

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062715.D
 Acq On : 22 May 2019 19:37
 Operator : FY/SY
 Sample : K3002-07RE
 Misc : 5.10g/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

Quant Time: May 23 01:24:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.18	168	291	50.00	ug/l	0.11
34) 1,4-Difluorobenzene	5.76	114	6664	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	2261	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	64	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.09	65	769	373.96	ug/l	0.05
Spiked Amount	50.000		Recovery	=	747.92%	
35) Dibromofluoromethane	4.30	113	2826	55.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.84%	
50) Toluene-d8	7.70	98	4940	40.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	81.14%	
62) 4-Bromofluorobenzene	11.43	95	423	9.16	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	18.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.09	85	127	32.070	ug/l	91
3) Chloromethane	1.31	50	856	234.754	ug/l	99
4) Vinyl Chloride	1.18	62	314	93.551	ug/l #	55
5) Bromomethane	1.42	94	530	288.641	ug/l	98
6) Chloroethane	1.50	64	471	382.085	ug/l #	45
7) Trichlorofluoromethane	1.46	101	293	65.014	ug/l	86
8) Diethyl Ether	1.85	74	256	286.733	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.95	101	222	77.360	ug/l #	48
10) Methyl Iodide	2.03	142	265	47.009	ug/l #	29
11) Tert butyl alcohol	2.76	59	584	4301.649	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	924	353.464	ug/l #	56
13) Acrolein	2.07	56	253	1785.259	ug/l	85
14) Allyl chloride	2.26	41	738	311.927	ug/l #	14
15) Acrylonitrile	3.19	53	204	532.692	ug/l #	13
16) Acetone	2.40	43	241	451.748	ug/l #	78
17) Carbon Disulfide	1.98	76	459	59.240	ug/l #	15
18) Methyl Acetate	2.53	43	390	465.208	ug/l #	62
19) Methyl tert-butyl Ether	2.56	73	1081	231.321	ug/l #	60
20) Methylene Chloride	2.35	84	452	169.032	ug/l #	11
21) trans-1,2-Dichloroethene	2.46	96	1195	467.691	ug/l #	3
22) Diisopropyl ether	3.00	45	771	132.127	ug/l #	70
23) Vinyl Acetate	3.42	43	2086	529.934	ug/l #	81
24) 1,1-Dichloroethane	3.09	63	419	97.879	ug/l #	86
25) 2-Butanone	4.53	43	498	436.925	ug/l	94
26) 2,2-Dichloropropane	3.87	77	167	68.183	ug/l #	3
27) cis-1,2-Dichloroethene	3.71	96	470	111.827	ug/l	1
28) Bromochloromethane	4.03	49	290	120.790	ug/l #	35
29) Tetrahydrofuran	4.40	42	1392	3018.009	ug/l #	52
30) Chloroform	4.10	83	367	61.749	ug/l	84
31) Cyclohexane	3.96	56	186	32.360	ug/l #	1
32) 1,1,1-Trichloroethane	4.39	97	170	43.069	ug/l #	49
36) 1,1-Dichloropropene	4.48	75	623	9.123	ug/l #	38
37) Ethyl Acetate	4.27	43	739	26.505	ug/l #	43
38) Carbon Tetrachloride	4.16	117	133	2.590	ug/l #	12

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	145	1.765	ug/l #	46
40) Benzene	4.79	78	394	2.118	ug/l #	37
41) Methacrylonitrile	4.91	41	1247	85.310	ug/l #	12
42) 1,2-Dichloroethane	5.08	62	192	5.176	ug/l	71
43) Isopropyl Acetate	7.11	43	1391	38.510	ug/l #	43
44) Trichloroethene	5.69	130	90	1.721	ug/l	1
45) 1,2-Dichloropropane	6.33	63	299	6.367	ug/l	96
46) Dibromomethane	6.20	93	172	6.338	ug/l #	1
47) Bromodichloromethane	6.51	83	240	4.260	ug/l #	25
48) Methyl methacrylate	6.86	41	851	45.075	ug/l #	36
49) 1,4-Dioxane	6.87	88	346	1430.869	ug/l #	1
51) 4-Methyl-2-Pentanone	8.33	43	1158	46.901	ug/l	100
52) Toluene	7.75	92	389	3.987	ug/l #	1
53) t-1,3-Dichloropropene	8.40	75	231	5.011	ug/l #	62
54) cis-1,3-Dichloropropene	7.45	75	411	6.370	ug/l #	1
55) 1,1,2-Trichloroethane	8.64	97	247	8.551	ug/l #	48
56) Ethyl methacrylate	8.76	69	682	19.817	ug/l #	1
57) 1,3-Dichloropropane	8.96	76	296	6.016	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.40	63	654	58.382	ug/l #	51
59) 2-Hexanone	9.55	43	267	Below Cal		70
60) Dibromochloromethane	8.94	129	155	4.117	ug/l	84
61) 1,2-Dibromoethane	9.08	107	176	5.736	ug/l #	3
64) Tetrachloroethene	8.32	164	283	15.799	ug/l #	33
65) Chlorobenzene	9.95	112	66	1.486	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.05	131	89	4.992	ug/l #	69
67) Ethyl Benzene	9.90	91	247	3.202	ug/l	97
68) m/p-Xylenes	10.31	106	112	3.863	ug/l #	18
69) o-Xylene	10.85	106	341	11.418	ug/l #	21
70) Styrene	10.86	104	64	1.410	ug/l #	1
71) Bromoform	10.91	173	59	6.608	ug/l #	2
73) Isopropylbenzene	11.20	105	219	47.744	ug/l #	45
74) N-amyl acetate	11.47	43	1273	1216.655	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	11.74	83	455	485.379	ug/l #	80
76) 1,2,3-Trichloropropane	11.86	75	82	133.130	ug/l #	34
77) Bromobenzene	11.68	156	99	86.828	ug/l	54
78) n-propylbenzene	11.69	91	126	23.211	ug/l #	50
79) 2-Chlorotoluene	11.81	91	261	85.312	ug/l	81
80) 1,3,5-Trimethylbenzene	11.93	105	102	27.732	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.96	75	206	752.404	ug/l #	63
82) 4-Chlorotoluene	12.04	91	383	126.951	ug/l	79
83) tert-Butylbenzene	12.20	119	280	75.035	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.39	105	200	56.182	ug/l	95
85) sec-Butylbenzene	12.39	105	200	39.937	ug/l #	54
86) p-Isopropyltoluene	12.54	119	244	57.815	ug/l #	1
87) 1,3-Dichlorobenzene	12.56	146	219	106.165	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	124	64.056	ug/l #	1
89) n-Butylbenzene	12.89	91	109	26.195	ug/l #	25
90) Hexachloroethane	12.90	117	154	152.112	ug/l	80
91) 1,2-Dichlorobenzene	13.06	146	266	144.660	ug/l	81
92) 1,2-Dibromo-3-Chloropropan	13.71	75	331	2959.855	ug/l #	1

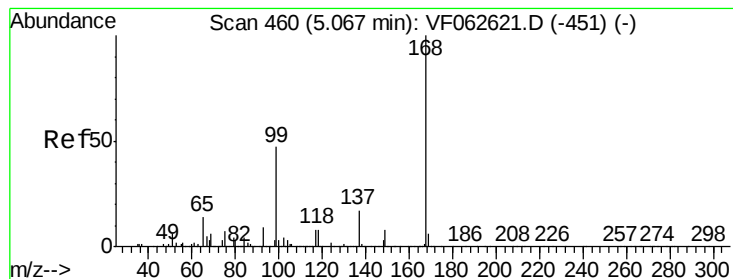
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	72	54.703	ug/l #	11
94) Hexachlorobutadiene	14.28	225	180	195.964	ug/l #	16
95) Naphthalene	14.49	128	61	25.511	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.72	180	137	109.888	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.18 min Scan# 471

Delta R.T. 0.11 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

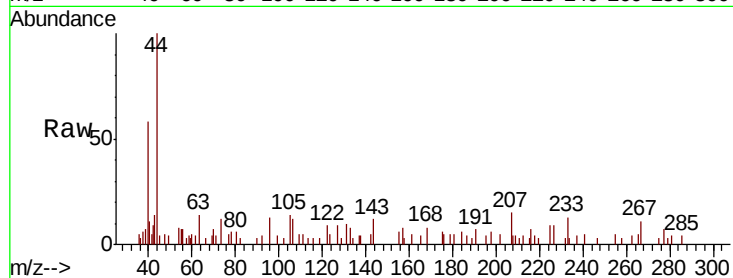
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion:168 Resp: 291

Ion Ratio Lower Upper

168 100

99 51.7 37.8 56.8

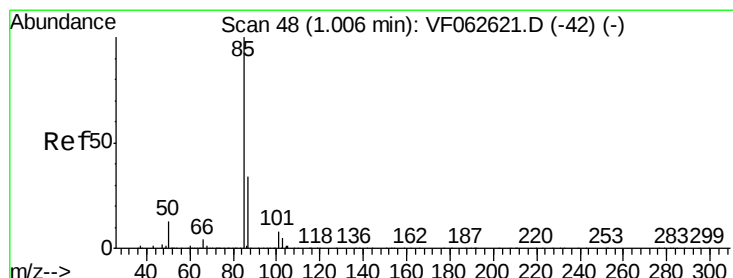
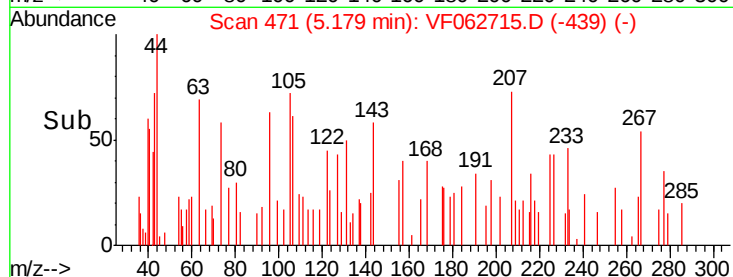


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.18

Time-->



#2

Dichlorodifluoromethane

Concen: 32.070 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.08 min

Lab File: VF062715.D

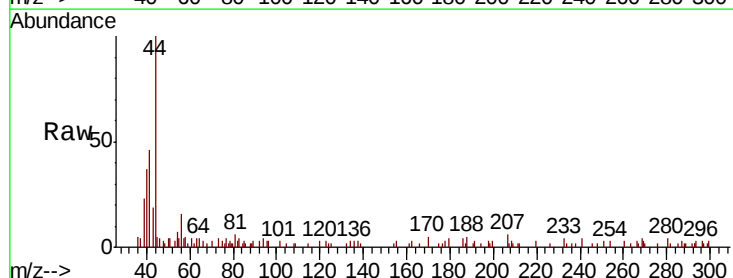
Acq: 22 May 2019 19:37

Tgt Ion: 85 Resp: 127

Ion Ratio Lower Upper

85 100

87 38.8 16.8 50.3

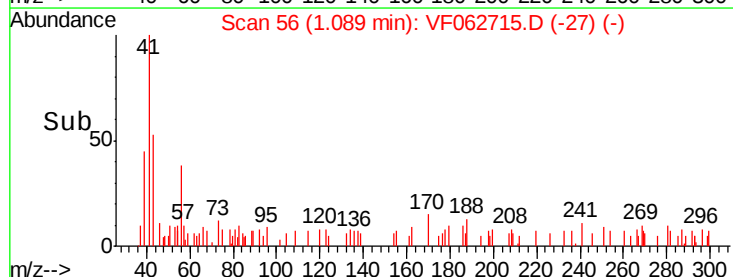


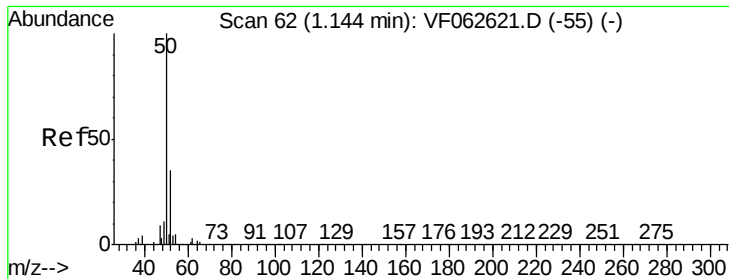
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.09

Time-->





#3

Chloromethane

Concen: 234.754 ug/l

RT: 1.31 min Scan# 78

Delta R.T. 0.16 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

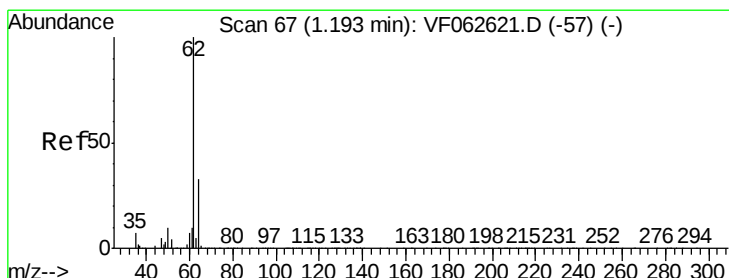
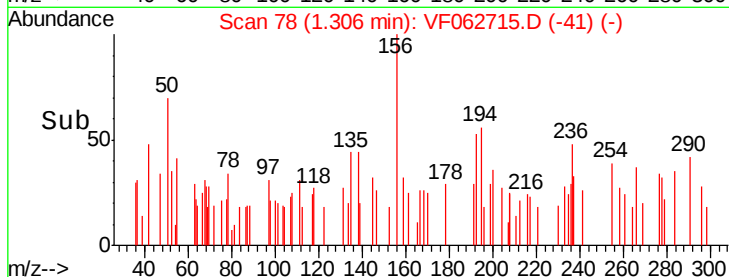
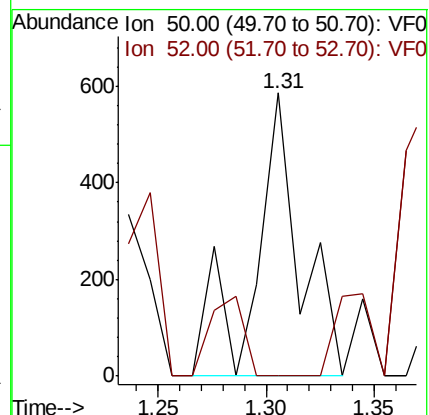
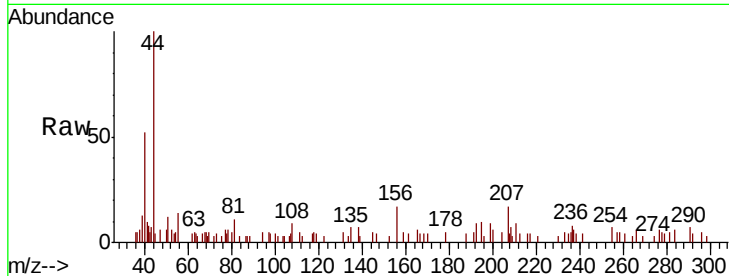
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 50 Resp: 856

Ion Ratio Lower Upper

50 100

52 34.0 27.5 41.3



#4

Vinyl Chloride

Concen: 93.551 ug/l

RT: 1.18 min Scan# 65

Delta R.T. -0.02 min

Lab File: VF062715.D

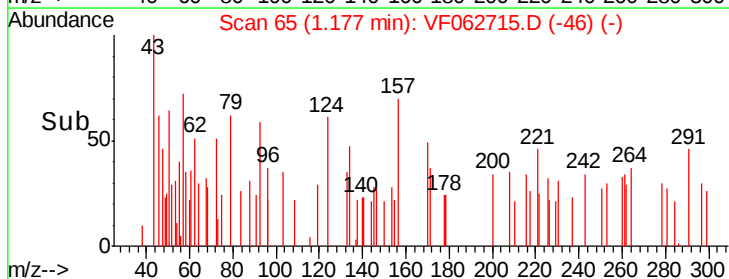
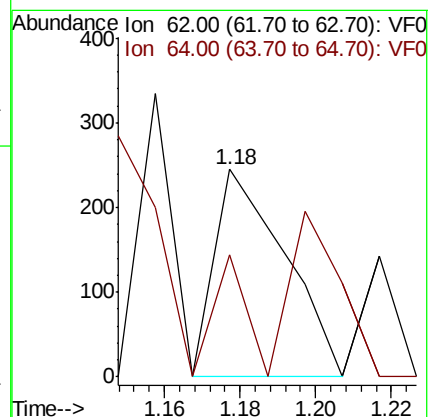
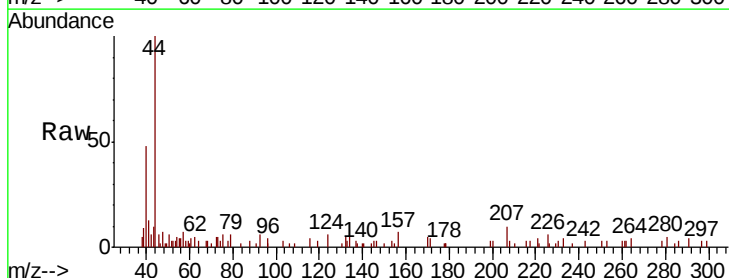
Acq: 22 May 2019 19:37

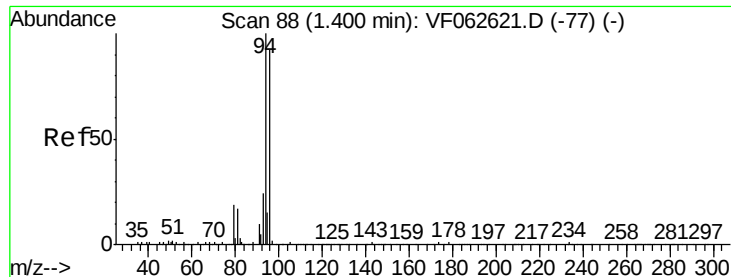
Tgt Ion: 62 Resp: 314

Ion Ratio Lower Upper

62 100

64 58.8 26.7 40.1#





#5

Bromomethane

Concen: 288.641 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

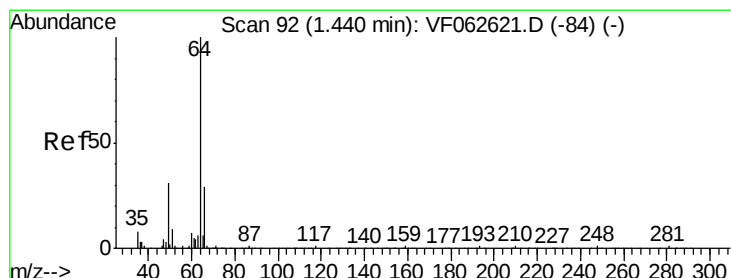
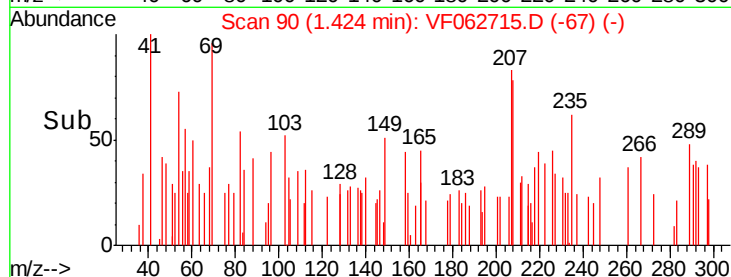
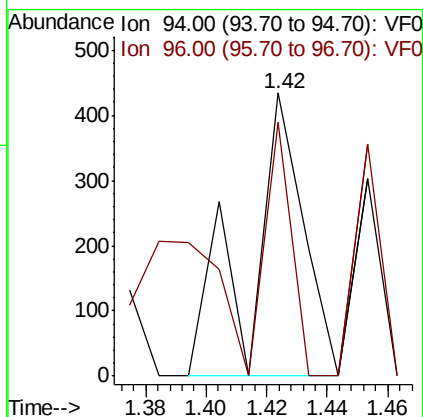
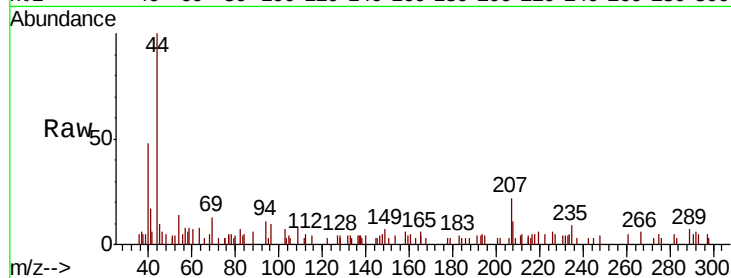
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 94 Resp: 530

Ion Ratio Lower Upper

94 100

96 89.9 73.2 109.8



#6

Chloroethane

Concen: 382.085 ug/l

RT: 1.50 min Scan# 98

Delta R.T. 0.06 min

Lab File: VF062715.D

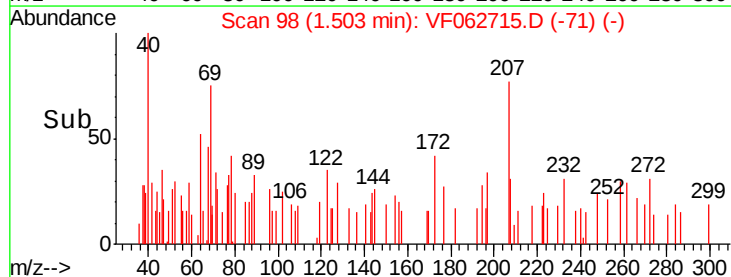
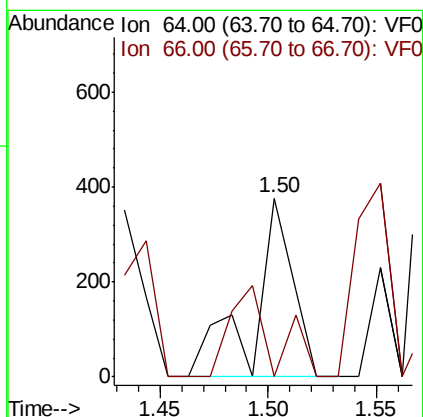
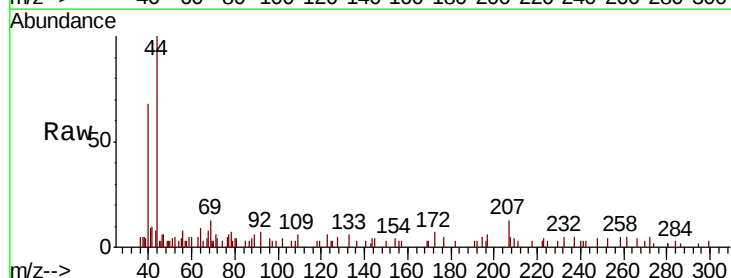
Acq: 22 May 2019 19:37

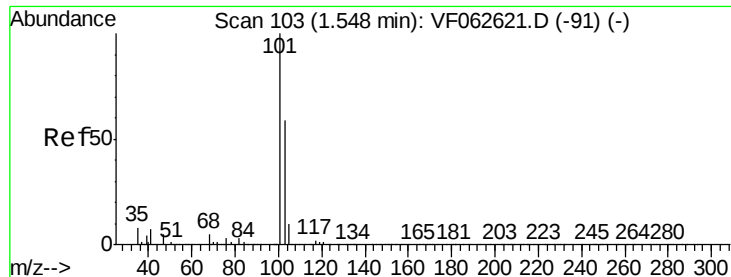
Tgt Ion: 64 Resp: 471

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



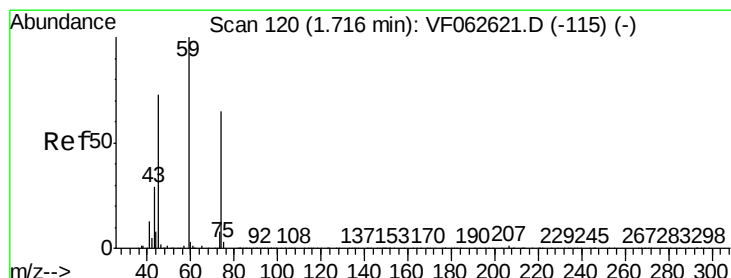
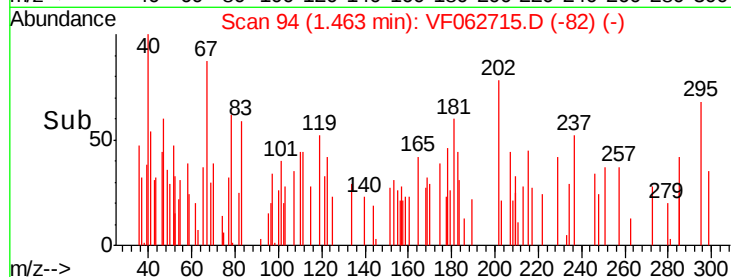
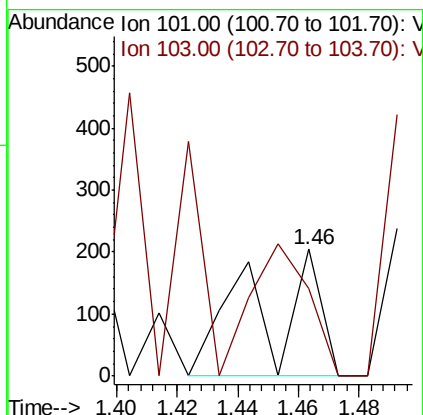
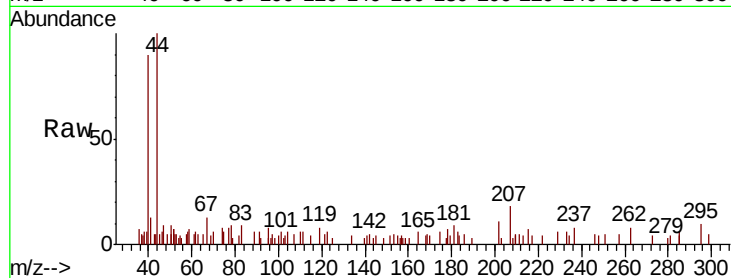


#7

Trichlorofluoromethane
 Concen: 65.014 ug/l
 RT: 1.46 min Scan# 94
 Delta R.T. -0.08 min
 Lab File: VF062715.D
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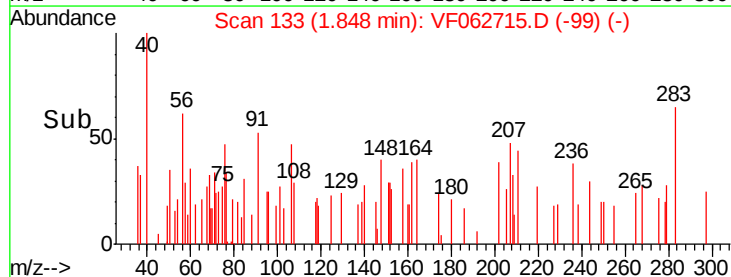
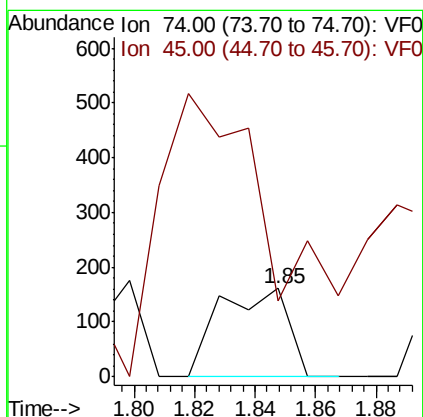
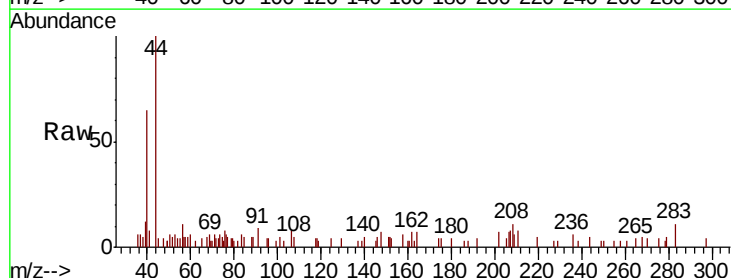
Tot Ion:101 Resp: 293
 Ion Ratio Lower Upper
 101 100
 103 69.3 47.3 70.9

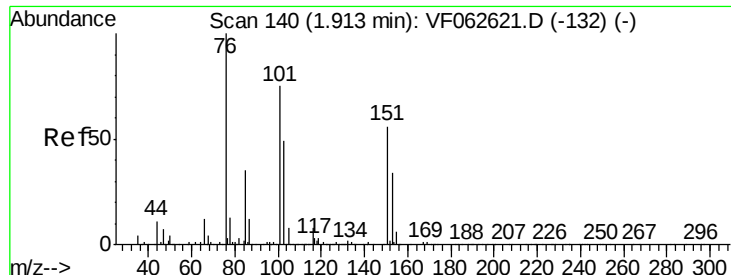


#8

Diethyl Ether
 Concen: 286.733 ug/l
 RT: 1.85 min Scan# 133
 Delta R.T. 0.13 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Tgt Ion: 74 Resp: 256
 Ion Ratio Lower Upper
 74 100
 45 85.7 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 77.360 ug/l

RT: 1.95 min Scan# 143

Delta R.T. 0.03 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

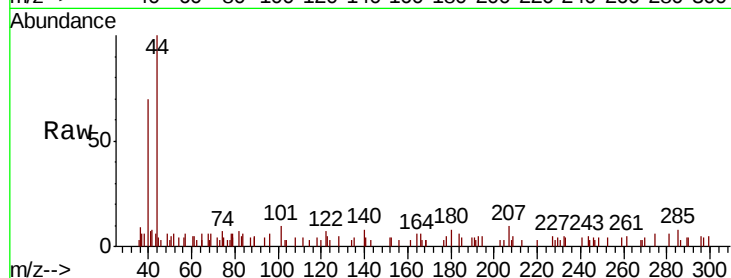
Tot Ion:101 Resp: 222

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

151 38.8 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

1.95

400

300

200

100

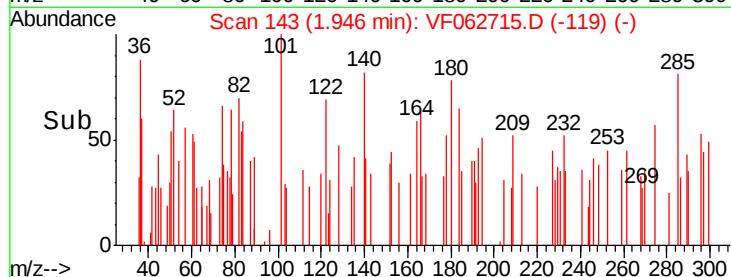
0

1.92

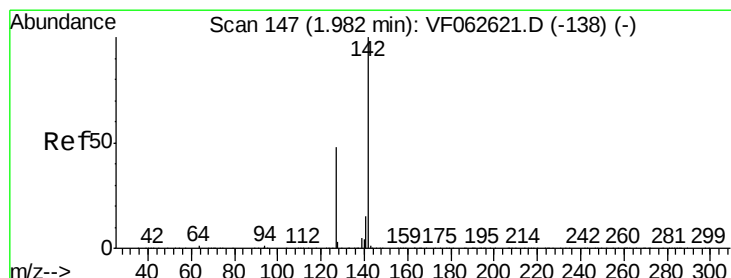
1.94

1.96

1.98



Time-->



#10

Methyl Iodide

Concen: 47.009 ug/l

RT: 2.03 min Scan# 151

Delta R.T. 0.04 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

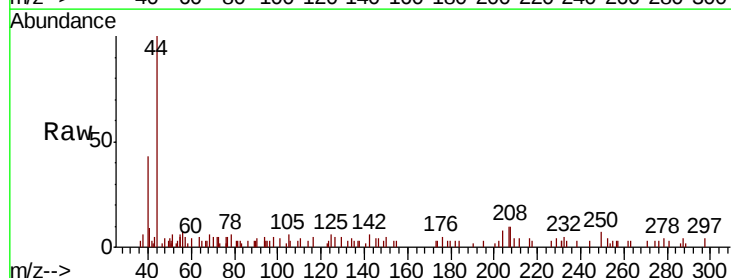
Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

141 43.3 11.7 17.5#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

2.03

300

200

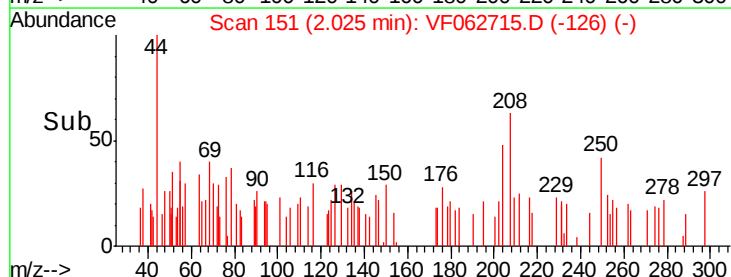
100

0

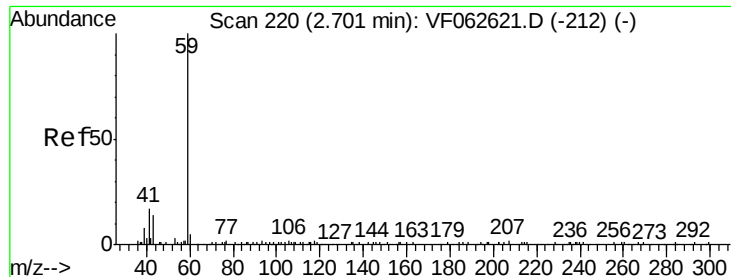
2.00

2.02

2.04



Time-->

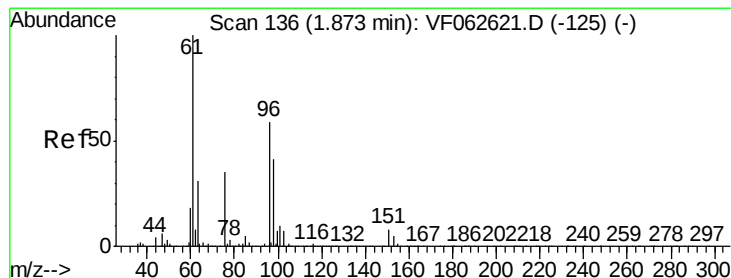
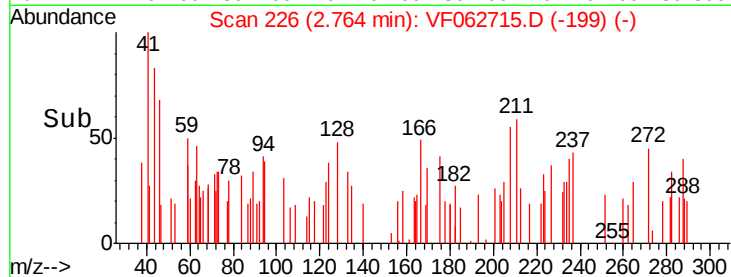
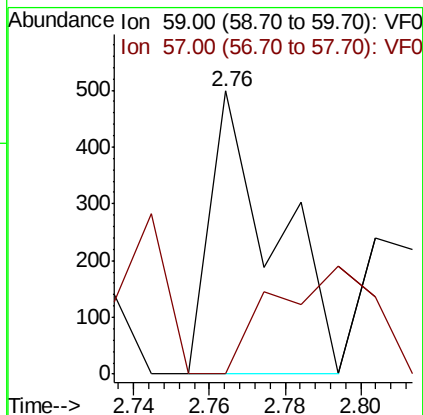
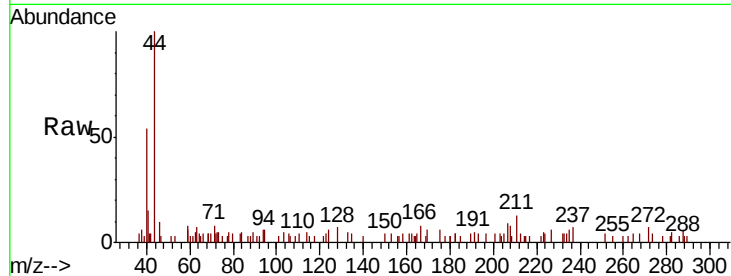


#11

Tert butyl alcohol
 Concen: 4301.649 ug/l
 RT: 2.76 min Scan# 226
 Delta R.T. 0.06 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

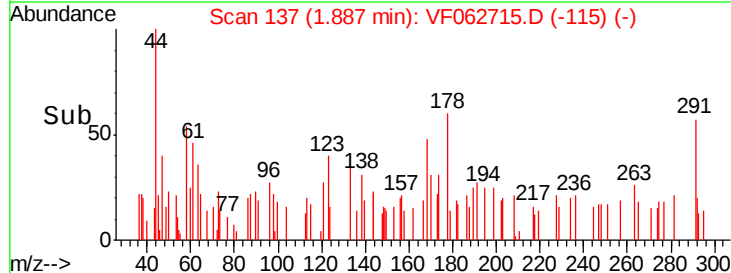
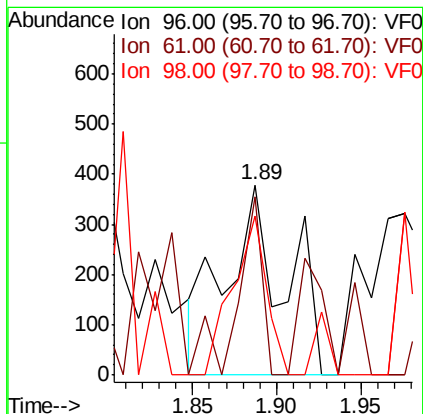
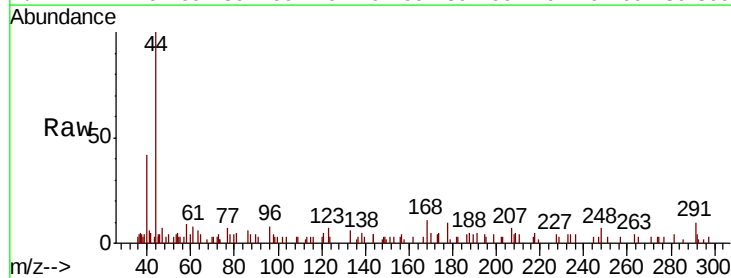
Tot Ion: 59 Resp: 584
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

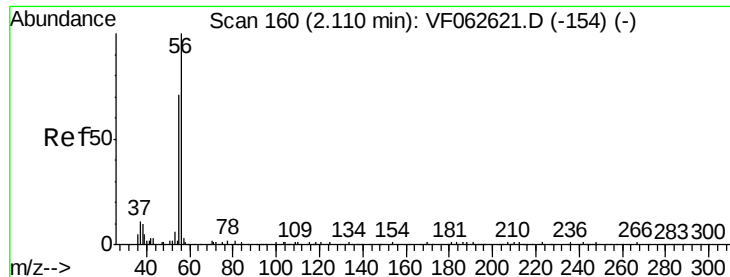


#12

1,1-Dichloroethene
 Concen: 353.464 ug/l
 RT: 1.89 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Tgt Ion: 96 Resp: 924
 Ion Ratio Lower Upper
 96 100
 61 93.7 134.3 201.5#
 98 83.9 55.0 82.6#





#13

Acrolein

Concen: 1785.259 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.04 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

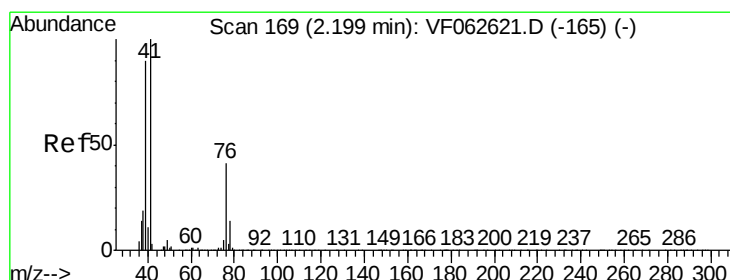
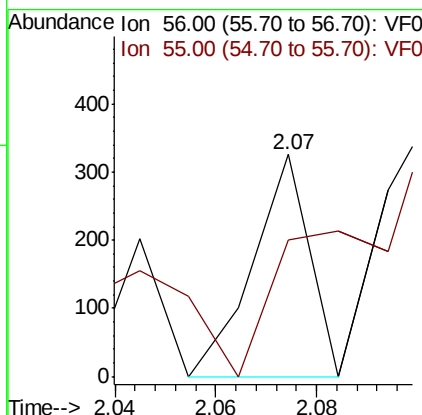
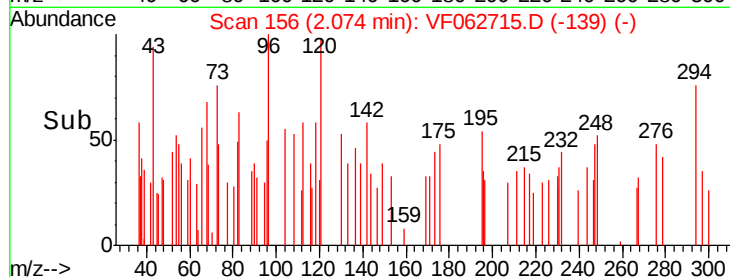
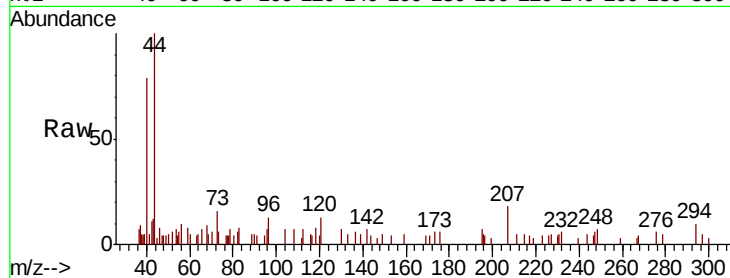
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 61.3 59.4 89.0



#14

Allyl chloride

Concen: 311.927 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.06 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

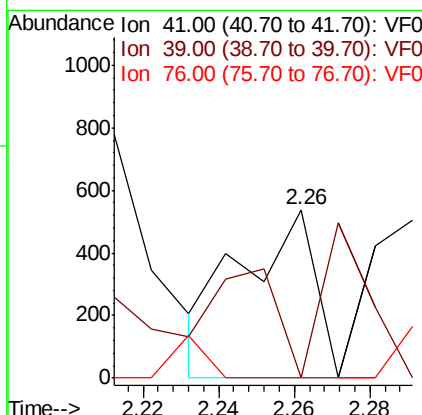
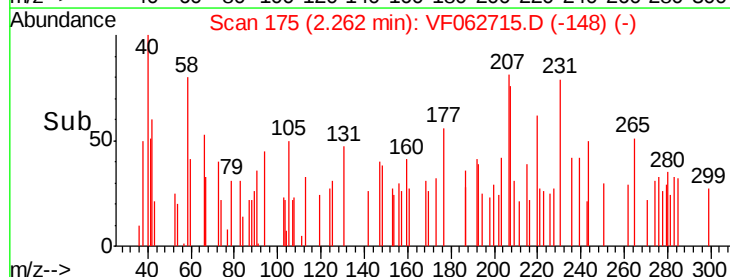
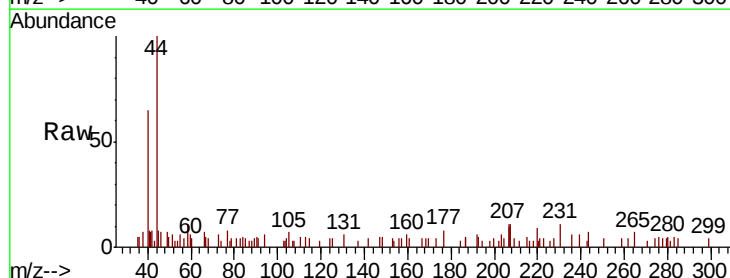
Tgt Ion: 41 Resp: 738

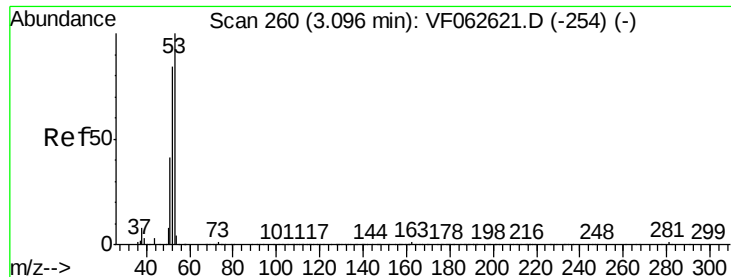
Ion Ratio Lower Upper

41 100

39 0.0 72.0 108.0#

76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 532.692 ug/l

RT: 3.19 min Scan# 269

Delta R.T. 0.09 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

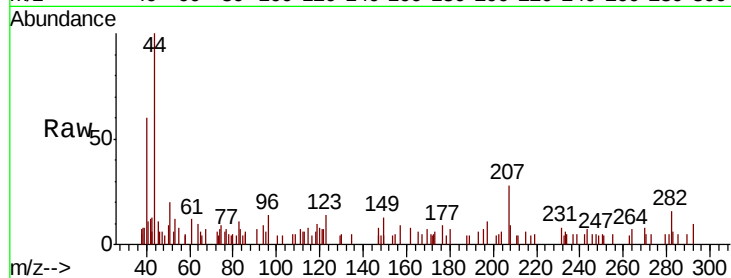
Tot Ion: 53 Resp: 204

Ion Ratio Lower Upper

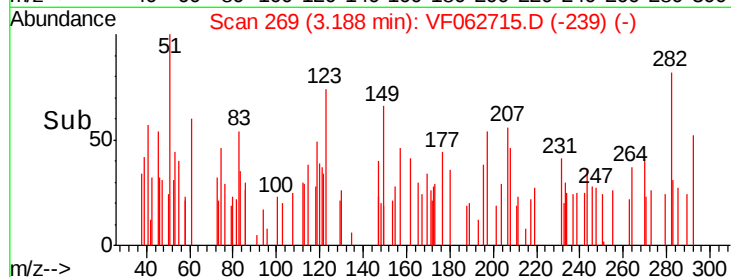
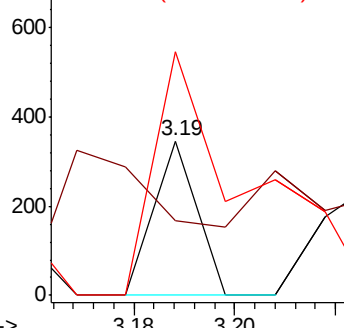
53 100

52 48.7 67.3 100.9#

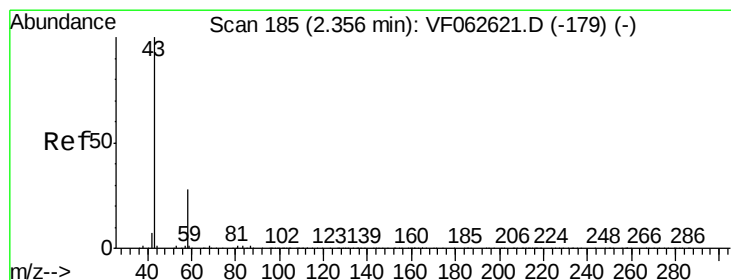
51 158.0 33.0 49.6#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 451.748 ug/l

RT: 2.40 min Scan# 189

Delta R.T. 0.04 min

Lab File: VF062715.D

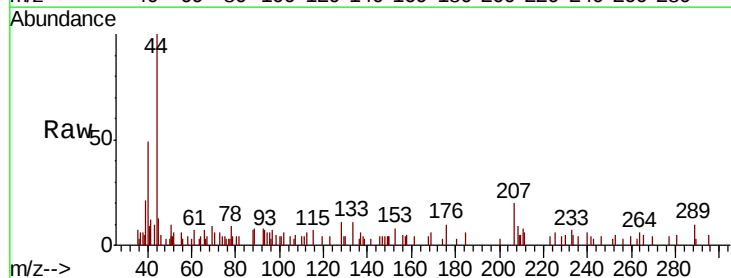
Acq: 22 May 2019 19:37

Tgt Ion: 43 Resp: 241

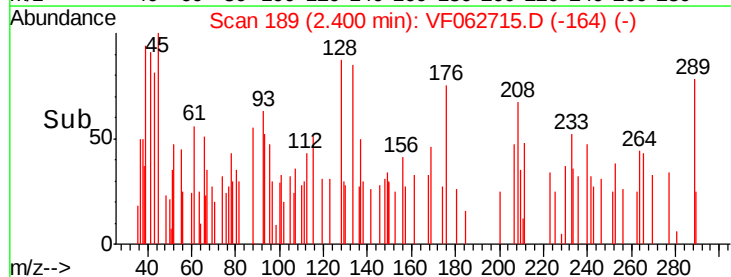
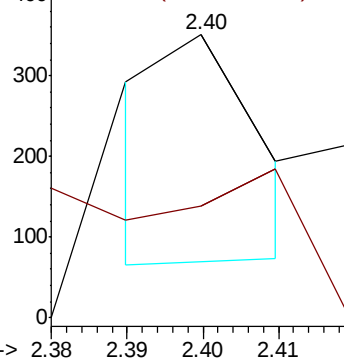
Ion Ratio Lower Upper

43 100

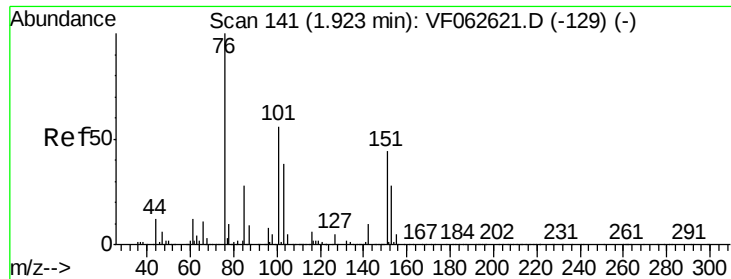
58 39.6 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



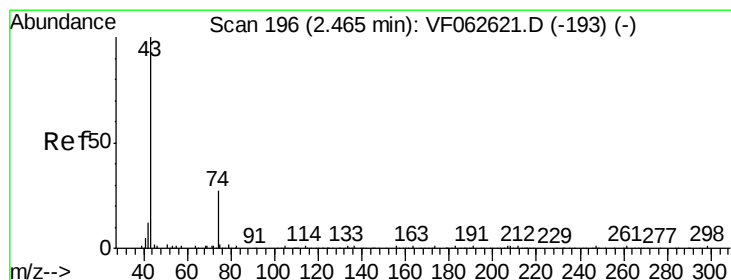
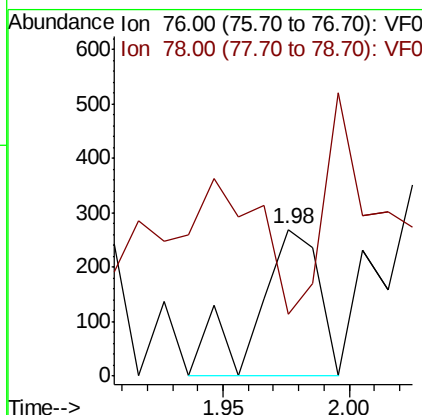
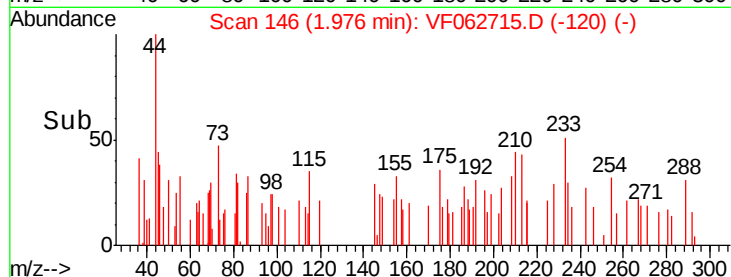
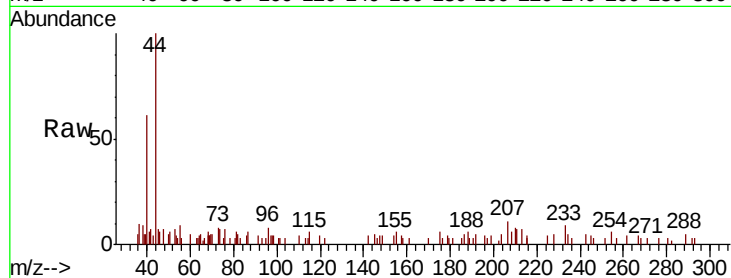
Time-->



#17
Carbon Disulfide
Concen: 59.240 ug/l
RT: 1.98 min Scan# 146
Delta R.T. 0.05 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

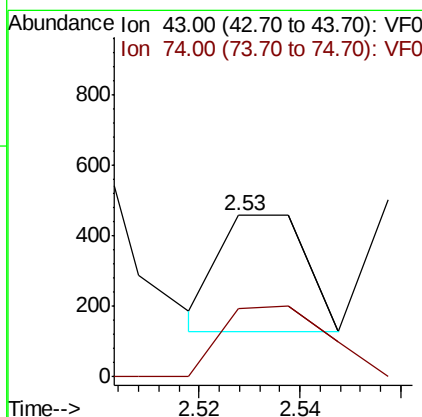
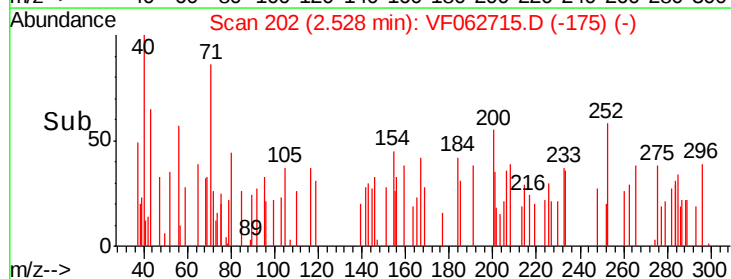
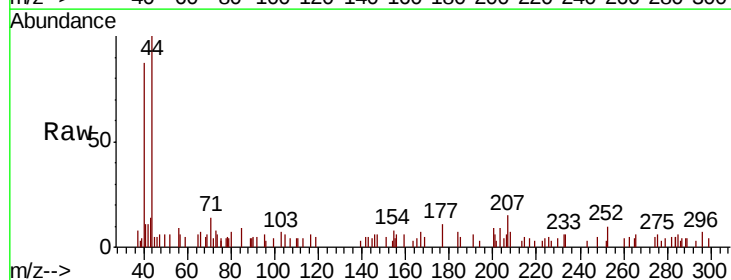
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

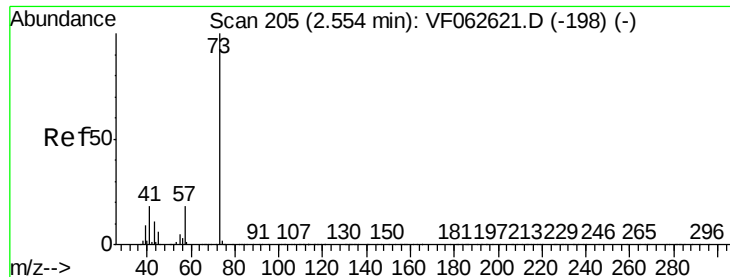
Tot Ion: 76 Resp: 459
Ion Ratio Lower Upper
76 100
78 42.4 8.4 12.6#



#18
Methyl Acetate
Concen: 465.208 ug/l
RT: 2.53 min Scan# 202
Delta R.T. 0.06 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
74 42.3 18.9 28.3#





#19

Methyl tert-butyl Ether

Concen: 231.321 ug/l

RT: 2.56 min Scan# 205

Delta R.T. 0.00 min

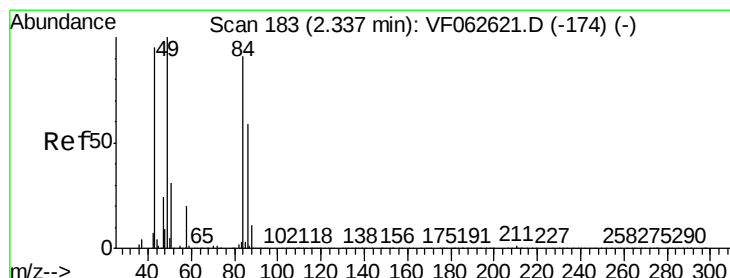
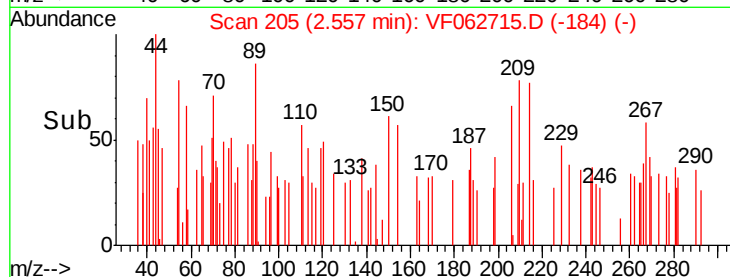
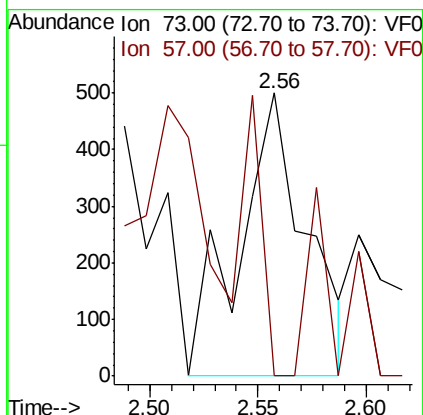
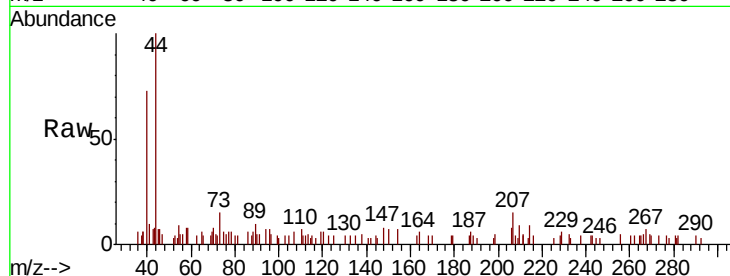
Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 73 Resp: 1081

Ion	Ratio	Lower	Upper
73	100		
57	0.0	14.2	21.4#



#20

Methylene Chloride

Concen: 169.032 ug/l

RT: 2.35 min Scan# 184

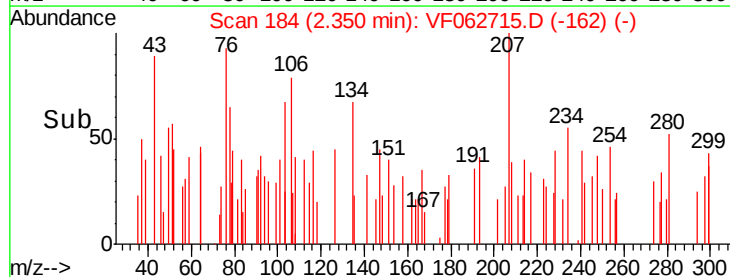
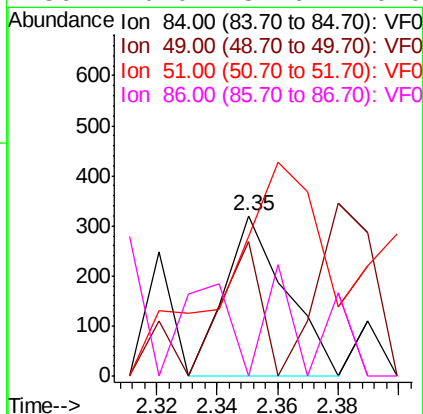
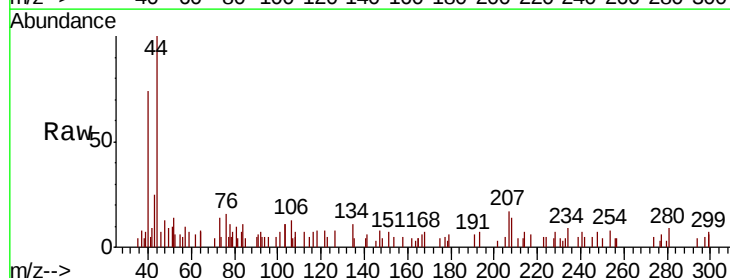
Delta R.T. 0.01 min

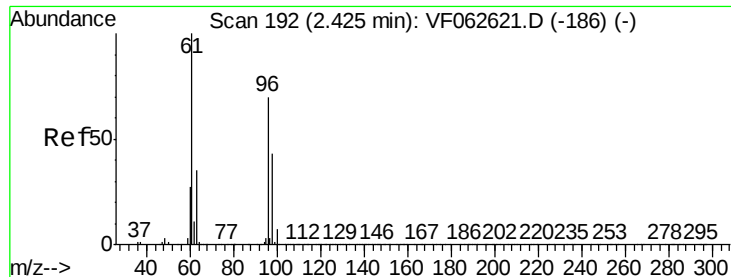
Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion: 84 Resp: 452

Ion	Ratio	Lower	Upper
84	100		
49	84.1	89.8	134.8#
51	211.3	28.4	42.6#
86	0.0	52.6	79.0#





#21

trans-1,2-Dichloroethene

Concen: 467.691 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.03 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

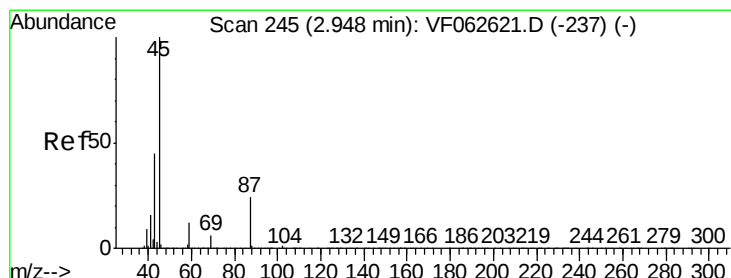
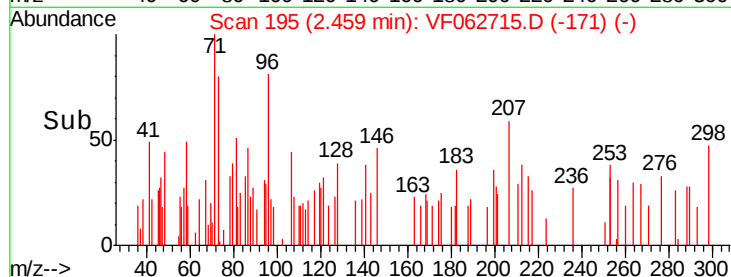
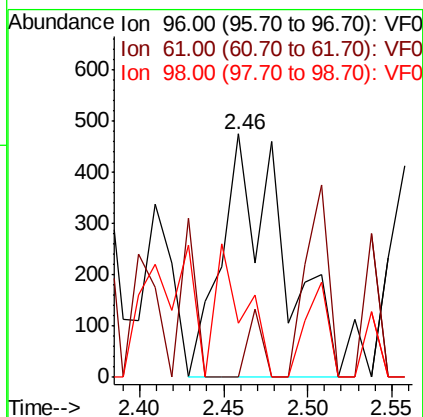
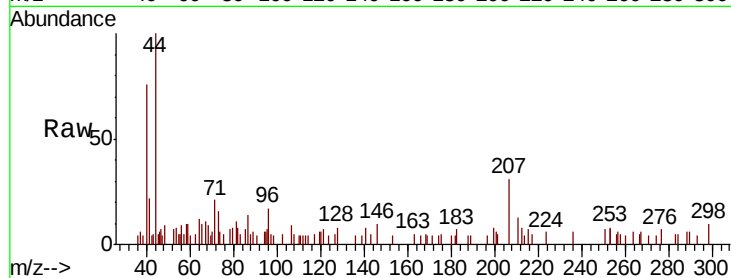
Tot Ion: 96 Resp: 1195

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 22.3 49.5 74.3#



#22

Diisopropyl ether

Concen: 132.127 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.05 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion: 45 Resp: 771

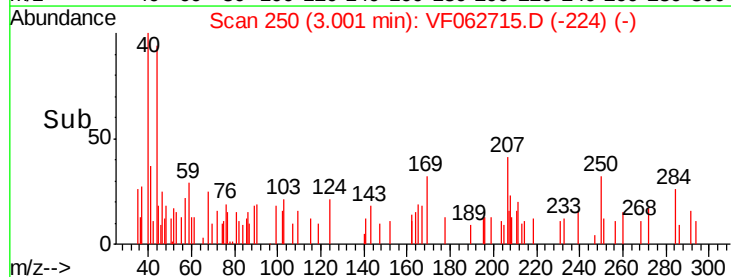
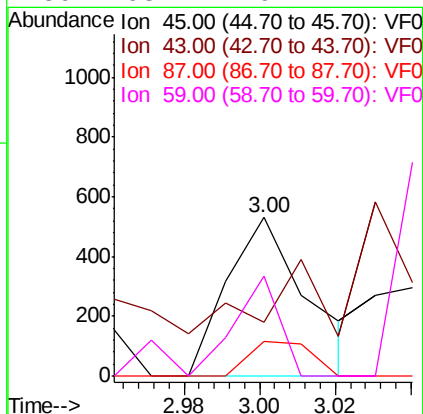
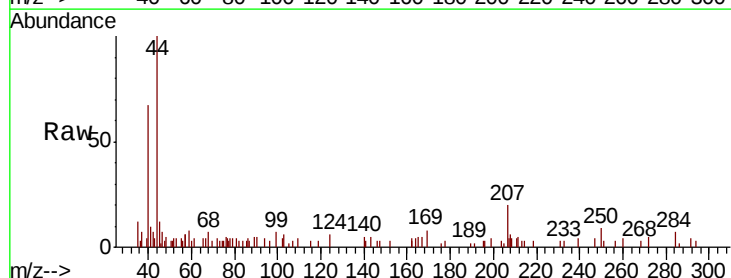
Ion Ratio Lower Upper

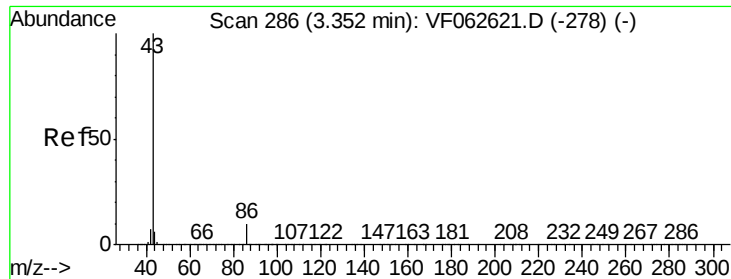
45 100

43 34.2 36.4 54.6#

87 21.7 19.3 28.9

59 63.4 9.4 14.2#





#23

Vinyl Acetate

Concen: 529.934 ug/l

RT: 3.42 min Scan# 293

Delta R.T. 0.07 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

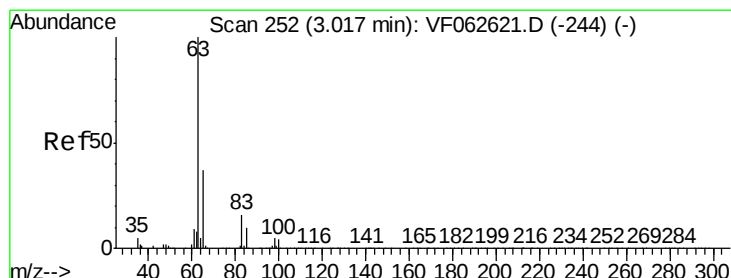
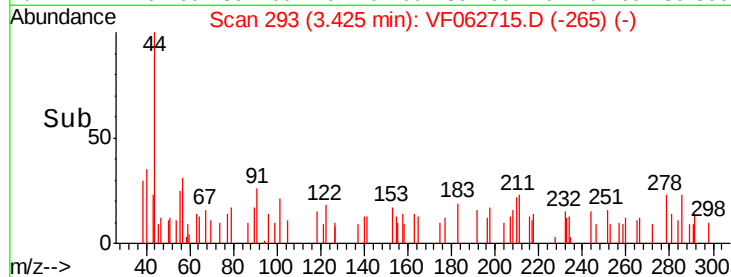
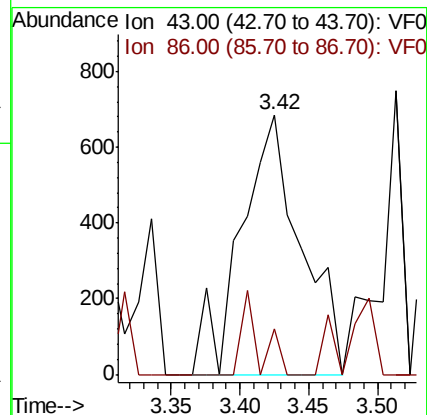
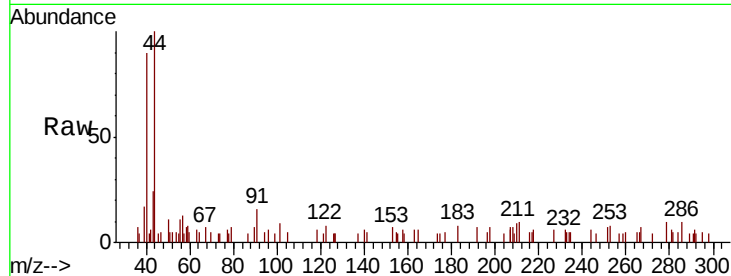
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 43 Resp: 2086

Ion Ratio Lower Upper

43 100

86 17.3 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 97.879 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.07 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

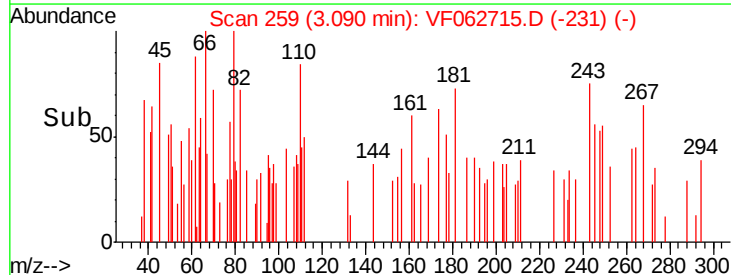
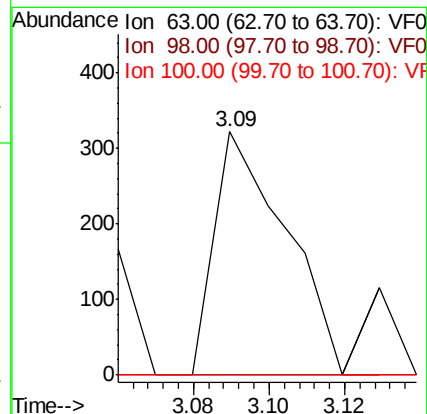
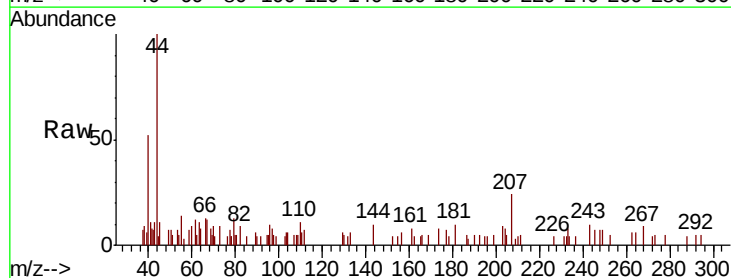
Tgt Ion: 63 Resp: 419

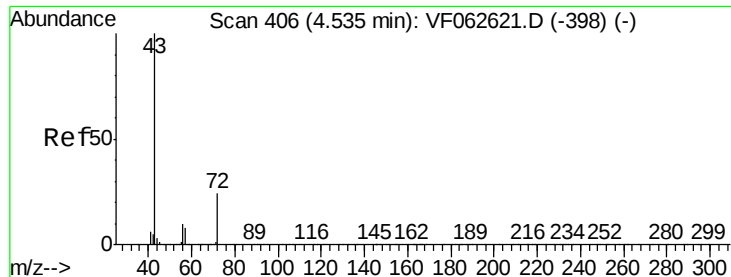
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 436.925 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

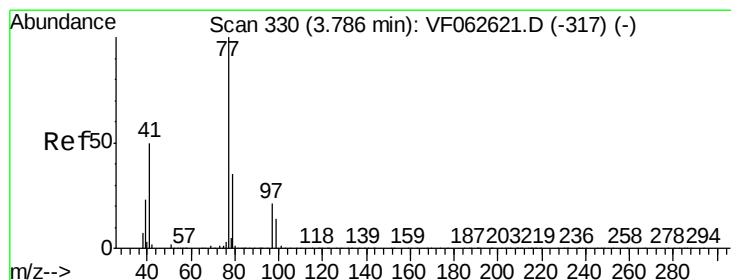
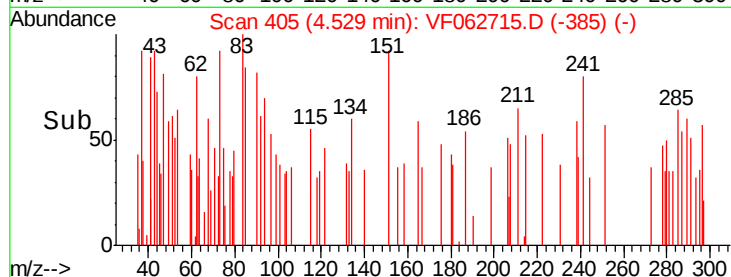
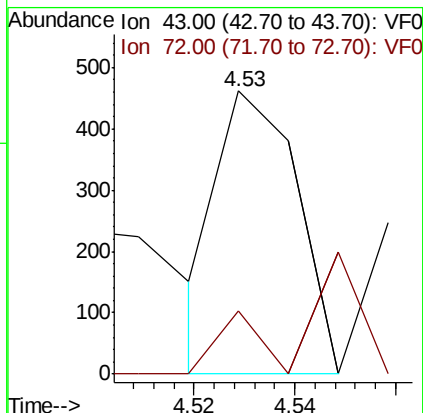
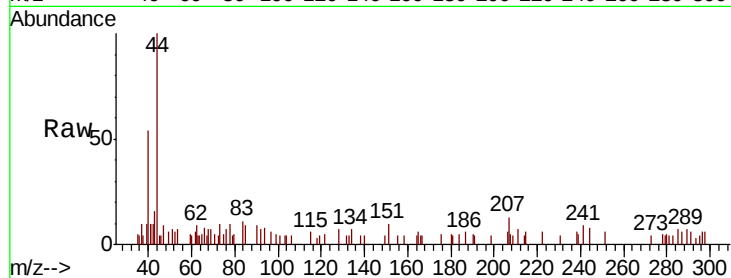
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

72 22.3 20.1 30.1



#26

2,2-Dichloropropane

Concen: 68.183 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.08 min

Lab File: VF062715.D

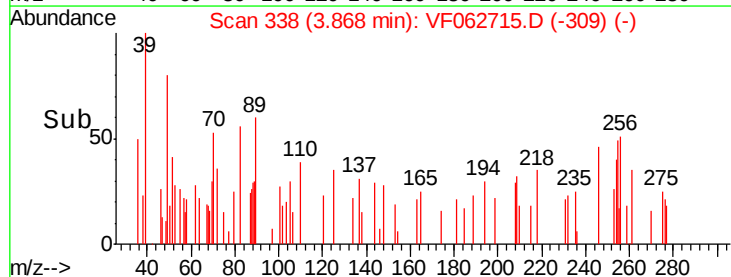
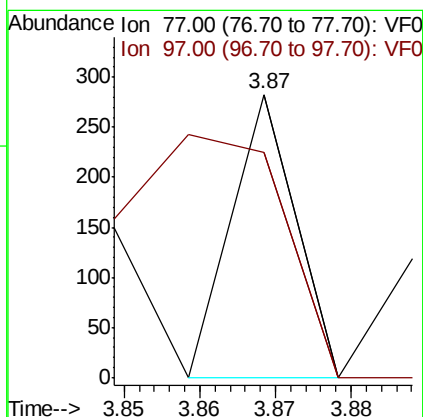
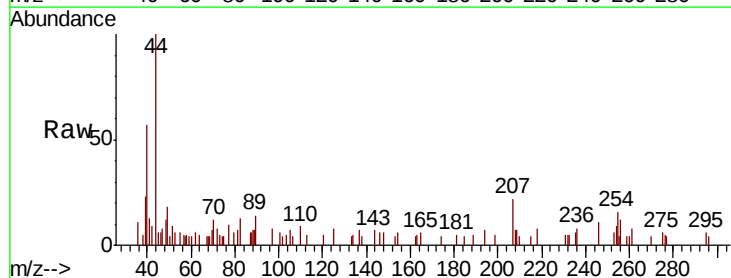
Acq: 22 May 2019 19:37

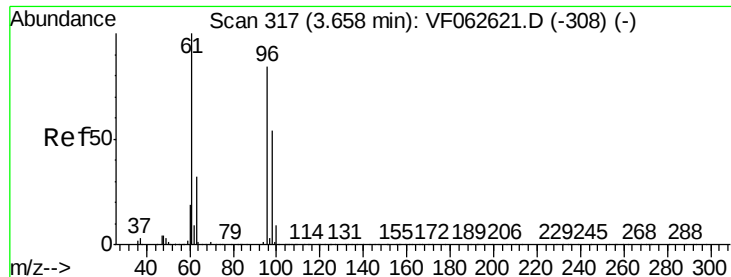
Tgt Ion: 77 Resp: 167

Ion Ratio Lower Upper

77 100

97 79.5 14.1 42.4#



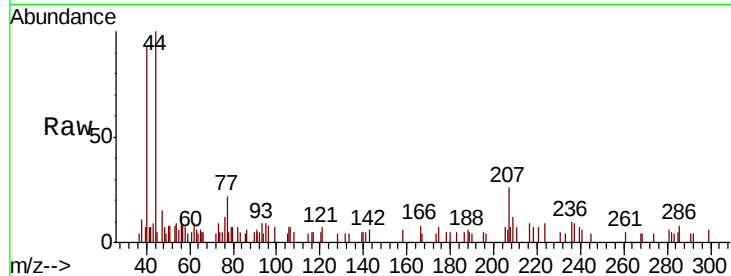


#27

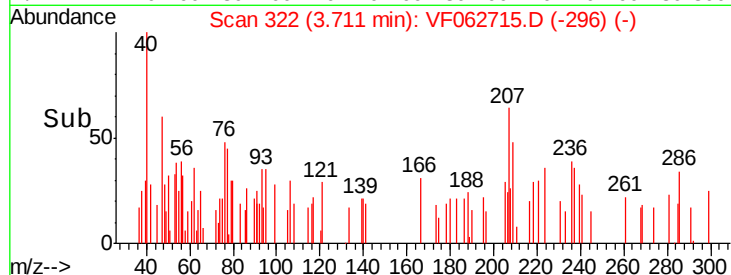
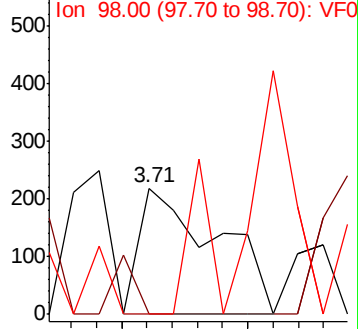
cis-1,2-Dichloroethene
 Concen: 111.827 ug/l
 RT: 3.71 min Scan# 322
 Delta R.T. 0.05 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

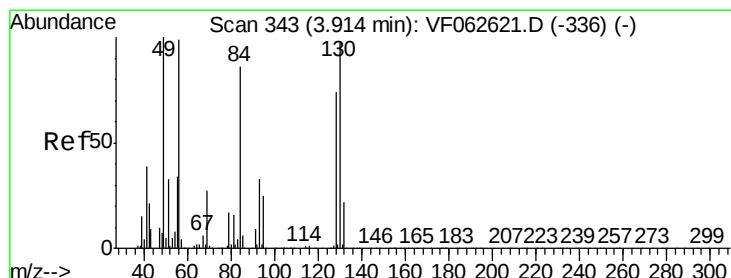
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	237.4
98	0.0	0.0	129.0



Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



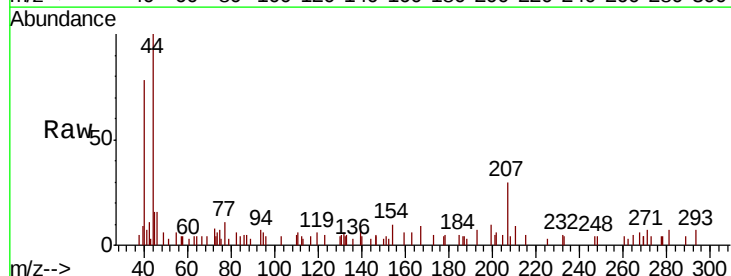
Time-->



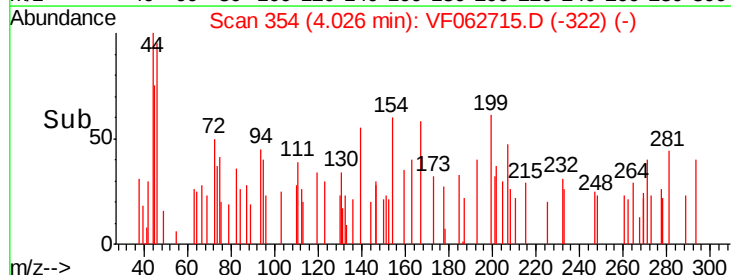
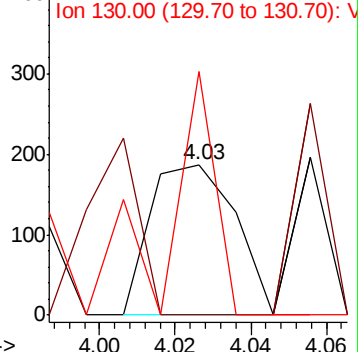
#28

Bromochloromethane
 Concen: 120.790 ug/l
 RT: 4.03 min Scan# 354
 Delta R.T. 0.11 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

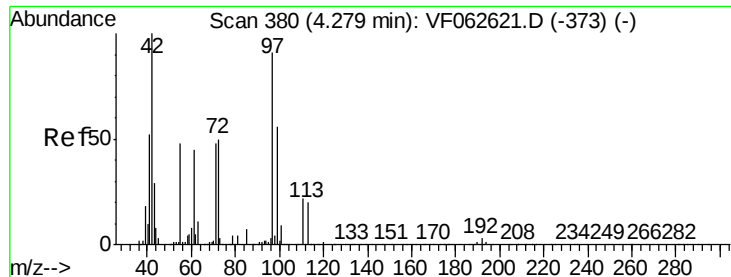
Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	162.0	77.8	116.8#



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V



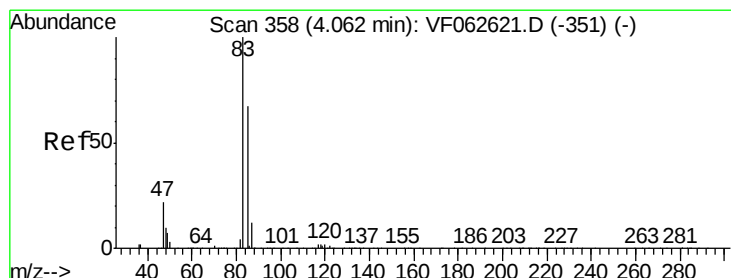
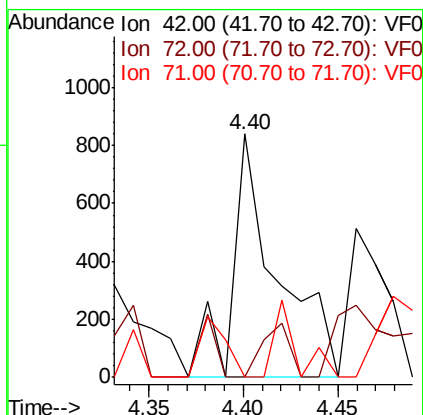
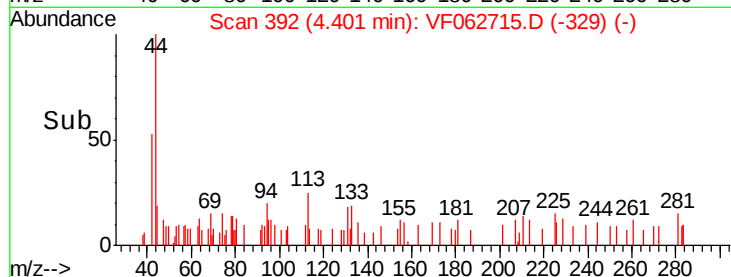
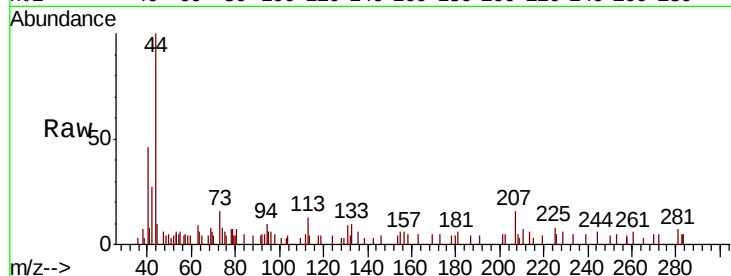
Time-->



#29
Tetrahydrofuran
Concen: 3018.009 ug/l
RT: 4.40 min Scan# 392
Delta R.T. 0.12 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

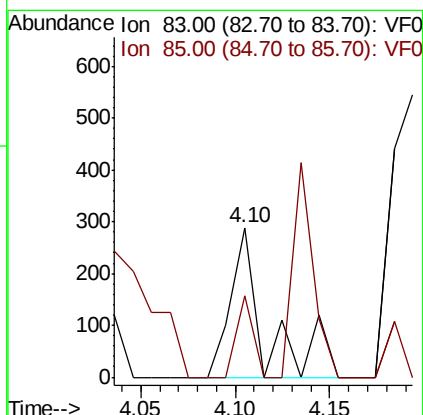
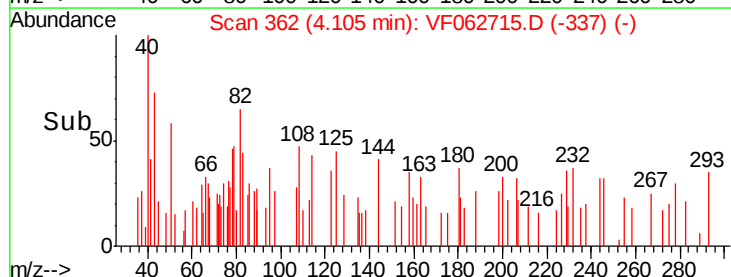
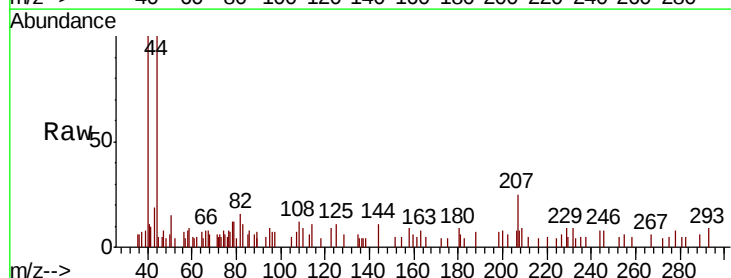
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

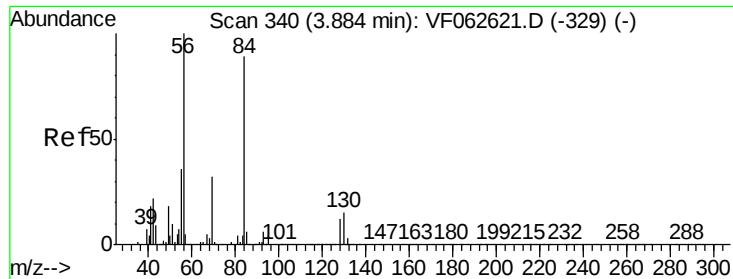
Tot Ion	Ratio	Lower	Upper
42	100		
72	13.5	38.2	57.2#
71	15.7	35.8	53.6#



#30
Chloroform
Concen: 61.749 ug/l
RT: 4.10 min Scan# 362
Delta R.T. 0.04 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.3	53.6	80.4

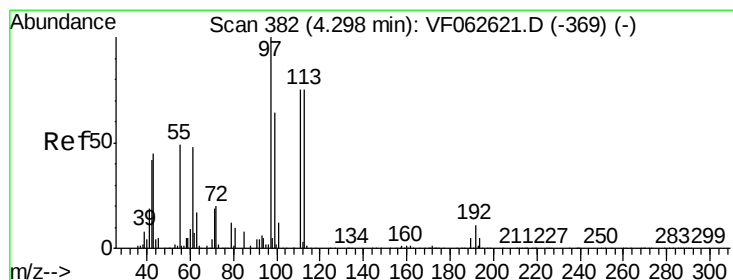
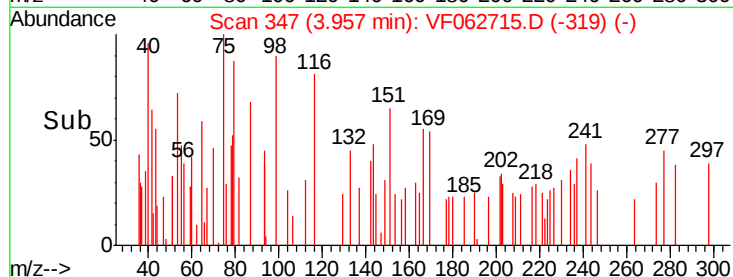
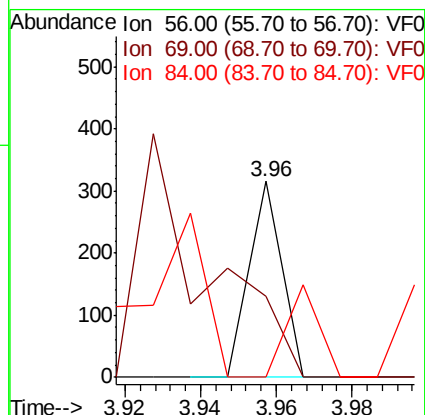
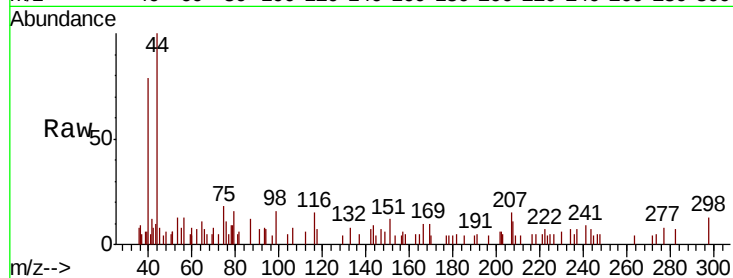




#31
Cyclohexane
Concen: 32.360 ug/l
RT: 3.96 min Scan# 347
Delta R.T. 0.07 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

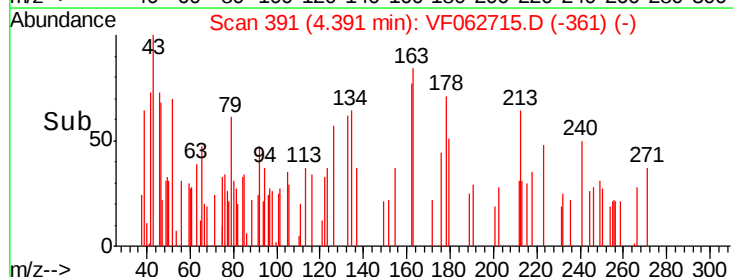
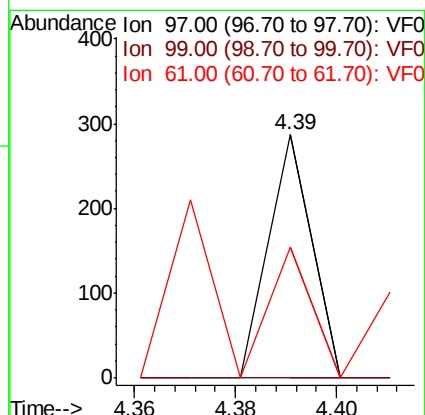
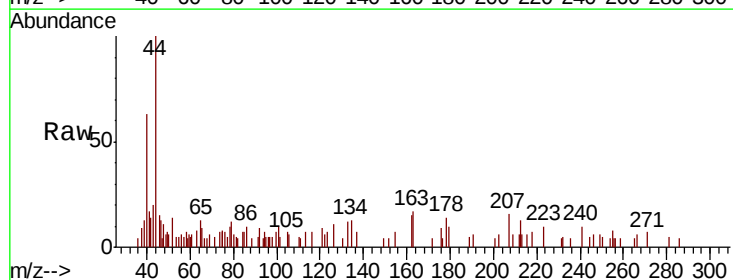
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

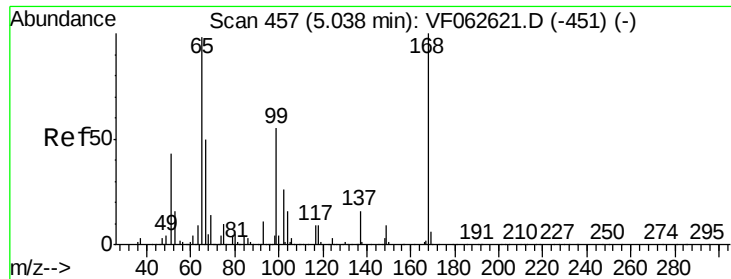
Tot Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
69 107.9 25.3 37.9#
84 0.0 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 43.069 ug/l
RT: 4.39 min Scan# 391
Delta R.T. 0.09 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 97 Resp: 170
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 53.7 38.2 57.2

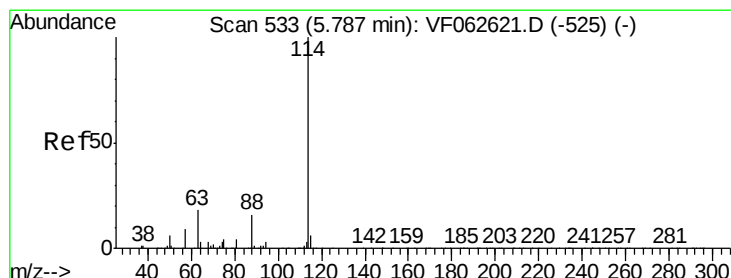
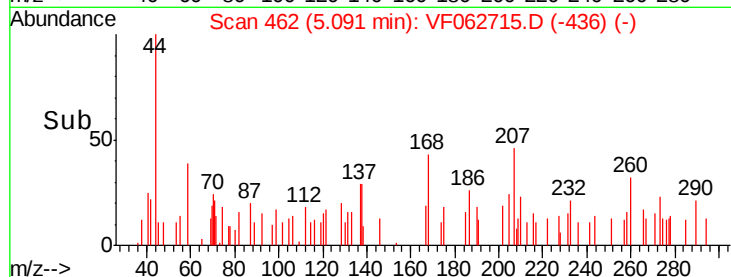
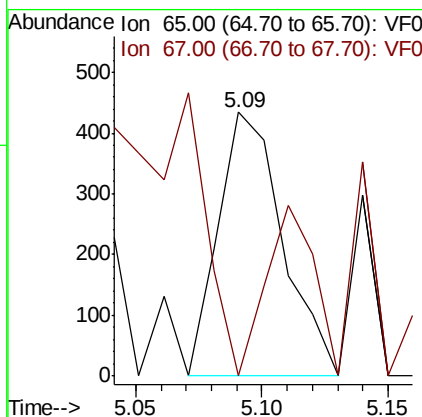
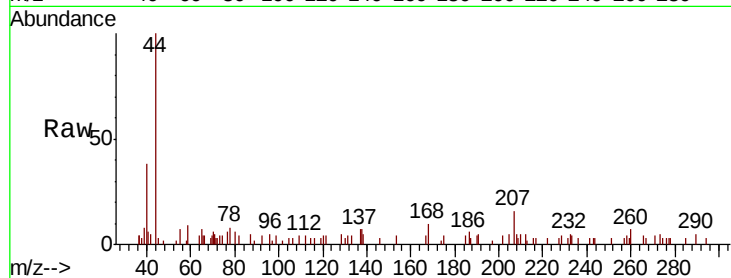




#33
 1,2-Dichloroethane-d4
 Concen: 373.964 ug/l
 RT: 5.09 min Scan# 462
 Delta R.T. 0.05 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

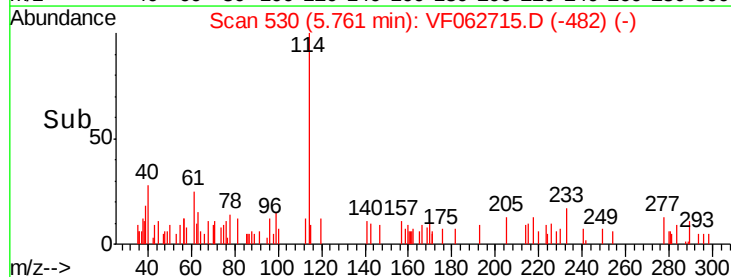
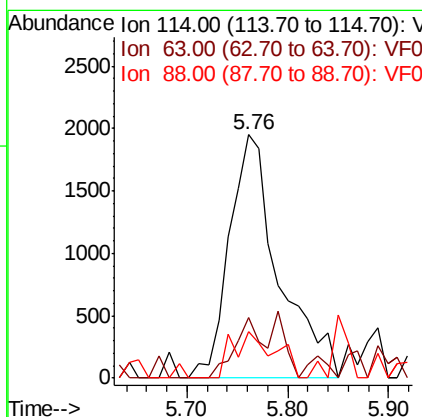
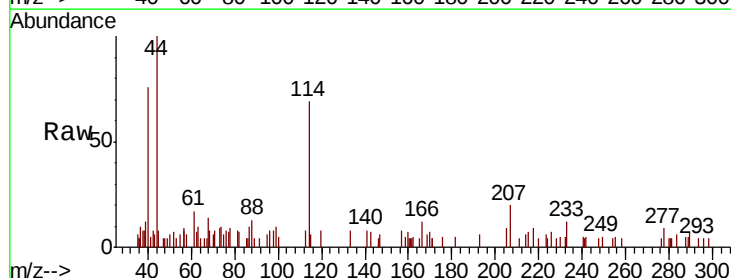
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

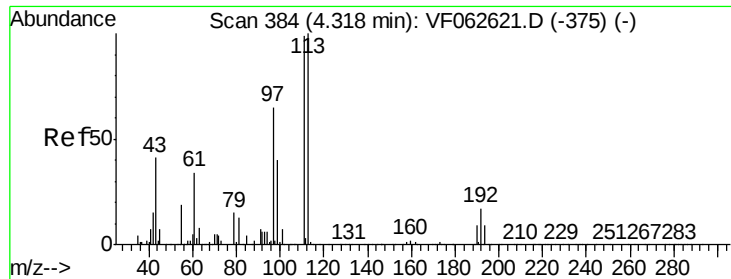
Tot Ion: 65 Resp: 769
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Tgt Ion: 114 Resp: 6664
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 35.4
 88 18.9 0.0 32.4

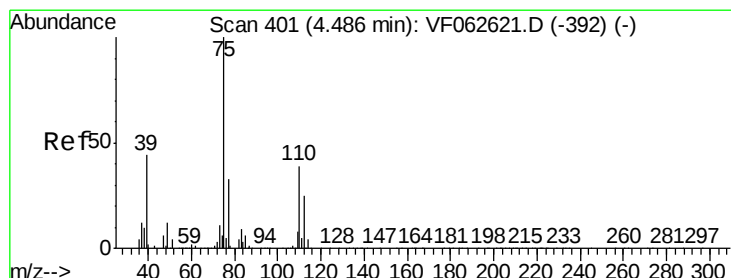
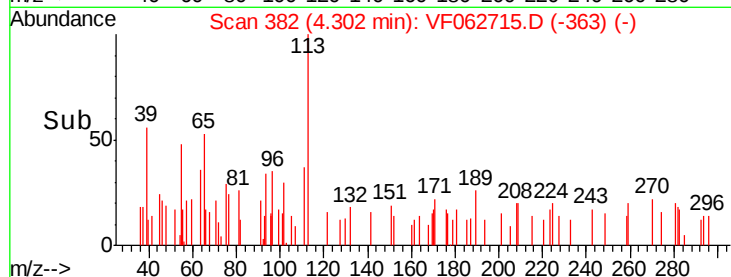
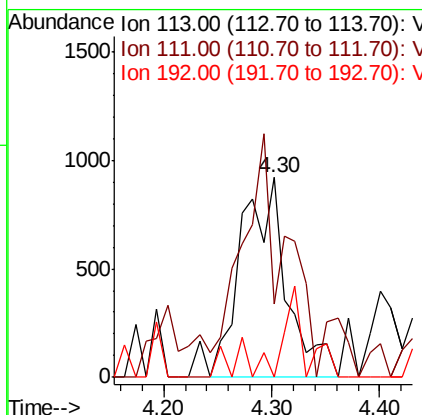
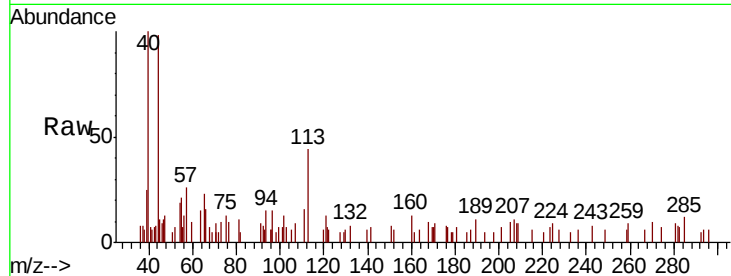




#35
 Dibromofluoromethane
 Concen: 55.419 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

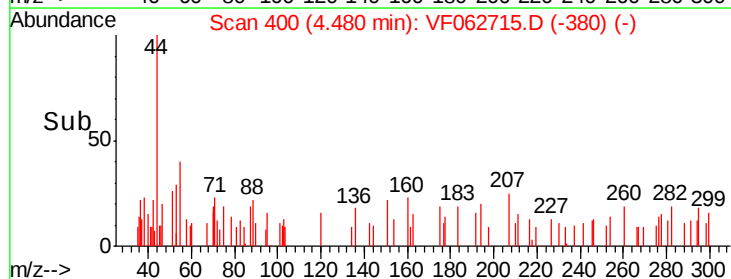
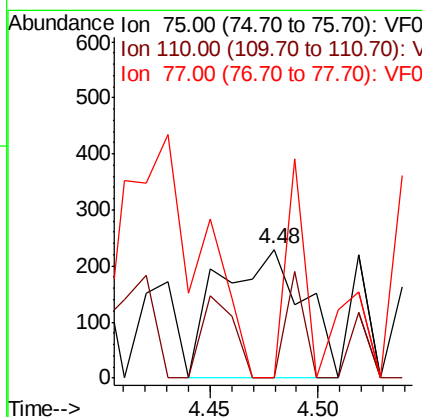
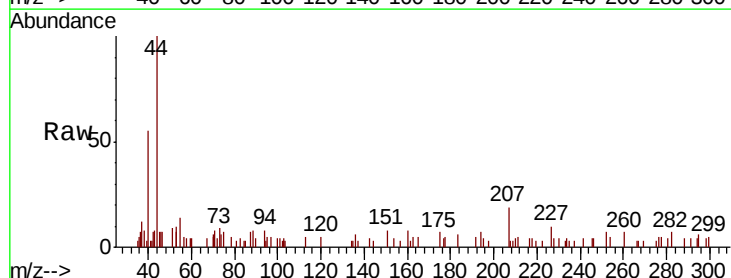
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

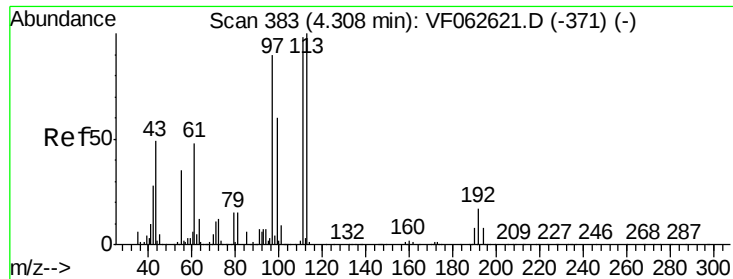
Tot Ion	Ratio	Lower	Upper
113	100		
111	36.9	79.4	119.2#
192	0.0	13.4	20.2#



#36
 1,1-Dichloropropene
 Concen: 9.123 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

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

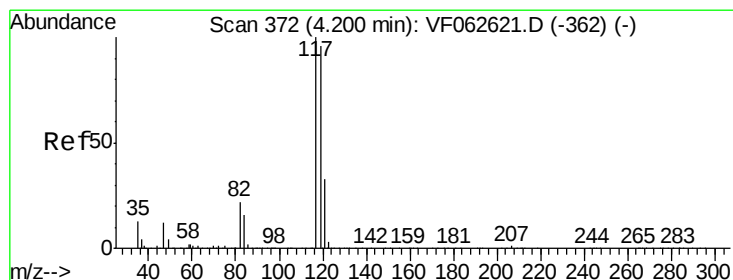
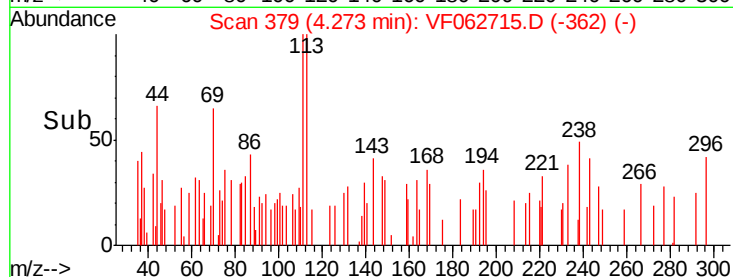
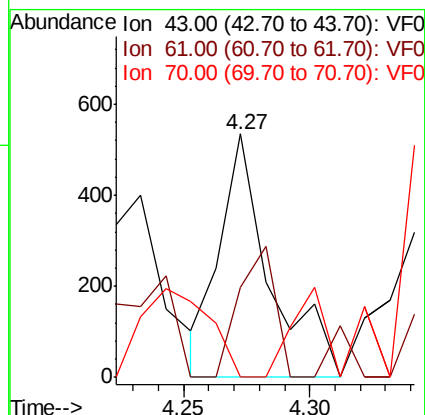
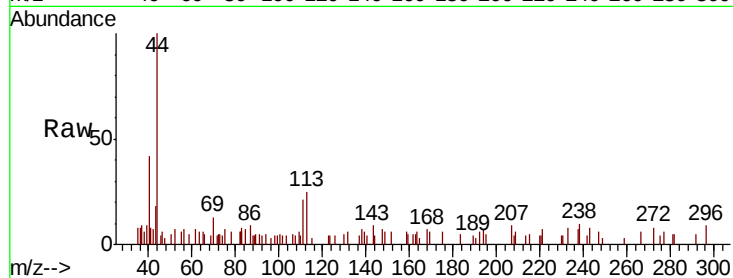




#37
Ethyl Acetate
Concen: 26.505 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.04 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

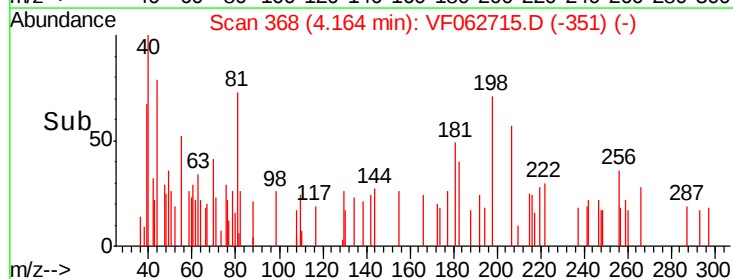
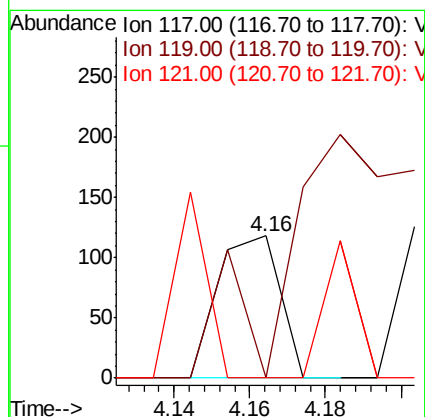
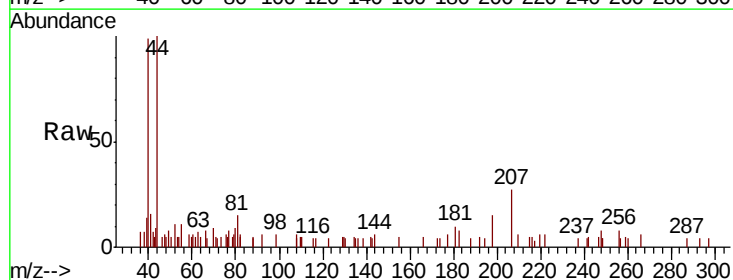
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

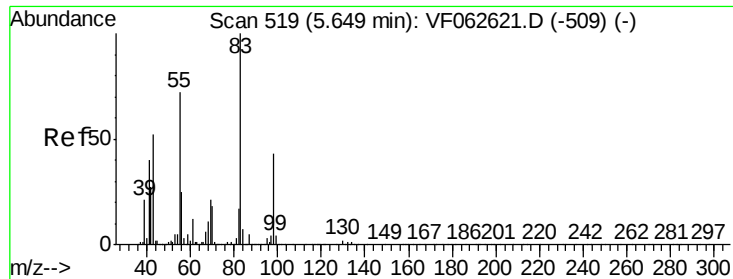
Tot Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
61 37.2 76.9 115.3#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 2.590 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.04 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 117 Resp: 133
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 26.6 40.0#

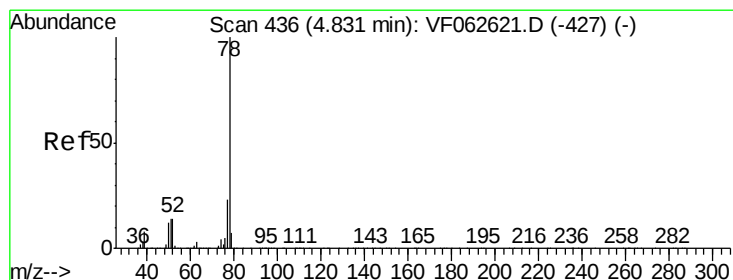
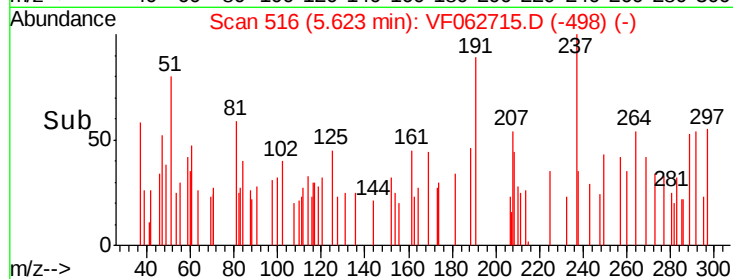
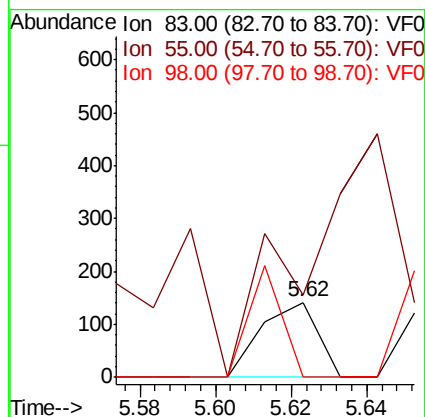
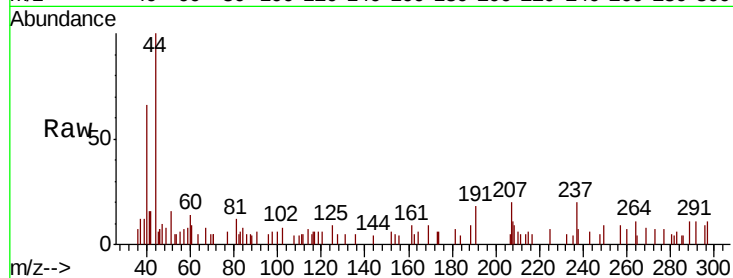




#39
Methvlcvclohexane
Concen: 1.765 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

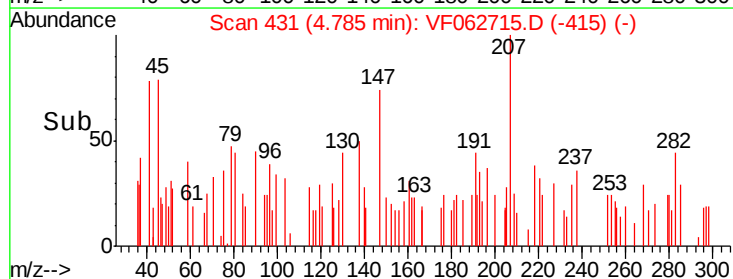
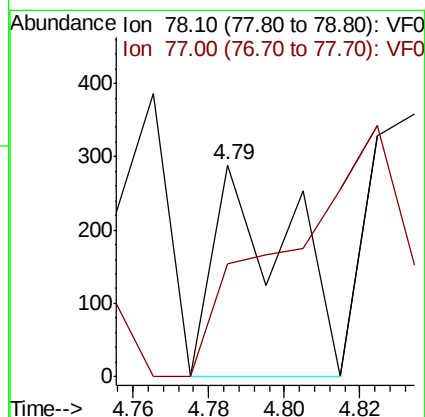
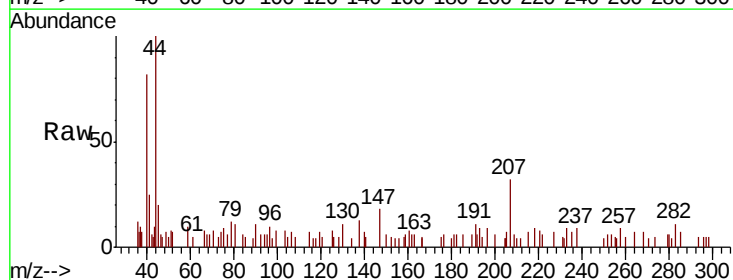
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

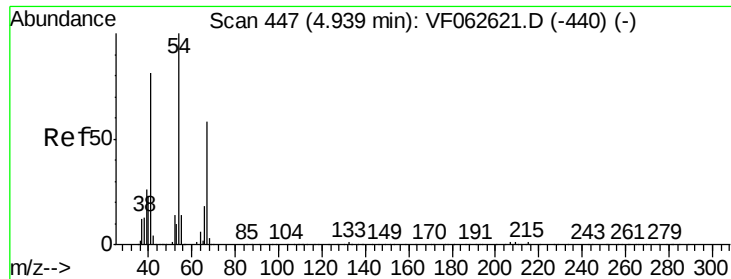
Tot Ion: 83 Resp: 145
Ion Ratio Lower Upper
83 100
55 110.6 57.9 86.9#
98 0.0 34.6 52.0#



#40
Benzene
Concen: 2.118 ug/l
RT: 4.79 min Scan# 431
Delta R.T. -0.05 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 78 Resp: 394
Ion Ratio Lower Upper
78 100
77 53.3 18.2 27.2#





#41

Methacrylonitrile

Concen: 85.310 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.03 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

Tot Ion: 41 Resp: 1247

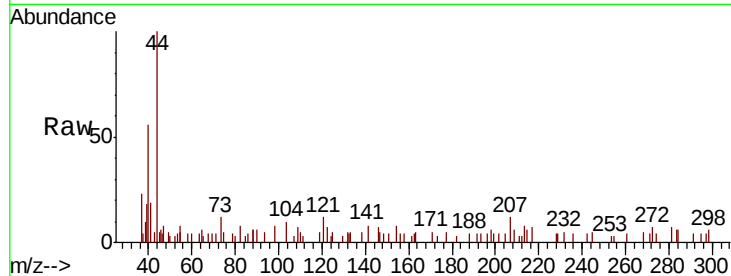
Ion Ratio Lower Upper

41 100

39 142.2 42.2 63.2#

67 0.0 56.4 84.6#

52 15.1 38.8 58.2#

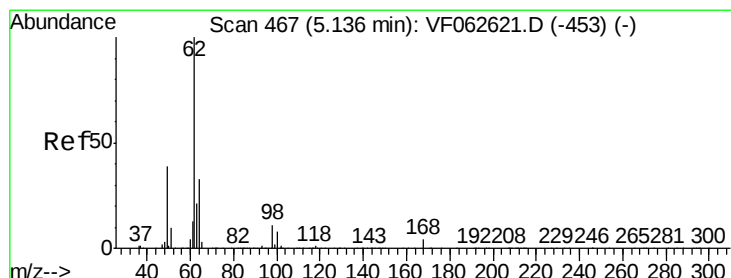
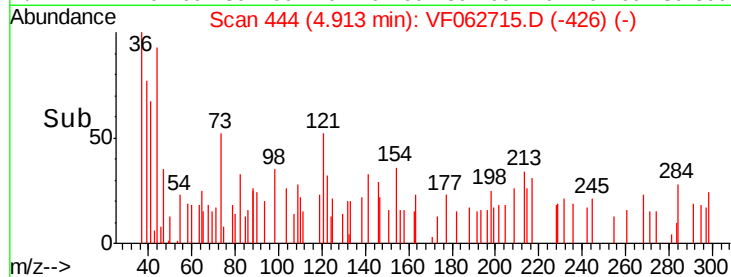
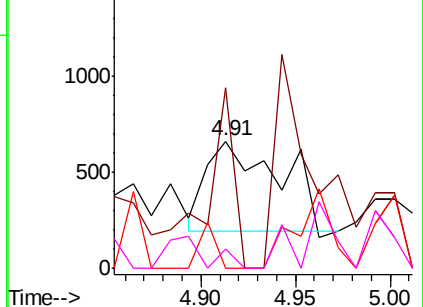


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 5.176 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.06 min

Lab File: VF062715.D

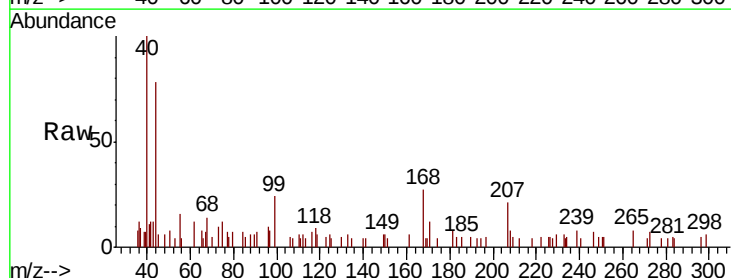
Acq: 22 May 2019 19:37

Tgt Ion: 62 Resp: 192

Ion Ratio Lower Upper

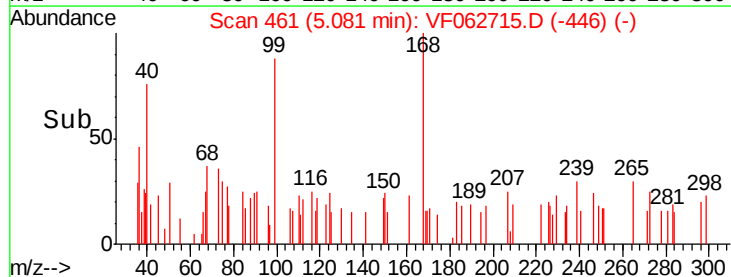
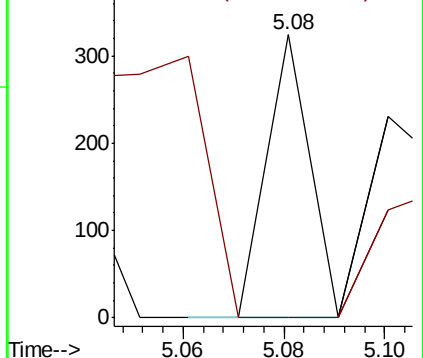
62 100

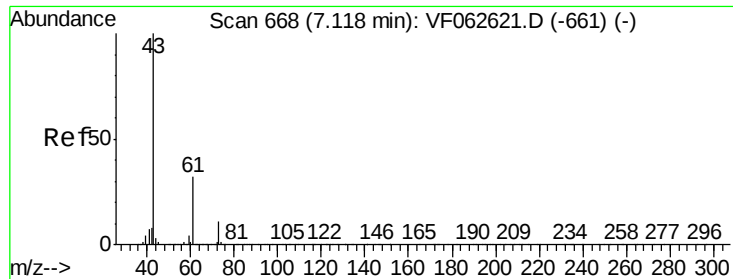
98 0.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



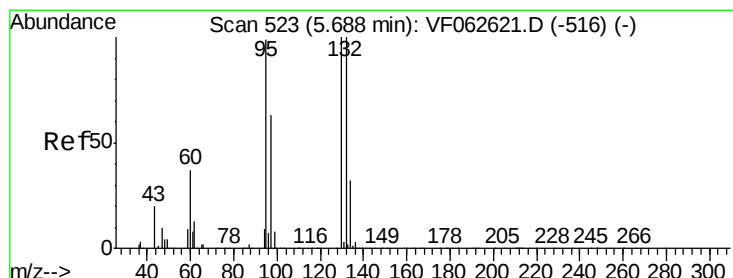
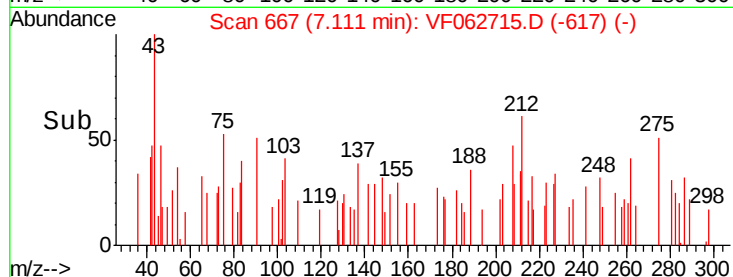
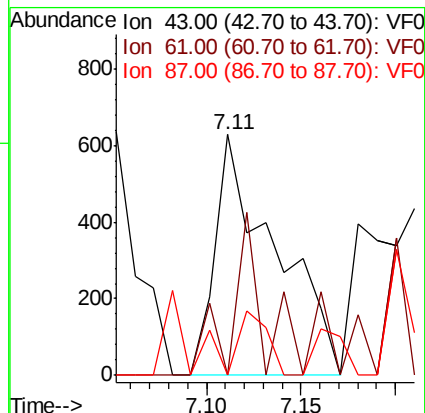
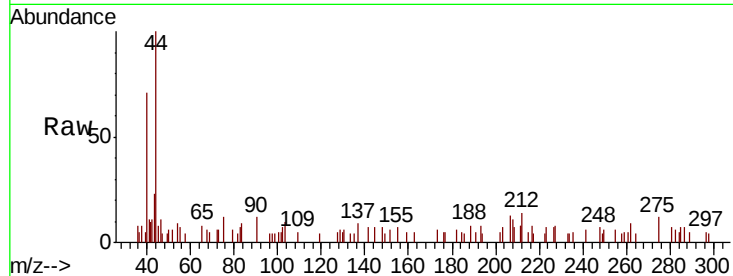


#43

Isopropyl Acetate
 Concen: 38.510 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

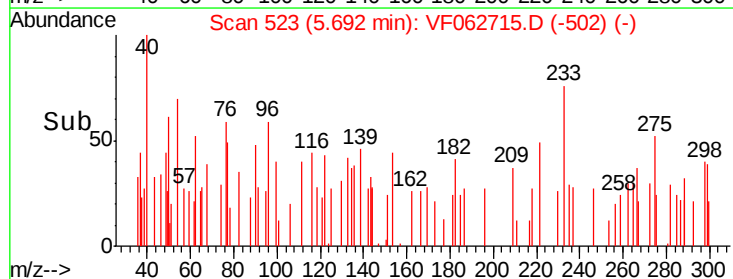
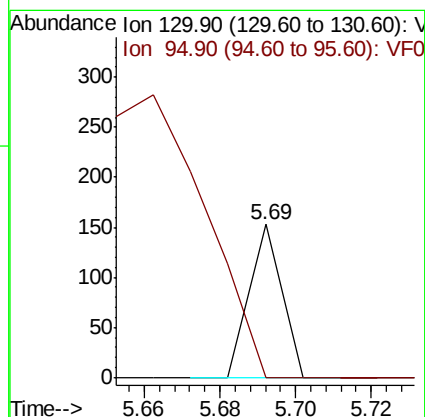
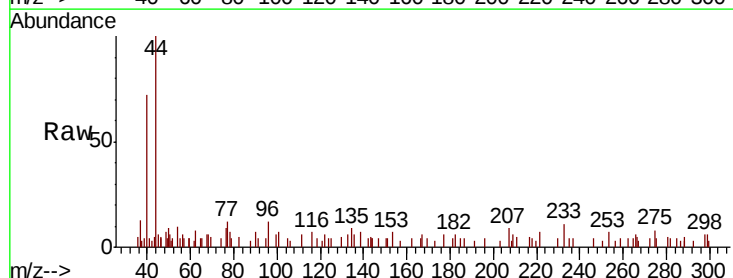
Tot Ion: 43 Resp: 1391
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.8 38.8#
 87 0.0 0.4 0.6#

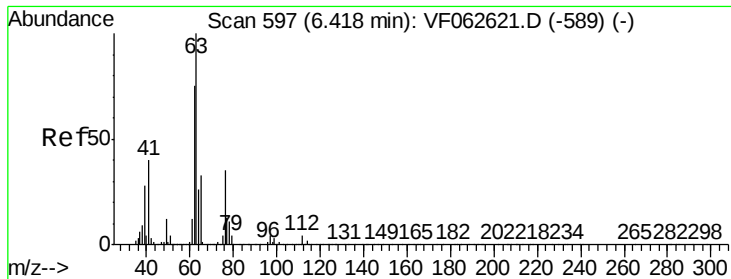


#44

Trichloroethene
 Concen: 1.721 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Tgt Ion: 130 Resp: 90
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 6.367 ug/l

RT: 6.33 min Scan# 588

Delta R.T. -0.08 min

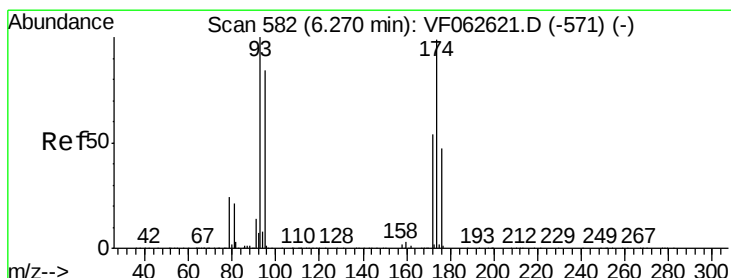
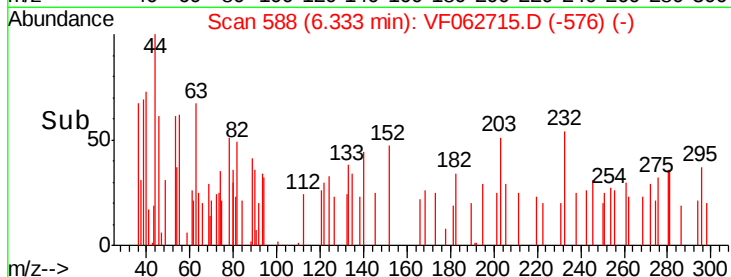
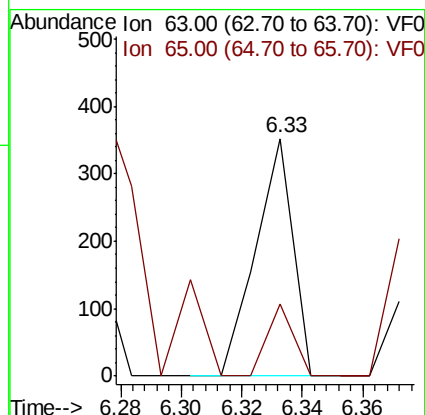
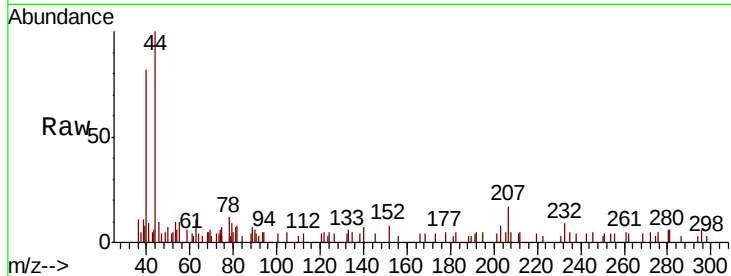
Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 63 Resp: 299

Ion	Ratio	Lower	Upper
63	100		
65	30.4	26.3	39.5



#46

Dibromomethane

Concen: 6.338 ug/l

RT: 6.20 min Scan# 575

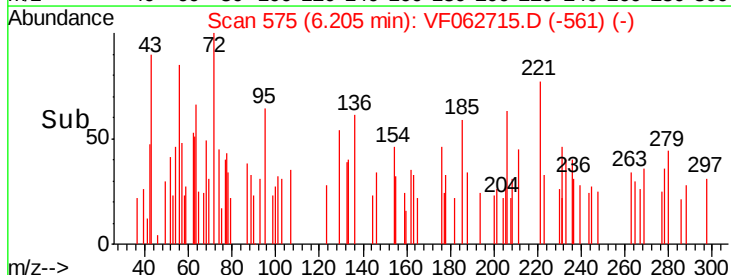
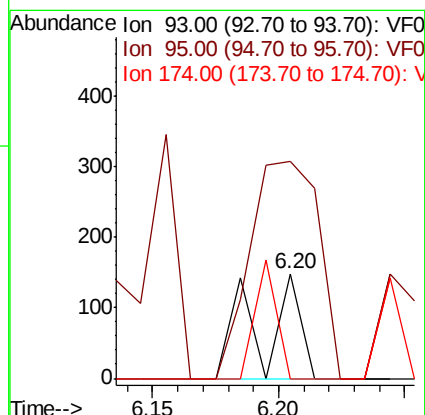
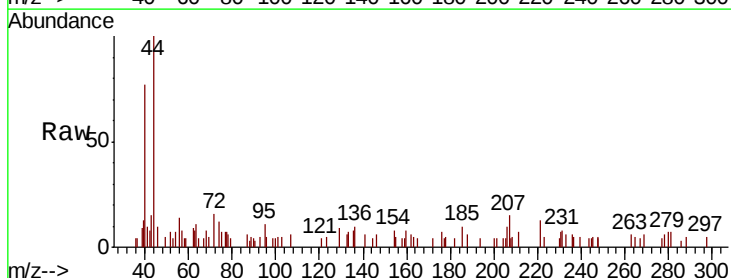
Delta R.T. -0.07 min

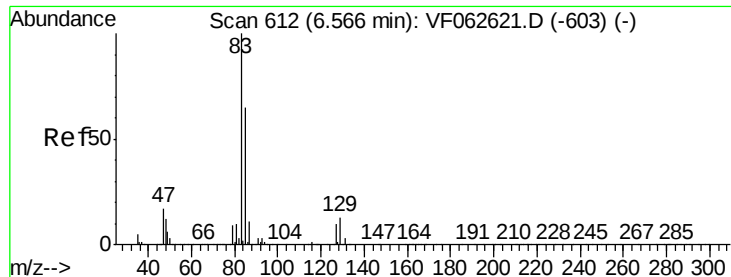
Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion: 93 Resp: 172

Ion	Ratio	Lower	Upper
93	100		
95	208.1	67.4	101.2#
174	0.0	79.4	119.2#





#47

Bromodichloromethane

Concen: 4.260 ug/l

RT: 6.51 min Scan# 606

Delta R.T. -0.06 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

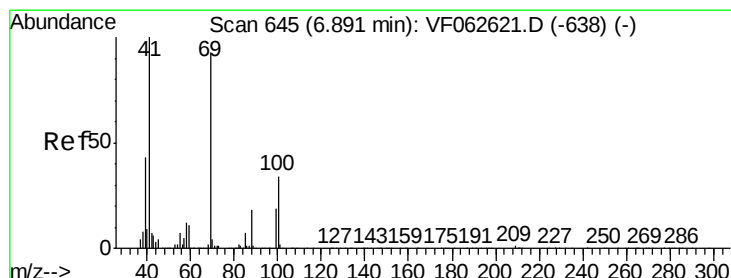
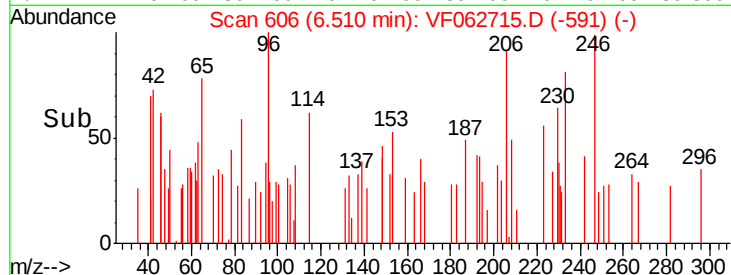
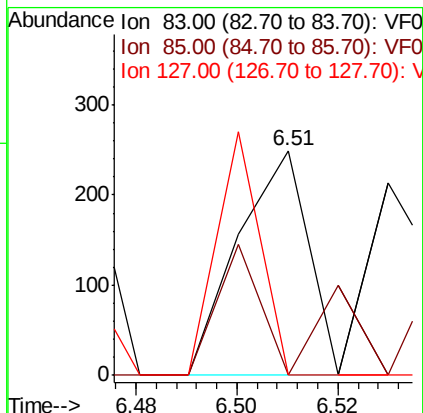
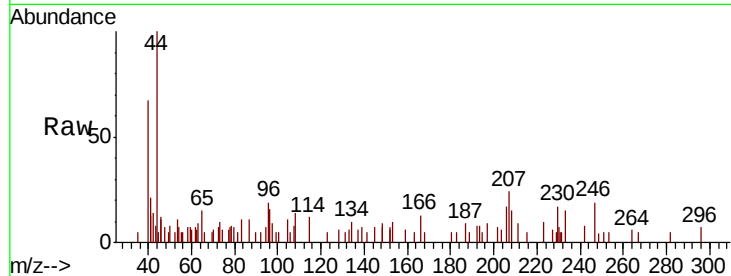
Tot Ion: 83 Resp: 240

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

127 0.0 7.7 11.5#



#48

Methyl methacrylate

Concen: 45.075 ug/l

RT: 6.86 min Scan# 641

Delta R.T. -0.04 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

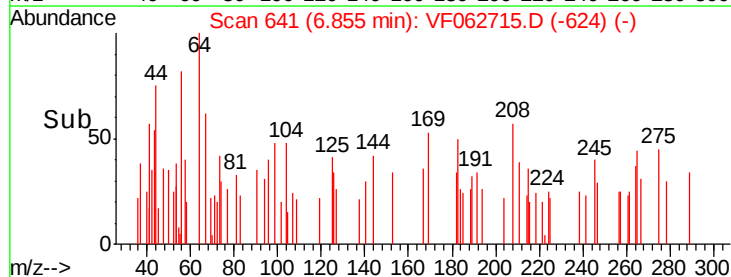
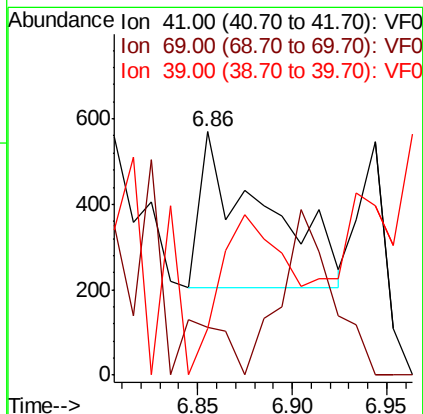
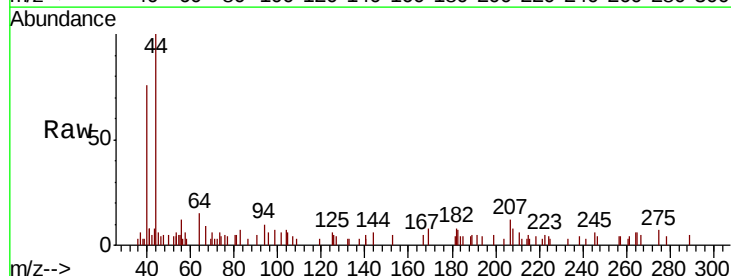
Tgt Ion: 41 Resp: 851

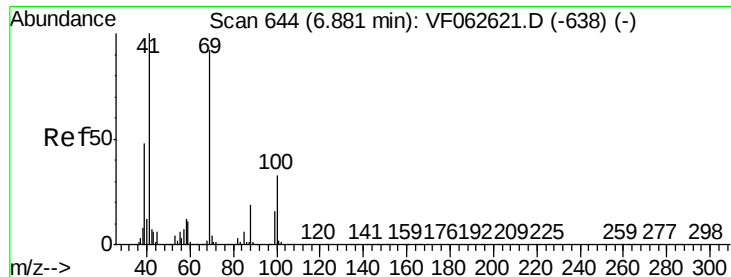
Ion Ratio Lower Upper

41 100

69 19.5 74.2 111.2#

39 19.1 34.2 51.4#

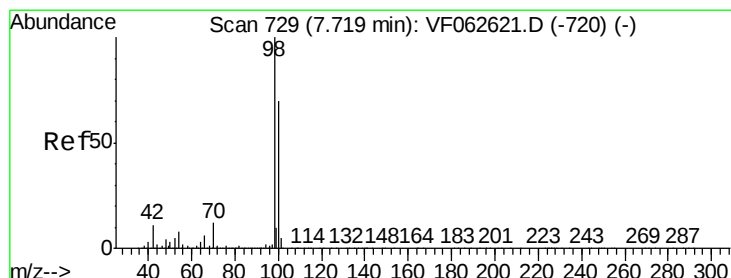
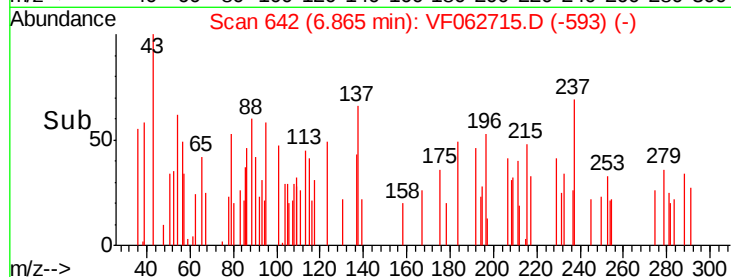
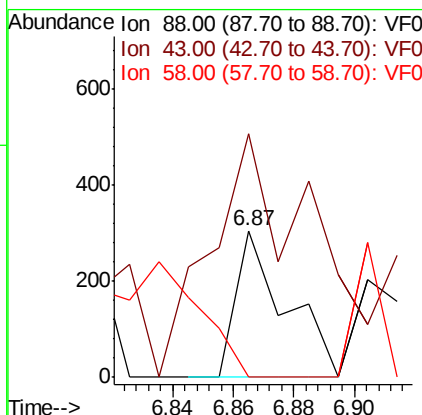
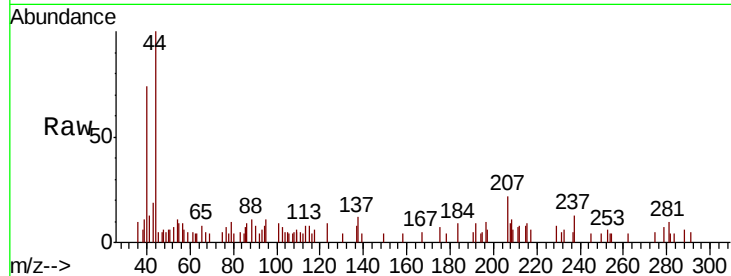




#49
1,4-Dioxane
Concen: 1430.869 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

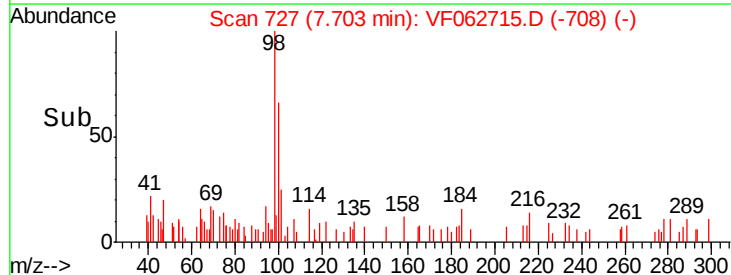
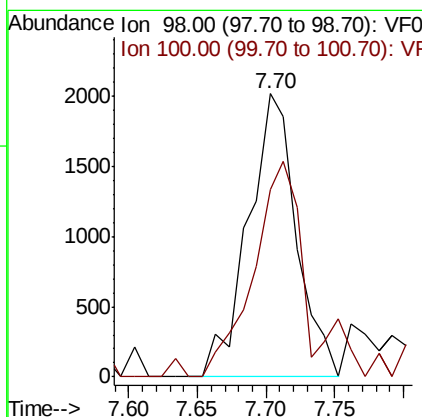
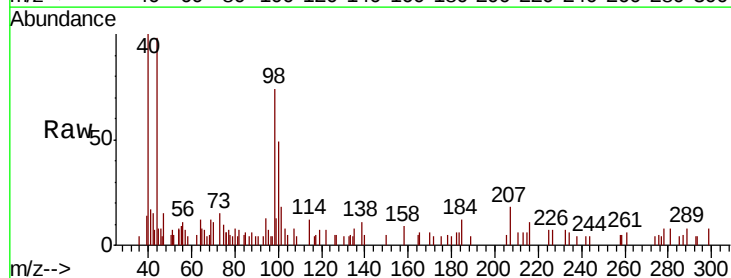
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

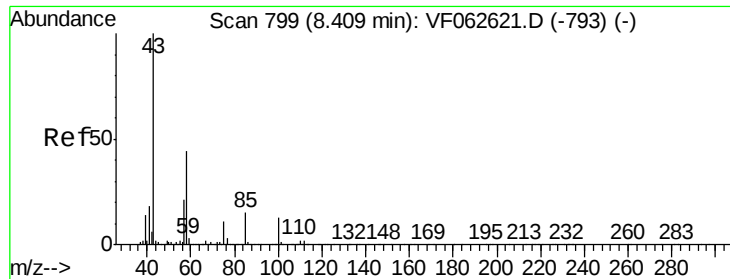
Tot Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 165.9 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 40.574 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 98 Resp: 4940
Ion Ratio Lower Upper
98 100
100 66.0 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 46.901 ug/l

RT: 8.33 min Scan# 791

Delta R.T. -0.08 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

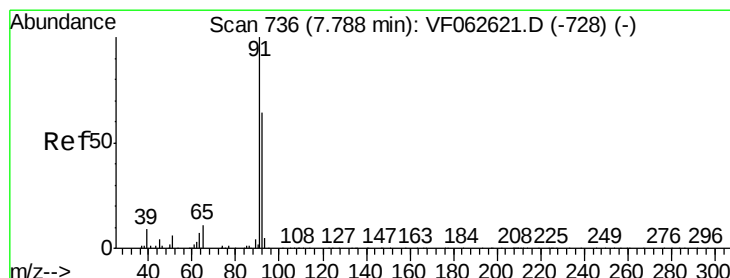
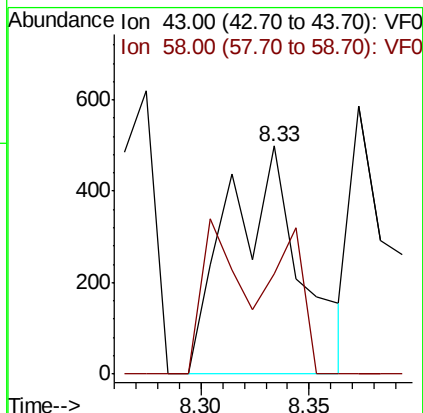
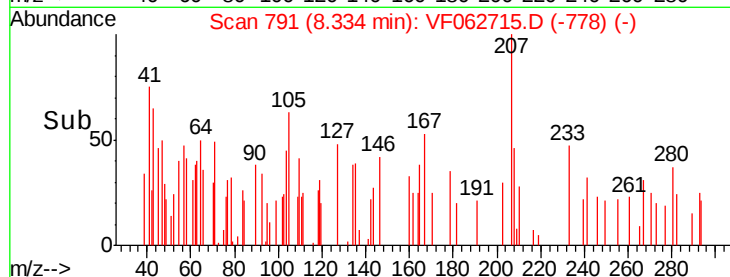
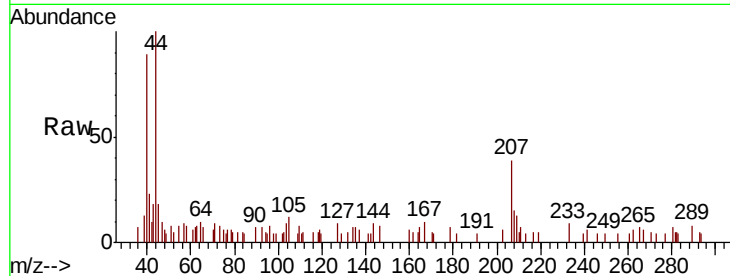
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

58 43.7 34.9 52.3



#52

Toluene

Concen: 3.987 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.04 min

Lab File: VF062715.D

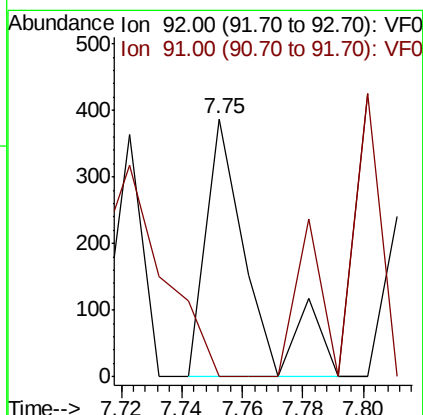
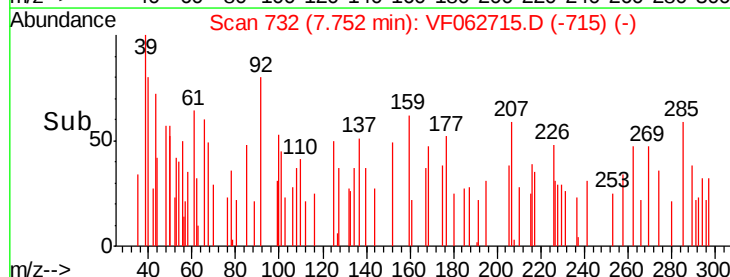
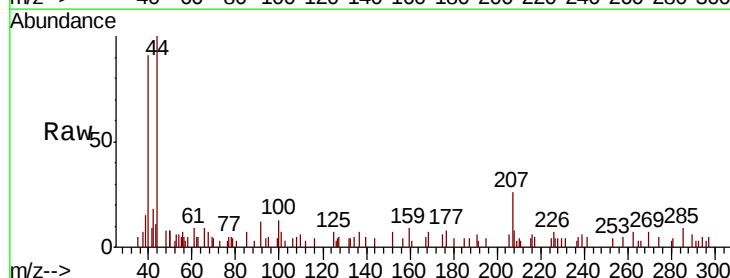
Acq: 22 May 2019 19:37

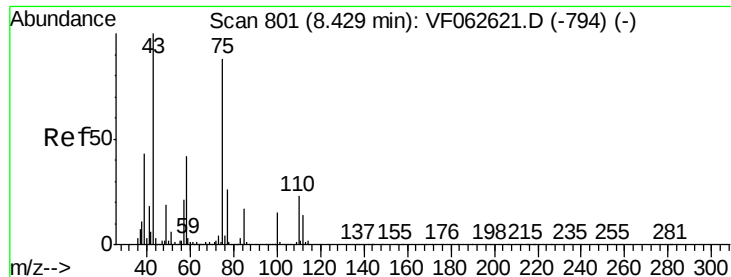
Tgt Ion: 92 Resp: 389

Ion Ratio Lower Upper

92 100

91 0.0 125.4 188.0#

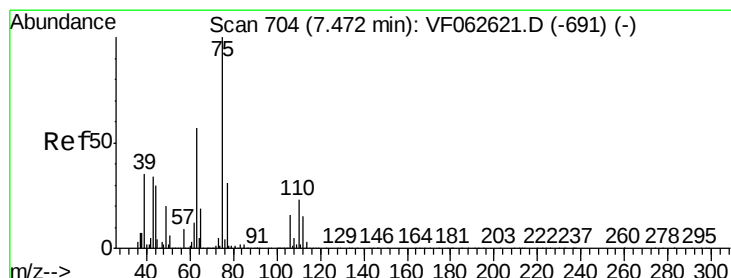
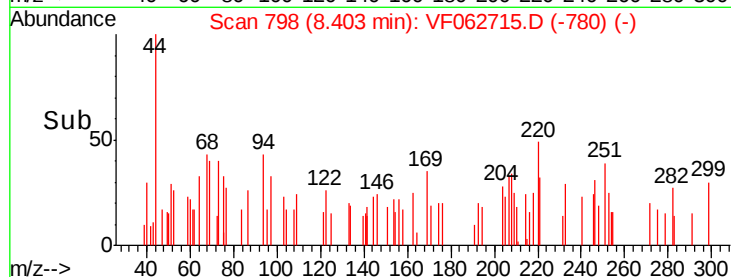
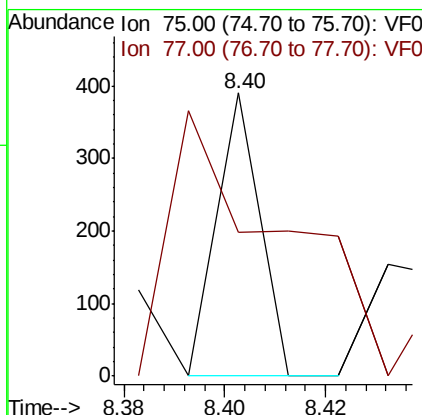
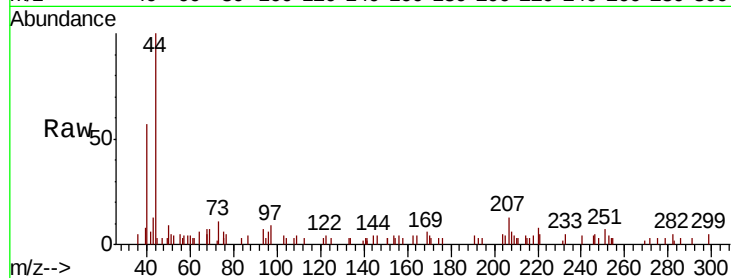




#53
 t-1,3-Dichloropropene
 Concen: 5.011 ug/l
 RT: 8.40 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

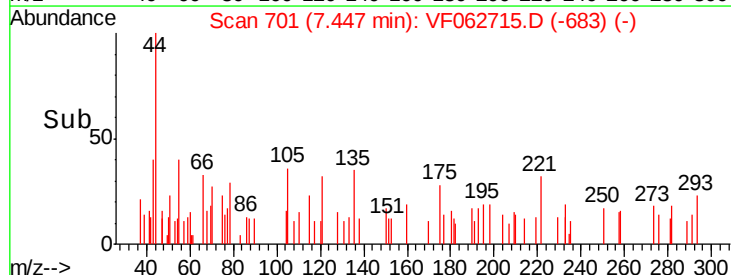
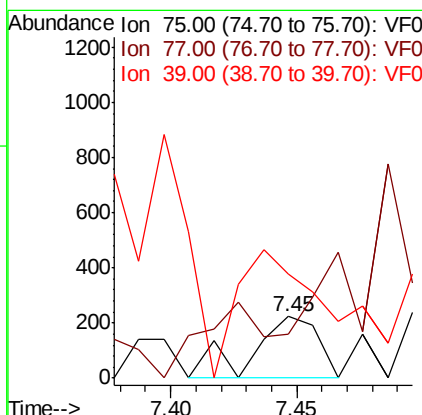
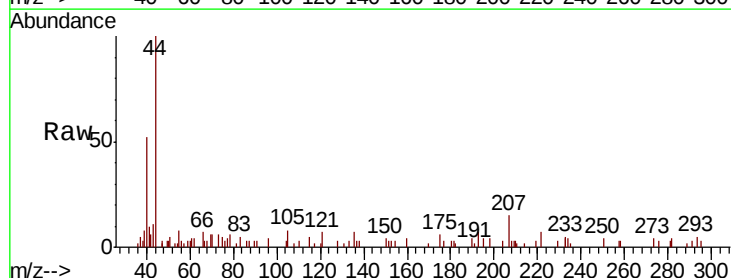
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

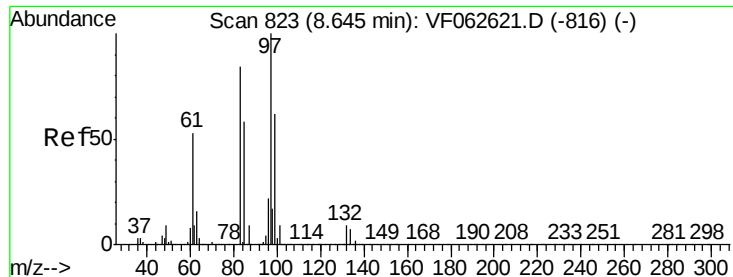
Tot Ion: 75 Resp: 231
 Ion Ratio Lower Upper
 75 100
 77 50.8 24.2 36.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.370 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Tgt Ion: 75 Resp: 411
 Ion Ratio Lower Upper
 75 100
 77 71.4 25.3 37.9#
 39 169.2 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 8.551 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

Tot Ion: 97 Resp: 247

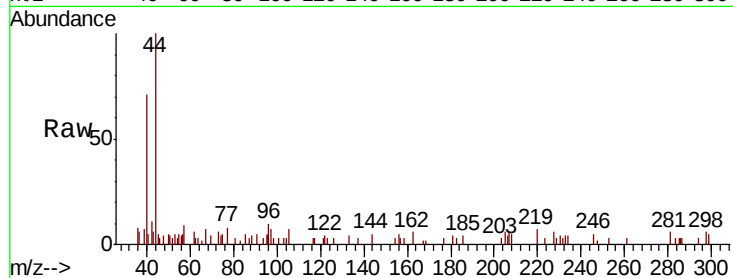
Ion Ratio Lower Upper

97 100

83 36.7 67.3 100.9#

85 74.5 46.6 69.8#

99 0.0 49.7 74.5#

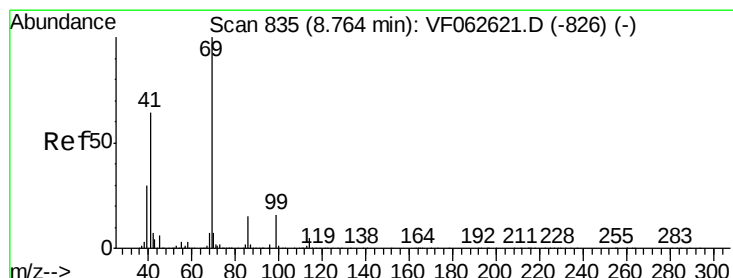
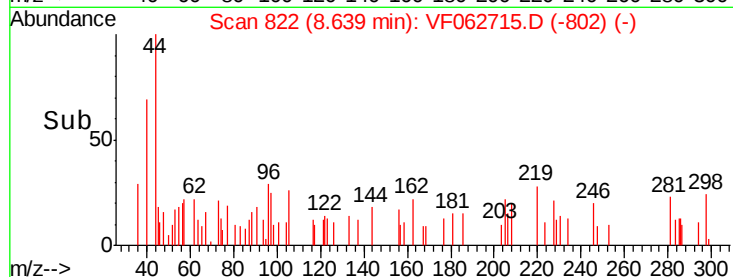
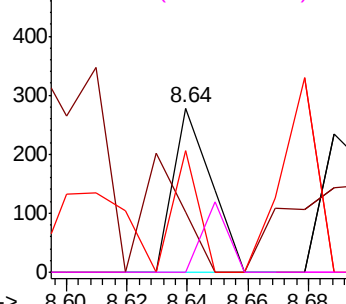


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.817 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

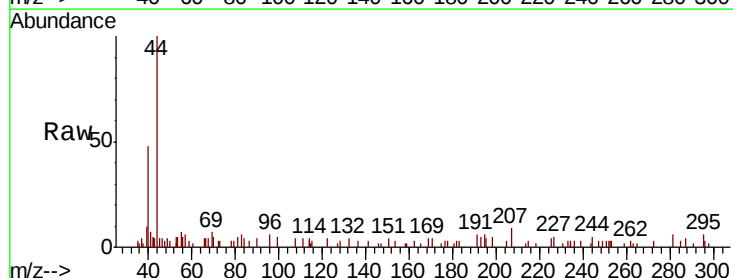
Tgt Ion: 69 Resp: 682

Ion Ratio Lower Upper

69 100

41 108.3 51.4 77.2#

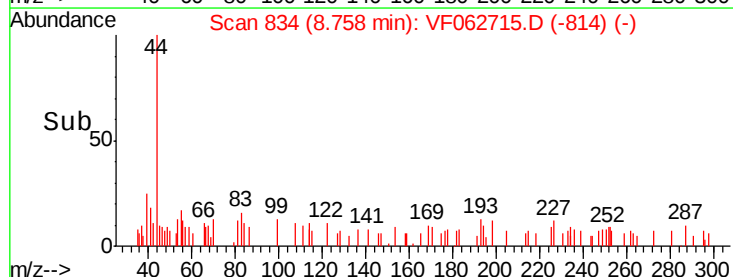
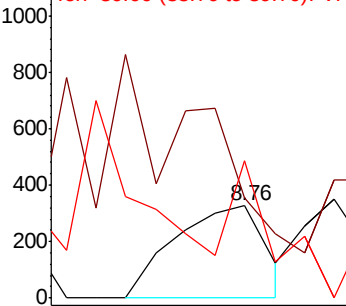
39 149.4 23.6 35.4#

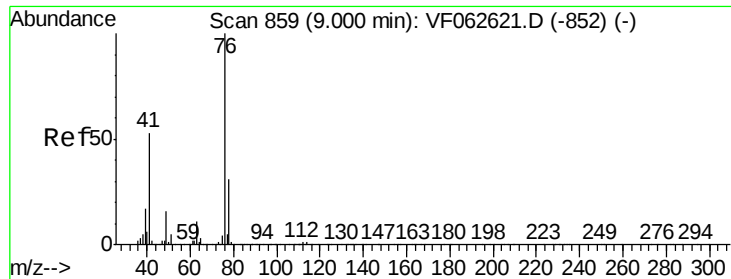


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 6.016 ug/l

RT: 8.96 min Scan# 855

Delta R.T. -0.04 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

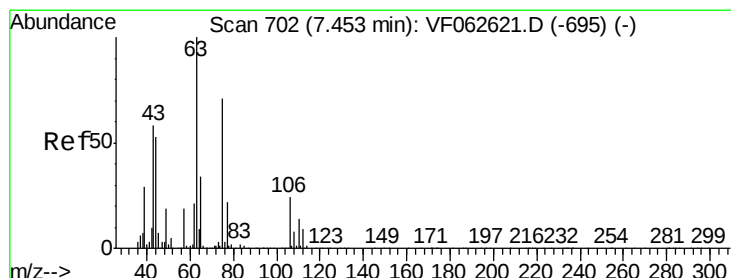
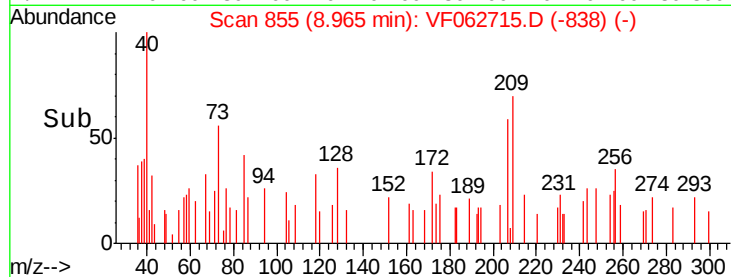
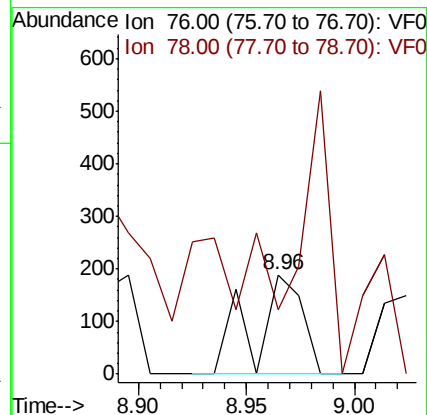
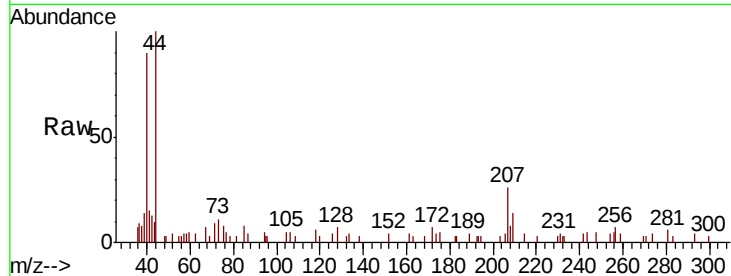
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion: 76 Resp: 296

Ion Ratio Lower Upper

76 100

78 65.1 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 58.382 ug/l

RT: 7.40 min Scan# 696

Delta R.T. -0.06 min

Lab File: VF062715.D

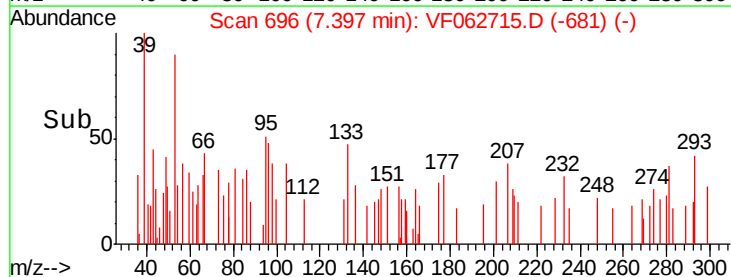
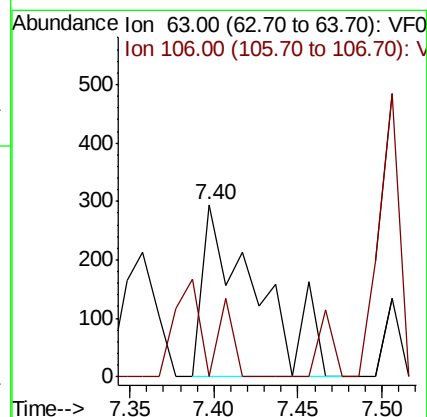
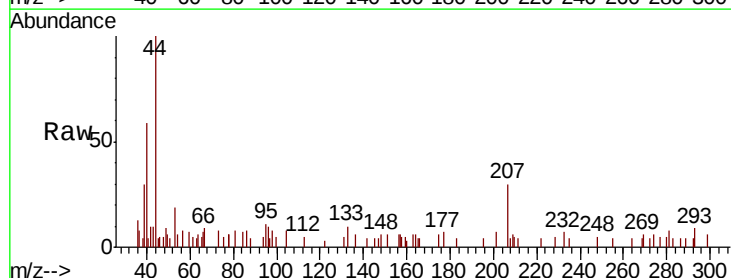
Acq: 22 May 2019 19:37

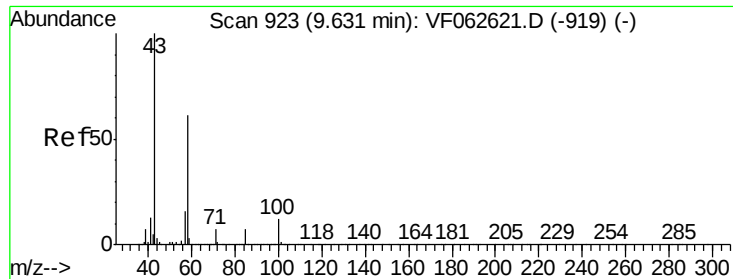
Tgt Ion: 63 Resp: 654

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

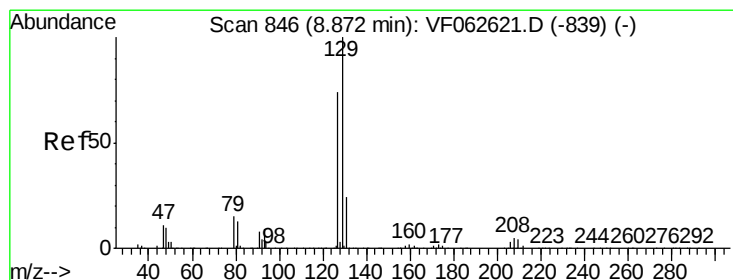
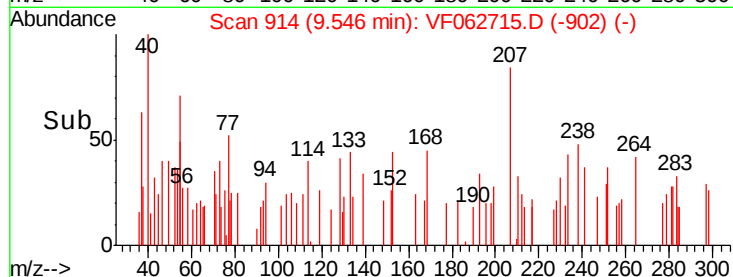
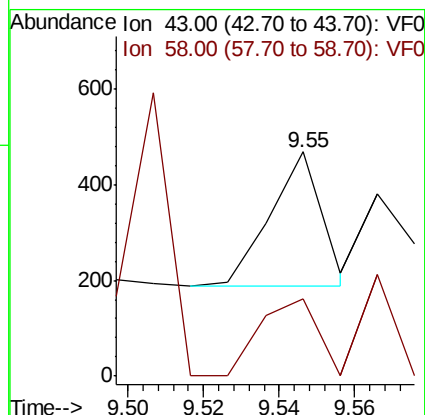
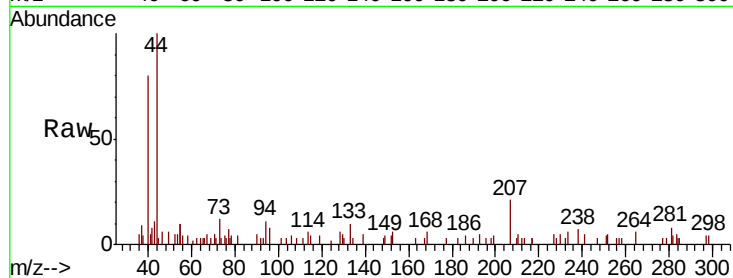




#59
2-Hexanone
Concen: Below Cal
RT: 9.55 min Scan# 914
Delta R.T. -0.08 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

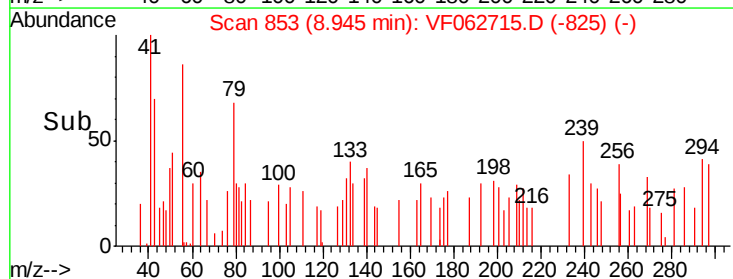
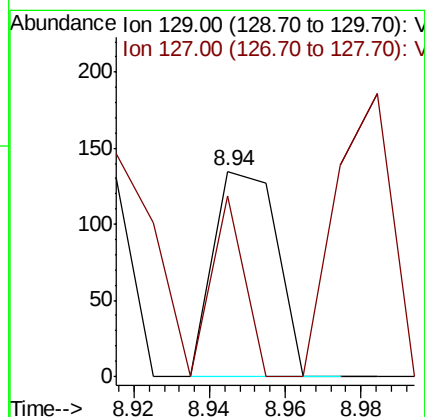
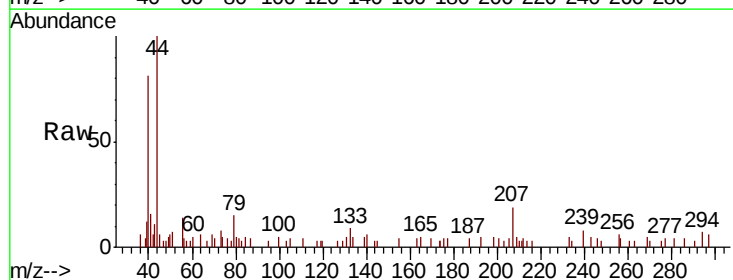
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

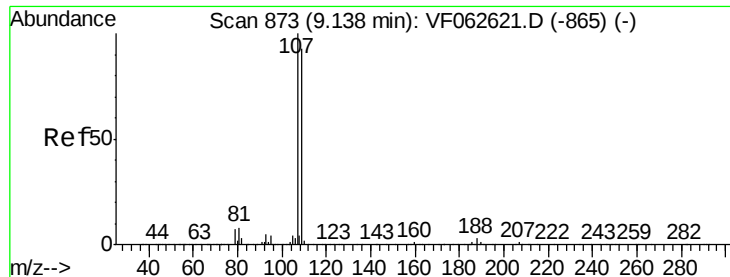
Tot Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
58 34.3 28.1 84.4



#60
Dibromochloromethane
Concen: 4.117 ug/l
RT: 8.94 min Scan# 853
Delta R.T. 0.07 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 129 Resp: 155
Ion Ratio Lower Upper
129 100
127 88.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 5.736 ug/l

RT: 9.08 min Scan# 867

Delta R.T. -0.06 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

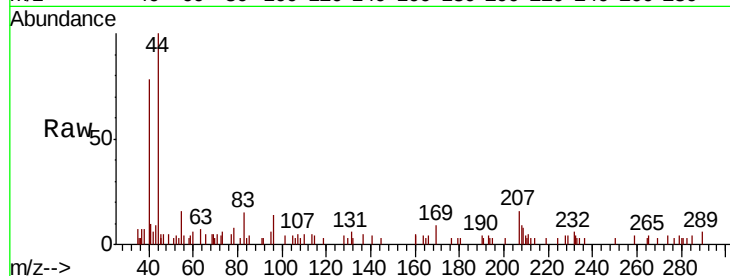
21-C5-20190409RE

Tot Ion: 107 Resp: 176

Ion Ratio Lower Upper

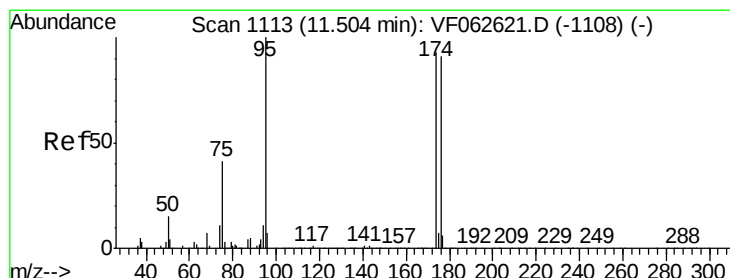
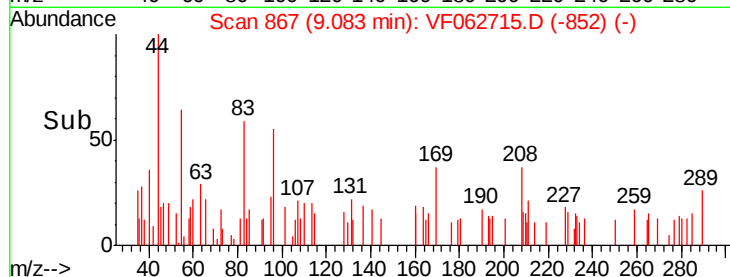
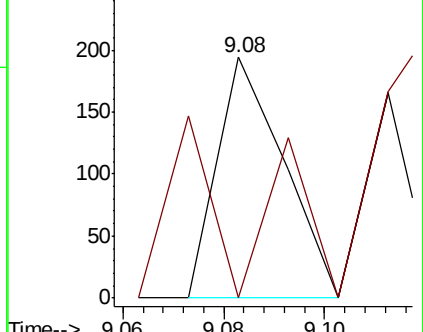
107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 9.160 ug/l

RT: 11.43 min Scan# 1105

Delta R.T. -0.08 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

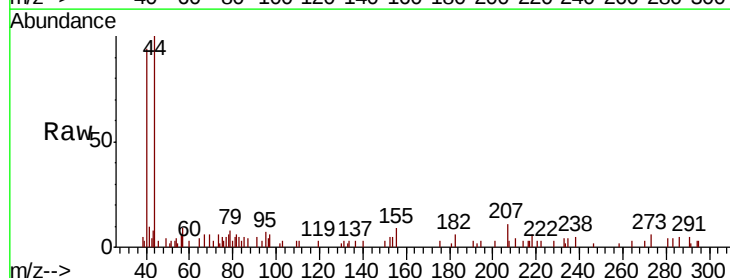
Tgt Ion: 95 Resp: 423

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

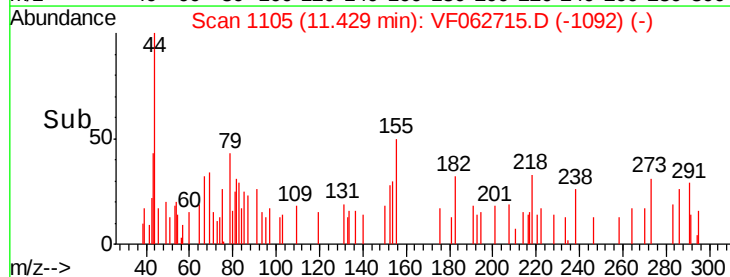
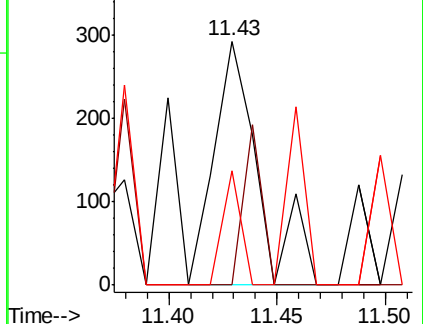
176 46.8 0.0 182.4

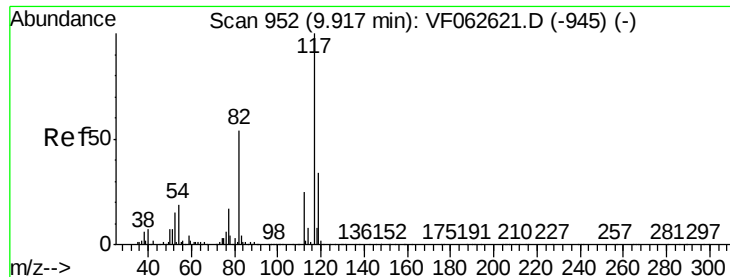


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

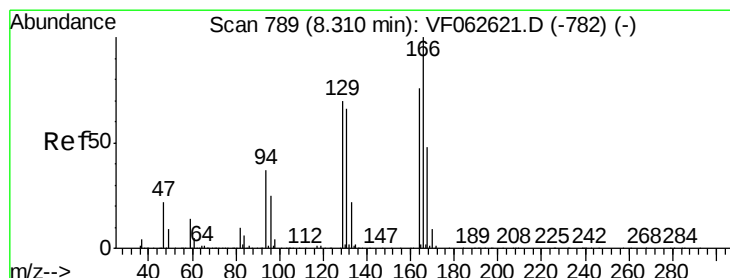
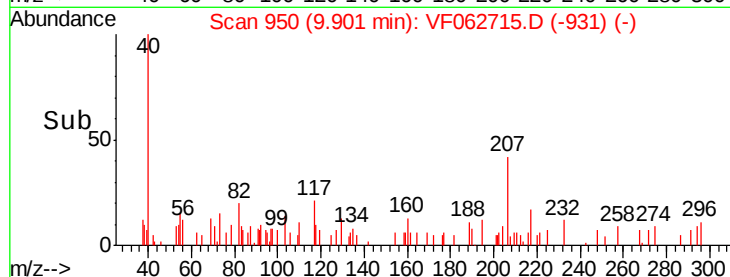
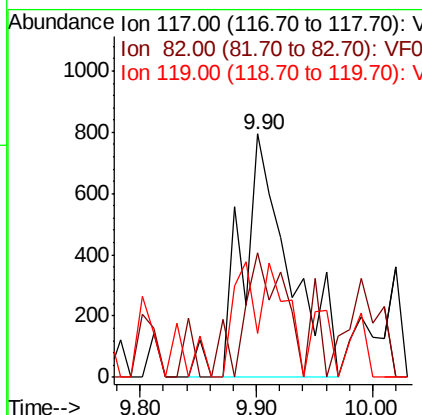
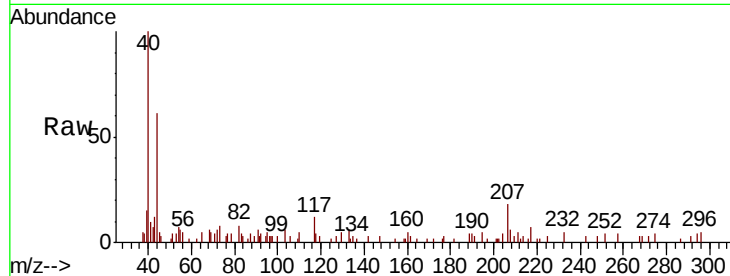




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

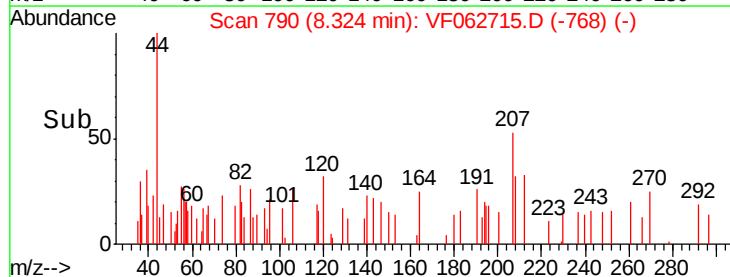
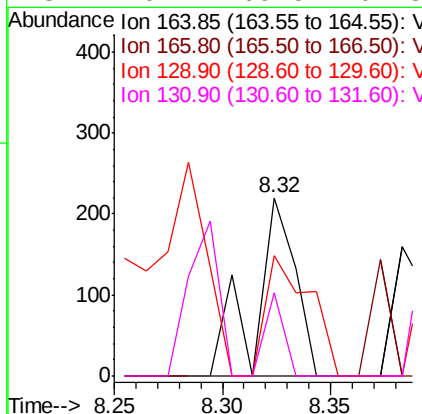
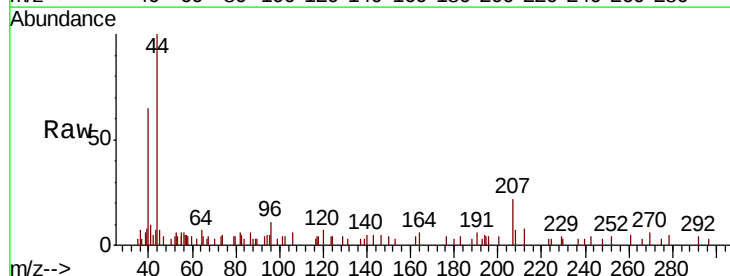
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

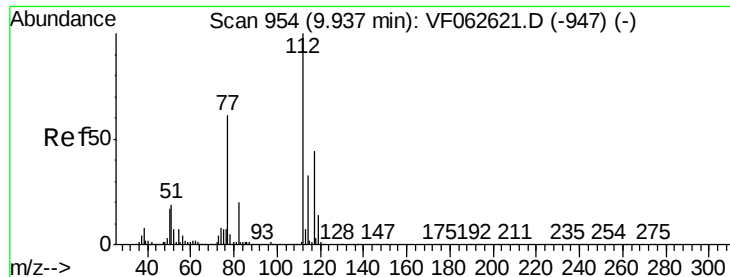
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	43.3	64.9
119	17.9	27.4	41.0#



#64
Tetrachloroethene
Concen: 15.799 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	67.7	73.8	110.6#
131	46.4	69.5	104.3#





#65

Chlorobenzene

Concen: 1.486 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

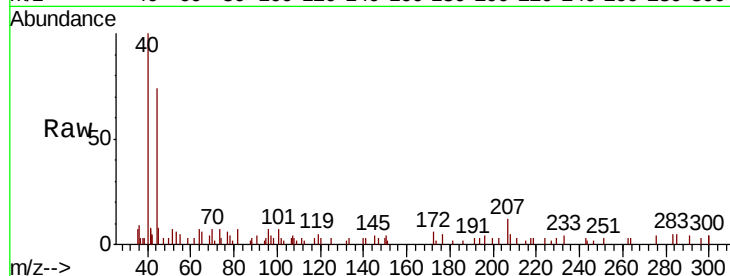
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion:112 Resp: 66

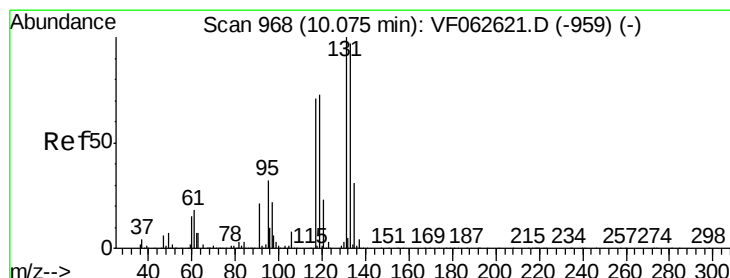
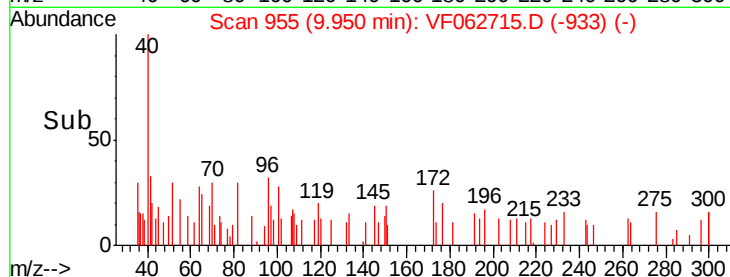
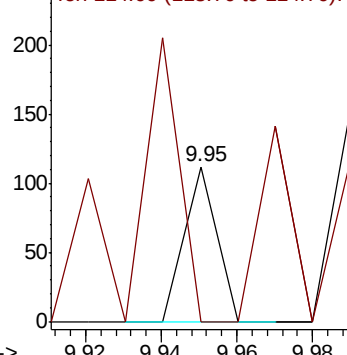
Ion Ratio Lower Upper

112 100

114 0.0 26.8 40.2#



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.992 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.03 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

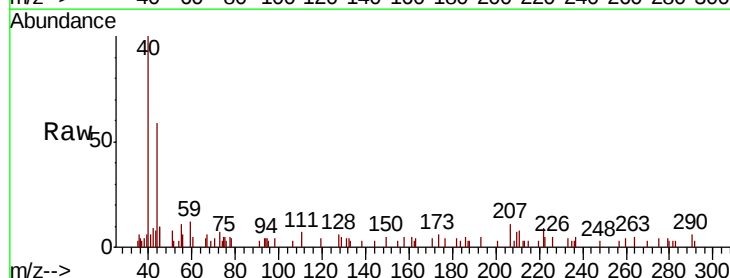
Tgt Ion:131 Resp: 89

Ion Ratio Lower Upper

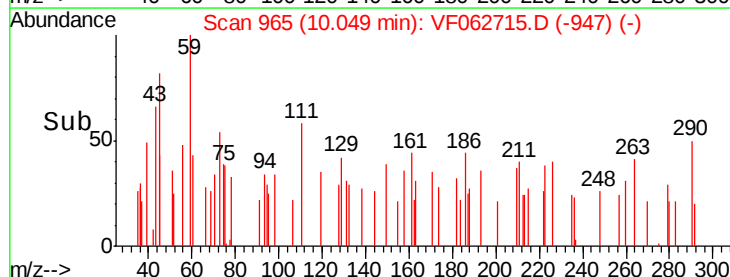
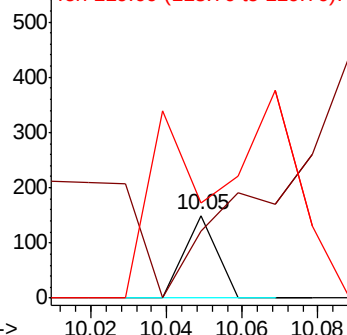
131 100

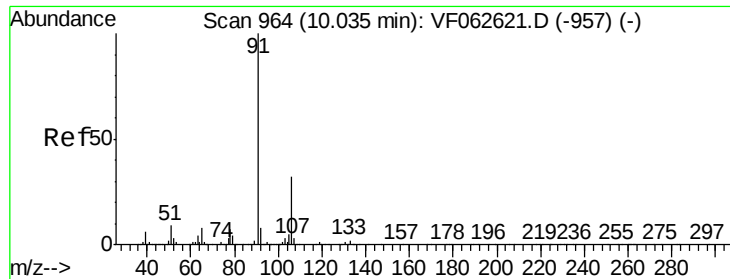
133 80.7 48.5 145.5

119 115.3 36.8 110.4#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

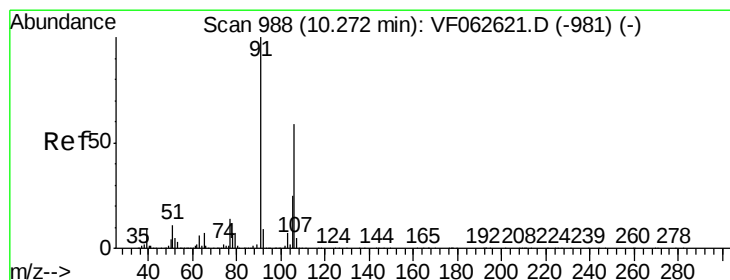
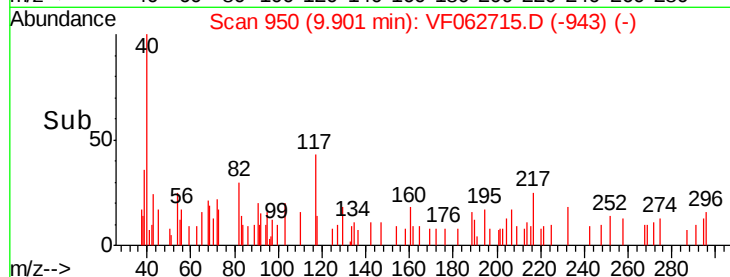
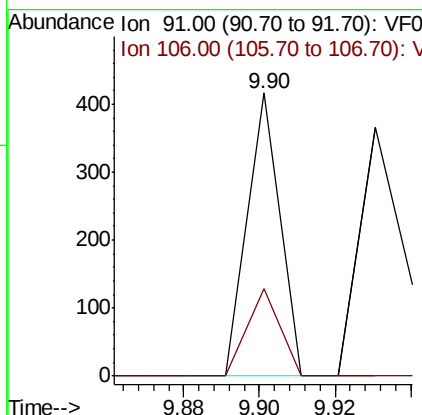
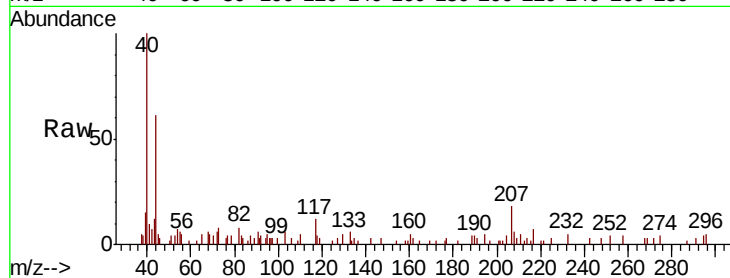




#67
Ethyl Benzene
Concen: 3.202 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.13 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

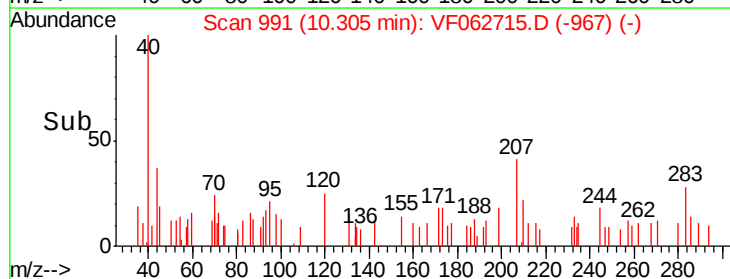
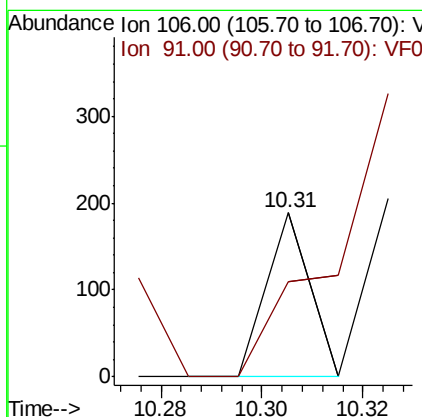
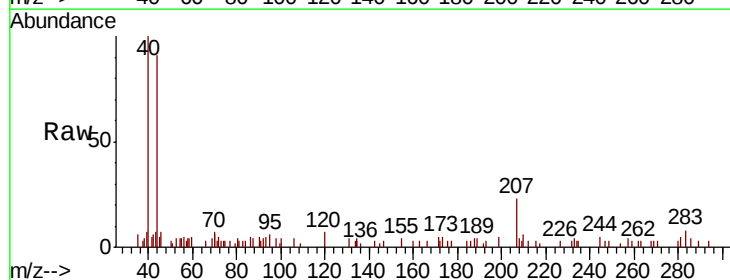
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

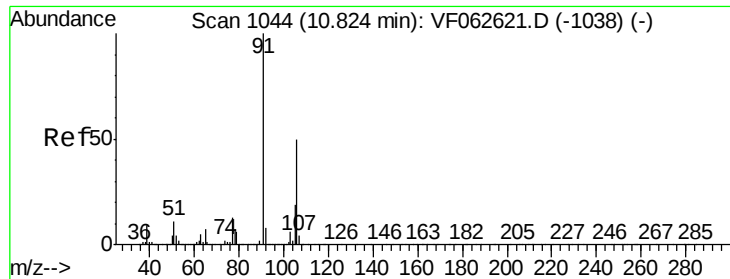
Tot Ion: 91 Resp: 247
Ion Ratio Lower Upper
91 100
106 30.7 25.8 38.8



#68
m/p-Xylenes
Concen: 3.863 ug/l
RT: 10.31 min Scan# 991
Delta R.T. 0.03 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion: 106 Resp: 112
Ion Ratio Lower Upper
106 100
91 57.7 136.9 205.3#

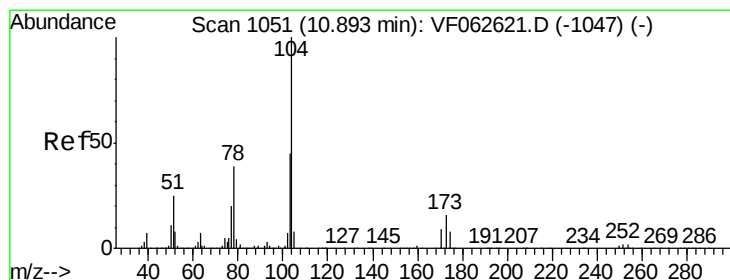
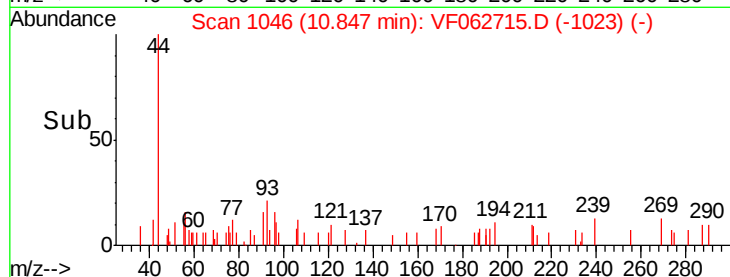
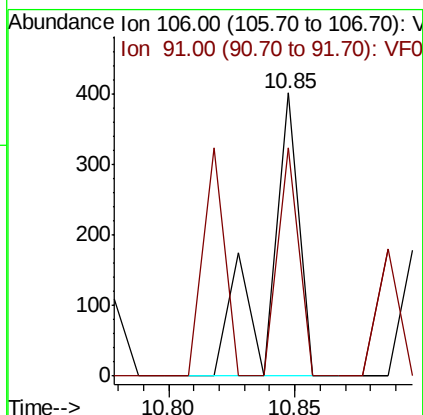
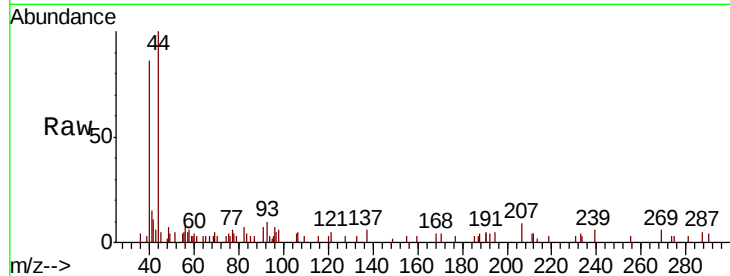




#69
o-Xylene
Concen: 11.418 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

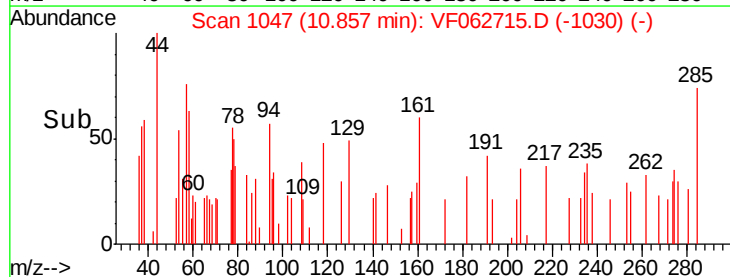
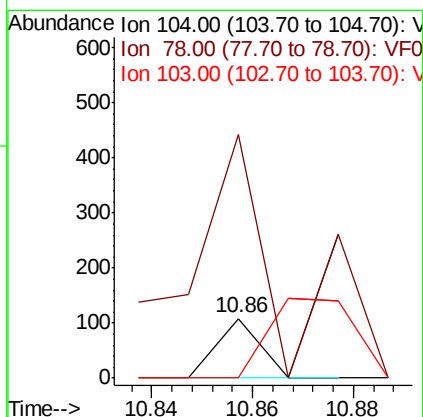
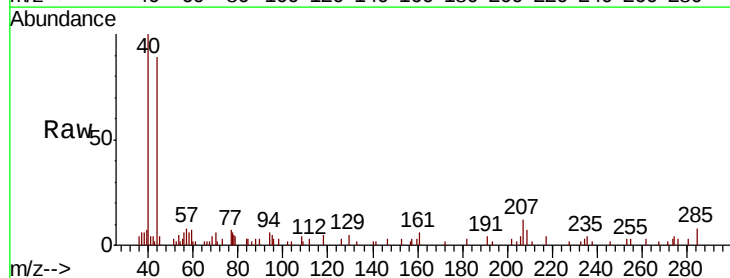
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

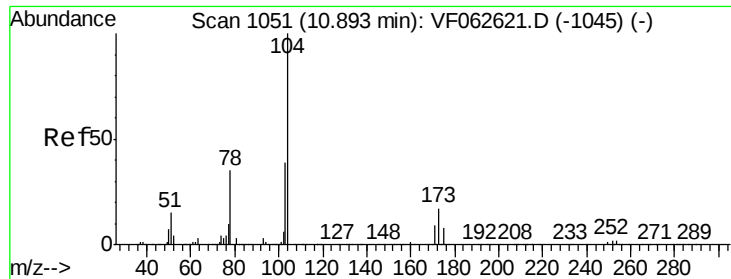
Tot Ion:106 Resp: 341
Ion Ratio Lower Upper
106 100
91 80.8 100.2 300.5#



#70
Styrene
Concen: 1.410 ug/l
RT: 10.86 min Scan# 1047
Delta R.T. -0.04 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion:104 Resp: 64
Ion Ratio Lower Upper
104 100
78 405.5 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 6.608 ug/l

RT: 10.91 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

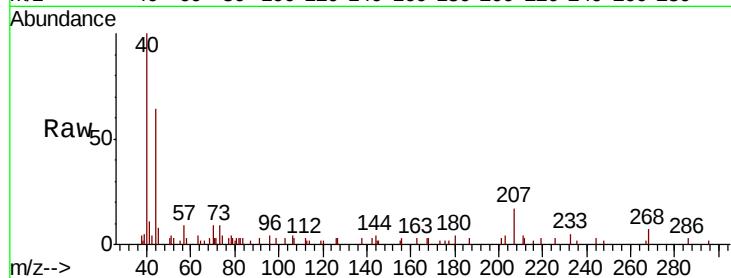
Tot Ion:173 Resp: 59

Ion Ratio Lower Upper

173 100

175 119.0 25.3 75.9#

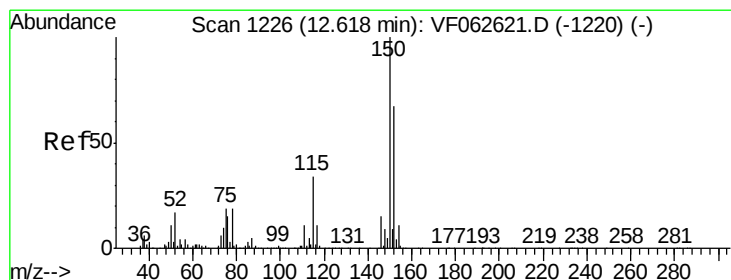
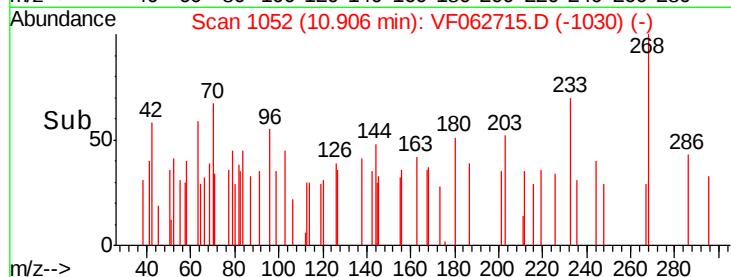
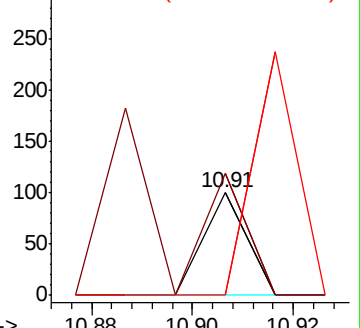
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.02 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

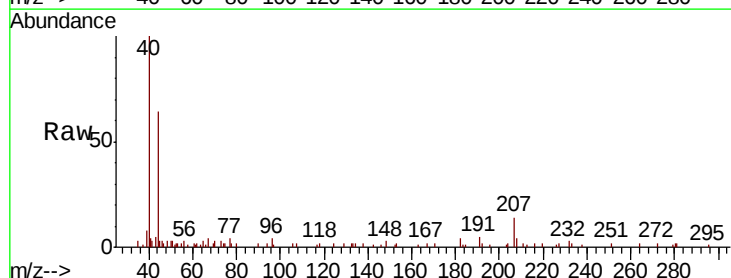
Tgt Ion:152 Resp: 64

Ion Ratio Lower Upper

152 100

115 0.0 25.2 75.6#

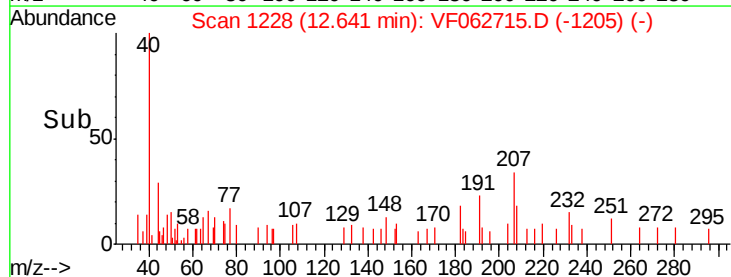
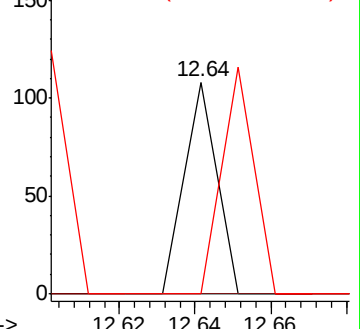
150 0.0 0.0 306.2

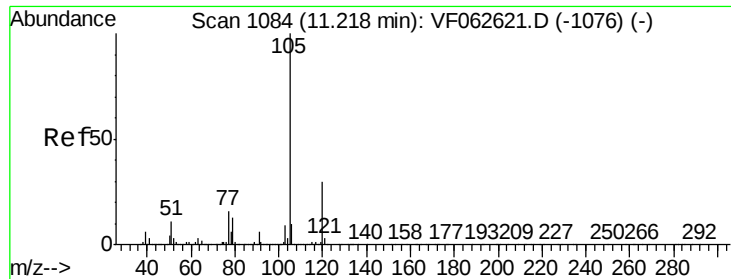


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 47.744 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

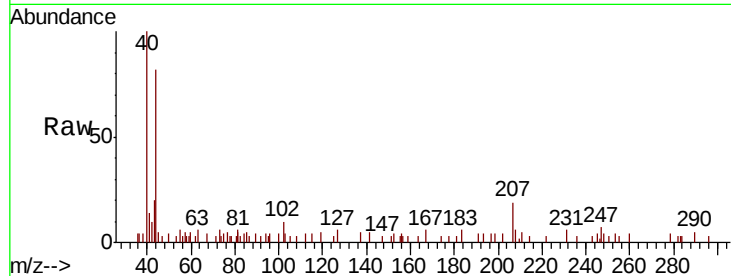
21-C5-20190409RE

Tot Ion: 105 Resp: 219

Ion Ratio Lower Upper

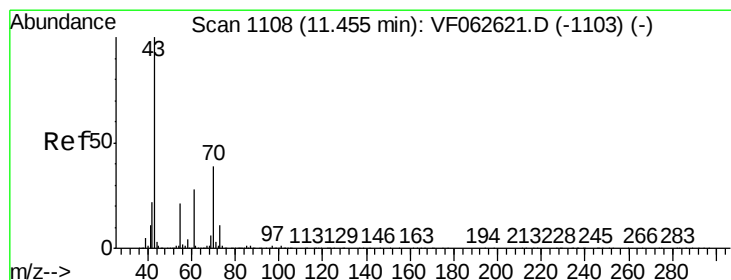
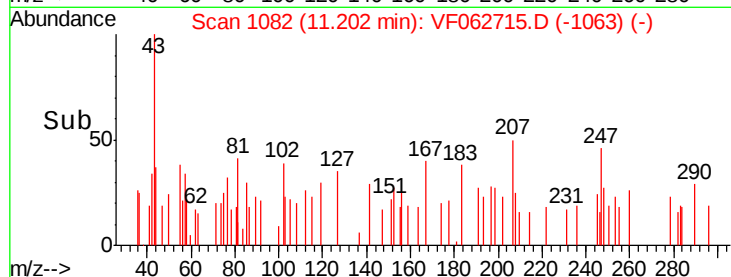
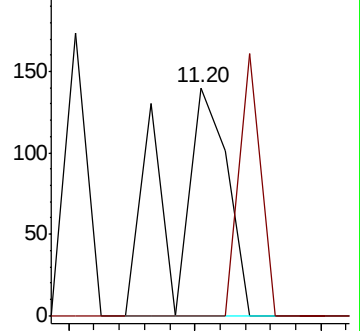
105 100

120 0.0 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1216.655 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion: 43 Resp: 1273

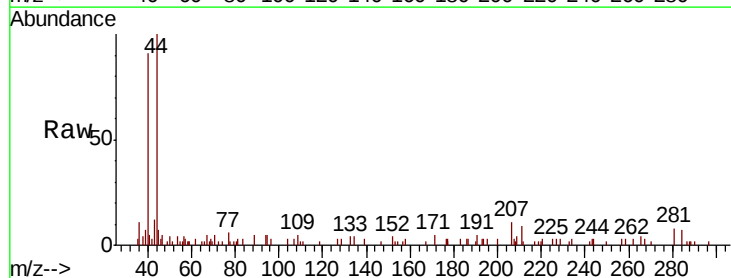
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 17.1 17.0 25.4

61 25.4 22.6 34.0

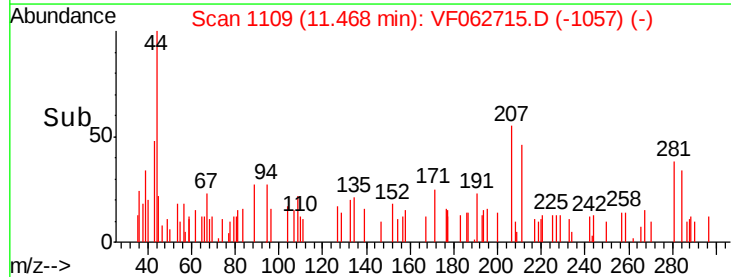
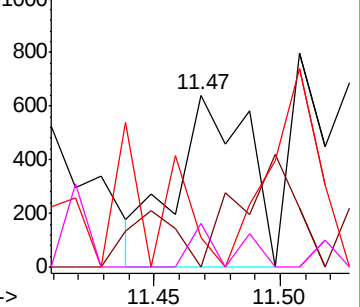


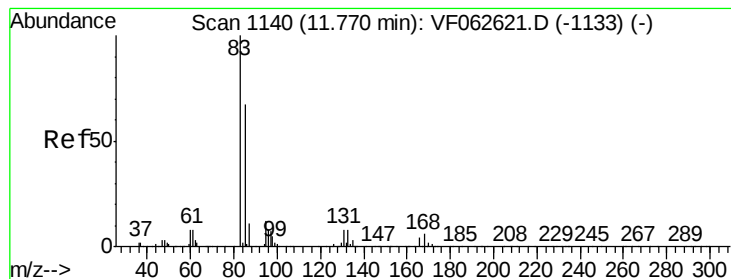
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 485.379 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

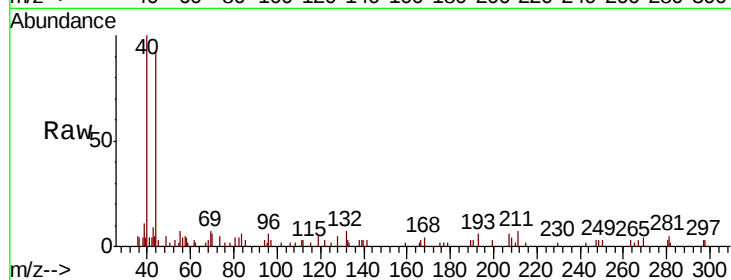
Tot Ion: 83 Resp: 455

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

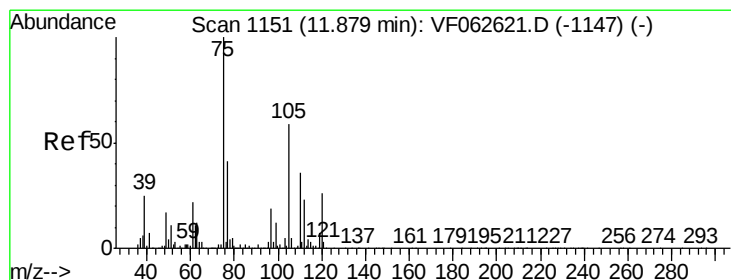
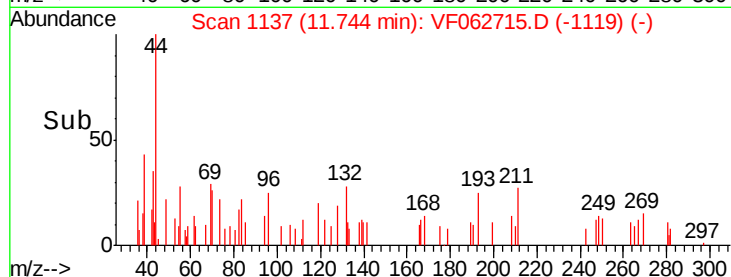
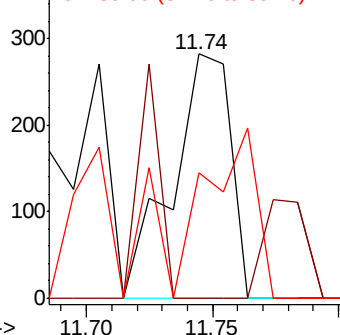
85 51.1 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 133.130 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062715.D

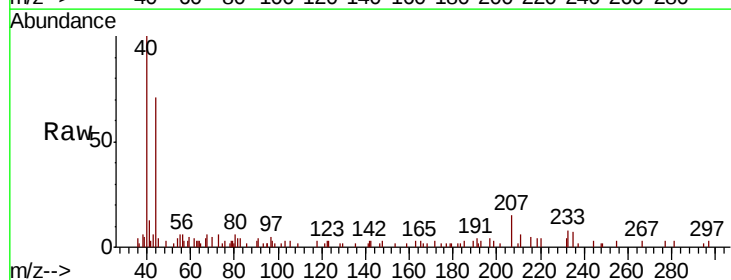
Acq: 22 May 2019 19:37

Tgt Ion: 75 Resp: 82

Ion Ratio Lower Upper

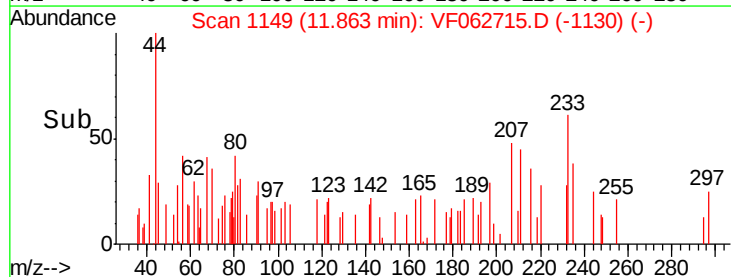
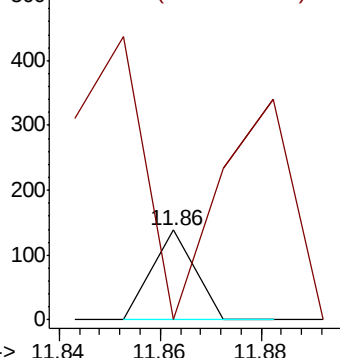
75 100

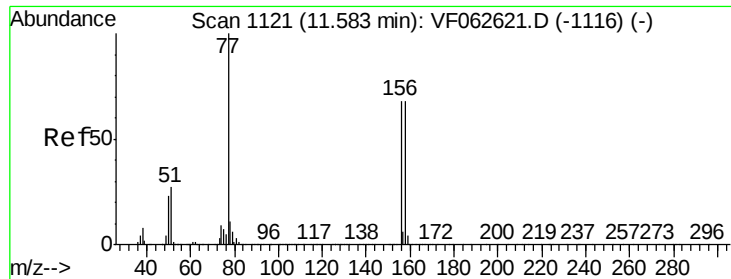
77 0.0 20.6 61.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 86.828 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. 0.09 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

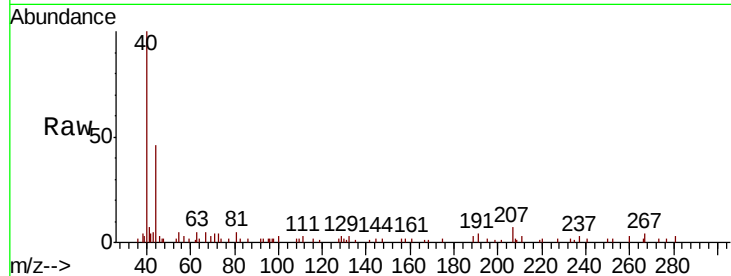
Tot Ion:156 Resp: 99

Ion Ratio Lower Upper

156 100

77 74.4 73.6 220.8

158 70.8 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

800

600

400

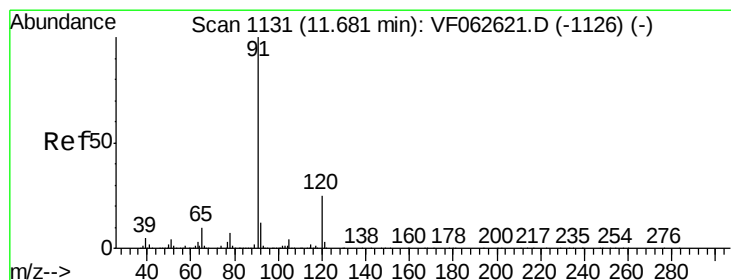
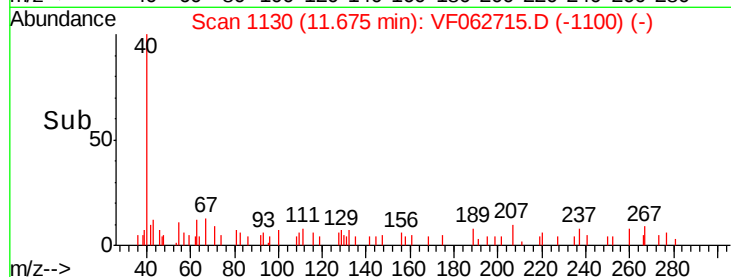
200

0

11.64 11.66 11.68 11.70

11.68

Time-->



#78

n-propylbenzene

Concen: 23.211 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062715.D

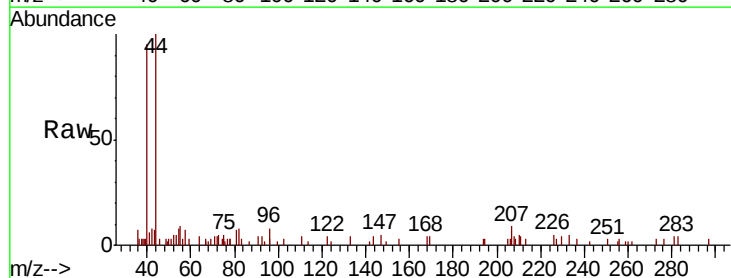
Acq: 22 May 2019 19:37

Tgt Ion: 91 Resp: 126

Ion Ratio Lower Upper

91 100

120 0.0 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

250

200

150

100

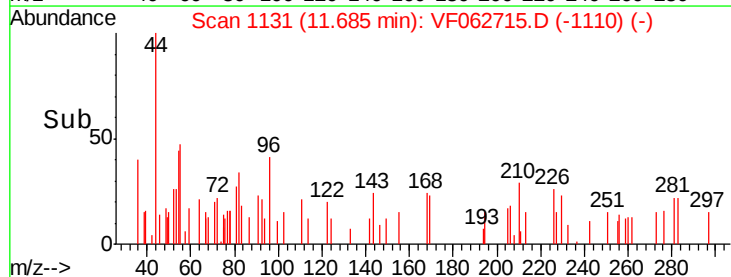
50

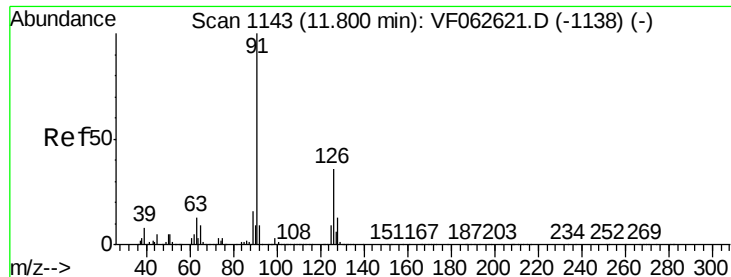
0

11.68 11.70

11.69

Time-->





#79

2-Chlorotoluene

Concen: 85.312 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

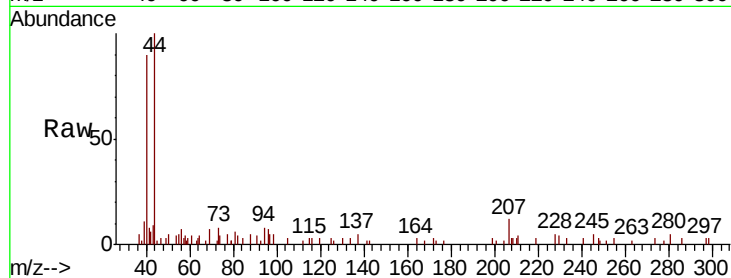
21-C5-20190409RE

Tot Ion: 91 Resp: 261

Ion Ratio Lower Upper

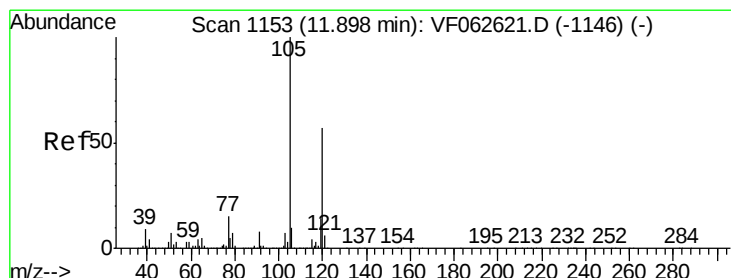
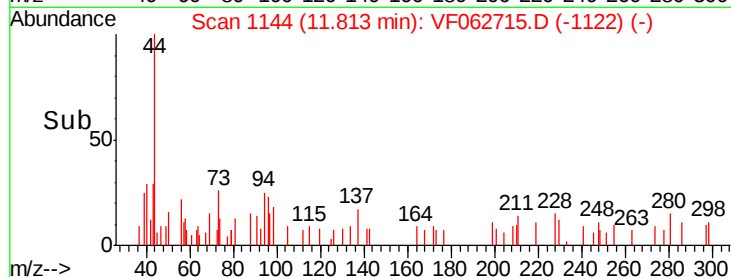
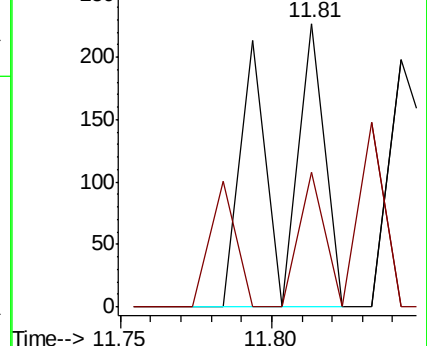
91 100

126 47.6 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 27.732 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.03 min

Lab File: VF062715.D

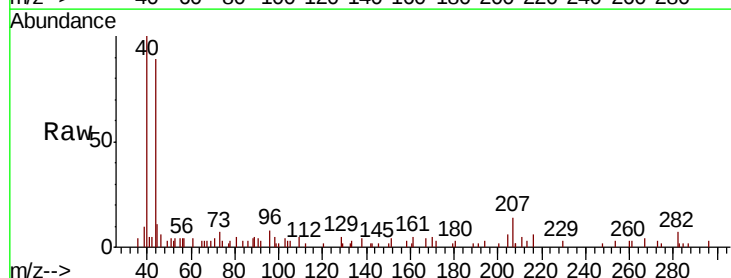
Acq: 22 May 2019 19:37

Tgt Ion: 105 Resp: 102

Ion Ratio Lower Upper

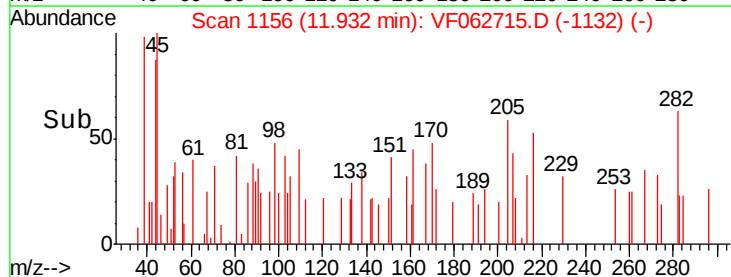
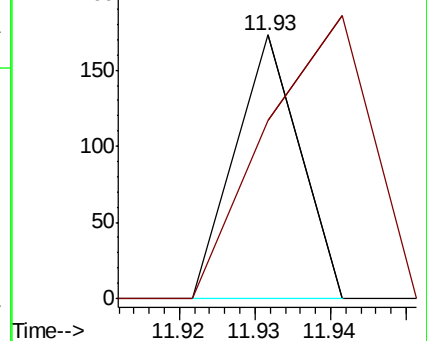
105 100

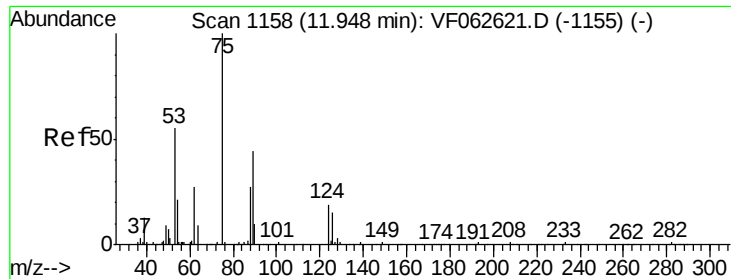
120 67.6 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 752.404 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

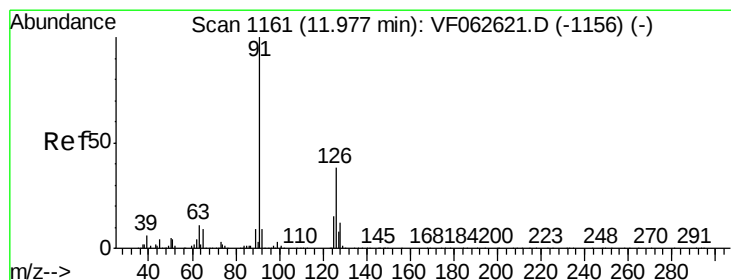
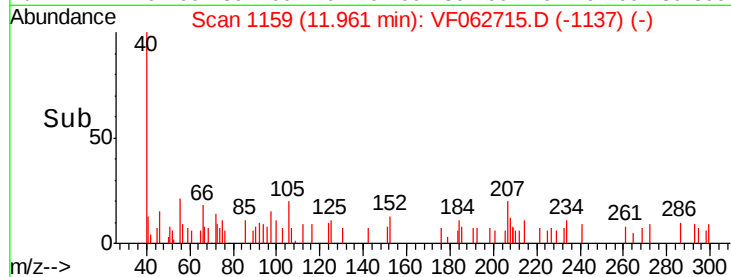
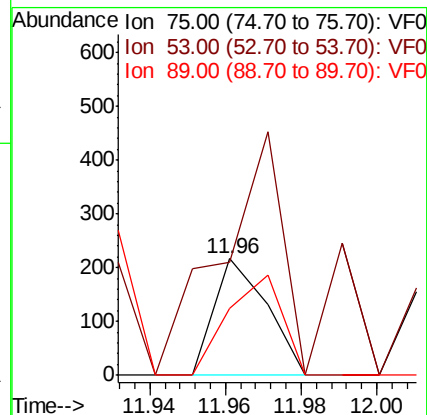
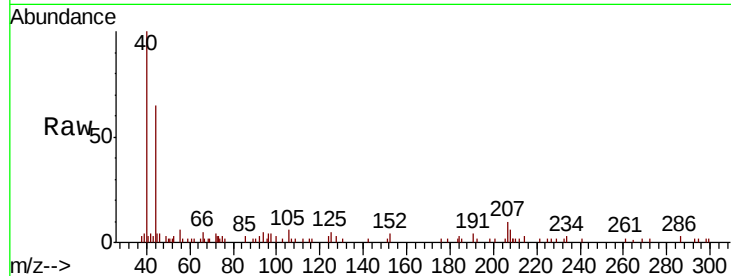
Tot Ion: 75 Resp: 206

Ion Ratio Lower Upper

75 100

53 96.8 46.9 70.3#

89 57.1 36.4 54.6#



#82

4-Chlorotoluene

Concen: 126.951 ug/l

RT: 12.04 min Scan# 1167

Delta R.T. 0.06 min

Lab File: VF062715.D

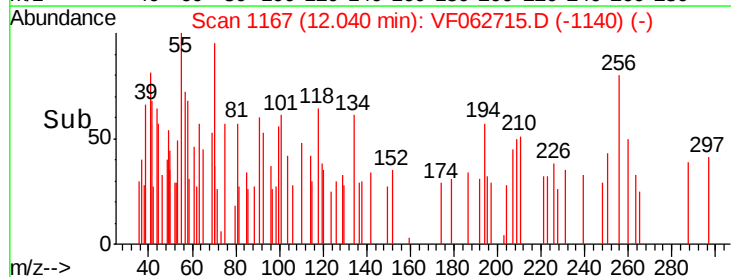
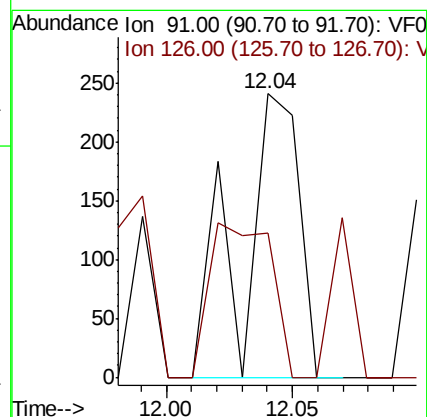
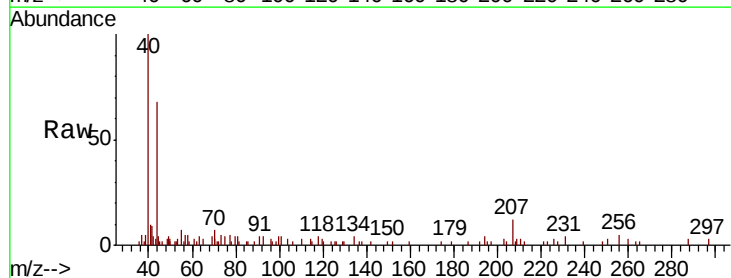
Acq: 22 May 2019 19:37

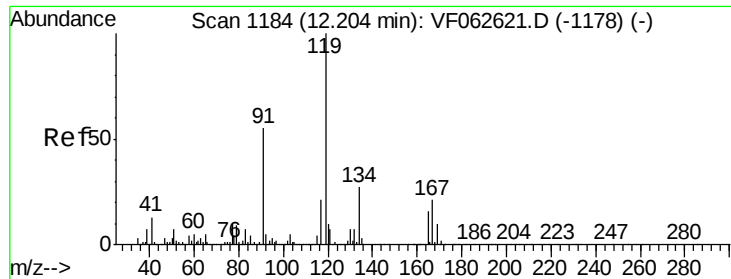
Tgt Ion: 91 Resp: 383

Ion Ratio Lower Upper

91 100

126 50.6 19.1 57.1





#83

tert-Butylbenzene

Concen: 75.035 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

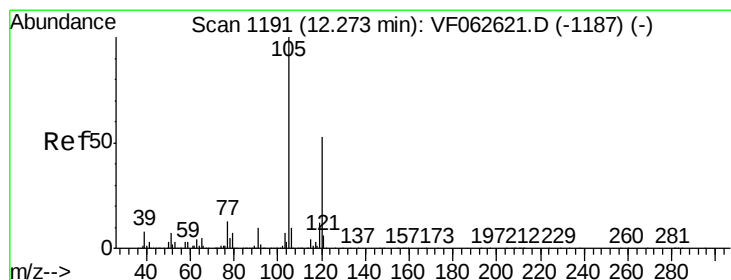
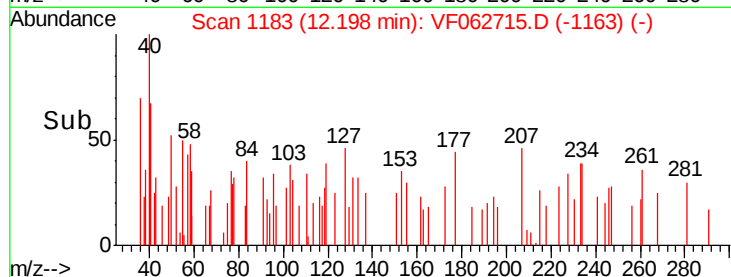
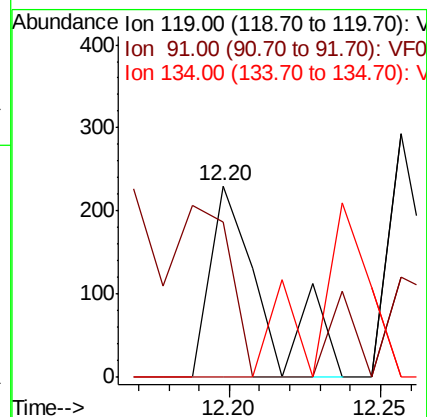
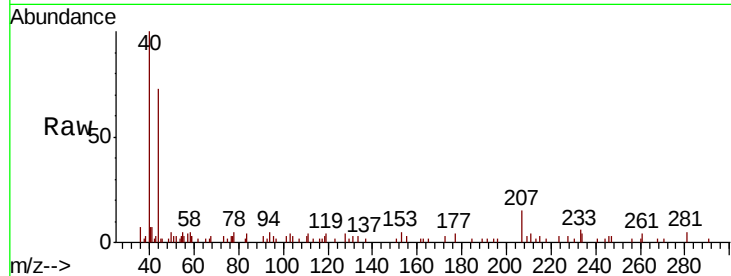
Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

Tot Ion:	119	Resp:	280
Ion	Ratio	Lower	Upper
119	100		
91	81.3	27.3	81.9
134	0.0	13.6	40.7#



#84

1,2,4-Trimethylbenzene

Concen: 56.182 ug/l

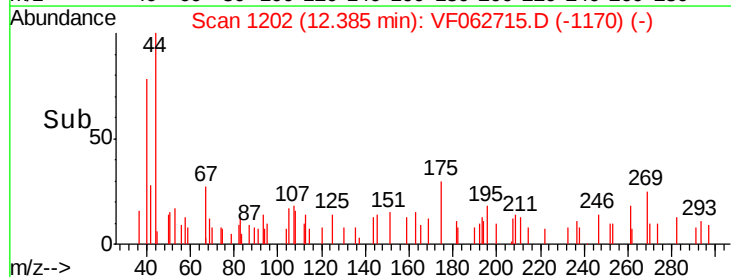
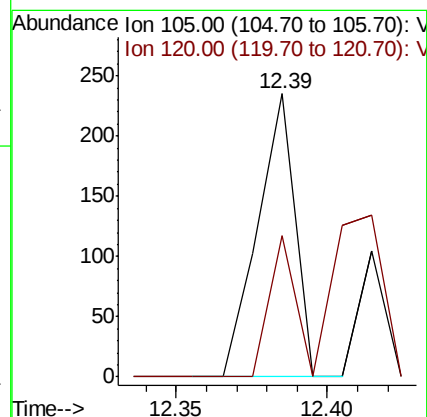
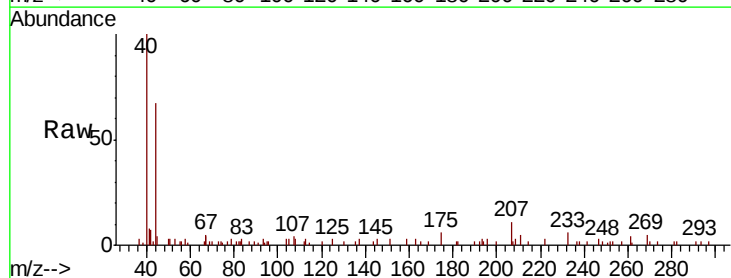
RT: 12.39 min Scan# 1202

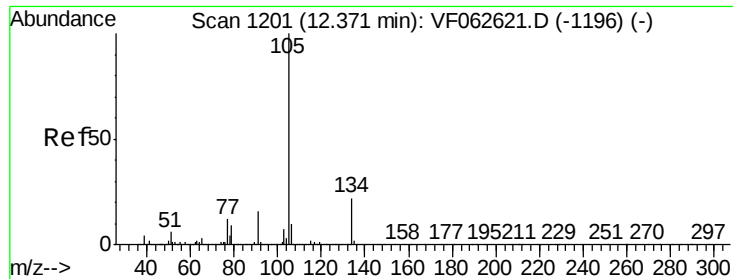
Delta R.T. 0.11 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion:	105	Resp:	200
Ion	Ratio	Lower	Upper
105	100		
120	49.8	26.7	80.1

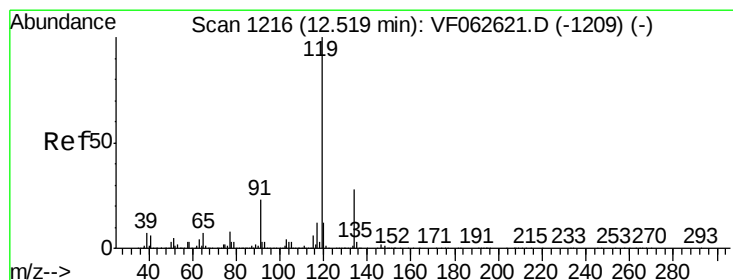
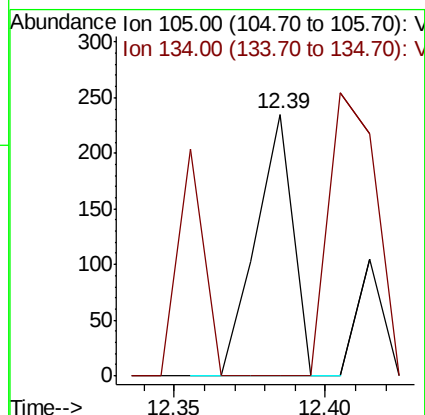
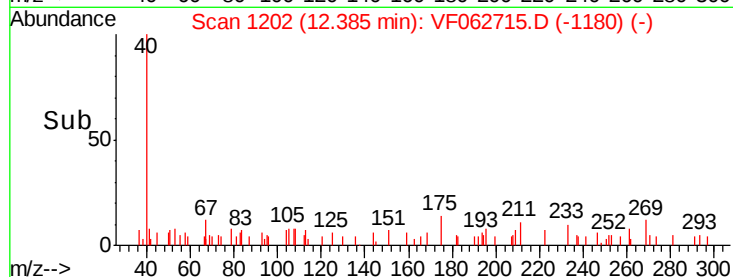
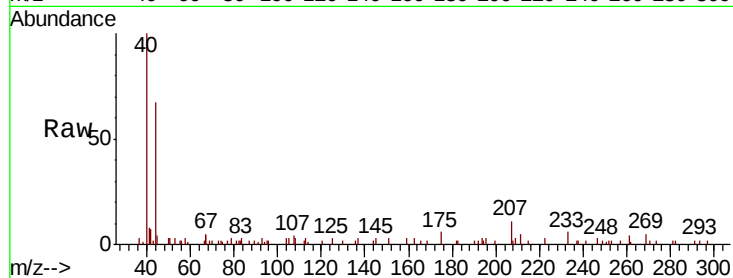




#85
 sec-Butylbenzene
 Concen: 39.937 ug/l
 RT: 12.39 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

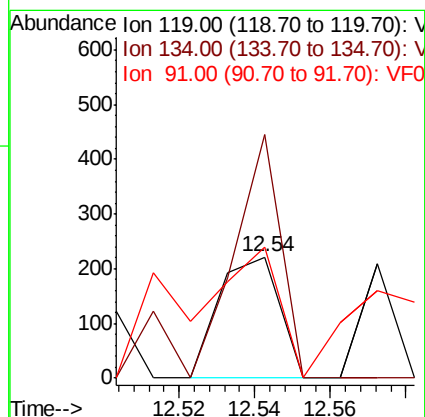
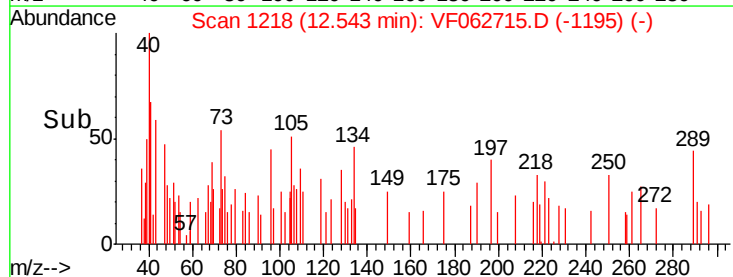
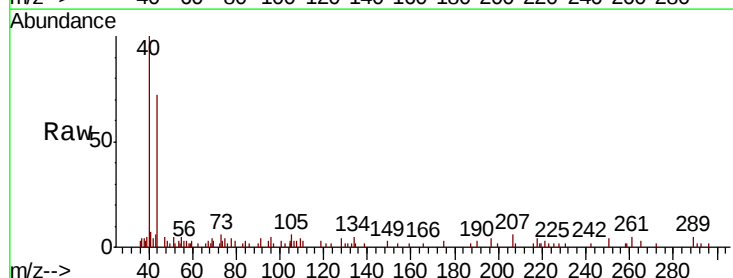
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

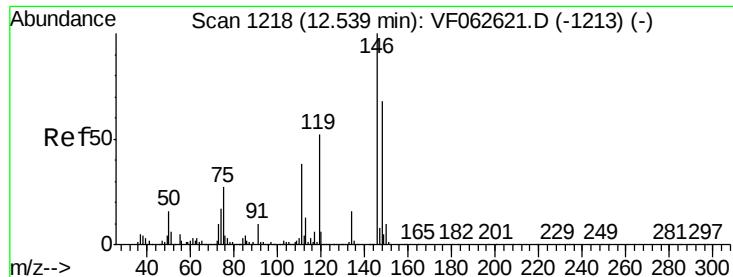
Tot Ion:105 Resp: 200
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 57.815 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.02 min
 Lab File: VF062715.D
 Acq: 22 May 2019 19:37

Tgt Ion:119 Resp: 244
 Ion Ratio Lower Upper
 119 100
 134 201.4 14.1 42.3#
 91 108.1 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 106.165 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.02 min

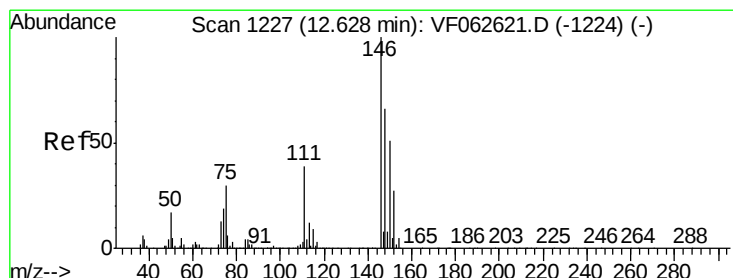
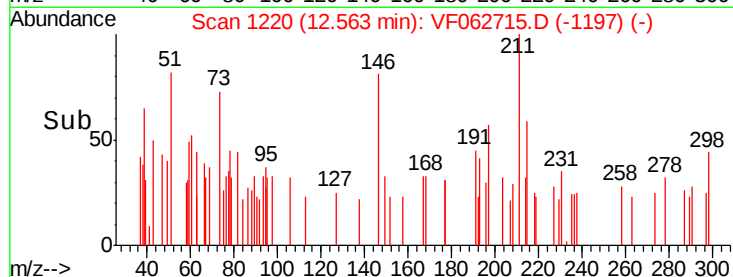
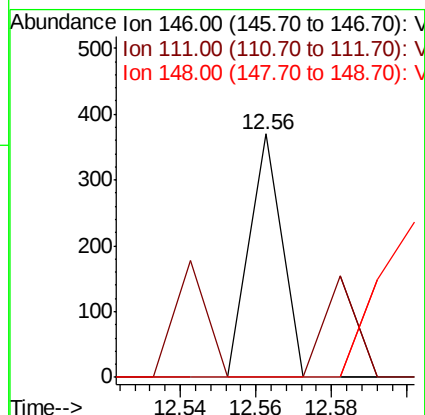
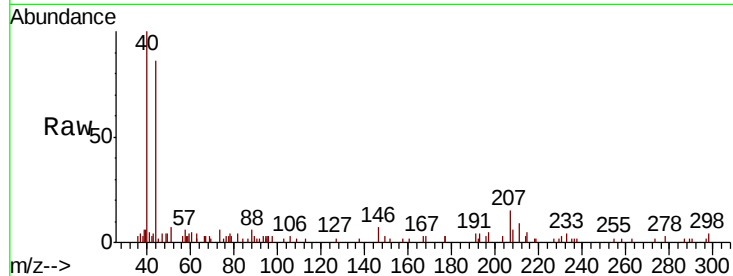
Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

Tot Ion:146 Resp: 219

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



#88

1,4-Dichlorobenzene

Concen: 64.056 ug/l

RT: 12.64 min Scan# 1228

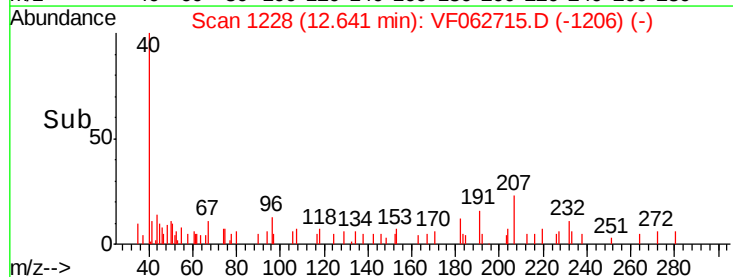
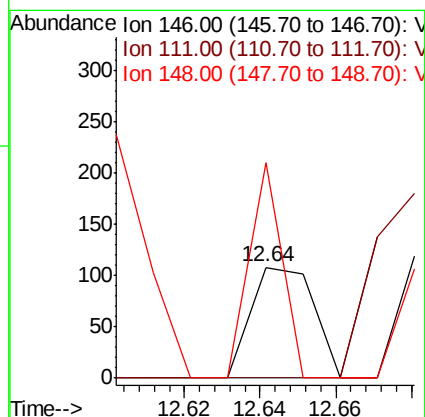
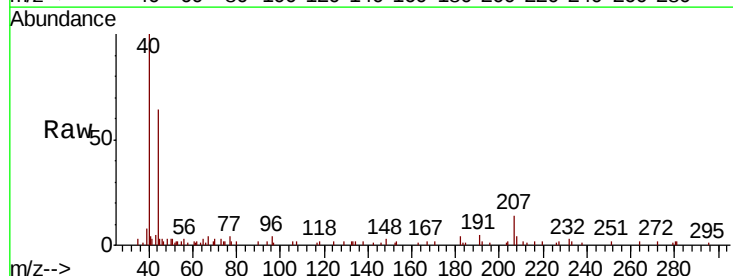
Delta R.T. 0.01 min

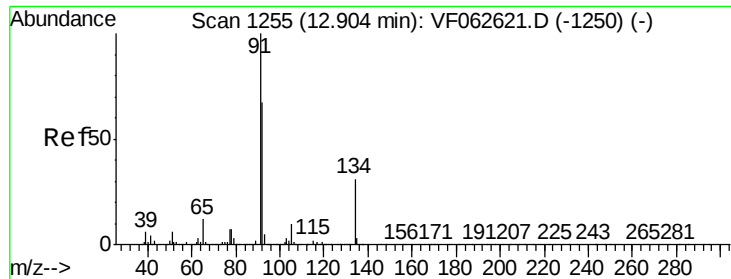
Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion:146 Resp: 124

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	194.4	33.2	99.6#

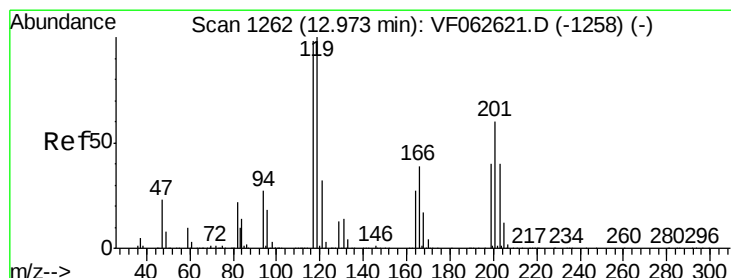
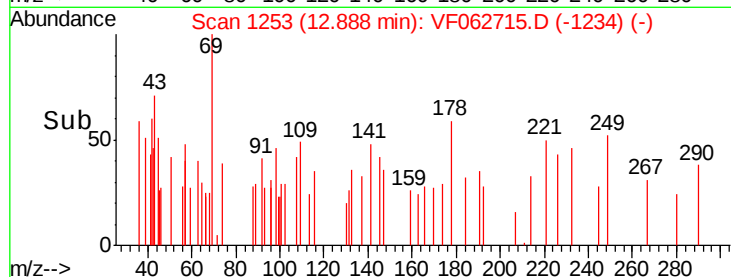
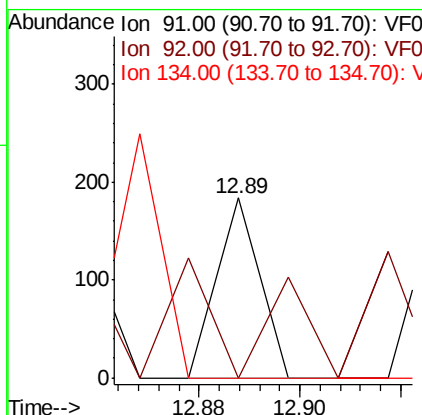
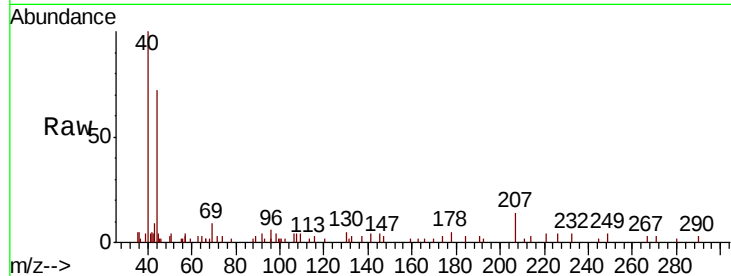




#89
n-Butylbenzene
Concen: 26.195 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

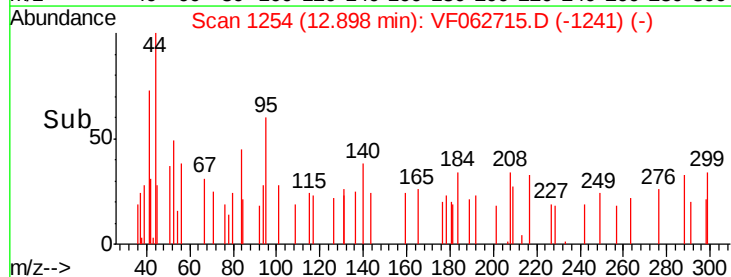
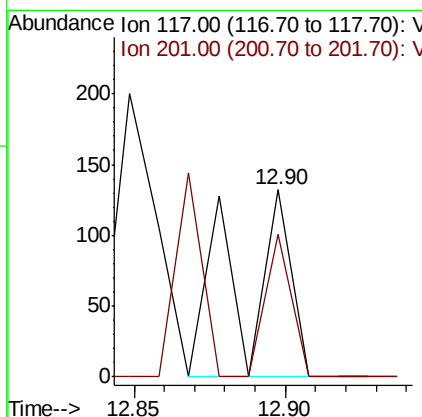
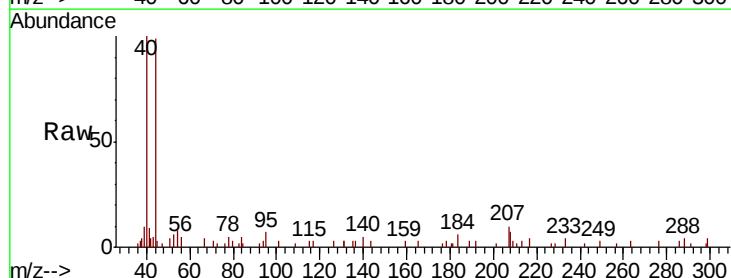
Instrument :
MSVOA_F
ClientSampleId :
21-C5-20190409RE

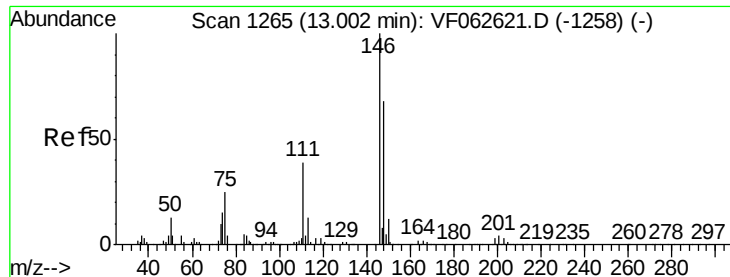
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	33.3	99.8#
134	0.0	15.4	46.4#



#90
Hexachloroethane
Concen: 152.112 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.08 min
Lab File: VF062715.D
Acq: 22 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 144.660 ug/l

RT: 13.06 min Scan# 1270

Delta R.T. 0.05 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

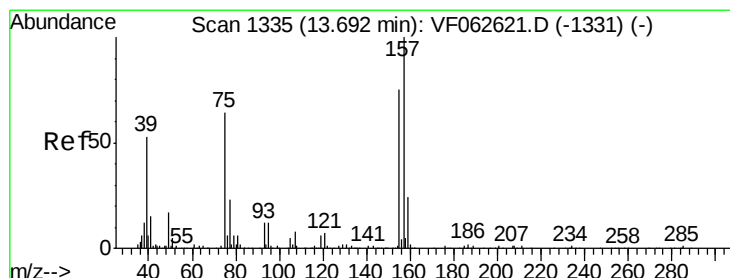
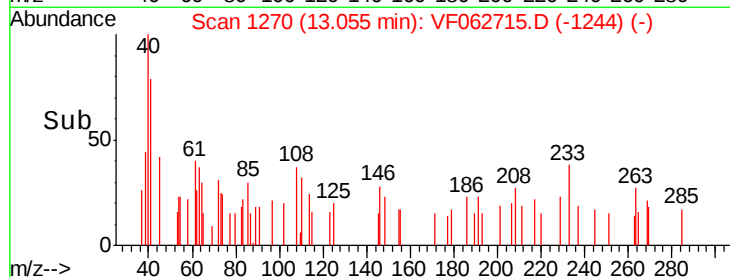
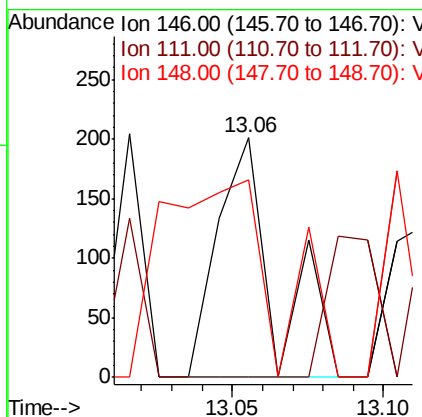
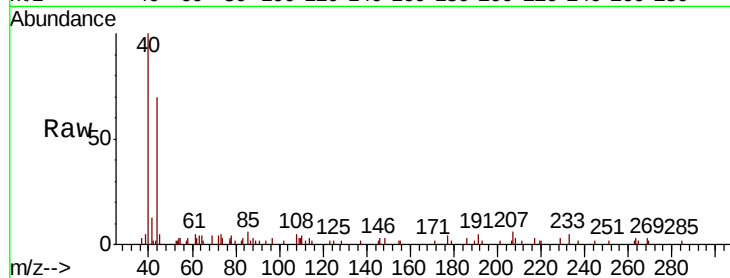
Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

Tot Ion:	146	Resp:	266
Ion	Ratio	Lower	Upper
146	100		
111	52.7	19.8	59.3
148	82.6	34.1	102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 2959.855 ug/l

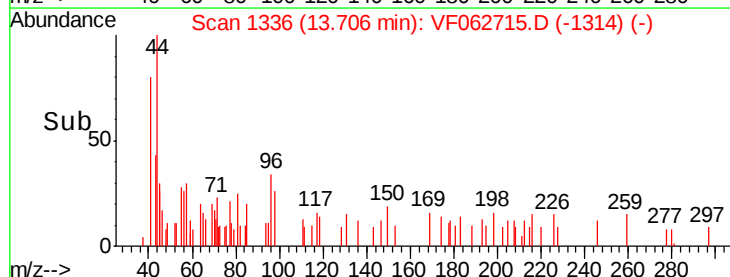
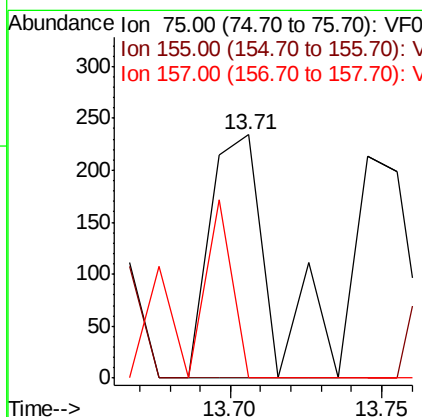
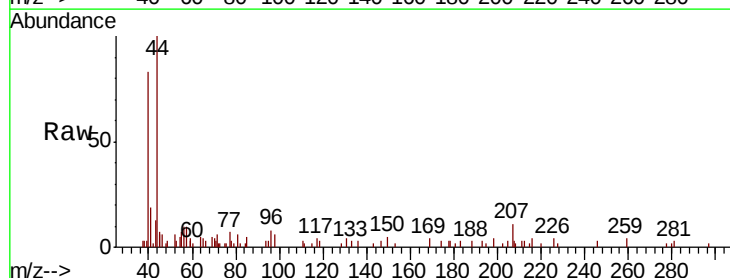
RT: 13.71 min Scan# 1336

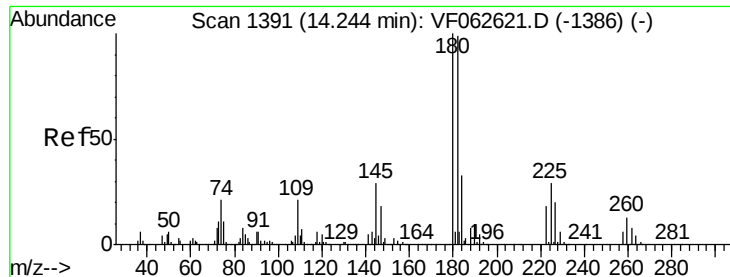
Delta R.T. 0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion:	75	Resp:	331
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	0.0	77.8	233.4#





#93

1,2,4-Trichlorobenzene

Concen: 54.703 ug/l

RT: 14.23 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

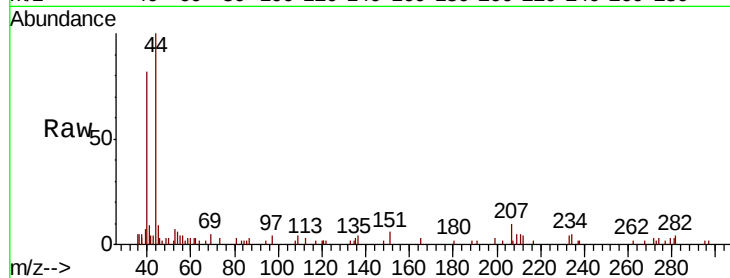
Tot Ion:180 Resp: 72

Ion Ratio Lower Upper

180 100

182 0.0 49.7 149.1#

145 0.0 14.6 44.0#

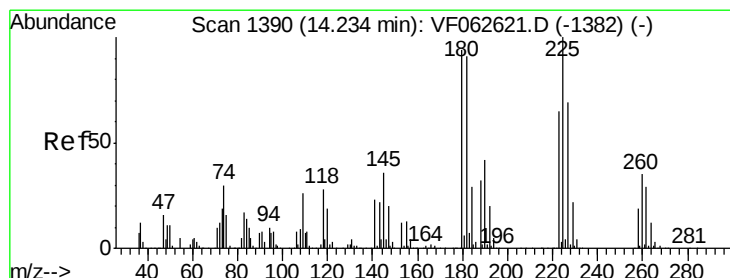
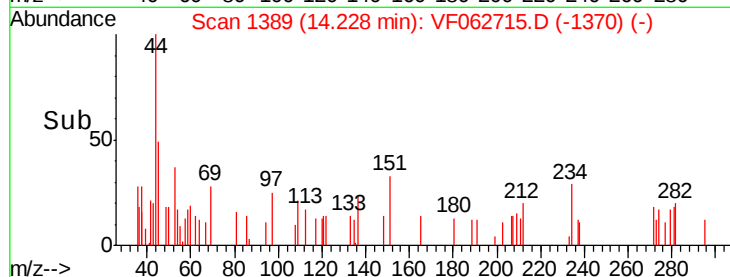
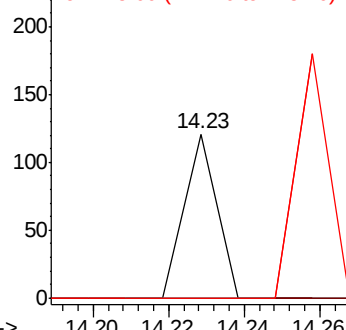


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 195.964 ug/l

RT: 14.28 min Scan# 1394

Delta R.T. 0.04 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

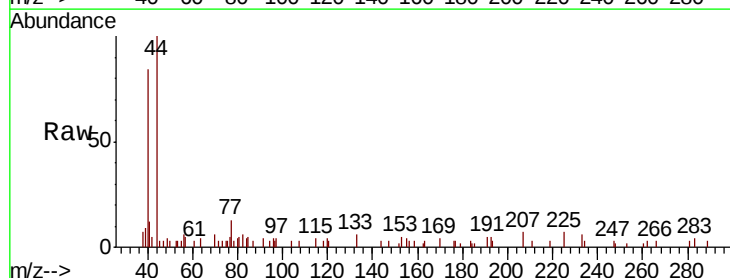
Tgt Ion:225 Resp: 180

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.4#

227 0.0 34.5 103.5#

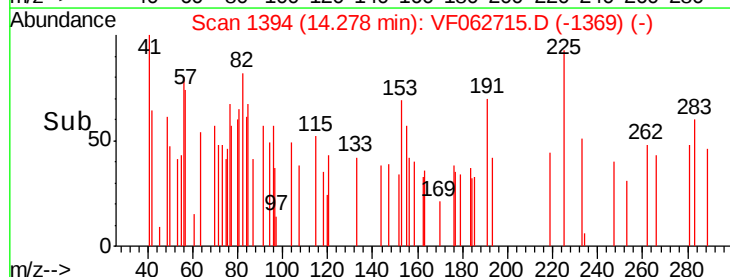
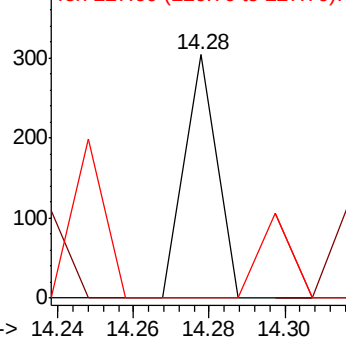


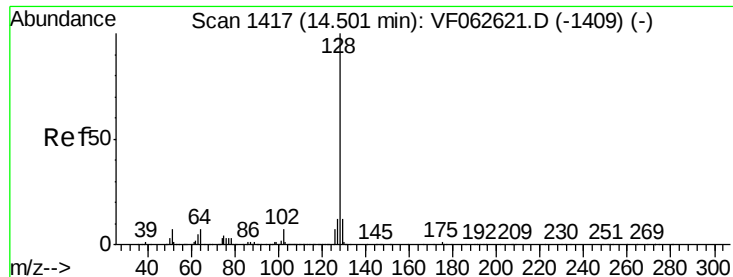
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 25.511 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

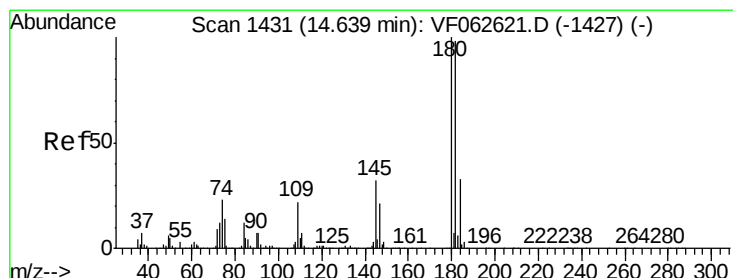
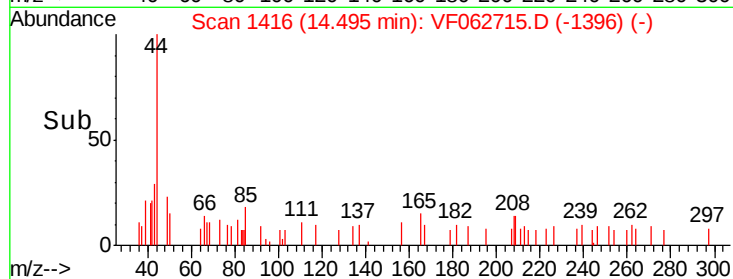
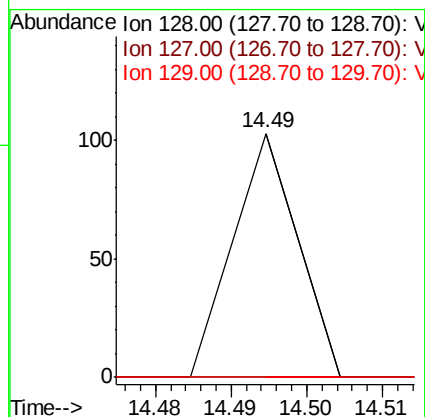
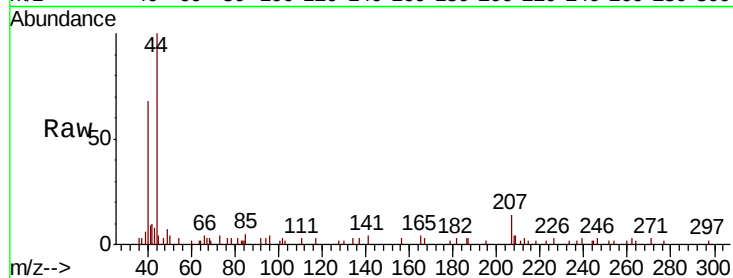
Instrument :

MSVOA_F

ClientSampleId :

21-C5-20190409RE

Tot Ion:	128	Resp:	61
Ion	Ratio	Lower	Upper
128	100		
127	100.0	9.7	14.5#
129	0.0	9.3	13.9#



#96

1,2,3-Trichlorobenzene

Concen: 109.888 ug/l

RT: 14.72 min Scan# 1439

Delta R.T. 0.08 min

Lab File: VF062715.D

Acq: 22 May 2019 19:37

Tgt Ion:	180	Resp:	137
Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.9	146.7#
145	0.0	16.1	48.2#

