

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062730.D
 Acq On : 23 May 2019 16:47
 Operator : FY/SY
 Sample : K3002-07
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409

Quant Time: May 24 02:15:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	3093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	127	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.84	117	215	50.00	ug/l	-0.08
72) 1,4-Dichlorobenzene-d4	12.57	152	220	50.00	ug/l	-0.05

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	393	17.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	35.96%	
35) Dibromofluoromethane	4.24	113	69	71.00	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	142.00%	
50) Toluene-d8	7.74	98	360	155.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	310.30%	
62) 4-Bromofluorobenzene	11.40	95	485	551.12	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	1102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	326	7.745	ug/l	87
3) Chloromethane	1.02	50	390	10.063	ug/l	97
4) Vinyl Chloride	1.21	62	307	8.605	ug/l #	41
5) Bromomethane	1.43	94	883	45.243	ug/l	96
6) Chloroethane	1.39	64	512	39.077	ug/l #	45
7) Trichlorofluoromethane	1.65	101	147	3.069	ug/l	92
8) Diethyl Ether	1.70	74	308	32.456	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.91	101	195	6.393	ug/l #	19
10) Methyl Iodide	1.97	142	355	5.925	ug/l #	41
11) Tert butyl alcohol	2.72	59	1112	770.619	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	1231	44.304	ug/l #	11
13) Acrolein	2.06	56	264	175.266	ug/l	90
14) Allyl chloride	2.14	41	349	13.878	ug/l	97
15) Acrylonitrile	3.09	53	293	71.982	ug/l #	64
16) Acetone	2.25	43	951	167.715	ug/l	92
17) Carbon Disulfide	1.95	76	245	2.975	ug/l #	1
18) Methyl Acetate	2.45	43	1742	195.499	ug/l #	52
19) Methyl tert-butyl Ether	2.69	73	1964	39.541	ug/l	97
20) Methylene Chloride	2.31	84	261	9.183	ug/l #	33
21) trans-1,2-Dichloroethene	2.48	96	279	10.273	ug/l #	5
22) Diisopropyl ether	2.97	45	1696	27.345	ug/l #	66
23) Vinyl Acetate	3.35	43	570	13.624	ug/l #	73
24) 1,1-Dichloroethane	3.05	63	243	5.341	ug/l #	16
25) 2-Butanone	4.53	43	636	52.499	ug/l #	65
26) 2,2-Dichloropropane	3.74	77	404	15.519	ug/l	82
27) cis-1,2-Dichloroethene	3.65	96	454	10.163	ug/l	1
28) Bromochloromethane	4.06	49	510	19.986	ug/l	81
29) Tetrahydrofuran	4.26	42	247	50.384	ug/l #	1
30) Chloroform	4.07	83	259	4.100	ug/l #	16
31) Cyclohexane	3.86	56	407	6.662	ug/l #	15
32) 1,1,1-Trichloroethane	4.29	97	481	11.465	ug/l #	23
36) 1,1-Dichloropropene	4.43	75	169	129.864	ug/l #	10
37) Ethyl Acetate	4.26	43	492	925.950	ug/l #	37
38) Carbon Tetrachloride	4.17	117	207	211.501	ug/l #	78

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	170	108.566	ug/l #	72
40) Benzene	4.78	78	498	140.469	ug/l #	1
41) Methacrylonitrile	4.90	41	599	2150.266	ug/l #	44
42) 1,2-Dichloroethane	5.03	62	255	360.689	ug/l #	71
43) Isopropyl Acetate	7.09	43	239	347.192	ug/l #	42
44) Trichloroethene	5.62	130	285	286.027	ug/l #	1
45) 1,2-Dichloropropane	6.33	63	378	422.371	ug/l #	74
46) Dibromomethane	6.19	93	168	324.817	ug/l #	3
47) Bromodichloromethane	6.50	83	528	491.739	ug/l #	25
48) Methyl methacrylate	6.84	41	1069	2971.062	ug/l #	35
49) 1,4-Dioxane	6.84	88	180	39059.574	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	1106	2350.522	ug/l #	1
52) Toluene	7.84	92	63	33.884	ug/l #	81
53) t-1,3-Dichloropropene	8.34	75	402	457.624	ug/l #	75
54) cis-1,3-Dichloropropene	7.42	75	485	394.412	ug/l #	1
55) 1,1,2-Trichloroethane	8.58	97	238	432.326	ug/l #	70
56) Ethyl methacrylate	8.70	69	209	318.663	ug/l #	1
57) 1,3-Dichloropropane	8.92	76	88	93.848	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.37	63	220	1030.520	ug/l #	38
59) 2-Hexanone	9.64	43	646	2252.999	ug/l #	89
60) Dibromochloromethane	8.79	129	68	94.774	ug/l #	12
61) 1,2-Dibromoethane	9.17	107	73	124.845	ug/l #	89
64) Tetrachloroethene	8.28	164	376	220.750	ug/l #	50
65) Chlorobenzene	9.94	112	71	16.813	ug/l #	8
66) 1,1,1,2-Tetrachloroethane	10.10	131	66	38.933	ug/l #	6
67) Ethyl Benzene	10.01	91	334	45.529	ug/l #	95
68) m/p-Xylenes	10.36	106	68	24.663	ug/l #	98
69) o-Xylene	10.83	106	89	31.339	ug/l #	1
70) Styrene	10.94	104	74	17.144	ug/l #	1
71) Bromoform	10.89	173	190	223.783	ug/l #	27
73) Isopropylbenzene	11.31	105	351	22.261	ug/l #	97
74) N-amyl acetate	11.47	43	1875	517.855	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.75	83	1733	537.805	ug/l #	66
76) 1,2,3-Trichloropropane	11.90	75	191	90.210	ug/l #	85
77) Bromobenzene	11.64	156	265	67.613	ug/l #	43
78) n-propylbenzene	11.54	91	562	30.117	ug/l #	86
79) 2-Chlorotoluene	11.85	91	706	67.133	ug/l #	71
80) 1,3,5-Trimethylbenzene	11.83	105	899	71.105	ug/l #	62
81) trans-1,4-Dichloro-2-buten	11.98	75	162	172.130	ug/l #	95
82) 4-Chlorotoluene	11.99	91	418	40.306	ug/l #	87
83) tert-Butylbenzene	12.19	119	606	47.243	ug/l #	69
84) 1,2,4-Trimethylbenzene	12.28	105	1299	106.153	ug/l #	65
85) sec-Butylbenzene	12.37	105	680	39.502	ug/l #	97
86) p-Isopropyltoluene	12.52	119	196	13.510	ug/l #	48
87) 1,3-Dichlorobenzene	12.52	146	105	14.808	ug/l #	12
88) 1,4-Dichlorobenzene	12.64	146	195	29.304	ug/l #	1
89) n-Butylbenzene	12.93	91	668	46.701	ug/l #	25
90) Hexachloroethane	13.08	117	335	96.260	ug/l #	88
91) 1,2-Dichlorobenzene	13.00	146	77	12.182	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	321	835.035	ug/l #	25

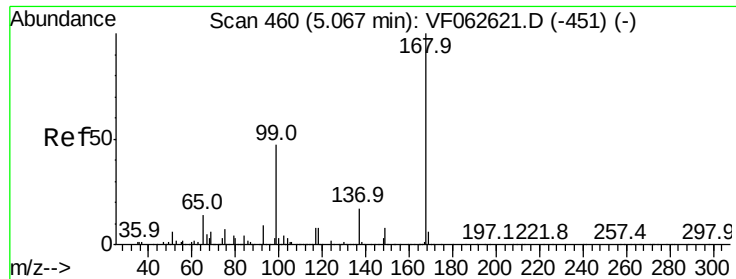
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	70	15.472	ug/l #	11
94) Hexachlorobutadiene	14.25	225	137	43.389	ug/l #	16
95) Naphthalene	14.49	128	229	27.860	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.73	180	86	20.067	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

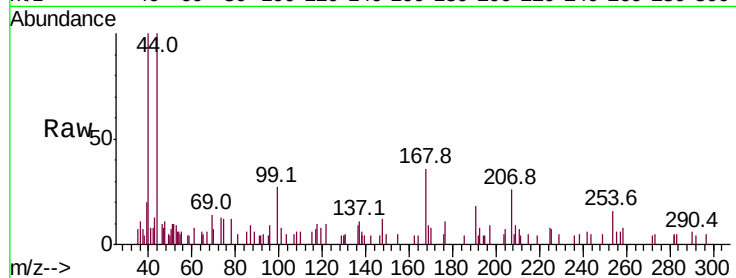
21-C5-20190409

Tot Ion:168 Resp: 3093

Ion Ratio Lower Upper

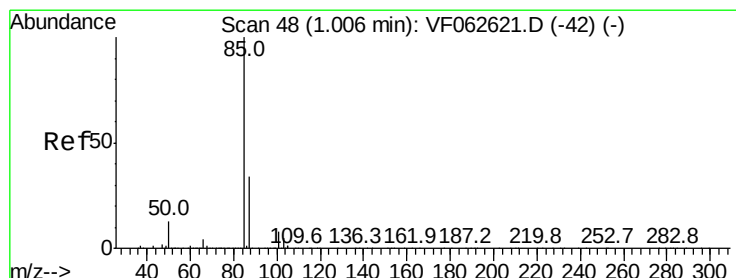
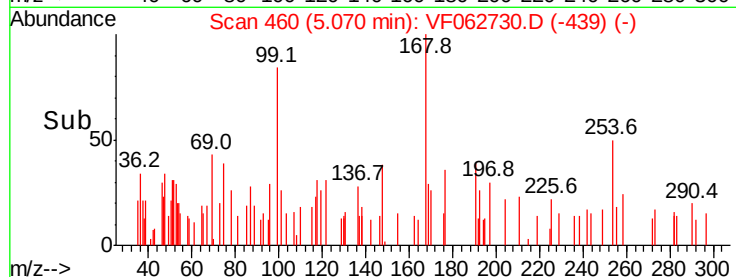
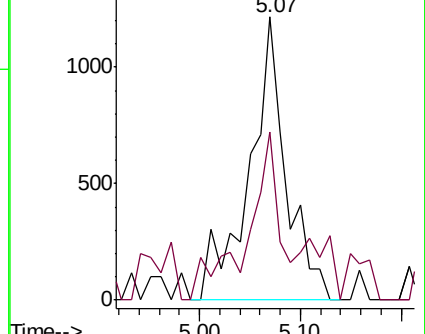
168 100

99 59.4 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: 7.745 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.12 min

Lab File: VF062730.D

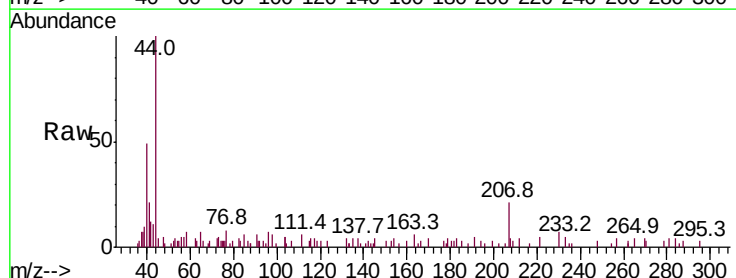
Acq: 23 May 2019 16:47

Tgt Ion: 85 Resp: 326

Ion Ratio Lower Upper

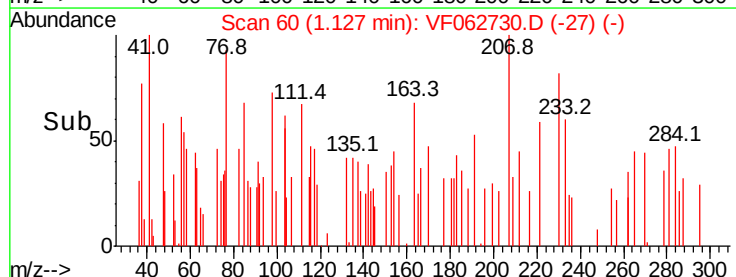
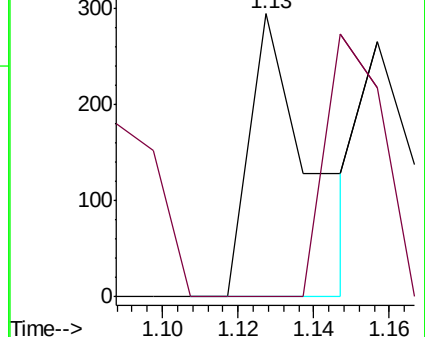
85 100

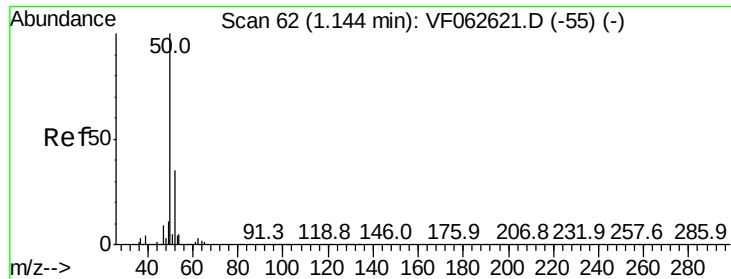
87 41.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 10.063 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.13 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

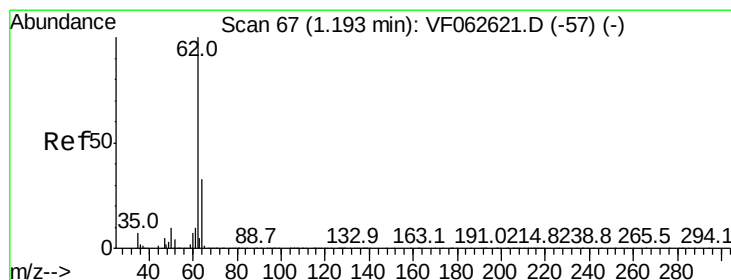
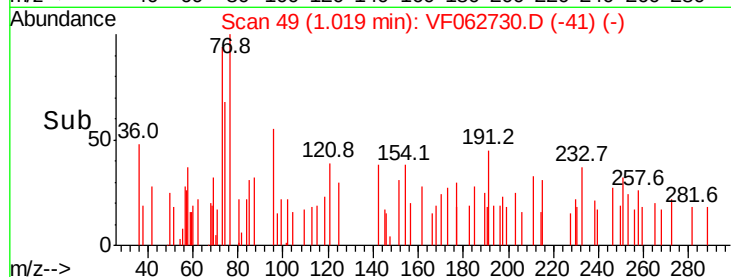
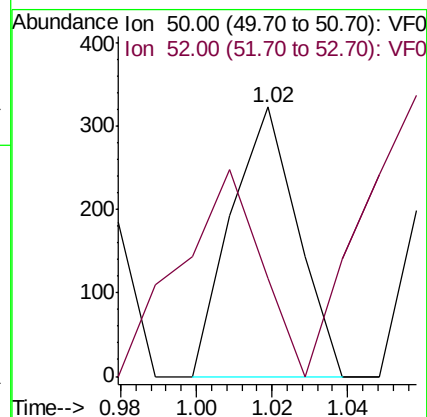
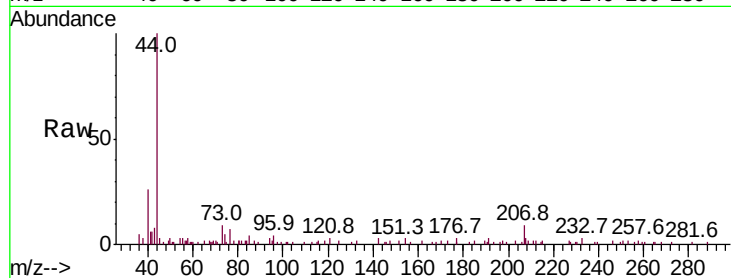
21-C5-20190409

Tot Ion: 50 Resp: 390

Ion Ratio Lower Upper

50 100

52 36.3 27.5 41.3



#4

Vinyl Chloride

Concen: 8.605 ug/l

RT: 1.21 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062730.D

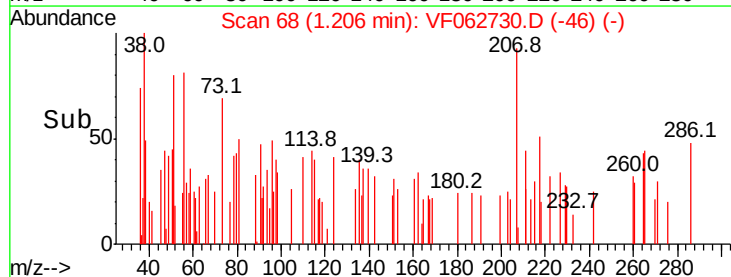
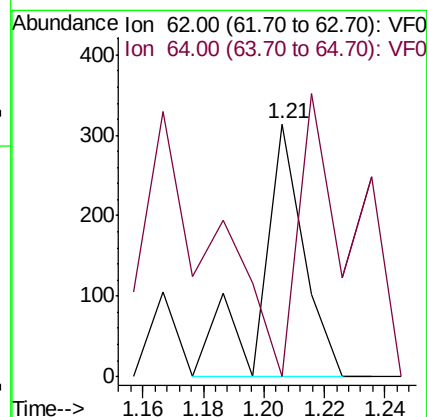
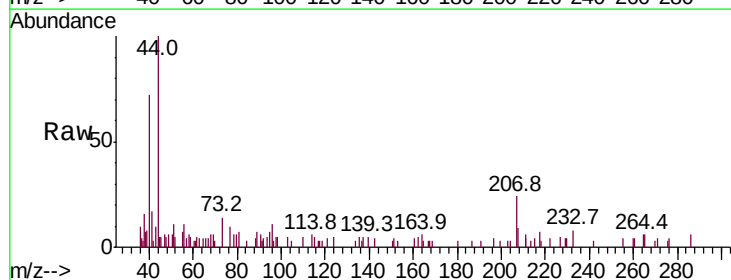
Acq: 23 May 2019 16:47

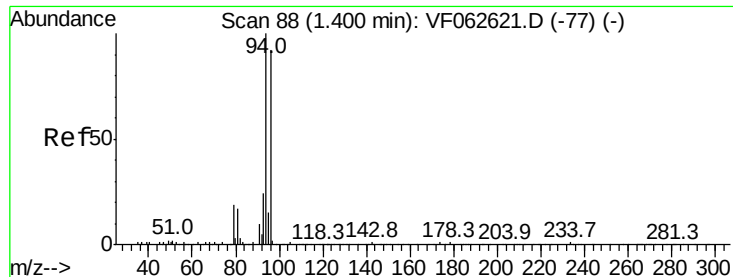
Tgt Ion: 62 Resp: 307

Ion Ratio Lower Upper

62 100

64 0.0 26.7 40.1#





#5

Bromomethane

Concen: 45.243 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.03 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

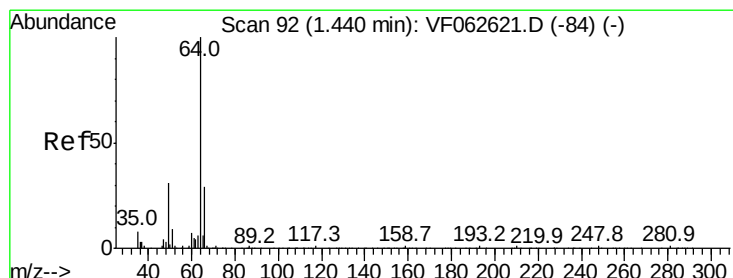
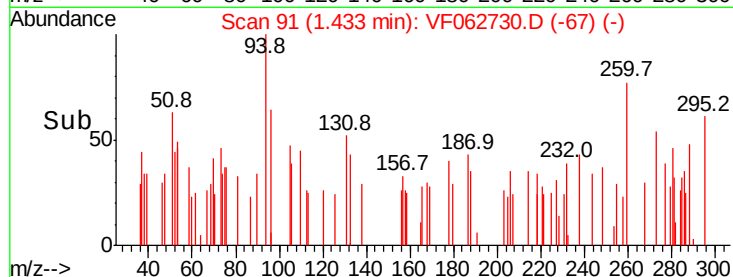
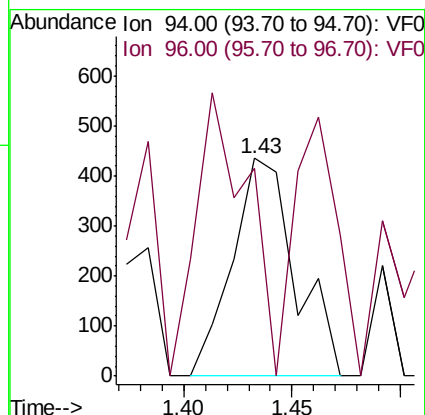
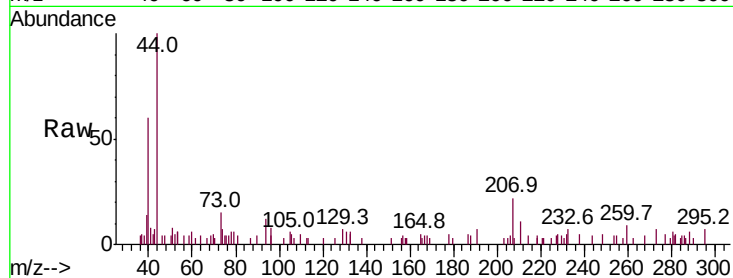
21-C5-20190409

Tot Ion: 94 Resp: 883

Ion Ratio Lower Upper

94 100

96 95.6 73.2 109.8



#6

Chloroethane

Concen: 39.077 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.05 min

Lab File: VF062730.D

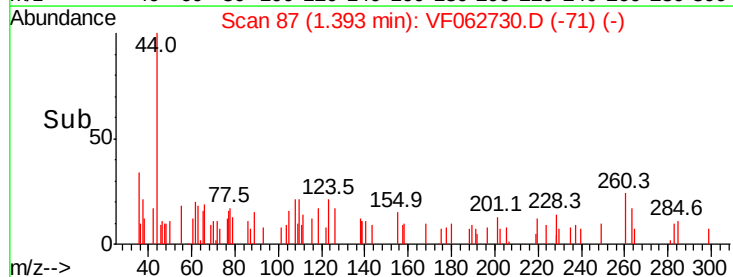
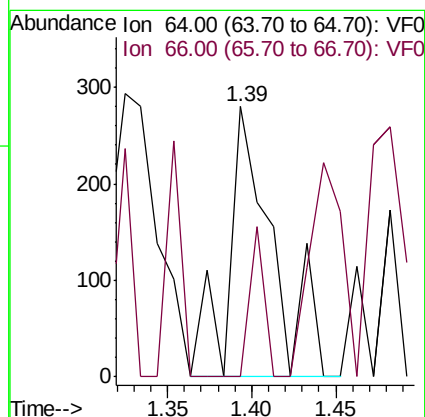
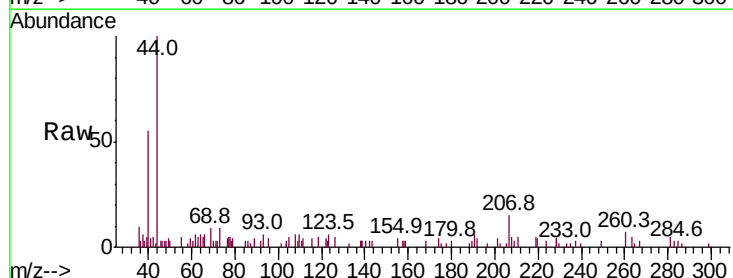
Acq: 23 May 2019 16:47

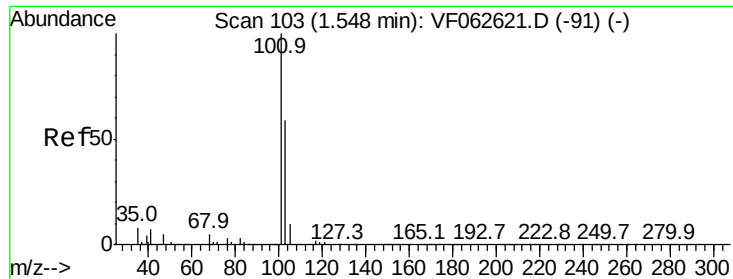
Tgt Ion: 64 Resp: 512

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



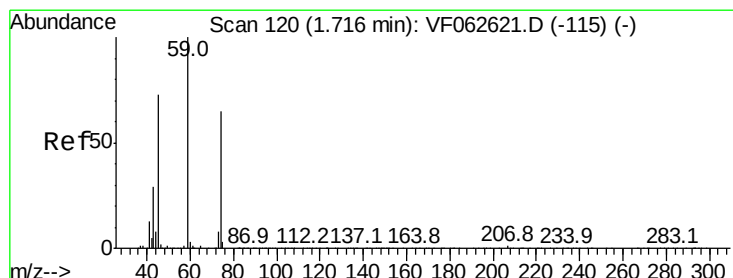
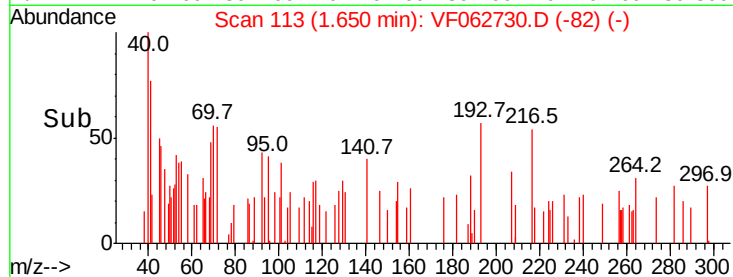
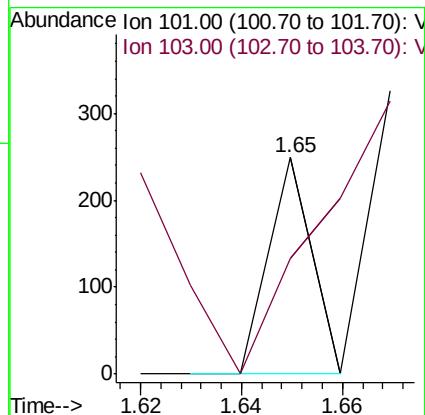


#7

Trichlorofluoromethane
Concen: 3.069 ug/l
RT: 1.65 min Scan# 113
Delta R.T. 0.10 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Instrument :
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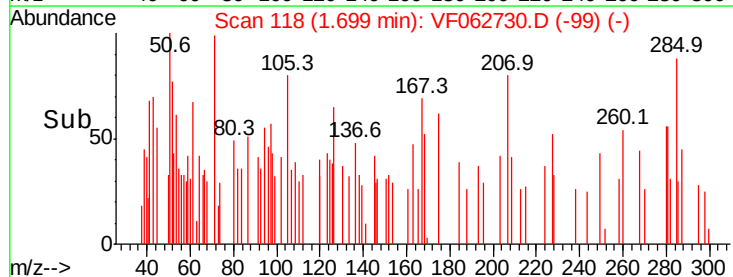
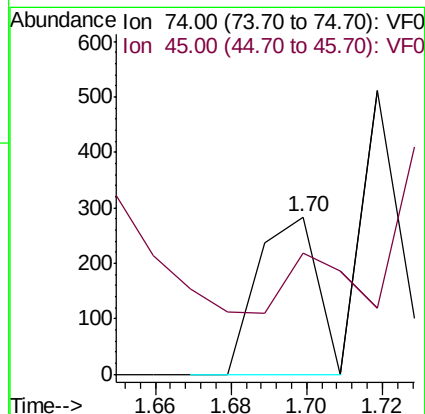
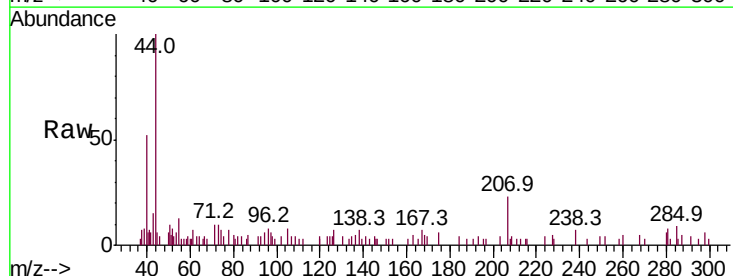
Tot Ion:101 Resp: 147
Ion Ratio Lower Upper
101 100
103 53.4 47.3 70.9

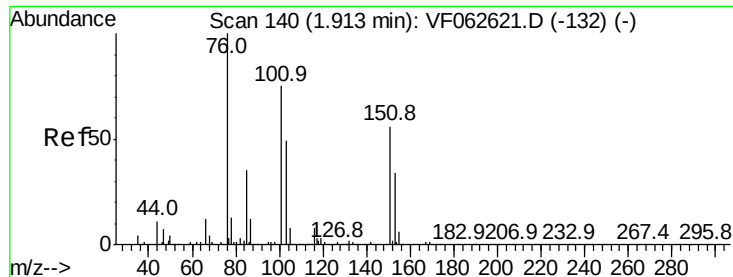


#8

Diethyl Ether
Concen: 32.456 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.02 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 74 Resp: 308
Ion Ratio Lower Upper
74 100
45 77.4 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.393 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

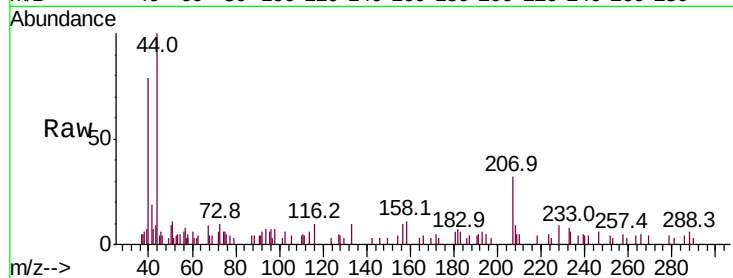
Tot Ion:101 Resp: 195

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

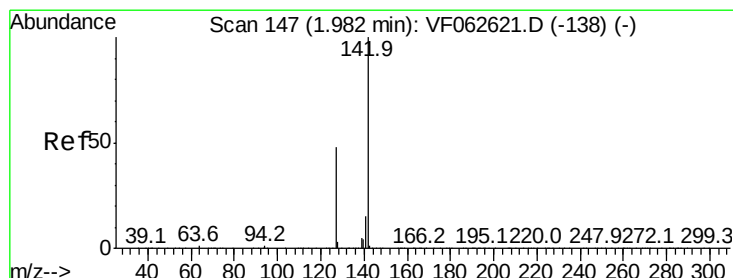
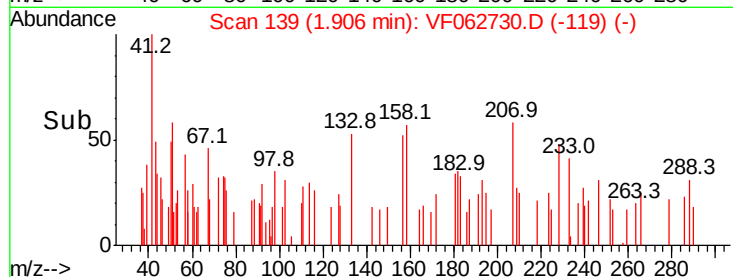
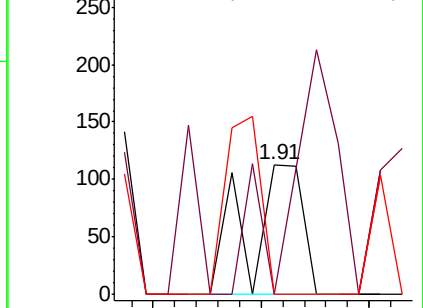
151 0.0 58.8 88.2#



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: 5.925 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

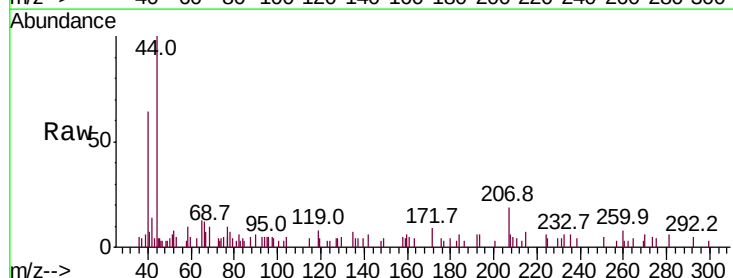
Tgt Ion:142 Resp: 355

Ion Ratio Lower Upper

142 100

127 56.8 38.1 57.1

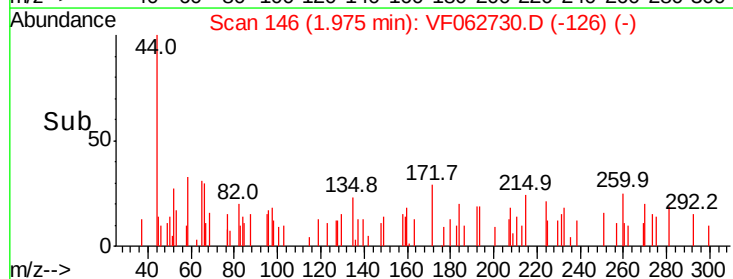
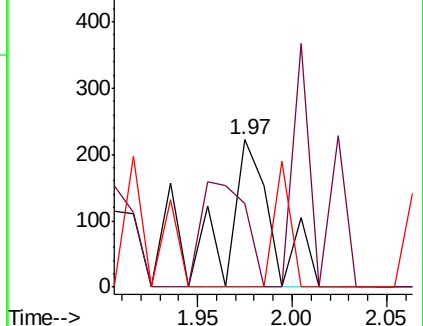
141 100.0 11.7 17.5#

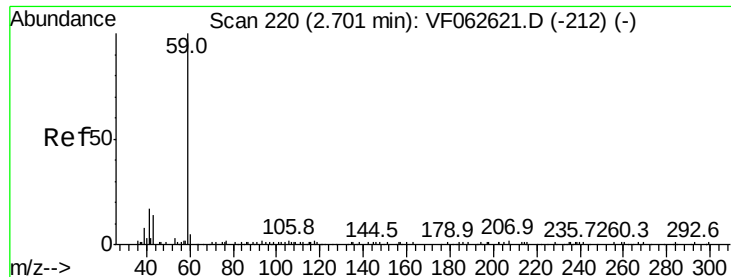


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



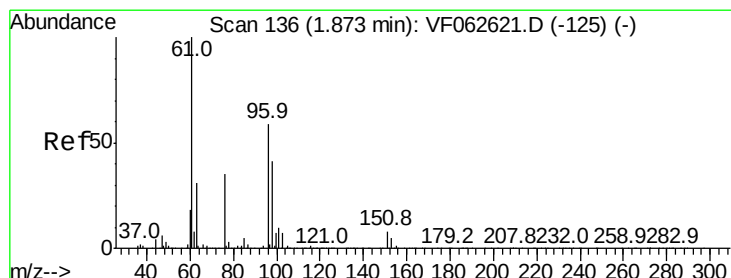
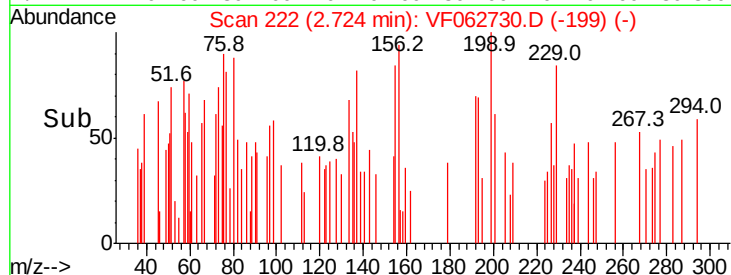
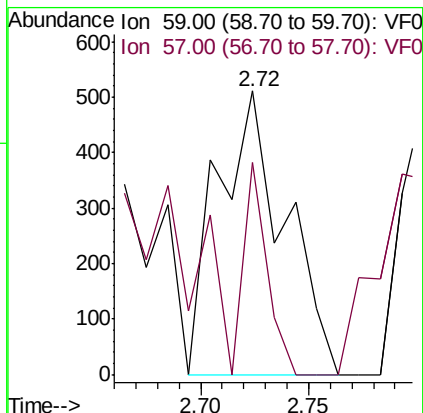
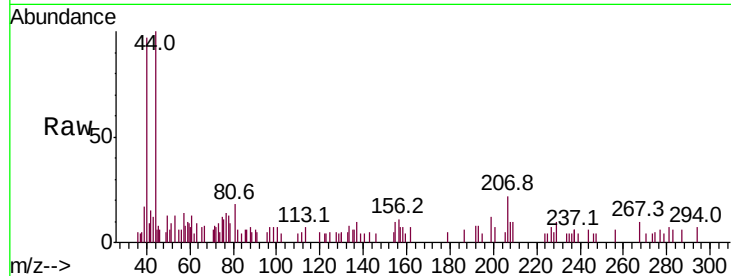


#11

Tert butyl alcohol
Concen: 770.619 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

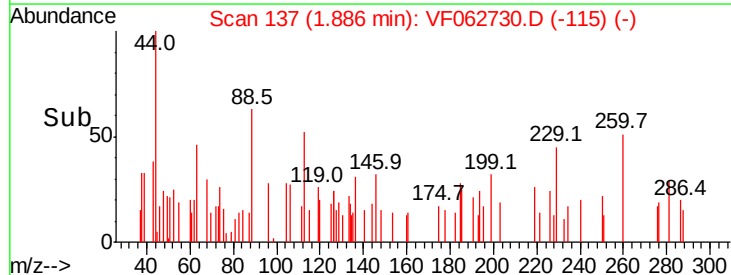
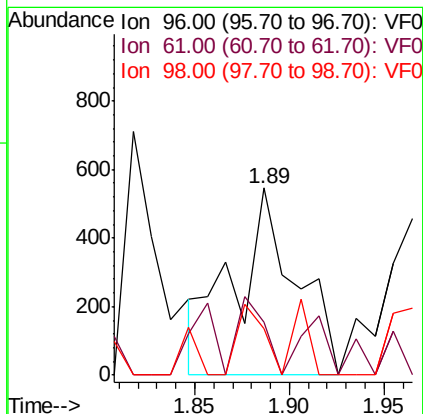
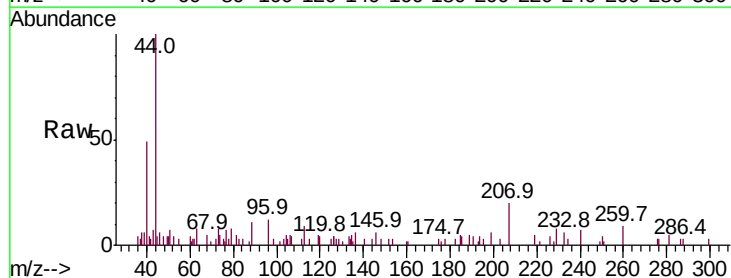
Tot Ion: 59 Resp: 1112
Ion Ratio Lower Upper
59 100
57 74.8 9.3 13.9#

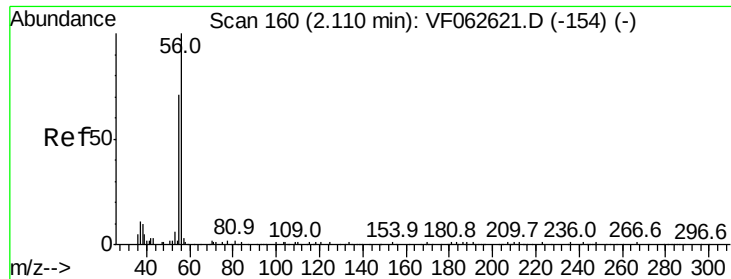


#12

1,1-Dichloroethene
Concen: 44.304 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 96 Resp: 1231
Ion Ratio Lower Upper
96 100
61 28.2 134.3 201.5#
98 25.1 55.0 82.6#

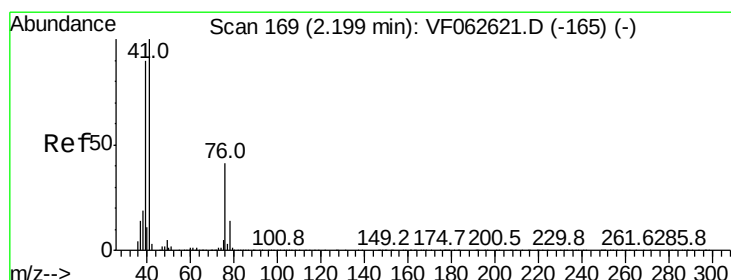
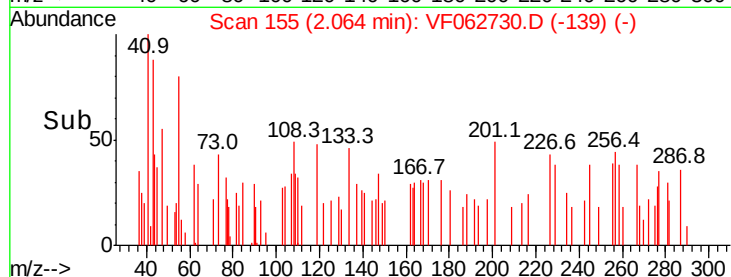
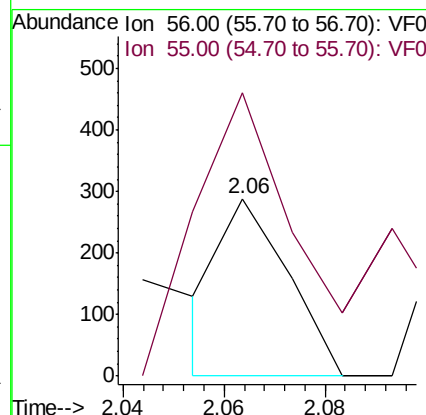
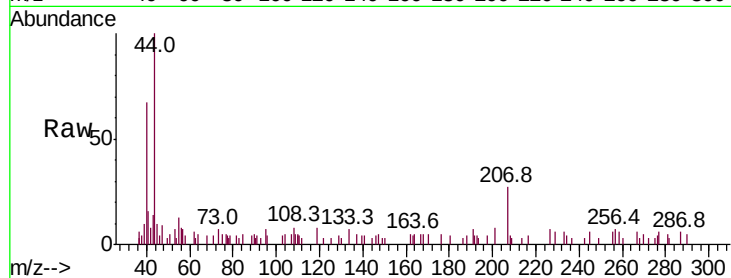




#13
Acrolein
Concen: 175.266 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

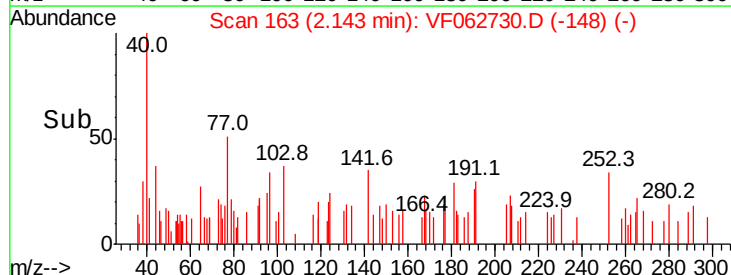
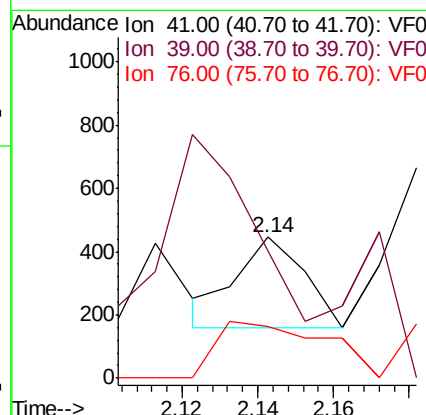
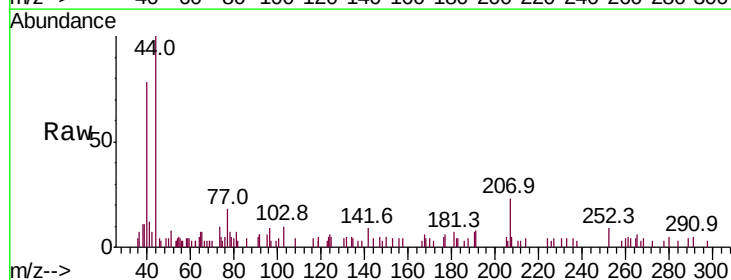
Instrument :
MSVOA_F
ClientSampled :
21-C5-20190409

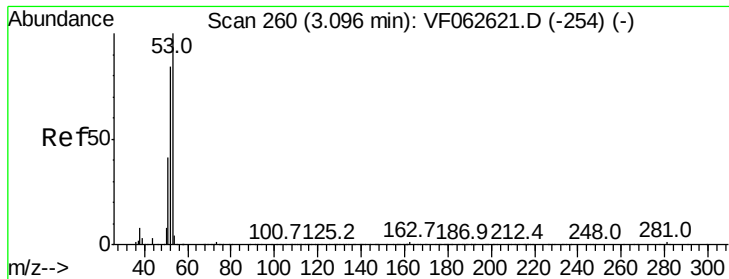
Tot Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 82.9 59.4 89.0



#14
Allyl chloride
Concen: 13.878 ug/l
RT: 2.14 min Scan# 163
Delta R.T. -0.06 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 41 Resp: 349
Ion Ratio Lower Upper
41 100
39 89.9 72.0 108.0
76 37.0 34.8 52.2





#15

Acrylonitrile

Concen: 71.982 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

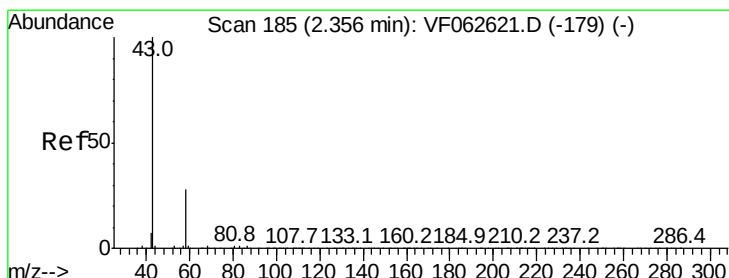
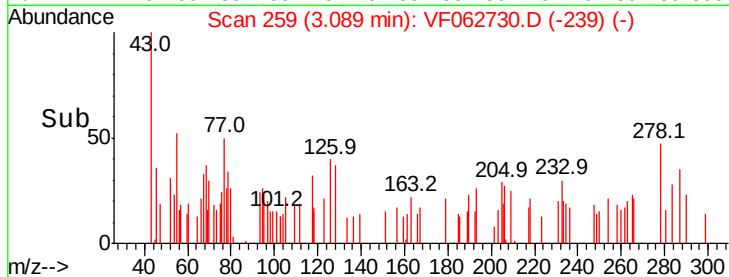
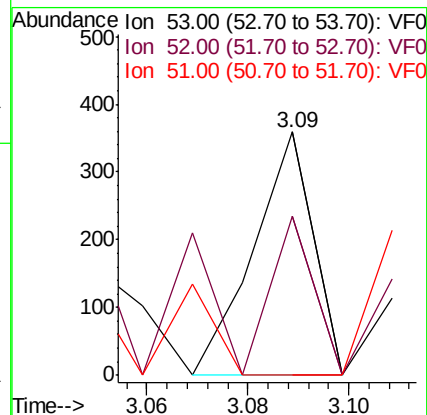
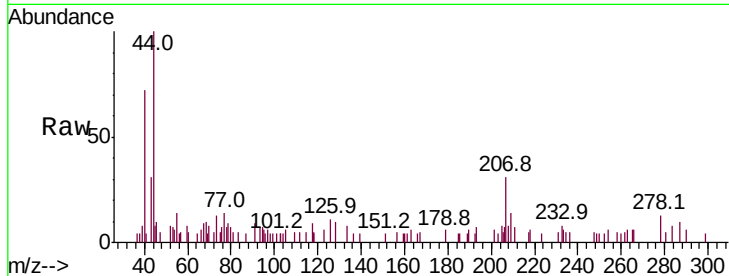
Tot Ion: 53 Resp: 293

Ion Ratio Lower Upper

53 100

52 65.2 67.3 100.9#

51 0.0 33.0 49.6#



#16

Acetone

Concen: 167.715 ug/l

RT: 2.25 min Scan# 174

Delta R.T. -0.11 min

Lab File: VF062730.D

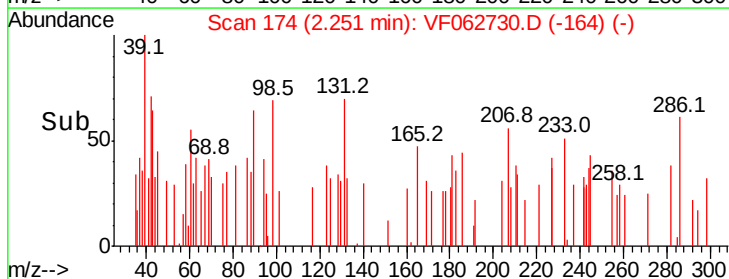
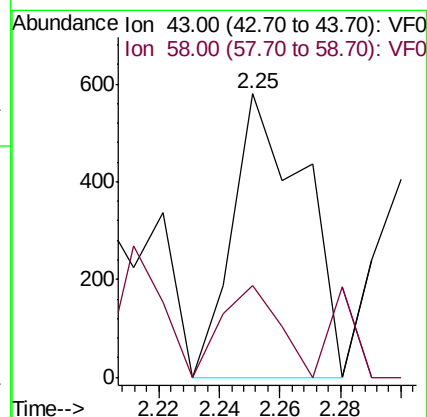
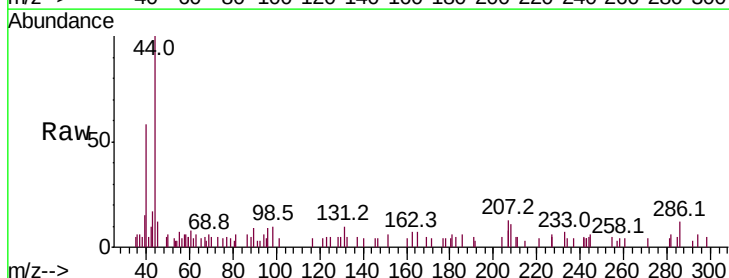
Acq: 23 May 2019 16:47

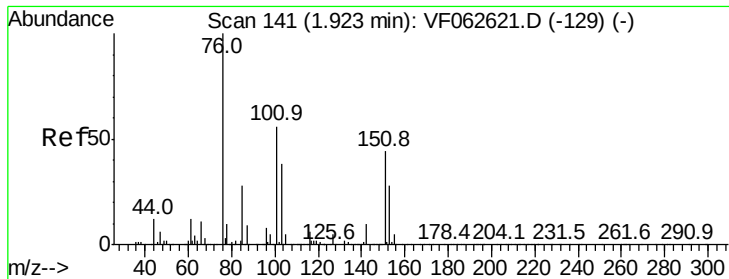
Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 32.4 22.6 33.8

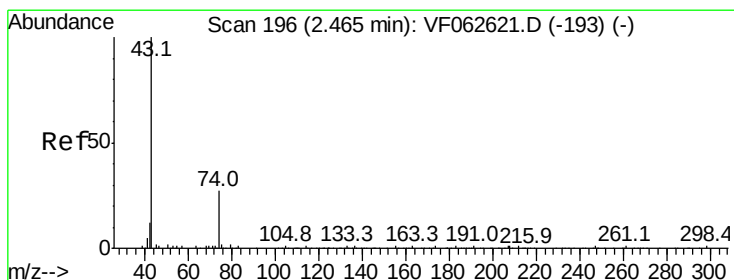
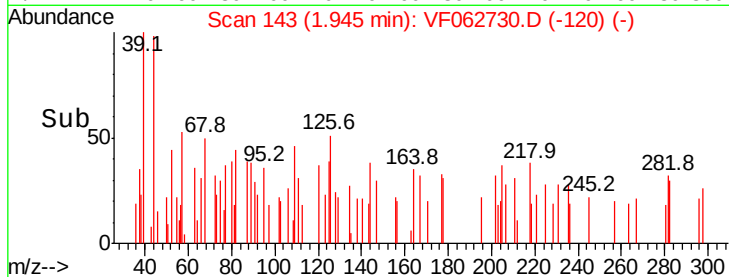
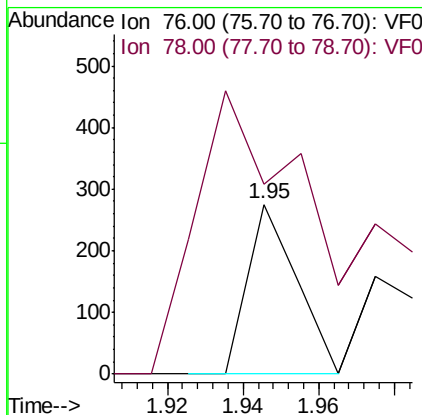
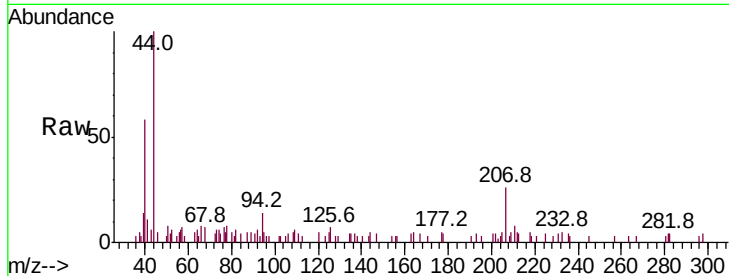




#17
Carbon Disulfide
Concen: 2.975 ug/l
RT: 1.95 min Scan# 143
Delta R.T. 0.02 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

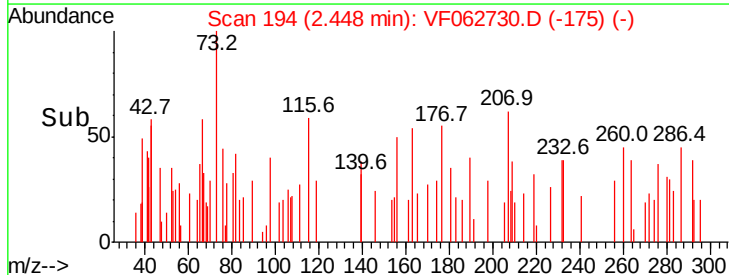
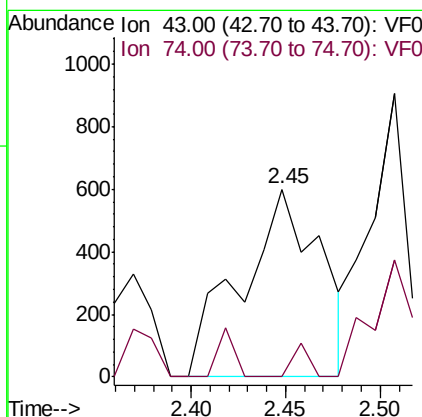
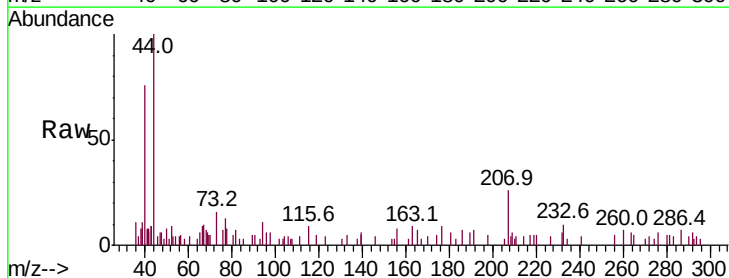
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

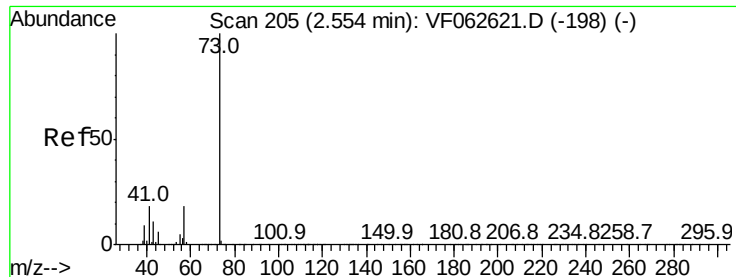
Tot Ion: 76 Resp: 245
Ion Ratio Lower Upper
76 100
78 111.6 8.4 12.6#



#18
Methyl Acetate
Concen: 195.499 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#





#19

Methyl tert-butyl Ether

Concen: 39.541 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.14 min

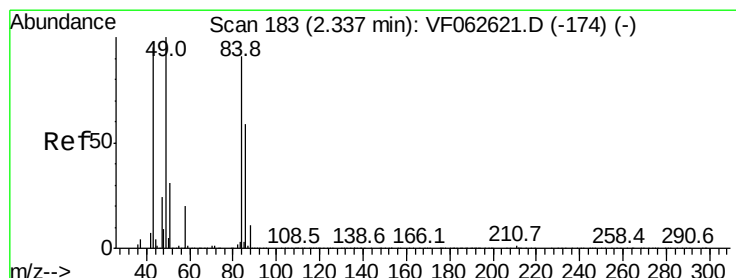
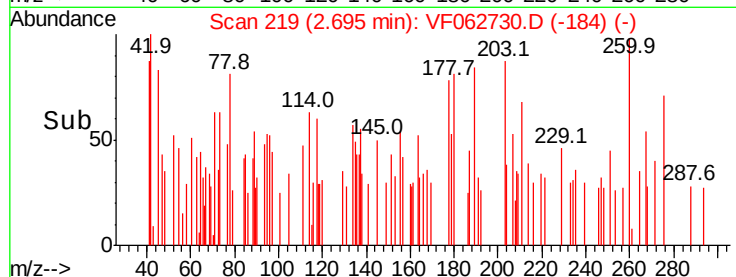
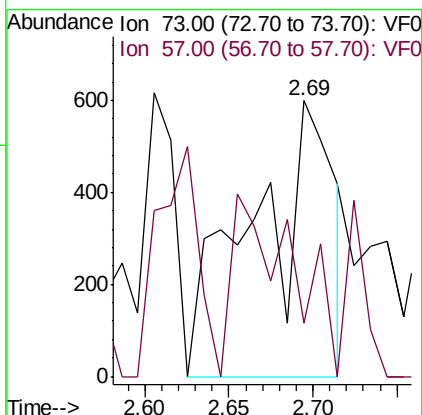
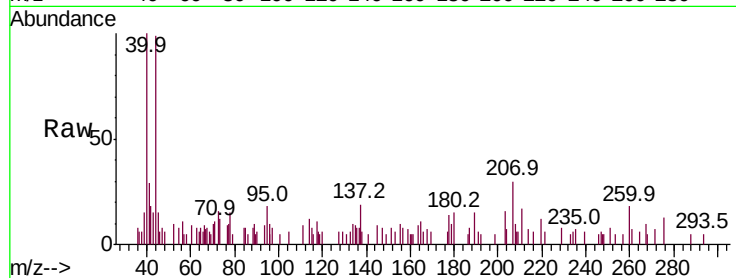
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

Tot Ion: 73 Resp: 1964

Ion	Ratio	Lower	Upper
73	100		
57	19.2	14.2	21.4



#20

Methylene Chloride

Concen: 9.183 ug/l

RT: 2.31 min Scan# 180

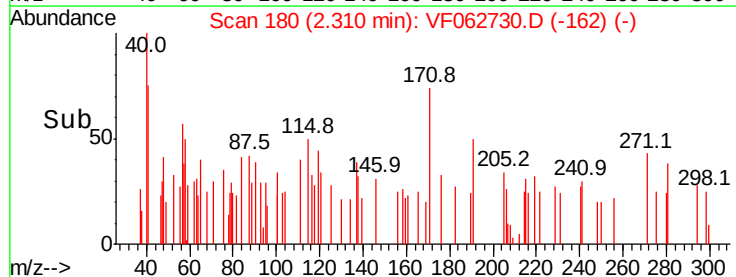
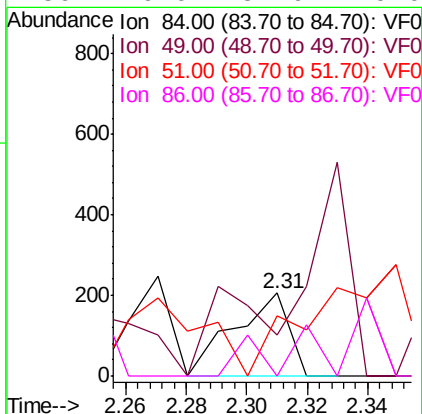
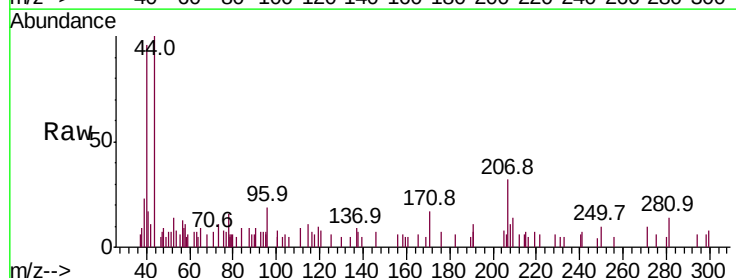
Delta R.T. -0.03 min

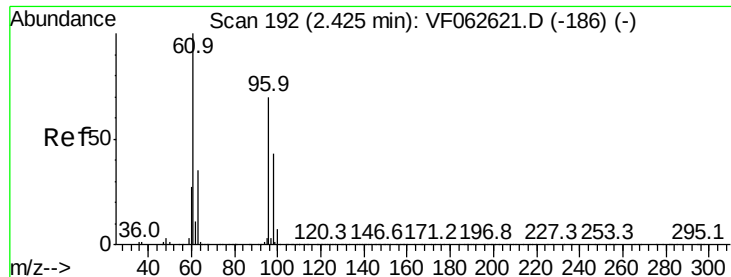
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion: 84 Resp: 261

Ion	Ratio	Lower	Upper
84	100		
49	49.0	89.8	134.8#
51	71.8	28.4	42.6#
86	0.0	52.6	79.0#





#21

trans-1,2-Dichloroethene

Concen: 10.273 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.05 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampled :

21-C5-20190409

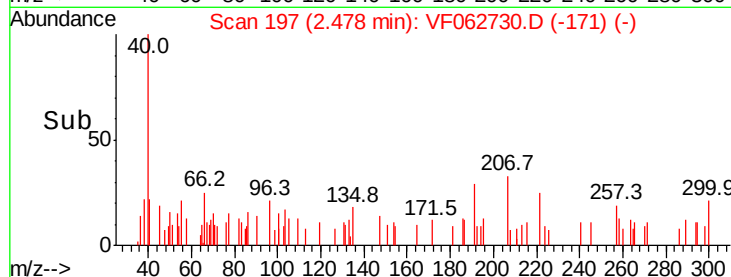
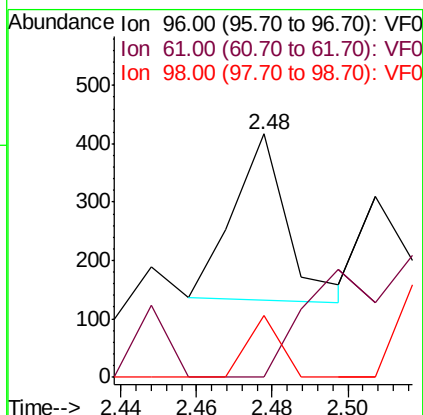
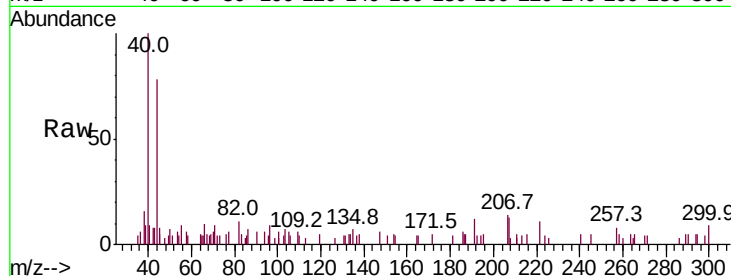
Tot Ion: 96 Resp: 279

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 25.2 49.5 74.3#



#22

Diisopropyl ether

Concen: 27.345 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion: 45 Resp: 1696

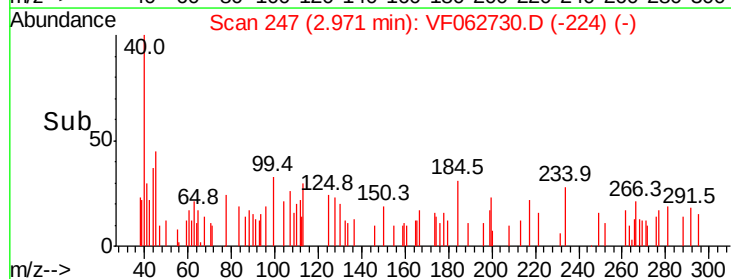
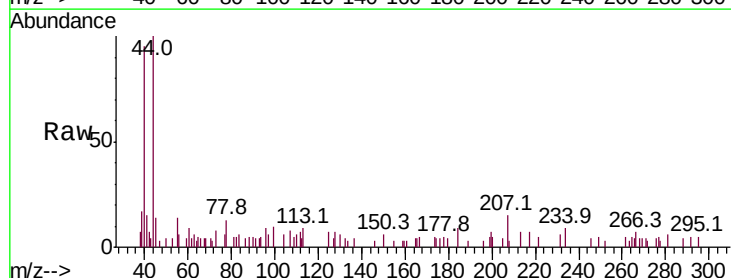
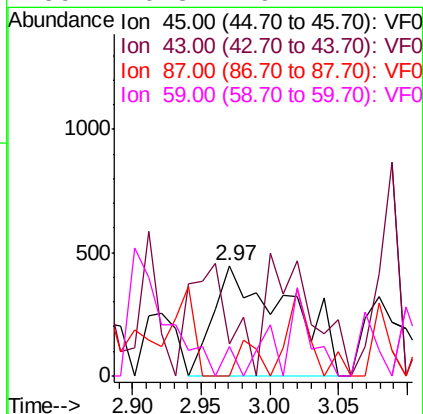
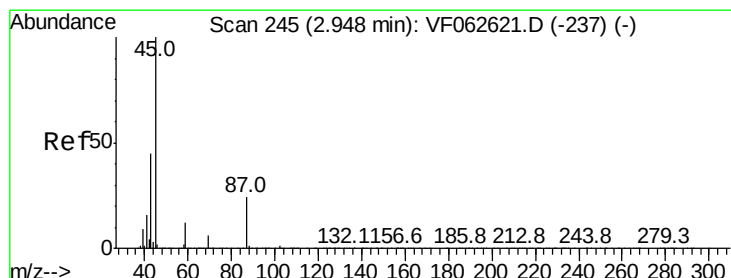
Ion Ratio Lower Upper

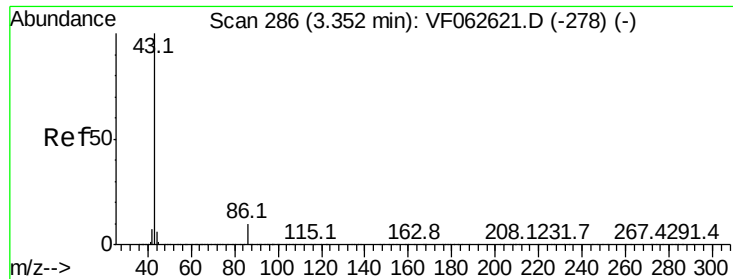
45 100

43 28.5 36.4 54.6#

87 0.0 19.3 28.9#

59 26.3 9.4 14.2#

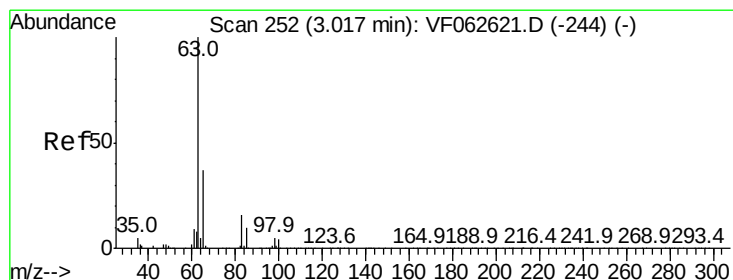
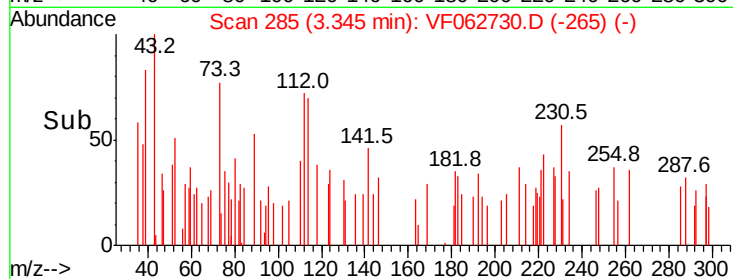
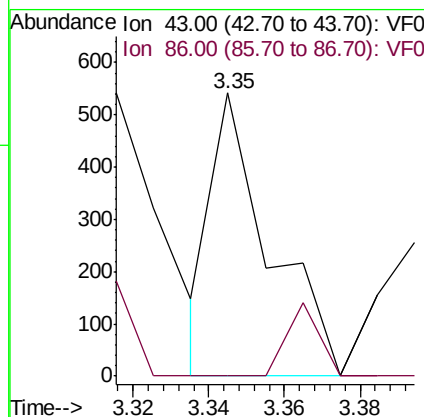
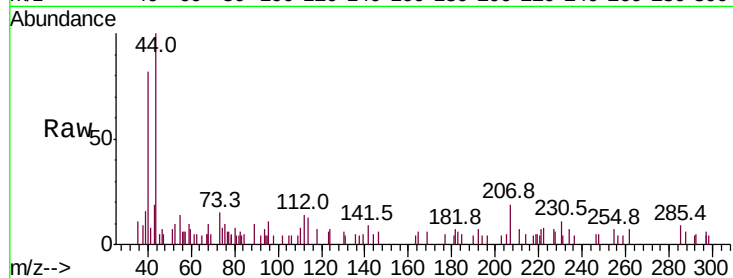




#23
 Vinyl Acetate
 Concen: 13.624 ug/l
 RT: 3.35 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VF062730.D
 Acq: 23 May 2019 16:47

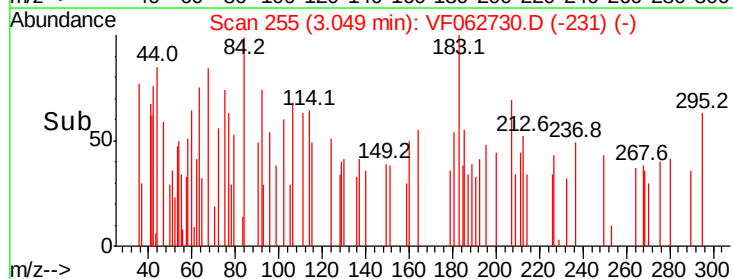
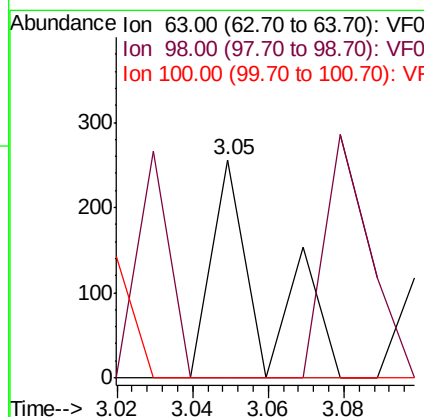
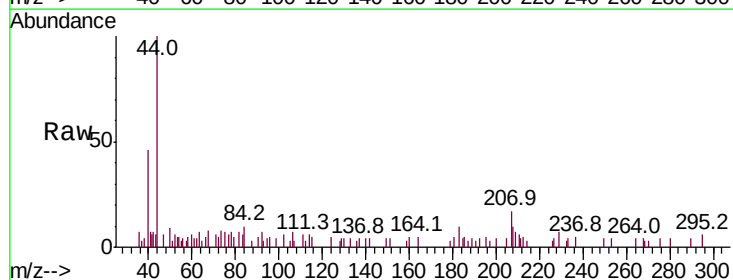
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409

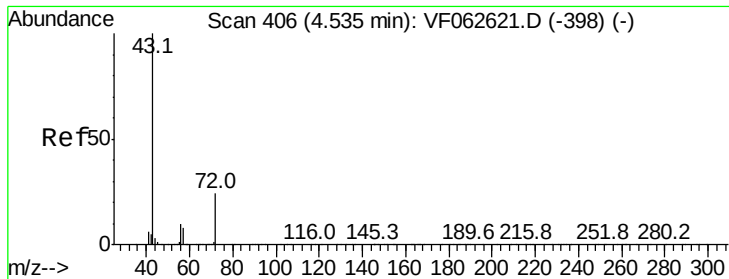
Tot Ion: 43 Resp: 570
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#24
 1,1-Dichloroethane
 Concen: 5.341 ug/l
 RT: 3.05 min Scan# 255
 Delta R.T. 0.03 min
 Lab File: VF062730.D
 Acq: 23 May 2019 16:47

Tgt Ion: 63 Resp: 243
 Ion Ratio Lower Upper
 63 100
 98 50.4 2.8 8.3#
 100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 52.499 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

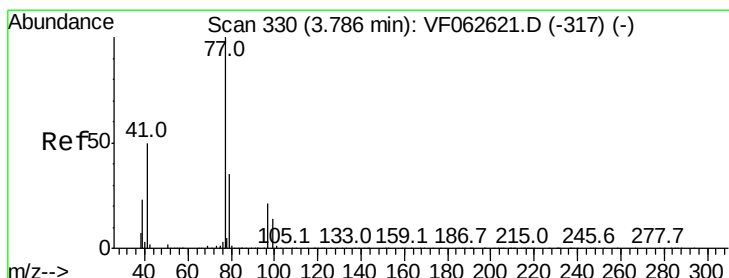
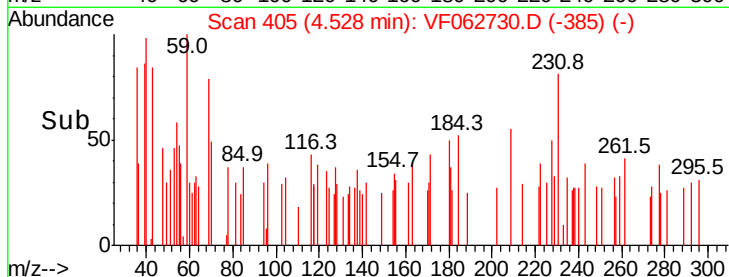
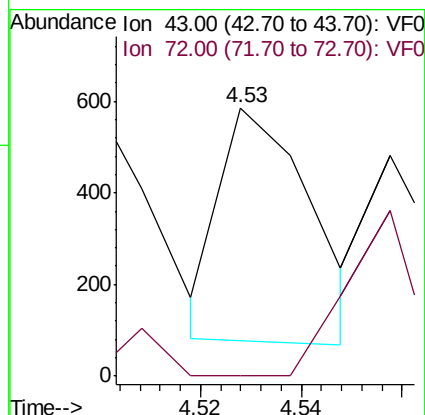
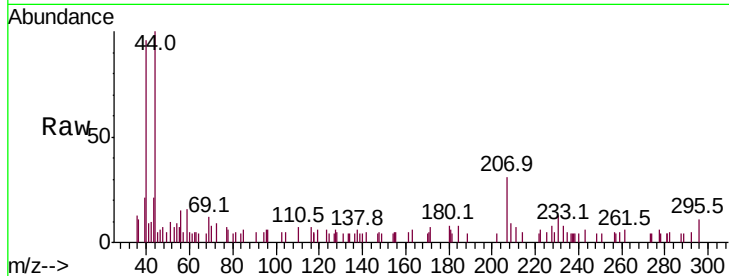
21-C5-20190409

Tot Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

72 42.7 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 15.519 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.05 min

Lab File: VF062730.D

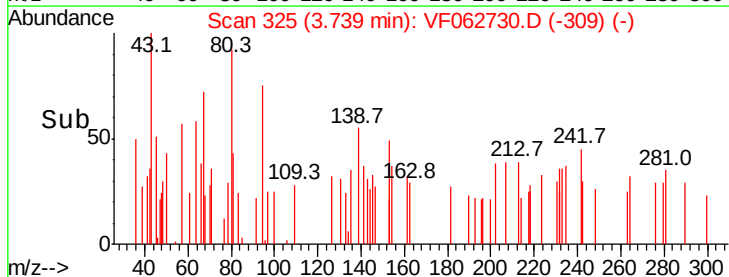
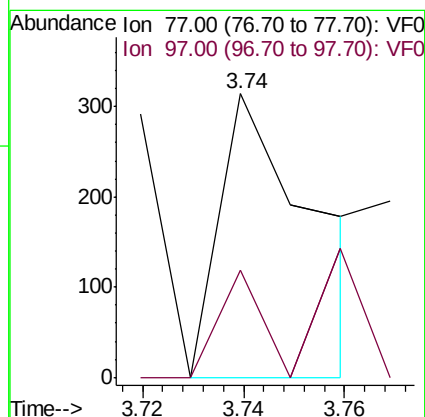
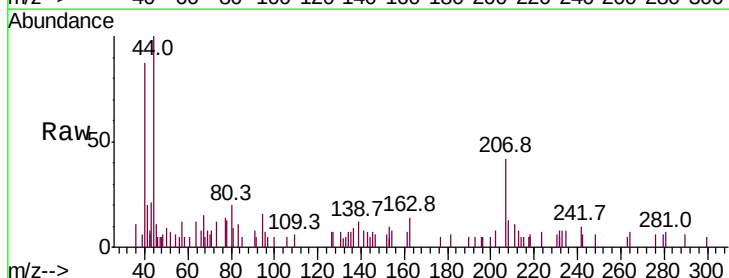
Acq: 23 May 2019 16:47

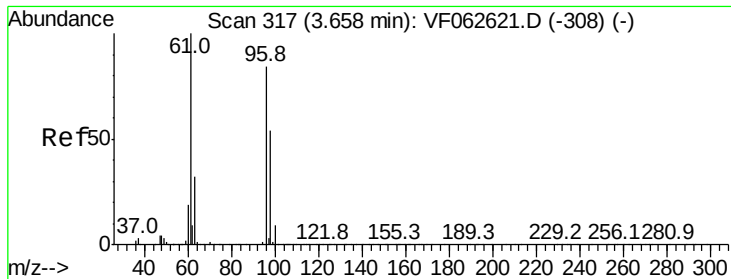
Tgt Ion: 77 Resp: 404

Ion Ratio Lower Upper

77 100

97 37.9 14.1 42.4



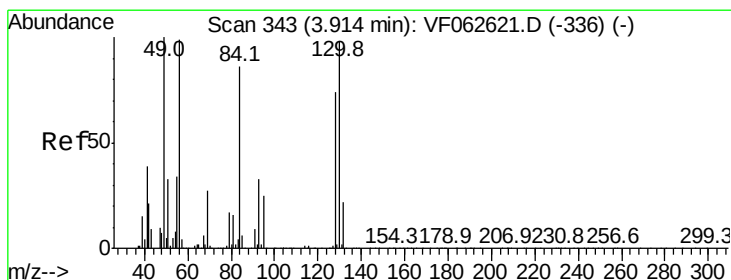
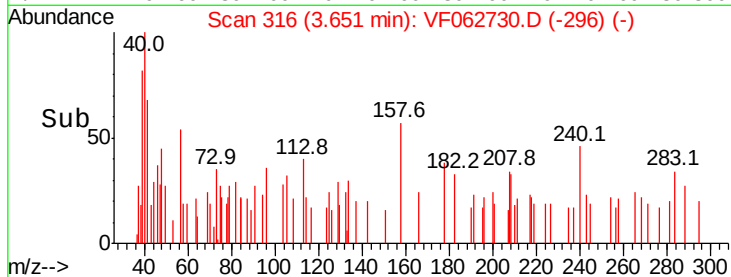
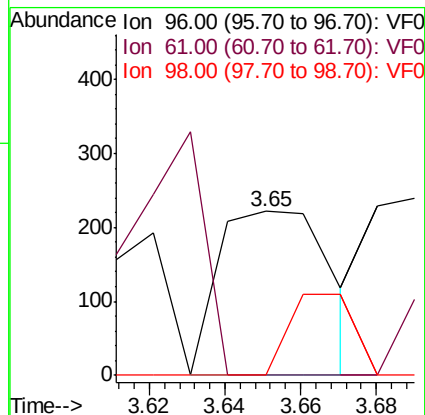
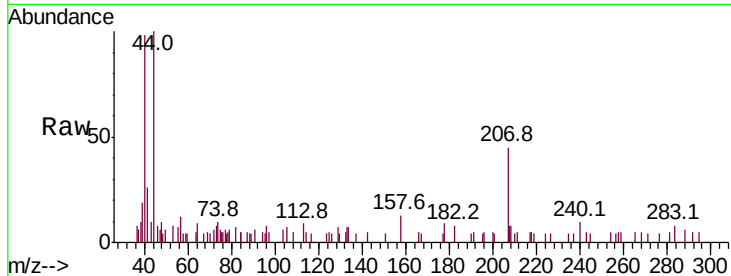


#27

cis-1,2-Dichloroethene
Concen: 10.163 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

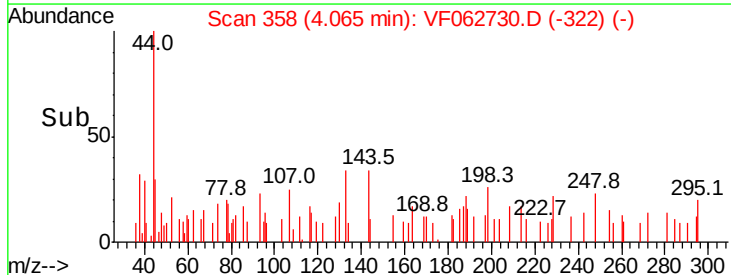
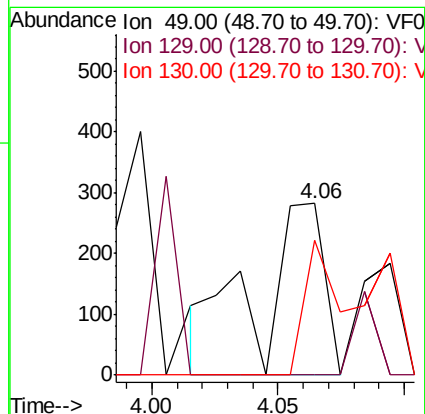
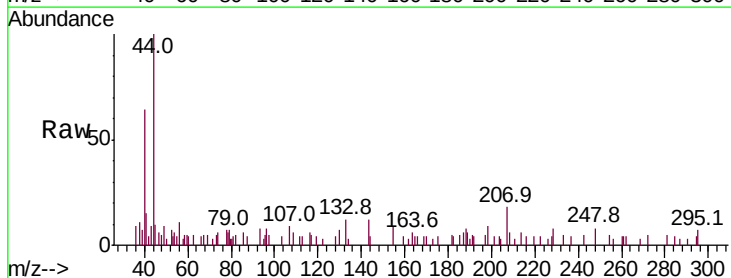
Tot Ion: 96 Resp: 454
Ion Ratio Lower Upper
96 100
61 0.0 0.0 237.4
98 0.0 0.0 129.0

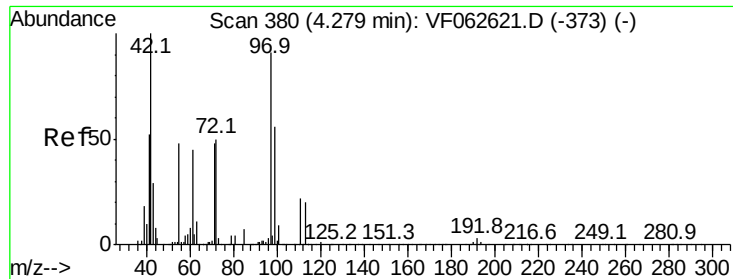


#28

Bromochloromethane
Concen: 19.986 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.15 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 49 Resp: 510
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 78.4 77.8 116.8





#29

Tetrahydrofuran

Concen: 50.384 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

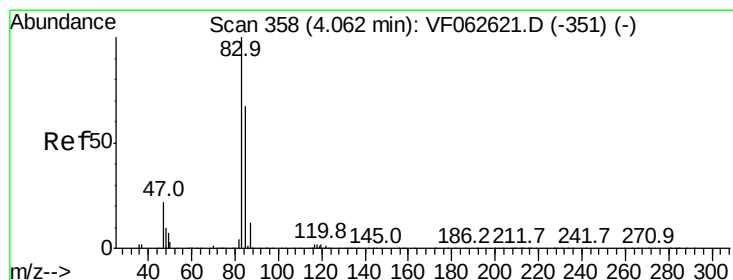
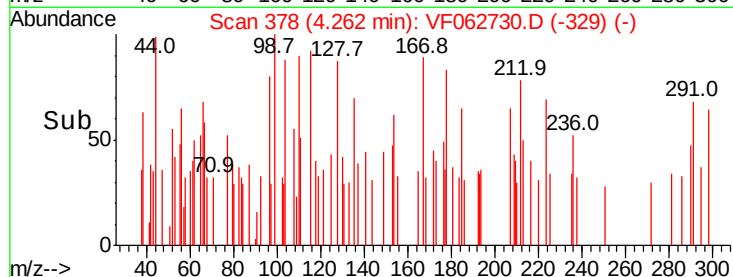
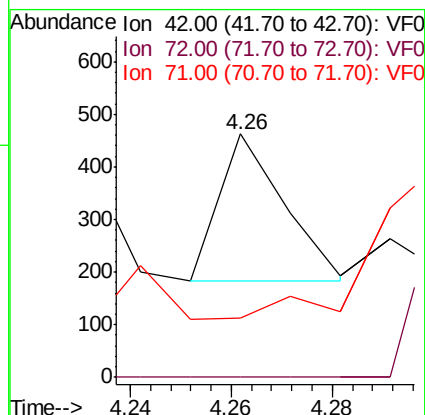
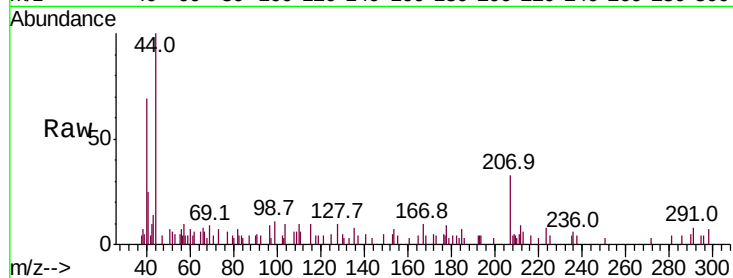
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 156.3 35.8 53.6#



#30

Chloroform

Concen: 4.100 ug/l

RT: 4.07 min Scan# 359

Delta R.T. 0.01 min

Lab File: VF062730.D

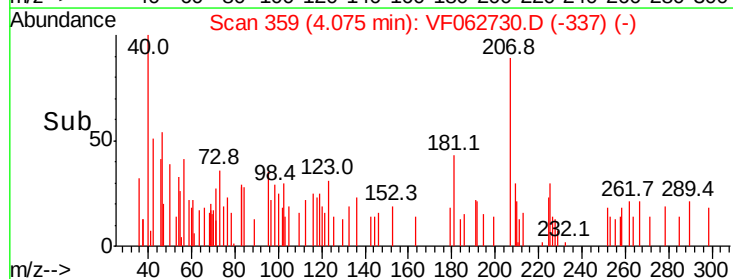
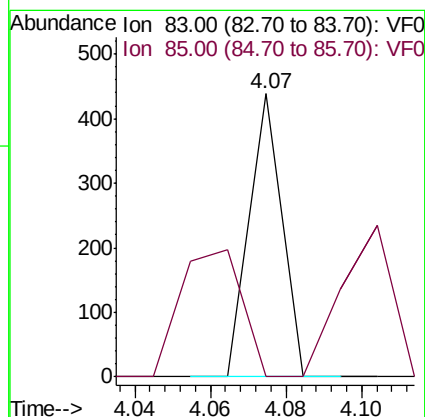
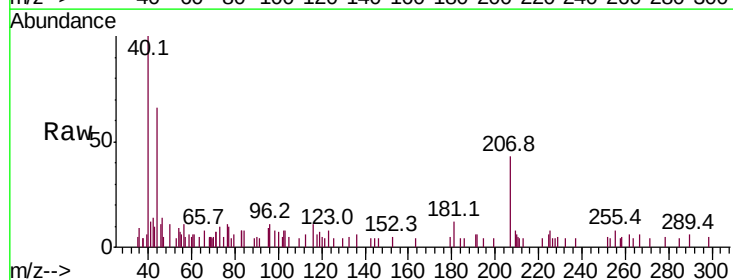
Acq: 23 May 2019 16:47

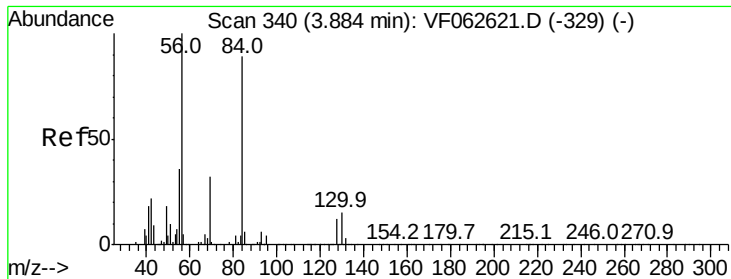
Tgt Ion: 83 Resp: 259

Ion Ratio Lower Upper

83 100

85 0.0 53.6 80.4#

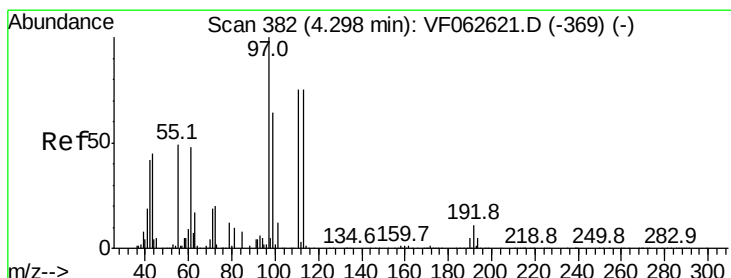
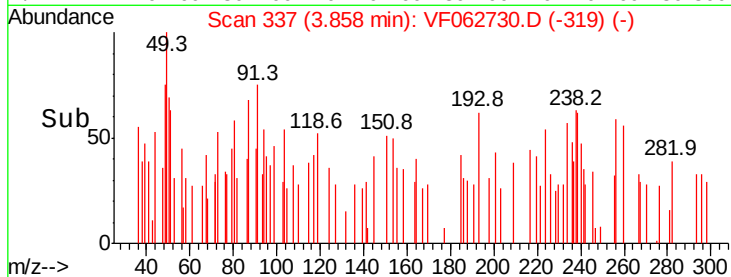
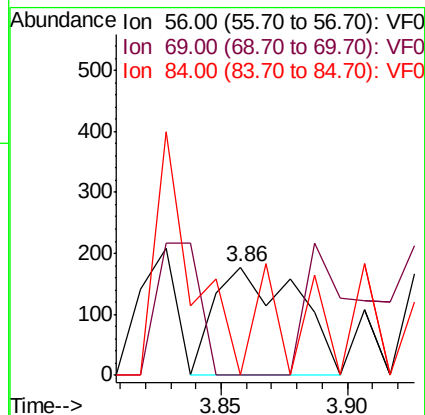
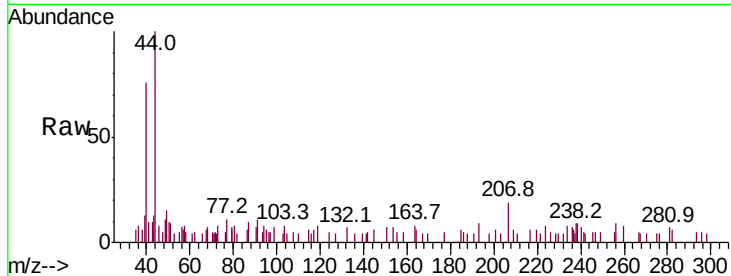




#31
Cvclohexane
Concen: 6.662 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.03 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

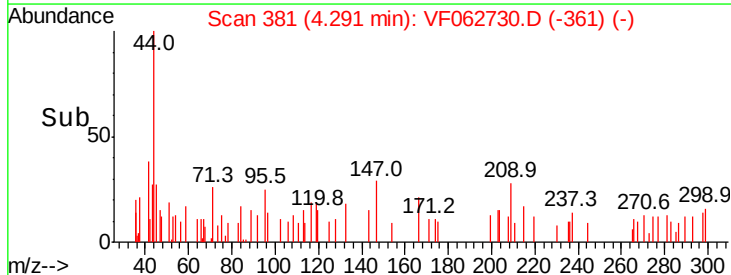
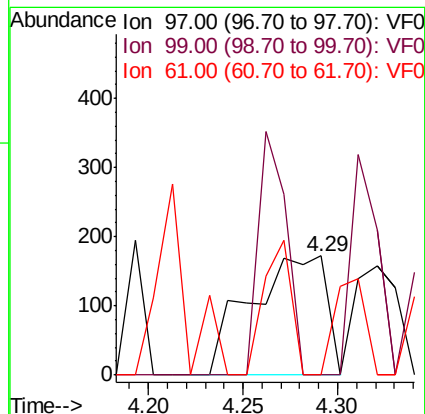
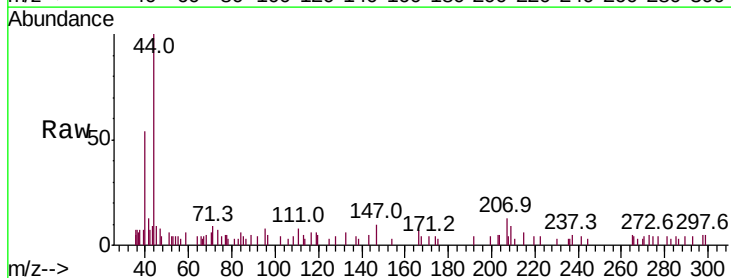
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

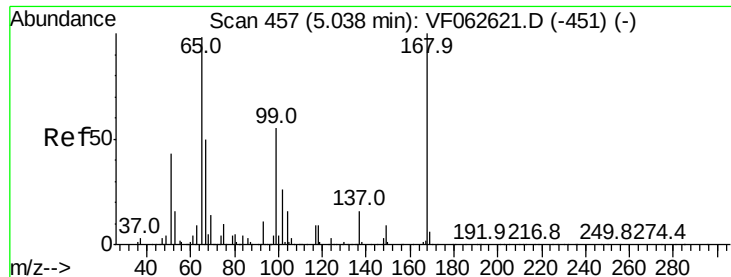
Tot Ion: 56 Resp: 407
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 0.0 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 11.465 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 97 Resp: 481
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 17.981 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

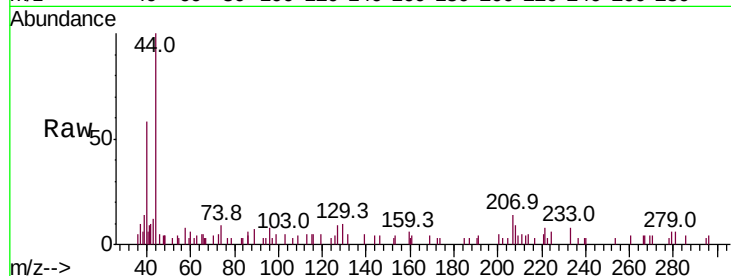
21-C5-20190409

Tot Ion: 65 Resp: 393

Ion Ratio Lower Upper

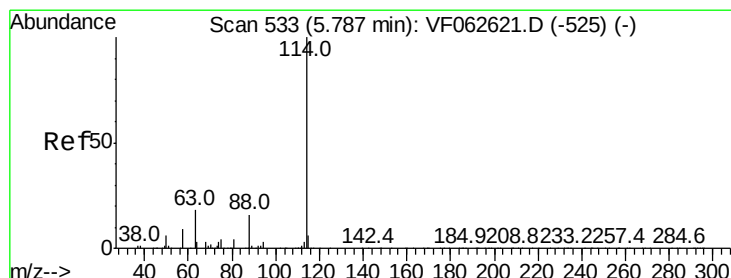
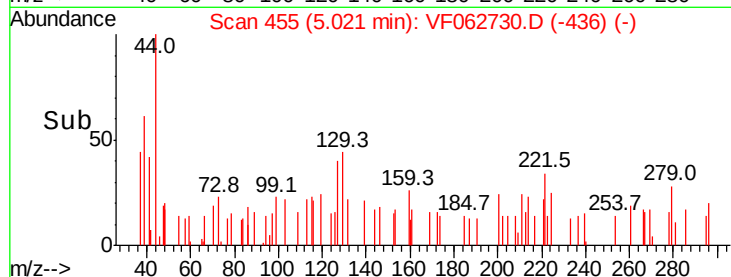
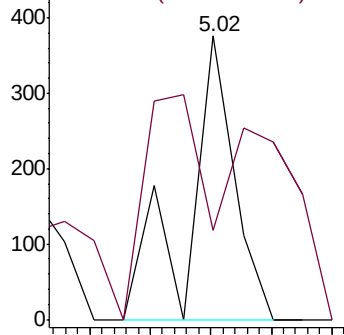
65 100

67 31.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 527

Delta R.T. -0.06 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

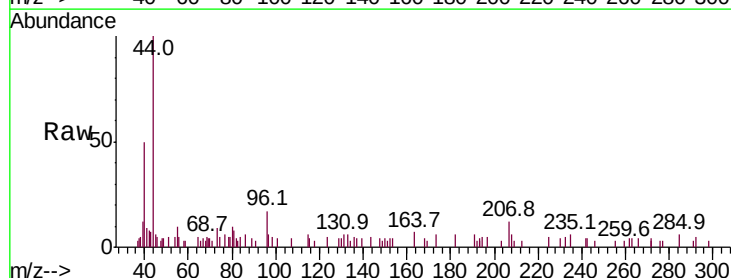
Tgt Ion: 114 Resp: 127

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

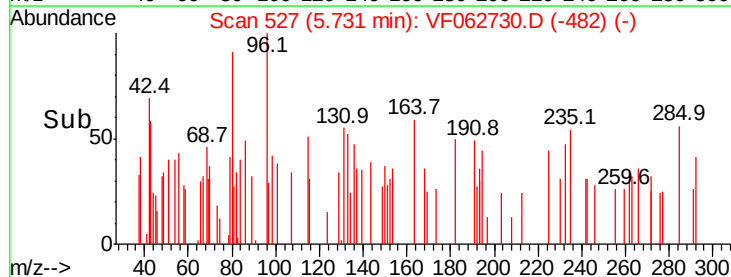
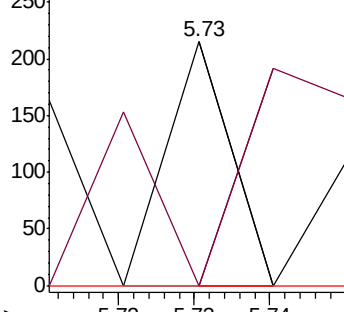
88 0.0 0.0 32.4

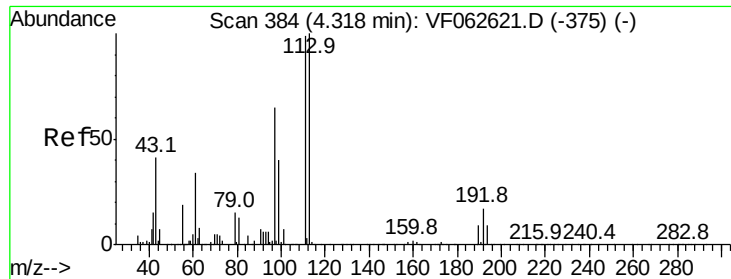


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 71.002 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.08 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

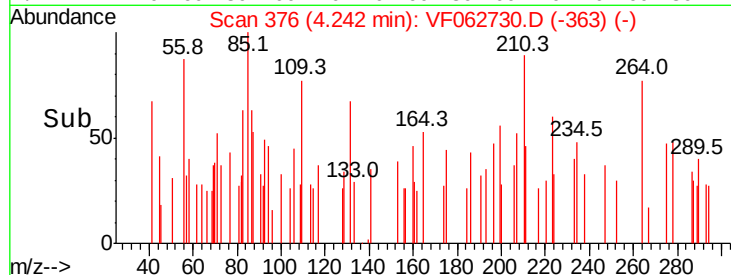
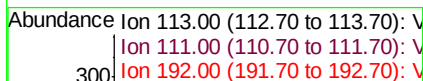
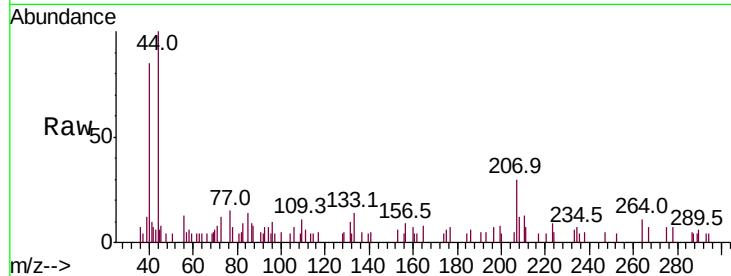
Tot Ion:113 Resp: 69

Ion Ratio Lower Upper

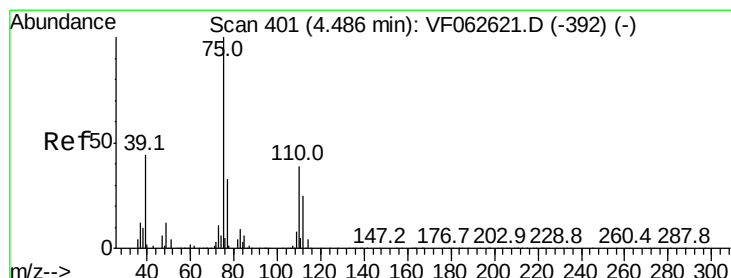
113 100

111 137.9 79.4 119.2#

192 0.0 13.4 20.2#



Time-->



#36

1,1-Dichloropropene

Concen: 129.864 ug/l

RT: 4.43 min Scan# 395

Delta R.T. -0.06 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

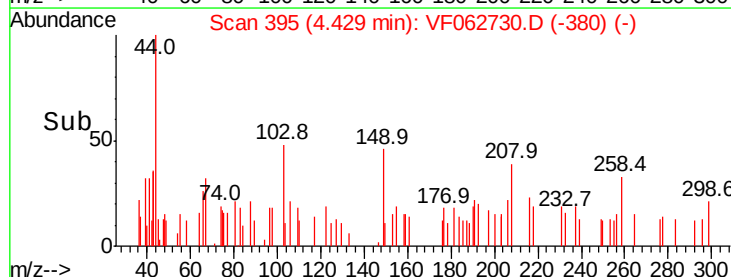
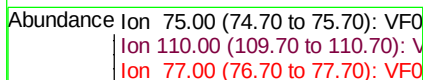
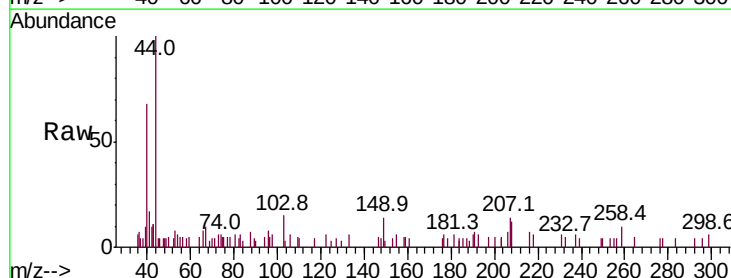
Tgt Ion: 75 Resp: 169

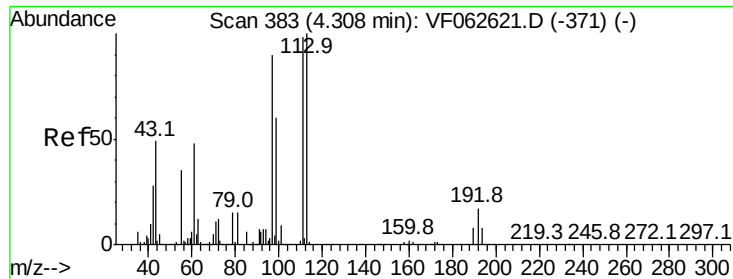
Ion Ratio Lower Upper

75 100

110 77.0 19.7 59.1#

77 102.6 26.3 39.5#

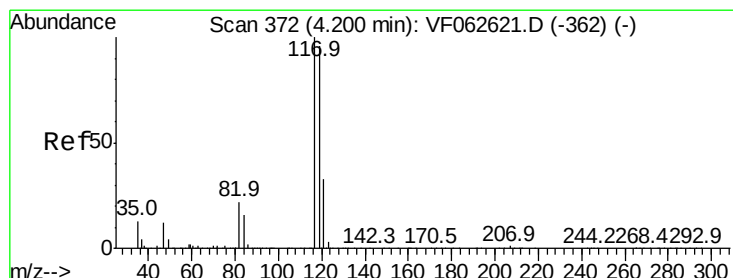
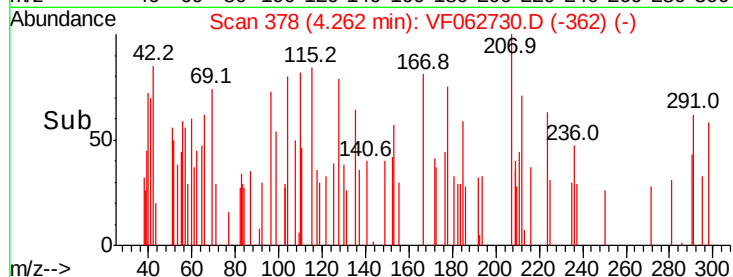
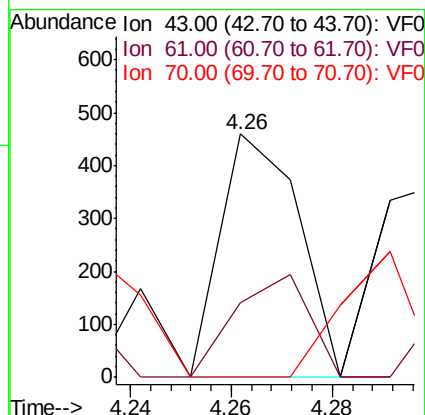
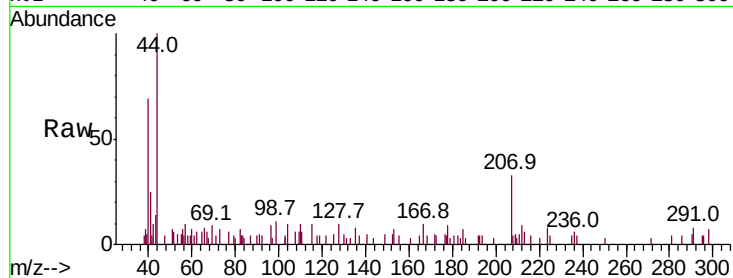




#37
Ethyl Acetate
Concen: 925.950 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.05 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

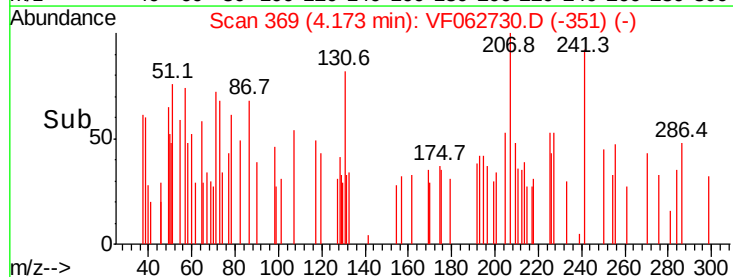
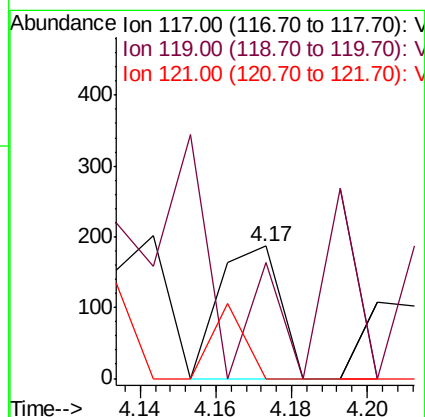
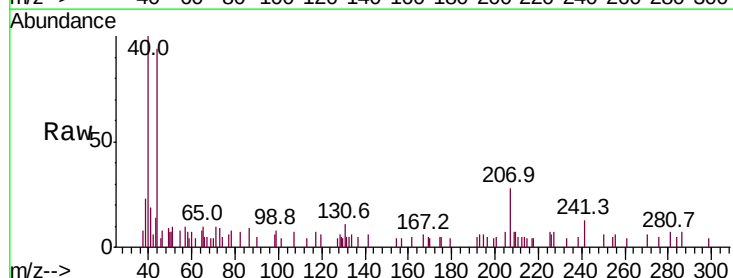
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

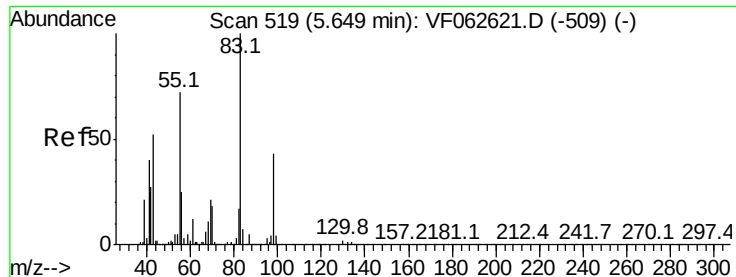
Tot Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
61 30.9 76.9 115.3#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 211.501 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.03 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion:117 Resp: 207
Ion Ratio Lower Upper
117 100
119 87.2 76.7 115.1
121 0.0 26.6 40.0#





#39

Methylcyclohexane

Concen: 108.566 ug/l

RT: 5.61 min Scan# 515

Delta R.T. -0.04 min

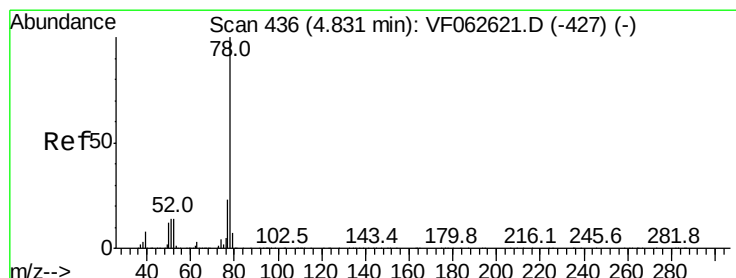
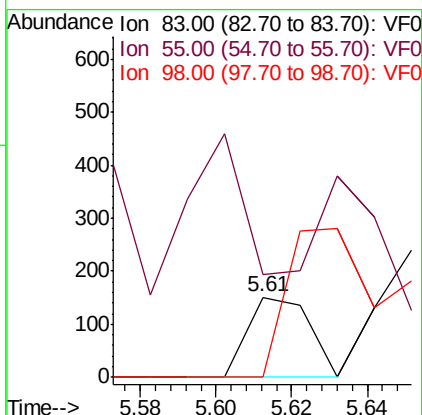
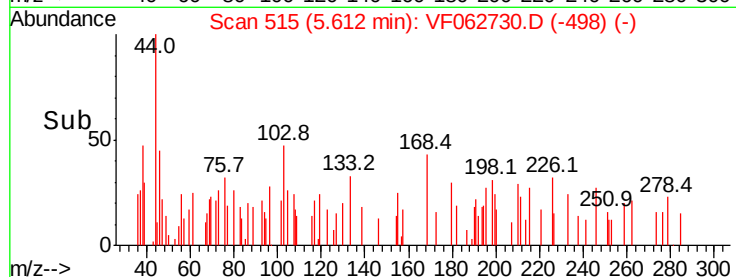
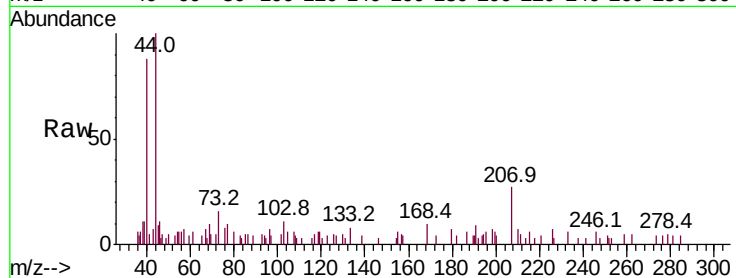
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

Tot Ion: 83 Resp: 170

Ion	Ratio	Lower	Upper
83	100		
55	75.5	57.9	86.9
98	0.0	34.6	52.0#



#40

Benzene

Concen: 140.469 ug/l

RT: 4.78 min Scan# 431

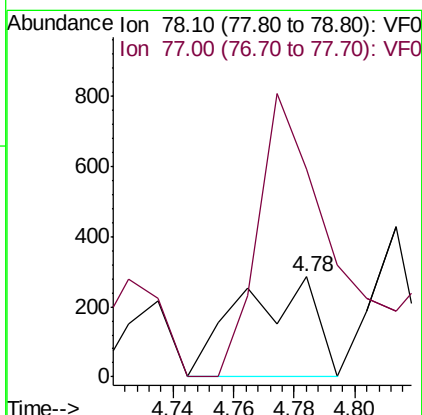
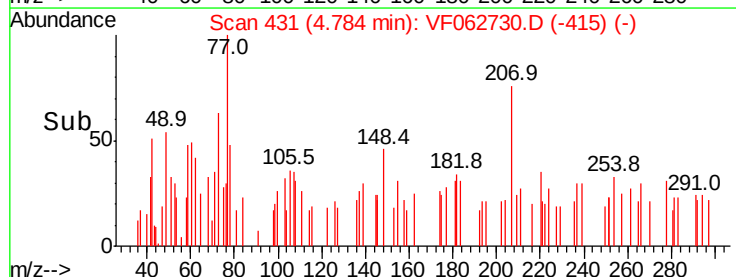
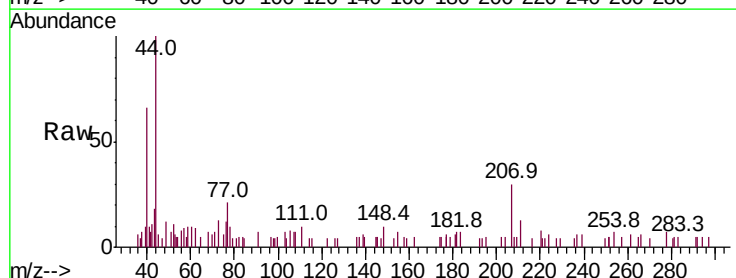
Delta R.T. -0.05 min

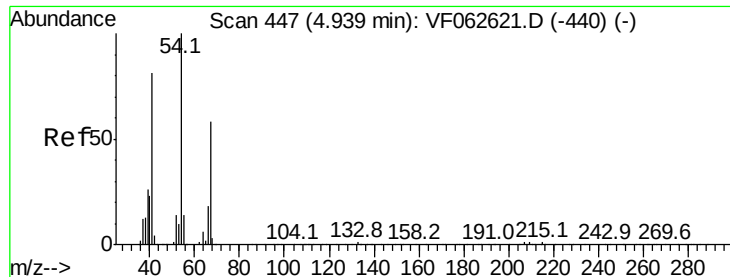
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion: 78 Resp: 498

Ion	Ratio	Lower	Upper
78	100		
77	208.8	18.2	27.2#

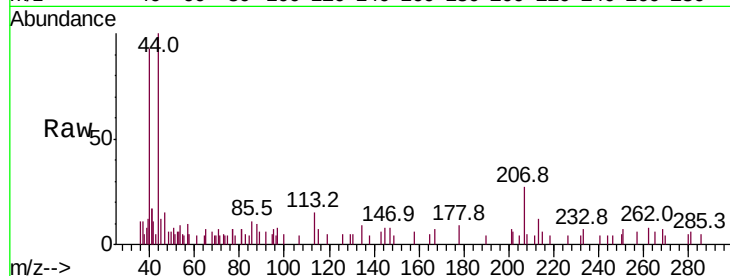




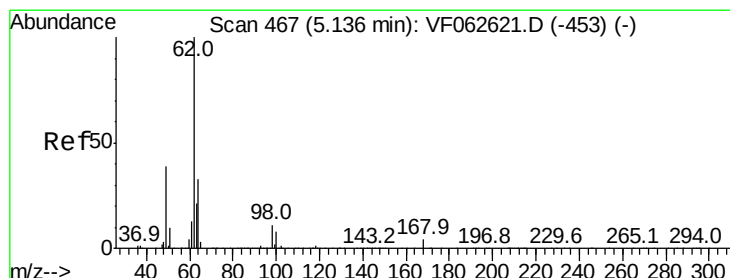
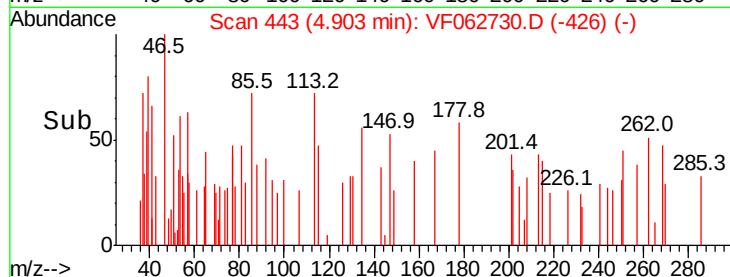
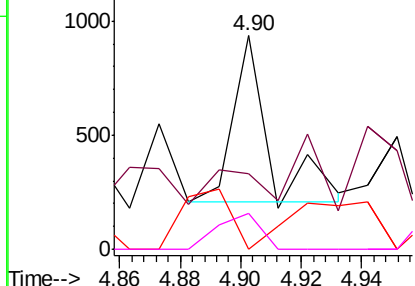
#41
Methacrylonitrile
Concen: 2150.266 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.04 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

Tot Ion:	41	Resp:	599
Ion	Ratio	Lower	Upper
41	100		
39	35.7	42.2	63.2#
67	0.0	56.4	84.6#
52	16.6	38.8	58.2#

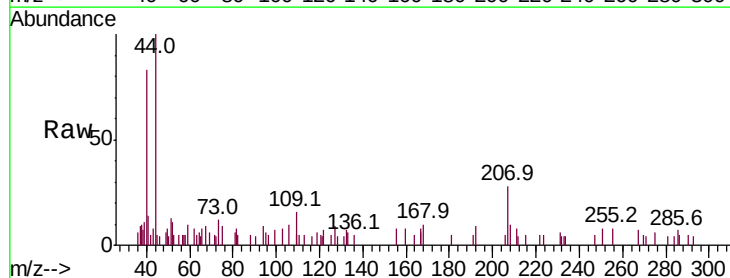


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

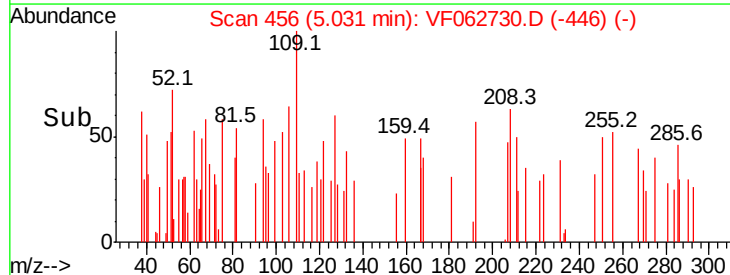
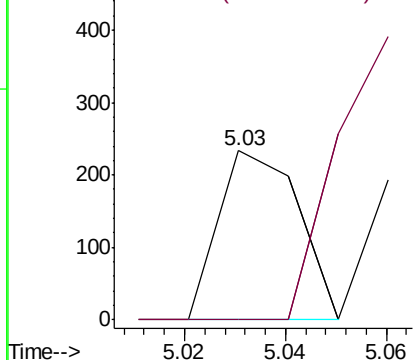


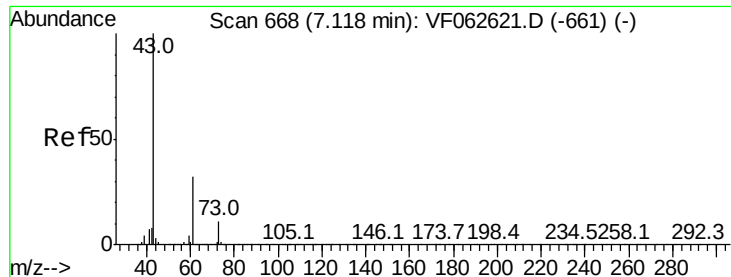
#42
1,2-Dichloroethane
Concen: 360.689 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.11 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion:	62	Resp:	255
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 347.192 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.03 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

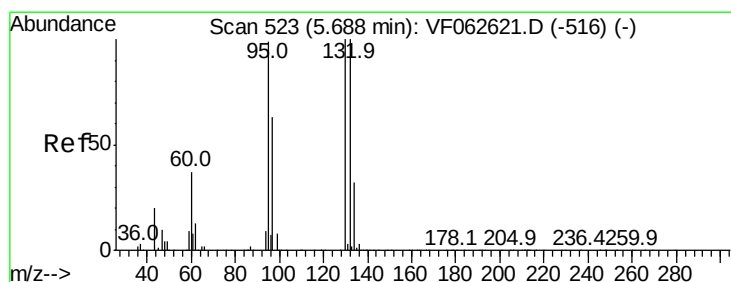
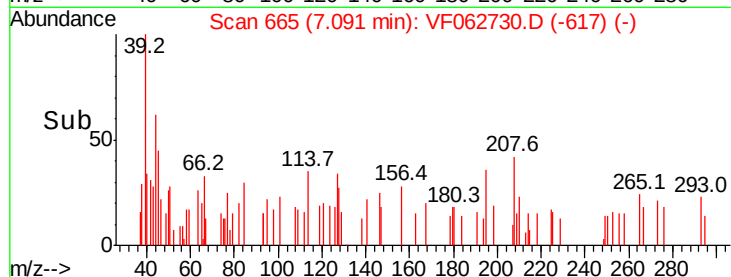
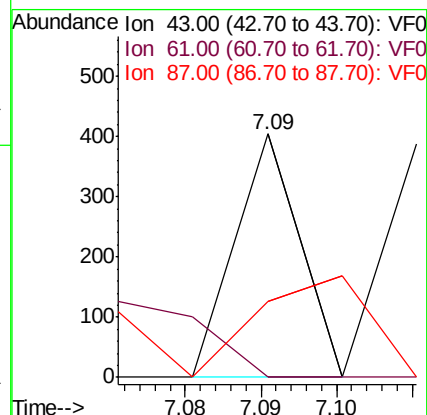
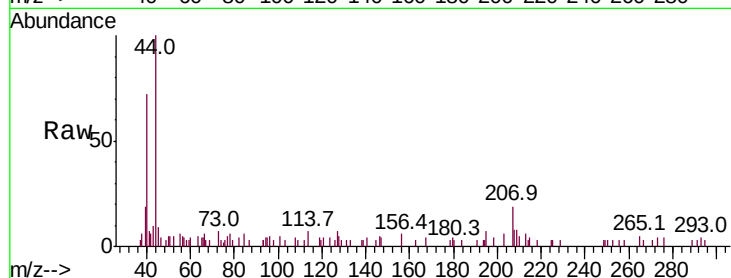
Tot Ion: 43 Resp: 239

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

87 31.2 0.4 0.6#



#44

Trichloroethene

Concen: 286.027 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.07 min

Lab File: VF062730.D

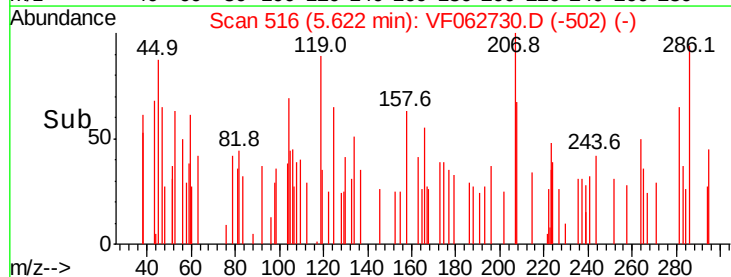
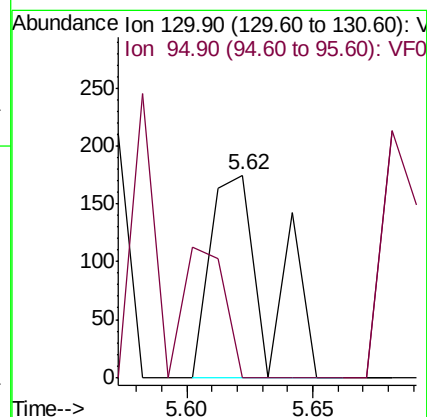
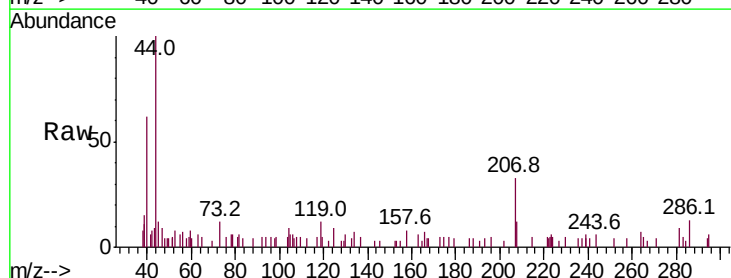
Acq: 23 May 2019 16:47

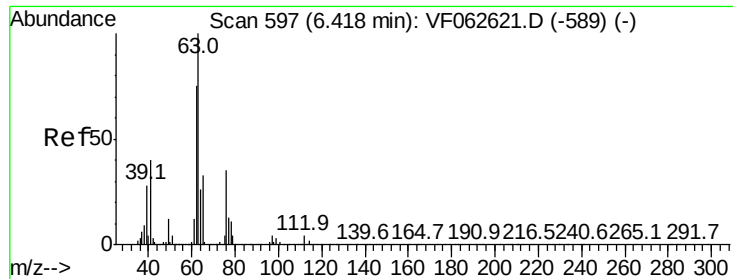
Tgt Ion: 130 Resp: 285

Ion Ratio Lower Upper

130 100

95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 422.371 ug/l

RT: 6.33 min Scan# 588

Delta R.T. -0.09 min

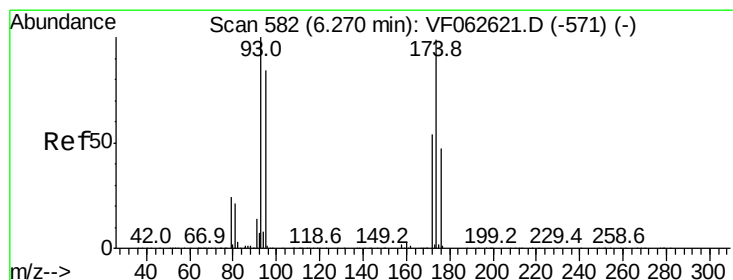
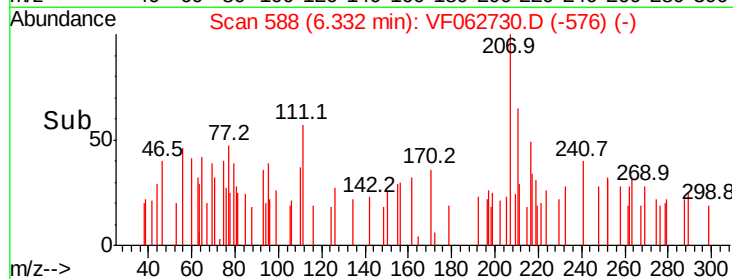
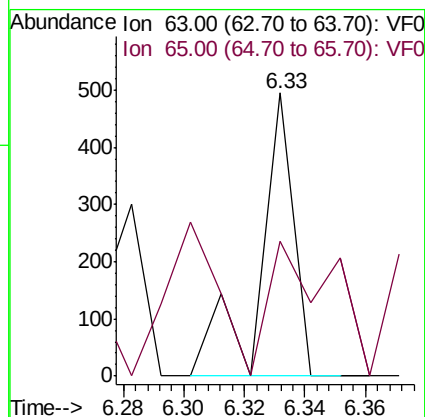
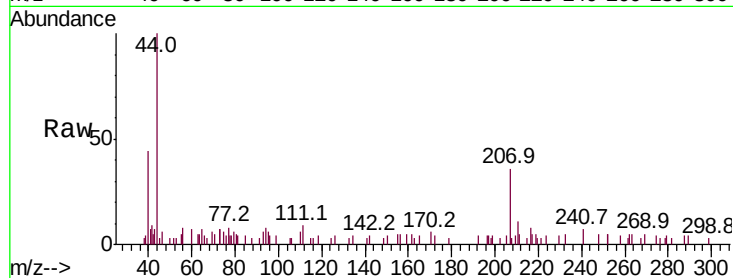
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

Tot Ion: 63 Resp: 378

Ion	Ratio	Lower	Upper
63	100		
65	47.7	26.3	39.5#



#46

Dibromomethane

Concen: 324.817 ug/l

RT: 6.19 min Scan# 574

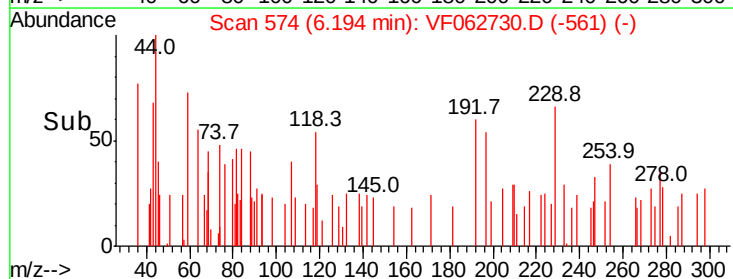
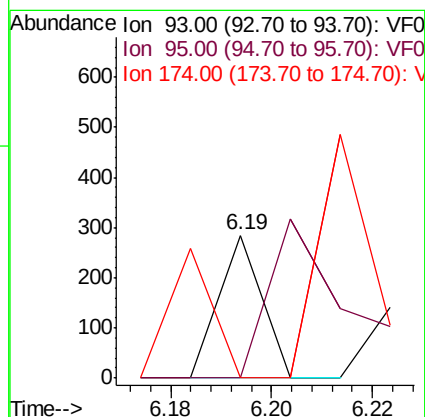
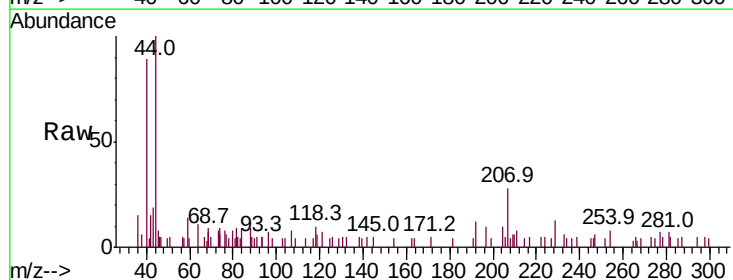
Delta R.T. -0.08 min

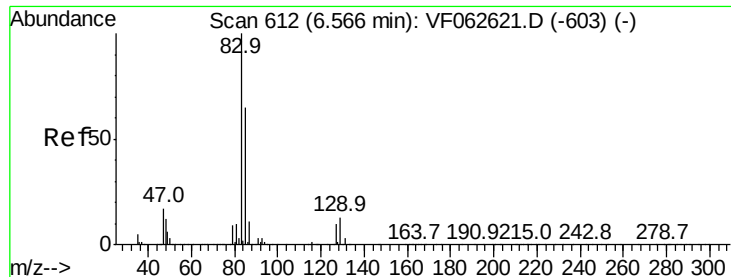
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion: 93 Resp: 168

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





#47

Bromodichloromethane

Concen: 491.739 ug/l

RT: 6.50 min Scan# 605

Delta R.T. -0.07 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

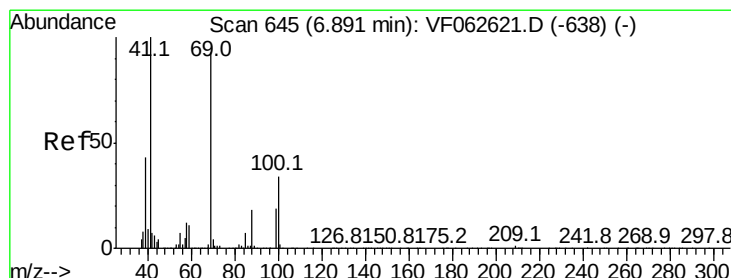
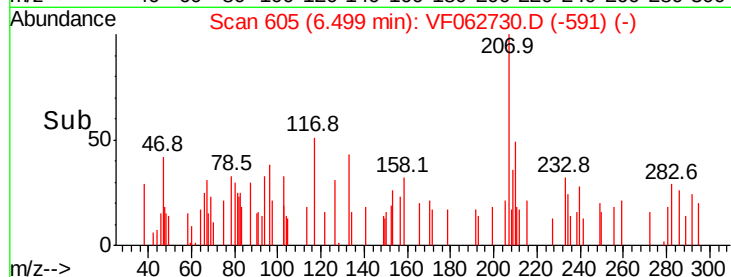
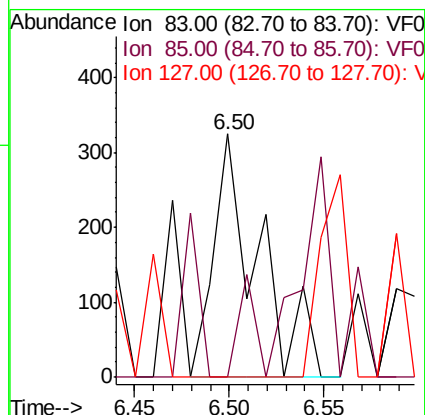
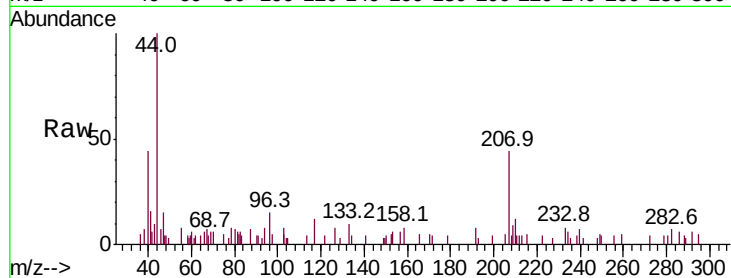
Tot Ion: 83 Resp: 528

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

127 0.0 7.7 11.5#



#48

Methyl methacrylate

Concen: 2971.062 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.05 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

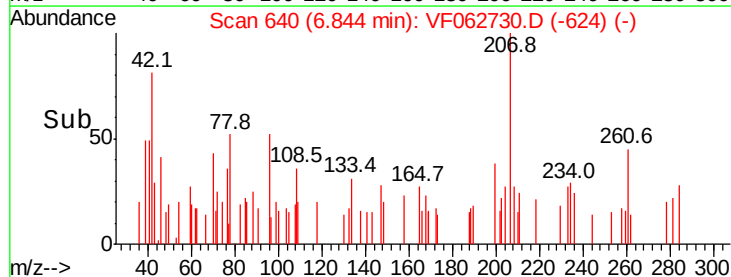
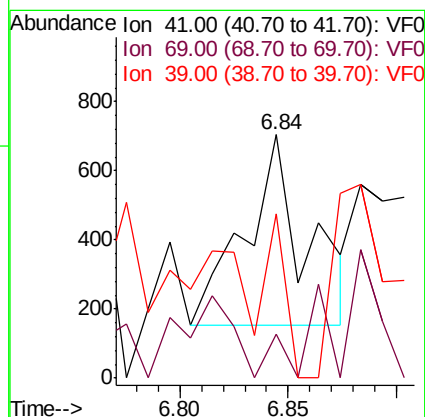
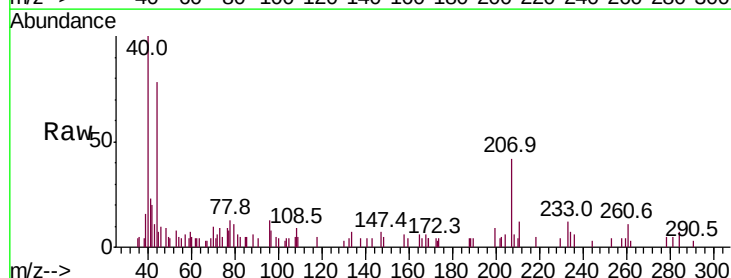
Tgt Ion: 41 Resp: 1069

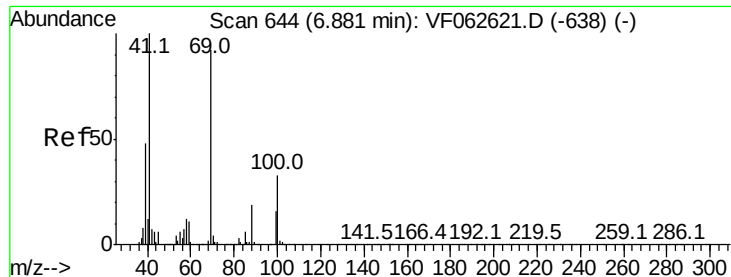
Ion Ratio Lower Upper

41 100

69 18.3 74.2 111.2#

39 67.7 34.2 51.4#

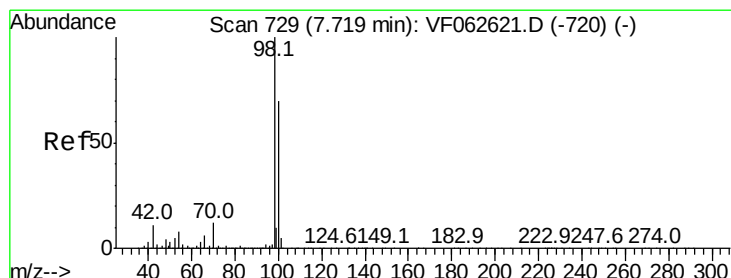
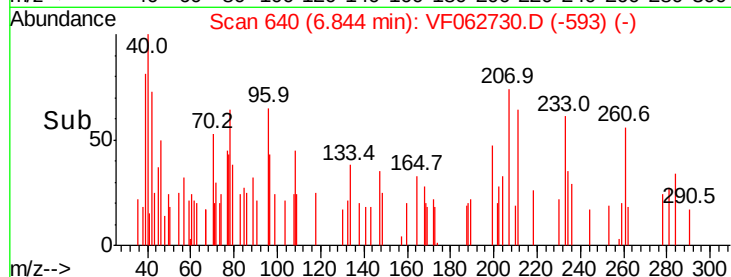
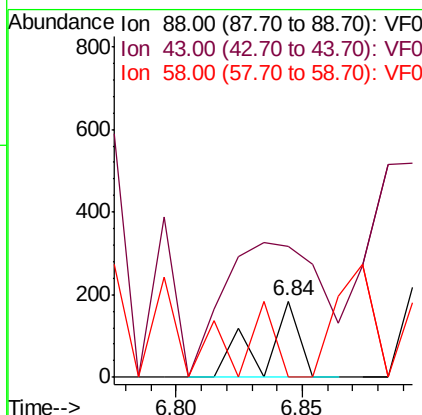
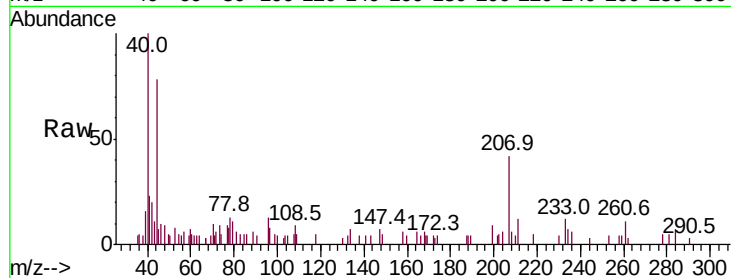




#49
1,4-Dioxane
Concen: 39059.574 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

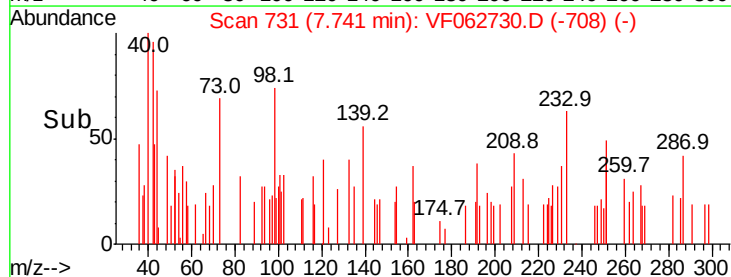
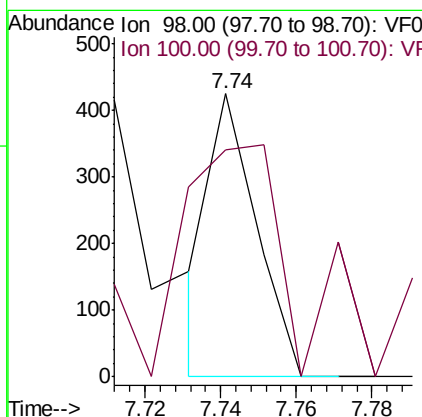
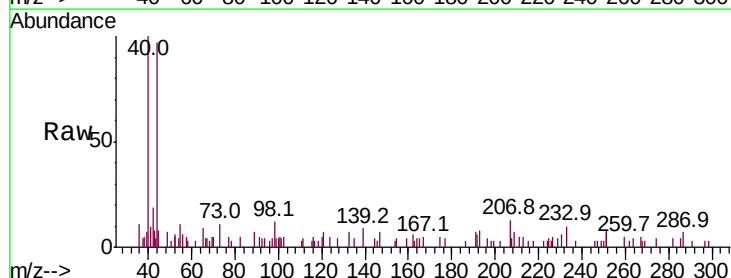
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

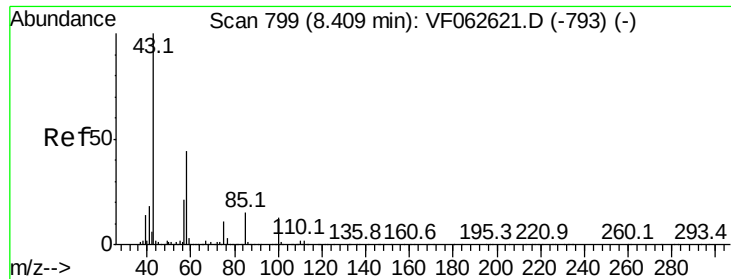
Tot Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 171.4 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 155.152 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.02 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 98 Resp: 360
Ion Ratio Lower Upper
98 100
100 80.0 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 2350.522 ug/l

RT: 8.28 min Scan# 786

Delta R.T. -0.13 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

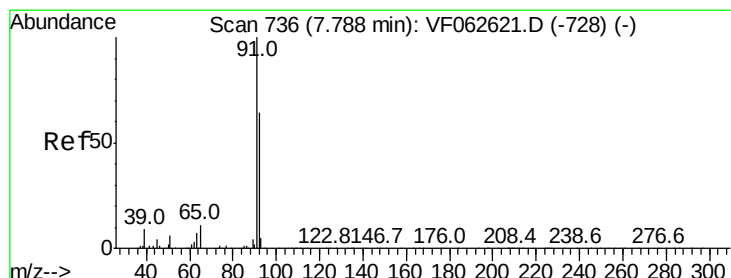
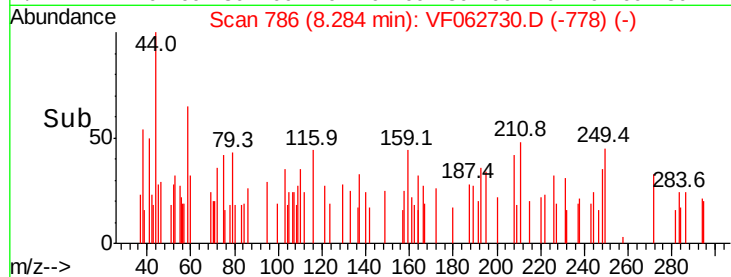
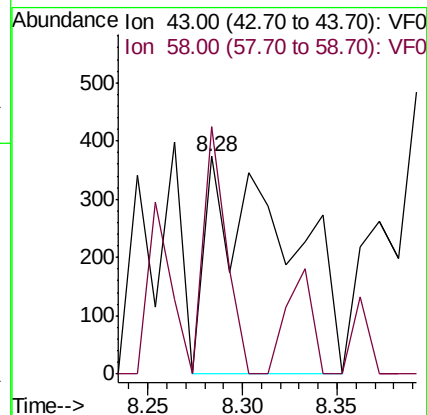
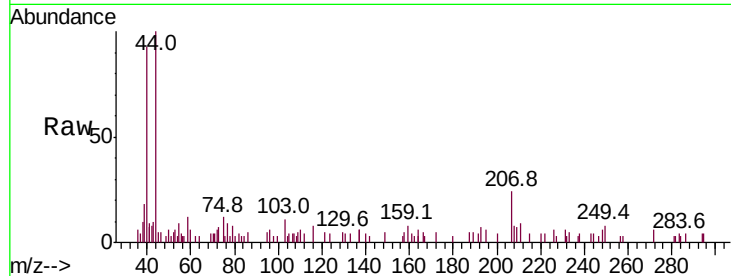
21-C5-20190409

Tot Ion: 43 Resp: 1106

Ion Ratio Lower Upper

43 100

58 113.4 34.9 52.3#



#52

Toluene

Concen: 33.884 ug/l

RT: 7.84 min Scan# 741

Delta R.T. 0.05 min

Lab File: VF062730.D

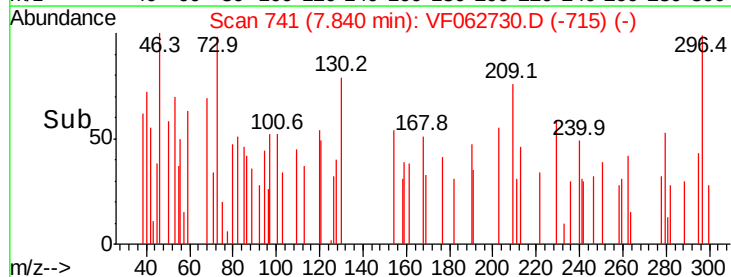
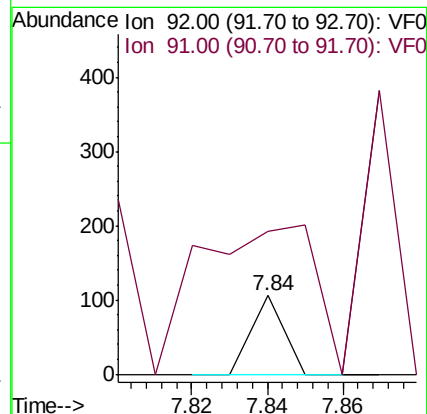
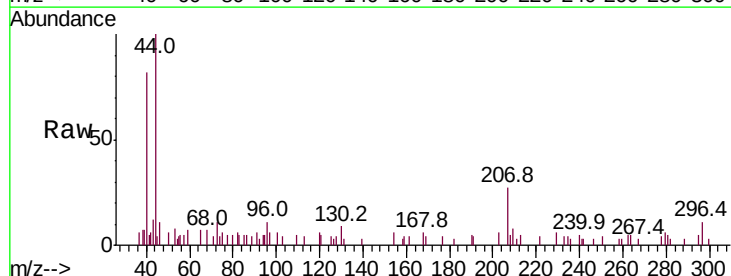
Acq: 23 May 2019 16:47

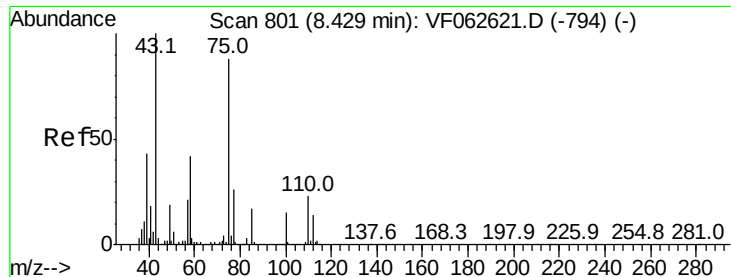
Tgt Ion: 92 Resp: 63

Ion Ratio Lower Upper

92 100

91 181.1 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 457.624 ug/l

RT: 8.34 min Scan# 792

Delta R.T. -0.09 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

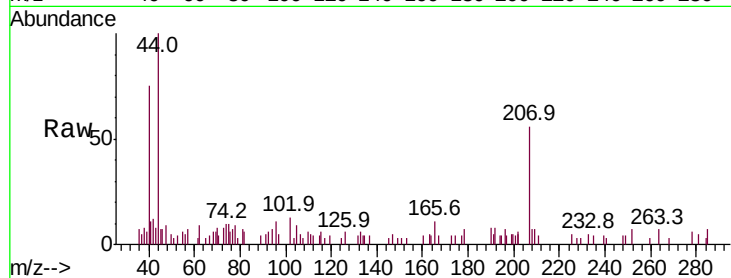
21-C5-20190409

Tot Ion: 75 Resp: 402

Ion Ratio Lower Upper

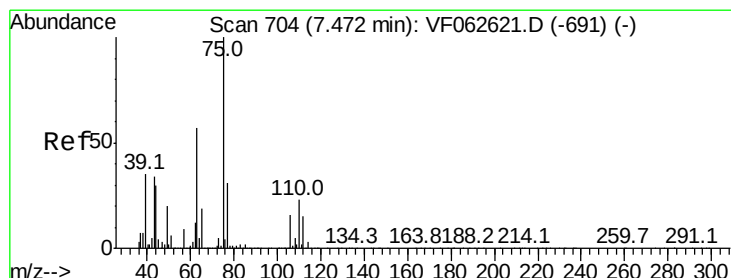
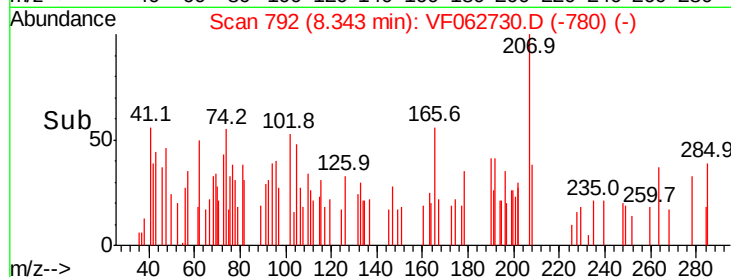
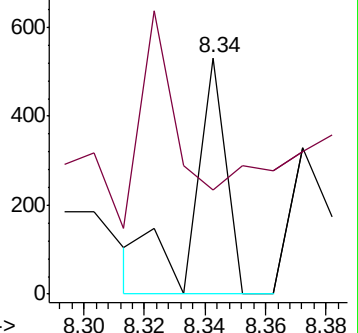
75 100

77 43.9 24.2 36.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 394.412 ug/l

RT: 7.42 min Scan# 698

Delta R.T. -0.06 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

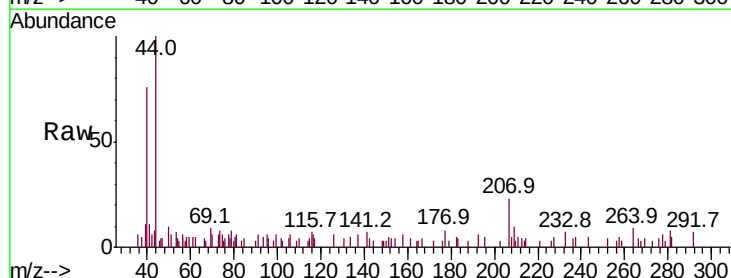
Tgt Ion: 75 Resp: 485

Ion Ratio Lower Upper

75 100

77 70.5 25.3 37.9#

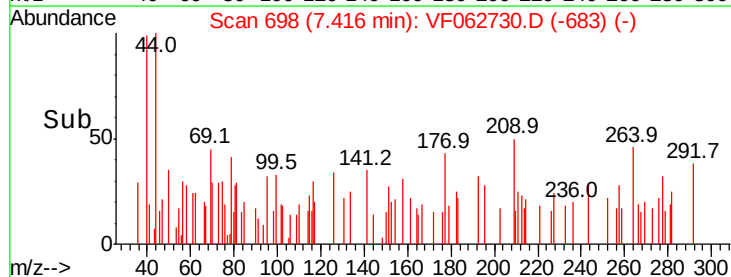
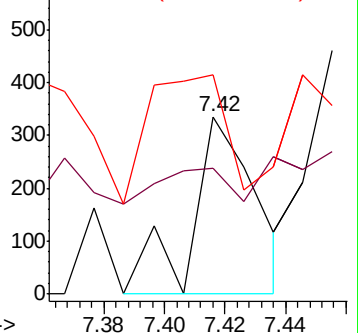
39 123.8 28.2 42.2#

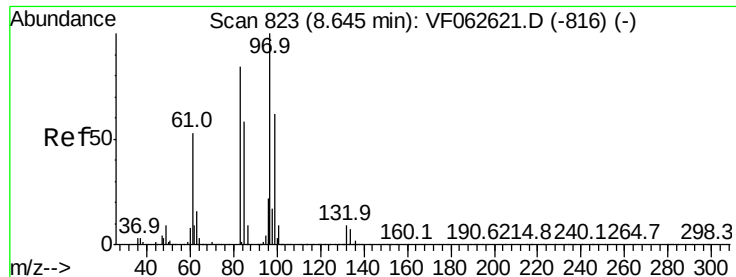


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 432.326 ug/l

RT: 8.58 min Scan# 816

Delta R.T. -0.07 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

Tot Ion: 97 Resp: 238

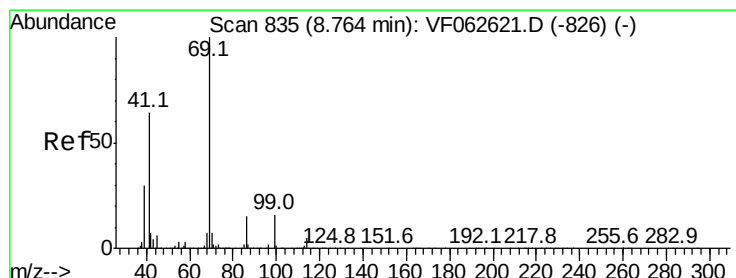
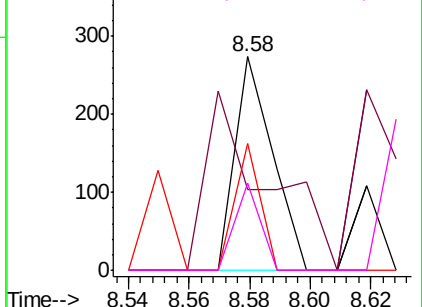
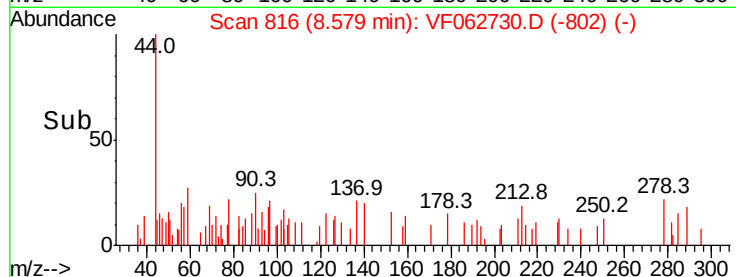
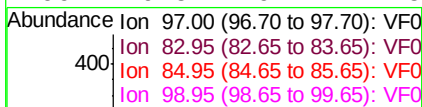
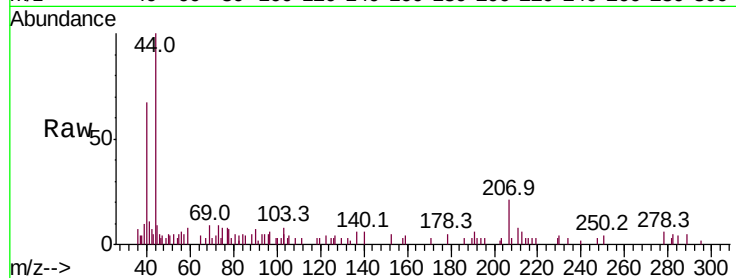
Ion Ratio Lower Upper

97 100

83 38.0 67.3 100.9#

85 59.1 46.6 69.8

99 40.5 49.7 74.5#



#56

Ethyl methacrylate

Concen: 318.663 ug/l

RT: 8.70 min Scan# 828

Delta R.T. -0.07 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

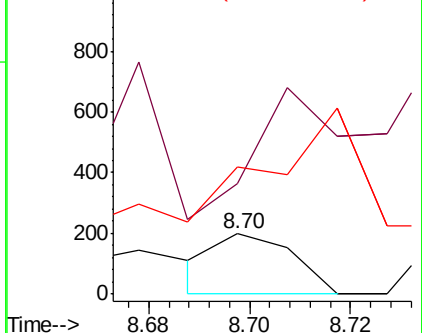
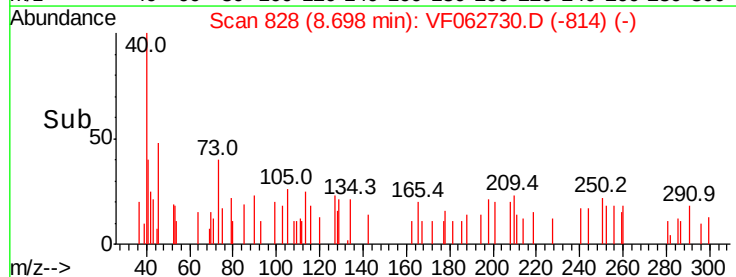
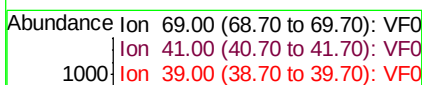
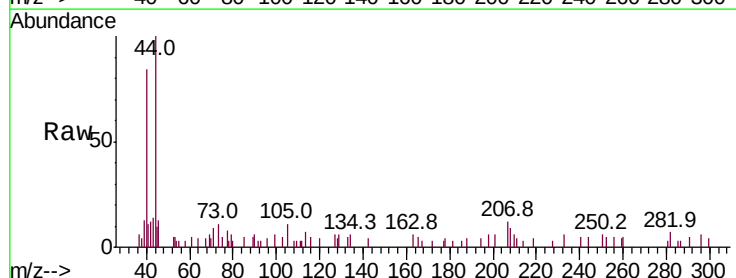
Tgt Ion: 69 Resp: 209

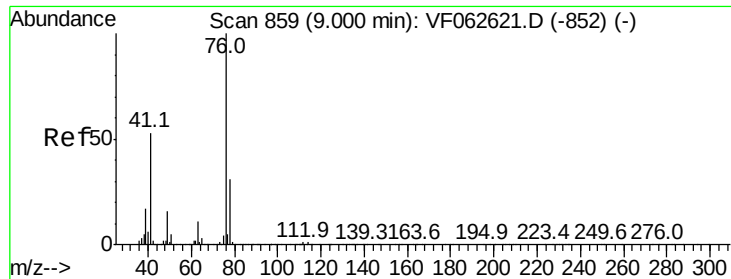
Ion Ratio Lower Upper

69 100

41 184.8 51.4 77.2#

39 211.6 23.6 35.4#





#57

1,3-Dichloropropane

Concen: 93.848 ug/l

RT: 8.92 min Scan# 851

Delta R.T. -0.08 min

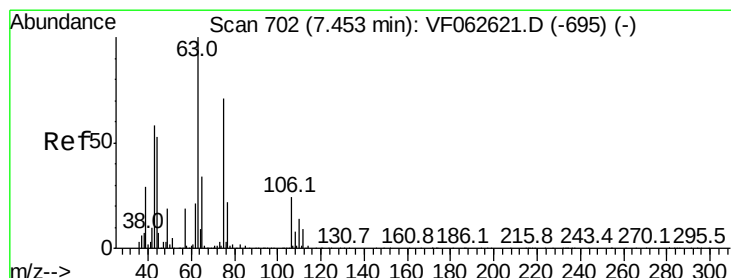
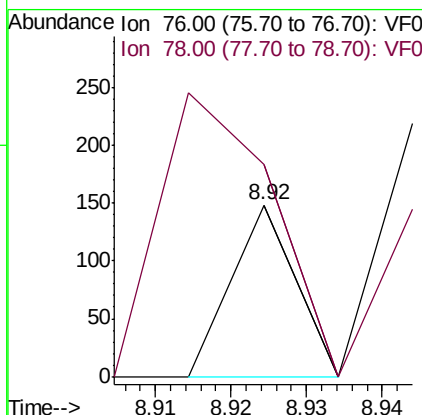
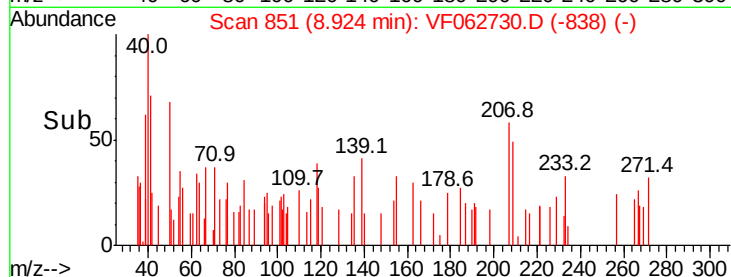
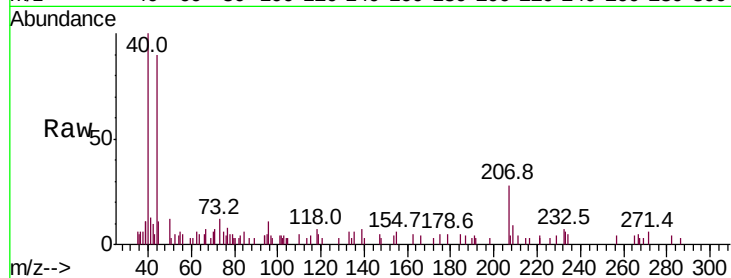
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

Tot Ion: 76 Resp: 88

Ion	Ratio	Lower	Upper
76	100		
78	123.6	25.4	38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1030.520 ug/l

RT: 7.37 min Scan# 693

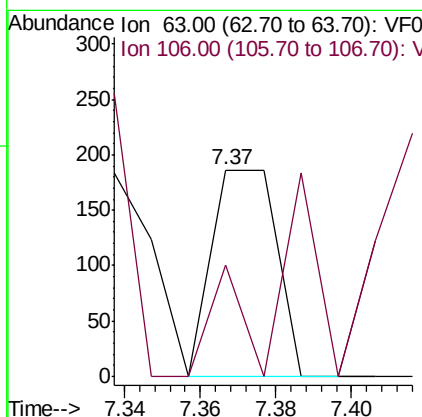
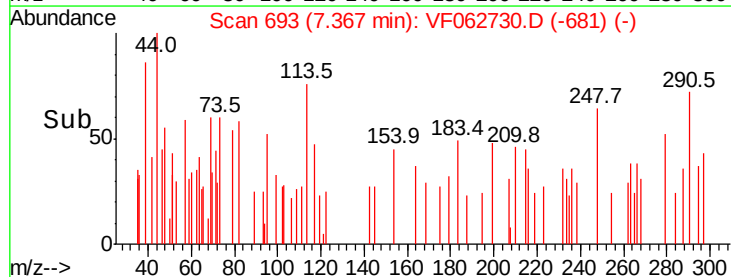
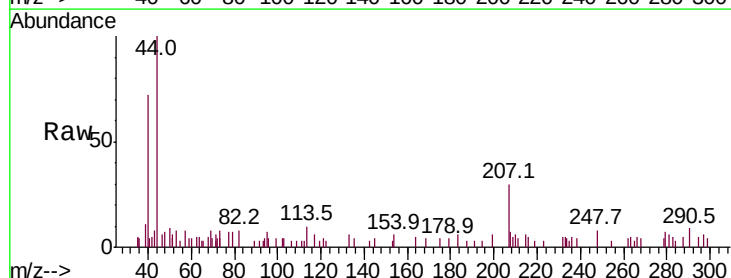
Delta R.T. -0.09 min

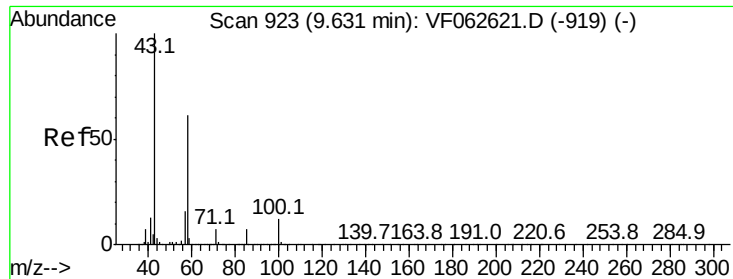
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion: 63 Resp: 220

Ion	Ratio	Lower	Upper
63	100		
106	54.3	19.1	28.7#

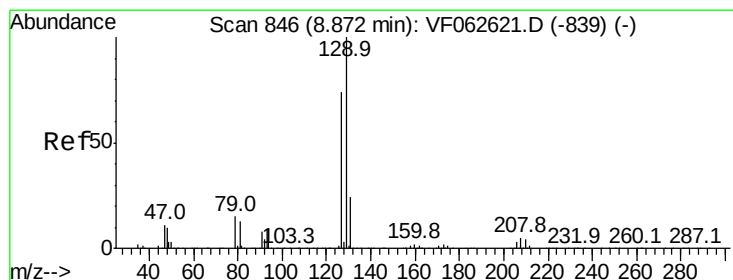
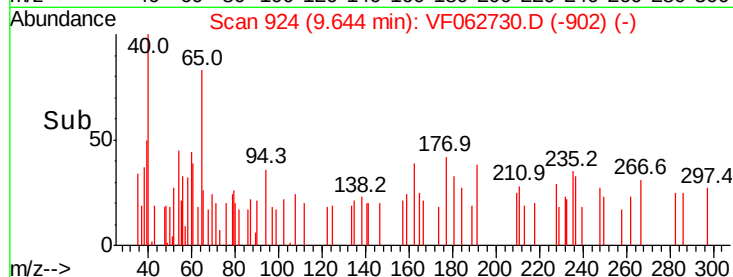
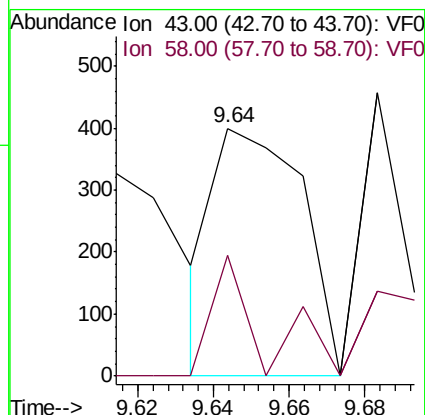
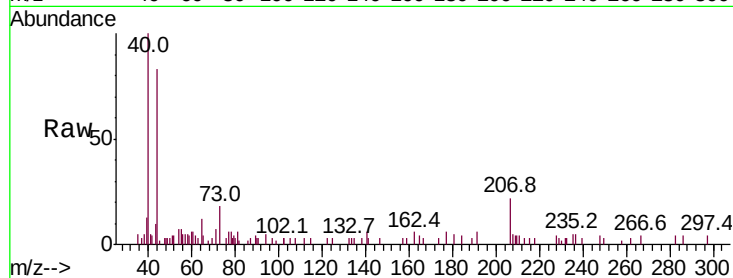




#59
2-Hexanone
Concen: 2252.999 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

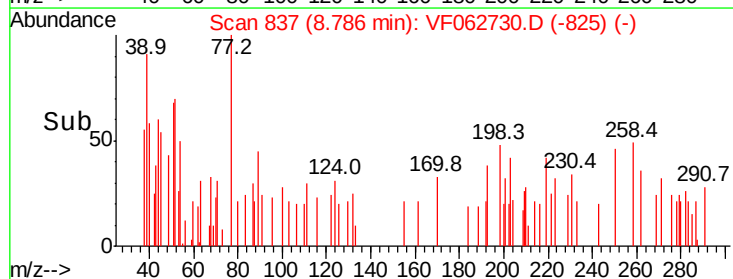
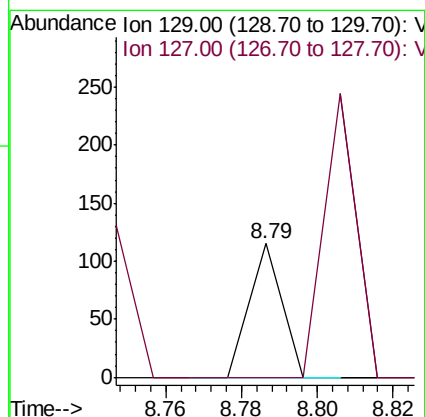
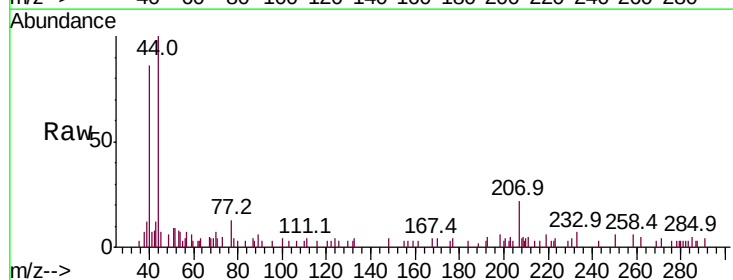
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

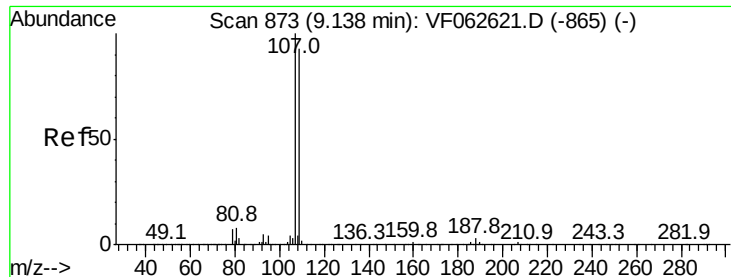
Tot Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 48.5 28.1 84.4



#60
Dibromochloromethane
Concen: 94.774 ug/l
RT: 8.79 min Scan# 837
Delta R.T. -0.09 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 129 Resp: 68
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 124.845 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.03 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

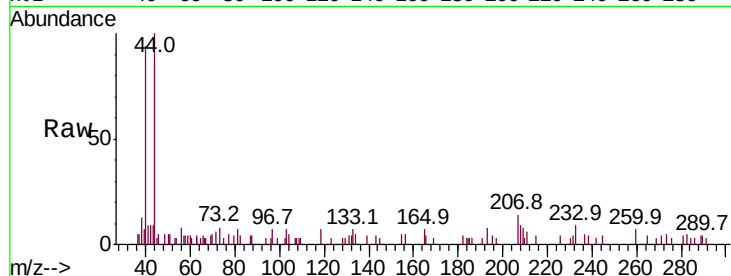
21-C5-20190409

Tot Ion:107 Resp: 73

Ion Ratio Lower Upper

107 100

109 104.1 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150

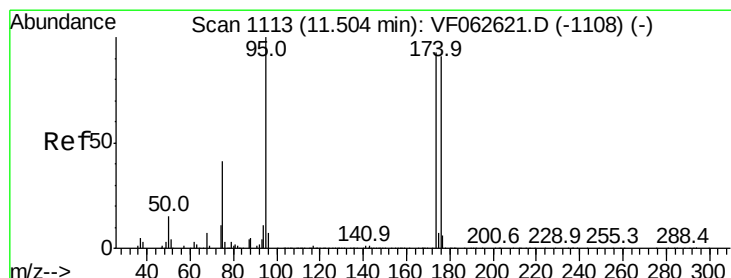
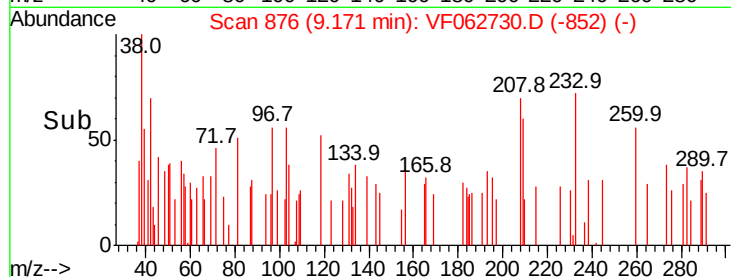
100

50

0

9.14 9.16 9.18 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 551.124 ug/l

RT: 11.40 min Scan# 1102

Delta R.T. -0.11 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

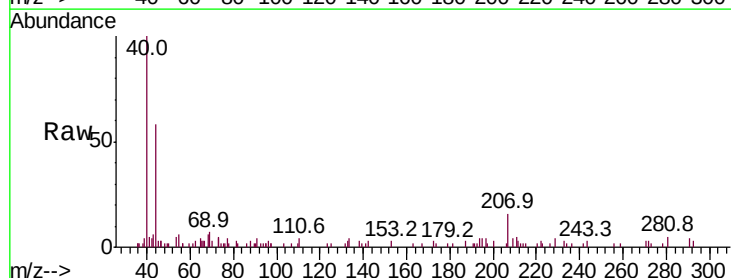
Tgt Ion: 95 Resp: 485

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

176 0.0 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

400

300

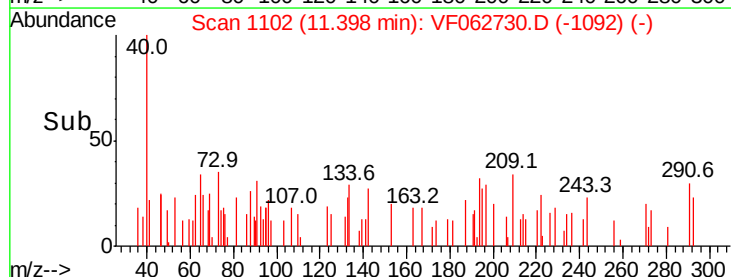
200

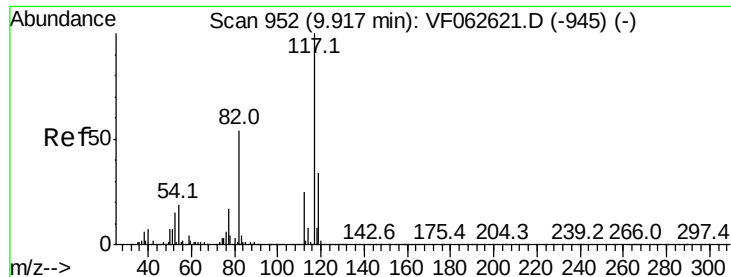
100

0

11.35 11.40 11.45

Time-->

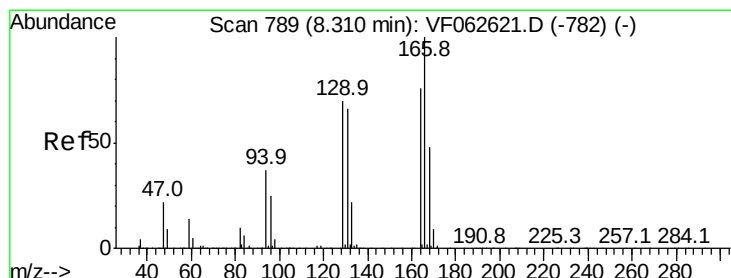
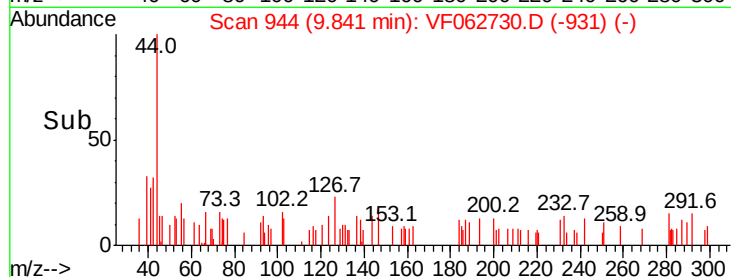
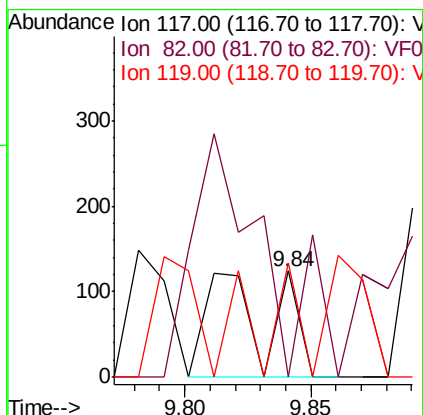
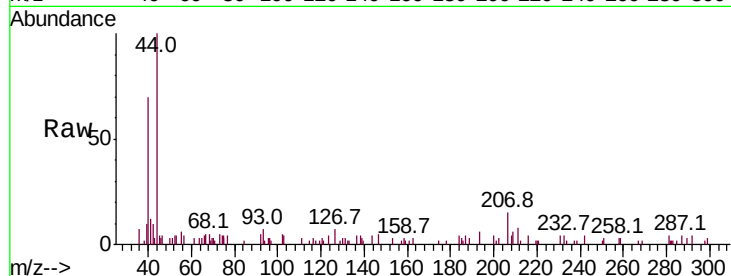




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.84 min Scan# 944
Delta R.T. -0.08 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

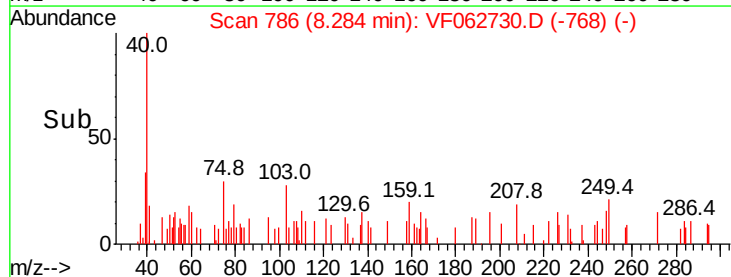
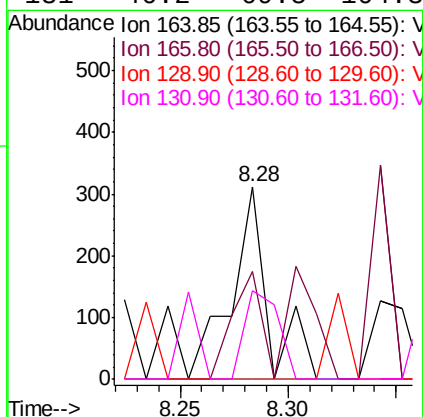
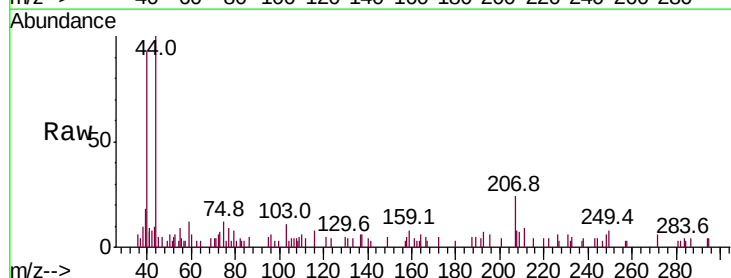
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

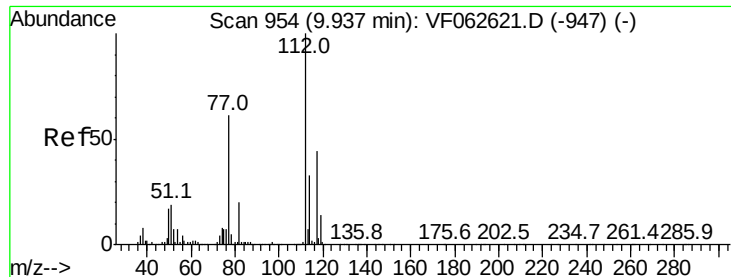
Tot Ion:117 Resp: 215
Ion Ratio Lower Upper
117 100
82 0.0 43.3 64.9#
119 107.3 27.4 41.0#



#64
Tetrachloroethene
Concen: 220.750 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.03 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion:164 Resp: 376
Ion Ratio Lower Upper
164 100
166 55.8 105.5 158.3#
129 59.0 73.8 110.6#
131 46.2 69.5 104.3#

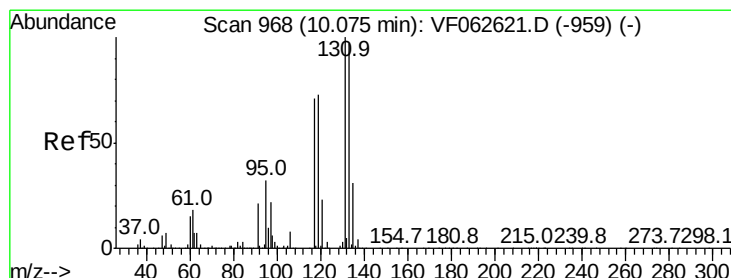
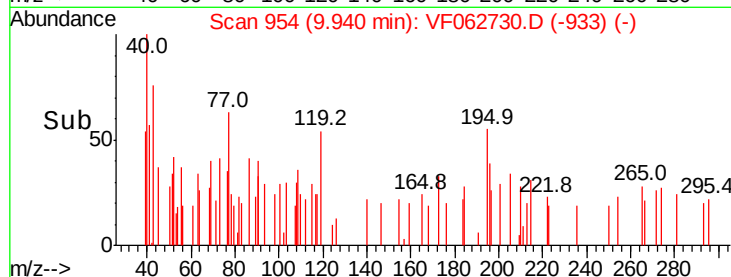
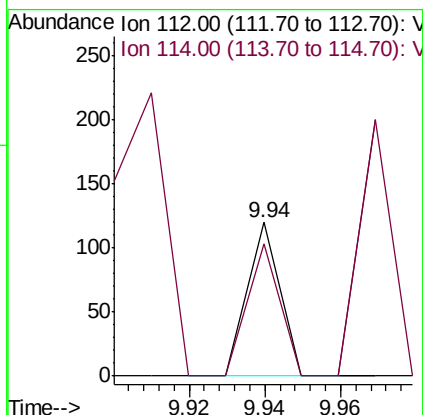
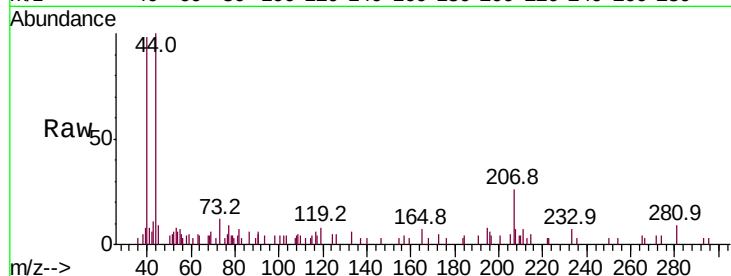




#65
Chlorobenzene
Concen: 16.813 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

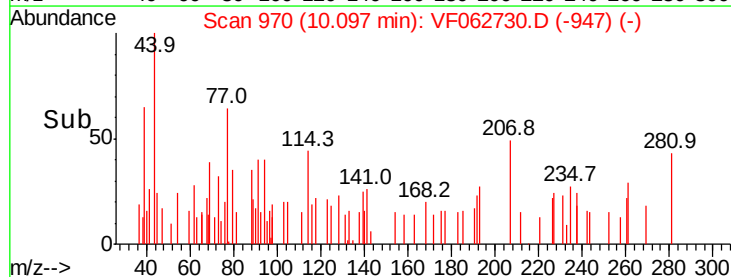
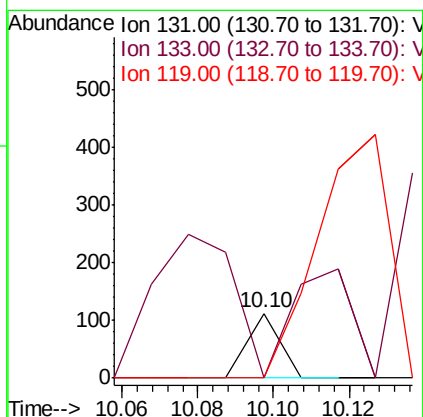
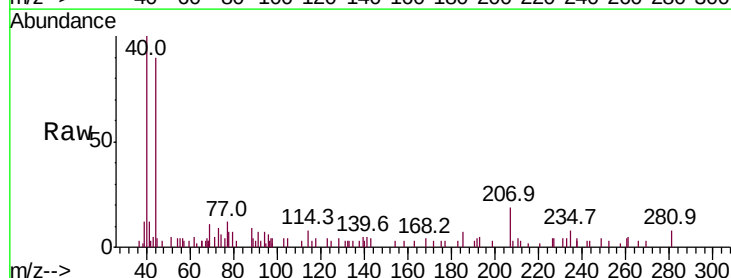
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

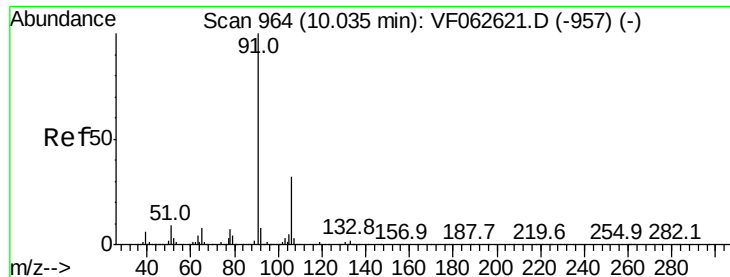
Tot Ion:112 Resp: 71
Ion Ratio Lower Upper
112 100
114 85.8 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 38.933 ug/l
RT: 10.10 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion:131 Resp: 66
Ion Ratio Lower Upper
131 100
133 0.0 48.5 145.5#
119 0.0 36.8 110.4#





#67

Ethyl Benzene

Concen: 45.529 ug/l

RT: 10.01 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

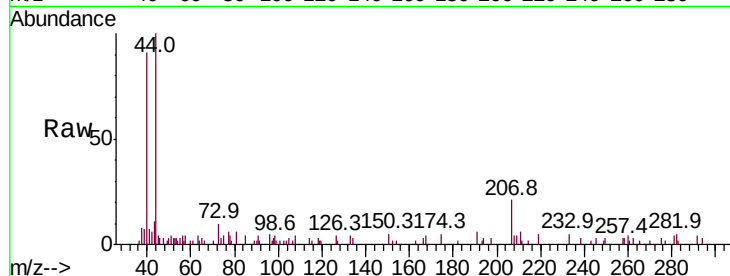
21-C5-20190409

Tot Ion: 91 Resp: 334

Ion Ratio Lower Upper

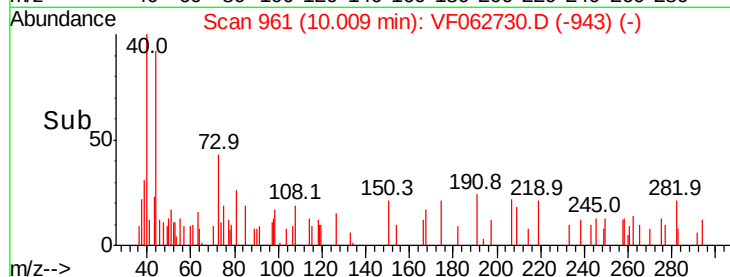
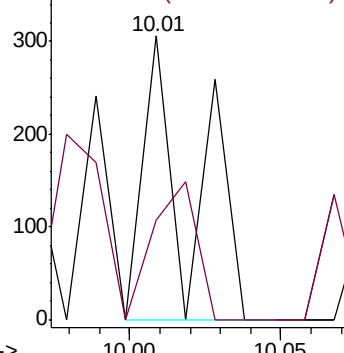
91 100

106 35.0 25.8 38.8

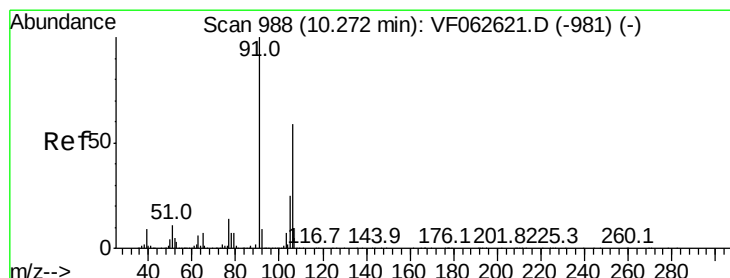


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 24.663 ug/l

RT: 10.36 min Scan# 997

Delta R.T. 0.09 min

Lab File: VF062730.D

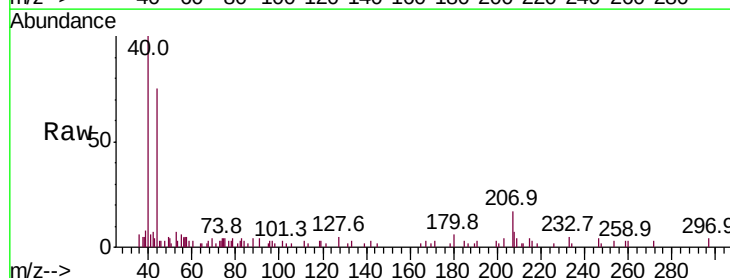
Acq: 23 May 2019 16:47

Tgt Ion: 106 Resp: 68

Ion Ratio Lower Upper

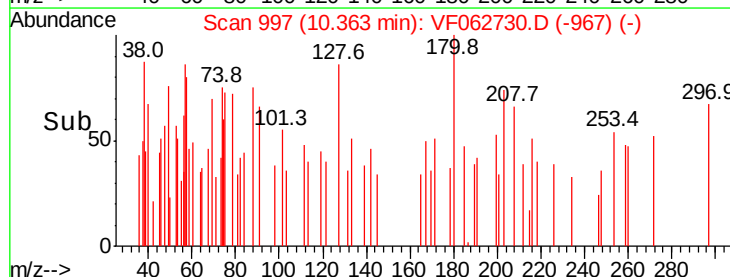
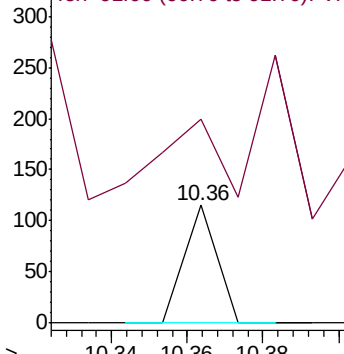
106 100

91 173.9 136.9 205.3

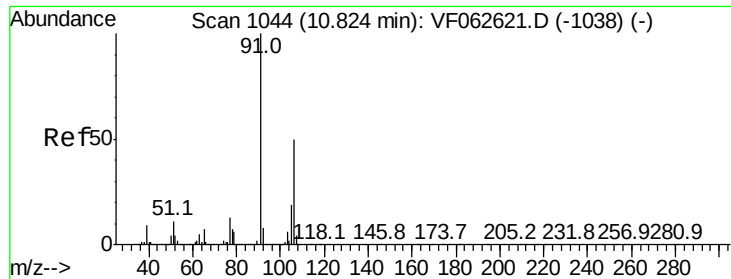


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



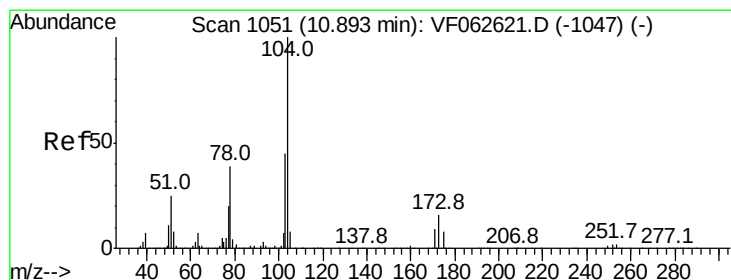
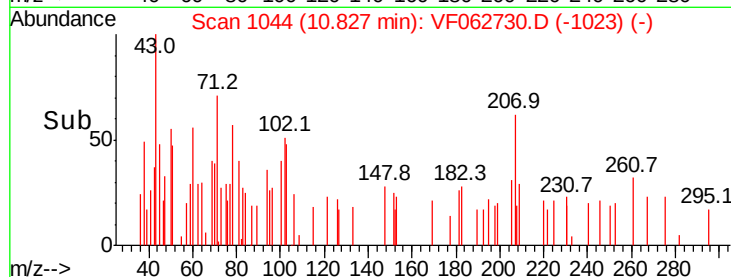
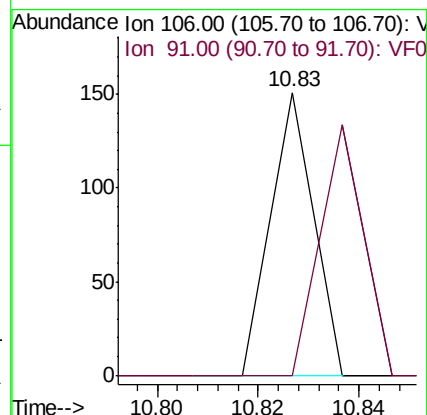
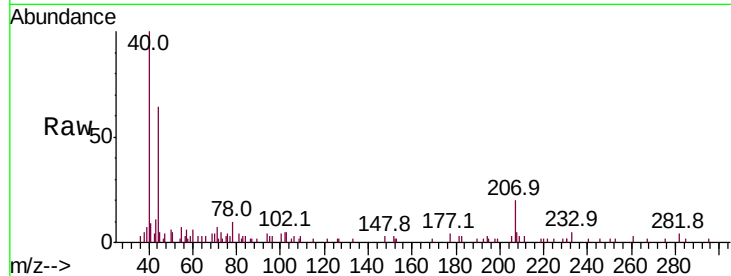
Time-->



#69
o-Xylene
Concen: 31.339 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

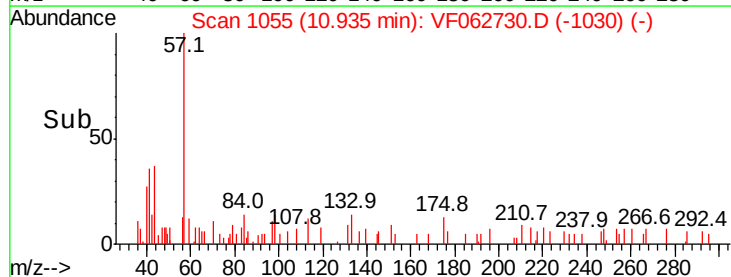
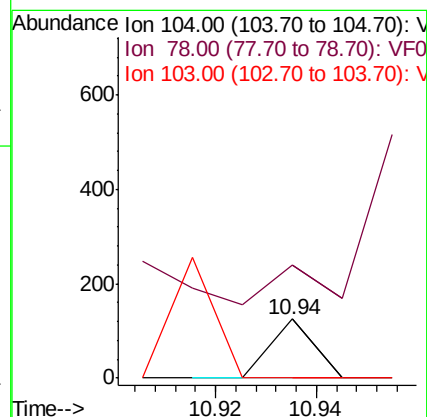
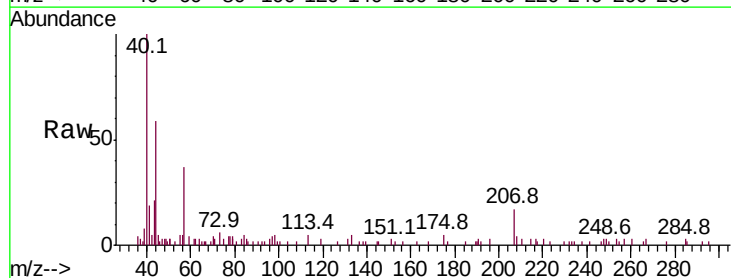
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

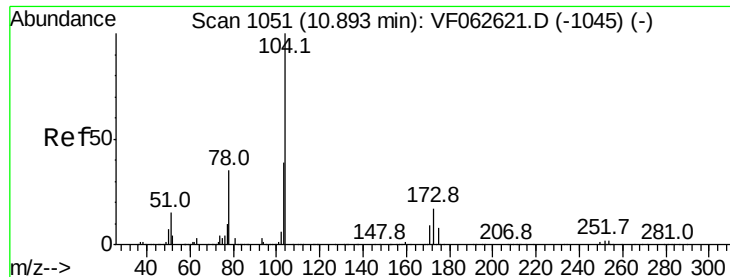
Tot Ion:106 Resp: 89
Ion Ratio Lower Upper
106 100
91 0.0 100.2 300.5#



#70
Styrene
Concen: 17.144 ug/l
RT: 10.94 min Scan# 1055
Delta R.T. 0.04 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion:104 Resp: 74
Ion Ratio Lower Upper
104 100
78 191.2 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 223.783 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

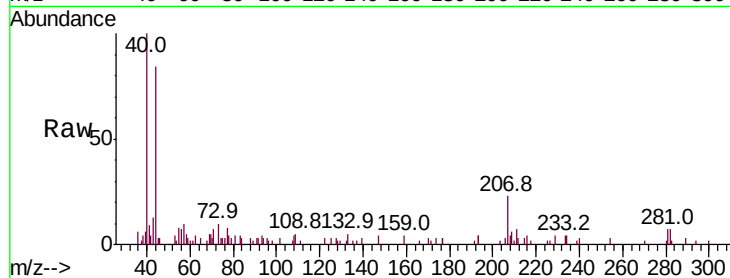
Tot Ion:173 Resp: 190

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

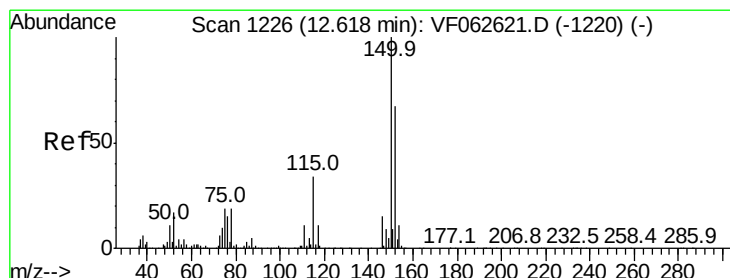
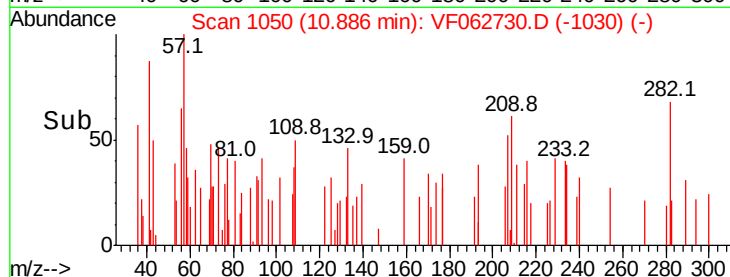
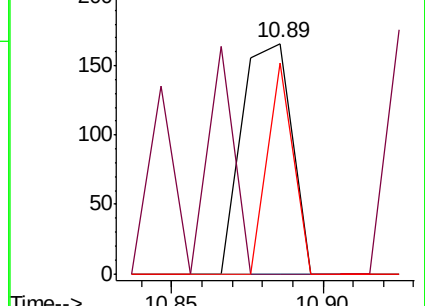
254 91.6 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. -0.05 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

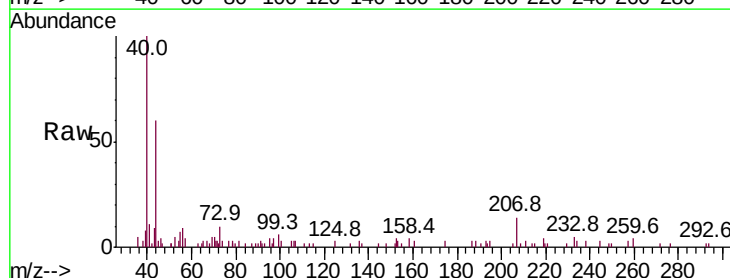
Tgt Ion:152 Resp: 220

Ion Ratio Lower Upper

152 100

115 47.6 25.2 75.6

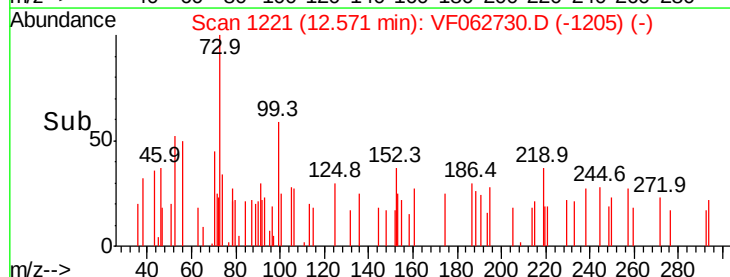
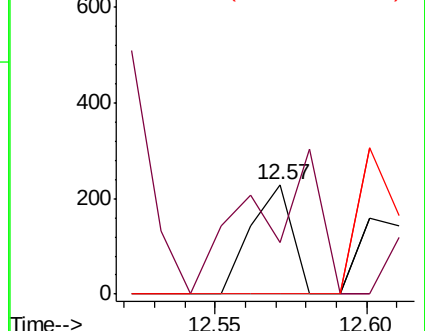
150 0.0 0.0 306.2

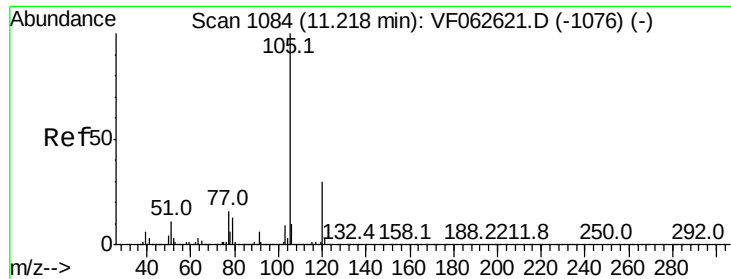


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.261 ug/l

RT: 11.31 min Scan# 1093

Delta R.T. 0.09 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

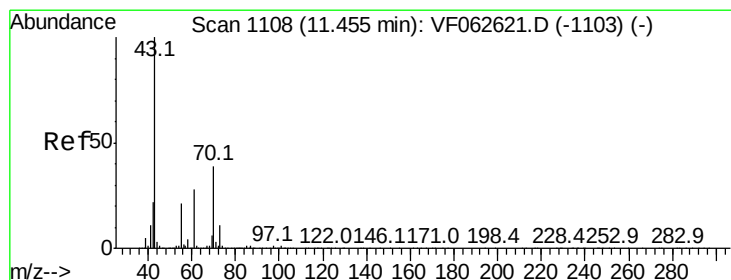
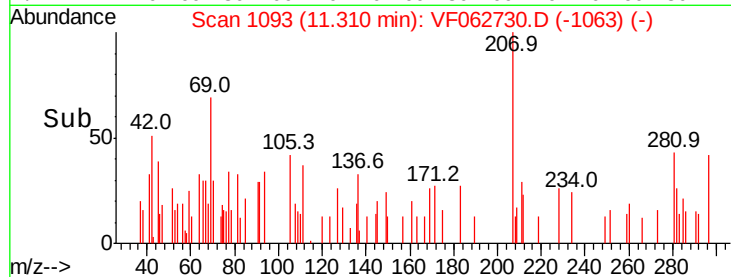
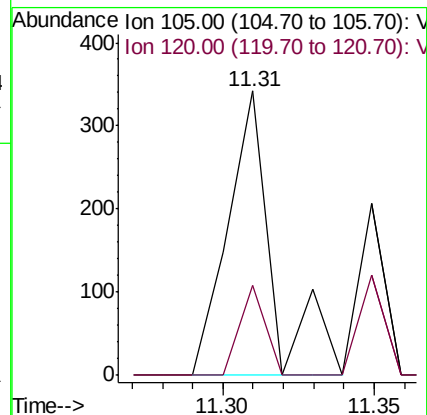
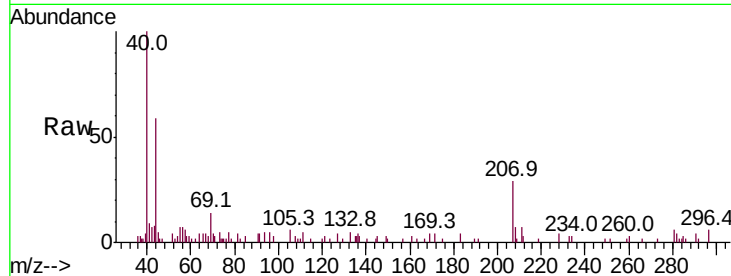
21-C5-20190409

Tot Ion:105 Resp: 351

Ion Ratio Lower Upper

105 100

120 31.3 14.8 44.4



#74

N-ethyl acetate

Concen: 517.855 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion: 43 Resp: 1875

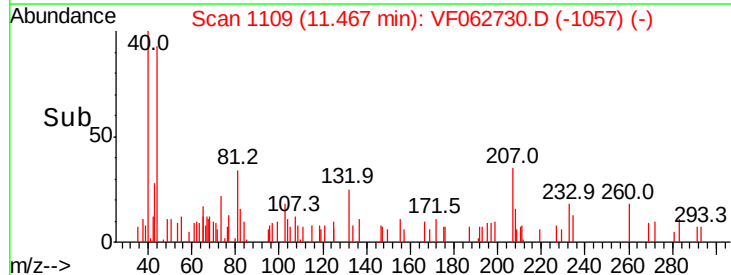
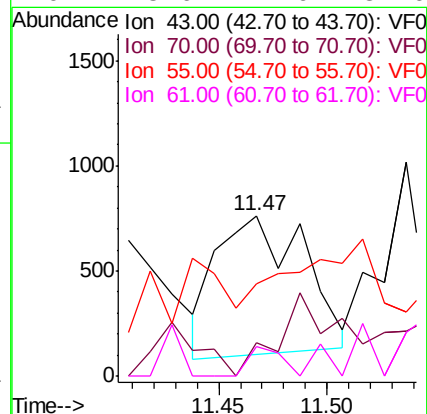
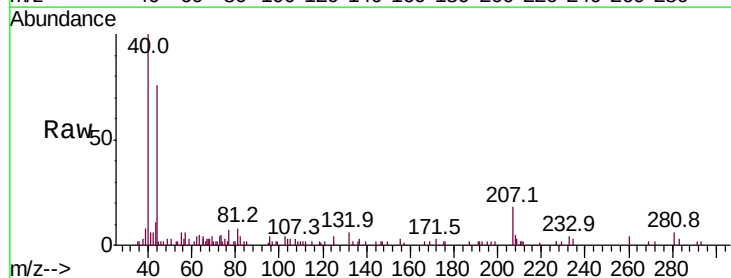
Ion Ratio Lower Upper

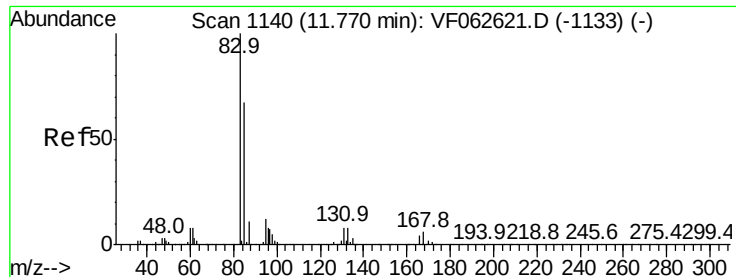
43 100

70 20.8 30.9 46.3#

55 57.8 17.0 25.4#

61 18.6 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 537.805 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

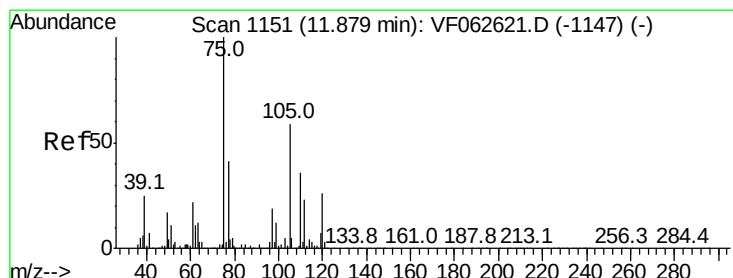
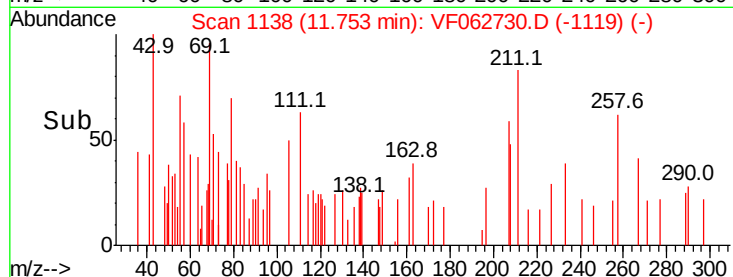
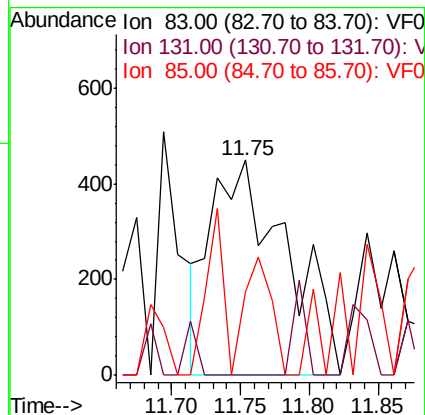
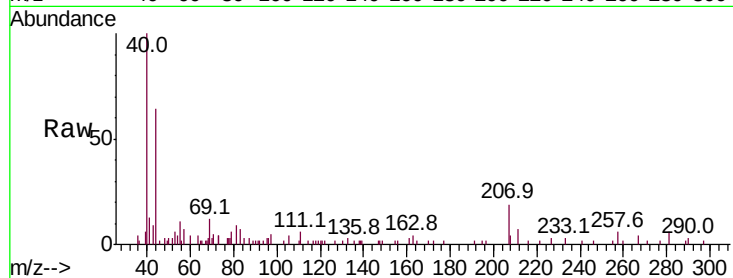
Tot Ion: 83 Resp: 1733

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 39.0 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 90.210 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.02 min

Lab File: VF062730.D

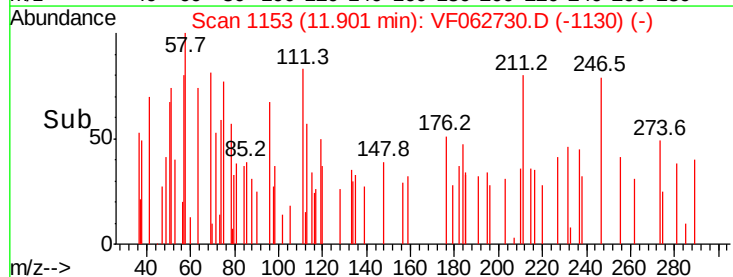
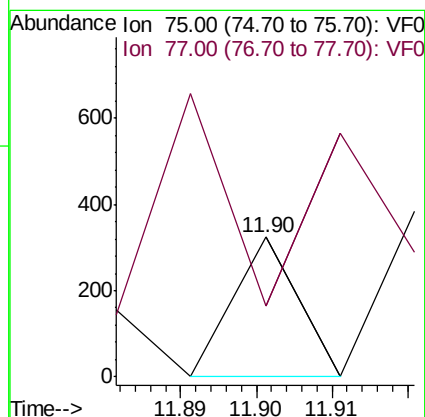
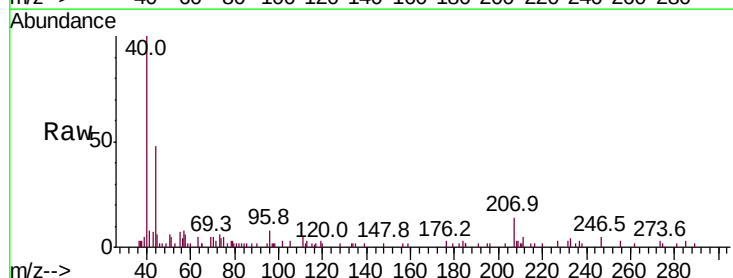
Acq: 23 May 2019 16:47

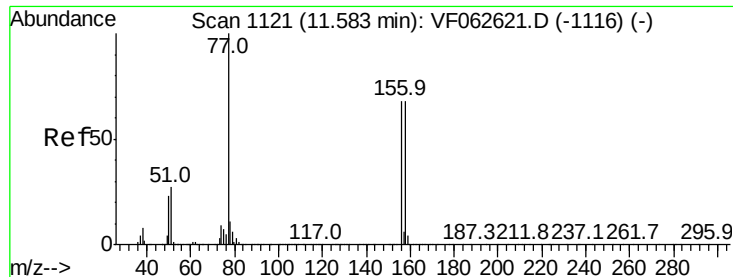
Tgt Ion: 75 Resp: 191

Ion Ratio Lower Upper

75 100

77 50.6 20.6 61.8

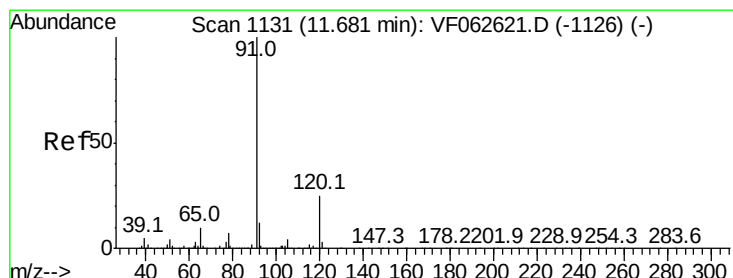
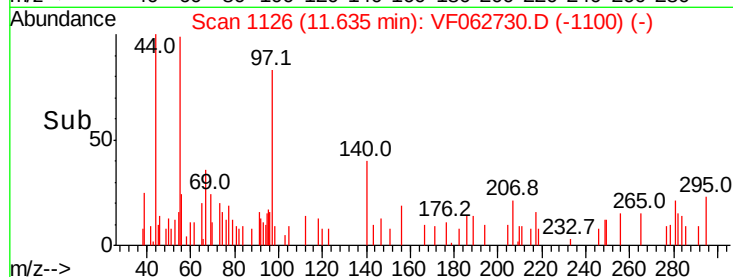
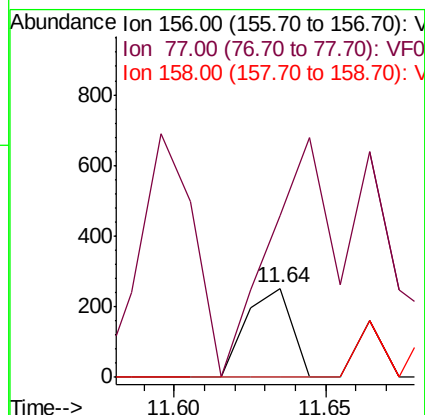
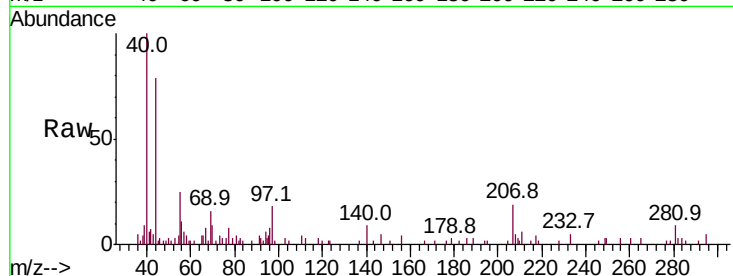




#77
Bromobenzene
Concen: 67.613 ug/l
RT: 11.64 min Scan# 1126
Delta R.T. 0.05 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

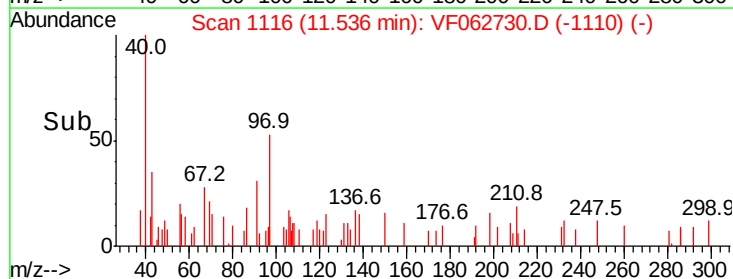
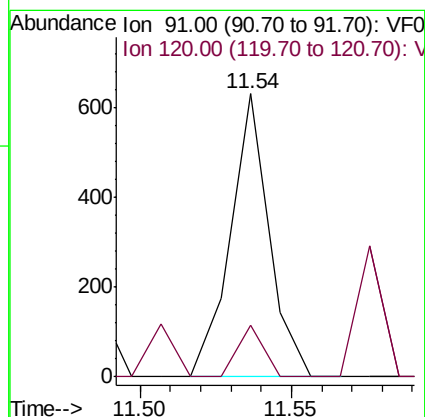
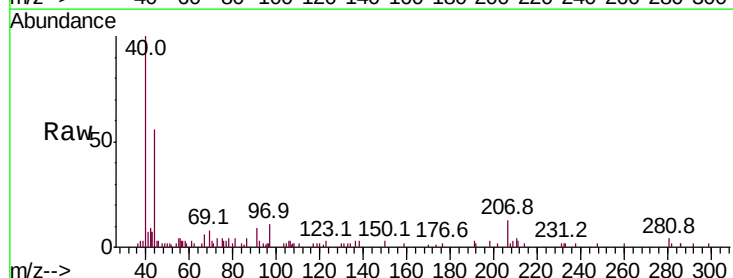
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

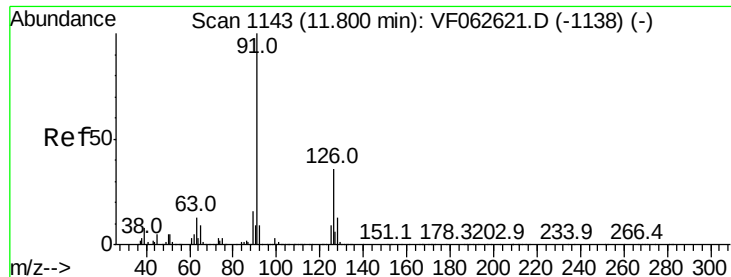
Tot Ion:156 Resp: 265
Ion Ratio Lower Upper
156 100
77 182.1 73.6 220.8
158 0.0 49.6 148.8#



#78
n-propylbenzene
Concen: 30.117 ug/l
RT: 11.54 min Scan# 1116
Delta R.T. -0.14 min
Lab File: VF062730.D
Acq: 23 May 2019 16:47

Tgt Ion: 91 Resp: 562
Ion Ratio Lower Upper
91 100
120 18.2 12.7 38.1





#79

2-Chlorotoluene

Concen: 67.133 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. 0.05 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

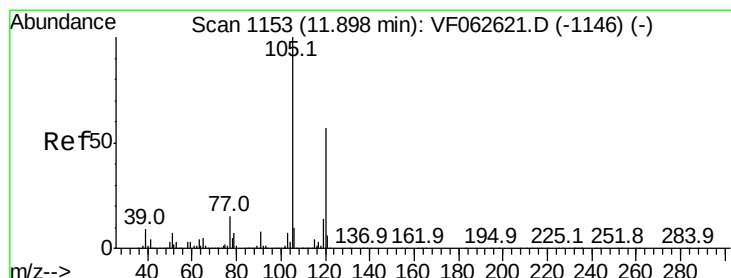
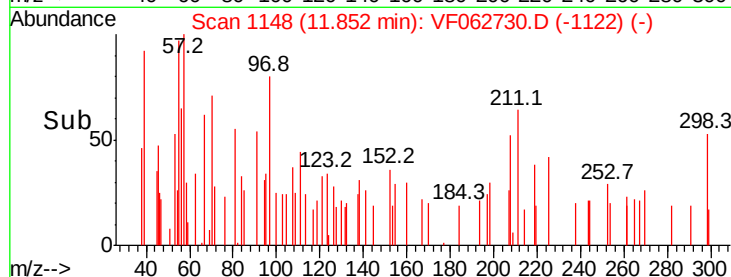
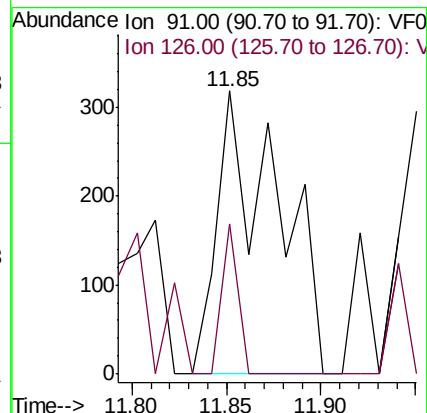
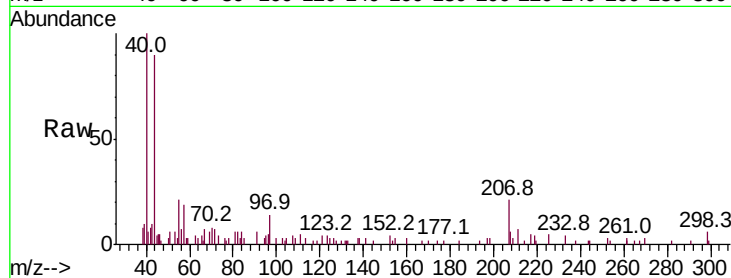
21-C5-20190409

Tot Ion: 91 Resp: 706

Ion Ratio Lower Upper

91 100

126 53.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 71.105 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.07 min

Lab File: VF062730.D

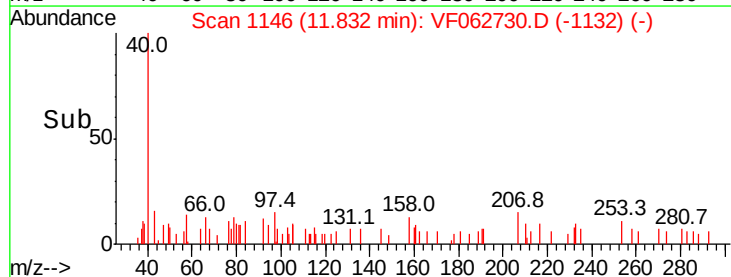
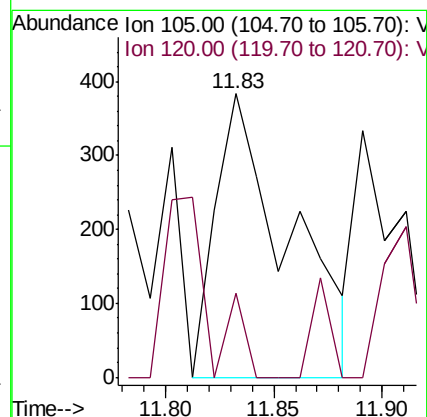
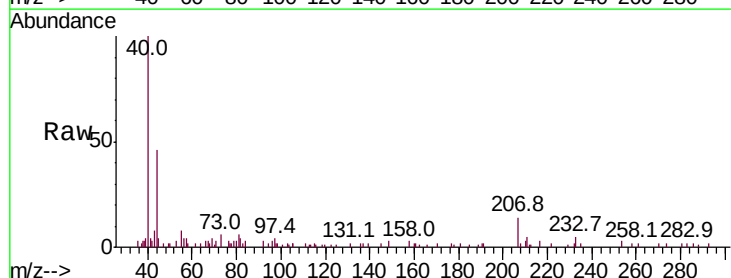
Acq: 23 May 2019 16:47

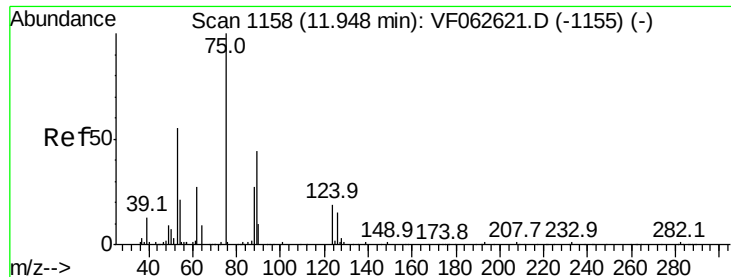
Tgt Ion:105 Resp: 899

Ion Ratio Lower Upper

105 100

120 29.5 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 172.130 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

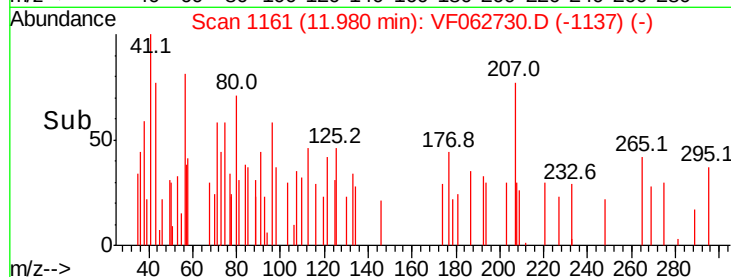
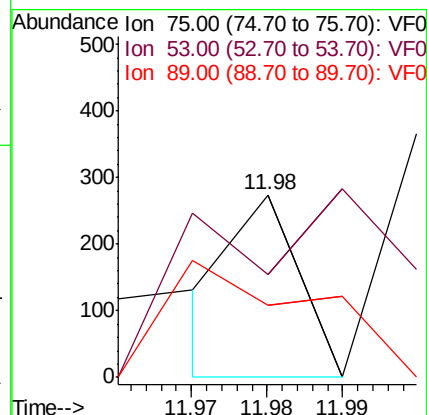
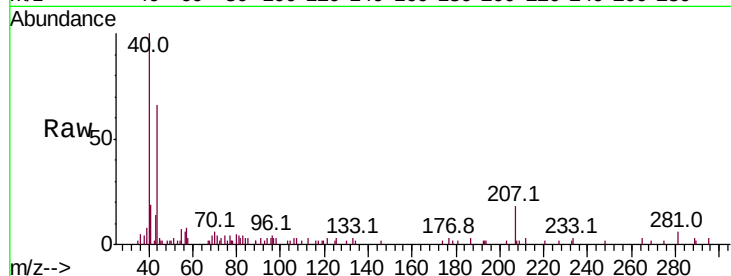
Tot Ion: 75 Resp: 162

Ion Ratio Lower Upper

75 100

53 56.6 46.9 70.3

89 39.8 36.4 54.6



#82

4-Chlorotoluene

Concen: 40.306 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062730.D

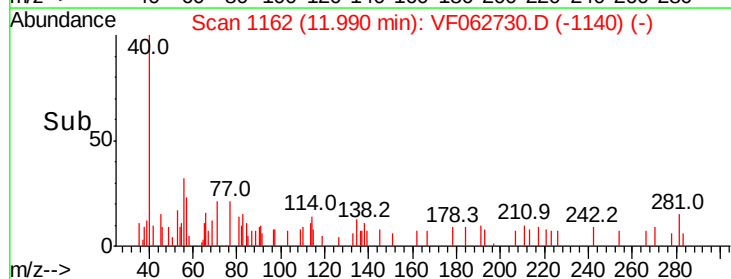
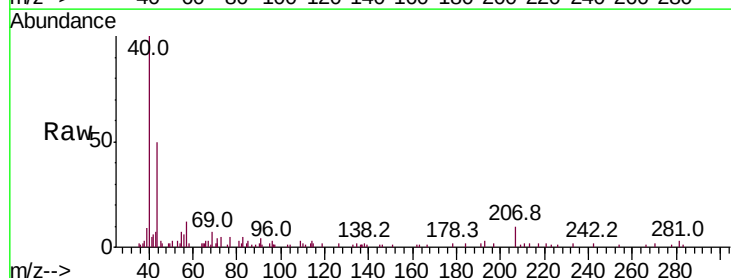
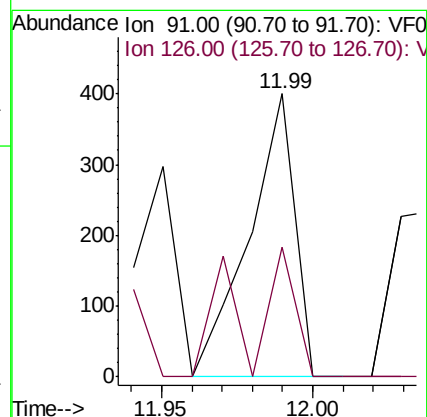
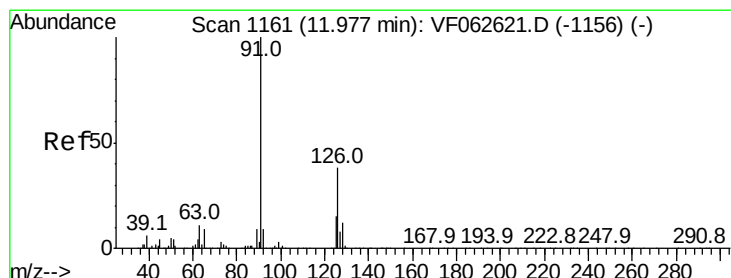
Acq: 23 May 2019 16:47

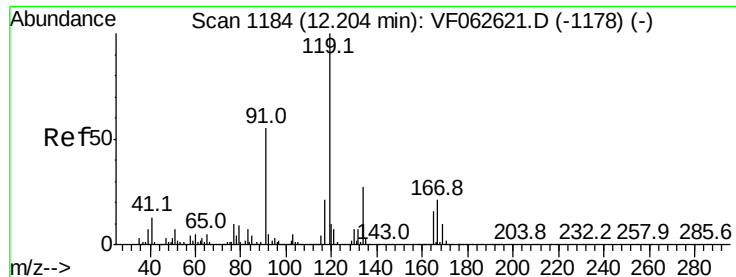
Tgt Ion: 91 Resp: 418

Ion Ratio Lower Upper

91 100

126 46.0 19.1 57.1

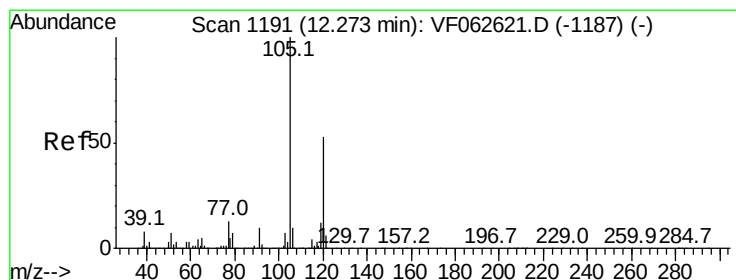
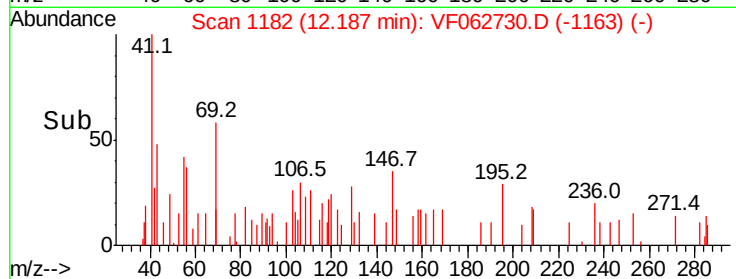
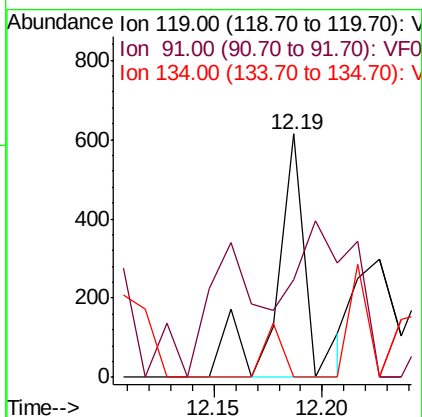
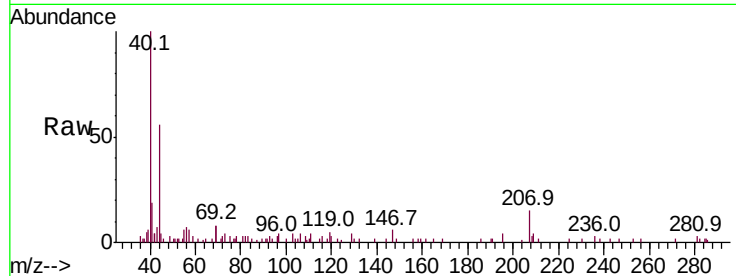




#83
 tert-Butylbenzene
 Concen: 47.243 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062730.D
 Acq: 23 May 2019 16:47

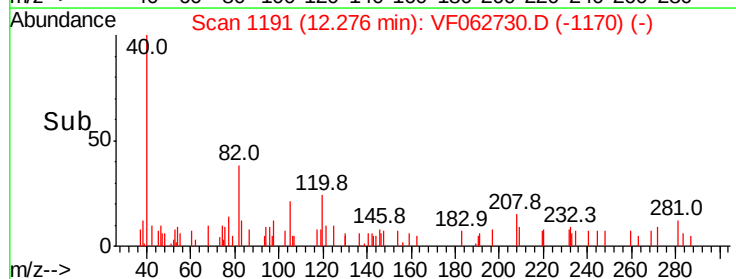
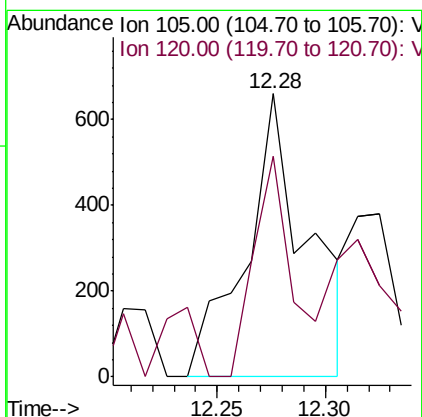
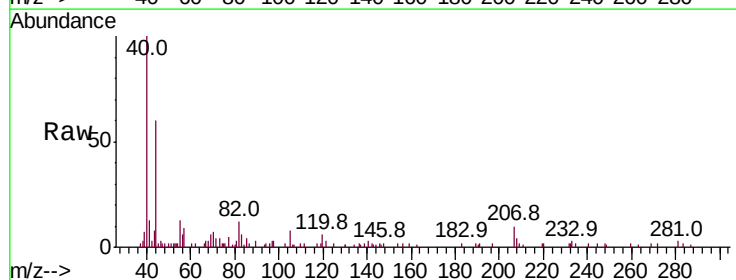
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409

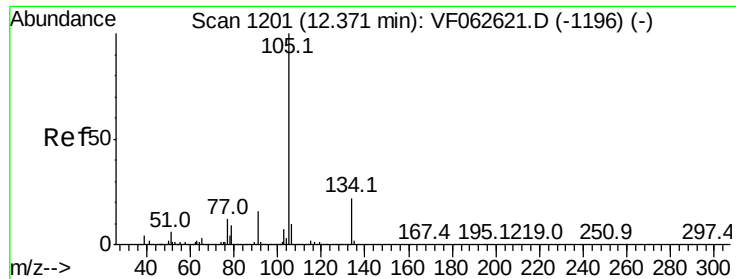
Tot Ion:119 Resp: 606
 Ion Ratio Lower Upper
 119 100
 91 40.2 27.3 81.9
 134 0.0 13.6 40.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 106.153 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062730.D
 Acq: 23 May 2019 16:47

Tgt Ion:105 Resp: 1299
 Ion Ratio Lower Upper
 105 100
 120 78.0 26.7 80.1





#85

sec-Butylbenzene

Concen: 39.502 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

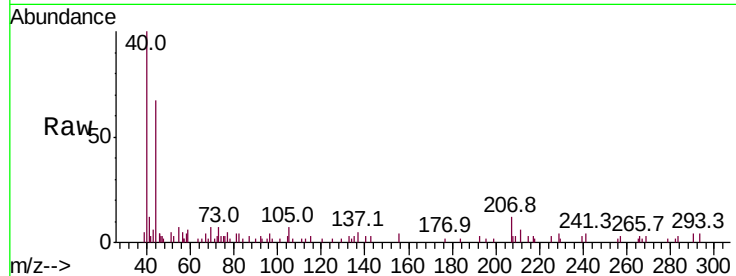
21-C5-20190409

Tot Ion:105 Resp: 680

Ion Ratio Lower Upper

105 100

134 23.1 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

400

300

200

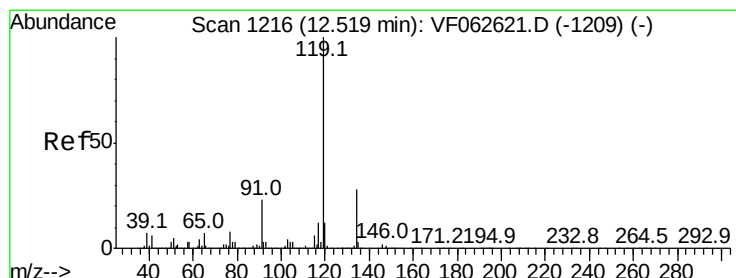
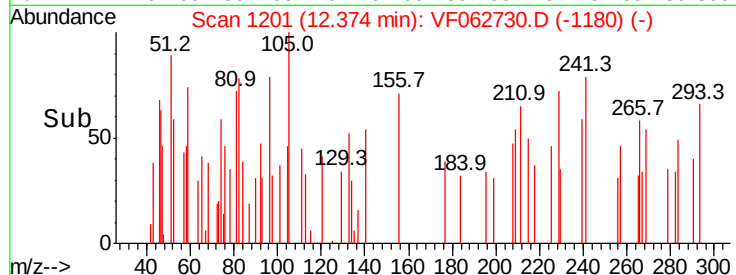
100

0

12.35

12.40

Time-->



#86

p-Isopropyltoluene

Concen: 13.510 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

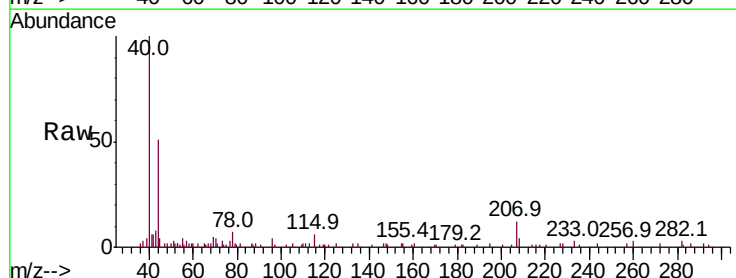
Tgt Ion:119 Resp: 196

Ion Ratio Lower Upper

119 100

134 0.0 14.1 42.3#

91 47.5 11.4 34.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

400

300

200

100

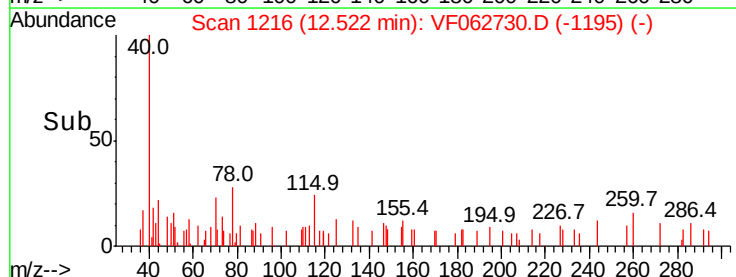
0

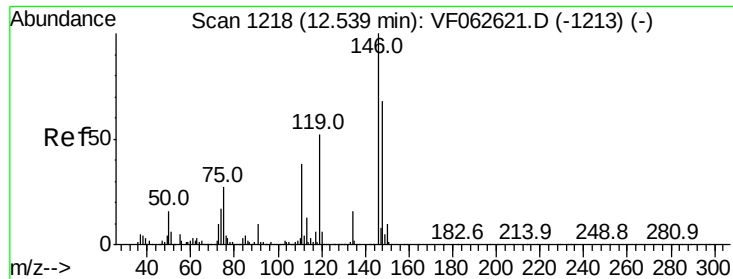
12.50

12.52

12.54

Time-->





#87

1,3-Dichlorobenzene

Concen: 14.808 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

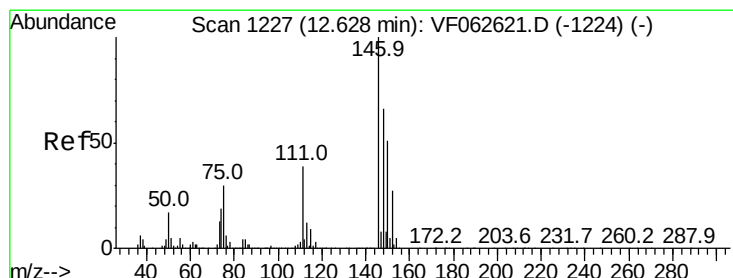
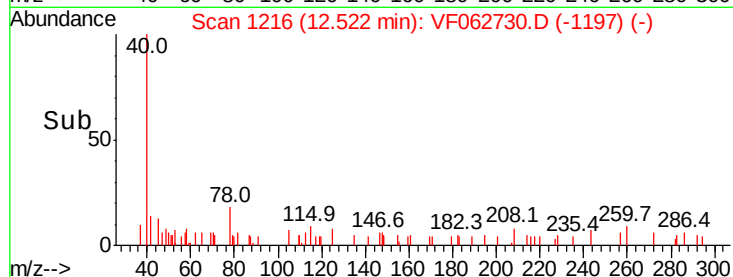
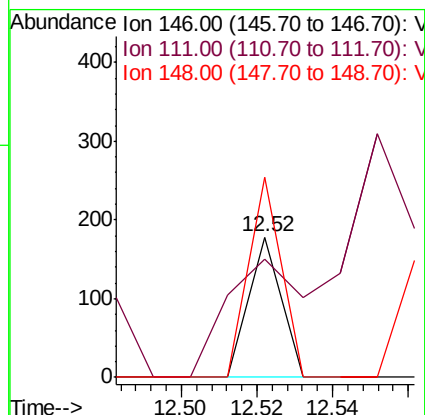
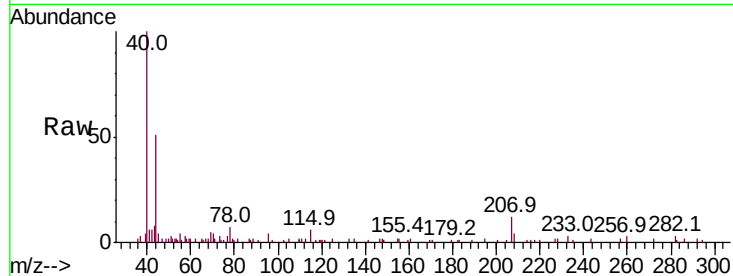
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409

Tot Ion:146 Resp: 105

Ion	Ratio	Lower	Upper
146	100		
111	84.8	18.9	56.9#
148	143.3	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 29.304 ug/l

RT: 12.64 min Scan# 1228

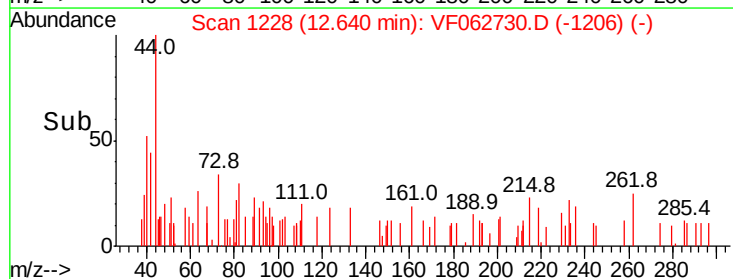
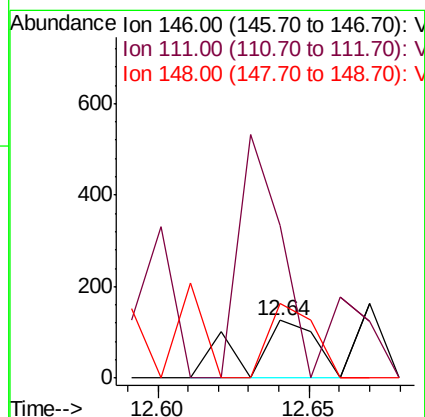
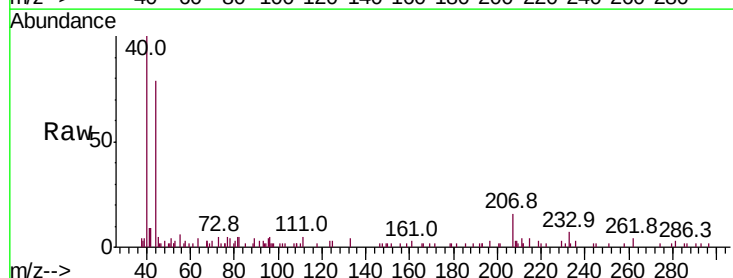
Delta R.T. 0.01 min

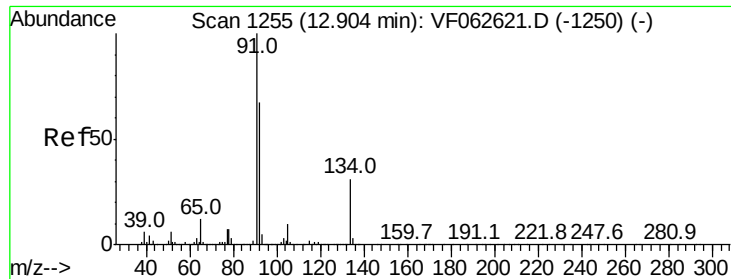
Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion:146 Resp: 195

Ion	Ratio	Lower	Upper
146	100		
111	265.1	19.4	58.2#
148	130.2	33.2	99.6#





#89

n-Butylbenzene

Concen: 46.701 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409

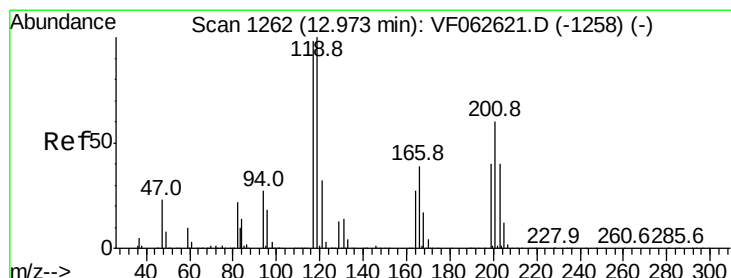
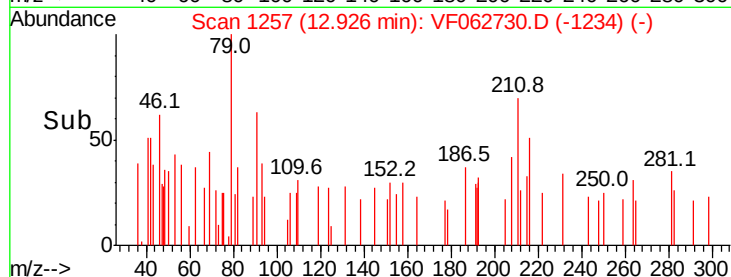
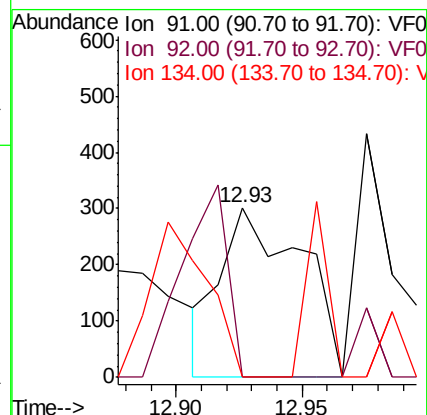
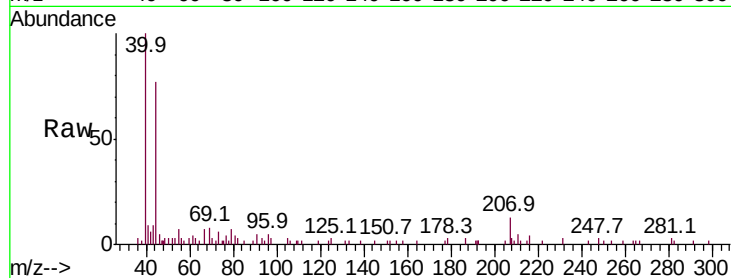
Tot Ion: 91 Resp: 668

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 96.260 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. 0.11 min

Lab File: VF062730.D

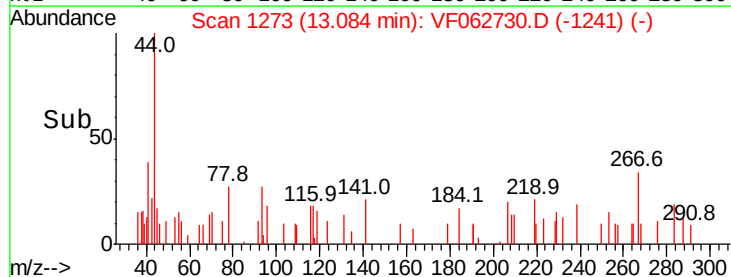
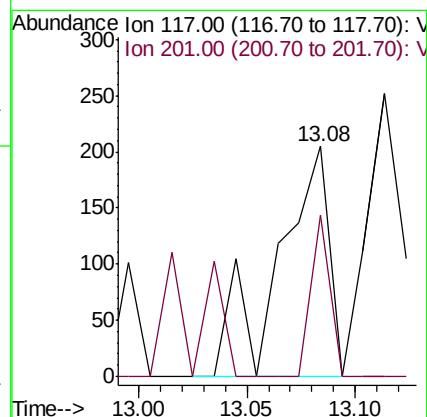
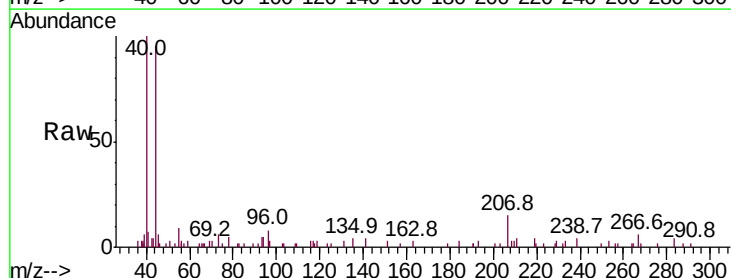
Acq: 23 May 2019 16:47

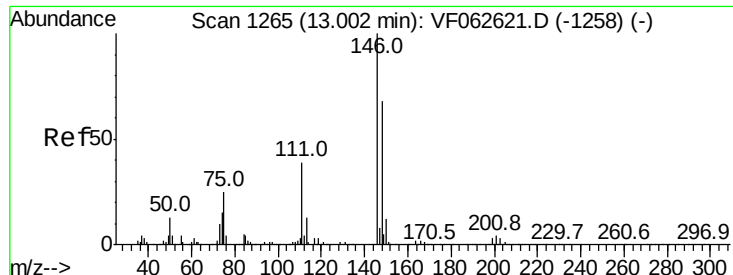
Tgt Ion: 117 Resp: 335

Ion Ratio Lower Upper

117 100

201 70.2 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 12.182 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

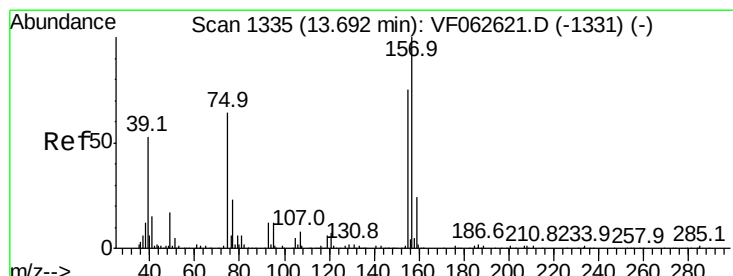
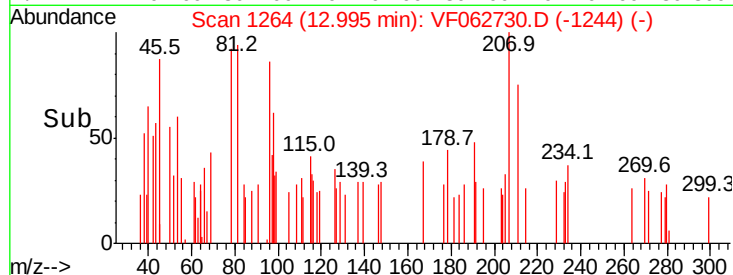
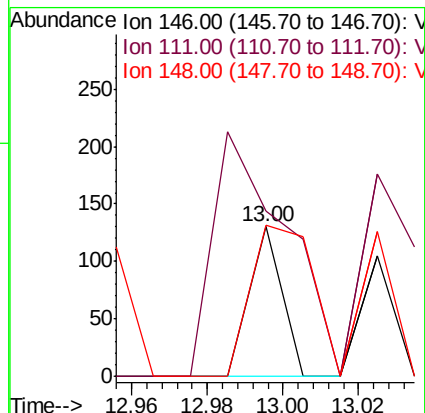
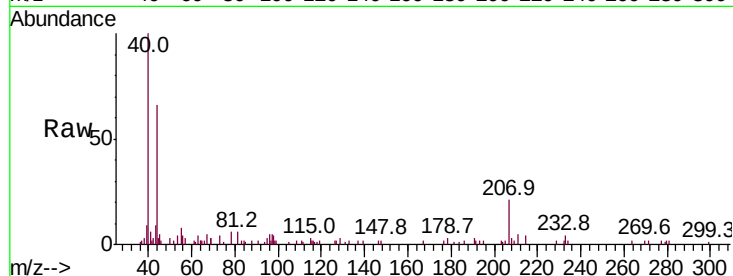
Instrument :

MSVOA_F

ClientSampled :

21-C5-20190409

Tot Ion:	146	Resp:	77
Ion	Ratio	Lower	Upper
146	100		
111	189.2	19.8	59.3#
148	101.5	34.1	102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 835.035 ug/l

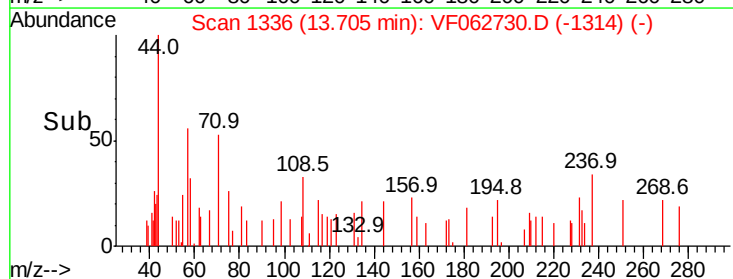
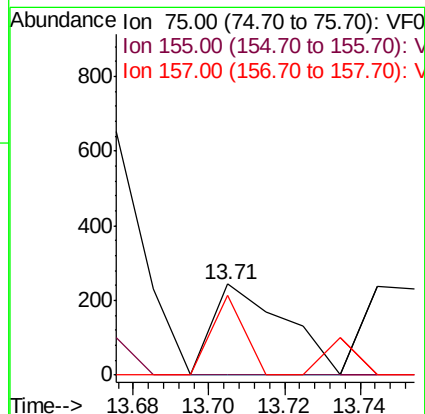
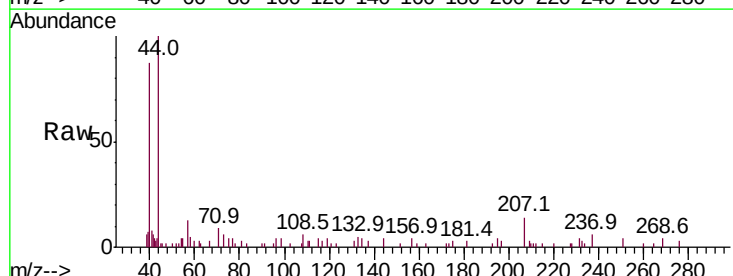
RT: 13.71 min Scan# 1336

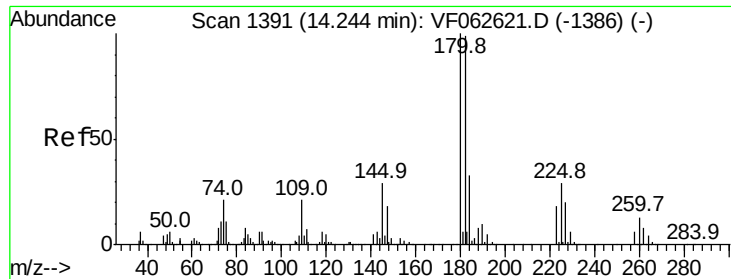
Delta R.T. 0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion:	75	Resp:	321
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	88.1	77.8	233.4

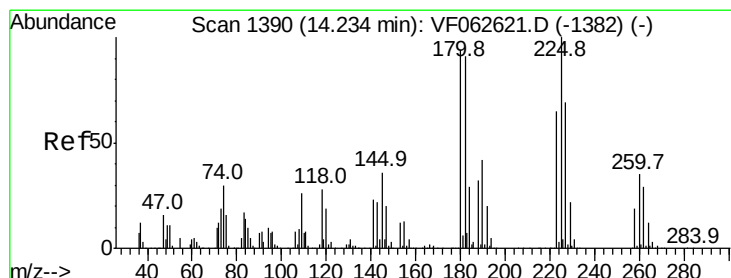
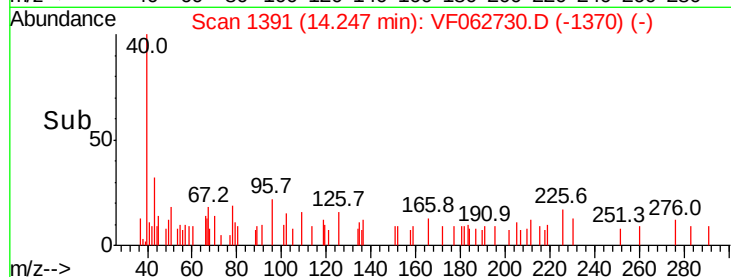
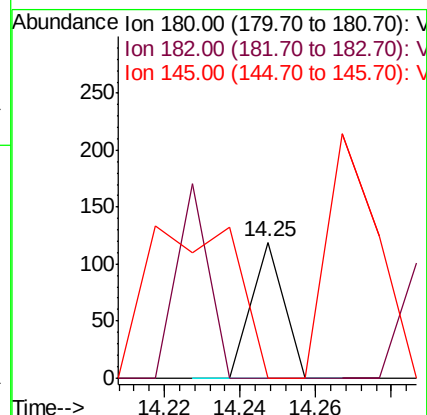
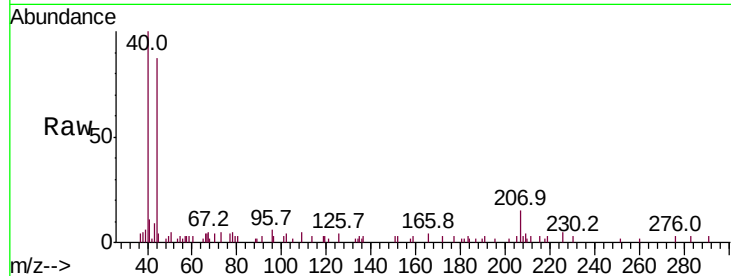




#93
 1,2,4-Trichlorobenzene
 Concen: 15.472 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062730.D
 Acq: 23 May 2019 16:47

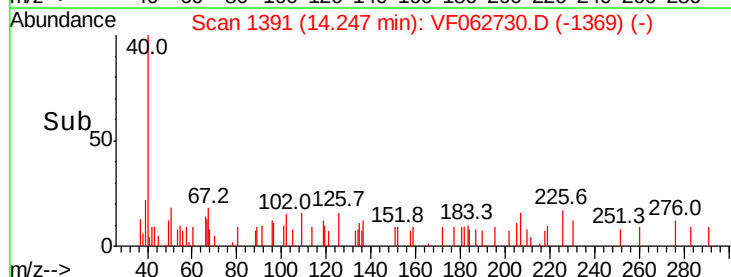
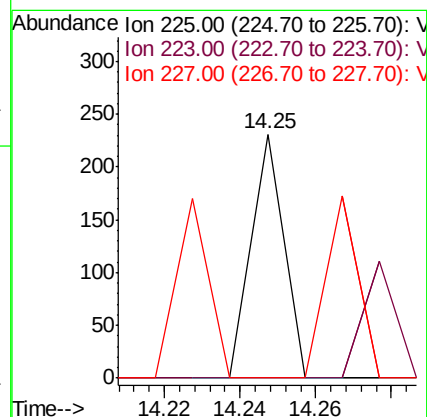
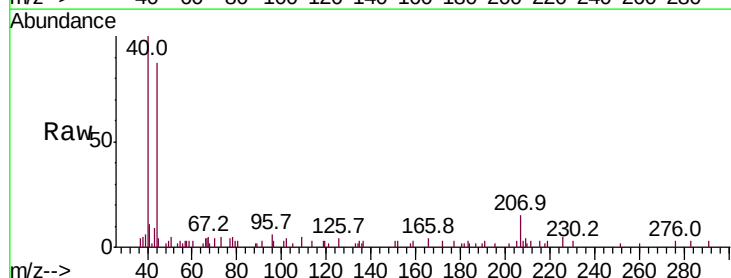
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409

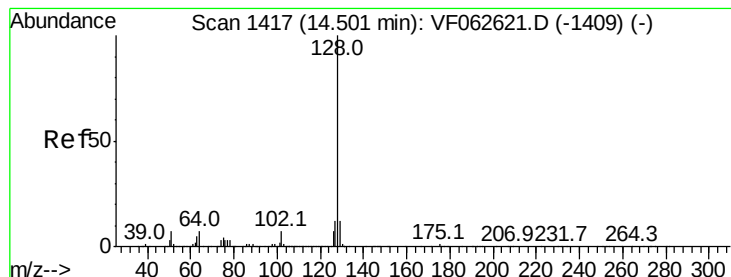
Tot Ion:180 Resp: 70
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 43.389 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062730.D
 Acq: 23 May 2019 16:47

Tgt Ion:225 Resp: 137
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#





#95

Naphthalene

Concen: 27.860 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Instrument :

MSVOA_F

ClientSampled :

21-C5-20190409

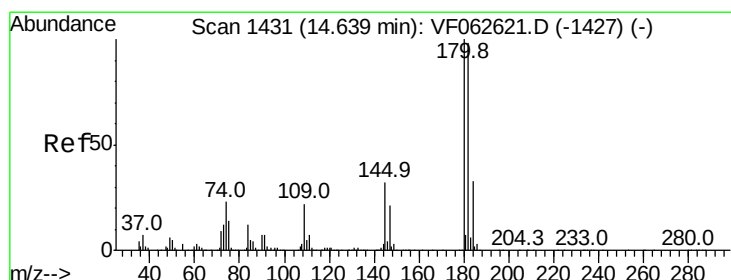
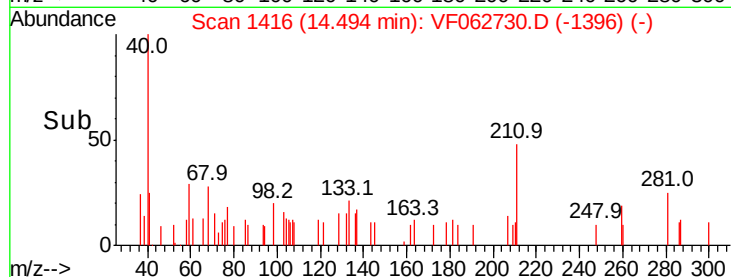
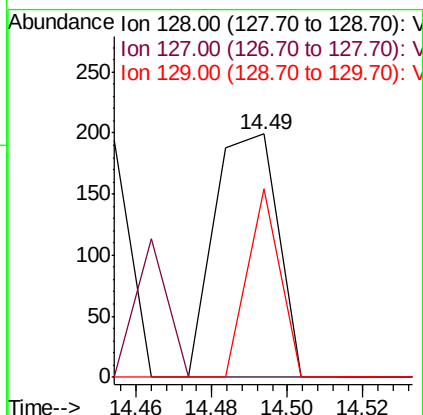
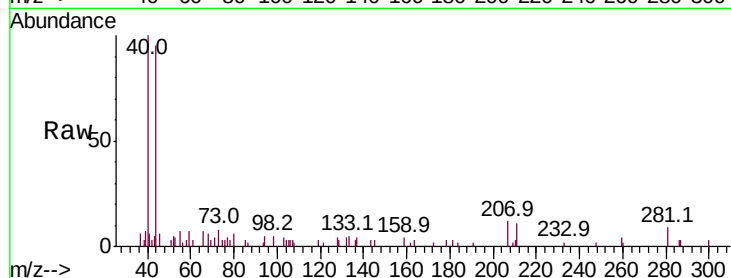
Tot Ion:128 Resp: 229

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 77.4 9.3 13.9#



#96

1,2,3-Trichlorobenzene

Concen: 20.067 ug/l

RT: 14.73 min Scan# 1440

Delta R.T. 0.09 min

Lab File: VF062730.D

Acq: 23 May 2019 16:47

Tgt Ion:180 Resp: 86

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#

