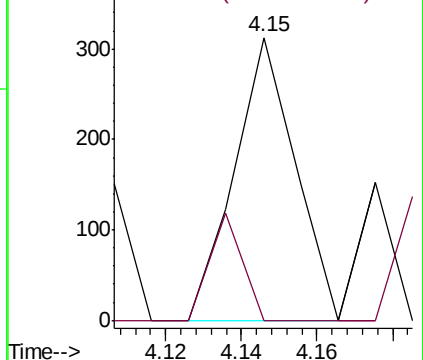
Tgt Ion: 83 Resp: 347

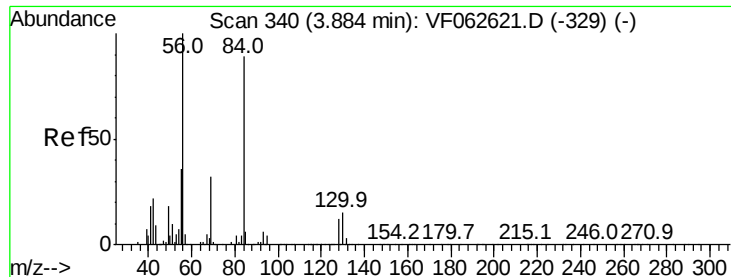
Ion	Ratio	Lower	Upper
83	100		
85	0.0	53.6	80.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

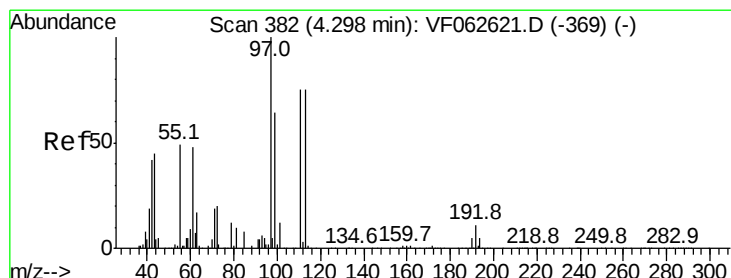
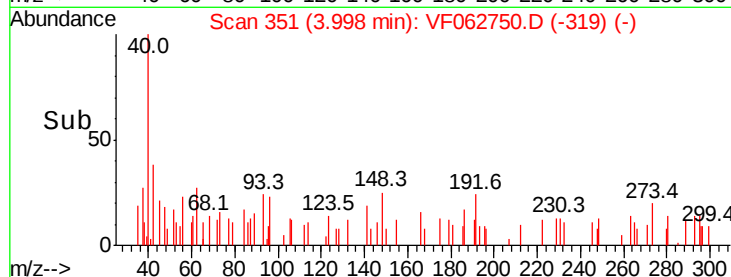
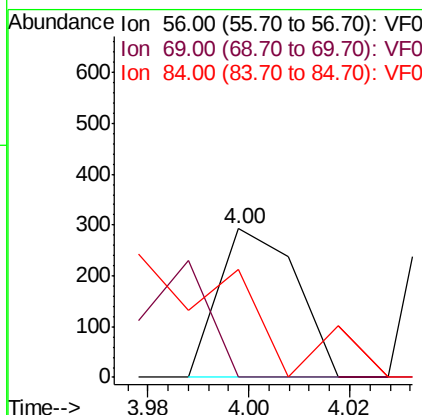
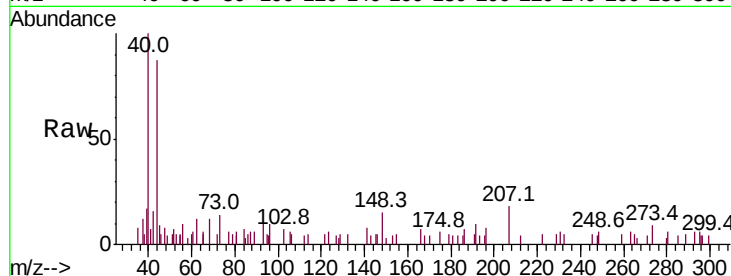




#31
Cyclohexane
Concen: 47.454 ug/l
RT: 4.00 min Scan# 351
Delta R.T. 0.11 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

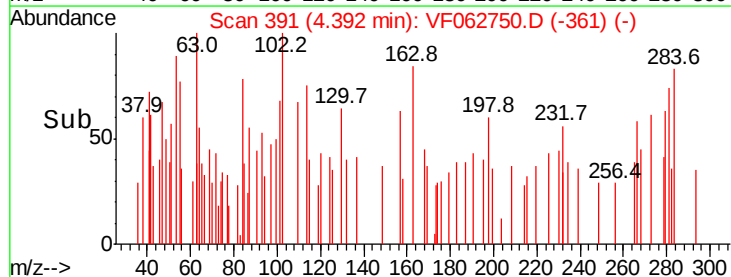
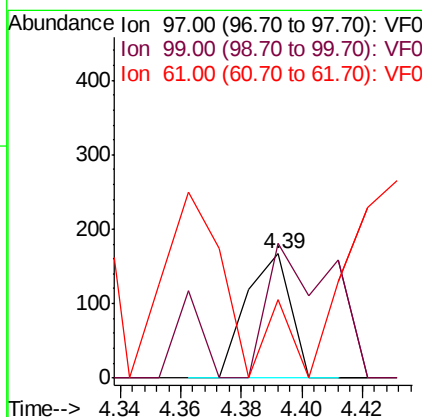
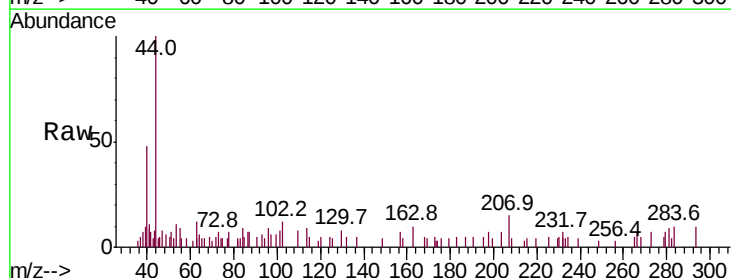
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

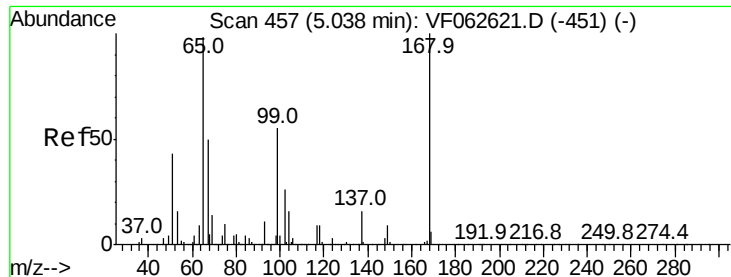
Tot Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 107.2 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 37.192 ug/l
RT: 4.39 min Scan# 391
Delta R.T. 0.09 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 97 Resp: 169
Ion Ratio Lower Upper
97 100
99 108.4 51.3 76.9#
61 63.5 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 93.779 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.12 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

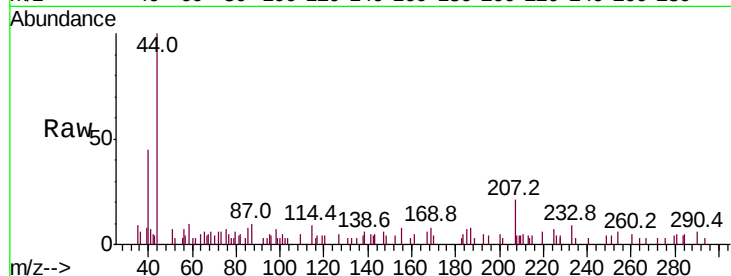
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

Tot Ion: 65 Resp: 222

Ion Ratio Lower Upper

65 100

67 89.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

300

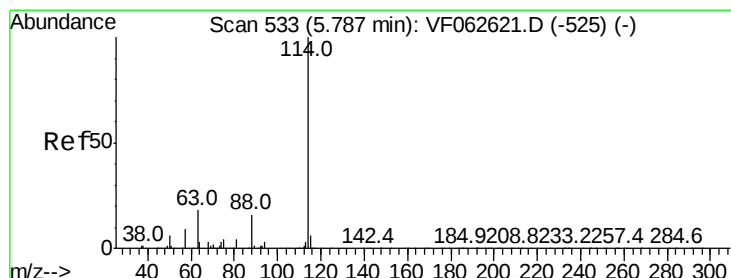
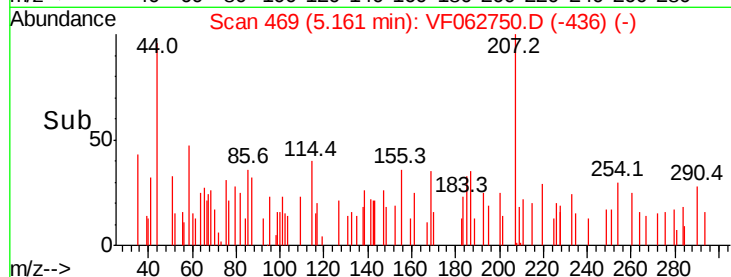
200

100

0

5.14 5.16 5.18 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.96 min Scan# 550

Delta R.T. 0.17 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

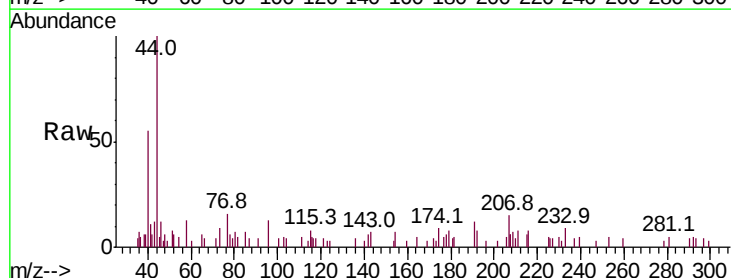
Tgt Ion: 114 Resp: 59

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

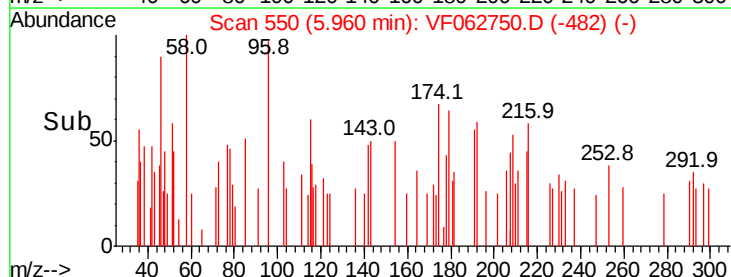
200

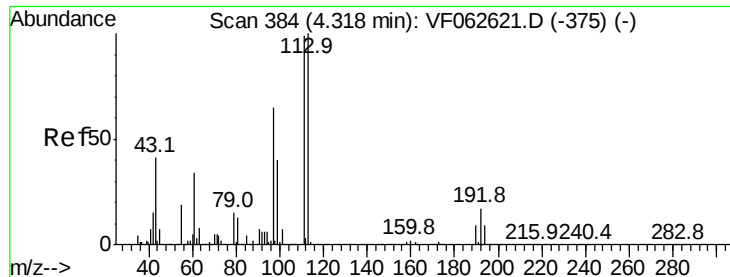
100

0

5.94 5.96 5.98

Time-->





#35

Dibromofluoromethane

Concen: 194.919 ug/l

RT: 4.45 min Scan# 397

Delta R.T. 0.13 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

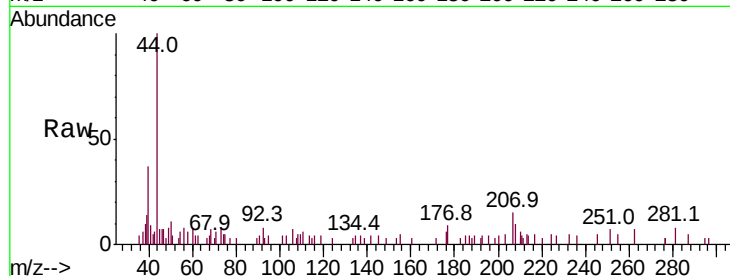
Tot Ion:113 Resp: 88

Ion Ratio Lower Upper

113 100

111 0.0 79.4 119.2#

192 172.5 13.4 20.2#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

300

200

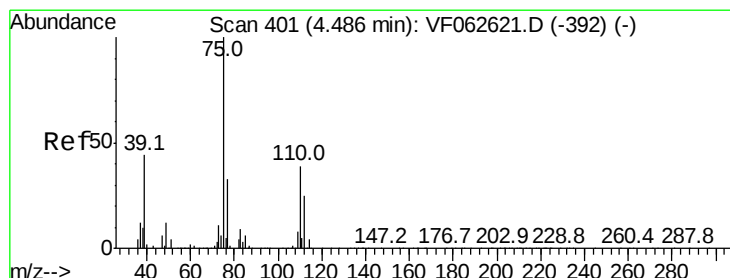
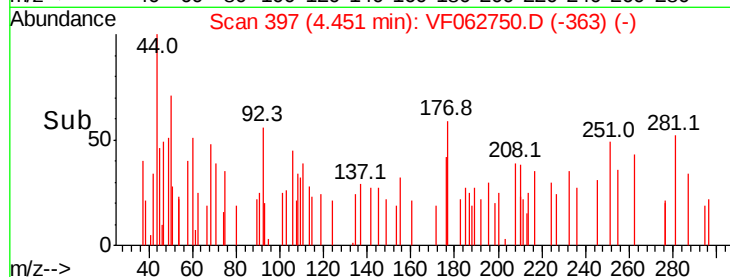
100

0

4.44 4.45 4.46

4.45

Time-->



#36

1,1-Dichloropropene

Concen: 610.354 ug/l

RT: 4.69 min Scan# 421

Delta R.T. 0.20 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

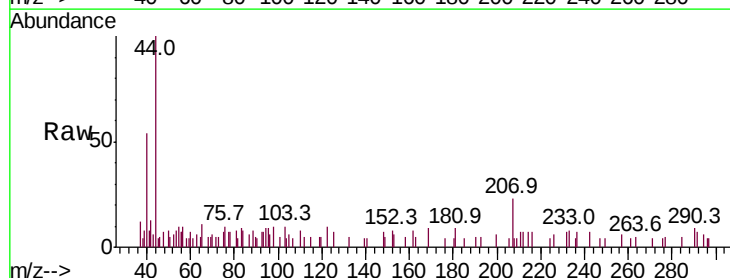
Tgt Ion: 75 Resp: 369

Ion Ratio Lower Upper

75 100

110 46.6 19.7 59.1

77 38.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

800

600

400

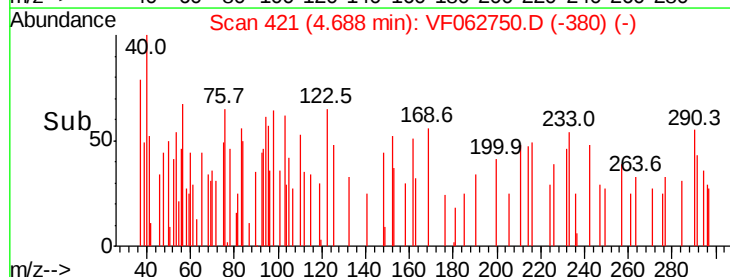
200

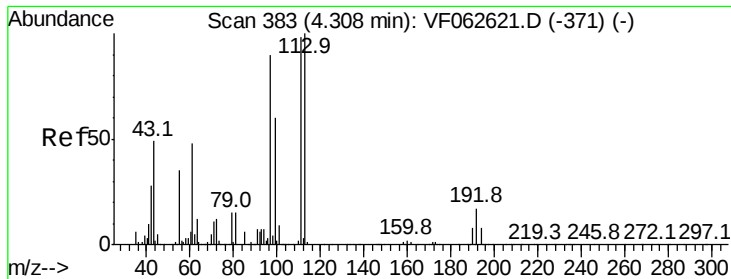
0

4.66 4.68 4.70 4.72

4.69

Time-->

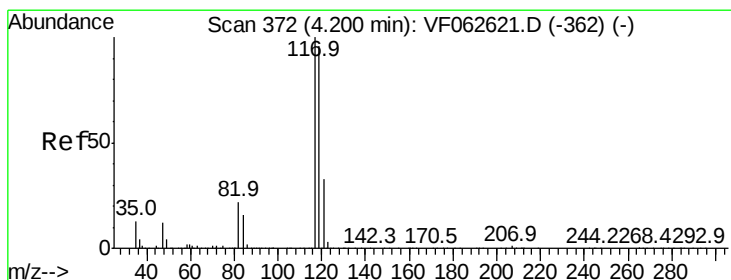
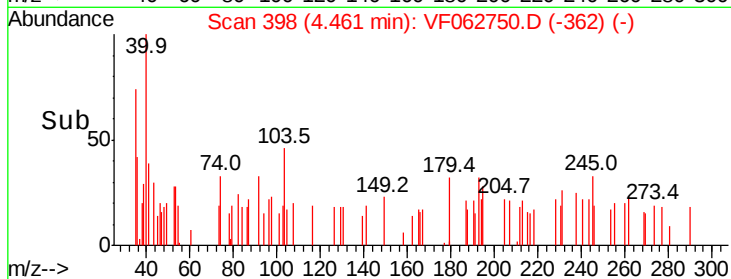
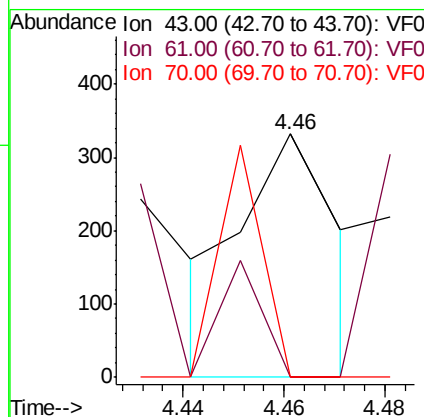
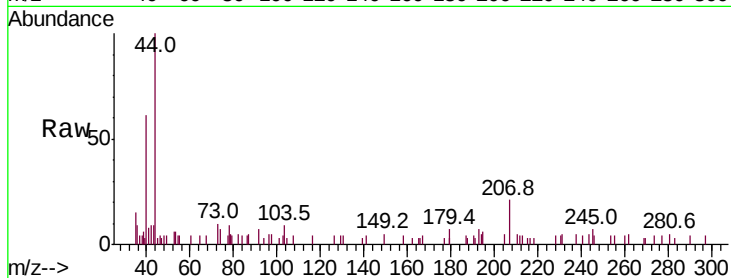




#37
Ethyl Acetate
Concen: 1754.130 ug/l
RT: 4.46 min Scan# 398
Delta R.T. 0.15 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

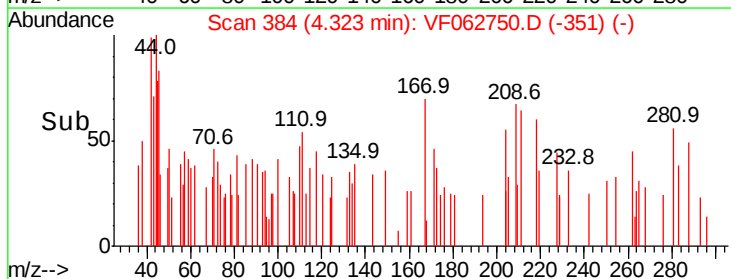
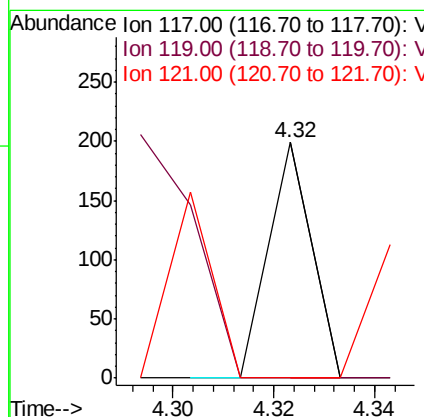
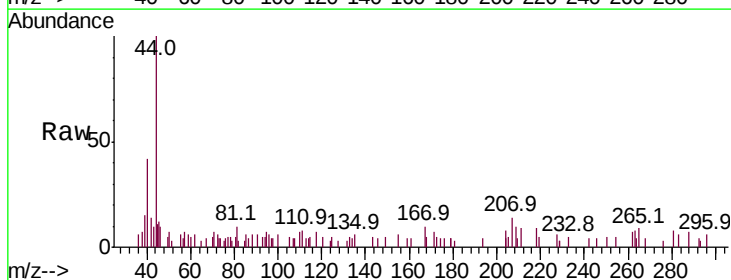
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

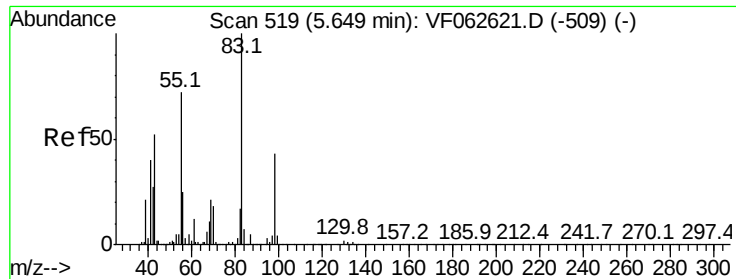
Tot Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
61 0.0 76.9 115.3#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 259.522 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.12 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 117 Resp: 118
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 26.6 40.0#





#39

Methvlcvclohexane

Concen: 475.636 ug/l

RT: 5.81 min Scan# 535

Delta R.T. 0.16 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

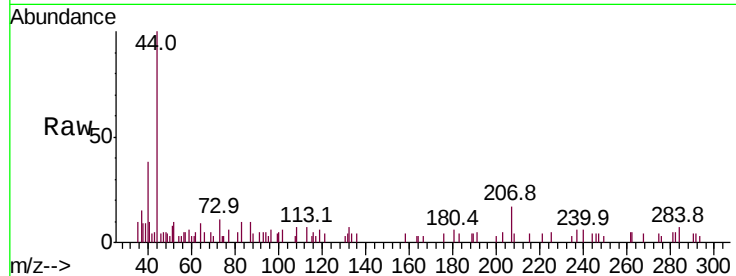
Tot Ion: 83 Resp: 346

Ion Ratio Lower Upper

83 100

55 36.4 57.9 86.9#

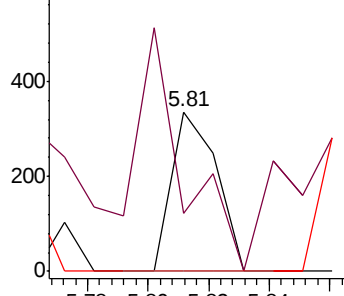
98 0.0 34.6 52.0#



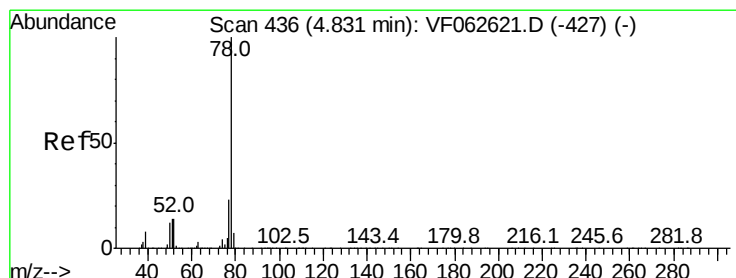
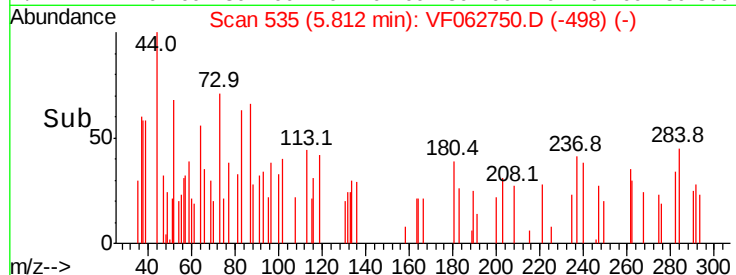
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#40

Benzene

Concen: 105.039 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.12 min

Lab File: VF062750.D

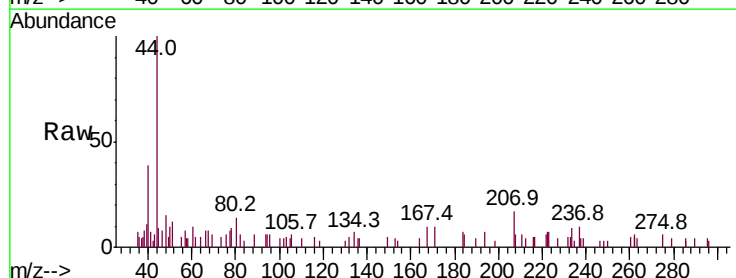
Acq: 24 May 2019 16:51

Tgt Ion: 78 Resp: 173

Ion Ratio Lower Upper

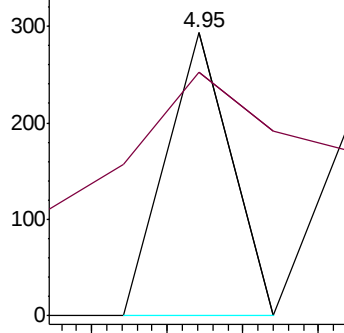
78 100

77 86.3 18.2 27.2#

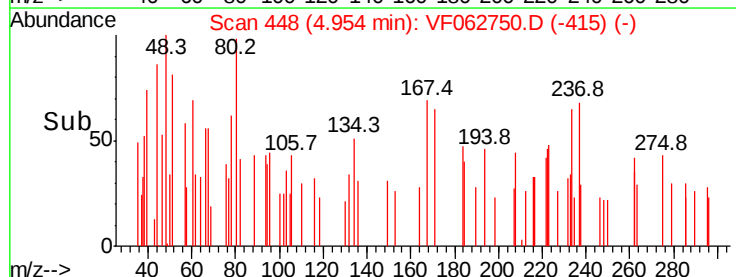


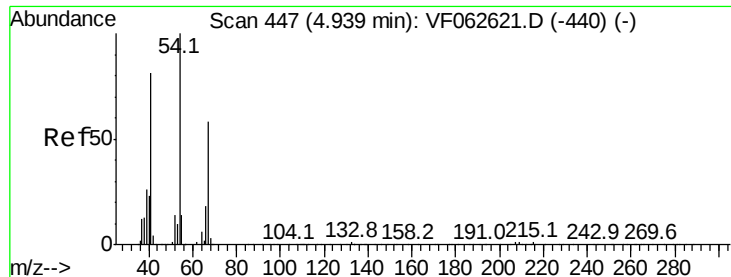
Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->

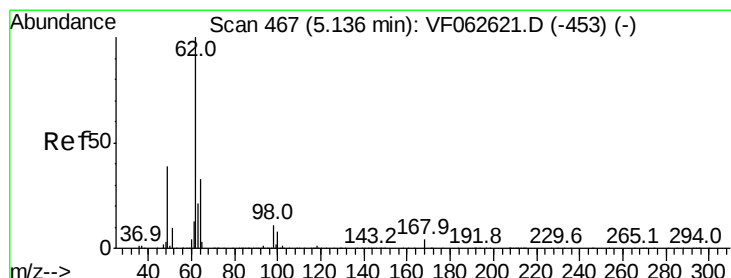
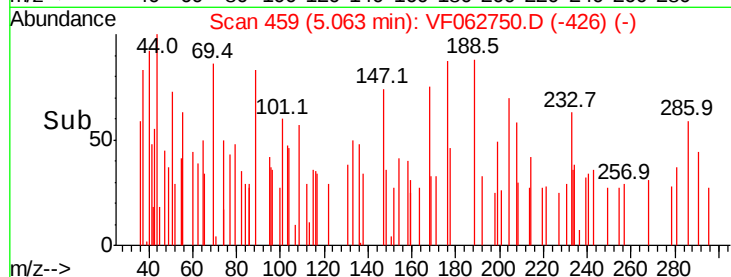
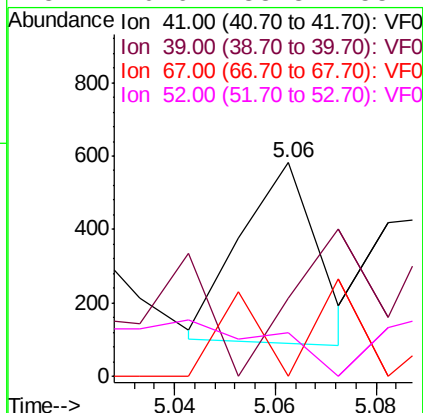
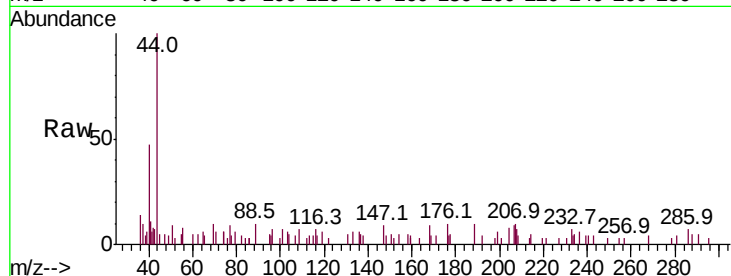




#41
Methacrylonitrile
Concen: 4002.642 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.12 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

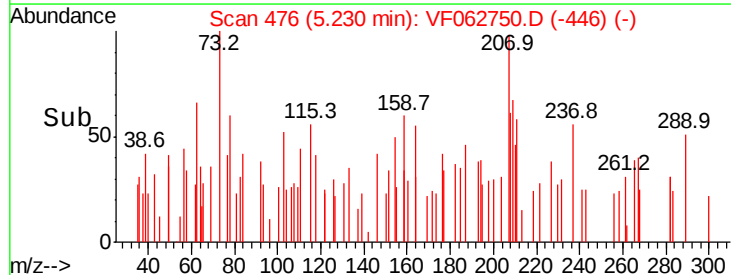
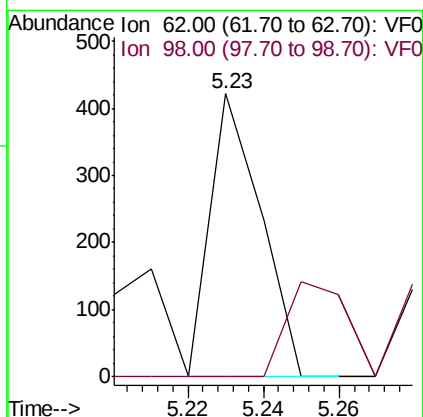
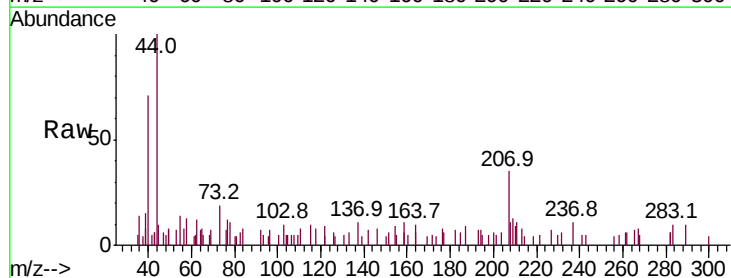
Instrument :
MSVOA_F
ClientSampled :
TP-2-S2

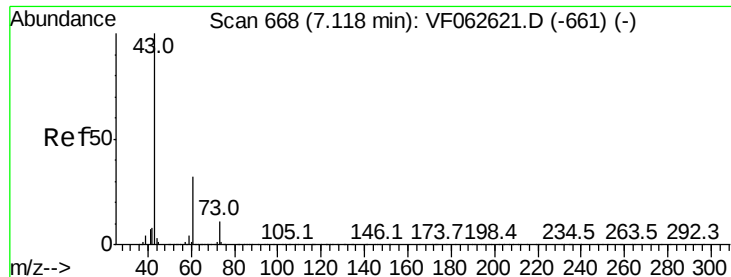
Tot Ion:	41	Resp:	518
Ion	Ratio	Lower	Upper
41	100		
39	36.4	42.2	63.2#
67	0.0	56.4	84.6#
52	20.6	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 1178.299 ug/l
RT: 5.23 min Scan# 476
Delta R.T. 0.09 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion:	62	Resp:	387
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



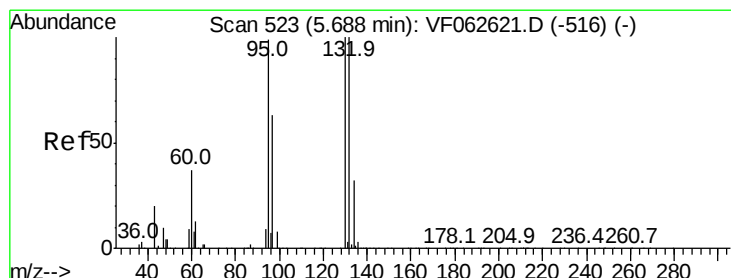
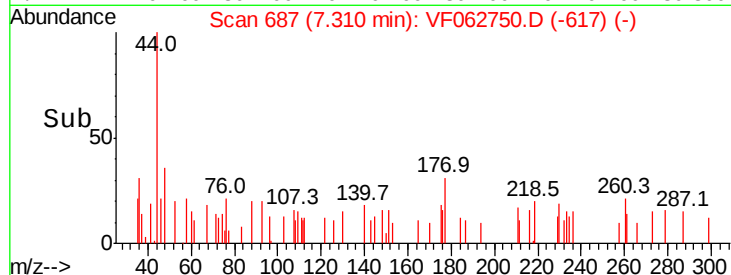
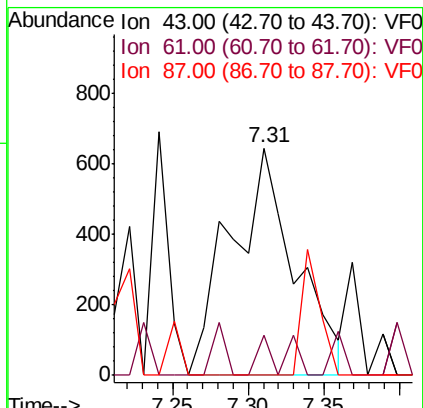
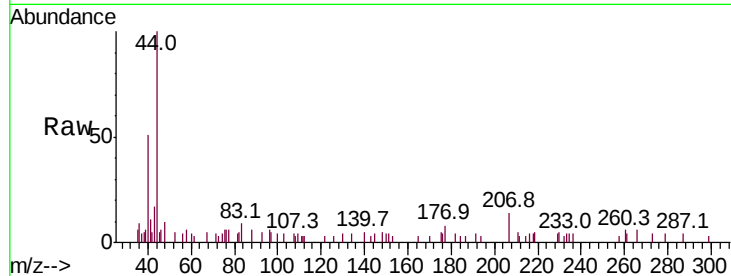


#43

Isopropyl Acetate
 Concen: 6006.910 ug/l
 RT: 7.31 min Scan# 687
 Delta R.T. 0.19 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2-S2

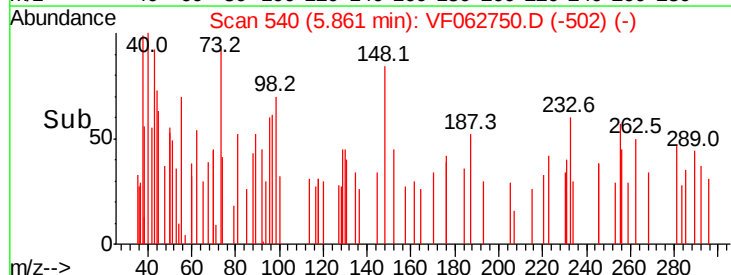
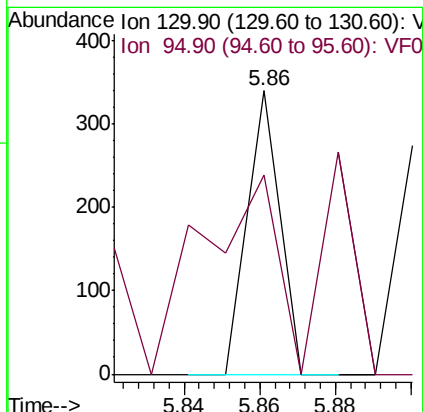
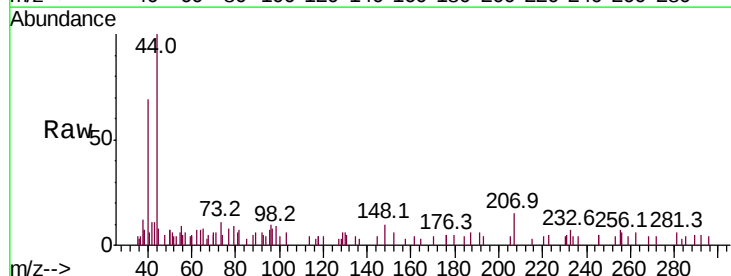
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	25.8	38.8#
87	0.0	0.4	0.6#

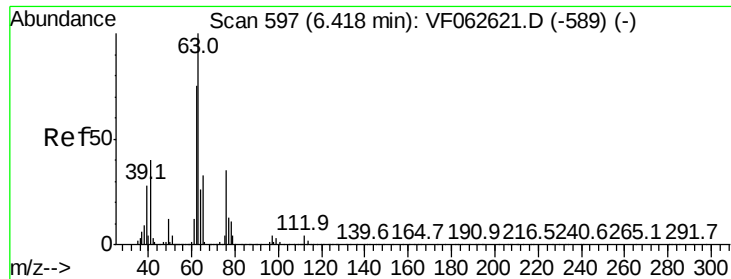


#44

Trichloroethene
 Concen: 434.220 ug/l
 RT: 5.86 min Scan# 540
 Delta R.T. 0.17 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	70.5	0.0	199.4





#45

1,2-Dichloropropane

Concen: 704.728 ug/l

RT: 6.59 min Scan# 614

Delta R.T. 0.17 min

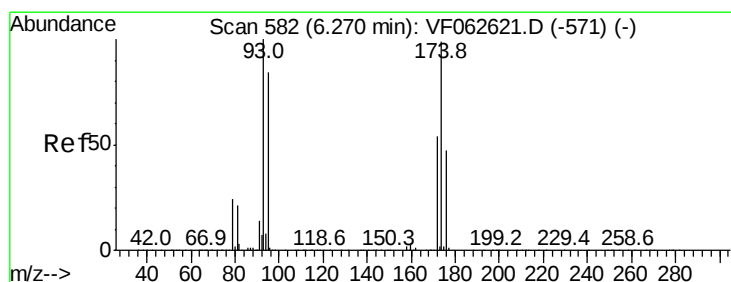
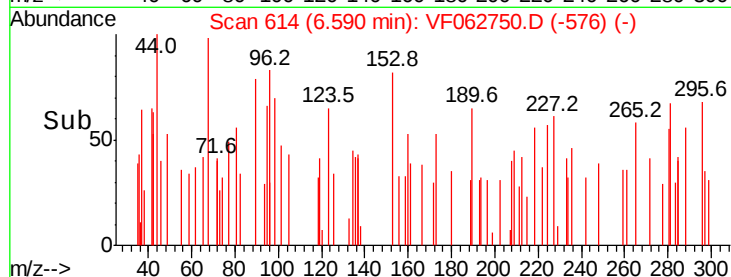
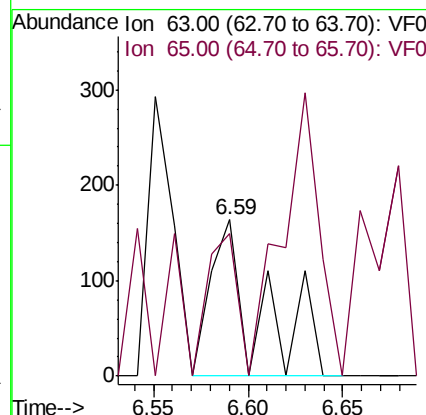
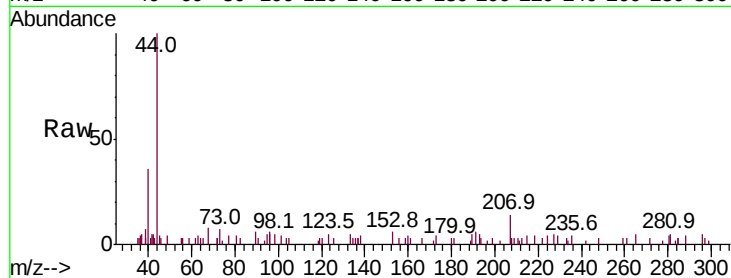
Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :
MSVOA_F
ClientSampleID :
TP-2-S2

Tot Ion: 63 Resp: 293

Ion	Ratio	Lower	Upper
63	100		
65	91.5	26.3	39.5#



#46

Dibromomethane

Concen: 1011.317 ug/l

RT: 6.44 min Scan# 599

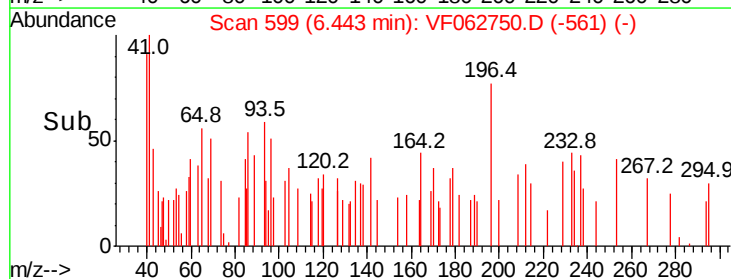
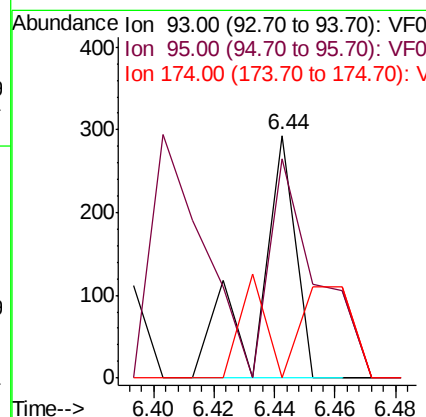
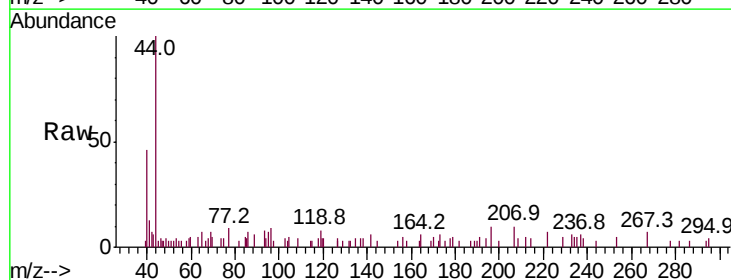
Delta R.T. 0.17 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Tgt Ion: 93 Resp: 243

Ion	Ratio	Lower	Upper
93	100		
95	90.4	67.4	101.2
174	0.0	79.4	119.2#





#47

Bromodichloromethane

Concen: 467.099 ug/l

RT: 6.79 min Scan# 634

Delta R.T. 0.22 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

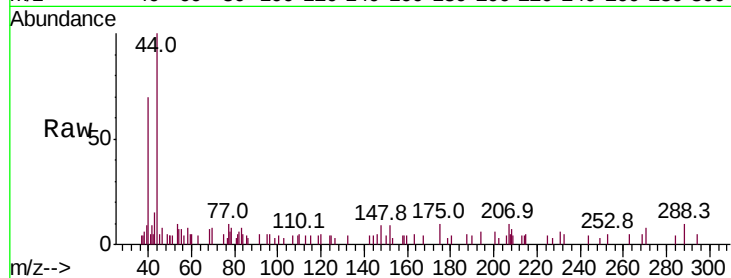
Tot Ion: 83 Resp: 233

Ion Ratio Lower Upper

83 100

85 49.0 52.0 78.0#

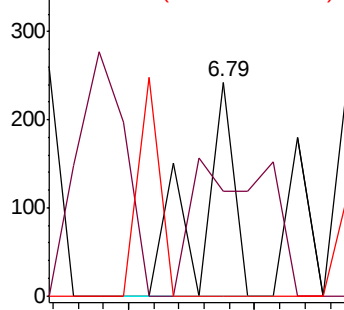
127 0.0 7.7 11.5#



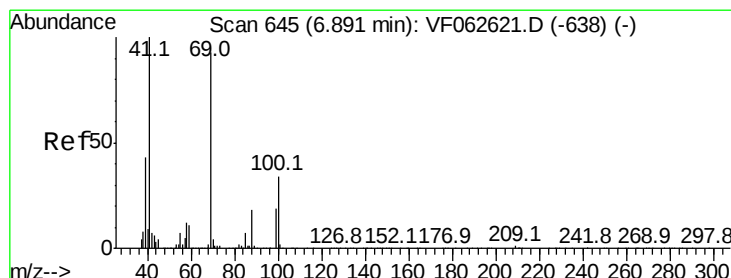
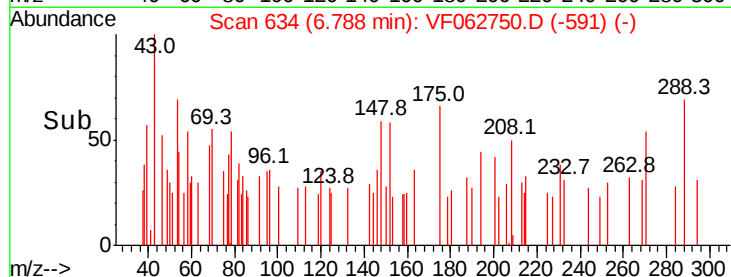
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



Time-->



#48

Methyl methacrylate

Concen: 9667.787 ug/l

RT: 7.15 min Scan# 671

Delta R.T. 0.26 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

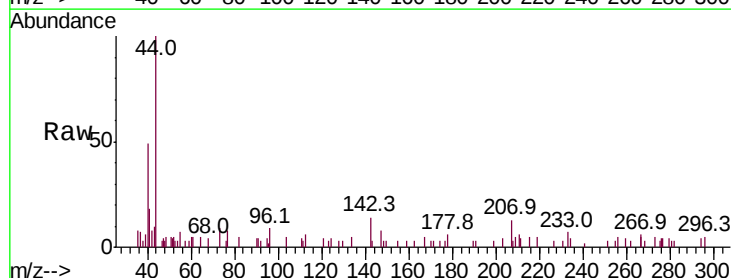
Tgt Ion: 41 Resp: 1616

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

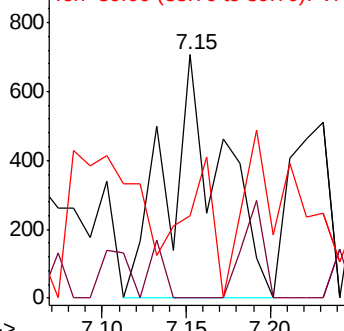
39 33.9 34.2 51.4#



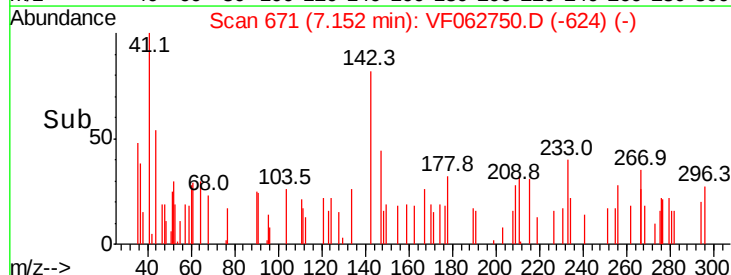
Abundance Ion 41.00 (40.70 to 41.70): VF0

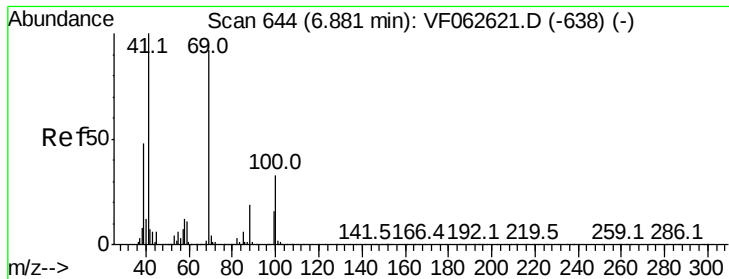
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->

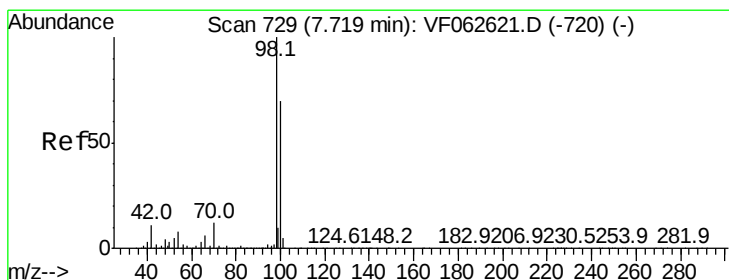
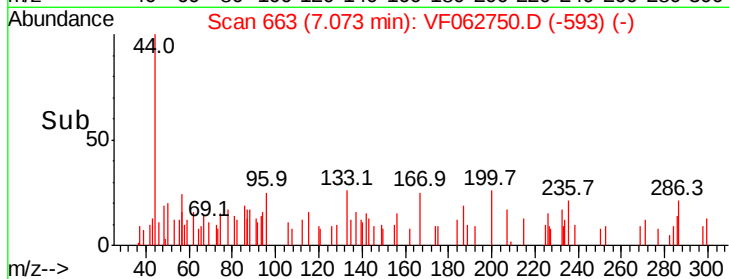
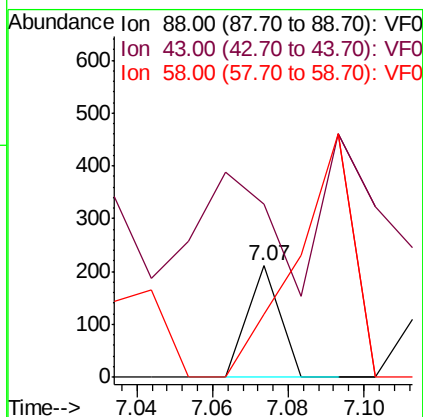
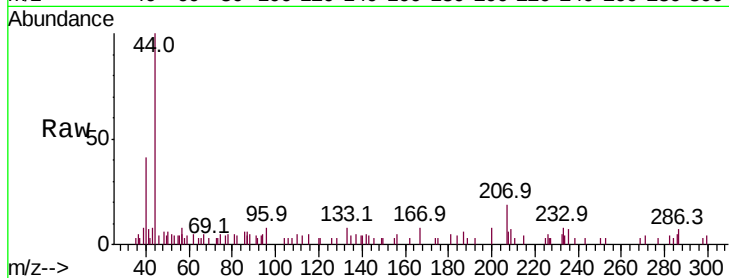




#49
1,4-Dioxane
Concen: 58387.075 ug/l
RT: 7.07 min Scan# 663
Delta R.T. 0.19 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

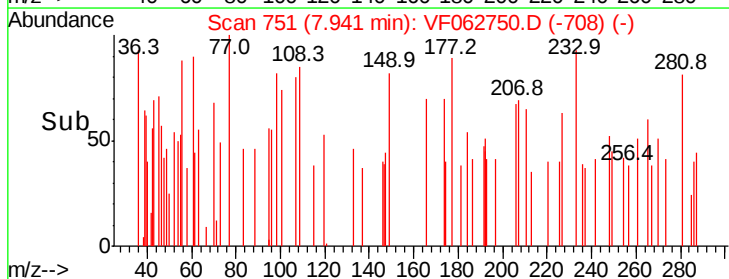
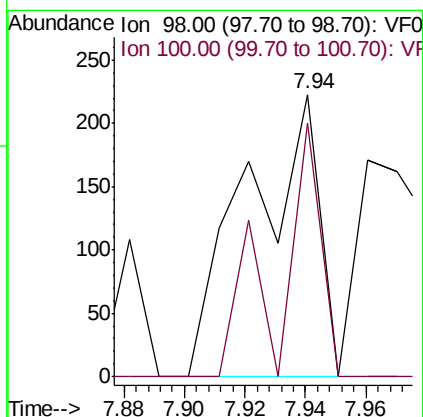
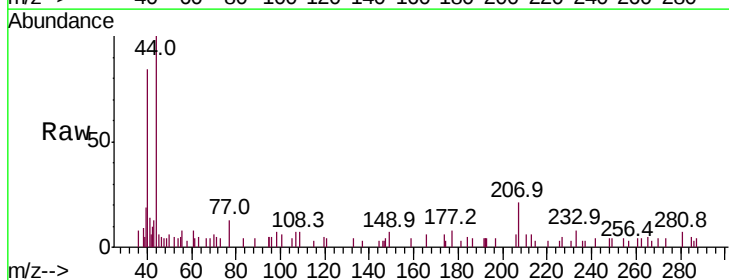
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

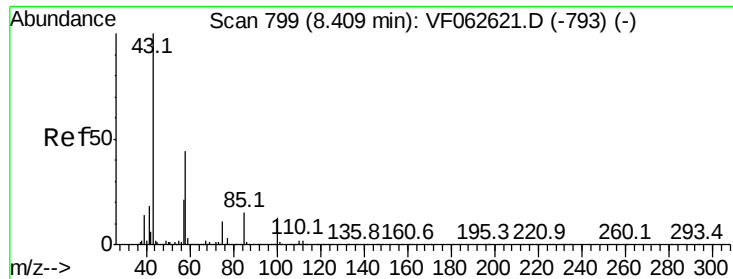
Tot Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 155.5 30.0 45.0#
58 56.9 51.1 76.7



#50
Toluene-d8
Concen: 337.682 ug/l
RT: 7.94 min Scan# 751
Delta R.T. 0.22 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 98 Resp: 364
Ion Ratio Lower Upper
98 100
100 89.7 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 3696.343 ug/l

RT: 8.72 min Scan# 830

Delta R.T. 0.31 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

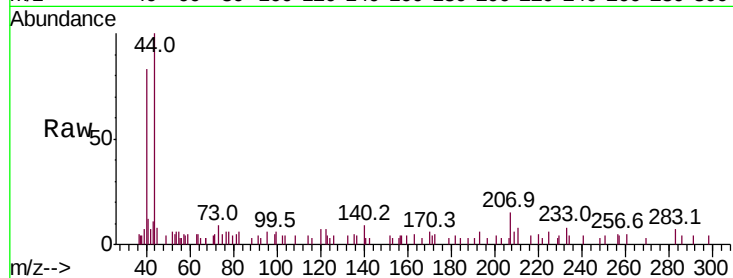
TP-2-S2

Tot Ion: 43 Resp: 808

Ion Ratio Lower Upper

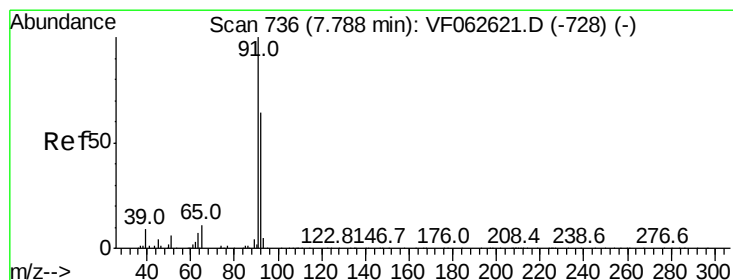
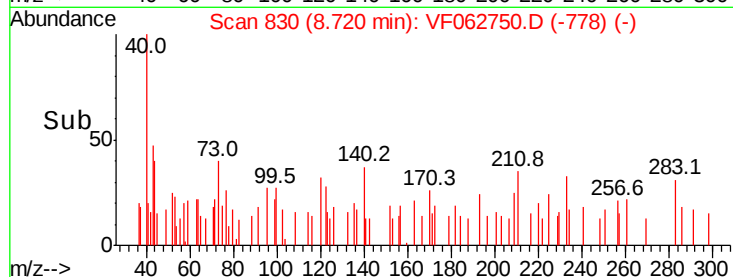
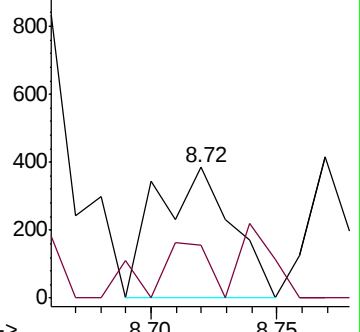
43 100

58 40.3 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: 285.957 ug/l

RT: 8.04 min Scan# 761

Delta R.T. 0.25 min

Lab File: VF062750.D

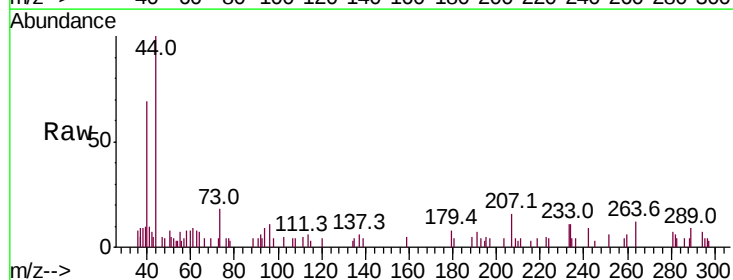
Acq: 24 May 2019 16:51

Tgt Ion: 92 Resp: 247

Ion Ratio Lower Upper

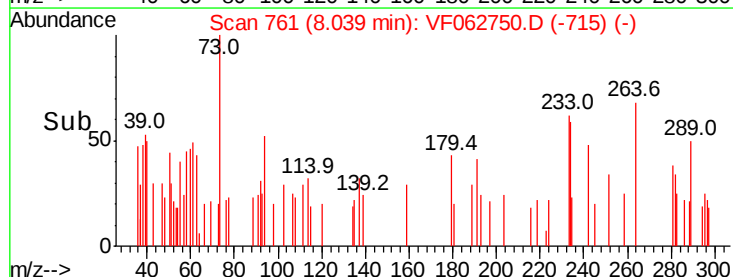
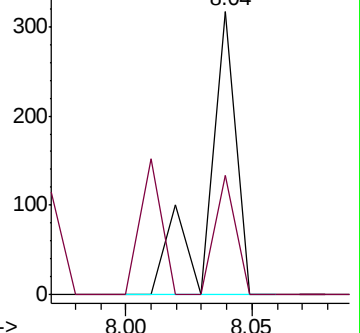
92 100

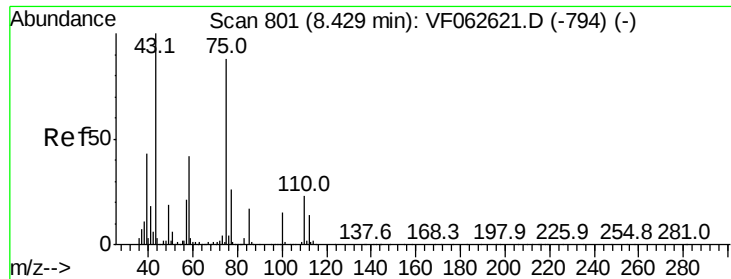
91 42.3 125.4 188.0#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

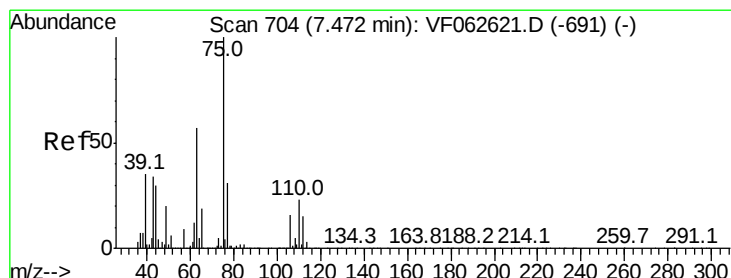
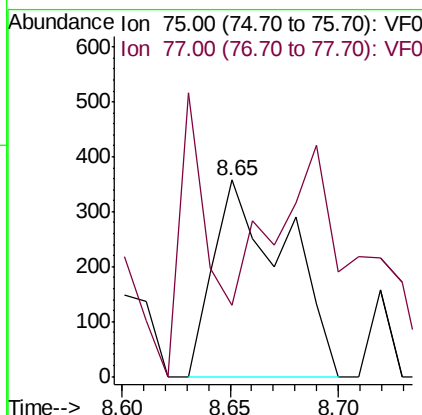
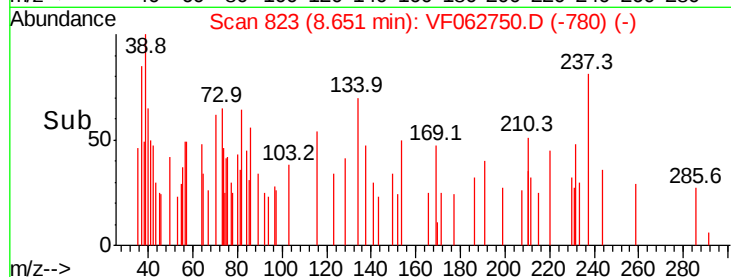
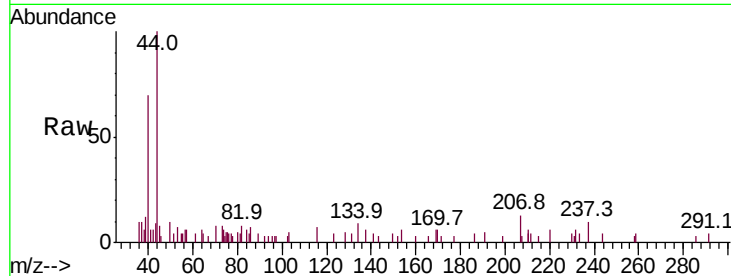




#53
t-1,3-Dichloropropene
Concen: 2050.974 ug/l
RT: 8.65 min Scan# 823
Delta R.T. 0.22 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

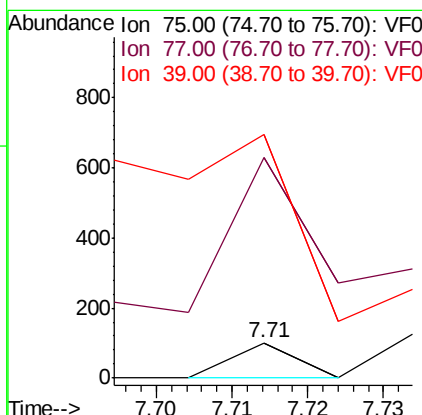
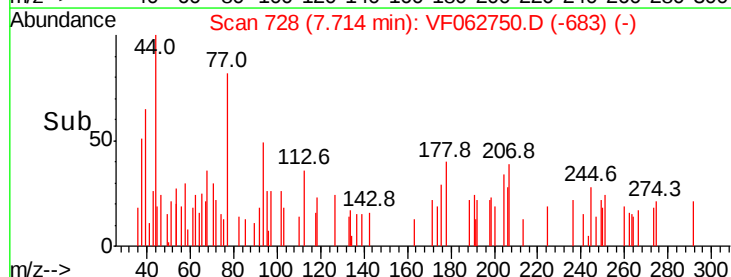
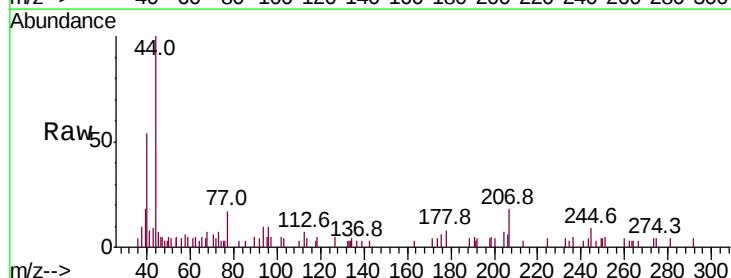
Instrument :
MSVOA_F
ClientSampled :
TP-2-S2

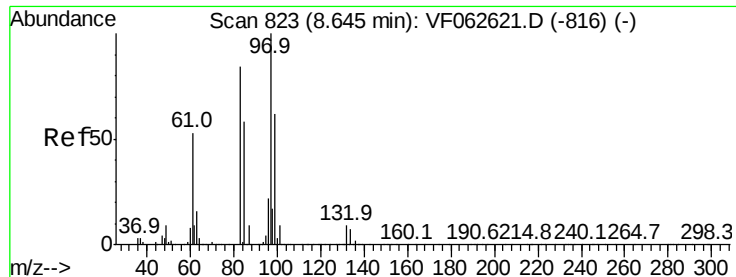
Tot Ion: 75 Resp: 837
Ion Ratio Lower Upper
75 100
77 36.1 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 103.279 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.24 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
77 631.0 25.3 37.9#
39 695.0 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 914.959 ug/l

RT: 8.89 min Scan# 847

Delta R.T. 0.24 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

Tot Ion: 97 Resp: 234

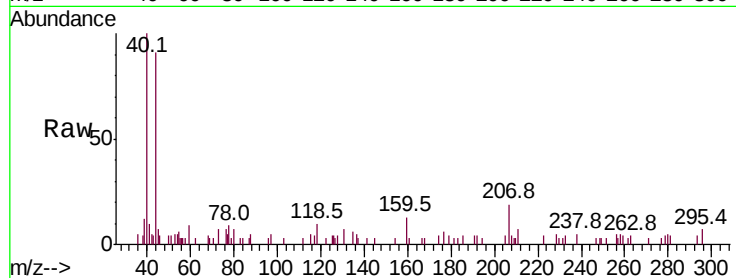
Ion Ratio Lower Upper

97 100

83 59.3 67.3 100.9#

85 0.0 46.6 69.8#

99 0.0 49.7 74.5#

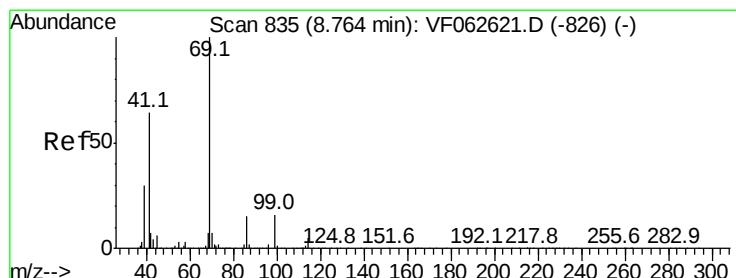
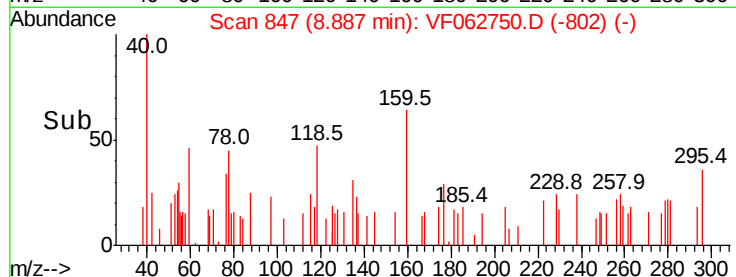
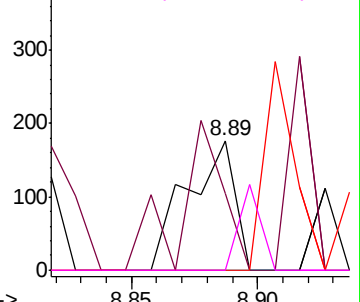


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 705.628 ug/l

RT: 9.02 min Scan# 860

Delta R.T. 0.25 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

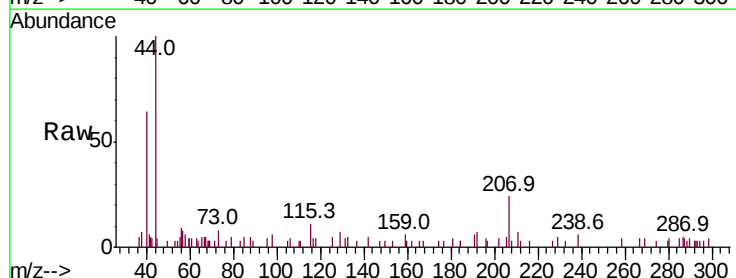
Tgt Ion: 69 Resp: 215

Ion Ratio Lower Upper

69 100

41 86.4 51.4 77.2#

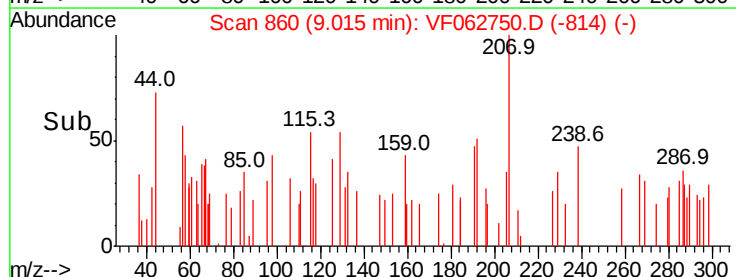
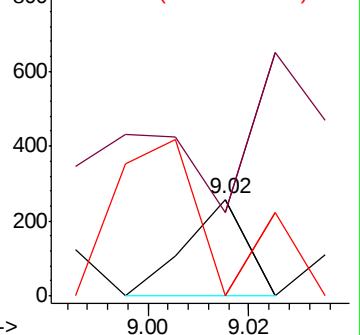
39 0.0 23.6 35.4#

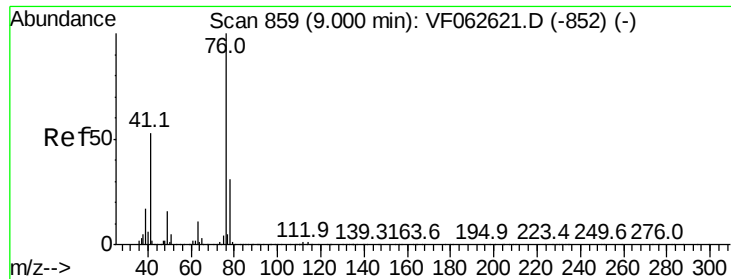


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 585.376 ug/l

RT: 9.28 min Scan# 887

Delta R.T. 0.28 min

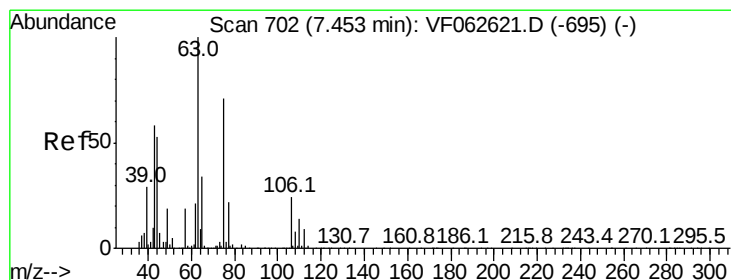
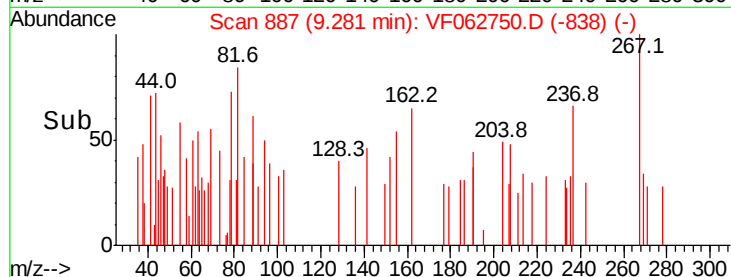
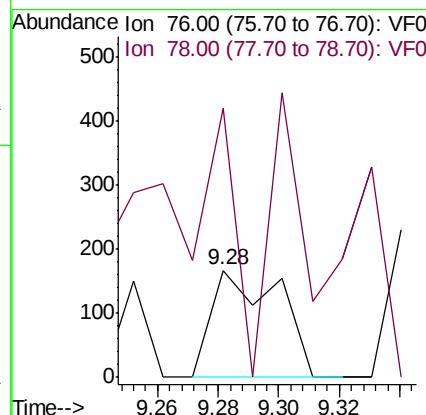
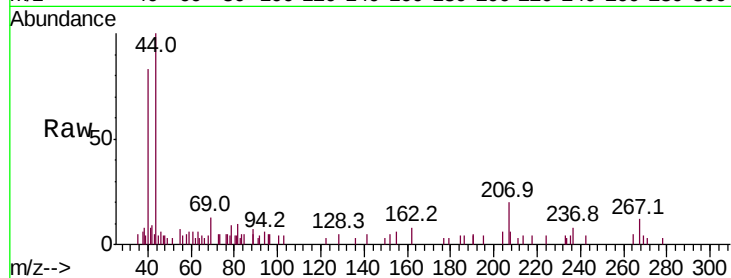
Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :
MSVOA_F
ClientSampled :
TP-2-S2

Tot Ion: 76 Resp: 255

Ion	Ratio	Lower	Upper
76	100		
78	252.4	25.4	38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 937.709 ug/l

RT: 7.69 min Scan# 726

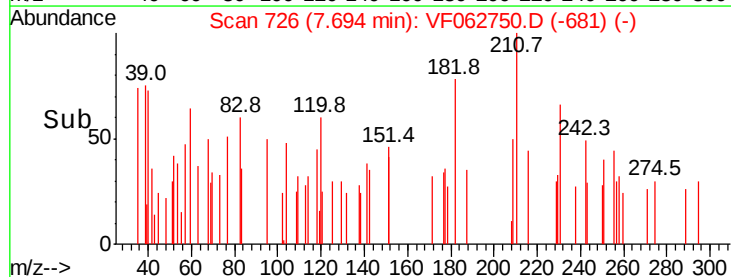
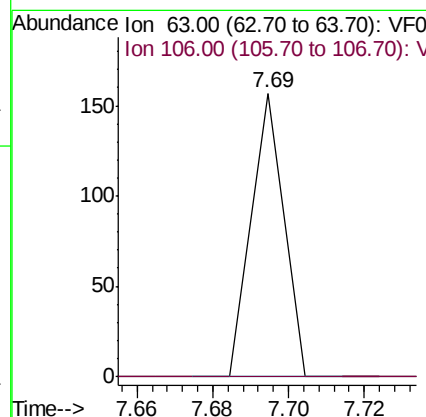
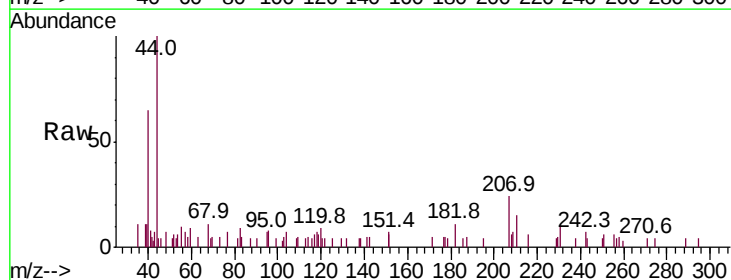
Delta R.T. 0.24 min

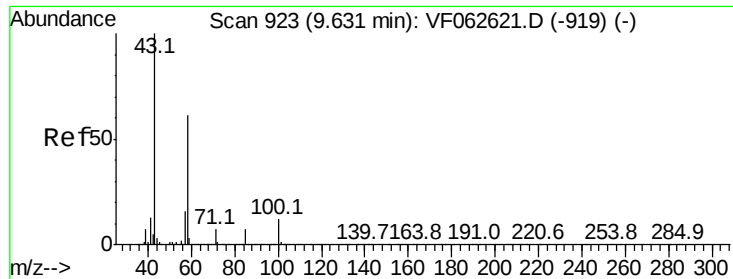
Lab File: VF062750.D

Acq: 24 May 2019 16:51

Tgt Ion: 63 Resp: 93

Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.1	28.7#

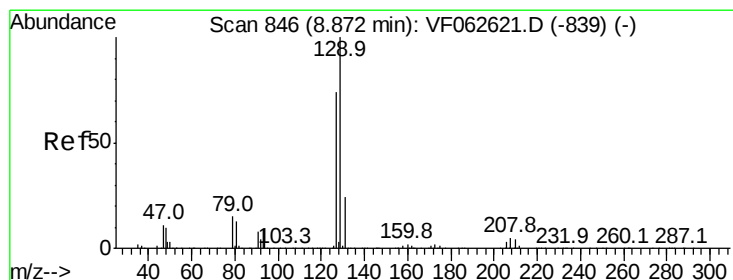
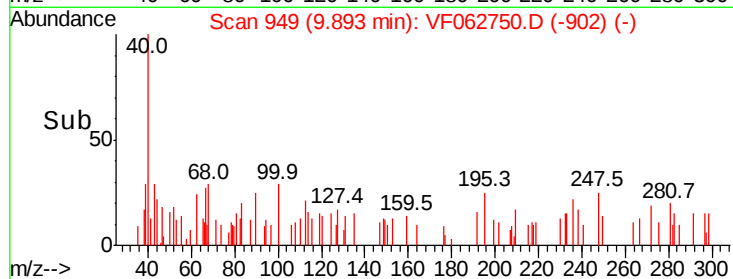
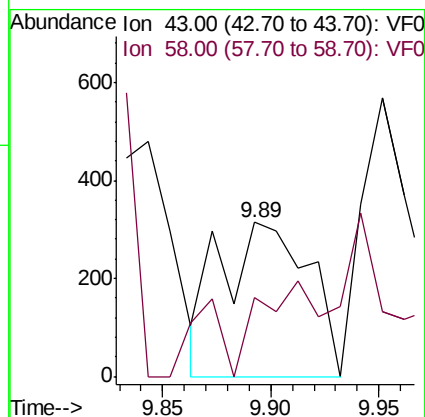
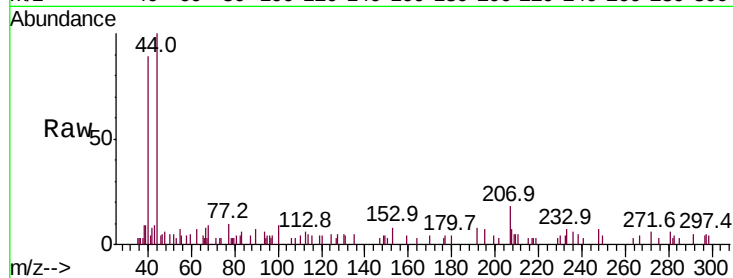




#59
2-Hexanone
Concen: 6749.454 ug/l
RT: 9.89 min Scan# 949
Delta R.T. 0.26 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

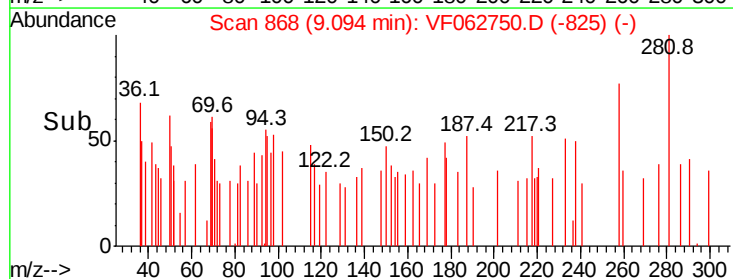
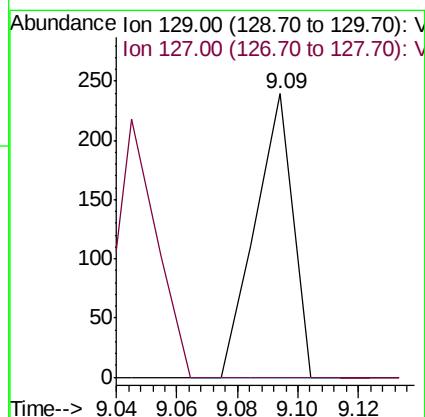
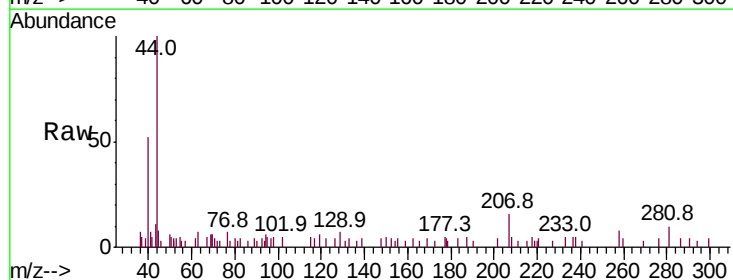
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

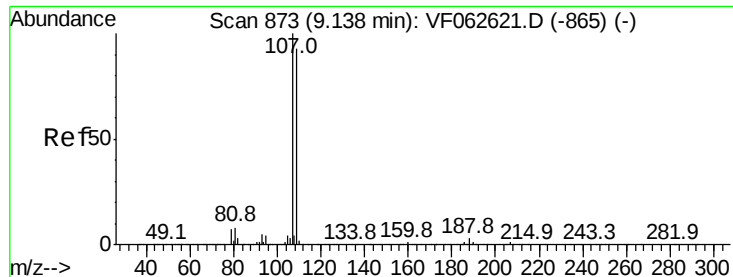
Tot Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 51.0 28.1 84.4



#60
Dibromochloromethane
Concen: 621.019 ug/l
RT: 9.09 min Scan# 868
Delta R.T. 0.22 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion: 129 Resp: 207
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 287.140 ug/l

RT: 9.42 min Scan# 901

Delta R.T. 0.28 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

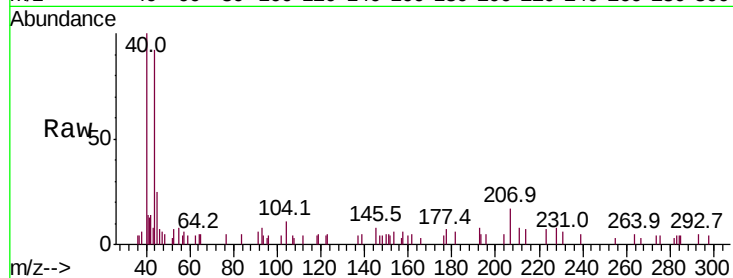
TP-2-S2

Tot Ion:107 Resp: 78

Ion Ratio Lower Upper

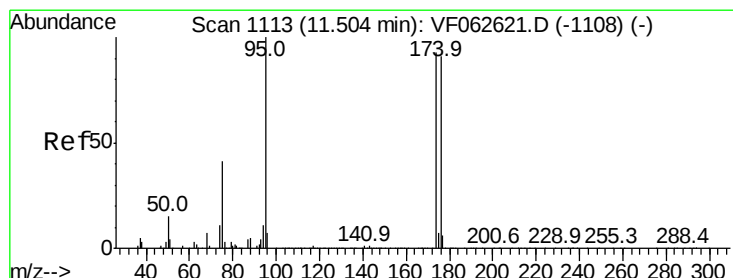
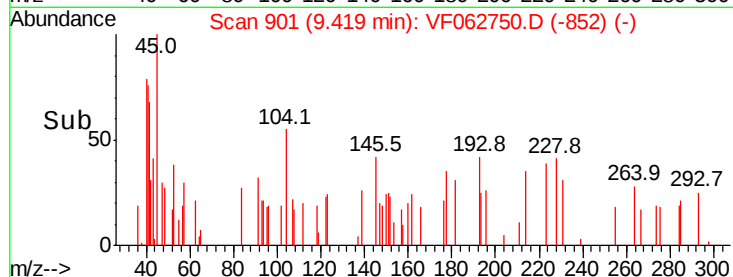
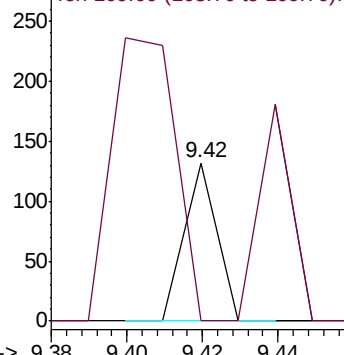
107 100

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: 403.593 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.36 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

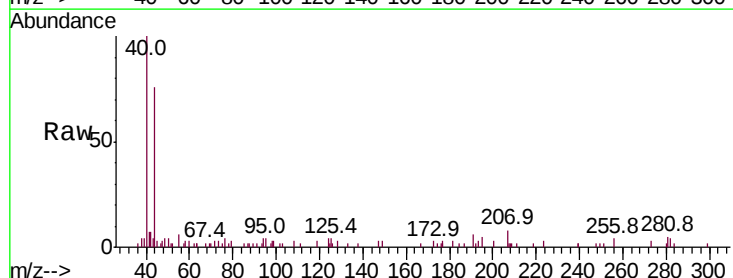
Tgt Ion: 95 Resp: 165

Ion Ratio Lower Upper

95 100

174 49.5 0.0 185.6

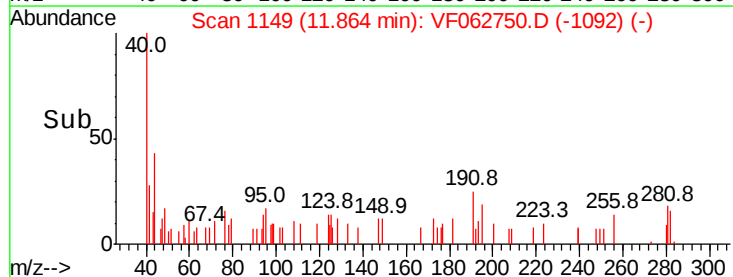
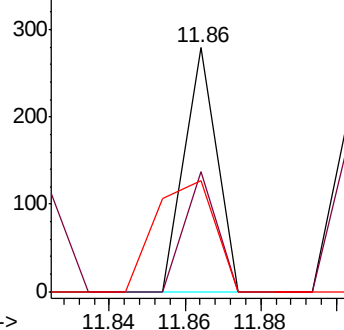
176 103.9 0.0 182.4



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

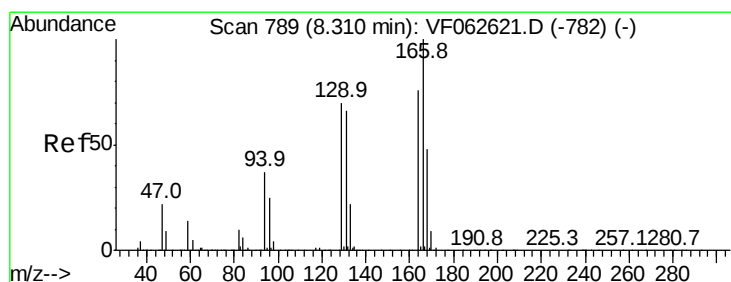
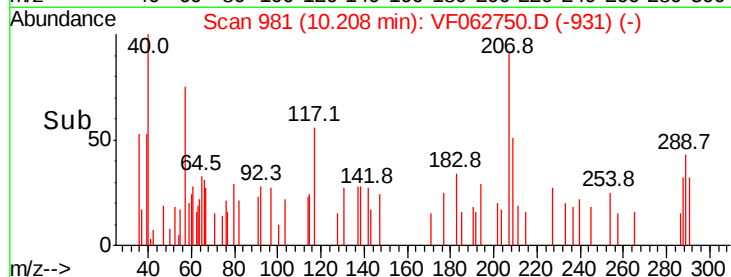
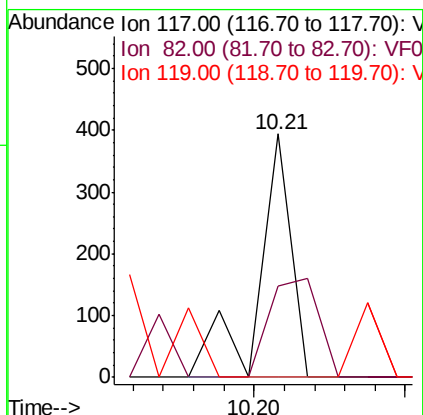
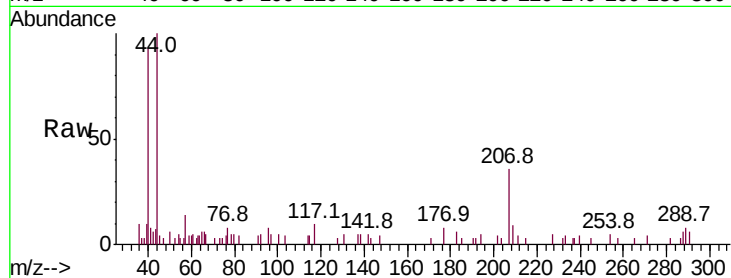




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.21 min Scan# 981
Delta R.T. 0.29 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

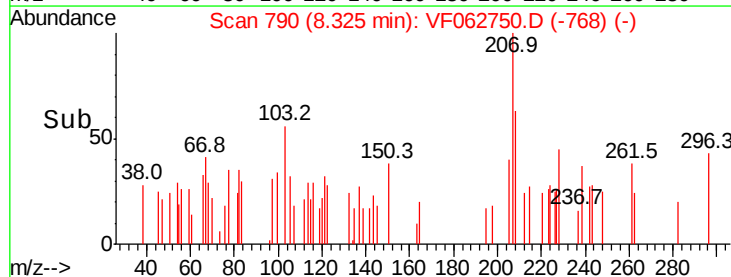
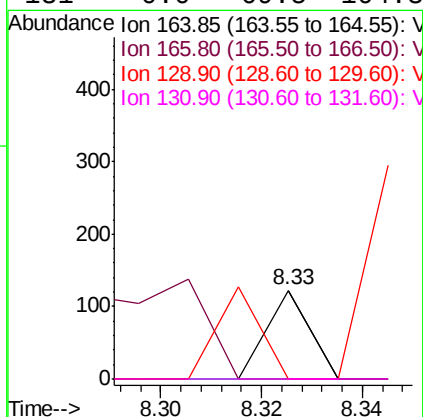
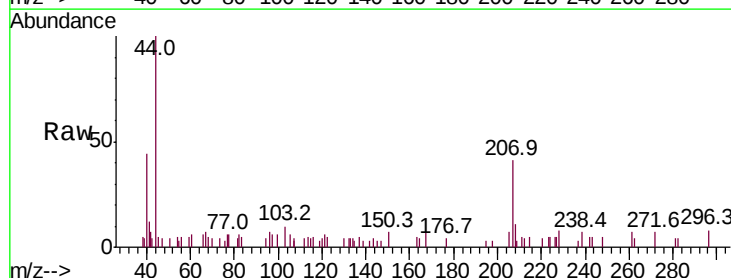
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

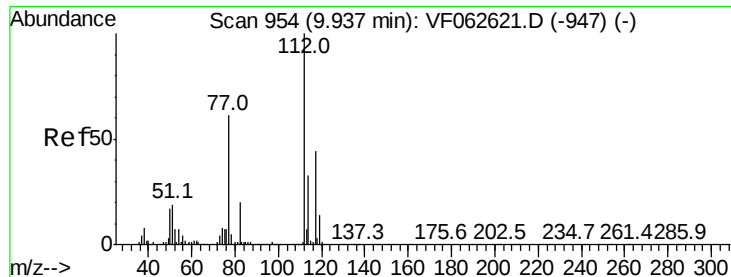
Tot Ion	Ratio	Lower	Upper
117	100		
82	37.6	43.3	64.9#
119	0.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 30.600 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt 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#

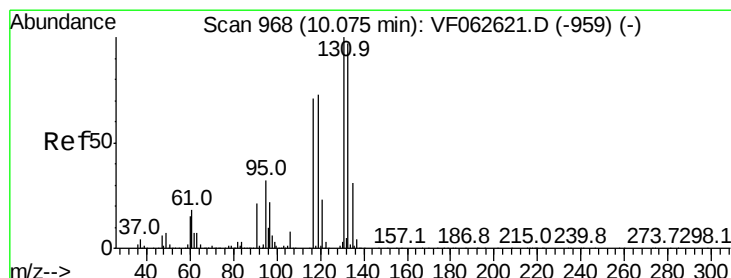
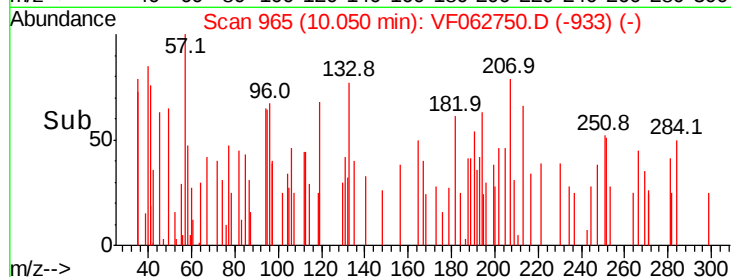
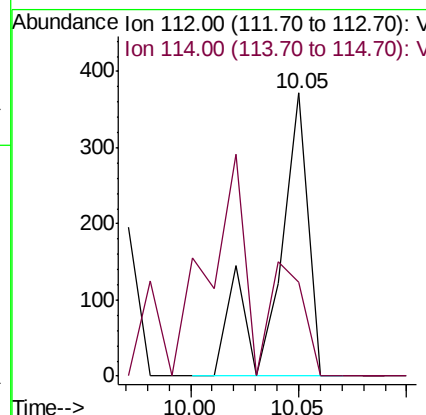
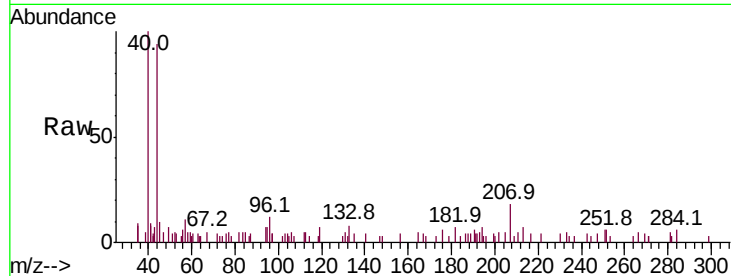




#65
Chlorobenzene
Concen: 64.800 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.11 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

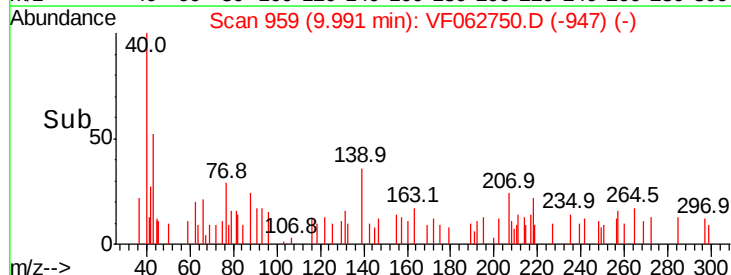
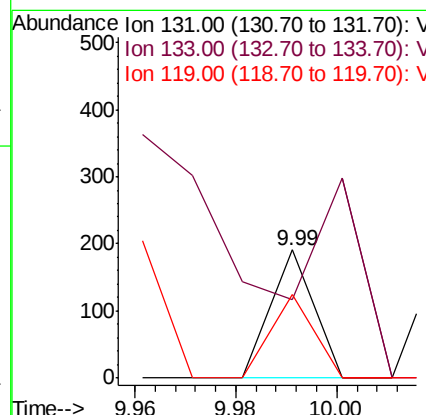
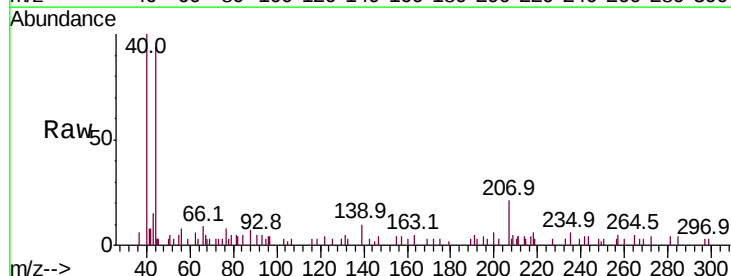
Instrument :
MSVOA_F
ClientSampled :
TP-2-S2

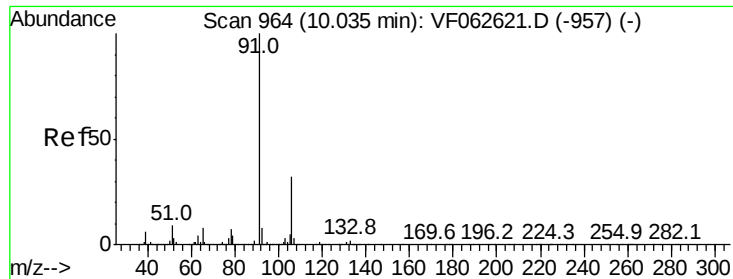
Tot Ion:112 Resp: 378
Ion Ratio Lower Upper
112 100
114 33.3 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.254 ug/l
RT: 9.99 min Scan# 959
Delta R.T. -0.08 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion:131 Resp: 113
Ion Ratio Lower Upper
131 100
133 60.7 48.5 145.5
119 64.9 36.8 110.4





#67

Ethyl Benzene

Concen: 14.802 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.03 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

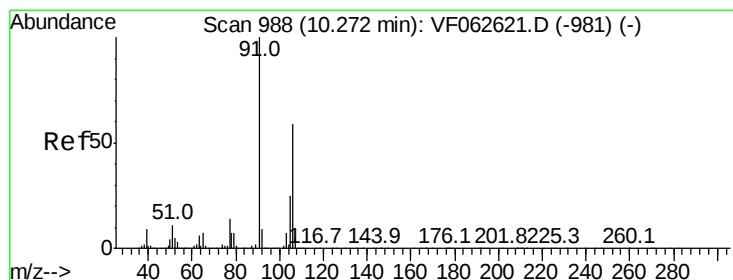
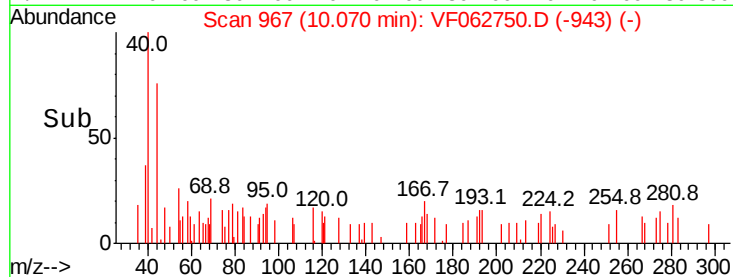
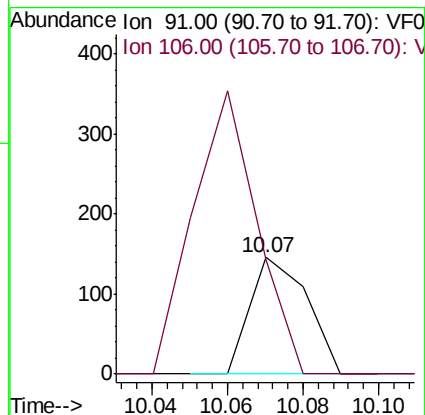
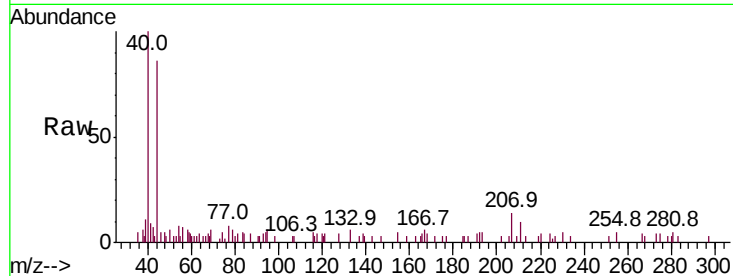
TP-2-S2

Tot Ion: 91 Resp: 150

Ion Ratio Lower Upper

91 100

106 98.6 25.8 38.8#



#68

m/p-Xylenes

Concen: 17.066 ug/l

RT: 10.26 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF062750.D

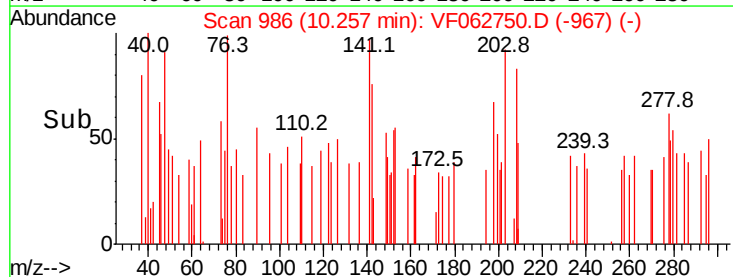
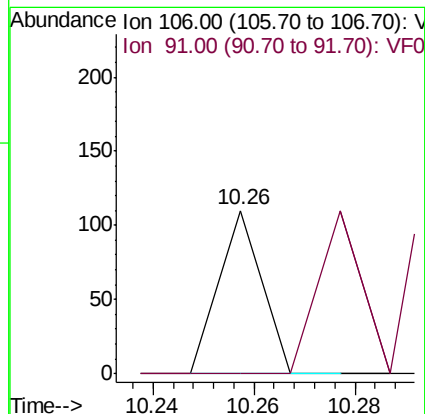
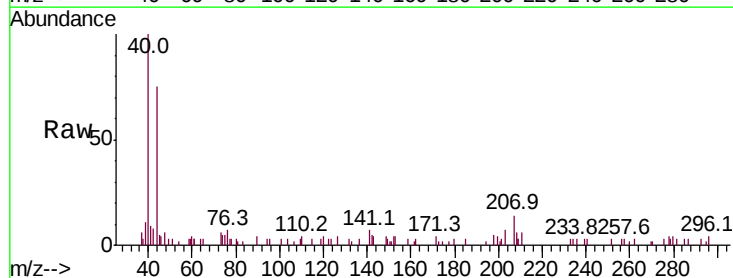
Acq: 24 May 2019 16:51

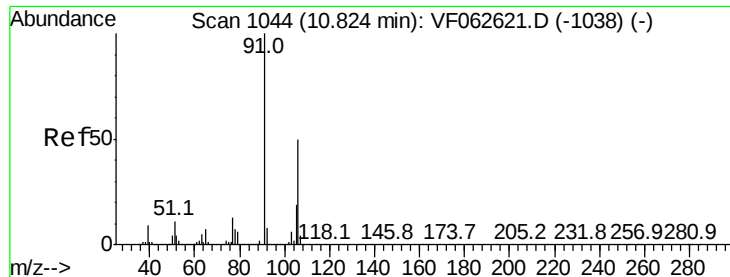
Tgt Ion: 106 Resp: 65

Ion Ratio Lower Upper

106 100

91 0.0 136.9 205.3#

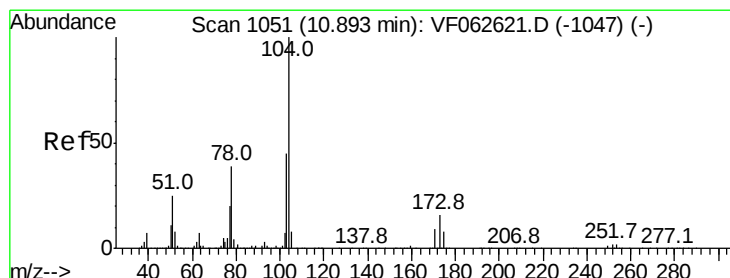
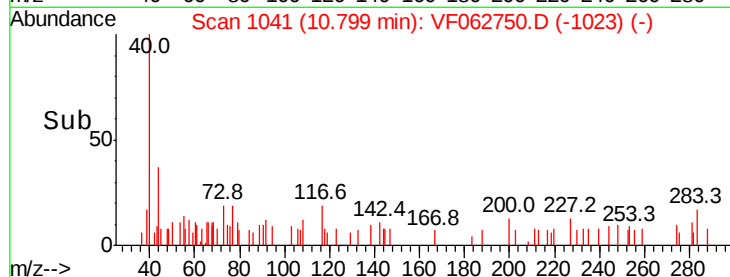
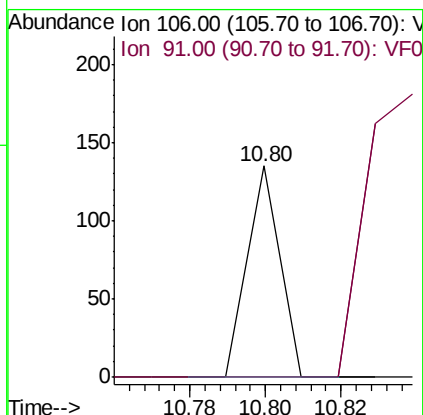
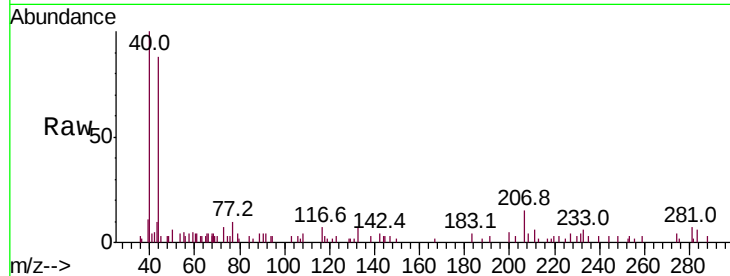




#69
o-Xylene
Concen: 20.392 ug/l
RT: 10.80 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

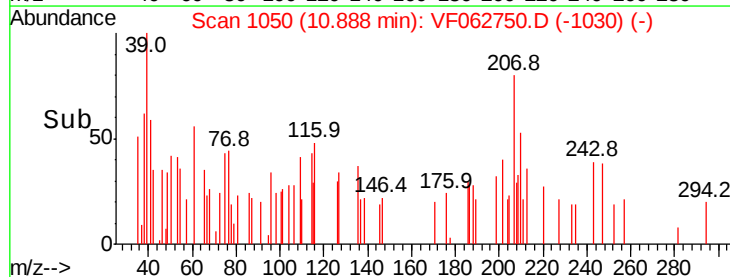
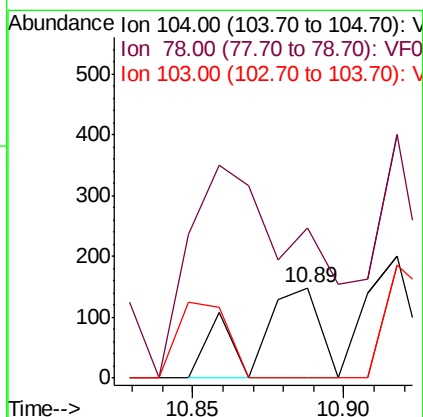
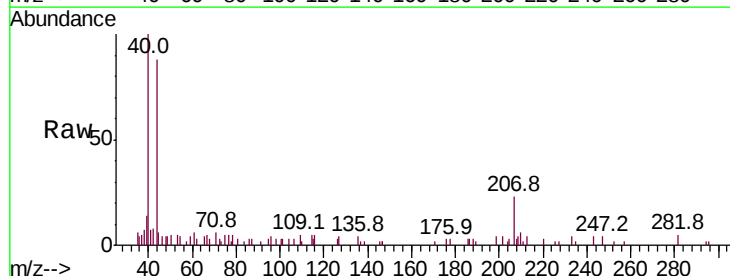
Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

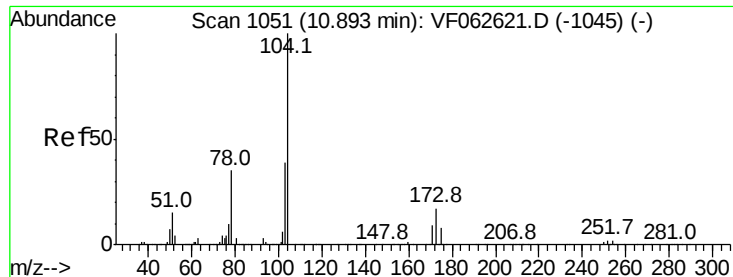
Tot Ion:106 Resp: 80
Ion Ratio Lower Upper
106 100
91 0.0 100.2 300.5#



#70
Styrene
Concen: 38.070 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion:104 Resp: 227
Ion Ratio Lower Upper
104 100
78 166.9 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 90.378 ug/l

RT: 10.86 min Scan# 1047

Delta R.T. -0.03 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

TP-2-S2

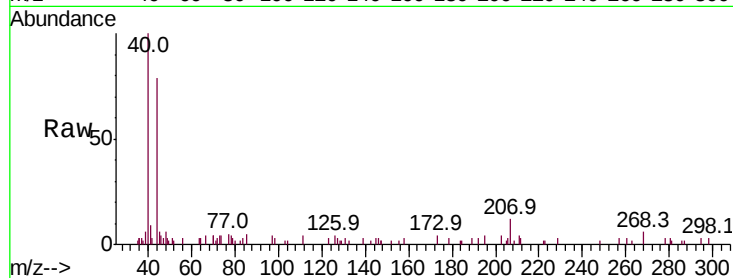
Tot Ion:173 Resp: 106

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

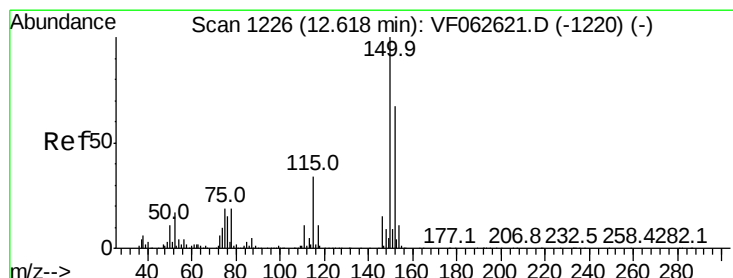
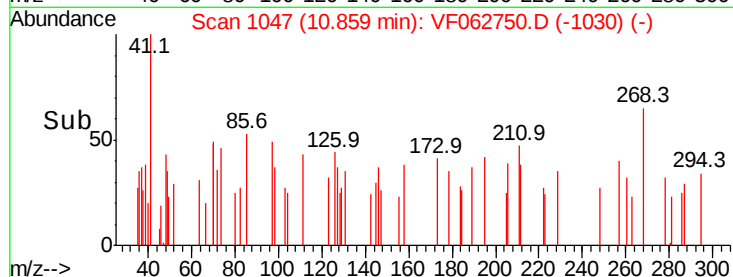
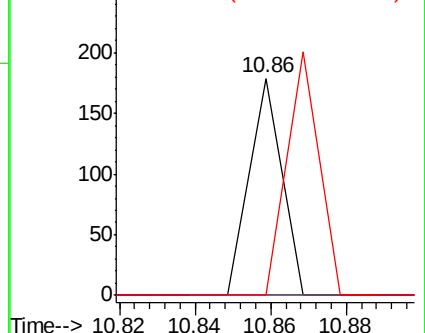
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

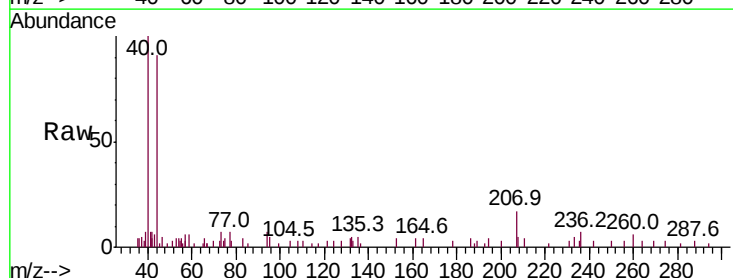
Tgt Ion:152 Resp: 118

Ion Ratio Lower Upper

152 100

115 0.0 25.2 75.6#

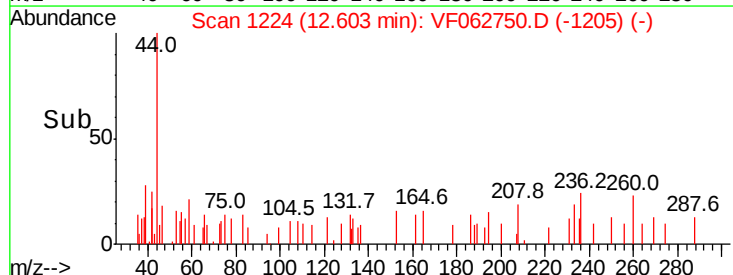
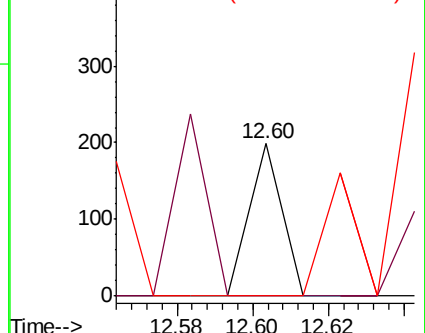
150 0.0 0.0 306.2

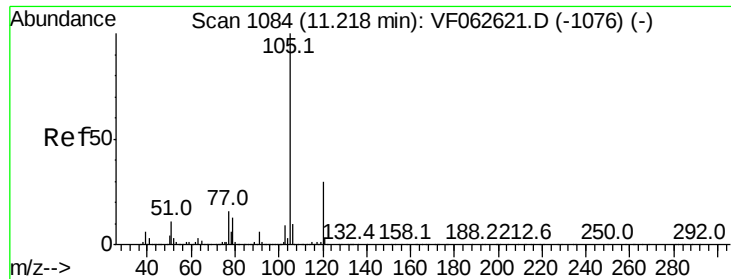


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 42.449 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

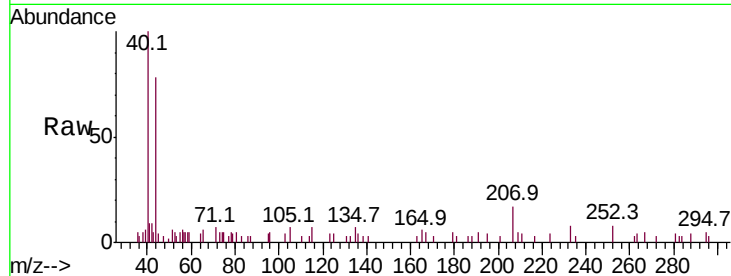
TP-2-S2

Tot Ion:105 Resp: 359

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

300

250

200

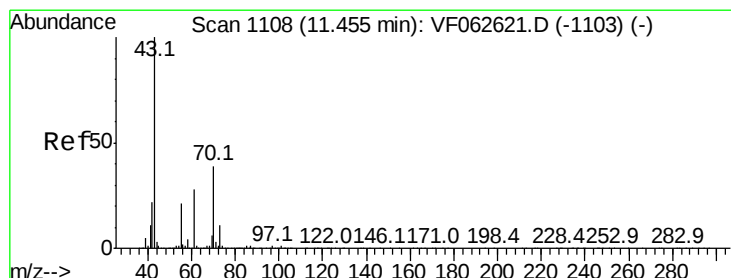
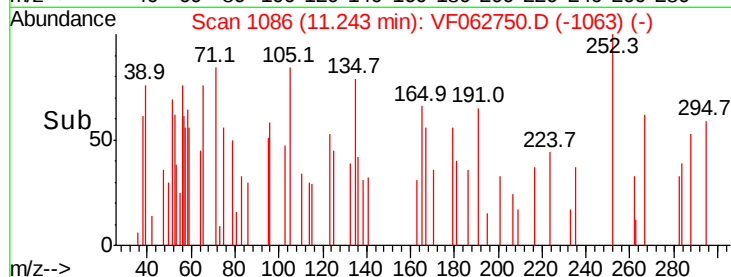
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 177.323 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.04 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Tgt Ion: 43 Resp: 352

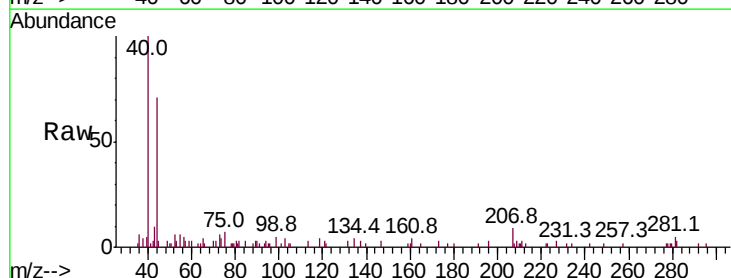
Ion Ratio Lower Upper

43 100

70 30.1 30.9 46.3#

55 61.3 17.0 25.4#

61 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.49

800

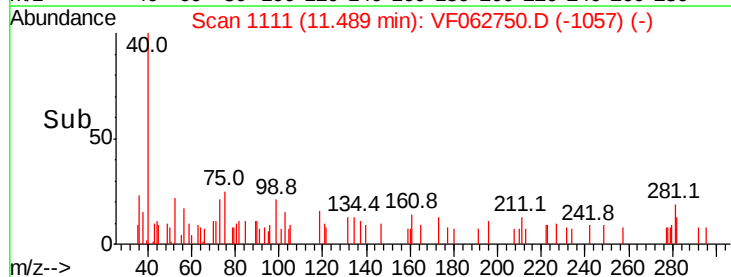
600

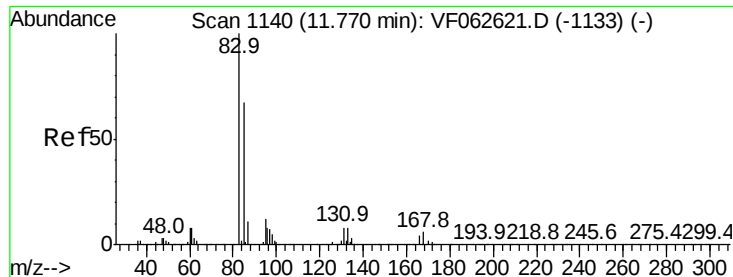
400

200

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 188.040 ug/l

RT: 11.80 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

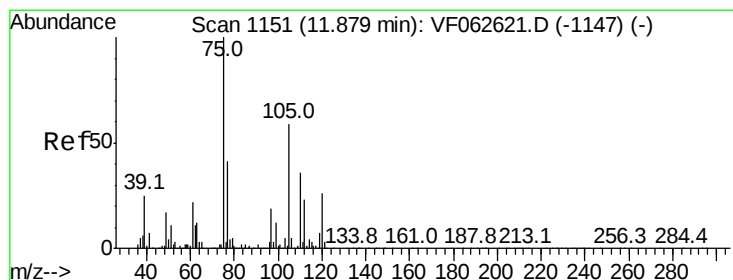
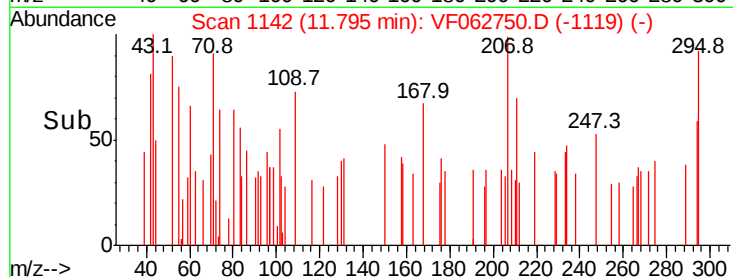
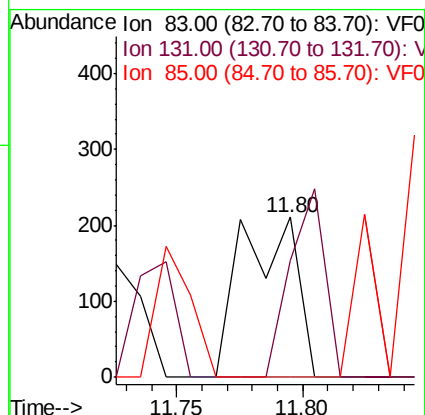
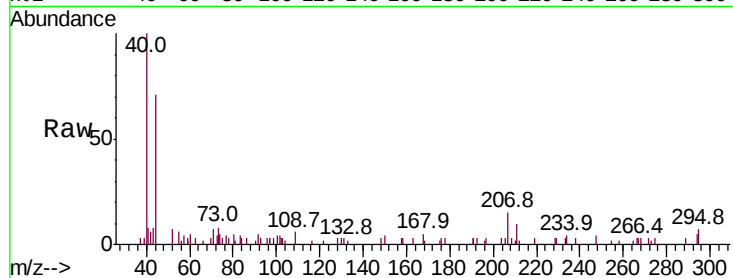
Tot Ion: 83 Resp: 325

Ion Ratio Lower Upper

83 100

131 73.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 301.152 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF062750.D

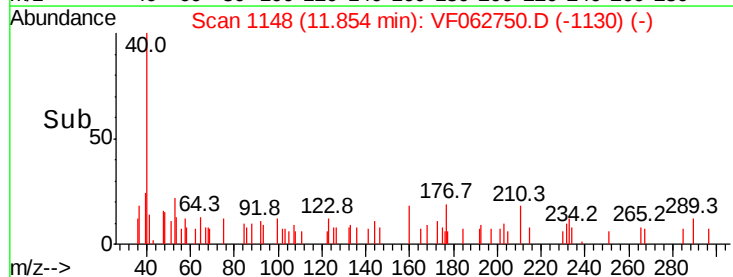
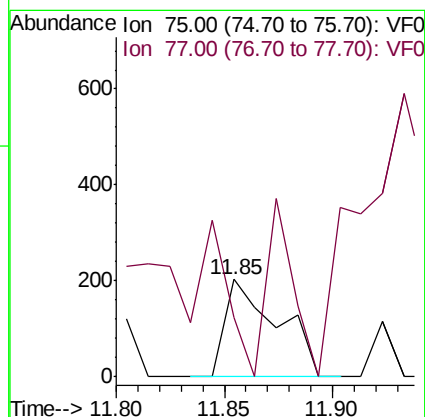
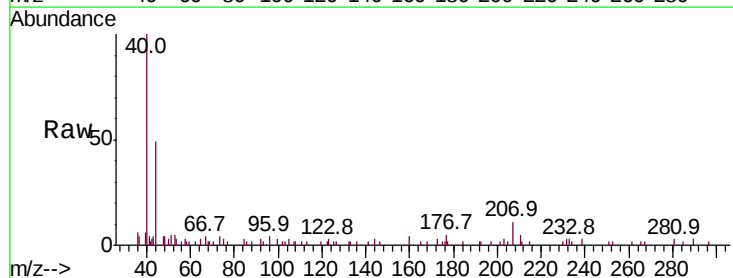
Acq: 24 May 2019 16:51

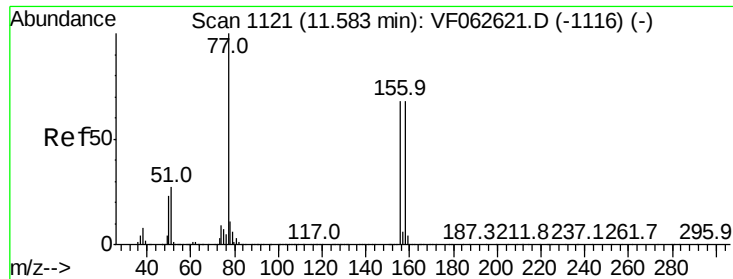
Tgt Ion: 75 Resp: 342

Ion Ratio Lower Upper

75 100

77 60.6 20.6 61.8





#77

Bromobenzene

Concen: 33.298 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

TP-2-S2

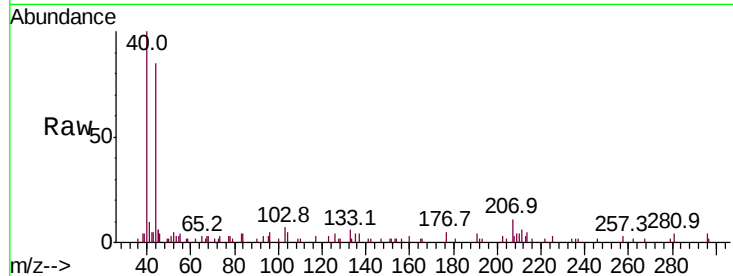
Tot Ion:156 Resp: 70

Ion Ratio Lower Upper

156 100

77 155.5 73.6 220.8

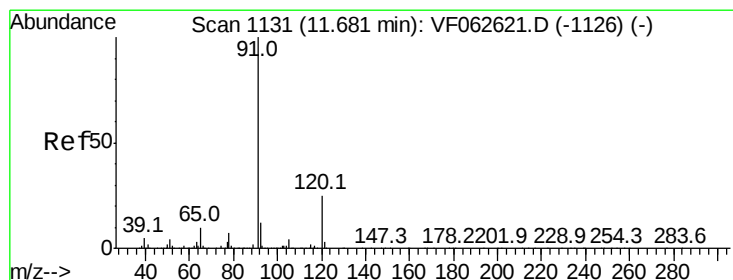
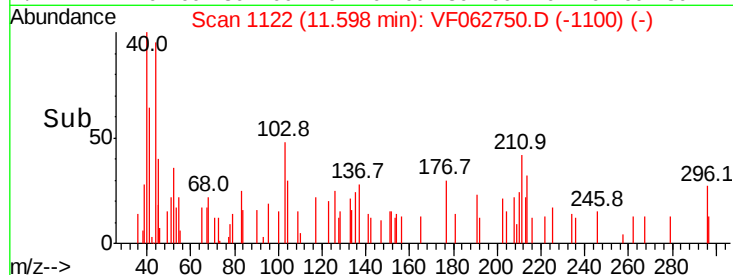
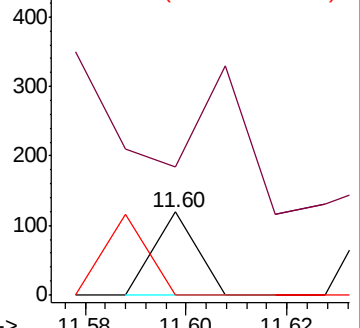
158 0.0 49.6 148.8#



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: 9.591 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062750.D

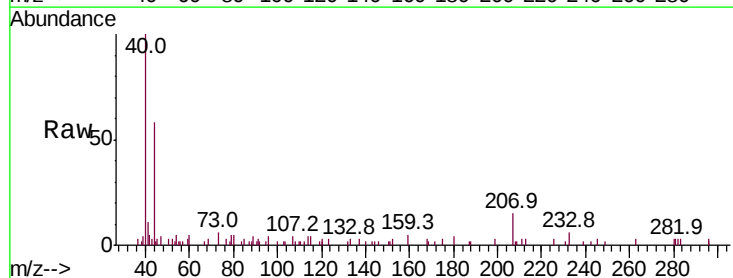
Acq: 24 May 2019 16:51

Tgt Ion: 91 Resp: 96

Ion Ratio Lower Upper

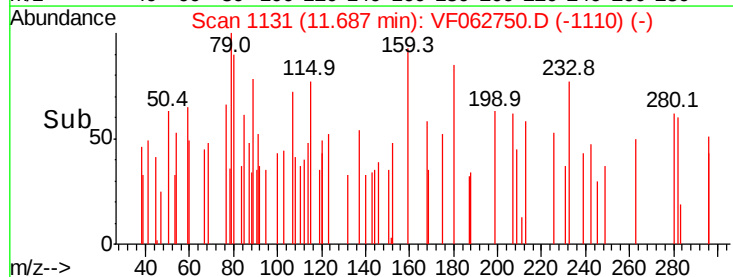
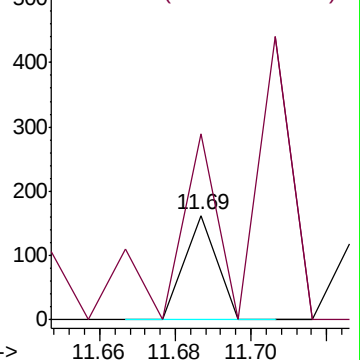
91 100

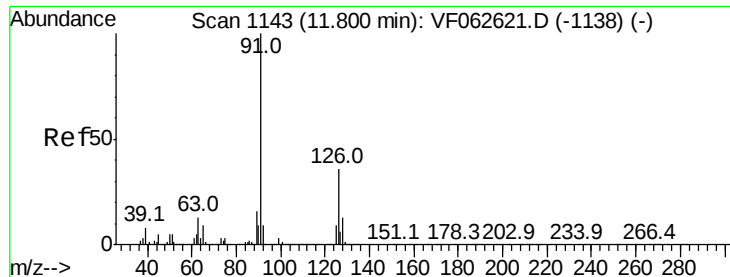
120 177.9 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 26.947 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

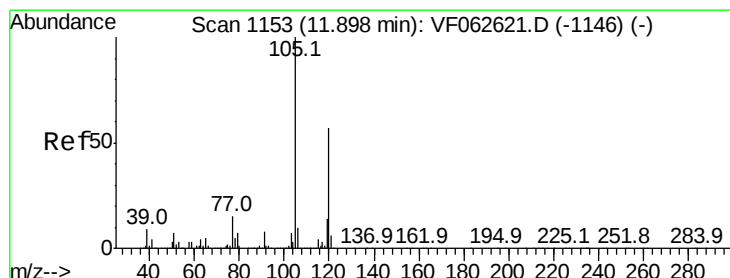
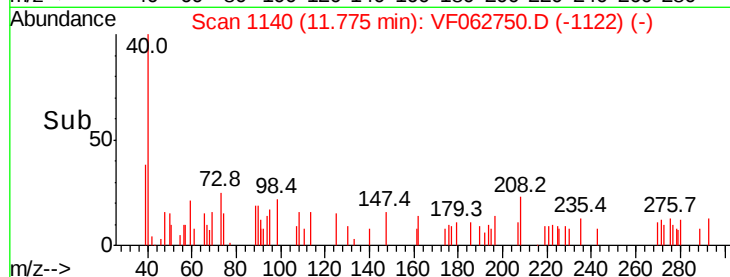
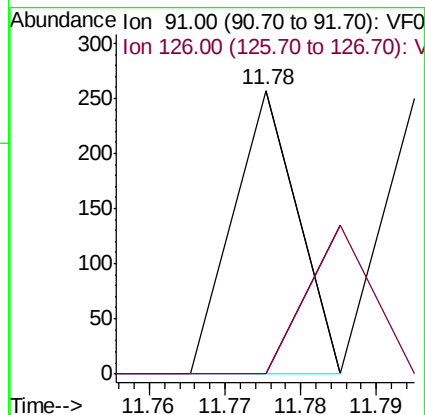
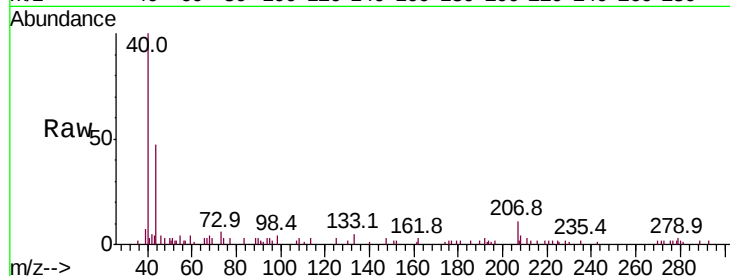
TP-2-S2

Tot Ion: 91 Resp: 152

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 84.201 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062750.D

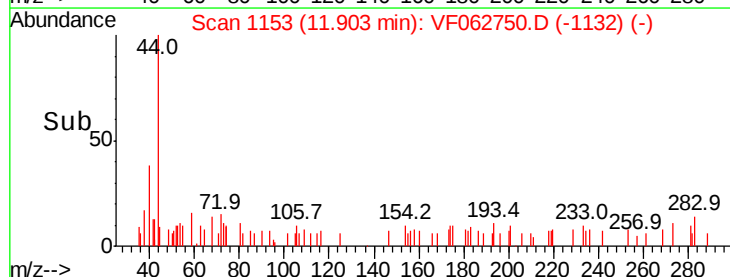
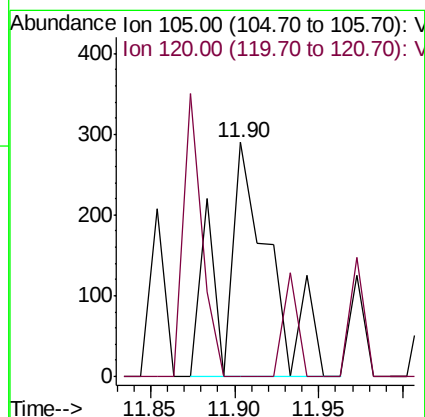
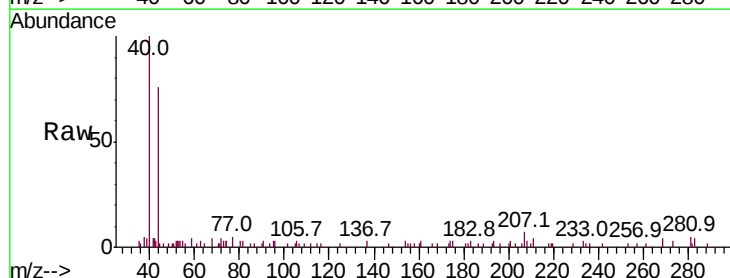
Acq: 24 May 2019 16:51

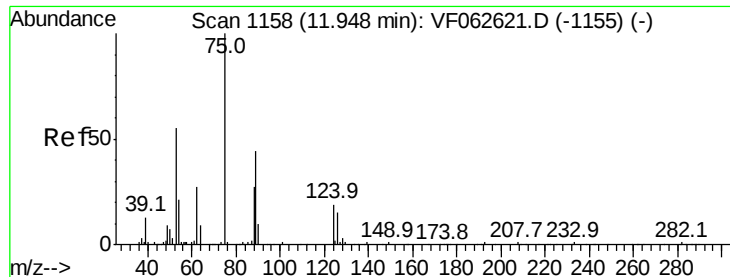
Tgt Ion:105 Resp: 571

Ion Ratio Lower Upper

105 100

120 0.0 28.7 86.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 305.072 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

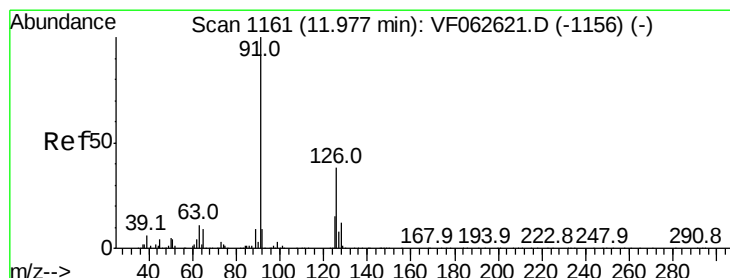
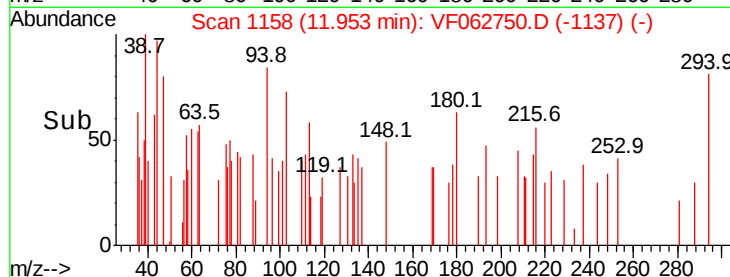
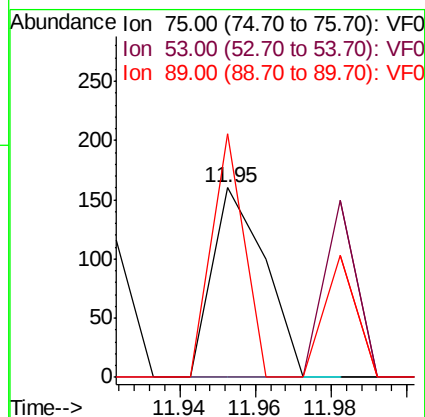
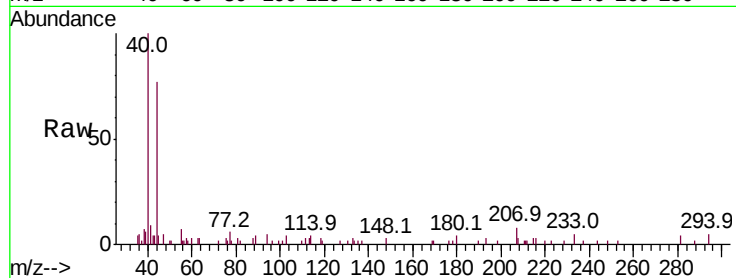
Tot Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 128.8 36.4 54.6#



#82

4-Chlorotoluene

Concen: 44.225 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.04 min

Lab File: VF062750.D

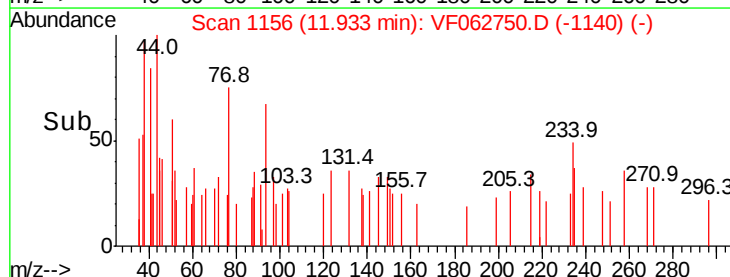
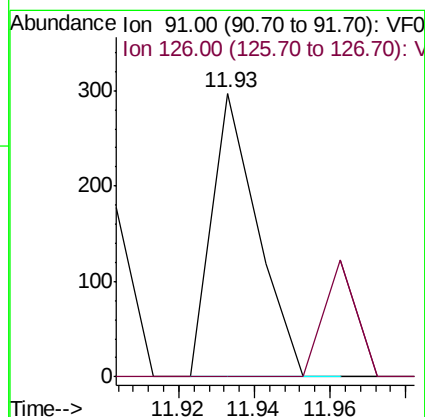
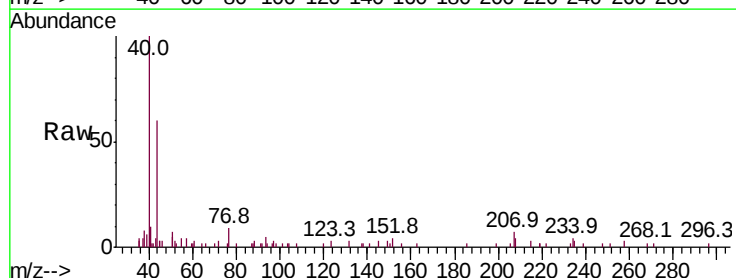
Acq: 24 May 2019 16:51

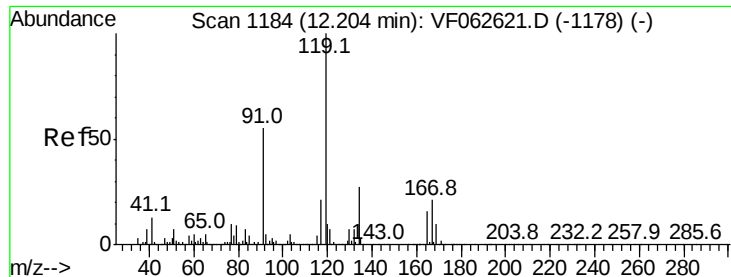
Tgt Ion: 91 Resp: 246

Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.1#





#83

tert-Butylbenzene

Concen: 34.302 ug/l

RT: 12.23 min Scan# 1186

Delta R.T. 0.02 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

TP-2-S2

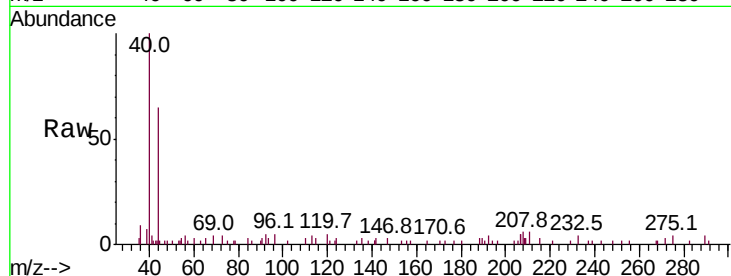
Tot Ion:119 Resp: 236

Ion Ratio Lower Upper

119 100

91 58.2 27.3 81.9

134 0.0 13.6 40.7#

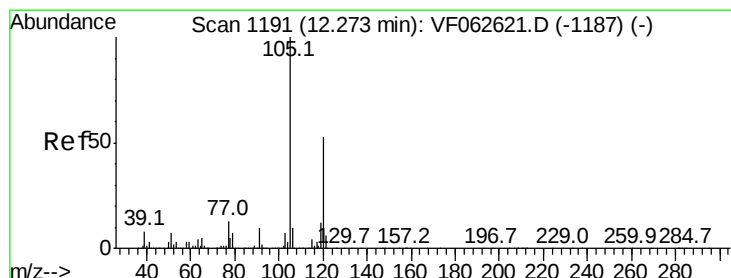
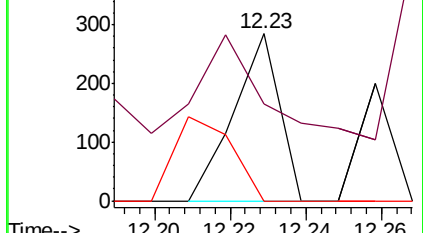
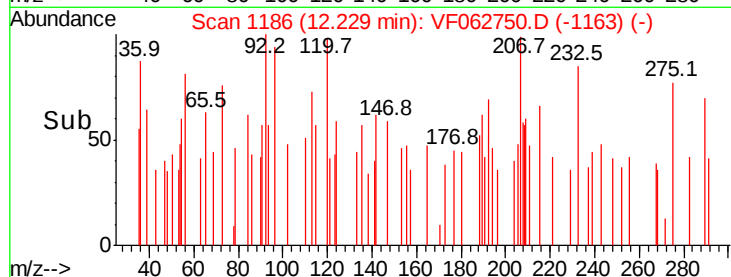


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 29.557 ug/l

RT: 12.13 min Scan# 1176

Delta R.T. -0.14 min

Lab File: VF062750.D

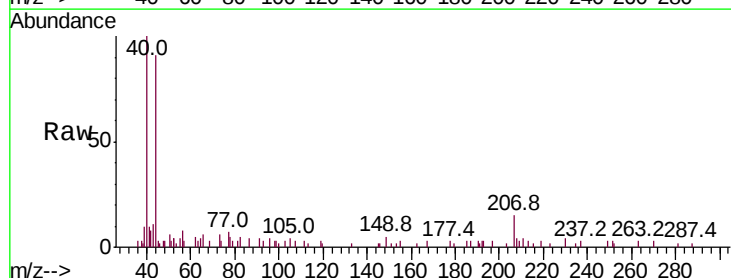
Acq: 24 May 2019 16:51

Tgt Ion:105 Resp: 194

Ion Ratio Lower Upper

105 100

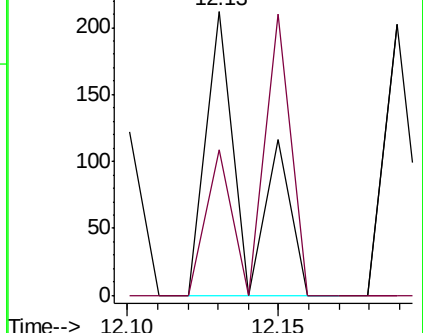
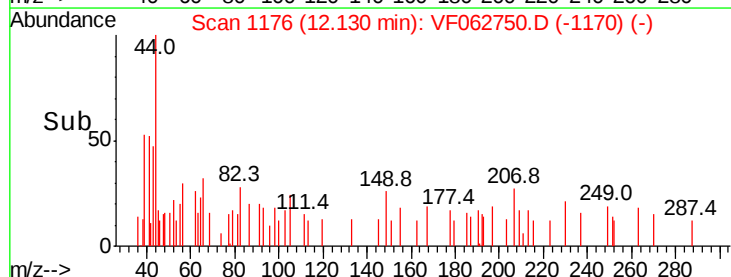
120 51.4 26.7 80.1

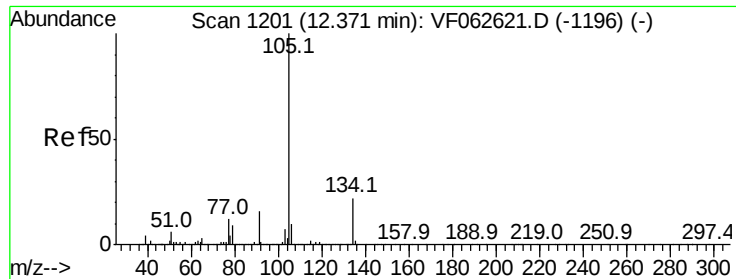


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->

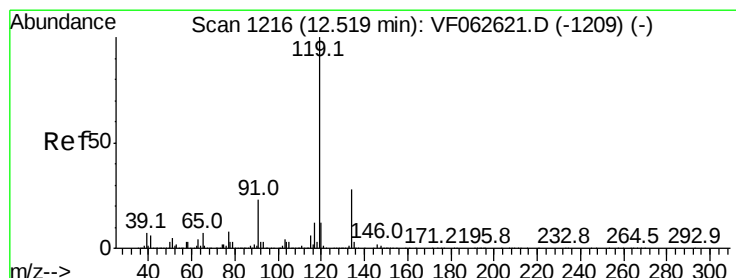
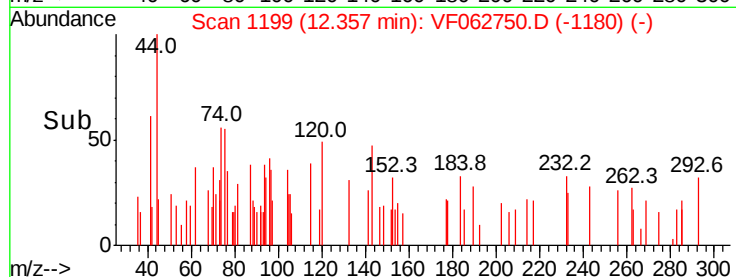
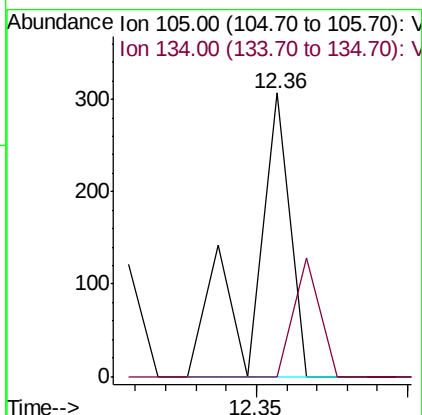
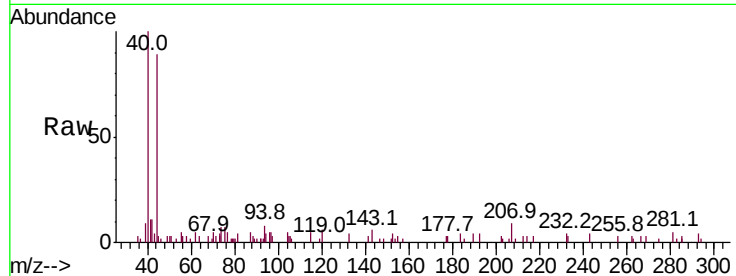




#85
 sec-Butylbenzene
 Concen: 28.809 ug/l
 RT: 12.36 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

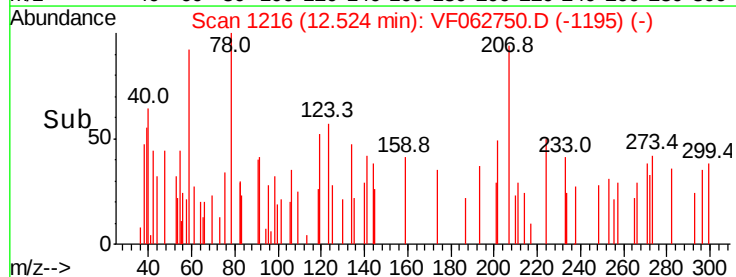
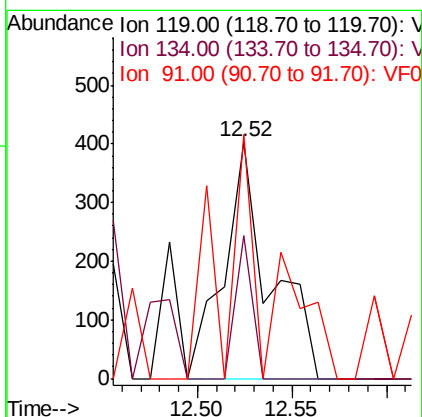
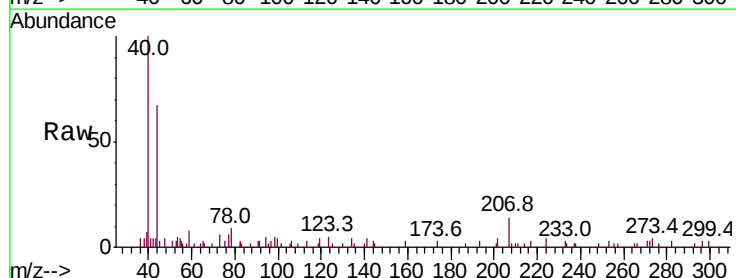
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2-S2

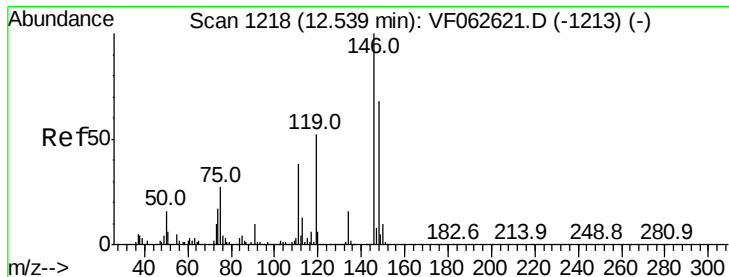
Tot Ion:105 Resp: 266
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 87.260 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Tgt Ion:119 Resp: 679
 Ion Ratio Lower Upper
 119 100
 134 60.5 14.1 42.3#
 91 103.2 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 15.776 ug/l

RT: 12.59 min Scan# 1223

Delta R.T. 0.05 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

TP-2-S2

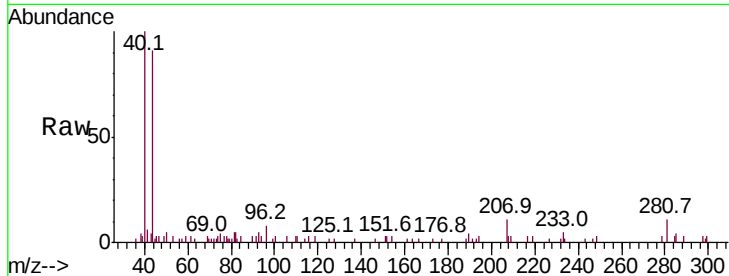
Tot Ion:146 Resp: 60

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.9#

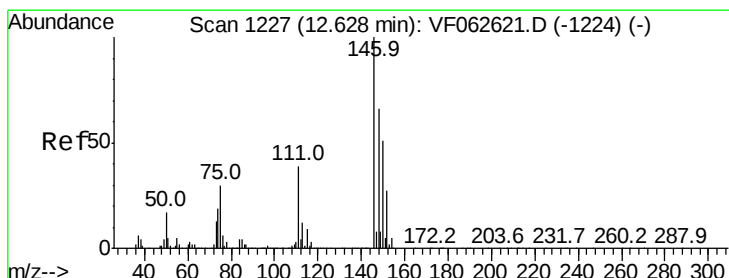
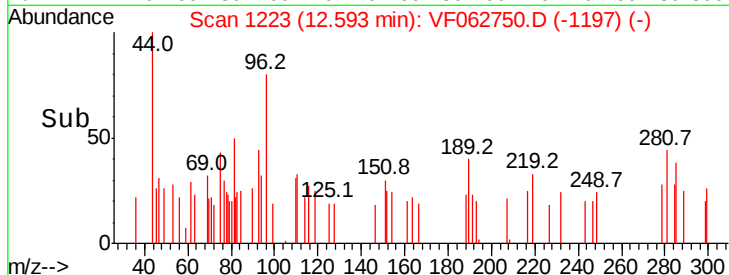
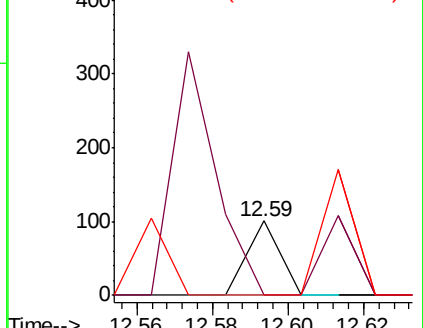
148 0.0 34.0 101.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 16.811 ug/l

RT: 12.59 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

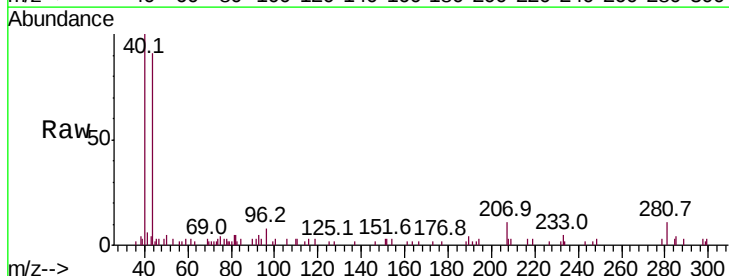
Tgt Ion:146 Resp: 60

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

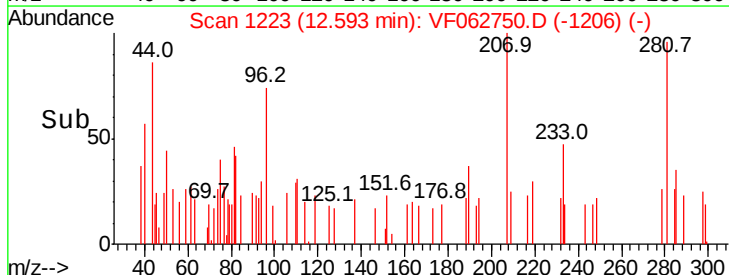
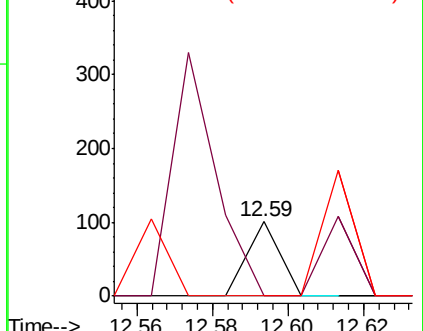
148 0.0 33.2 99.6#

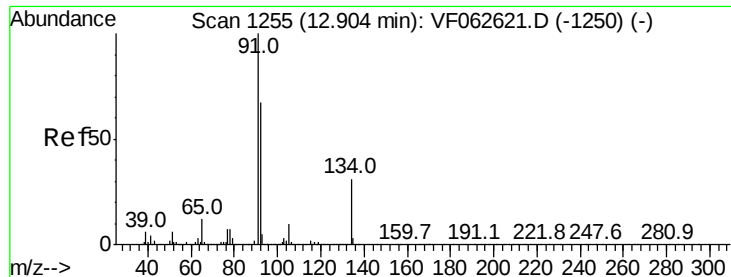


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 41.971 ug/l

RT: 12.95 min Scan# 1259

Delta R.T. 0.04 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampleId :

TP-2-S2

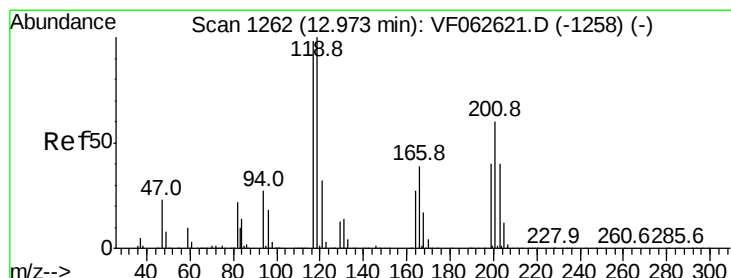
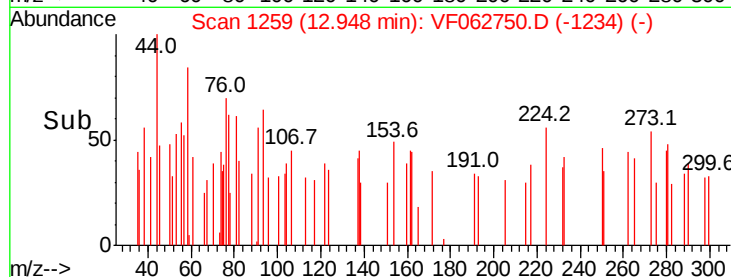
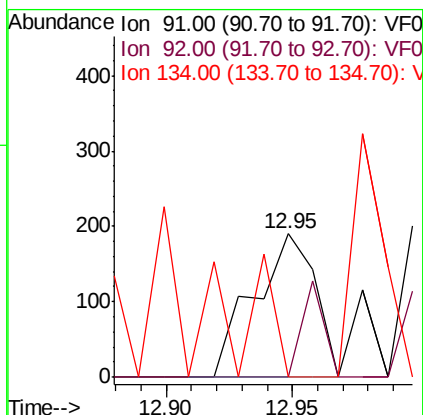
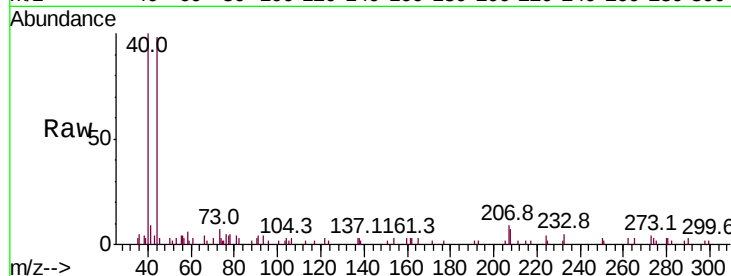
Tot Ion: 91 Resp: 322

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 73.394 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.07 min

Lab File: VF062750.D

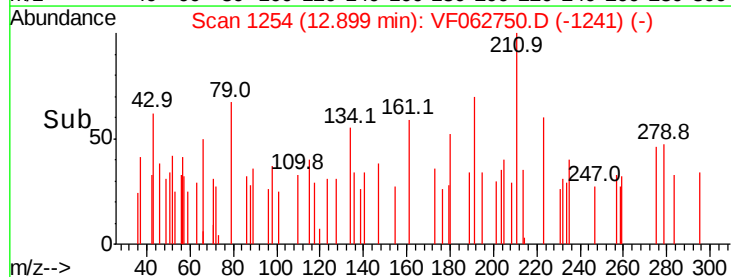
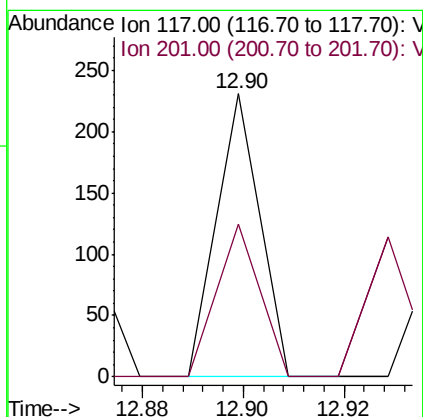
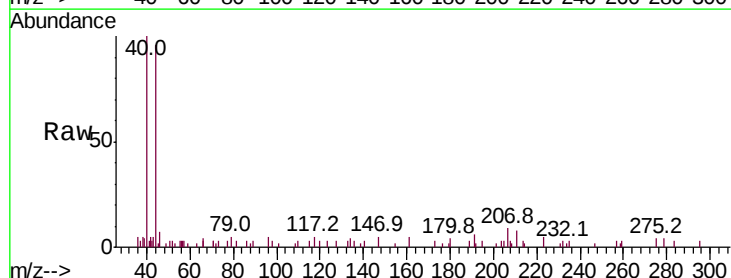
Acq: 24 May 2019 16:51

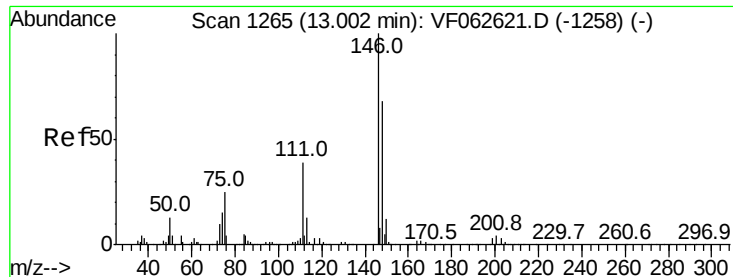
Tgt Ion: 117 Resp: 137

Ion Ratio Lower Upper

117 100

201 54.1 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 97.337 ug/l

RT: 13.04 min Scan# 1268

Delta R.T. 0.03 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

Instrument :

MSVOA_F

ClientSampled :

TP-2-S2

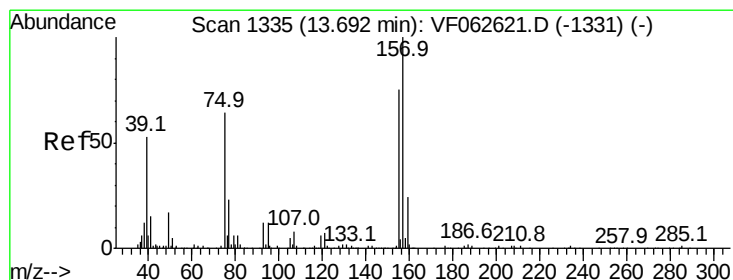
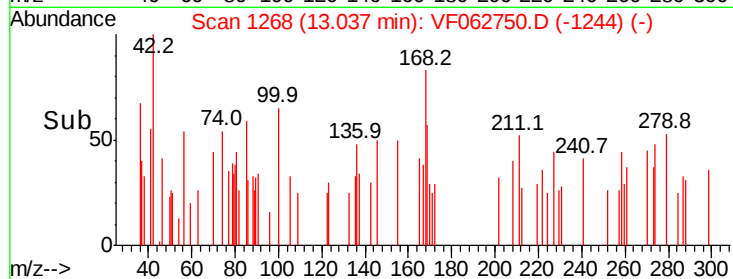
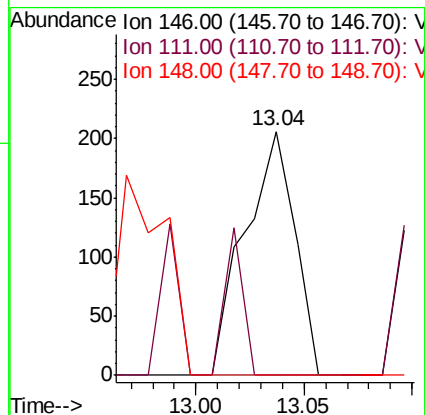
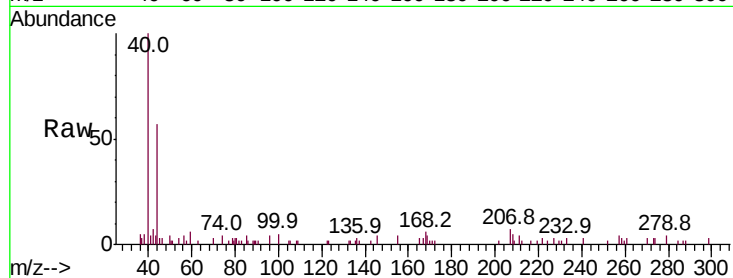
Tot Ion:146 Resp: 330

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

148 0.0 34.1 102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 936.047 ug/l

RT: 13.69 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062750.D

Acq: 24 May 2019 16:51

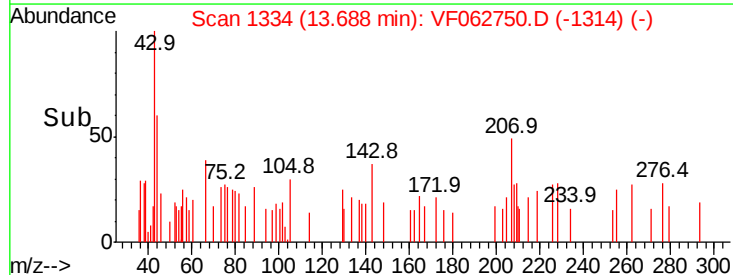
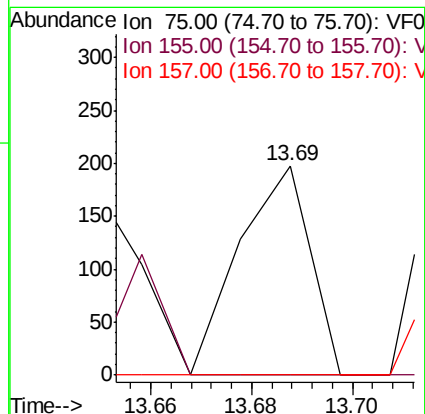
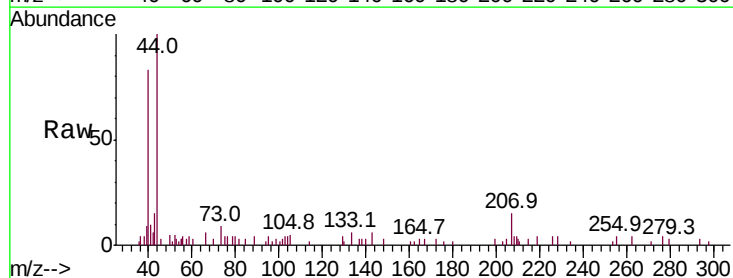
Tgt Ion: 75 Resp: 193

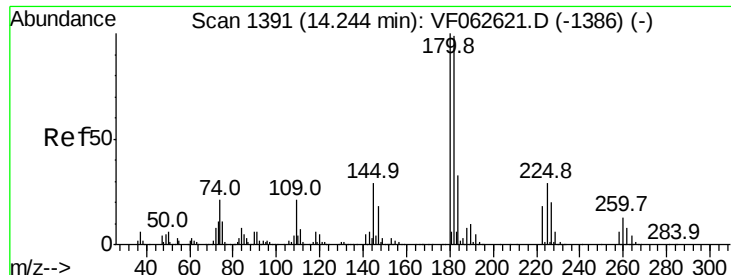
Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#

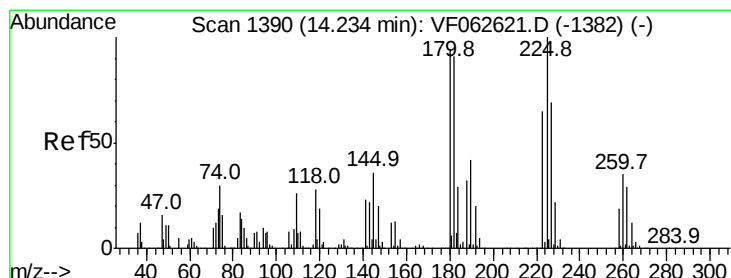
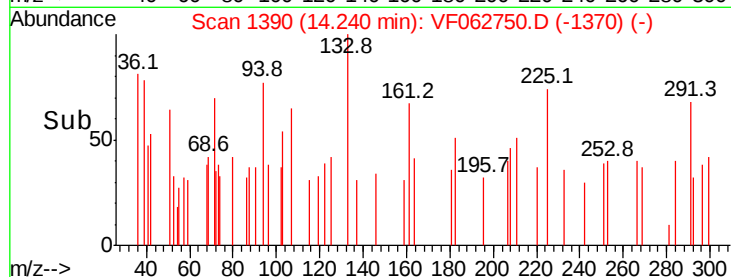
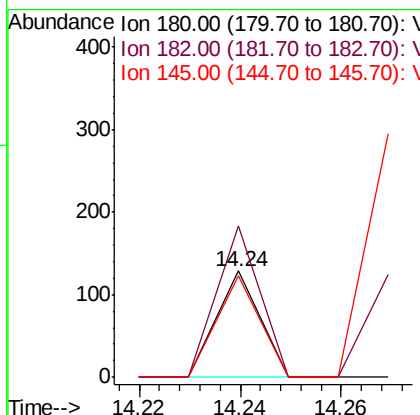
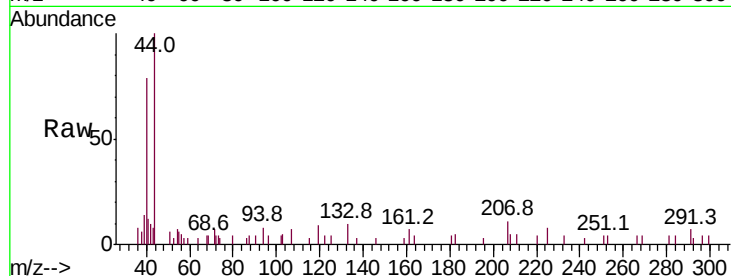




#93
 1,2,4-Trichlorobenzene
 Concen: 31.318 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

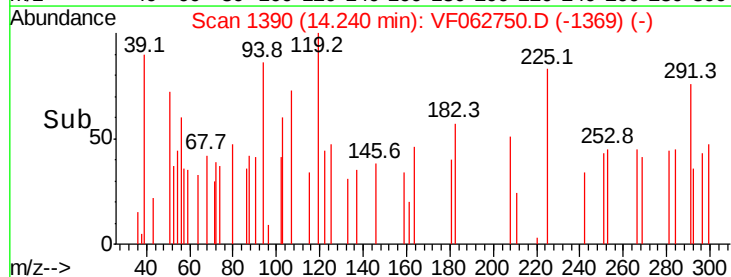
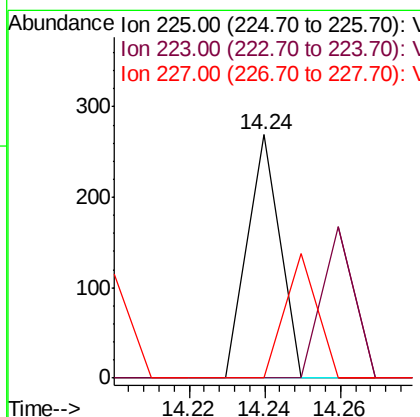
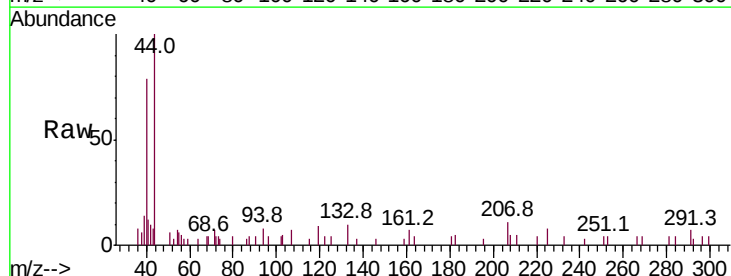
Instrument :
 MSVOA_F
 ClientSampleID :
 TP-2-S2

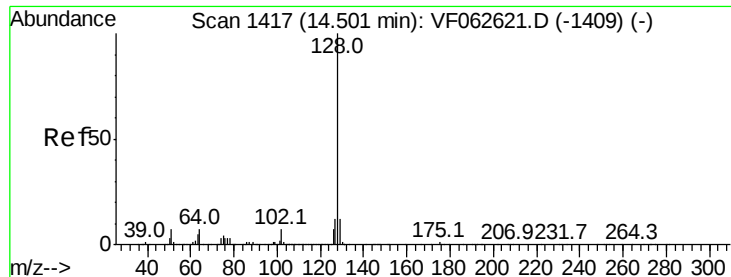
Tot Ion:180 Resp: 76
 Ion Ratio Lower Upper
 180 100
 182 142.6 49.7 149.1
 145 95.3 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 93.885 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062750.D
 Acq: 24 May 2019 16:51

Tgt Ion:225 Resp: 159
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#

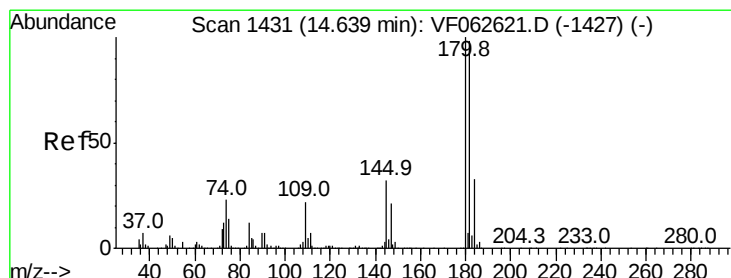
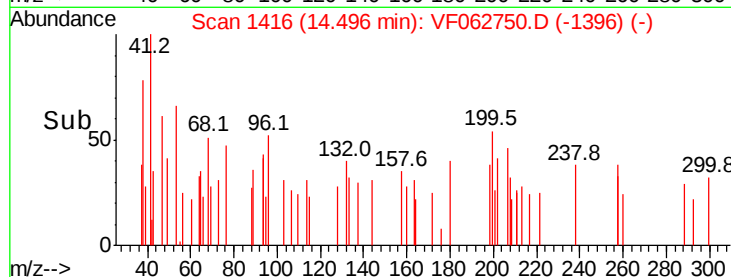
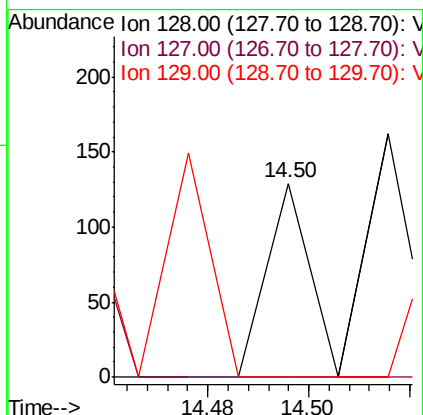
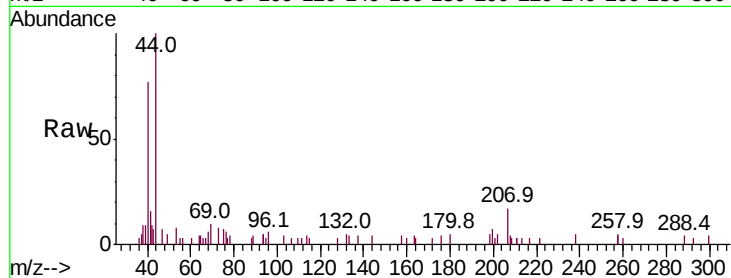




#95
Naphthalene
Concen: 17.239 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Instrument :
MSVOA_F
ClientSampleId :
TP-2-S2

Tot Ion:128 Resp: 76
Ion Ratio Lower Upper
128 100
127 0.0 9.7 14.5#
129 0.0 9.3 13.9#



#96
1,2,3-Trichlorobenzene
Concen: 34.803 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062750.D
Acq: 24 May 2019 16:51

Tgt Ion:180 Resp: 80
Ion Ratio Lower Upper
180 100
182 0.0 48.9 146.7#
145 0.0 16.1 48.2#

