

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062707.D
 Acq On : 22 May 2019 15:53
 Operator : FY/SY
 Sample : K2993-17RE
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 23 01:22:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	553	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	183	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.85	117	61	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.74	152	167	50.00	ug/l	0.12

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	216	55.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.54%	
35) Dibromofluoromethane	4.27	113	230	164.25	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	328.50%	
50) Toluene-d8	7.69	98	428	128.01	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	256.02%	
62) 4-Bromofluorobenzene	11.37	95	143	112.77	ug/l	-0.13
Spiked Amount	50.000		Recovery	=	225.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	156	20.730	ug/l #	1
3) Chloromethane	1.14	50	190	27.420	ug/l	94
4) Vinyl Chloride	1.20	62	392	61.457	ug/l	93
5) Bromomethane	1.33	94	289	82.822	ug/l	96
6) Chloroethane	1.42	64	242	103.305	ug/l #	72
7) Trichlorofluoromethane	1.55	101	165	19.266	ug/l #	21
8) Diethyl Ether	1.70	74	265	156.189	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	177	32.457	ug/l #	19
10) Methyl Iodide	1.99	142	106	9.895	ug/l #	37
11) Tert butyl alcohol	2.71	59	322	1248.090	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	865	174.123	ug/l #	10
13) Acrolein	2.13	56	685	2543.544	ug/l #	53
14) Allyl chloride	2.20	41	774	172.150	ug/l #	58
15) Acrylonitrile	3.09	53	588	807.962	ug/l #	56
16) Acetone	2.32	43	296	291.970	ug/l	97
17) Carbon Disulfide	1.90	76	483	32.803	ug/l #	1
18) Methyl Acetate	2.51	43	585	367.203	ug/l	99
19) Methyl tert-butyl Ether	2.38	73	763	85.918	ug/l	98
20) Methylene Chloride	2.33	84	251	49.394	ug/l #	19
21) trans-1,2-Dichloroethene	2.42	96	918	189.061	ug/l #	1
22) Diisopropyl ether	2.93	45	639	57.624	ug/l #	33
23) Vinyl Acetate	3.35	43	913	122.052	ug/l #	73
24) 1,1-Dichloroethane	2.99	63	144	17.701	ug/l #	86
25) 2-Butanone	4.50	43	542	250.233	ug/l #	50
26) 2,2-Dichloropropane	3.74	77	698	149.962	ug/l	79
27) cis-1,2-Dichloroethene	3.64	96	1106	138.476	ug/l	1
28) Bromochloromethane	3.89	49	63	13.808	ug/l #	3
29) Tetrahydrofuran	4.29	42	1225	1397.608	ug/l #	68
30) Chloroform	4.16	83	102	9.031	ug/l	93
31) Cyclohexane	3.87	56	950	86.974	ug/l #	38
32) 1,1,1-Trichloroethane	4.27	97	447	59.592	ug/l #	19
36) 1,1-Dichloropropene	4.43	75	838	446.889	ug/l #	79
37) Ethyl Acetate	4.28	43	1703	2224.280	ug/l #	31
38) Carbon Tetrachloride	4.20	117	361	255.977	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	161	71.355	ug/l #	1
40) Benzene	4.81	78	373	73.015	ug/l #	1
41) Methacrylonitrile	4.93	41	928	2311.883	ug/l #	41
42) 1,2-Dichloroethane	5.15	62	464	455.474	ug/l	71
43) Isopropyl Acetate	7.07	43	1035	1043.434	ug/l #	43
44) Trichloroethene	5.68	130	154	107.259	ug/l	97
45) 1,2-Dichloropropane	6.37	63	530	410.990	ug/l #	42
46) Dibromomethane	6.26	93	429	575.625	ug/l #	28
47) Bromodichloromethane	6.50	83	187	120.863	ug/l #	25
48) Methyl methacrylate	6.87	41	1559	3006.995	ug/l #	44
49) 1,4-Dioxane	6.81	88	68	10240.391	ug/l #	25
51) 4-Methyl-2-Pentanone	8.21	43	1385	2042.733	ug/l	93
52) Toluene	7.61	92	180	67.186	ug/l	82
53) t-1,3-Dichloropropene	8.39	75	234	184.864	ug/l #	1
54) cis-1,3-Dichloropropene	7.41	75	442	249.450	ug/l #	3
55) 1,1,2-Trichloroethane	8.59	97	207	260.950	ug/l #	15
56) Ethyl methacrylate	8.68	69	895	947.024	ug/l	90
57) 1,3-Dichloropropane	8.95	76	63	46.627	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.44	63	682	2217.025	ug/l #	51
59) 2-Hexanone	9.59	43	653	1574.770	ug/l	86
60) Dibromochloromethane	8.91	129	84	81.248	ug/l	92
61) 1,2-Dibromoethane	9.07	107	633	751.284	ug/l #	49
64) Tetrachloroethene	8.30	164	120	248.314	ug/l #	1
65) Chlorobenzene	9.94	112	260	217.010	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.09	131	68	141.380	ug/l #	23
67) Ethyl Benzene	10.04	91	141	67.744	ug/l #	42
68) m/p-Xylenes	10.21	106	79	100.989	ug/l #	43
69) o-Xylene	10.81	106	86	106.734	ug/l #	1
70) Styrene	10.90	104	377	307.836	ug/l #	13
71) Bromoform	10.90	173	85	352.859	ug/l #	53
73) Isopropylbenzene	11.22	105	71	5.932	ug/l #	1
74) N-amyl acetate	11.47	43	1614	588.052	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.75	83	101	41.291	ug/l #	23
76) 1,2,3-Trichloropropane	11.87	75	393	244.522	ug/l #	1
77) Bromobenzene	11.45	156	237	79.660	ug/l	80
78) n-propylbenzene	11.68	91	463	32.686	ug/l #	50
79) 2-Chlorotoluene	11.80	91	278	34.824	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	101	10.524	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.98	75	362	506.706	ug/l #	88
82) 4-Chlorotoluene	11.97	91	556	70.628	ug/l	81
83) tert-Butylbenzene	12.19	119	79	8.113	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.12	105	447	48.121	ug/l	76
85) sec-Butylbenzene	12.39	105	123	9.413	ug/l #	3
86) p-Isopropyltoluene	12.52	119	66	5.993	ug/l #	1
87) 1,3-Dichlorobenzene	12.54	146	72	13.376	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	75	14.848	ug/l #	24
89) n-Butylbenzene	12.89	91	79	7.276	ug/l #	25
90) Hexachloroethane	12.96	117	323	122.267	ug/l #	20
91) 1,2-Dichlorobenzene	13.02	146	146	30.429	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.70	75	125	428.367	ug/l #	1

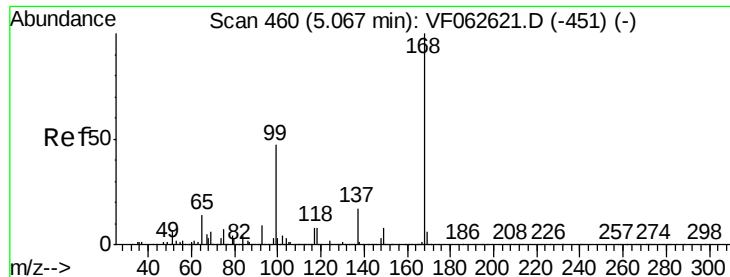
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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	190	55.322	ug/l #	1
94) Hexachlorobutadiene	14.17	225	70	29.206	ug/l #	32
95) Naphthalene	14.54	128	69	11.059	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	99	30.432	ug/l #	11

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

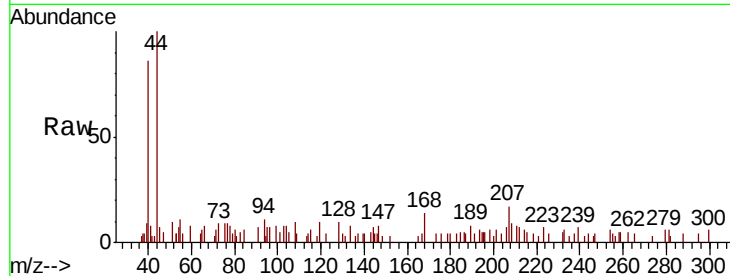


#1

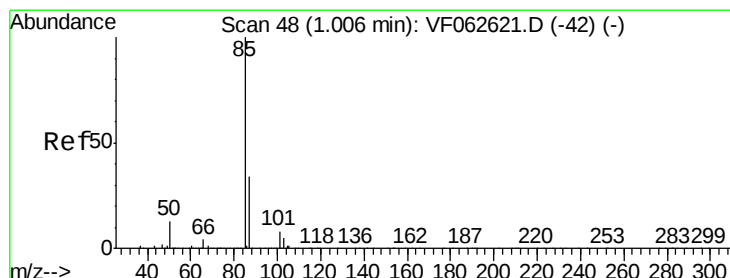
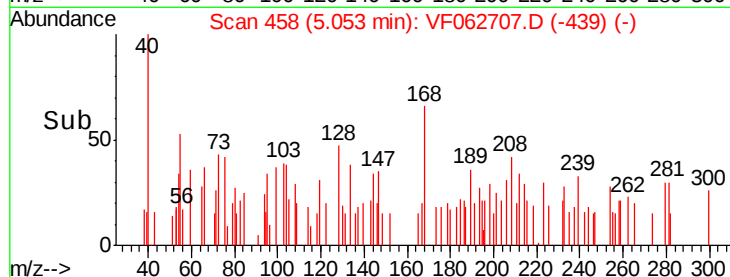
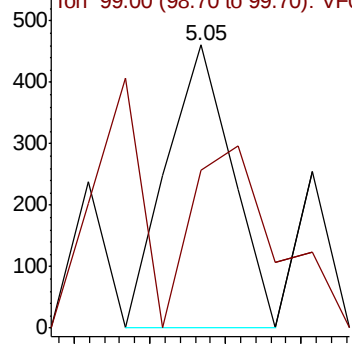
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 553
Ion Ratio Lower Upper
168 100
99 55.7 37.8 56.8



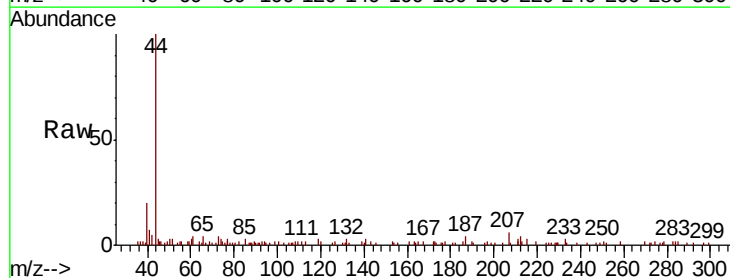
Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0



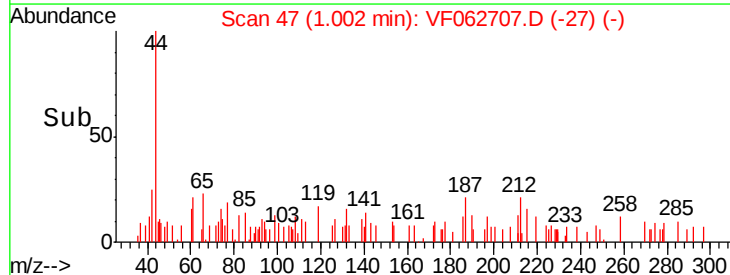
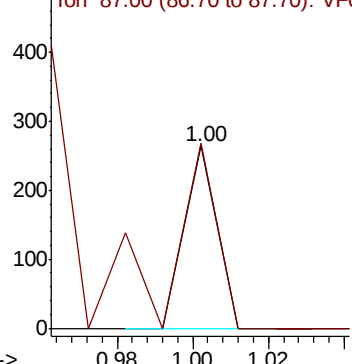
#2

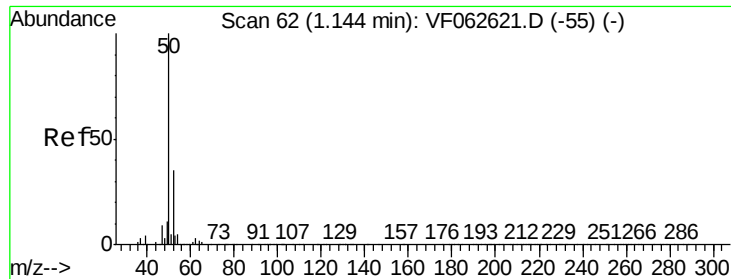
Dichlorodifluoromethane
Concen: 20.730 ug/l
RT: 1.00 min Scan# 47
Delta R.T. -0.00 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 85 Resp: 156
Ion Ratio Lower Upper
85 100
87 101.5 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0
Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 27.420 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

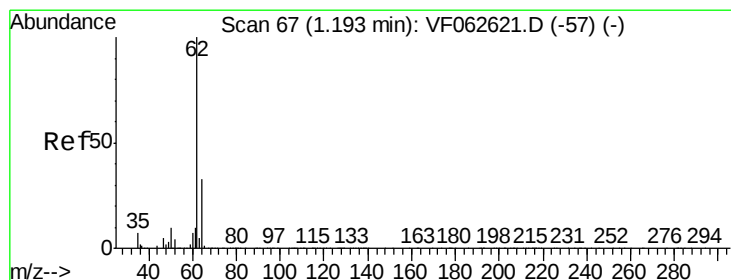
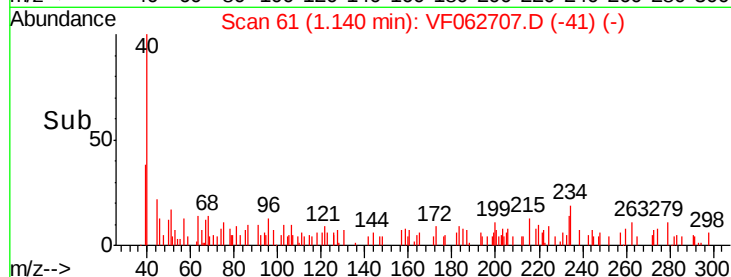
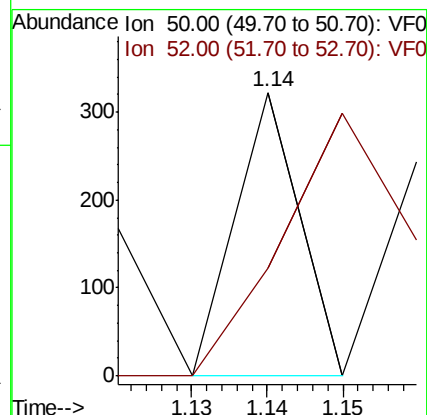
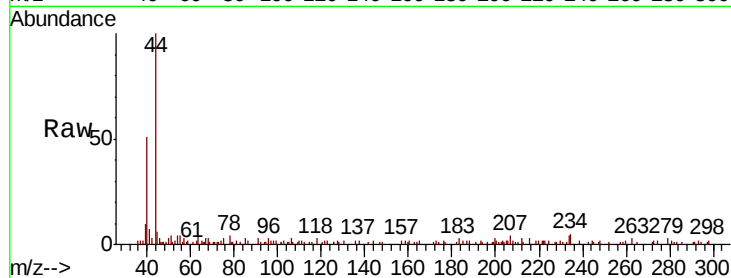
ClientSampleId :

Tot Ion: 50 Resp: 190

Ion Ratio Lower Upper

50 100

52 37.9 27.5 41.3



#4

Vinyl Chloride

Concen: 61.457 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062707.D

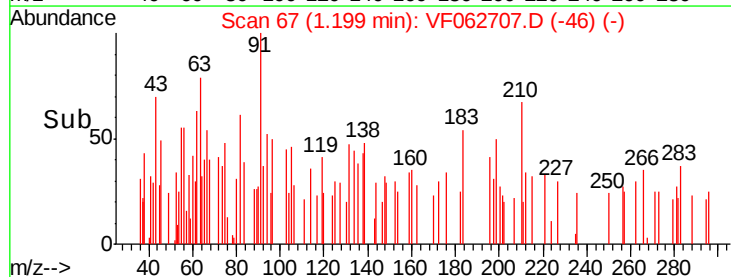
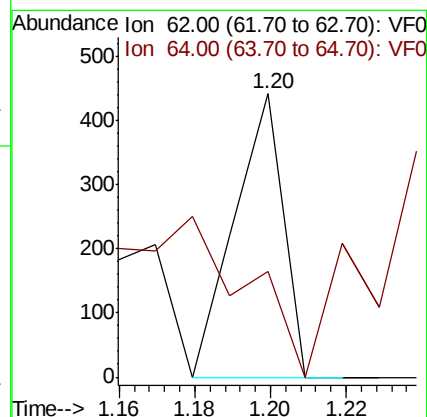
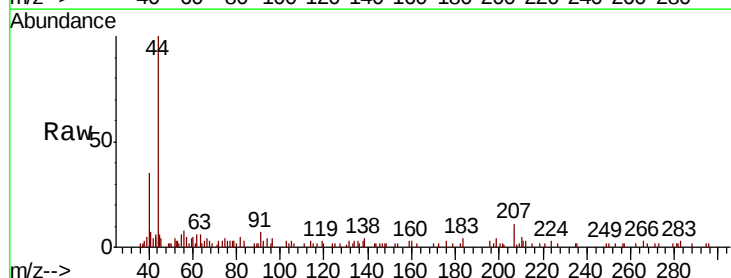
Acq: 22 May 2019 15:53

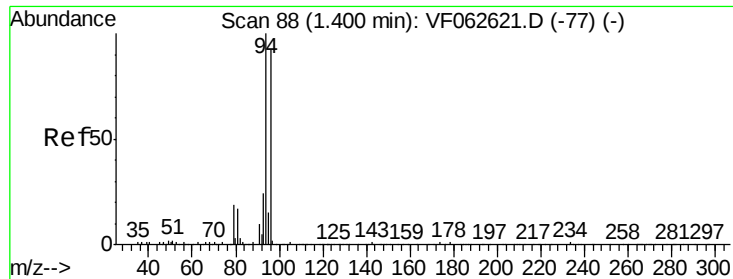
Tgt Ion: 62 Resp: 392

Ion Ratio Lower Upper

62 100

64 37.4 26.7 40.1





#5

Bromomethane

Concen: 82.822 ug/l

RT: 1.33 min Scan# 80

Delta R.T. -0.07 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

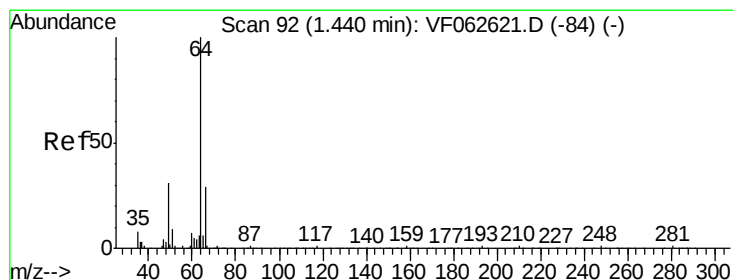
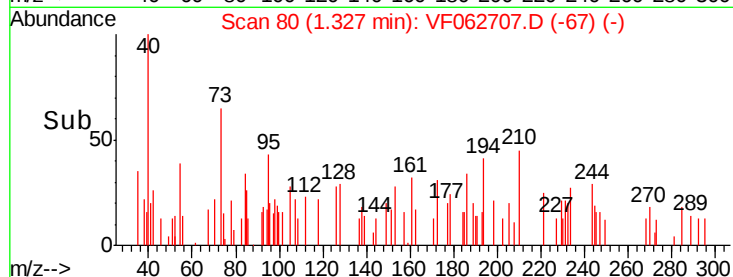
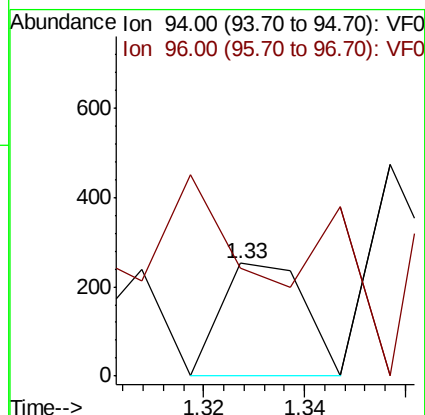
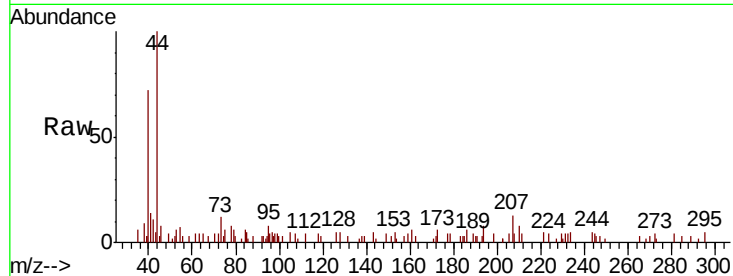
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 289

Ion Ratio Lower Upper

94 100

96 95.6 73.2 109.8



#6

Chloroethane

Concen: 103.305 ug/l

RT: 1.42 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF062707.D

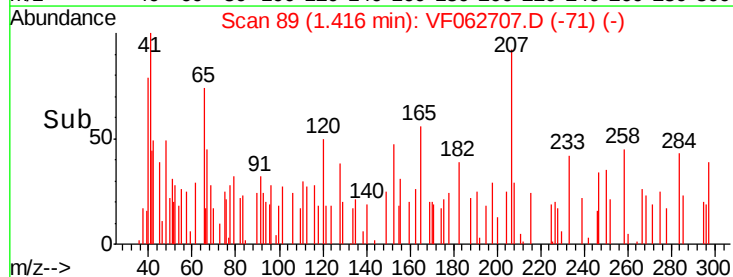
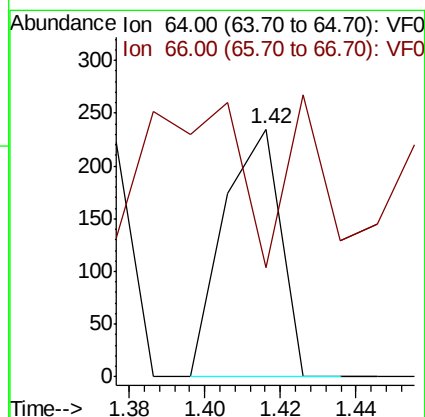
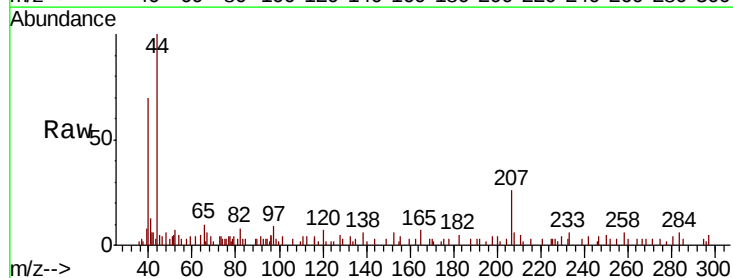
Acq: 22 May 2019 15:53

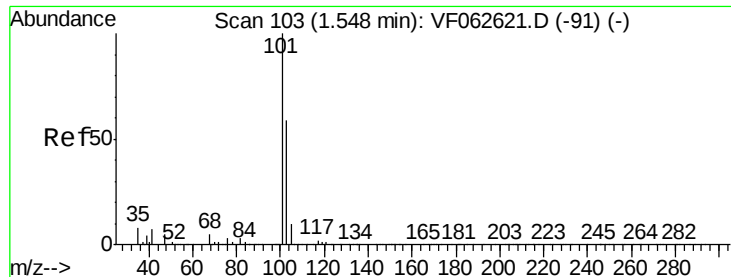
Tgt Ion: 64 Resp: 242

Ion Ratio Lower Upper

64 100

66 44.3 23.4 35.2#



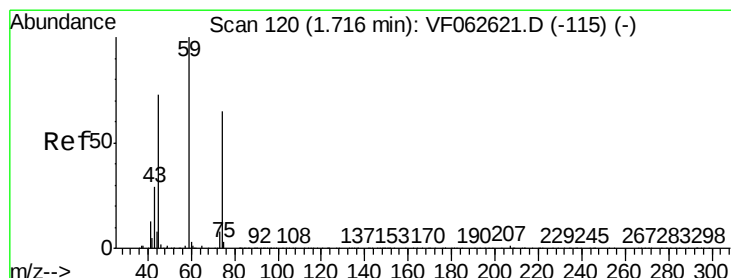
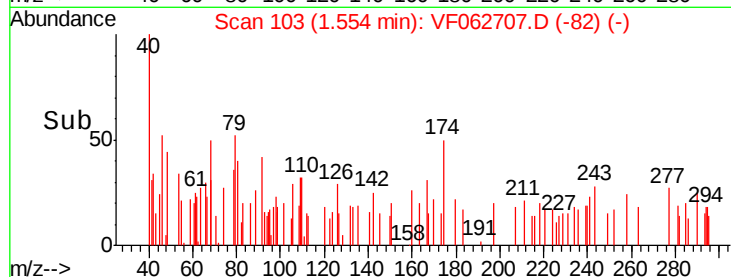
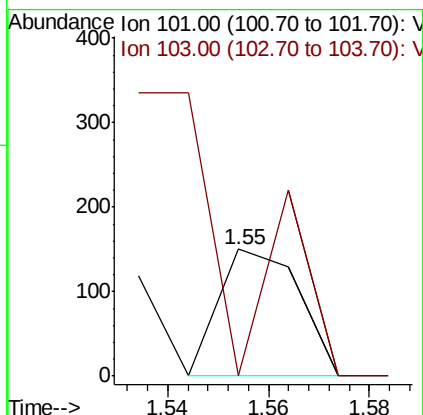
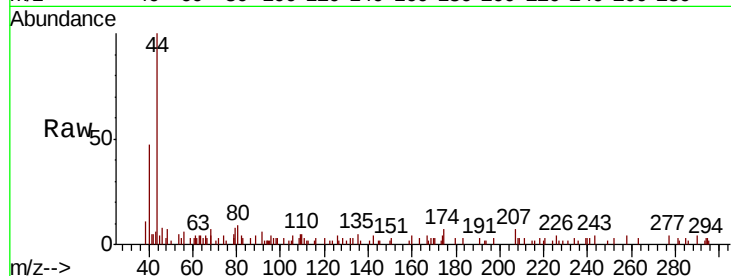


#7

Trichlorofluoromethane
Concen: 19.266 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampleId :

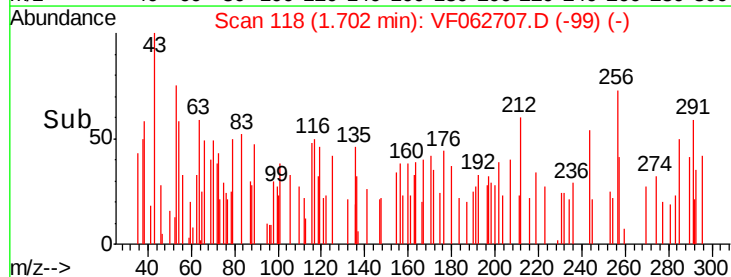
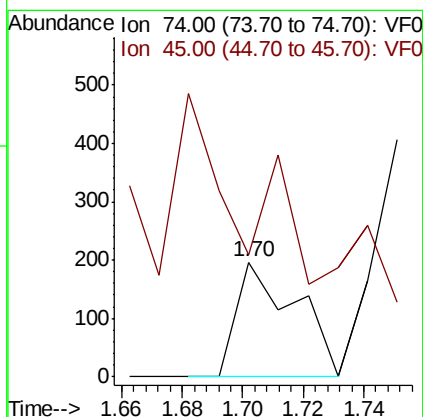
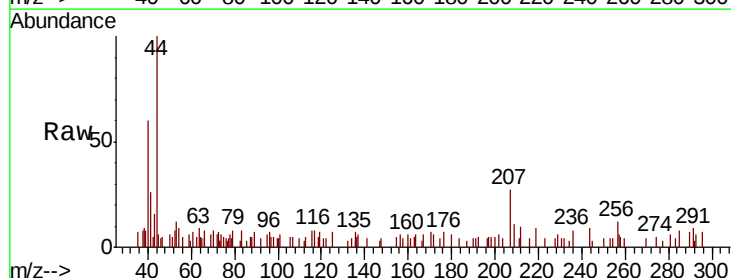
Tot Ion:101 Resp: 165
Ion Ratio Lower Upper
101 100
103 0.0 47.3 70.9#

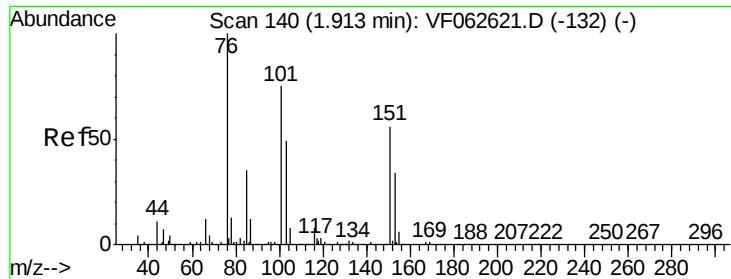


#8

Diethyl Ether
Concen: 156.189 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 74 Resp: 265
Ion Ratio Lower Upper
74 100
45 106.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 32.457 ug/l

RT: 1.91 min Scan# 139

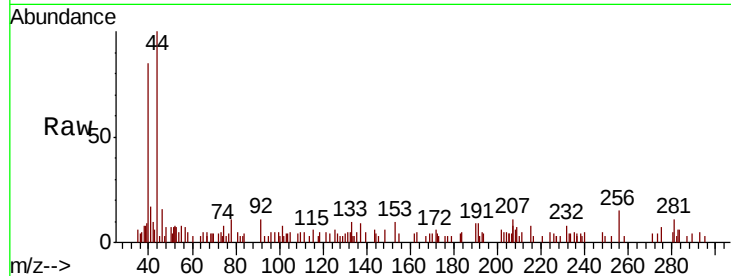
Delta R.T. -0.00 min

Lab File: VF062707.D

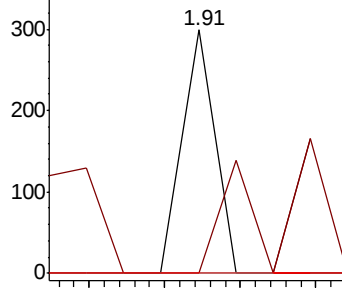
Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampled :

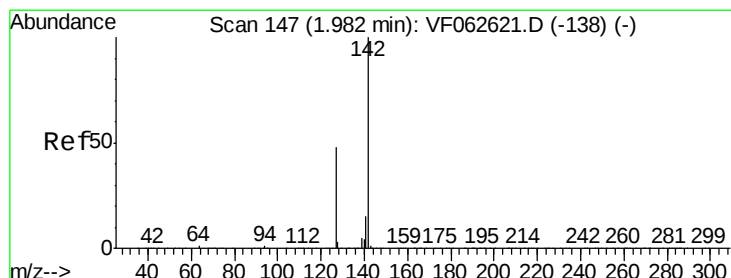
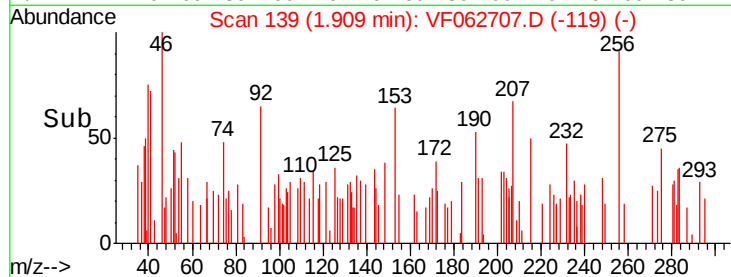
Tot Ion:	101	Resp:	177
Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.1	55.7#
151	0.0	58.8	88.2#



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



Time-->



#10

Methyl Iodide

Concen: 9.895 ug/l

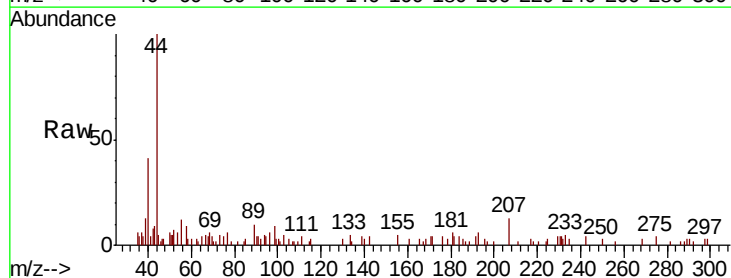
RT: 1.99 min Scan# 147

Delta R.T. 0.01 min

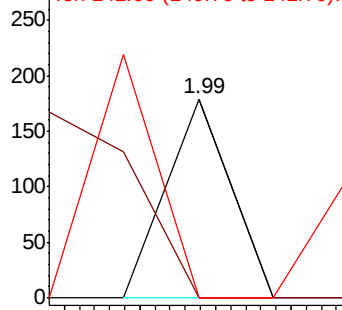
Lab File: VF062707.D

Acq: 22 May 2019 15:53

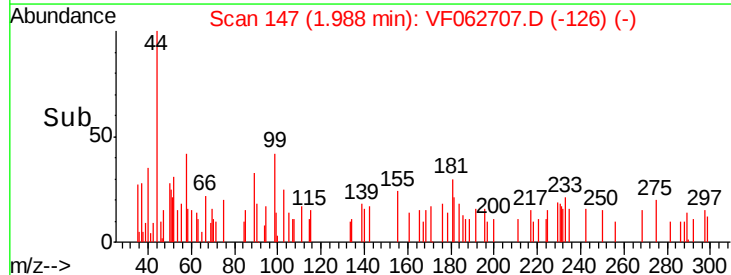
Tgt Ion:	142	Resp:	106
Ion	Ratio	Lower	Upper
142	100		
127	0.0	38.1	57.1#
141	0.0	11.7	17.5#

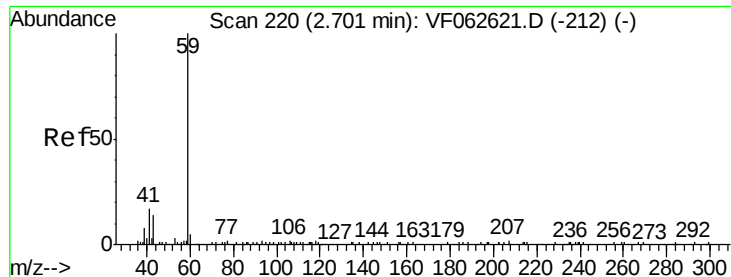


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



Time-->



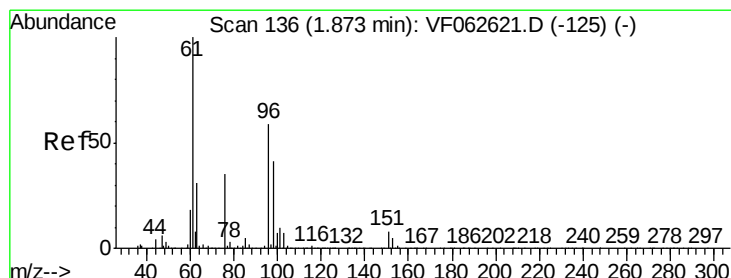
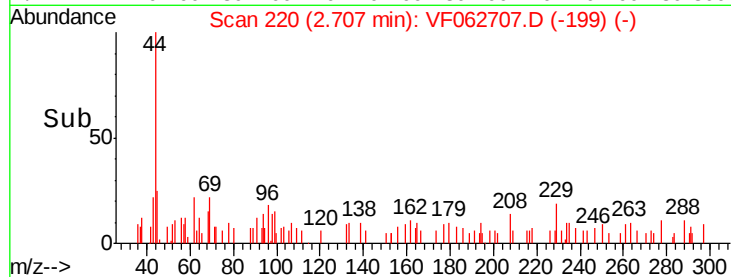
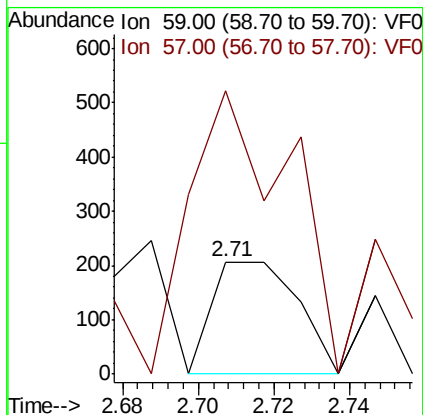
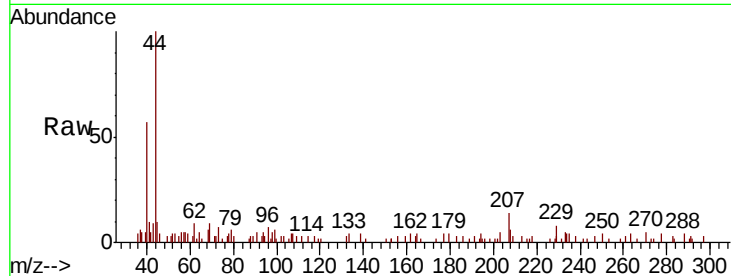


#11

Tert butyl alcohol
 Concen: 1248.090 ug/l
 RT: 2.71 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Instrument :
 MSVOA_F
 ClientSampled :

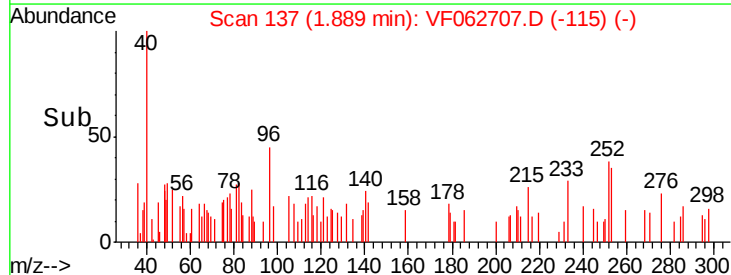
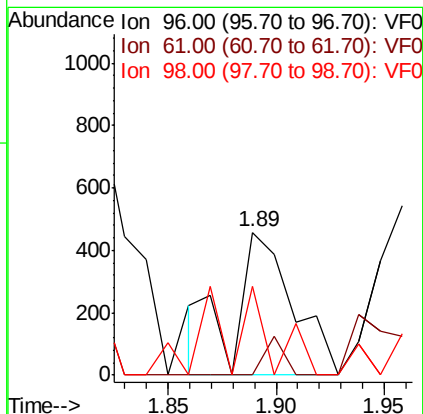
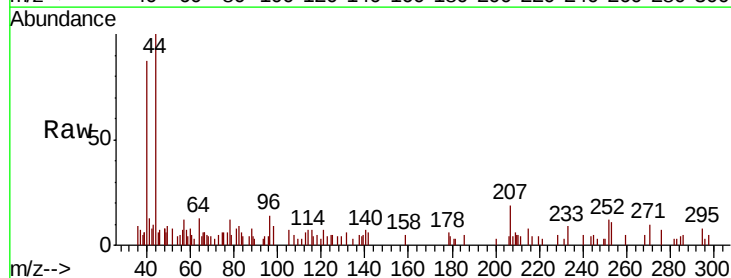
Tot Ion: 59 Resp: 322
 Ion Ratio Lower Upper
 59 100
 57 253.4 9.3 13.9#

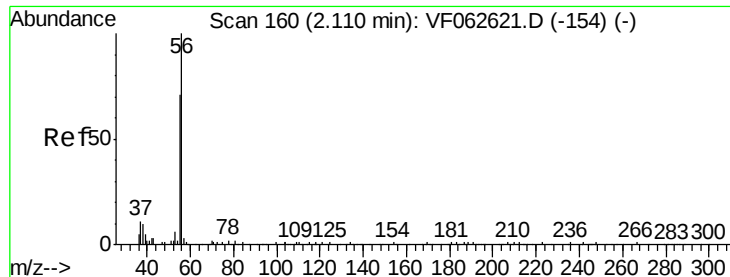


#12

1,1-Dichloroethene
 Concen: 174.123 ug/l
 RT: 1.89 min Scan# 137
 Delta R.T. 0.02 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Tgt Ion: 96 Resp: 865
 Ion Ratio Lower Upper
 96 100
 61 0.0 134.3 201.5#
 98 62.1 55.0 82.6





#13

Acrolein

Concen: 2543.544 ug/l

RT: 2.13 min Scan# 161

Delta R.T. 0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

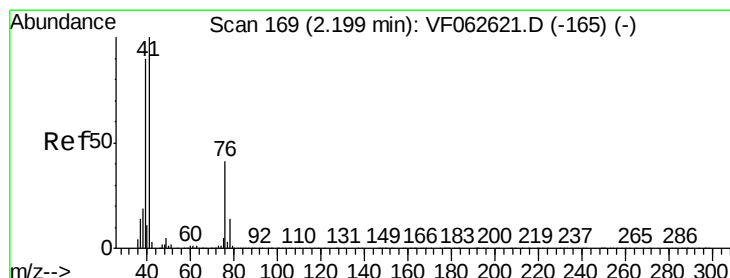
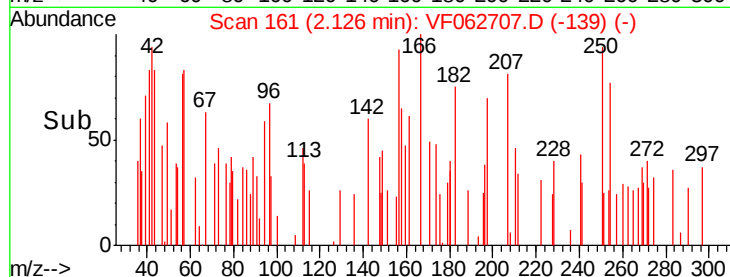
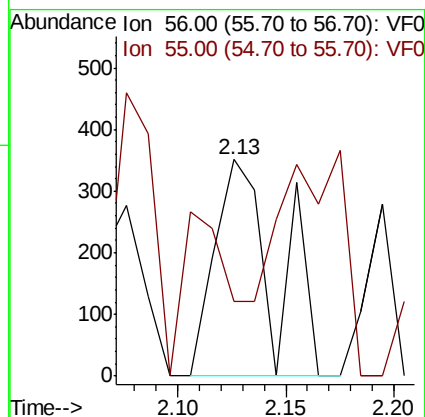
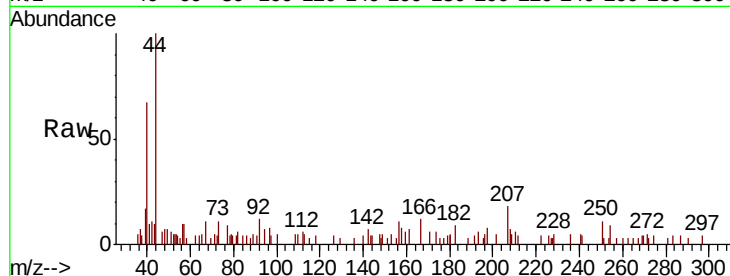
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 685

Ion Ratio Lower Upper

56 100

55 34.5 59.4 89.0#



#14

Allyl chloride

Concen: 172.150 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

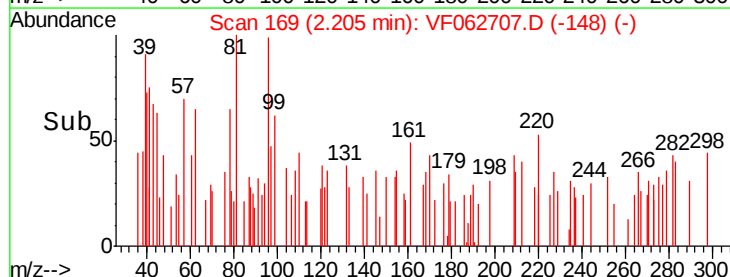
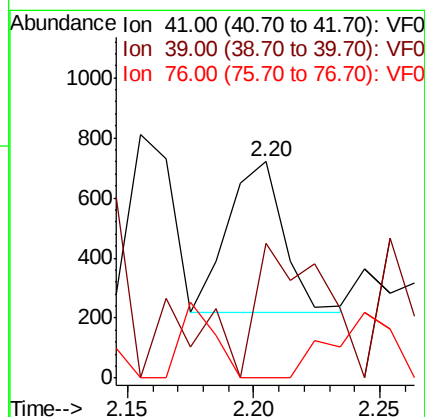
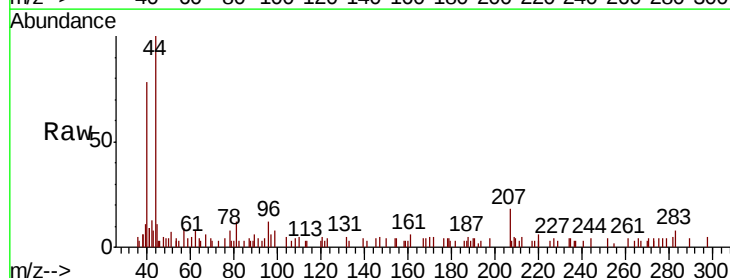
Tgt Ion: 41 Resp: 774

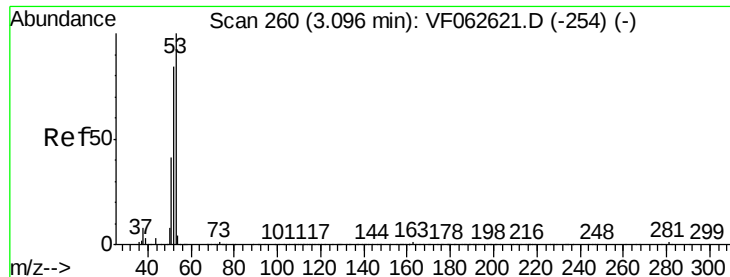
Ion Ratio Lower Upper

41 100

39 62.6 72.0 108.0#

76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 807.962 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampleId :

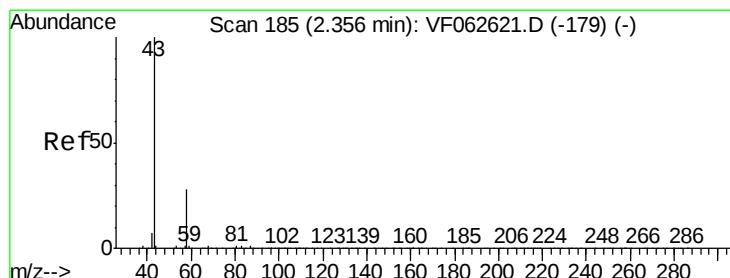
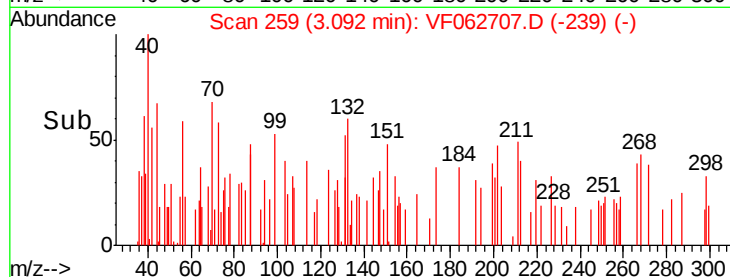
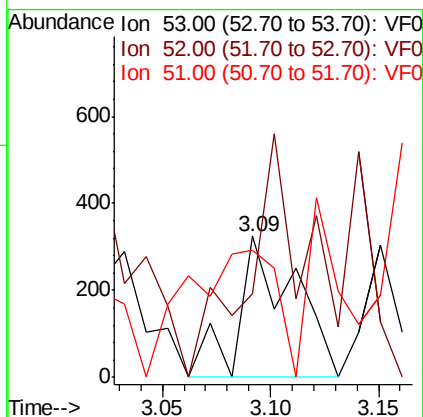
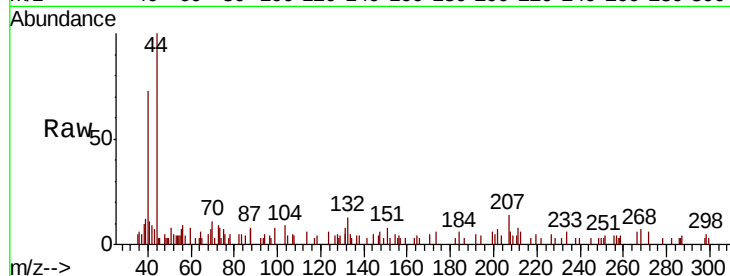
Tot Ion: 53 Resp: 588

Ion Ratio Lower Upper

53 100

52 59.6 67.3 100.9#

51 90.4 33.0 49.6#



#16

Acetone

Concen: 291.970 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.03 min

Lab File: VF062707.D

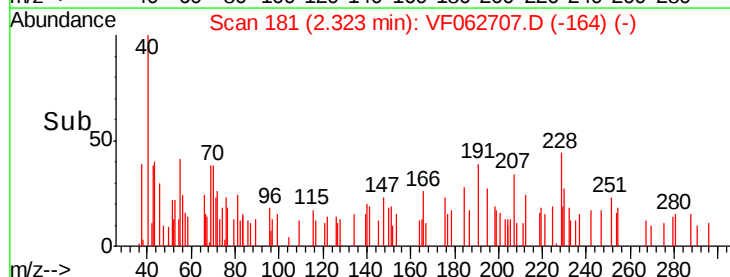
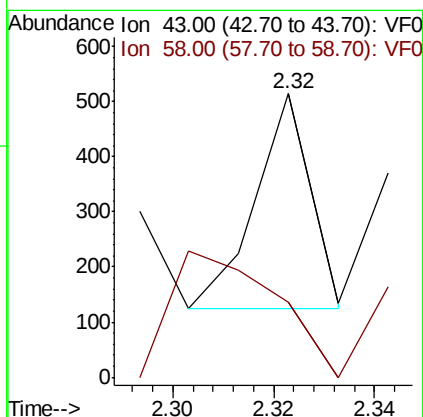
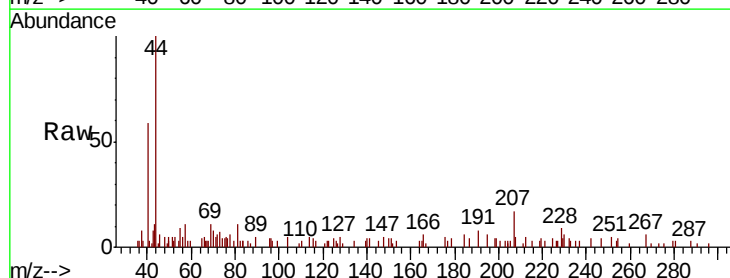
Acq: 22 May 2019 15:53

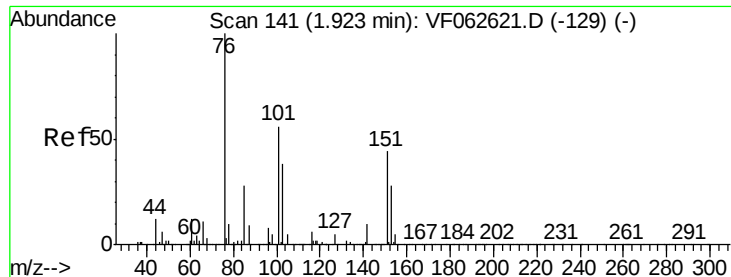
Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

58 26.5 22.6 33.8

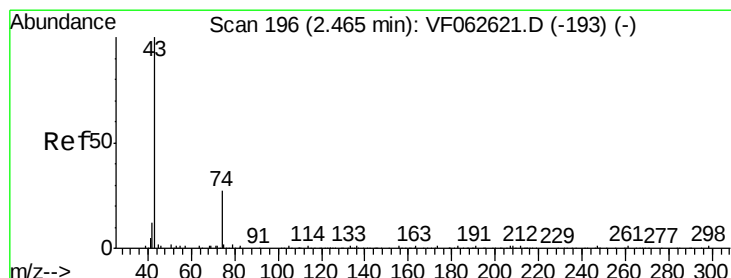
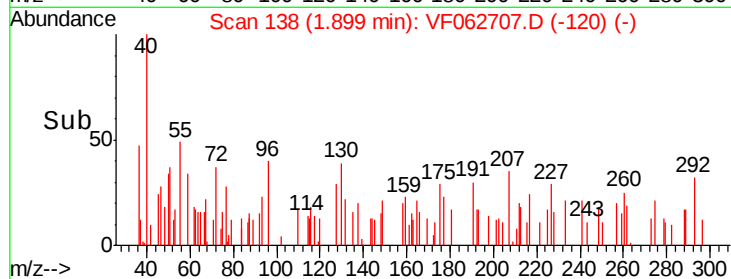
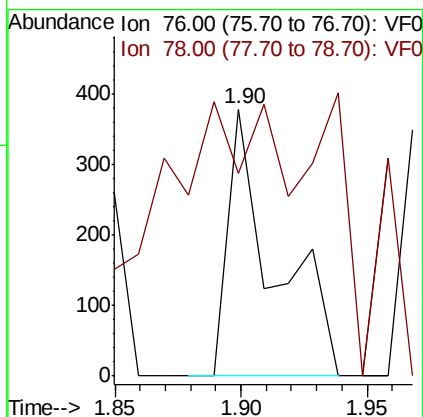
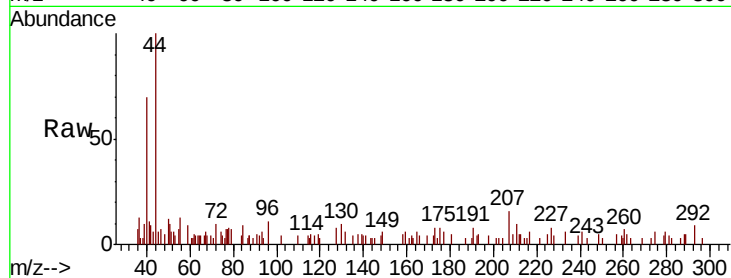




#17
Carbon Disulfide
Concen: 32.803 ug/l
RT: 1.90 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

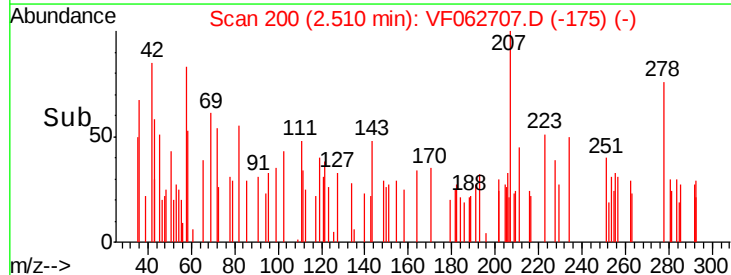
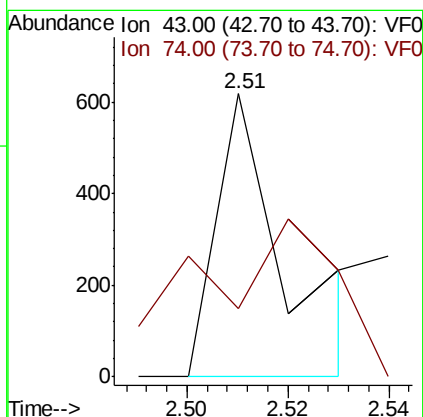
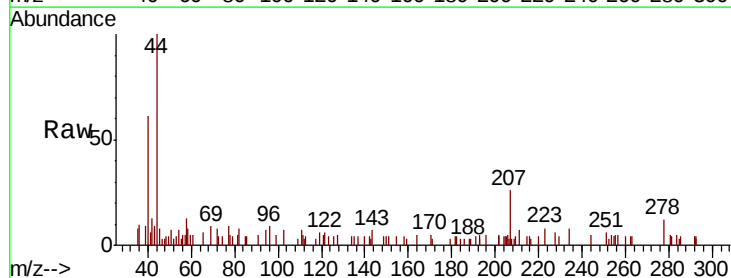
Instrument :
MSVOA_F
ClientSampled :

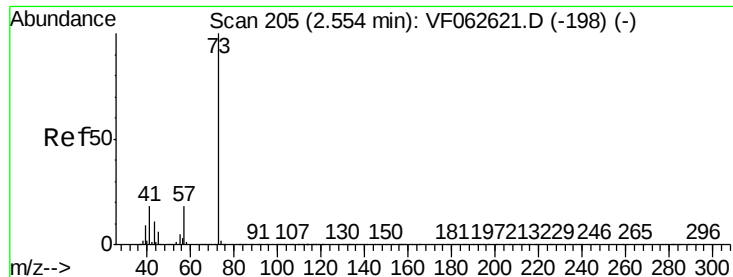
Tot Ion: 76 Resp: 483
Ion Ratio Lower Upper
76 100
78 75.7 8.4 12.6#



#18
Methyl Acetate
Concen: 367.203 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3

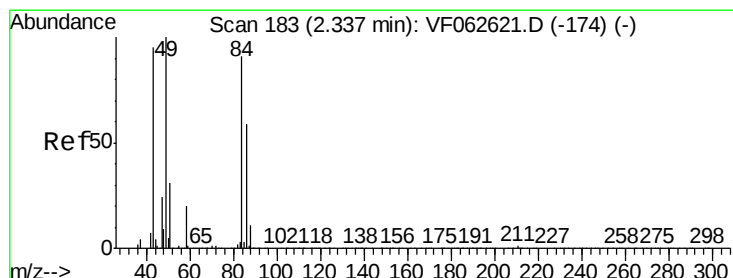
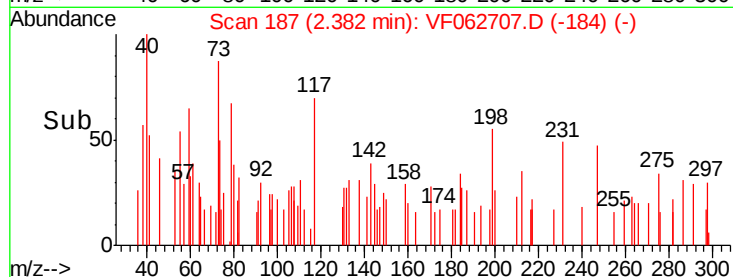
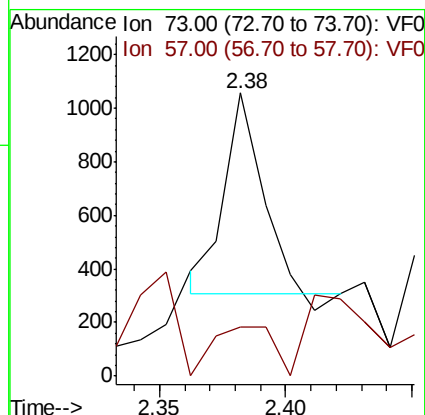
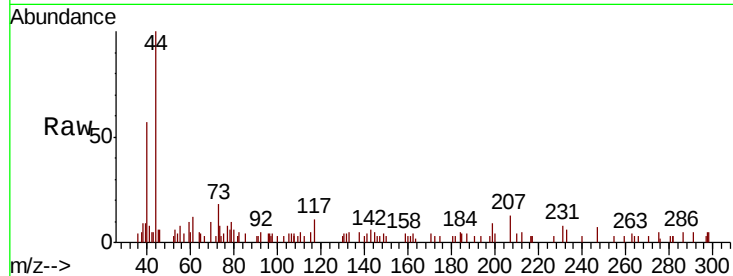




#19
Methyl tert-butyl Ether
Concen: 85.918 ug/l
RT: 2.38 min Scan# 187
Delta R.T. -0.17 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

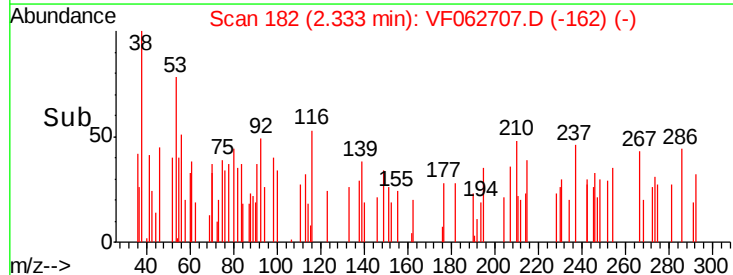
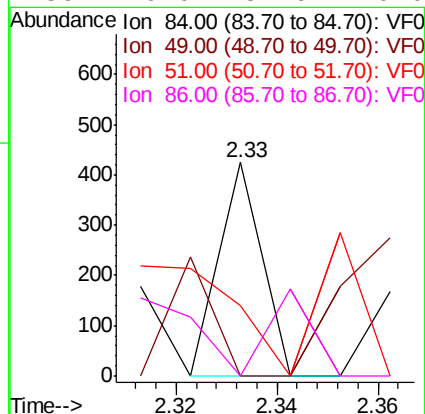
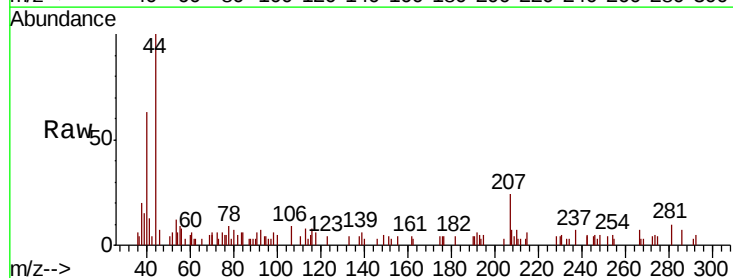
Instrument :
MSVOA_F
ClientSampled :

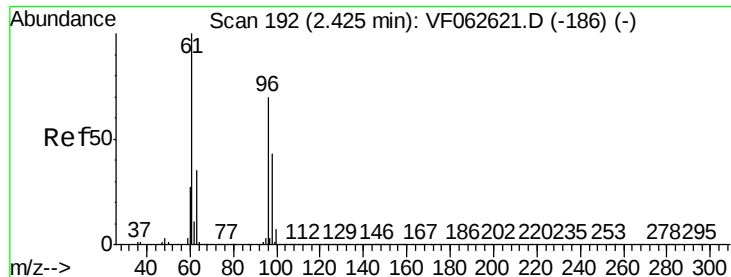
Tot Ion: 73 Resp: 763
Ion Ratio Lower Upper
73 100
57 17.1 14.2 21.4



#20
Methylene Chloride
Concen: 49.394 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 84 Resp: 251
Ion Ratio Lower Upper
84 100
49 0.0 89.8 134.8#
51 32.9 28.4 42.6
86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 189.061 ug/l

RT: 2.42 min Scan# 191

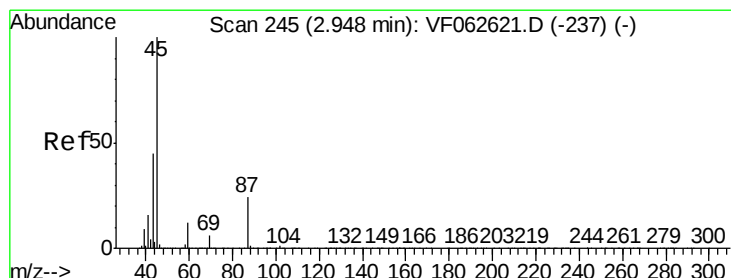
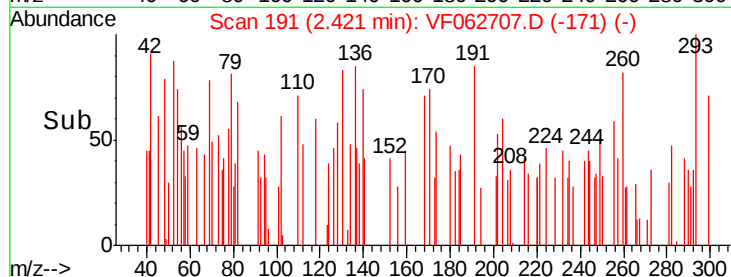
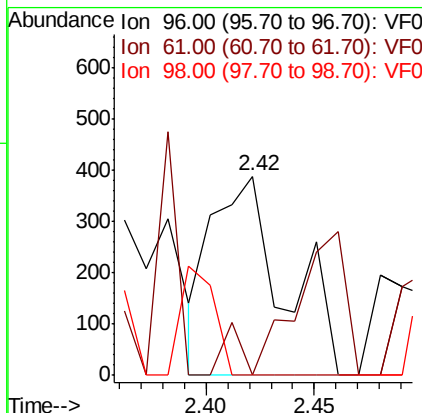
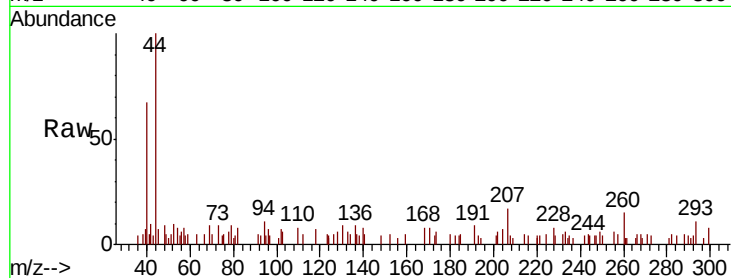
Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	918
Ion	Ratio	Lower	Upper
96	100		
61	0.0	114.6	171.8#
98	0.0	49.5	74.3#



#22

Diisopropyl ether

Concen: 57.624 ug/l

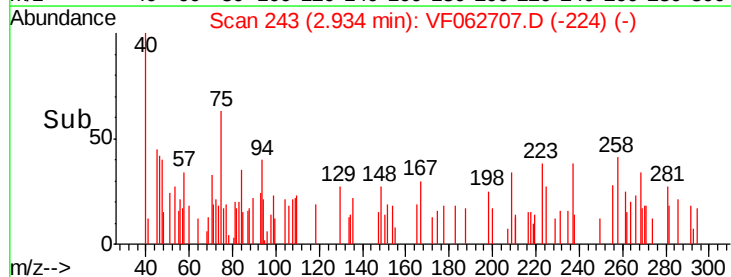
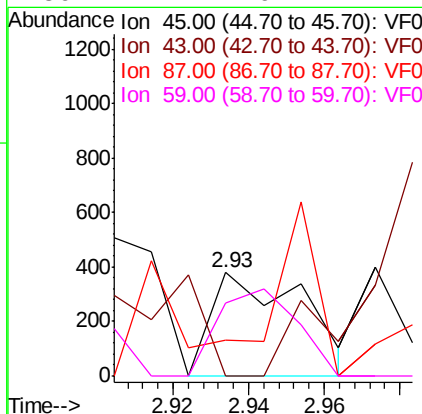
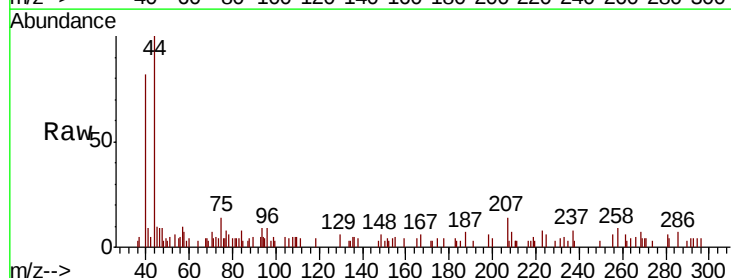
RT: 2.93 min Scan# 243

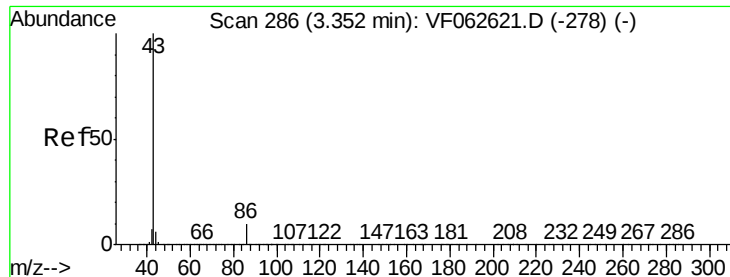
Delta R.T. -0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	45	Resp:	639
Ion	Ratio	Lower	Upper
45	100		
43	0.0	36.4	54.6#
87	34.5	19.3	28.9#
59	71.1	9.4	14.2#





#23

Vinyl Acetate

Concen: 122.052 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

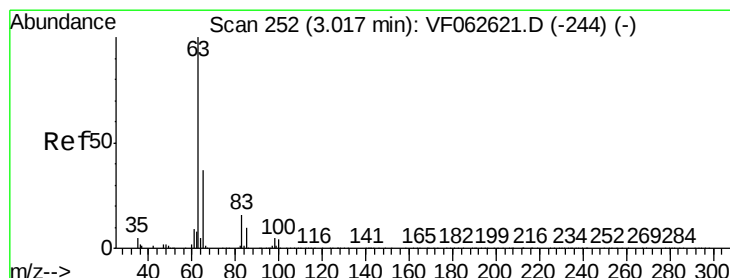
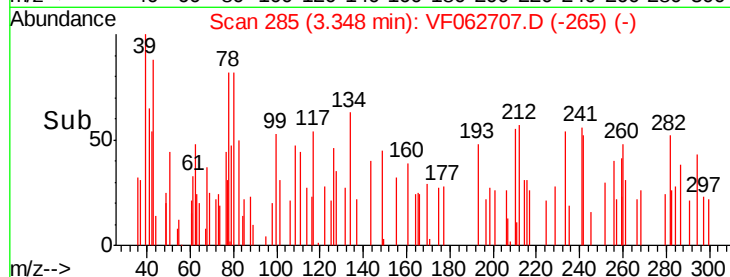
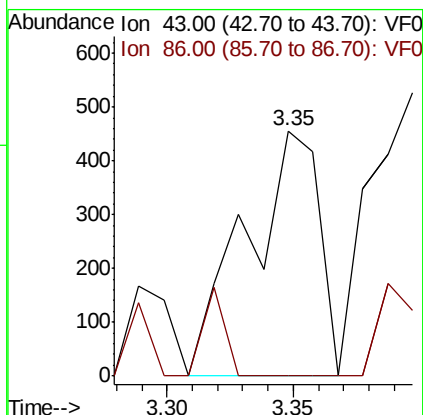
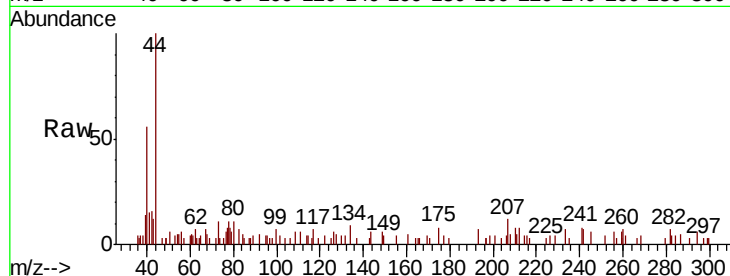
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 17.701 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

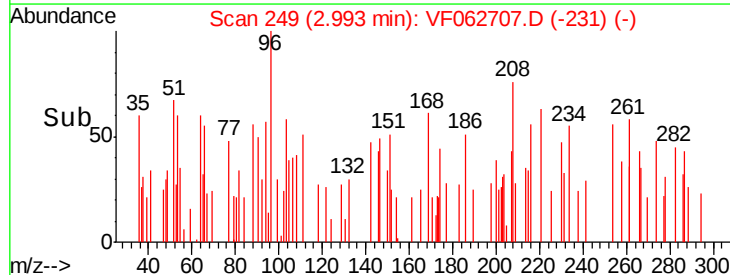
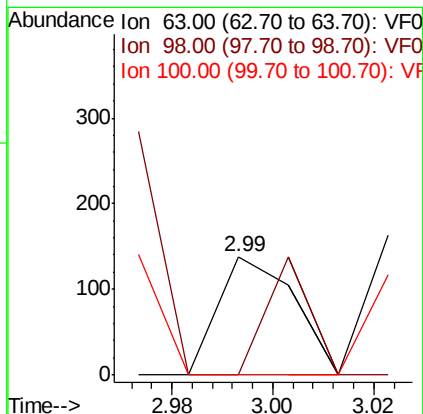
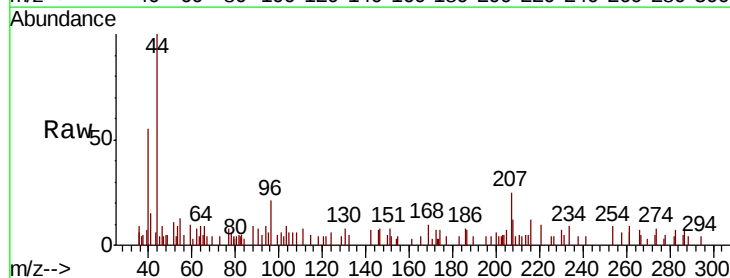
Tgt Ion: 63 Resp: 144

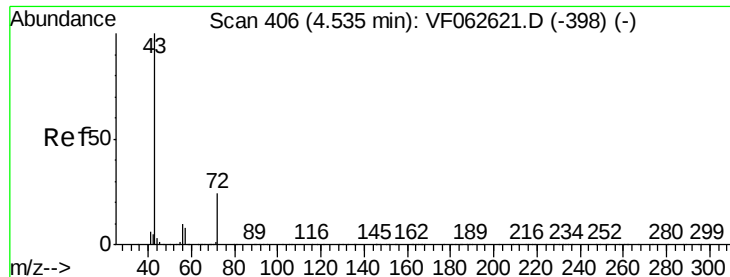
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 250.233 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.03 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

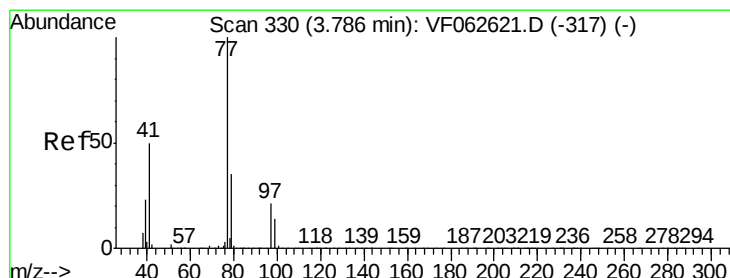
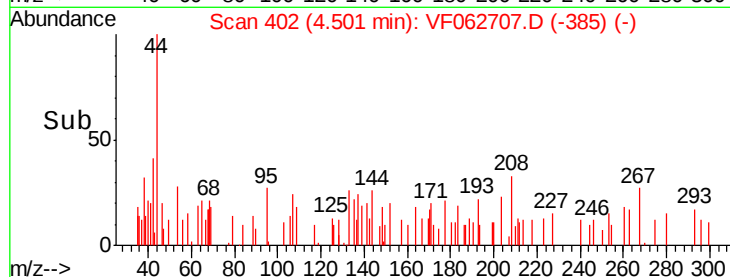
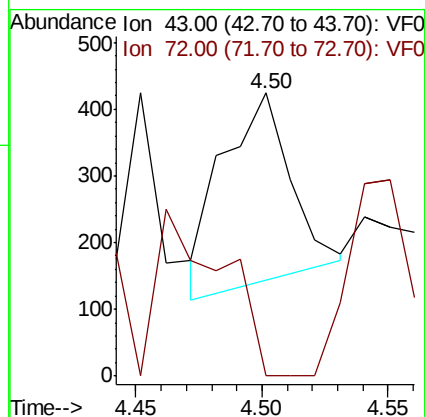
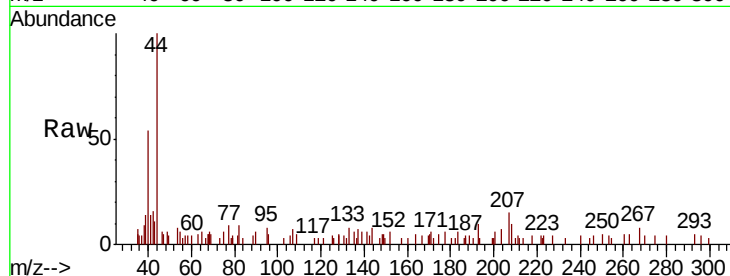
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

72 0.0 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 149.962 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.04 min

Lab File: VF062707.D

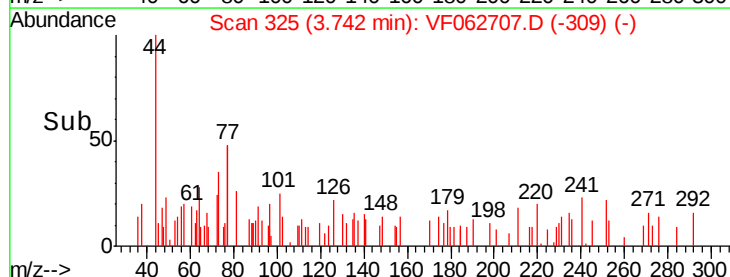
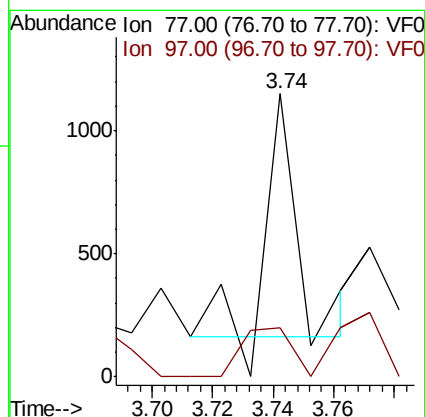
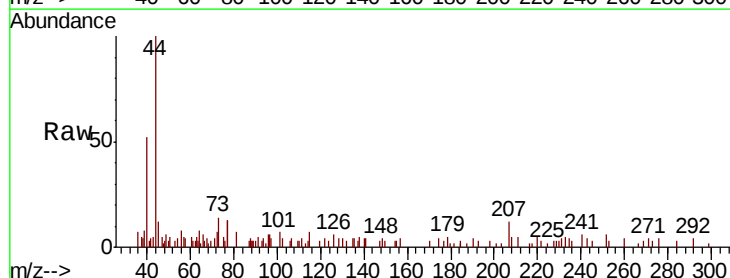
Acq: 22 May 2019 15:53

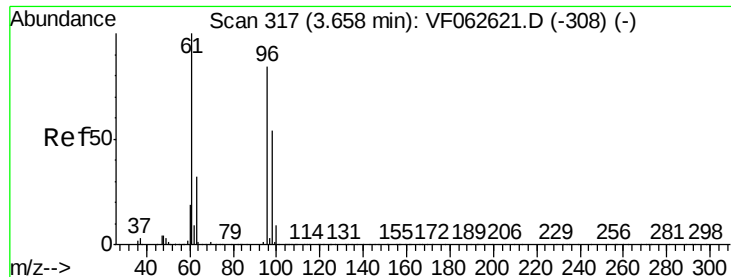
Tgt Ion: 77 Resp: 698

Ion Ratio Lower Upper

77 100

97 17.1 14.1 42.4



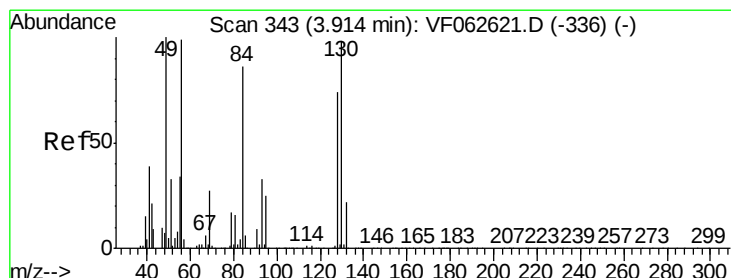
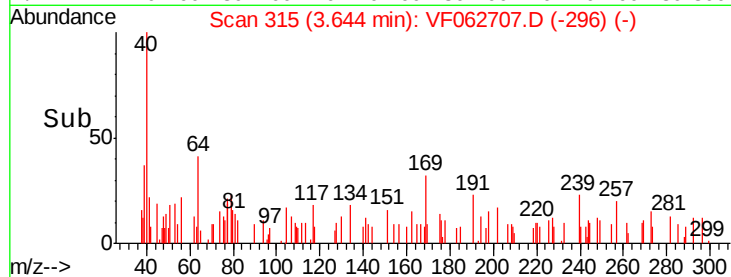
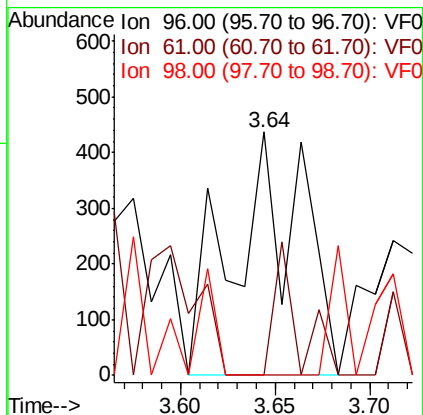
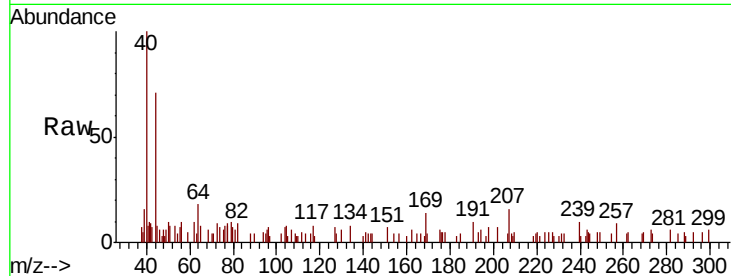


#27

cis-1,2-Dichloroethene
 Concen: 138.476 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Instrument :
 MSVOA_F
 ClientSampled :

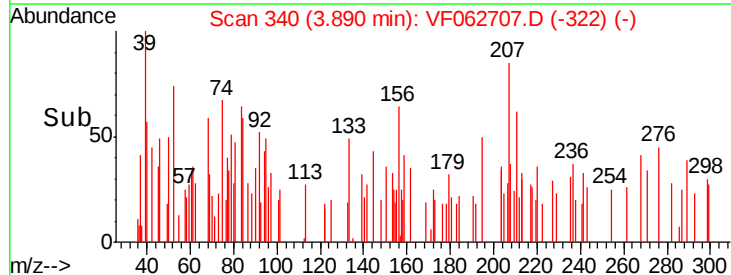
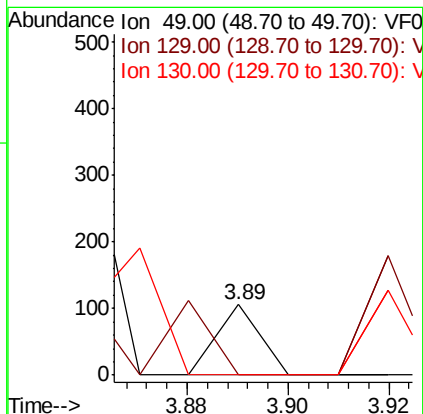
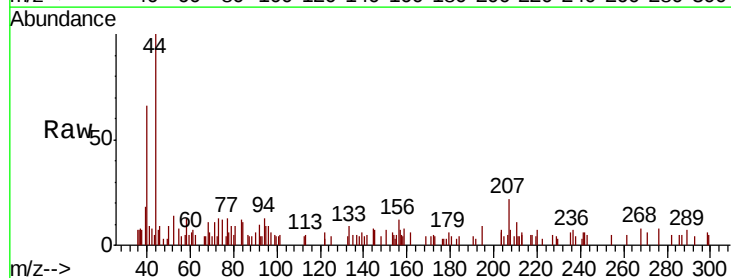
Tot Ion:	96	Resp:	1106
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	237.4
98	0.0	0.0	129.0

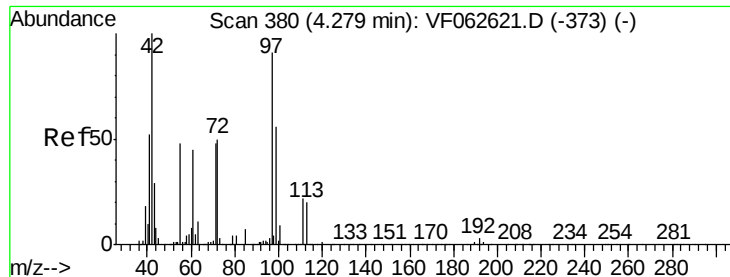


#28

Bromochloromethane
 Concen: 13.808 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Tgt Ion:	49	Resp:	63
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	77.8	116.8#





#29

Tetrahydrofuran

Concen: 1397.608 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampled :

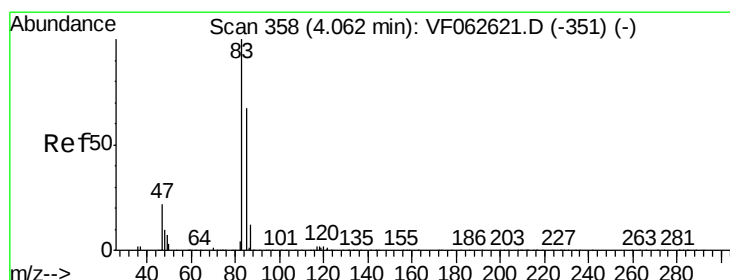
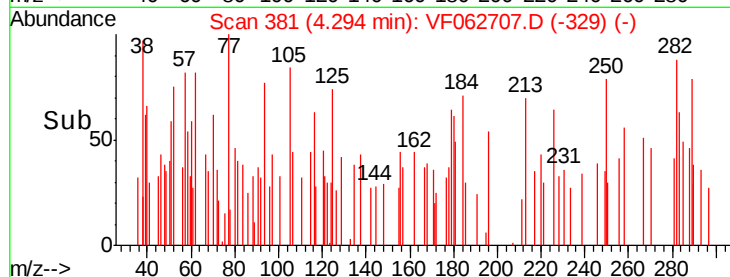
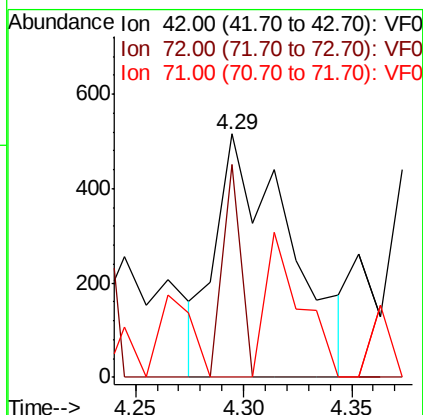
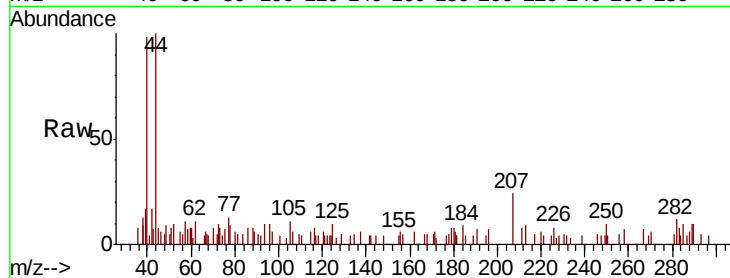
Tot Ion: 42 Resp: 1225

Ion Ratio Lower Upper

42 100

72 21.8 38.2 57.2#

71 28.7 35.8 53.6#



#30

Chloroform

Concen: 9.031 ug/l

RT: 4.16 min Scan# 367

Delta R.T. 0.09 min

Lab File: VF062707.D

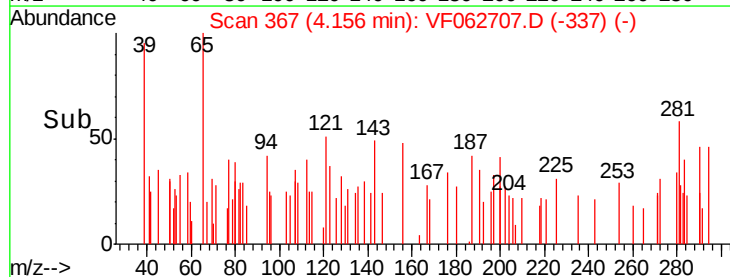
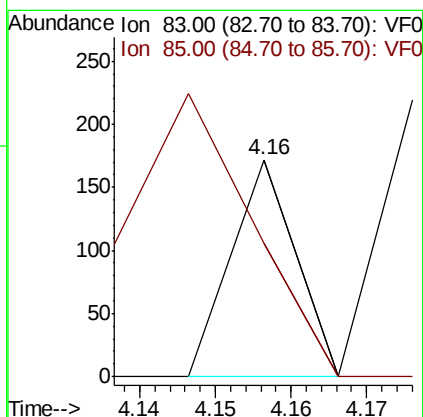
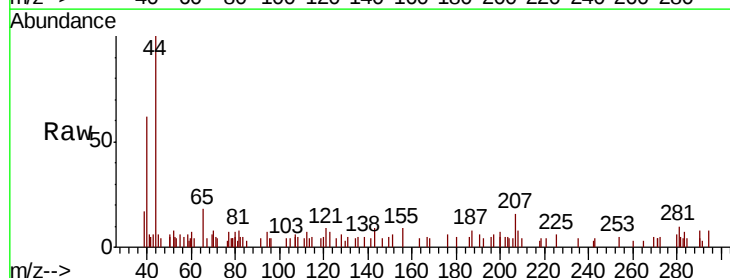
Acq: 22 May 2019 15:53

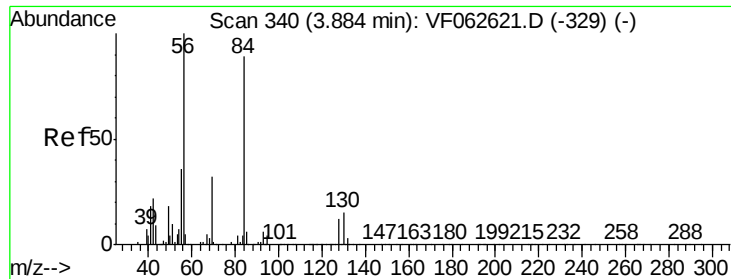
Tgt Ion: 83 Resp: 102

Ion Ratio Lower Upper

83 100

85 61.6 53.6 80.4

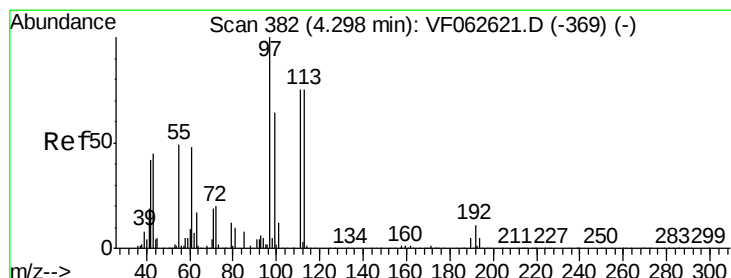
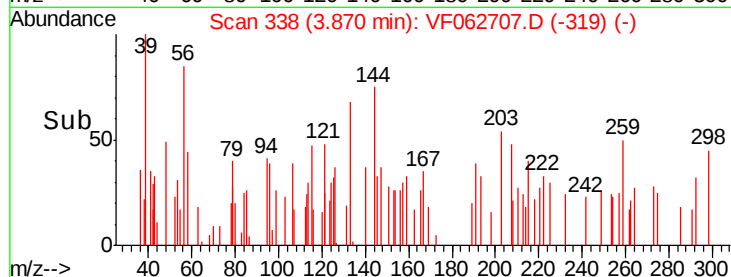
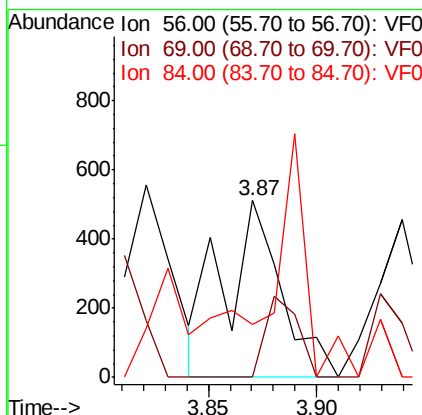
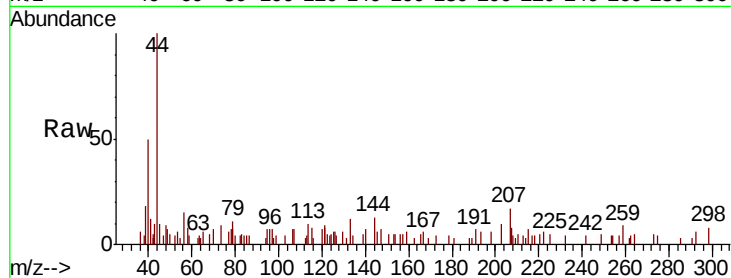




#31
Cyclohexane
Concen: 86.974 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

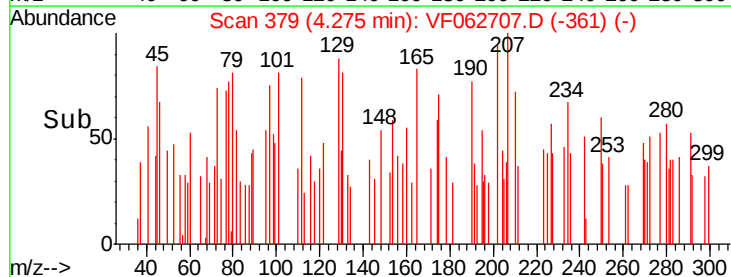
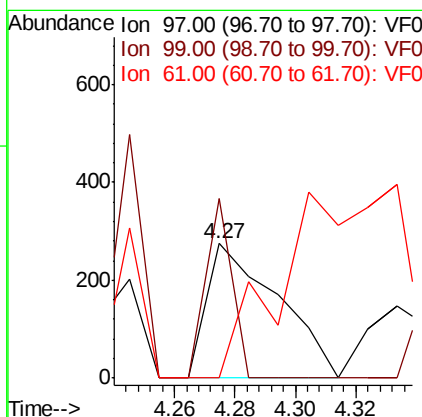
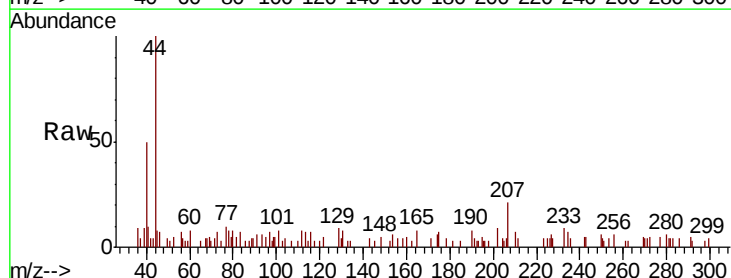
Instrument :
MSVOA_F
ClientSampled :

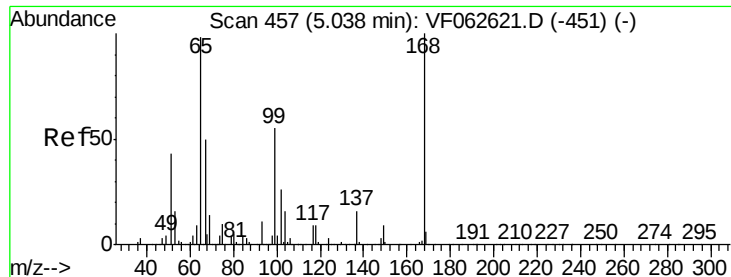
Tot Ion: 56 Resp: 950
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 29.7 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 59.592 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 97 Resp: 447
Ion Ratio Lower Upper
97 100
99 133.1 51.3 76.9#
61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 55.274 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

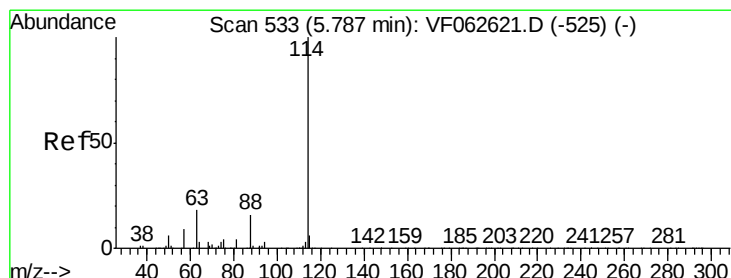
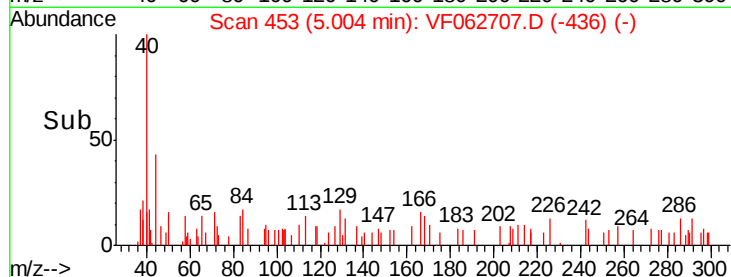
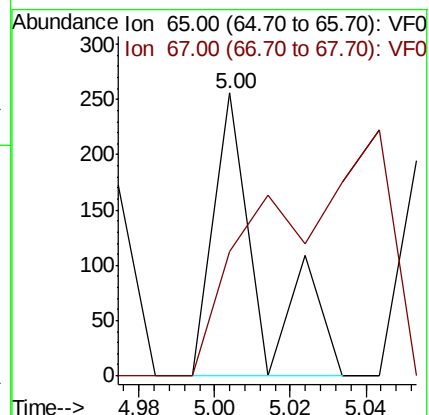
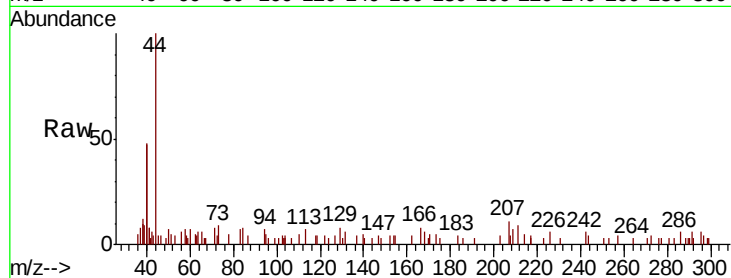
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 216

Ion Ratio Lower Upper

65 100

67 43.8 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.04 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

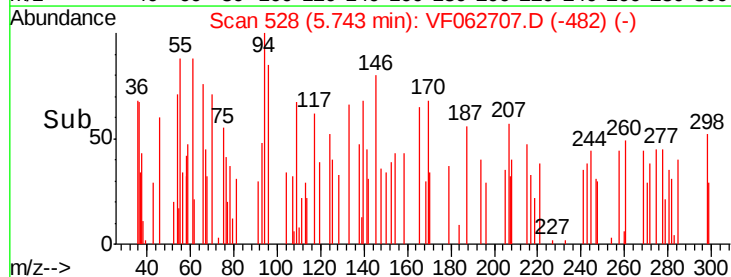
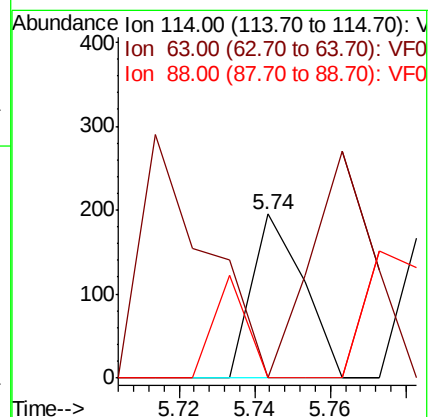
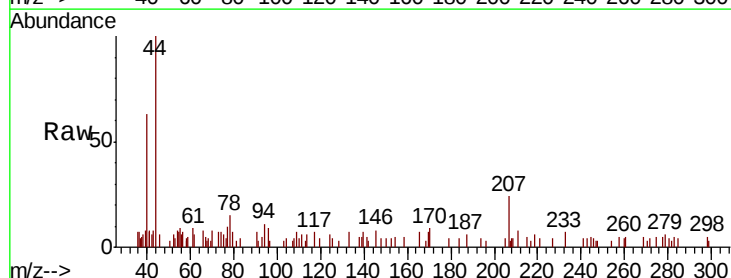
Tgt Ion: 114 Resp: 183

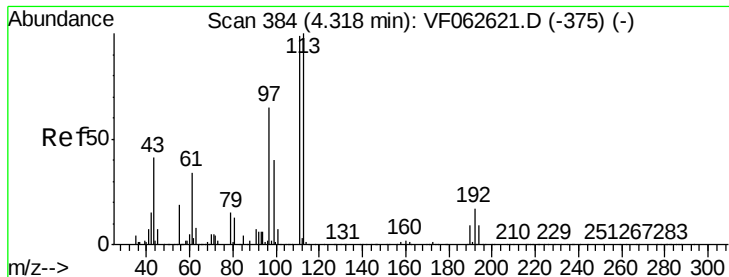
Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 0.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 164.248 ug/l

RT: 4.27 min Scan# 379

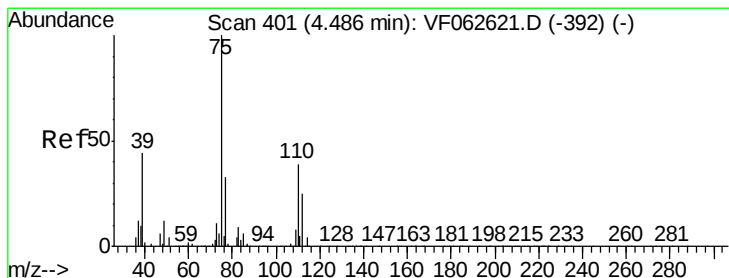
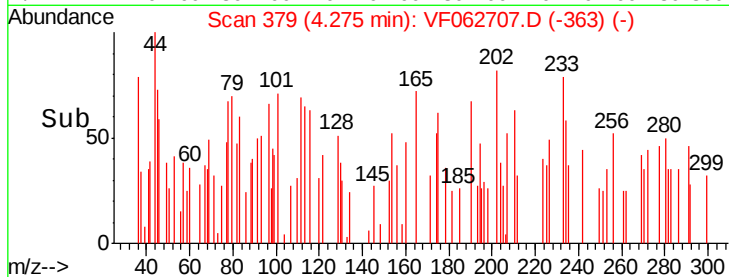
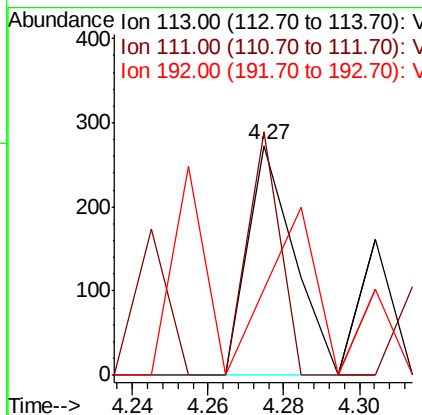
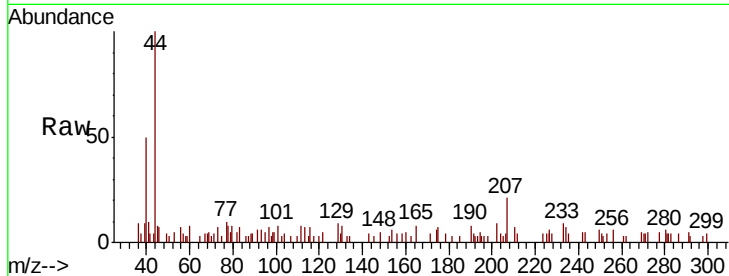
Delta R.T. -0.04 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	113	Resp:	230
Ion	Ratio	Lower	Upper
113	100		
111	105.9	79.4	119.2
192	37.4	13.4	20.2#



#36

1,1-Dichloropropene

Concen: 446.889 ug/l

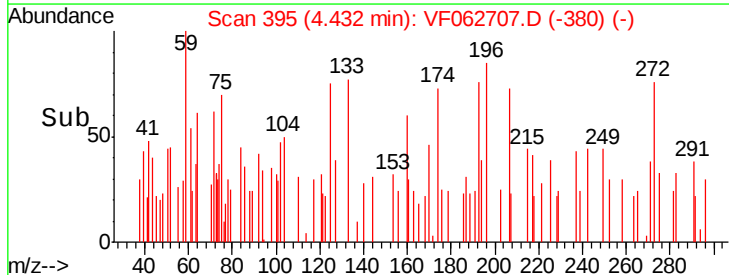
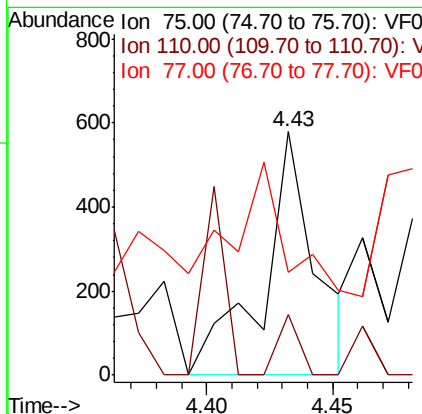
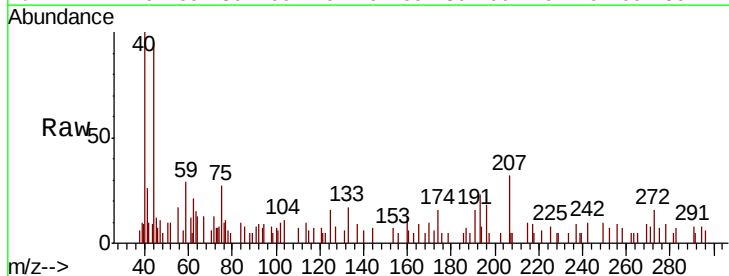
RT: 4.43 min Scan# 395

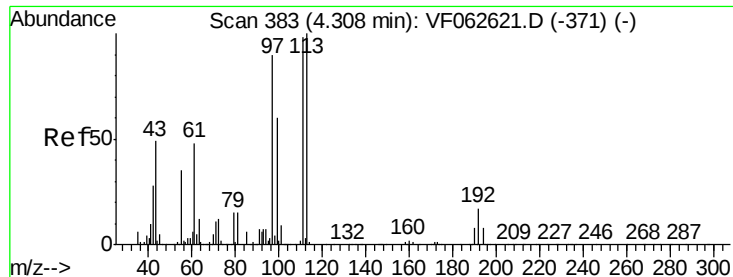
Delta R.T. -0.05 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	75	Resp:	838
Ion	Ratio	Lower	Upper
75	100		
110	24.9	19.7	59.1
77	42.5	26.3	39.5#

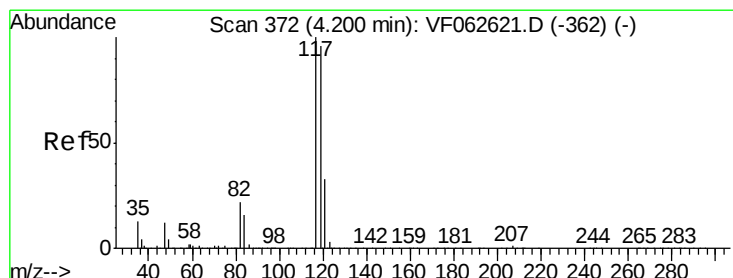
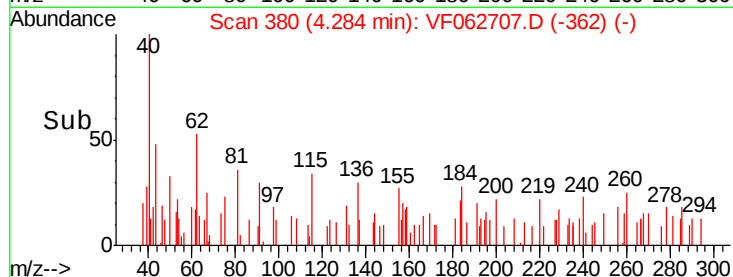
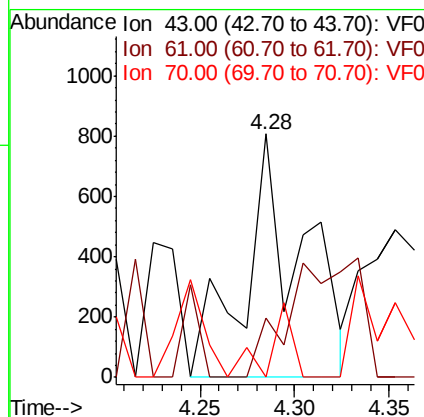
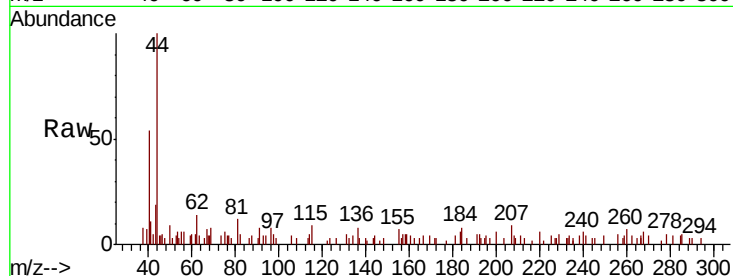




#37
Ethyl Acetate
Concen: 2224.280 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

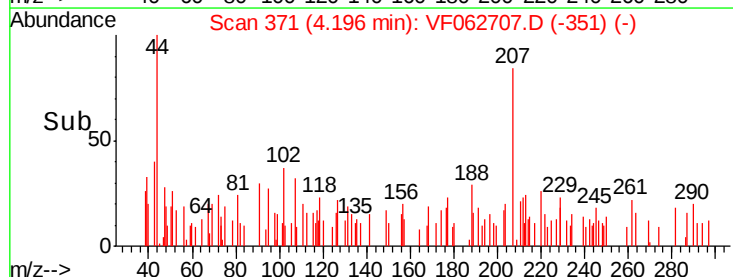
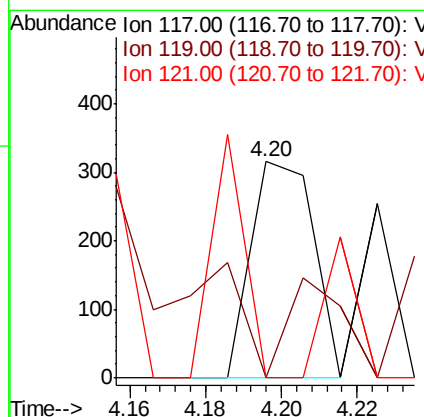
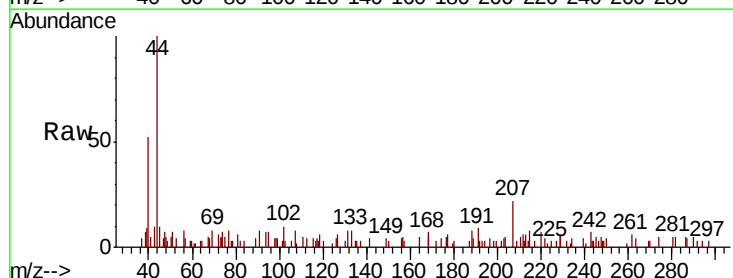
Instrument :
MSVOA_F
ClientSampled :

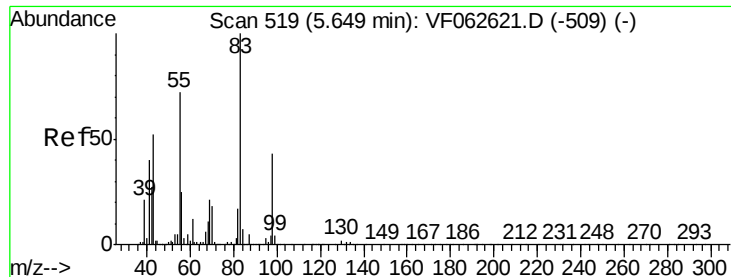
Tot Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
61 24.4 76.9 115.3#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 255.977 ug/l
RT: 4.20 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 117 Resp: 361
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 26.6 40.0#

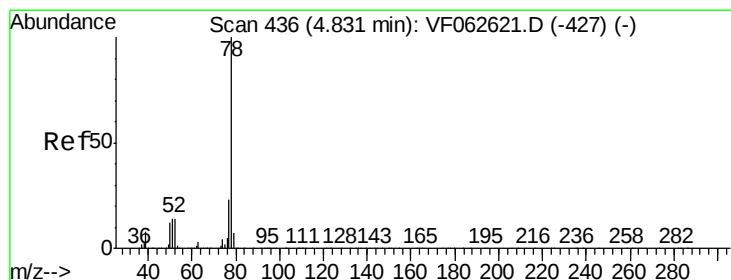
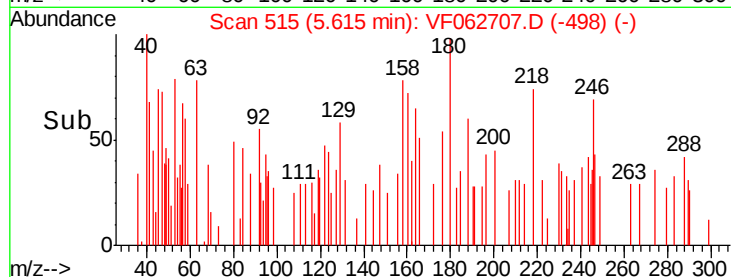
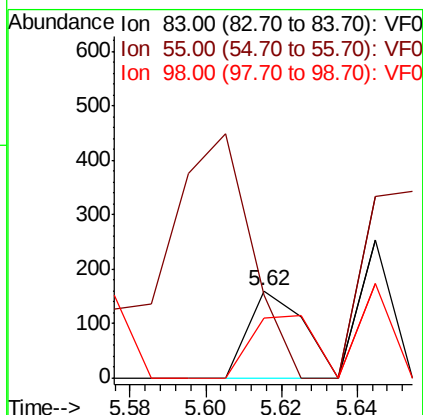
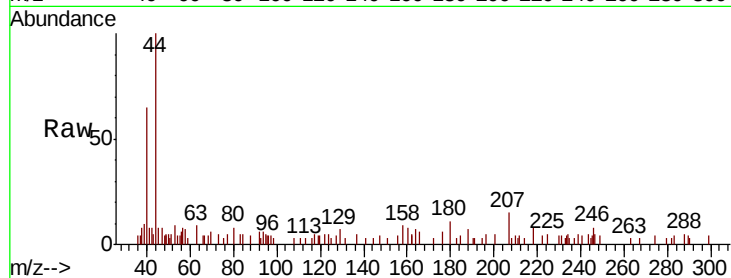




#39
Methvlcvclohexane
Concen: 71.355 ug/l
RT: 5.62 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

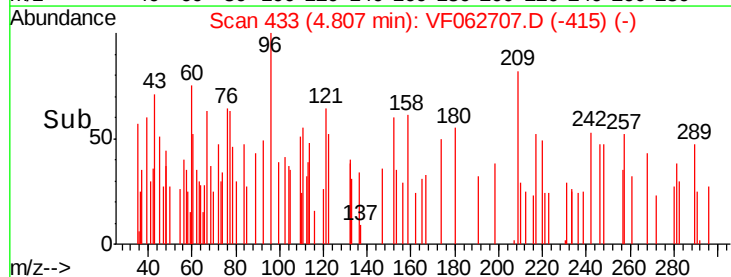
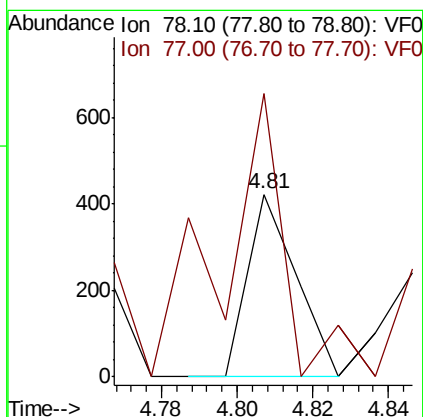
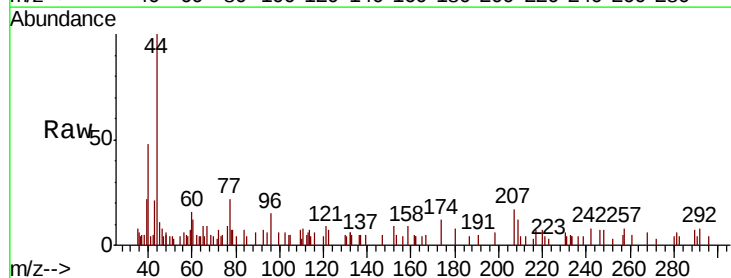
Instrument :
MSVOA_F
ClientSampled :

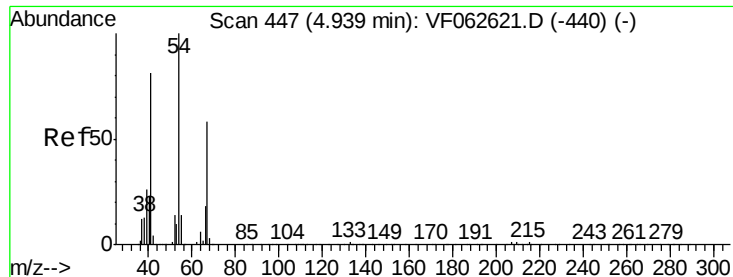
Tot Ion: 83 Resp: 161
Ion Ratio Lower Upper
83 100
55 238.8 57.9 86.9#
98 68.8 34.6 52.0#



#40
Benzene
Concen: 73.015 ug/l
RT: 4.81 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 78 Resp: 373
Ion Ratio Lower Upper
78 100
77 154.8 18.2 27.2#

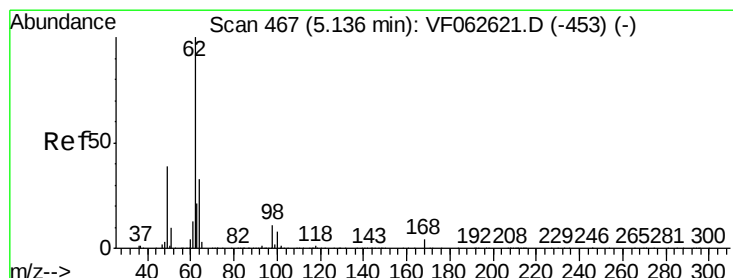
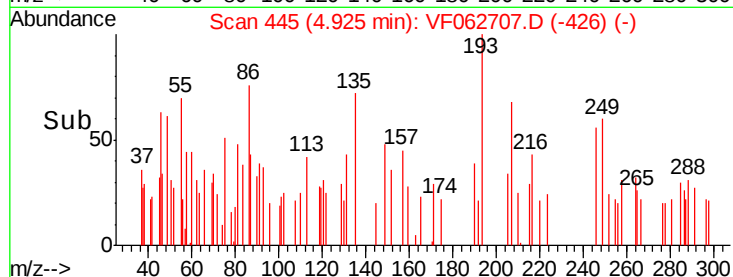
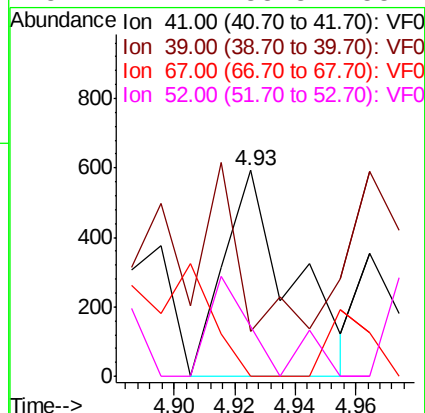
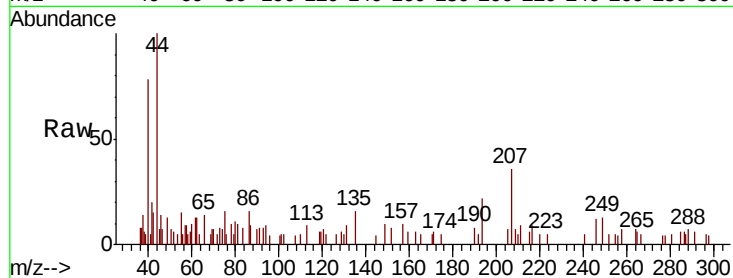




#41
Methacrylonitrile
Concen: 2311.883 ug/l
RT: 4.93 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

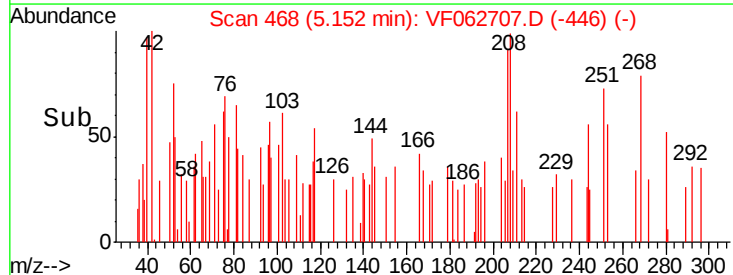
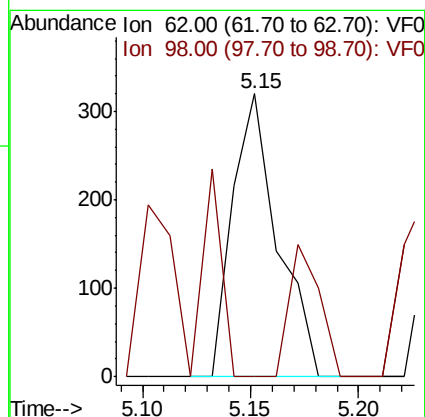
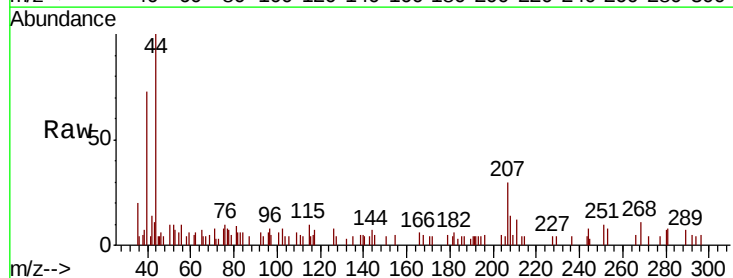
Instrument :
MSVOA_F
ClientSampled :

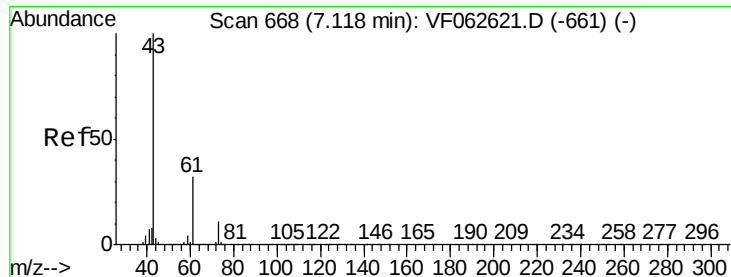
Tot Ion:	41	Resp:	928
Ion	Ratio	Lower	Upper
41	100		
39	21.8	42.2	63.2#
67	0.0	56.4	84.6#
52	24.2	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 455.474 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.02 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion:	62	Resp:	464
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



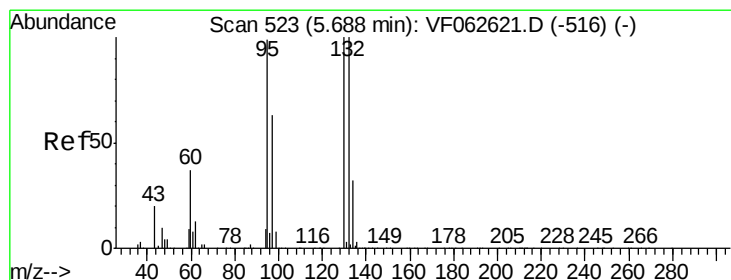
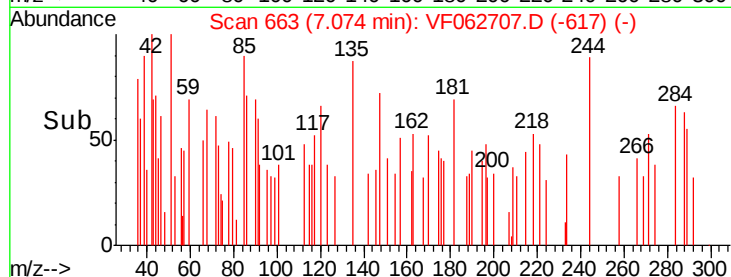
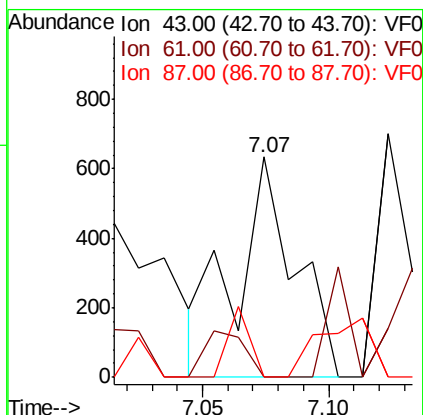
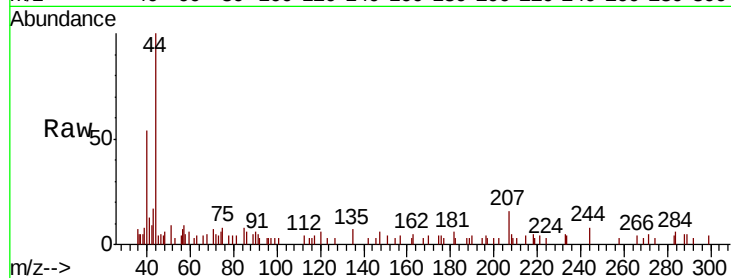


#43

Isopropyl Acetate
 Concen: 1043.434 ug/l
 RT: 7.07 min Scan# 663
 Delta R.T. -0.04 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Instrument :
 MSVOA_F
 ClientSampled :

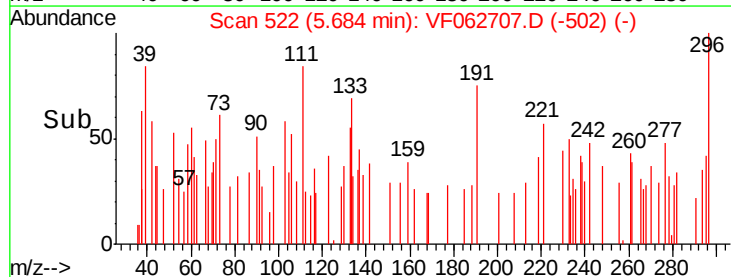
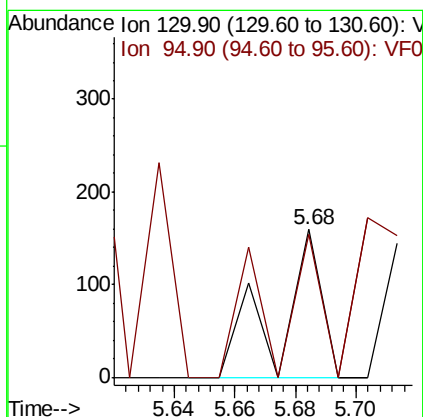
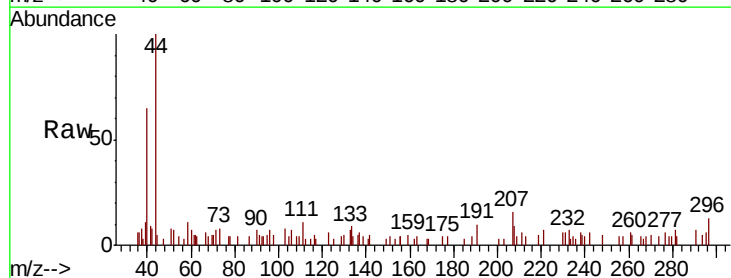
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.8#
87	0.0	0.4	0.6#

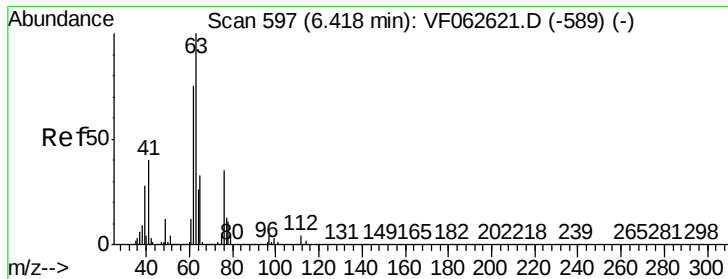


#44

Trichloroethene
 Concen: 107.259 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	199.4





#45

1,2-Dichloropropane

Concen: 410.990 ug/l

RT: 6.37 min Scan# 592

Delta R.T. -0.04 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

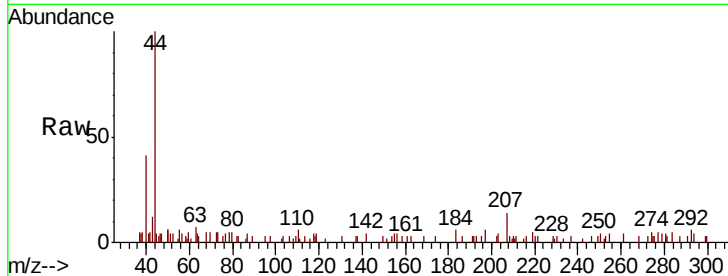
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 530

Ion Ratio Lower Upper

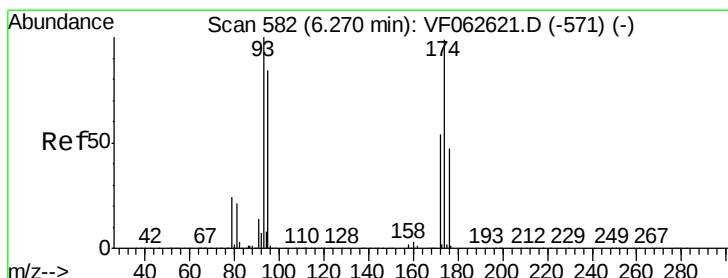
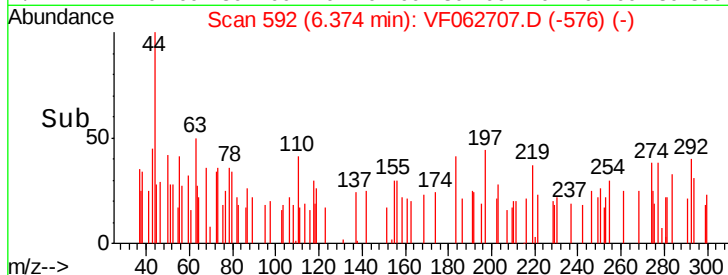
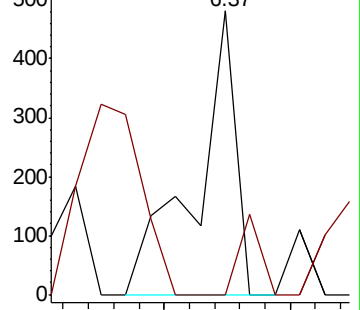
63 100

65 0.0 26.3 39.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 575.625 ug/l

RT: 6.26 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

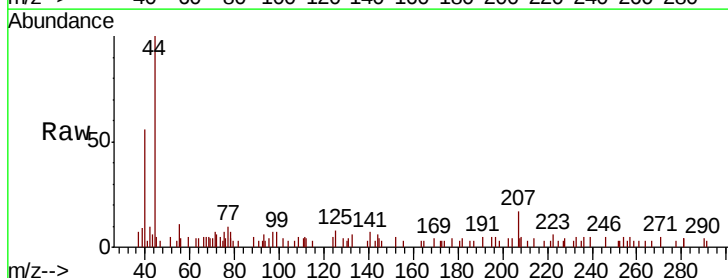
Tgt Ion: 93 Resp: 429

Ion Ratio Lower Upper

93 100

95 49.3 67.4 101.2#

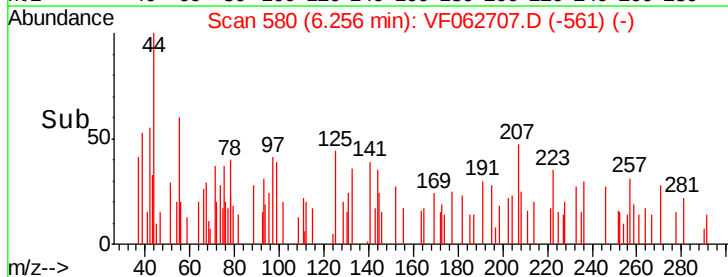
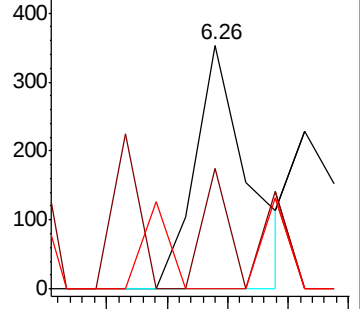
174 0.0 79.4 119.2#

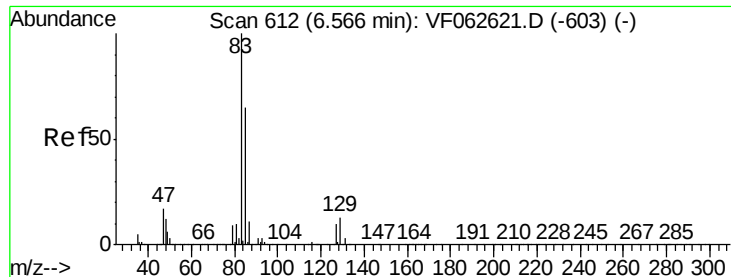


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 120.863 ug/l

RT: 6.50 min Scan# 605

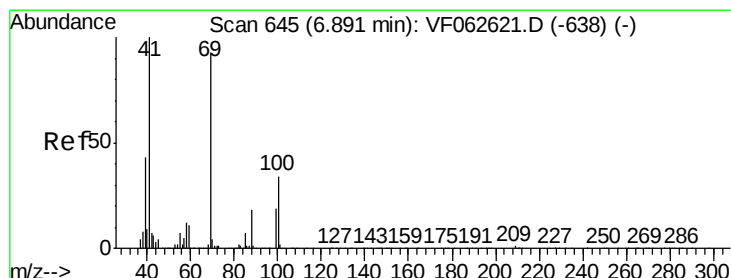
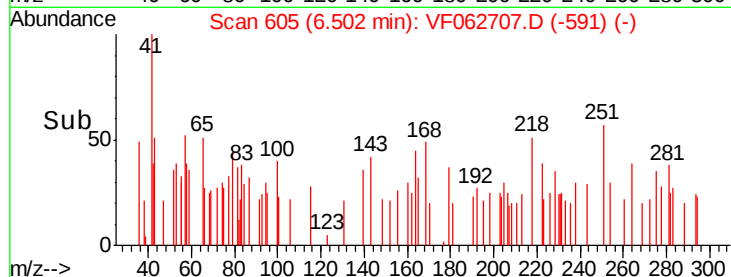
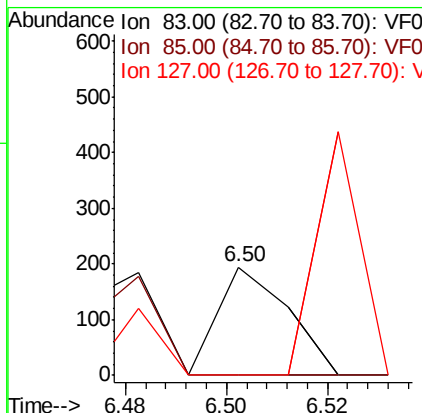
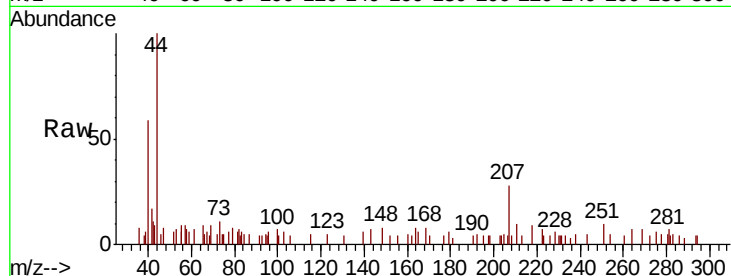
Delta R.T. -0.06 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	83.00	Resp:	187
Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.0	78.0#
127	0.0	7.7	11.5#



#48

Methyl methacrylate

Concen: 3006.995 ug/l

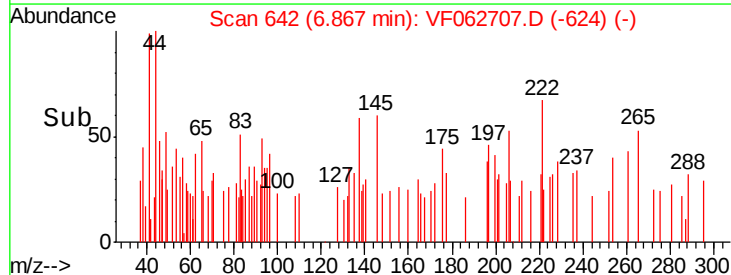
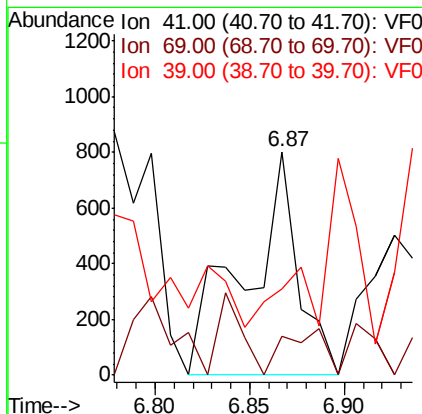
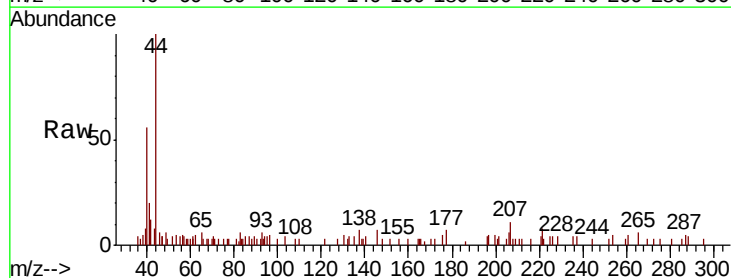
RT: 6.87 min Scan# 642

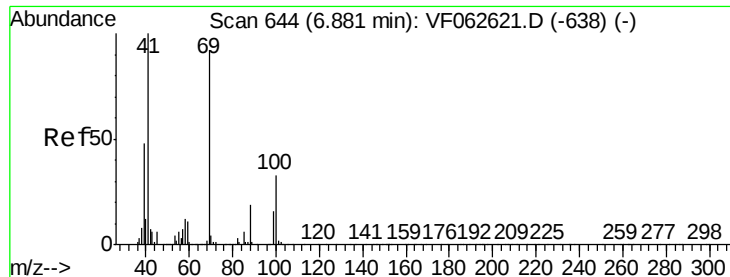
Delta R.T. -0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	41	Resp:	1559
Ion	Ratio	Lower	Upper
41	100		
69	17.4	74.2	111.2#
39	38.4	34.2	51.4





#49

1,4-Dioxane

Concen: 10240.391 ug/l

RT: 6.81 min Scan# 636

Delta R.T. -0.07 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

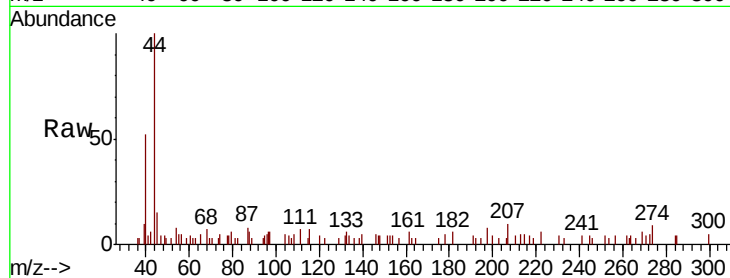
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 30.0 45.0#

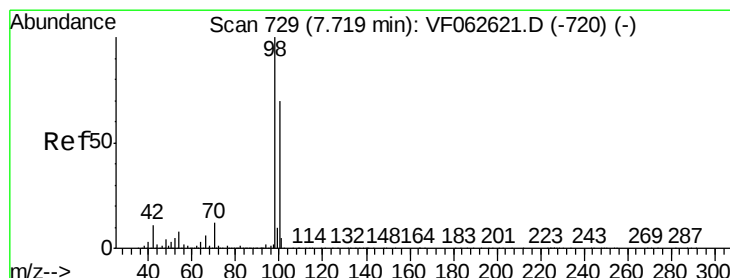
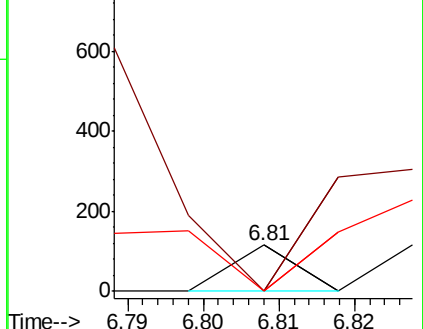
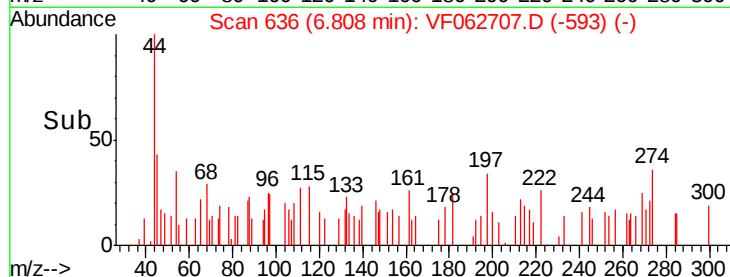
58 0.0 51.1 76.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 128.012 ug/l

RT: 7.69 min Scan# 725

Delta R.T. -0.03 min

Lab File: VF062707.D

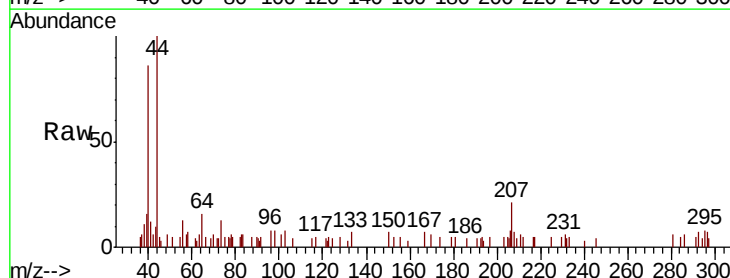
Acq: 22 May 2019 15:53

Tgt Ion: 98 Resp: 428

Ion Ratio Lower Upper

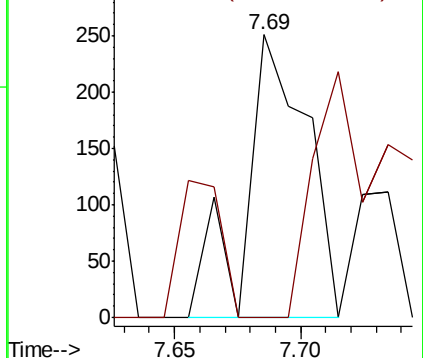
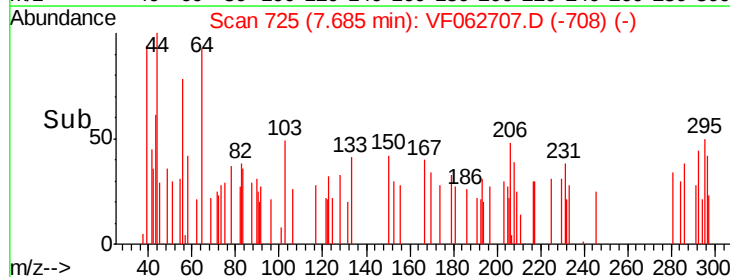
98 100

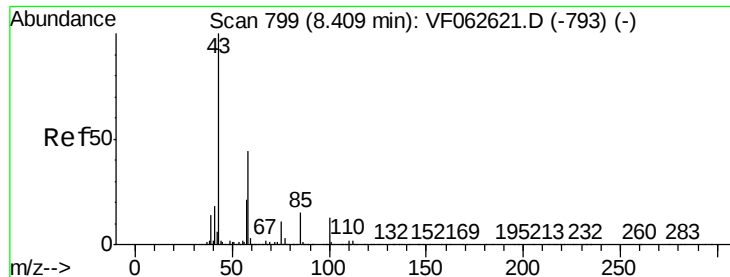
100 0.0 56.2 84.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2042.733 ug/l

RT: 8.21 min Scan# 778

Delta R.T. -0.20 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

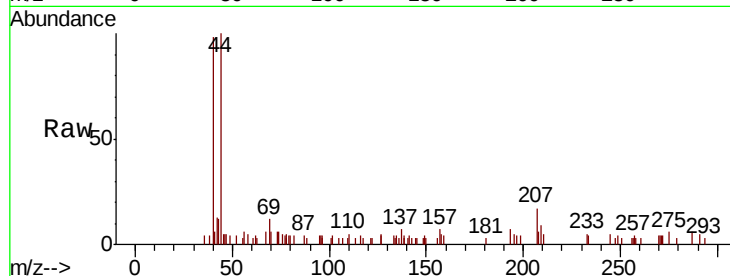
ClientSampleId :

Tot Ion: 43 Resp: 1385

Ion Ratio Lower Upper

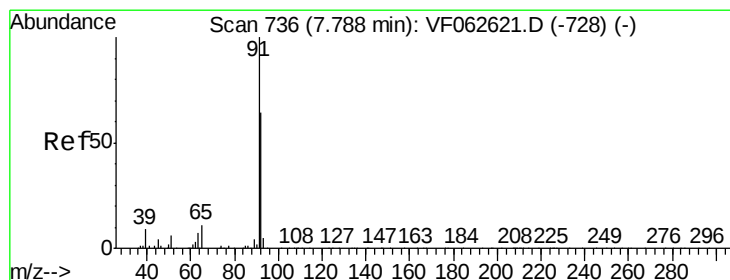
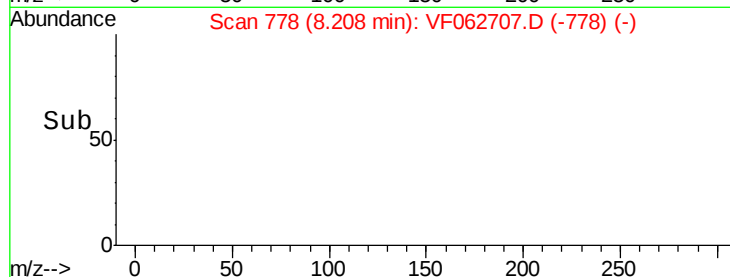
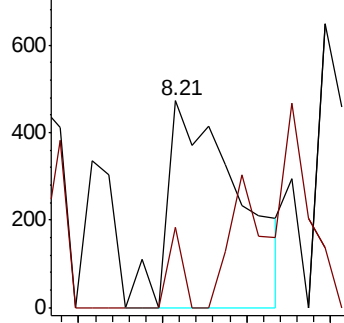
43 100

58 39.0 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 67.186 ug/l

RT: 7.61 min Scan# 717

Delta R.T. -0.18 min

Lab File: VF062707.D

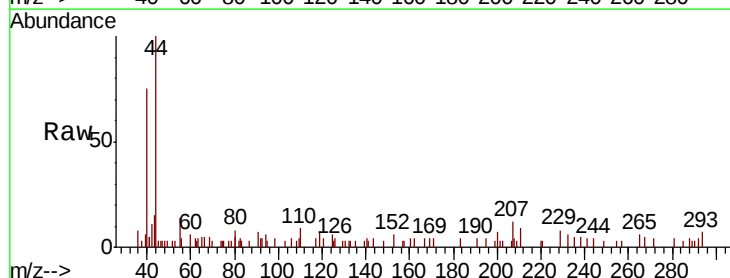
Acq: 22 May 2019 15:53

Tgt Ion: 92 Resp: 180

Ion Ratio Lower Upper

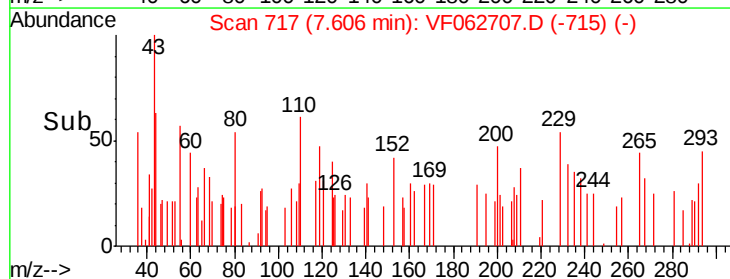
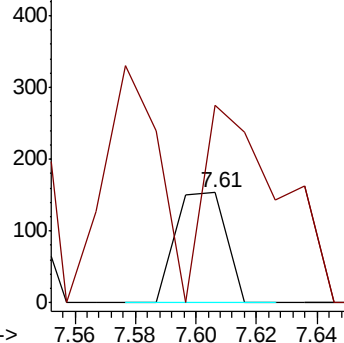
92 100

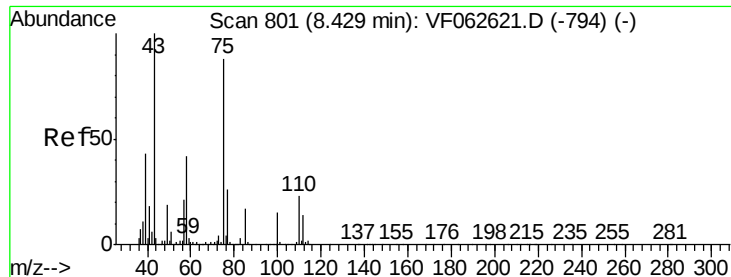
91 179.7 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

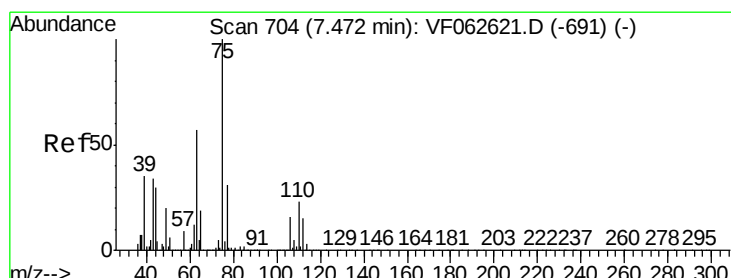
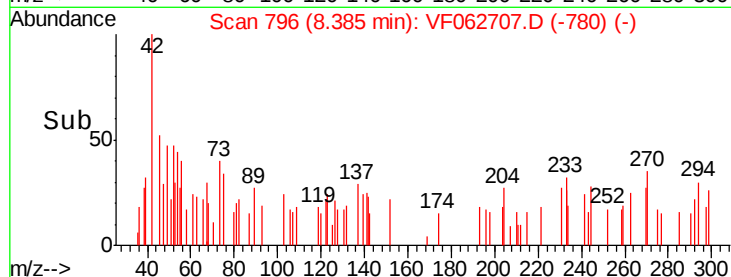
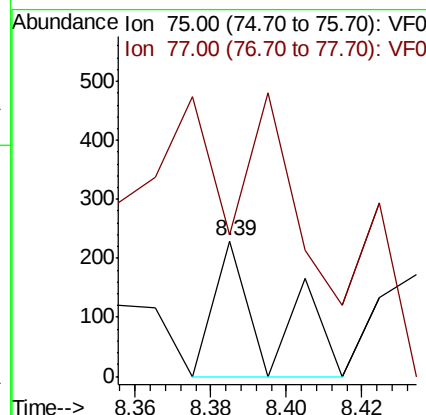
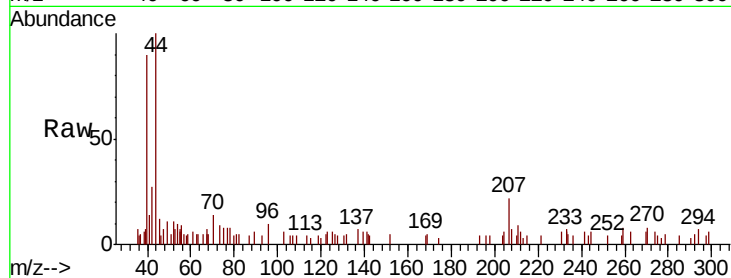




#53
 t-1,3-Dichloropropene
 Concen: 184.864 ug/l
 RT: 8.39 min Scan# 796
 Delta R.T. -0.04 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

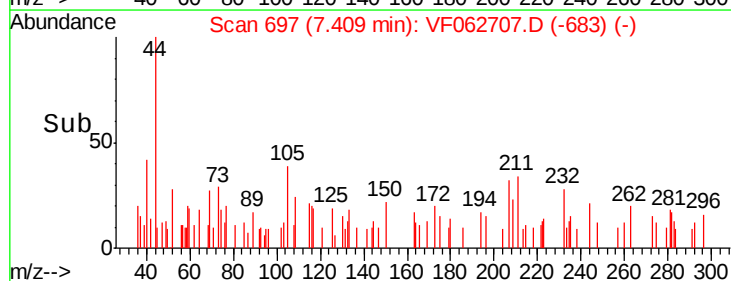
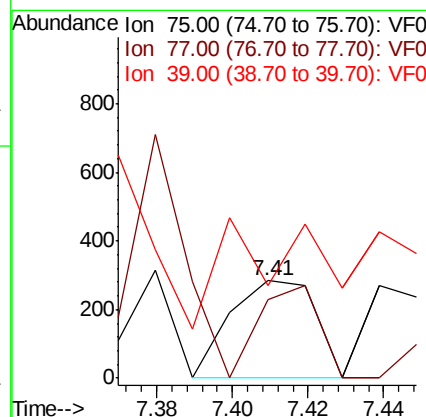
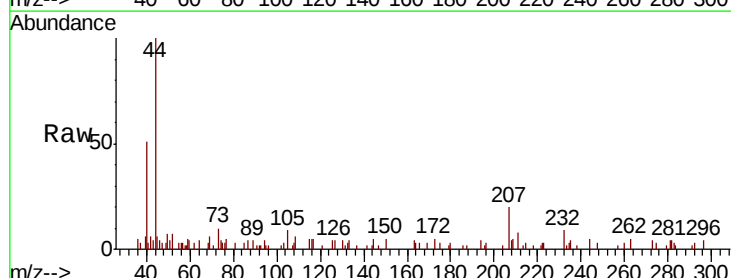
Instrument :
 MSVOA_F
 ClientSampled :

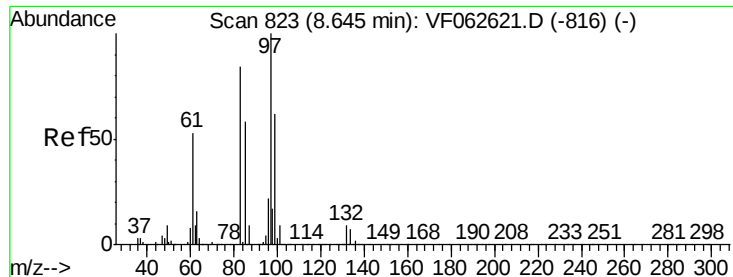
Tot Ion: 75 Resp: 234
 Ion Ratio Lower Upper
 75 100
 77 104.8 24.2 36.4#



#54
 cis-1,3-Dichloropropene
 Concen: 249.450 ug/l
 RT: 7.41 min Scan# 697
 Delta R.T. -0.06 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

Tgt Ion: 75 Resp: 442
 Ion Ratio Lower Upper
 75 100
 77 81.3 25.3 37.9#
 39 95.8 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 260.950 ug/l

RT: 8.59 min Scan# 817

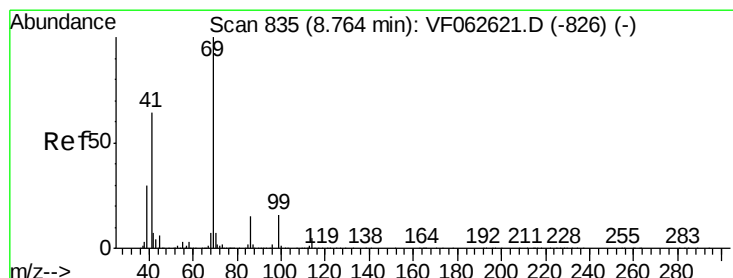
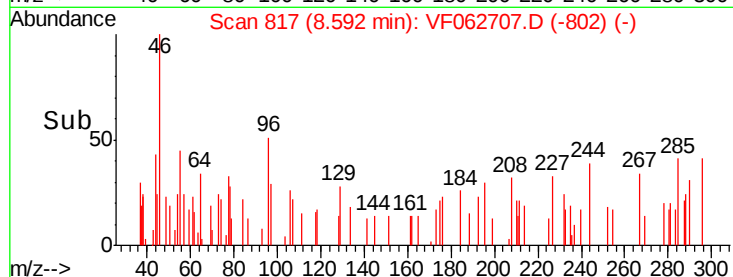
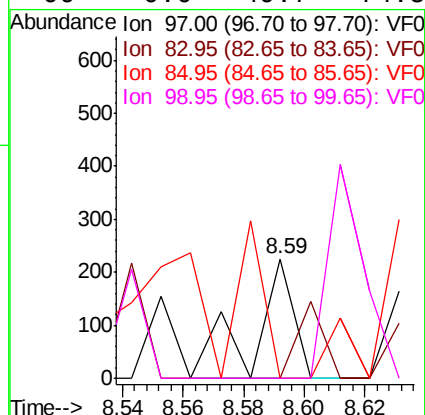
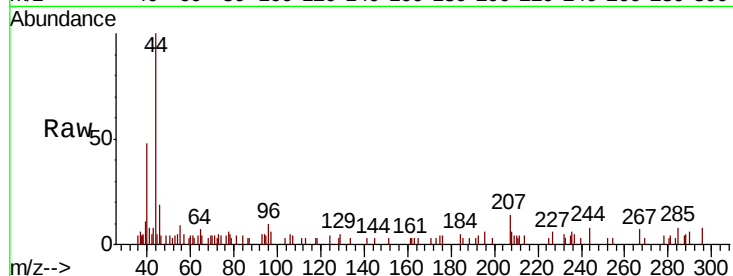
Delta R.T. -0.05 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	207
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.3	100.9#
85	0.0	46.6	69.8#
99	0.0	49.7	74.5#



#56

Ethyl methacrylate

Concen: 947.024 ug/l

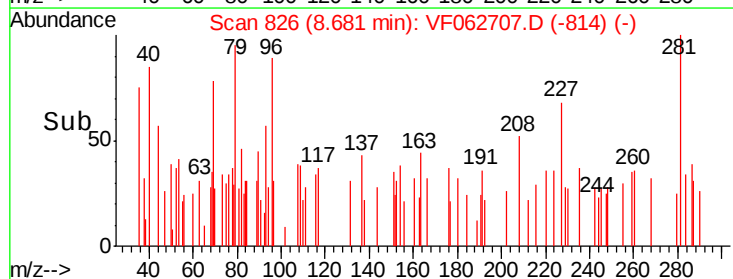
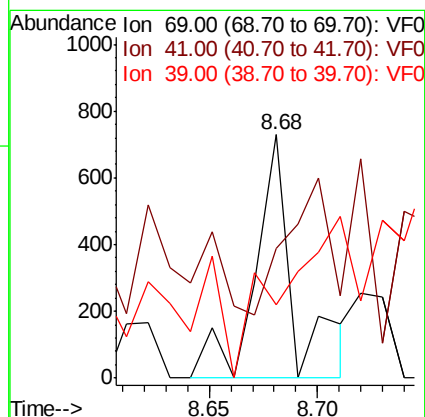
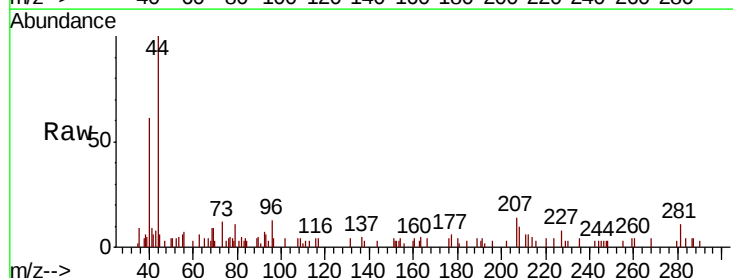
RT: 8.68 min Scan# 826

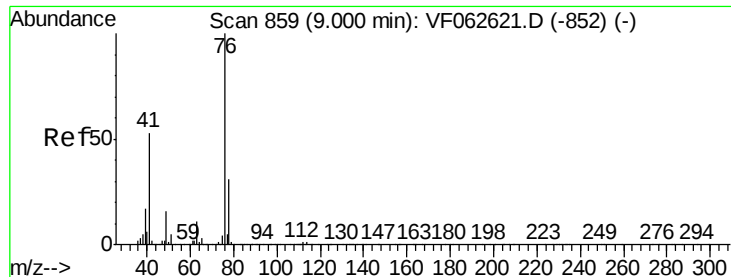
Delta R.T. -0.08 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	69	Resp:	895
Ion	Ratio	Lower	Upper
69	100		
41	53.5	51.4	77.2
39	29.9	23.6	35.4





#57

1,3-Dichloropropane

Concen: 46.627 ug/l

RT: 8.95 min Scan# 853

Delta R.T. -0.05 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

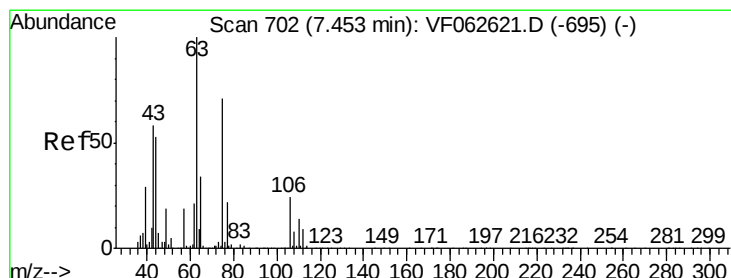
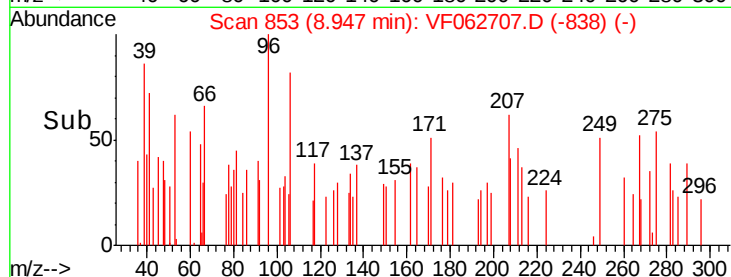
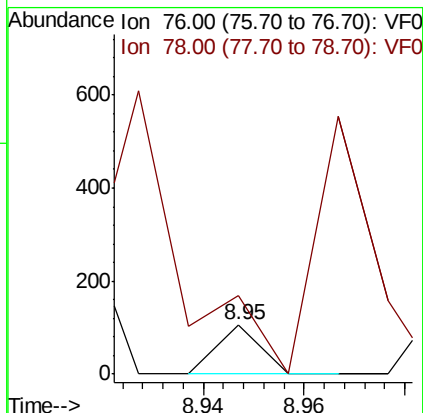
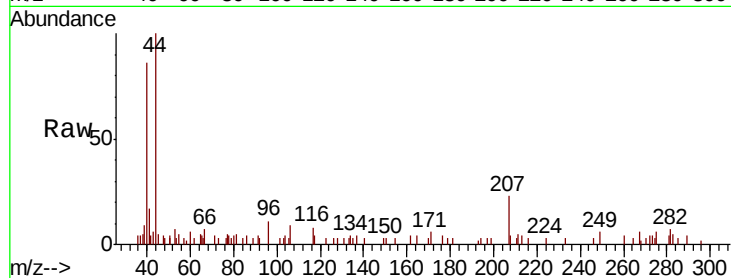
ClientSampleId :

Tot Ion: 76 Resp: 63

Ion Ratio Lower Upper

76 100

78 159.4 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 2217.025 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF062707.D

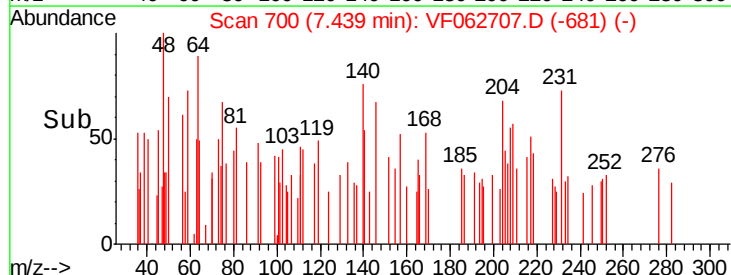
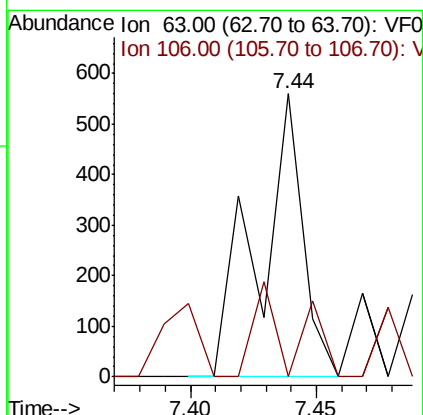
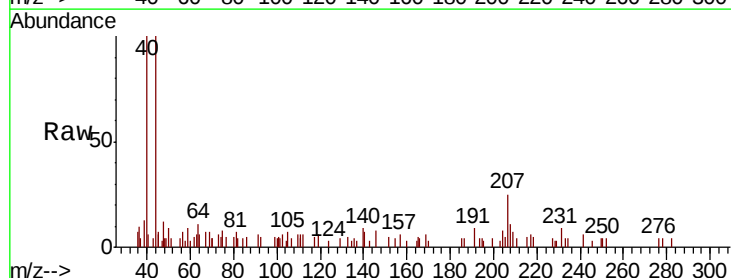
Acq: 22 May 2019 15:53

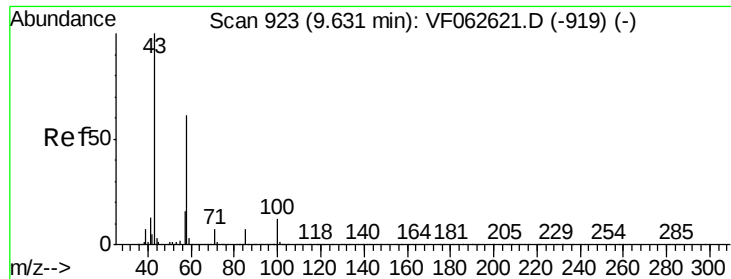
Tgt Ion: 63 Resp: 682

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

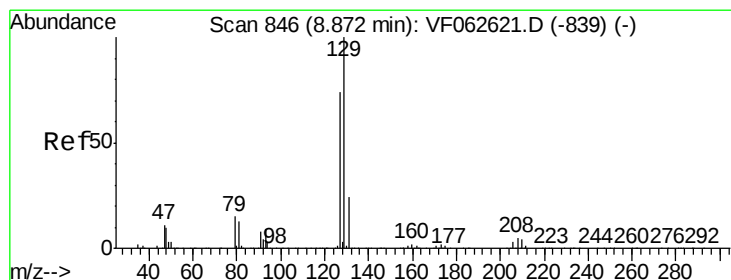
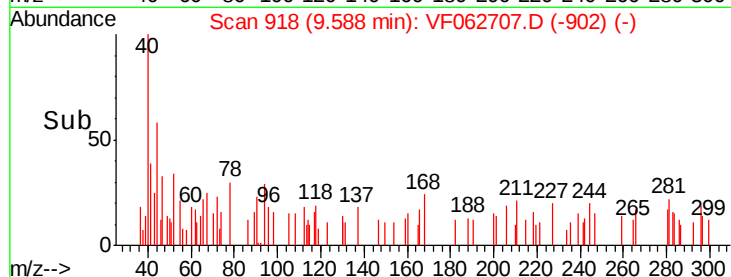
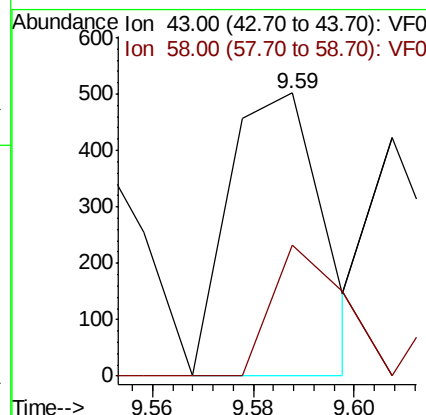
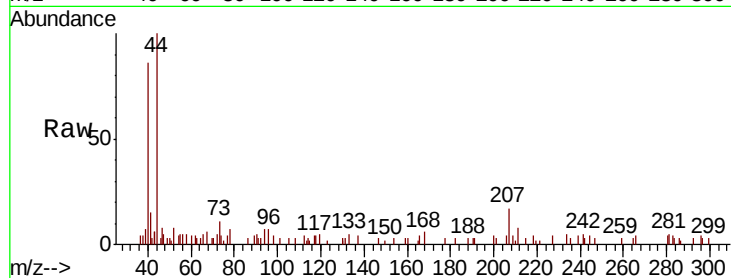




#59
2-Hexanone
Concen: 1574.770 ug/l
RT: 9.59 min Scan# 918
Delta R.T. -0.04 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

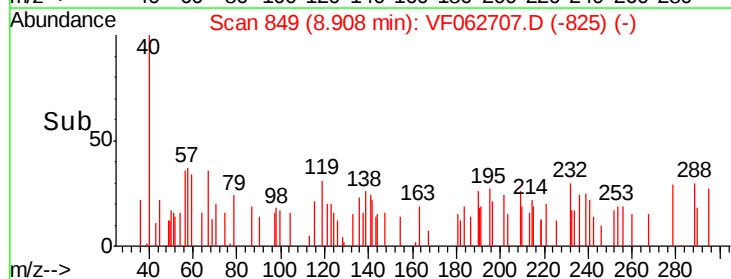
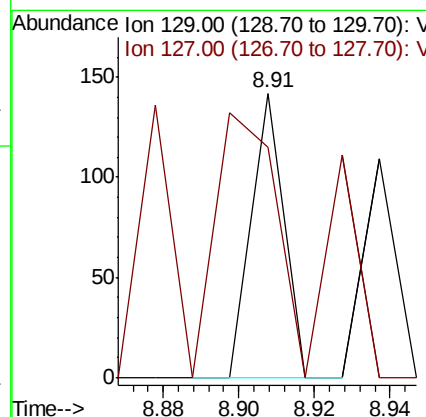
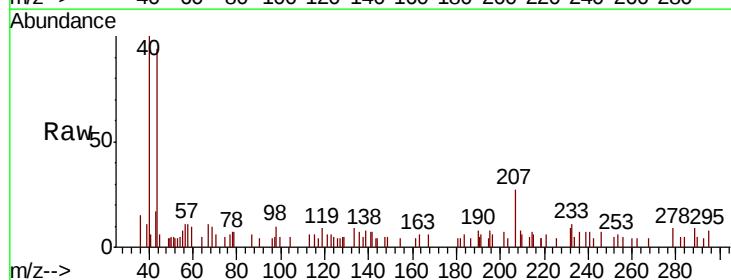
Instrument :
MSVOA_F
ClientSampled :

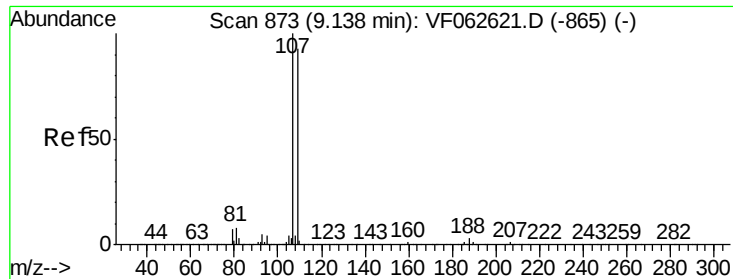
Tot Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
58 46.4 28.1 84.4



#60
Dibromochloromethane
Concen: 81.248 ug/l
RT: 8.91 min Scan# 849
Delta R.T. 0.04 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion: 129 Resp: 84
Ion Ratio Lower Upper
129 100
127 81.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 751.284 ug/l

RT: 9.07 min Scan# 865

Delta R.T. -0.07 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

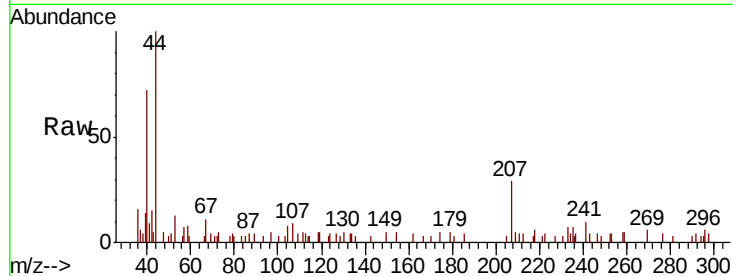
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 633

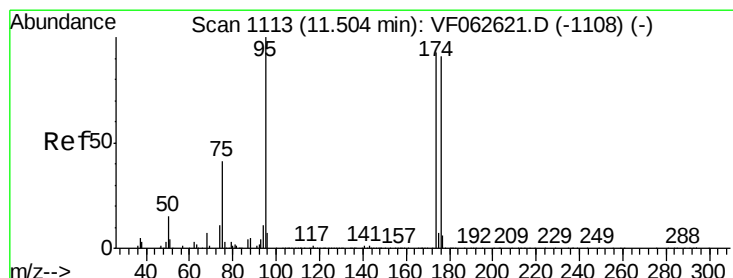
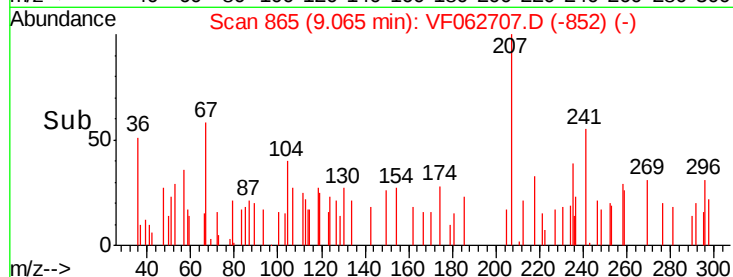
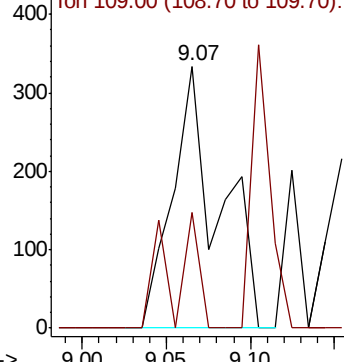
Ion Ratio Lower Upper

107 100

109 44.3 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: 112.771 ug/l

RT: 11.37 min Scan# 1099

Delta R.T. -0.13 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

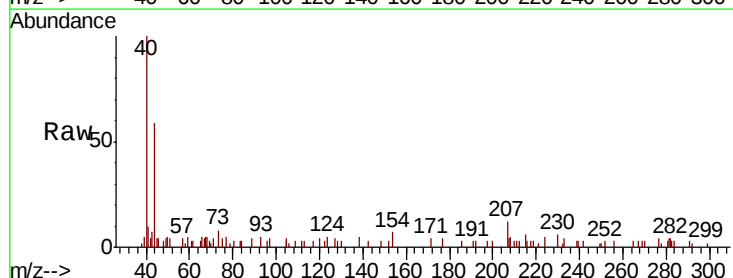
Tgt Ion: 95 Resp: 143

Ion Ratio Lower Upper

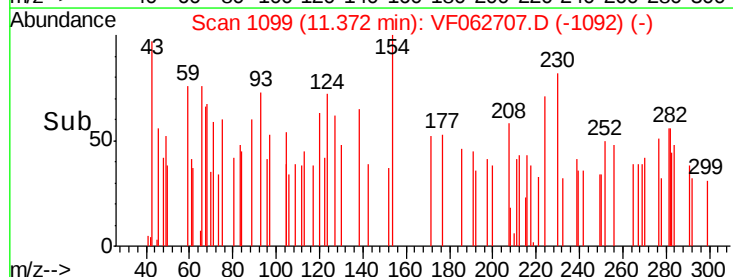
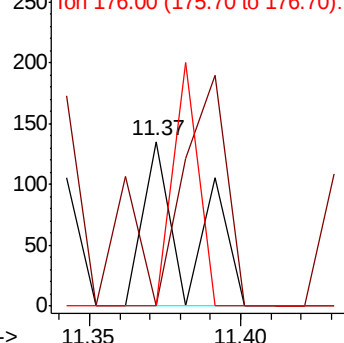
95 100

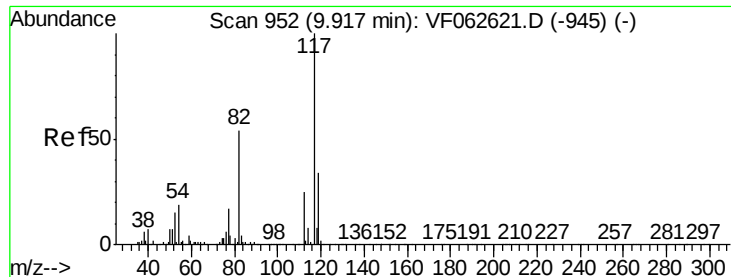
174 0.0 0.0 185.6

176 0.0 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

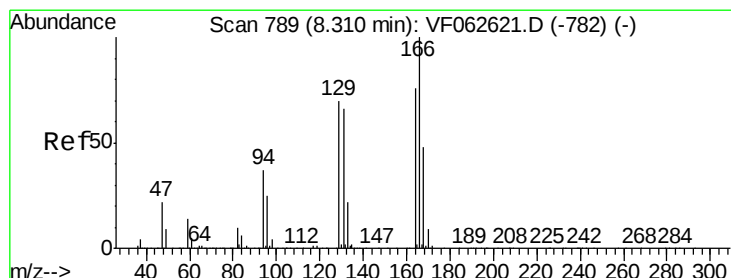
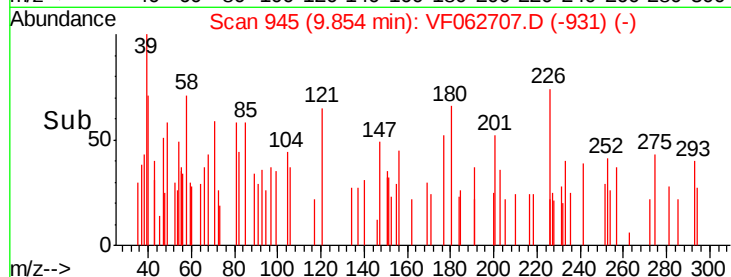
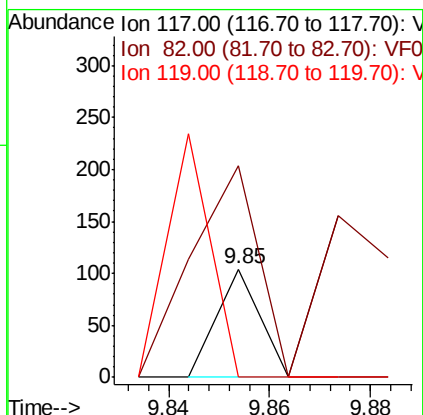
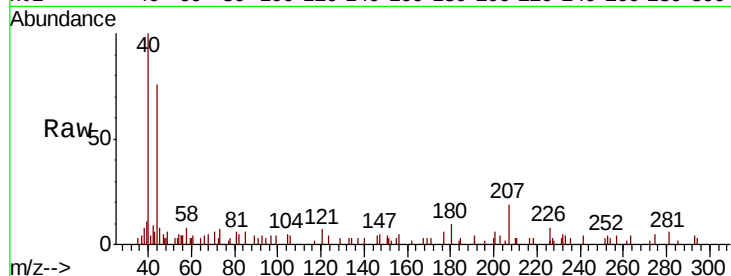




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.85 min Scan# 945
Delta R.T. -0.06 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

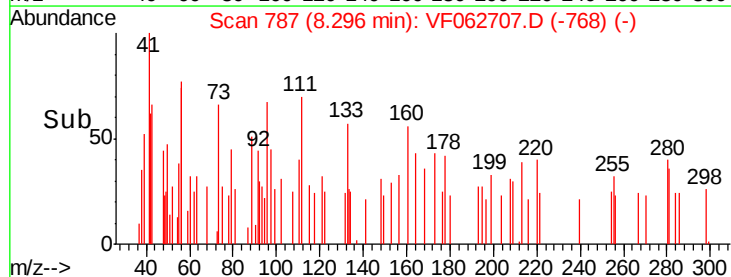
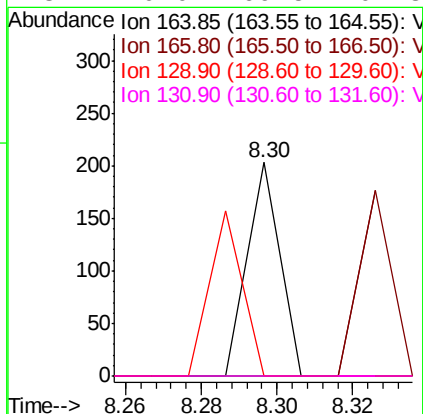
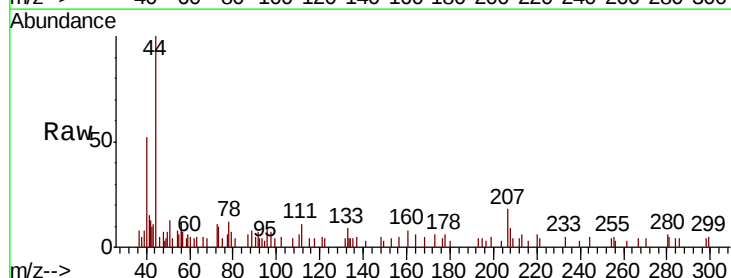
Instrument :
MSVOA_F
ClientSampleId :

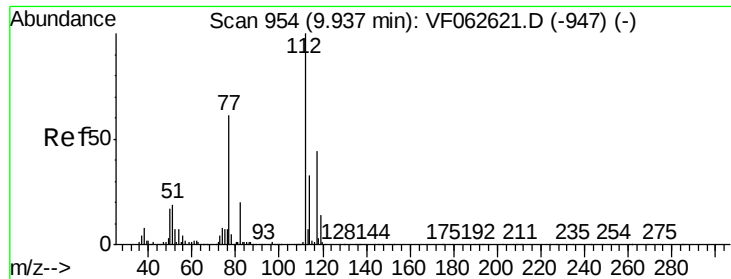
Tot Ion	Ratio	Lower	Upper
117	100		
82	196.2	43.3	64.9#
119	0.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 248.314 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

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





#65

Chlorobenzene

Concen: 217.010 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

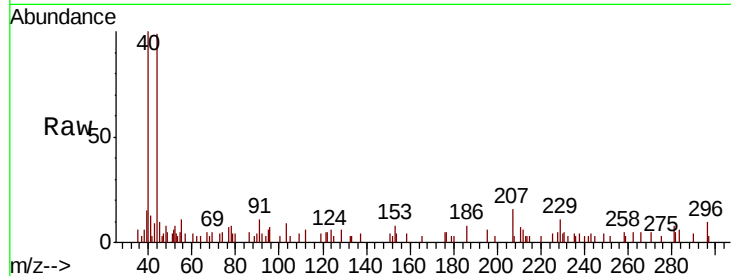
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 260

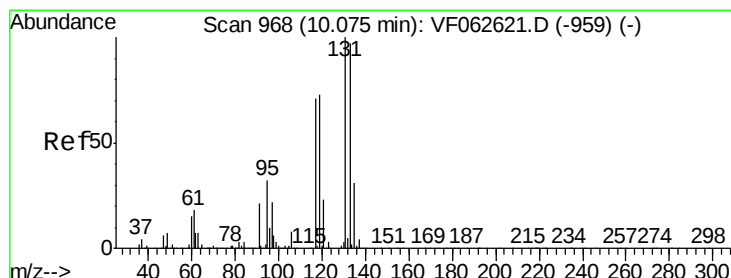
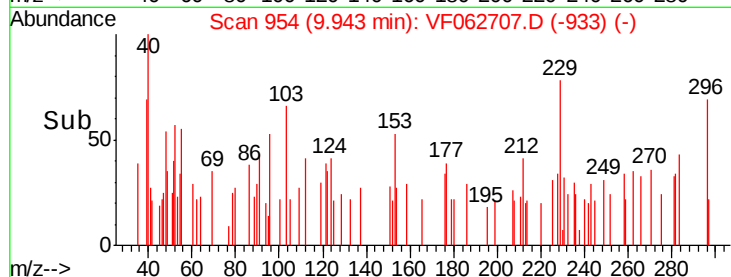
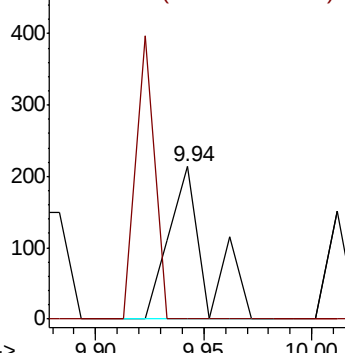
Ion Ratio Lower Upper

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: 141.380 ug/l

RT: 10.09 min Scan# 969

Delta R.T. 0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

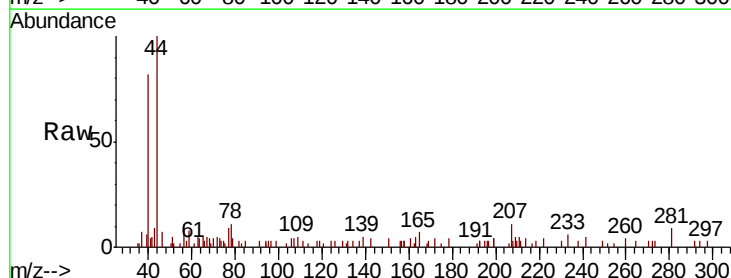
Tgt Ion:131 Resp: 68

Ion Ratio Lower Upper

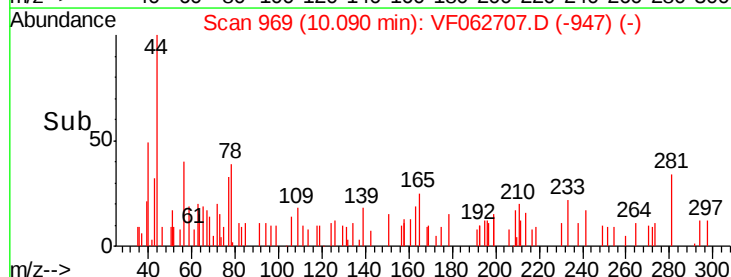
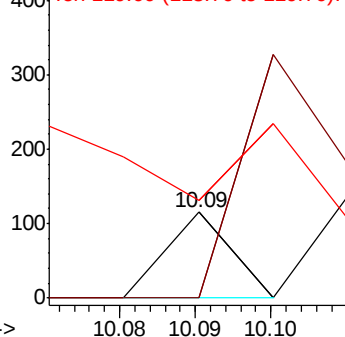
131 100

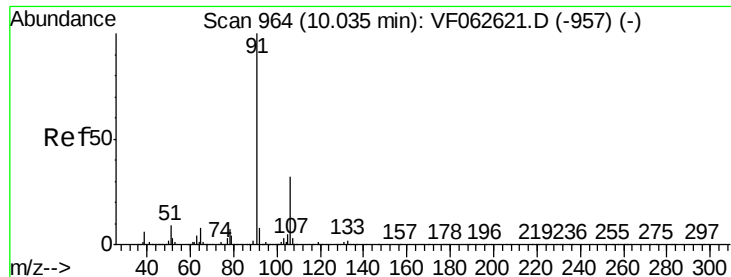
133 0.0 48.5 145.5#

119 114.8 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: 67.744 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

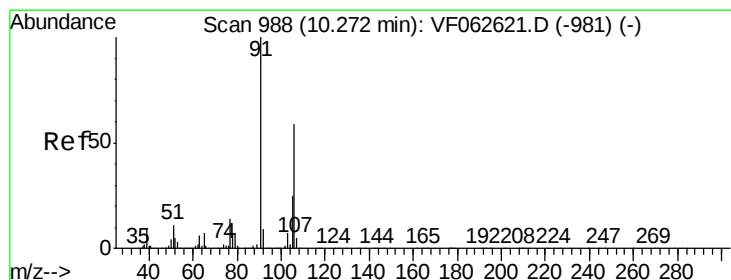
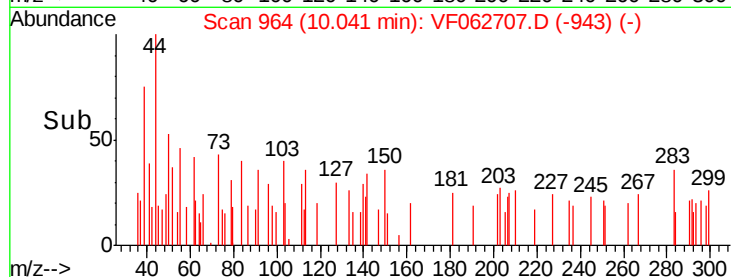
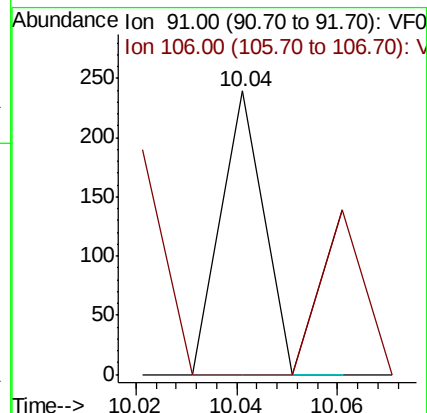
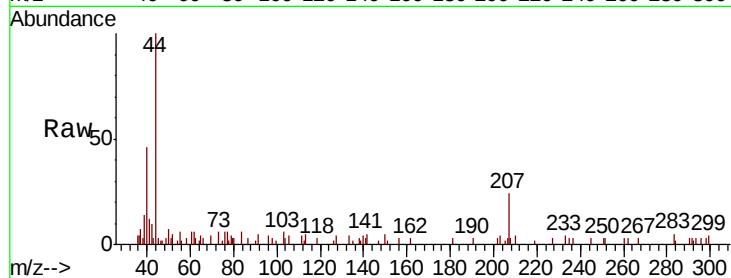
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 141

Ion Ratio Lower Upper

91 100

106 0.0 25.8 38.8#



#68

m/p-Xylenes

Concen: 100.989 ug/l

RT: 10.21 min Scan# 981

Delta R.T. -0.06 min

Lab File: VF062707.D

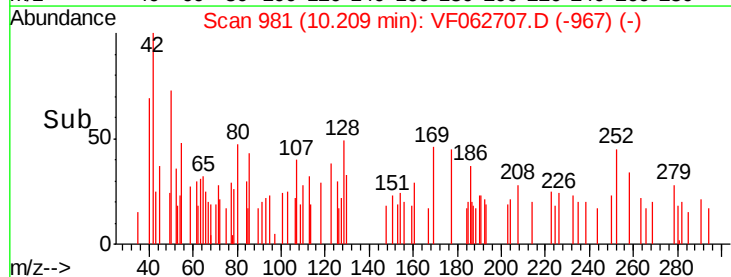
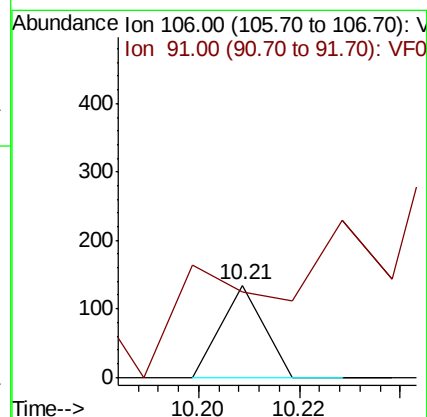
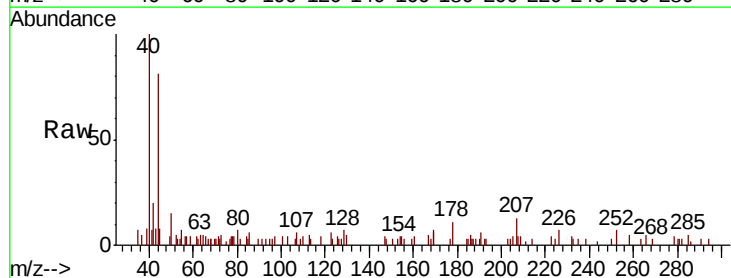
Acq: 22 May 2019 15:53

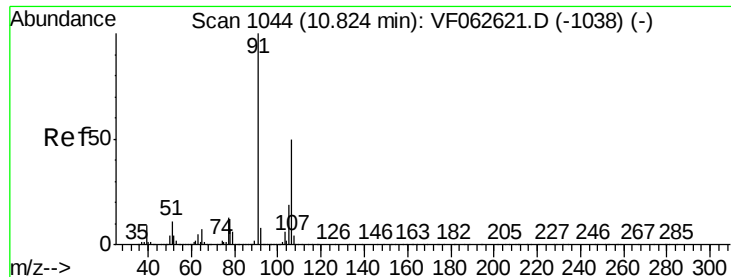
Tgt Ion: 106 Resp: 79

Ion Ratio Lower Upper

106 100

91 92.5 136.9 205.3#

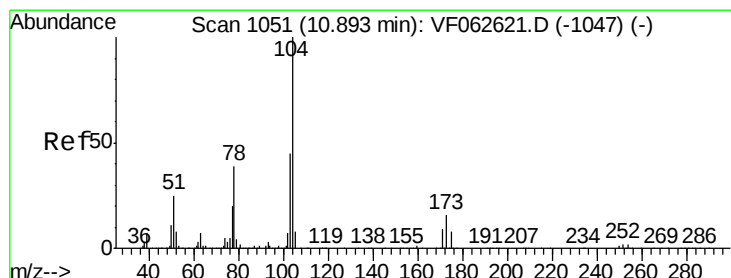
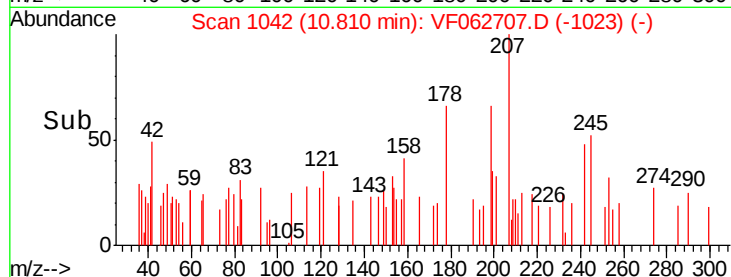
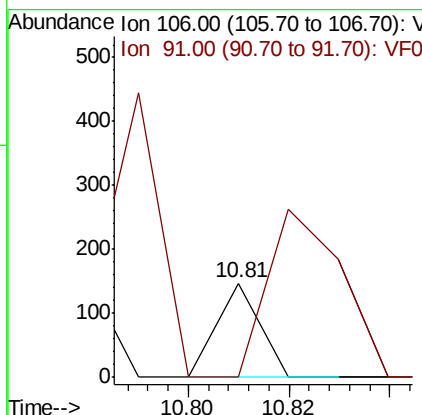
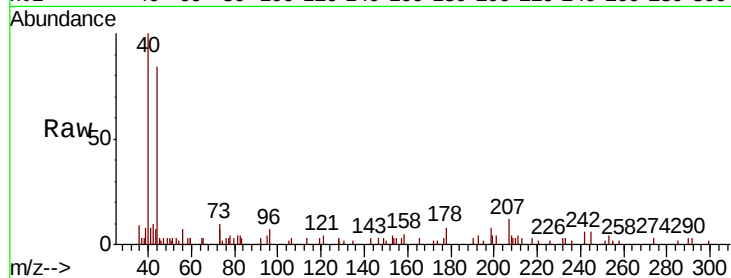




#69
o-Xylene
Concen: 106.734 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

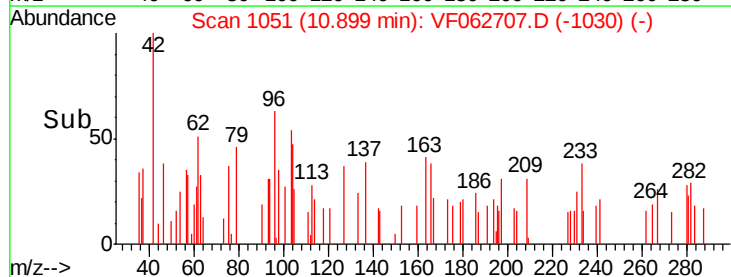
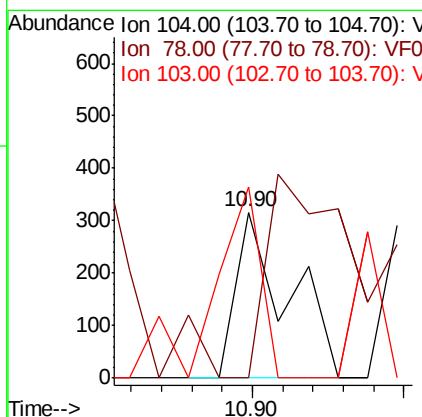
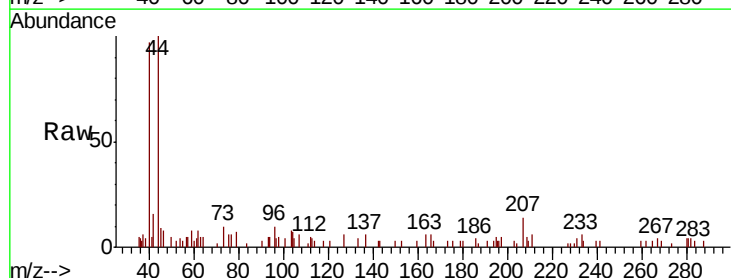
Instrument :
MSVOA_F
ClientSampleId :

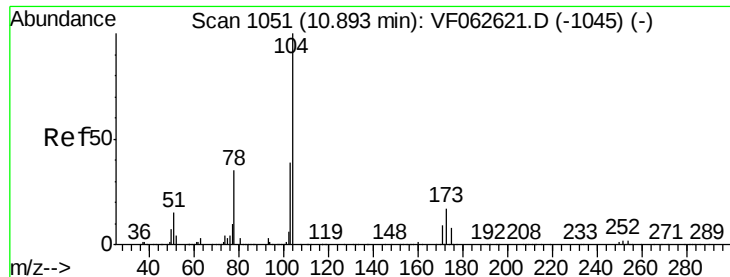
Tot Ion:106 Resp: 86
Ion Ratio Lower Upper
106 100
91 0.0 100.2 300.5#



#70
Styrene
Concen: 307.836 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062707.D
Acq: 22 May 2019 15:53

Tgt Ion:104 Resp: 377
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 115.5 36.1 54.1#





#71

Bromoform

Concen: 352.859 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

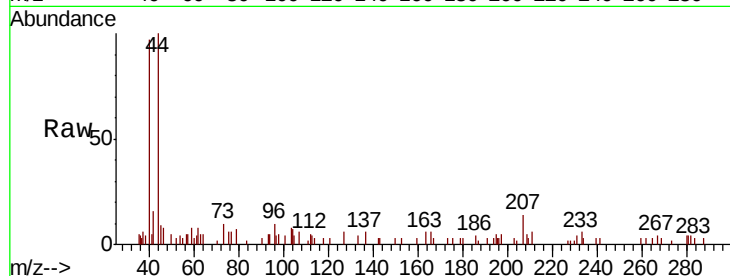
Tot Ion:173 Resp: 85

Ion Ratio Lower Upper

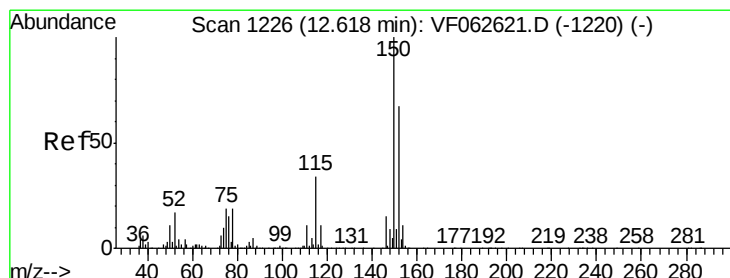
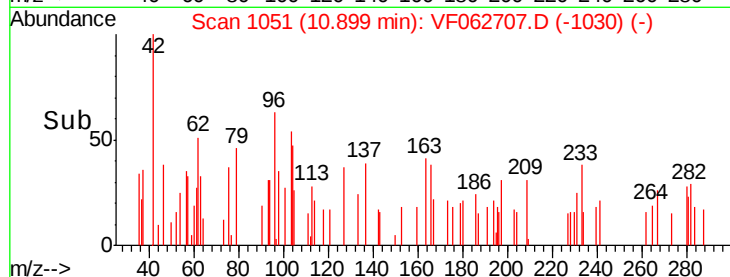
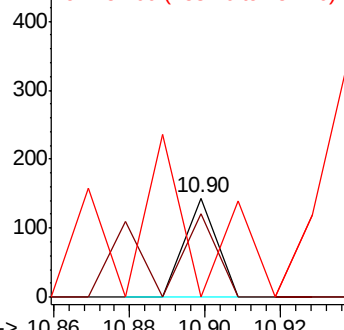
173 100

175 83.3 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: 12.74 min Scan# 1238

Delta R.T. 0.12 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

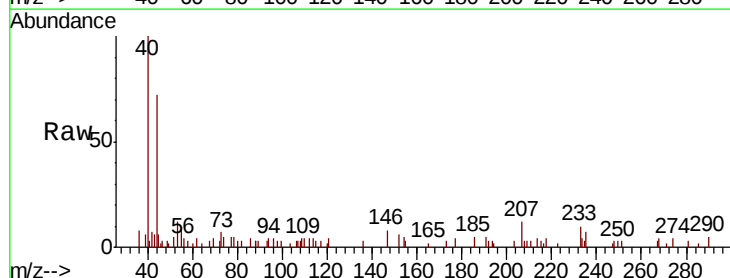
Tgt Ion:152 Resp: 167

Ion Ratio Lower Upper

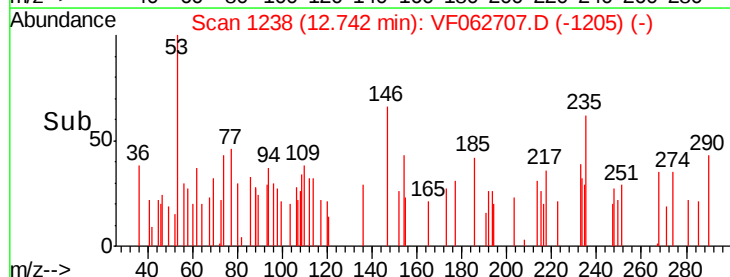
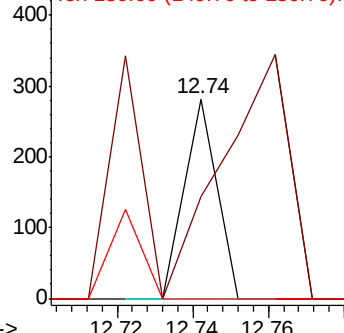
152 100

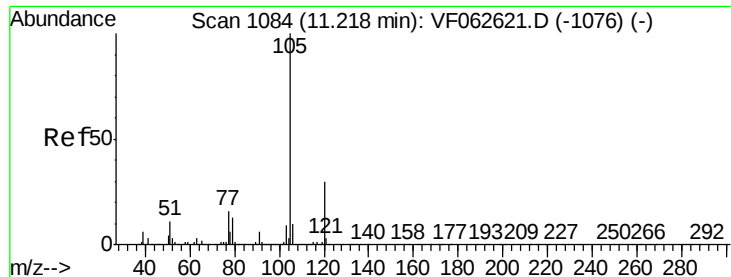
115 51.1 25.2 75.6

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: 5.932 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

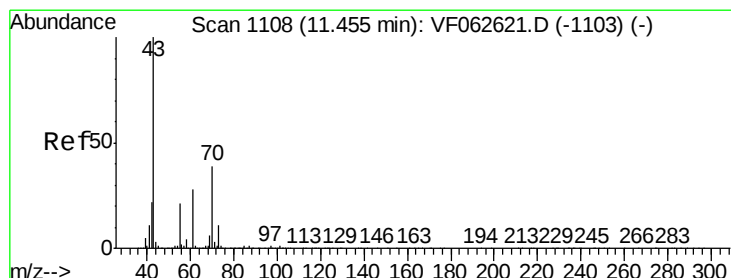
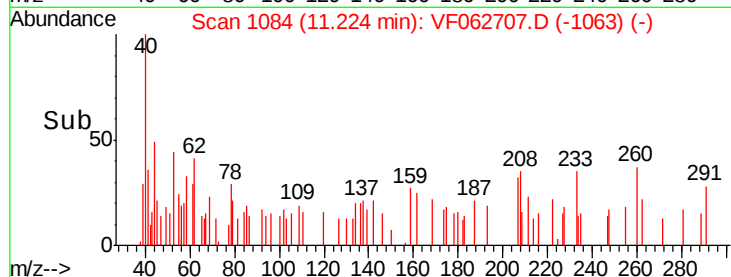
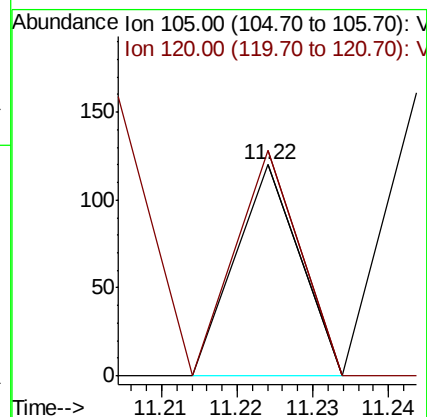
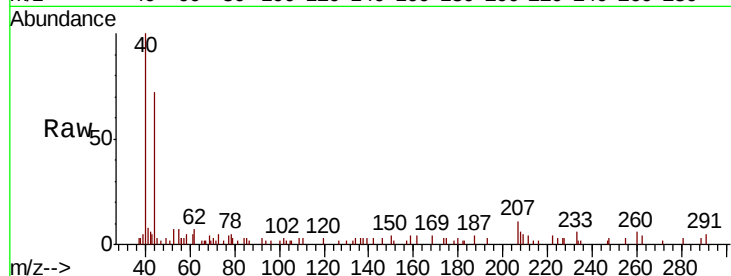
ClientSampleId :

Tot Ion: 105 Resp: 71

Ion Ratio Lower Upper

105 100

120 106.7 14.8 44.4#



#74

N-ethyl acetate

Concen: 588.052 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion: 43 Resp: 1614

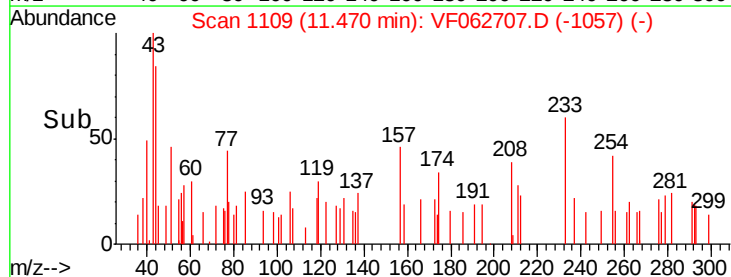
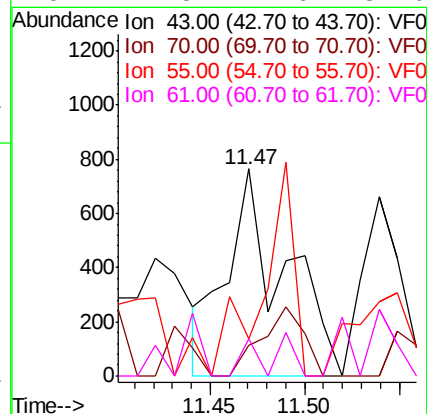
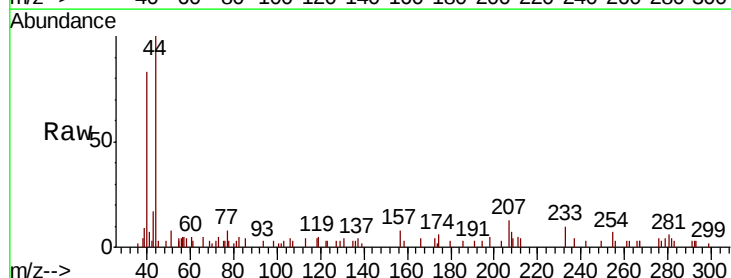
Ion Ratio Lower Upper

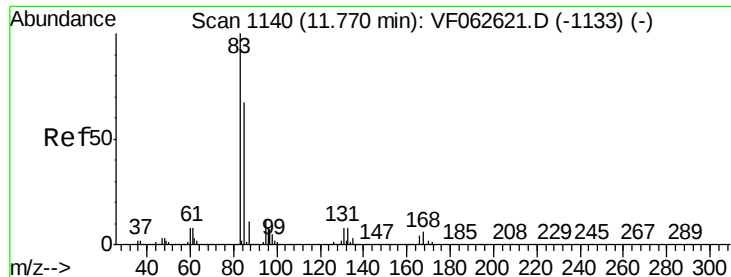
43 100

70 14.5 30.9 46.3#

55 17.9 17.0 25.4

61 17.8 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 41.291 ug/l

RT: 11.75 min Scan# 1137

Delta R.T. -0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

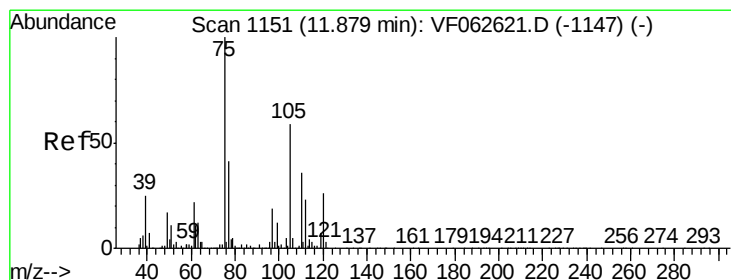
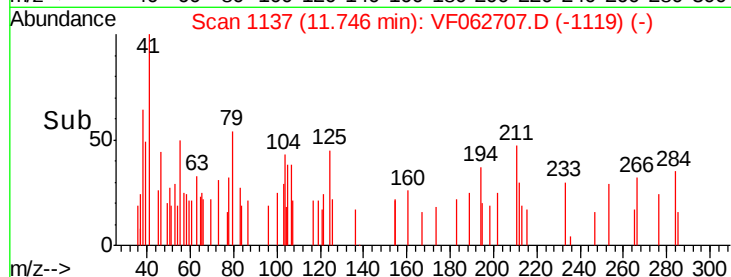
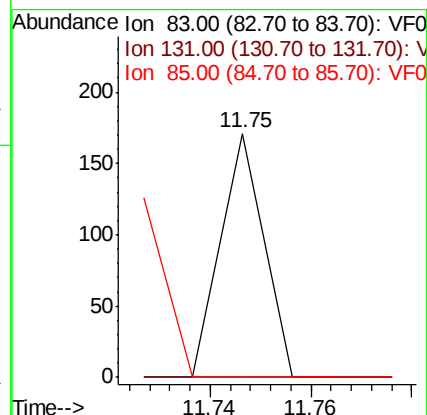
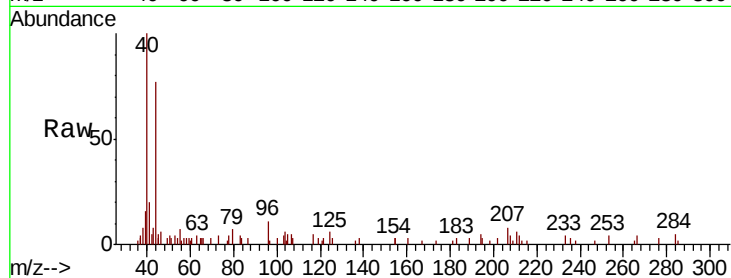
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 244.522 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062707.D

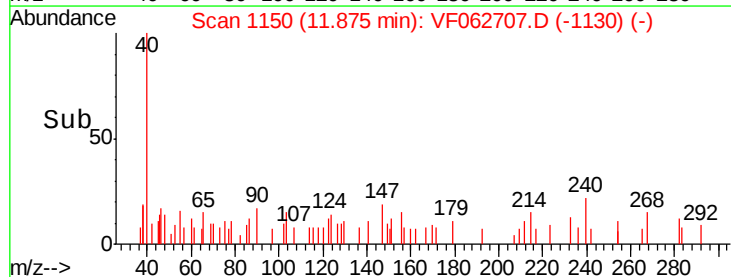
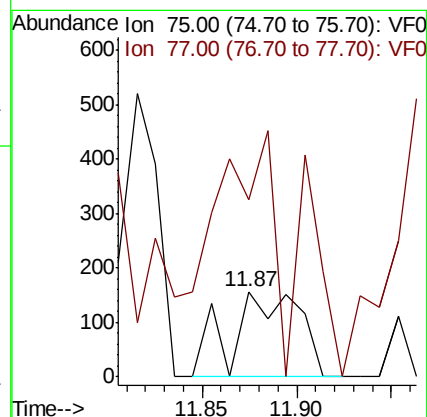
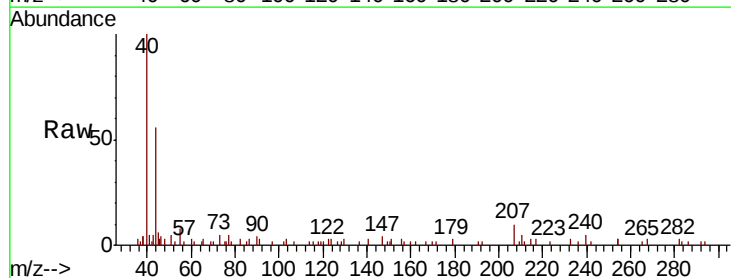
Acq: 22 May 2019 15:53

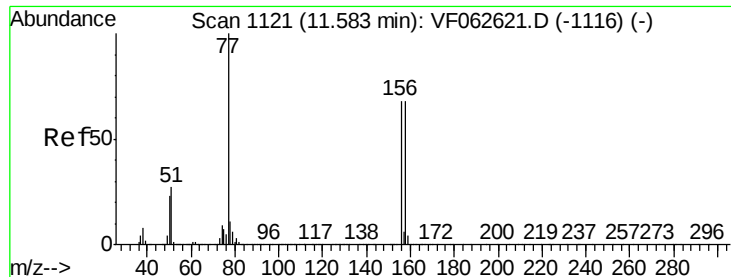
Tgt Ion: 75 Resp: 393

Ion Ratio Lower Upper

75 100

77 207.6 20.6 61.8#





#77

Bromobenzene

Concen: 79.660 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.13 min

Lab File: VF062707.D

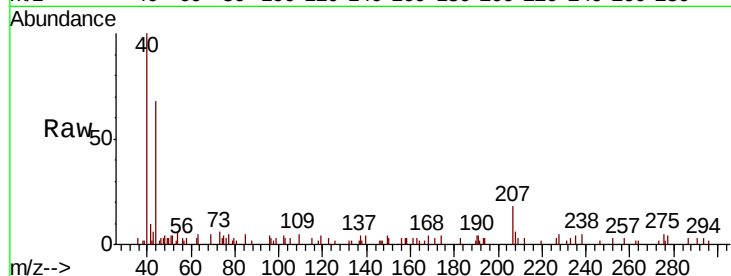
Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

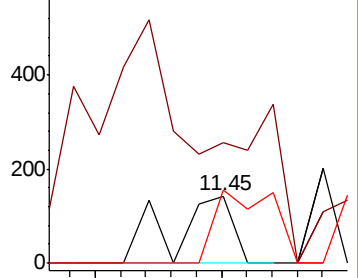
Tot Ion:	156	Resp:	237
Ion	Ratio	Lower	Upper
156	100		
77	180.3	73.6	220.8
158	109.9	49.6	148.8



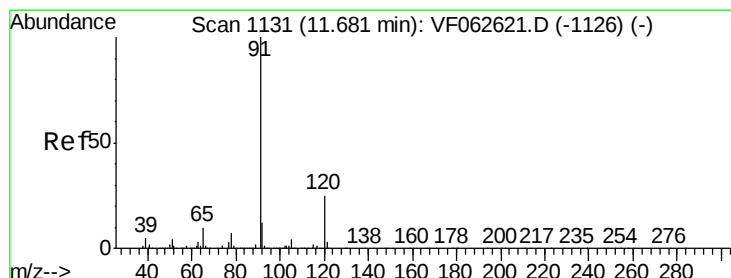
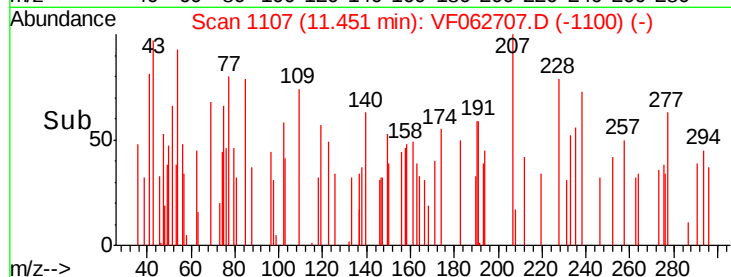
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



Time-->



#78

n-propylbenzene

Concen: 32.686 ug/l

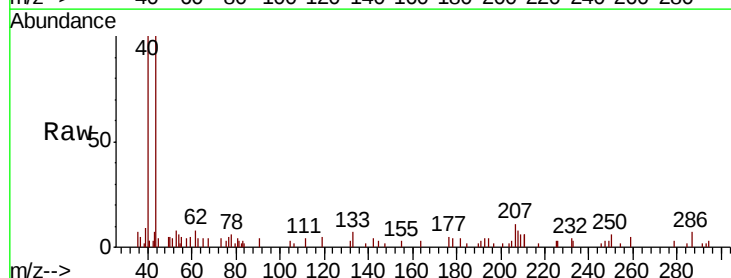
RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062707.D

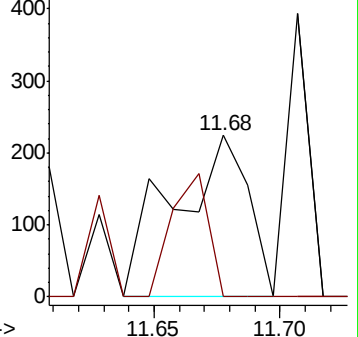
Acq: 22 May 2019 15:53

Tgt Ion:	91	Resp:	463
Ion	Ratio	Lower	Upper
91	100		
120	0.0	12.7	38.1#

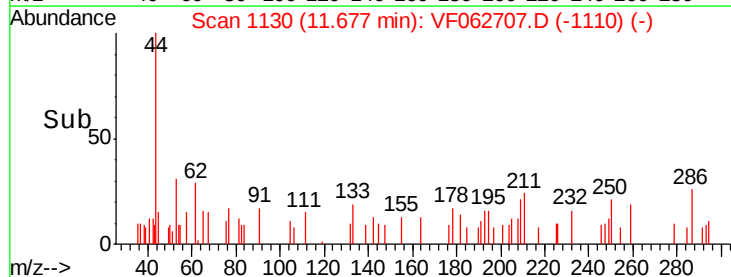


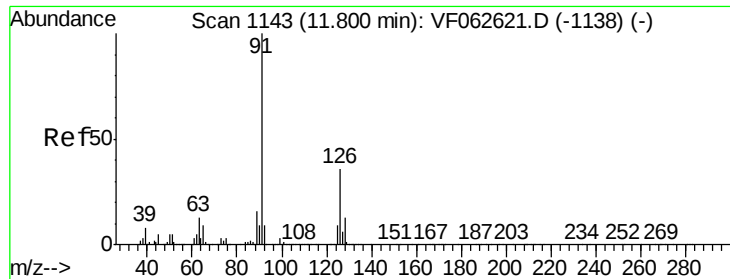
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 34.824 ug/l

RT: 11.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

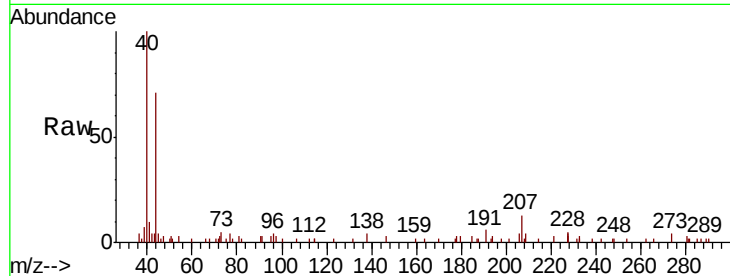
ClientSampled :

Tot Ion: 91 Resp: 278

Ion Ratio Lower Upper

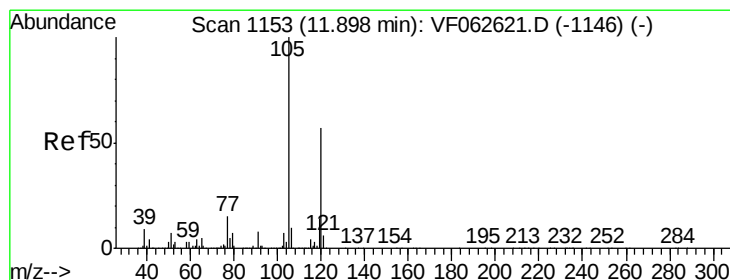
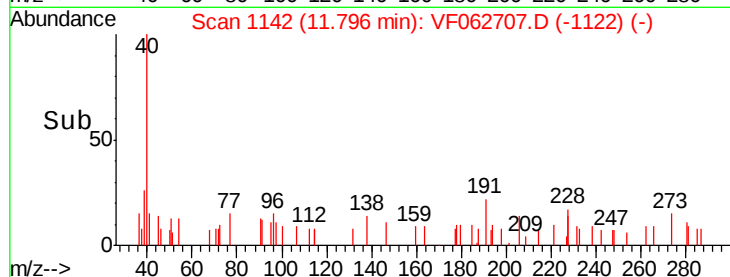
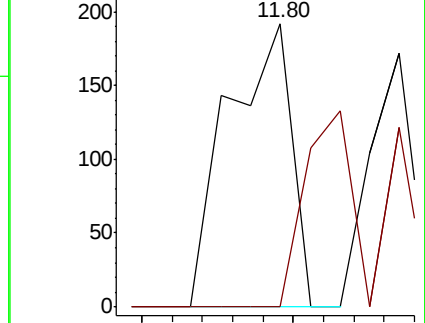
91 100

126 0.0 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: 10.524 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062707.D

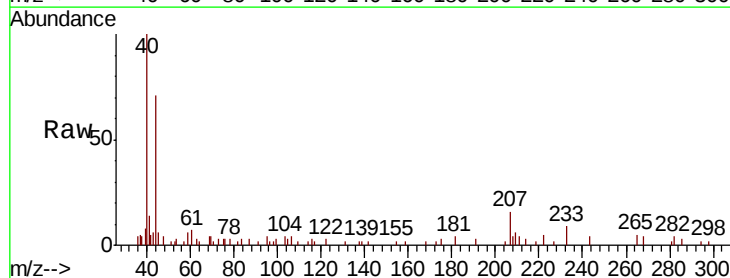
Acq: 22 May 2019 15:53

Tgt Ion: 105 Resp: 101

Ion Ratio Lower Upper

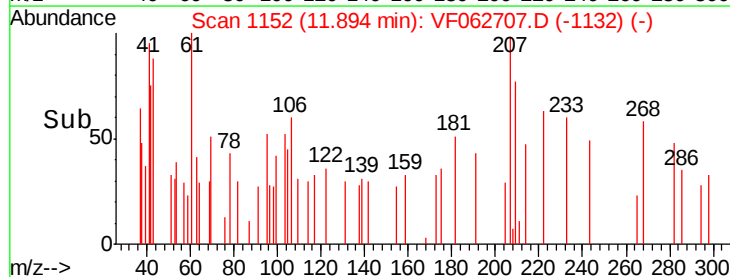
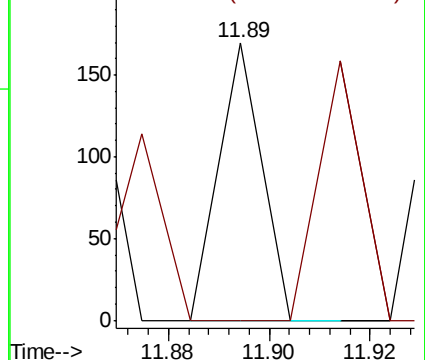
105 100

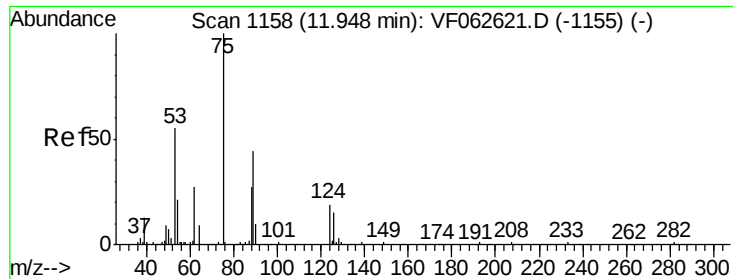
120 0.0 28.7 86.3#



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: 506.706 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.04 min

Lab File: VF062707.D

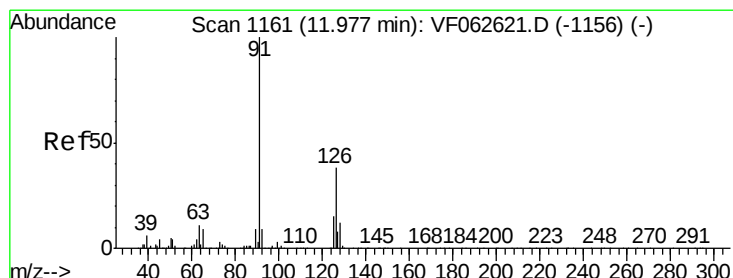
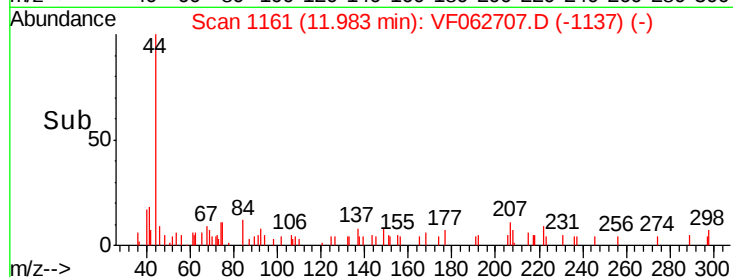
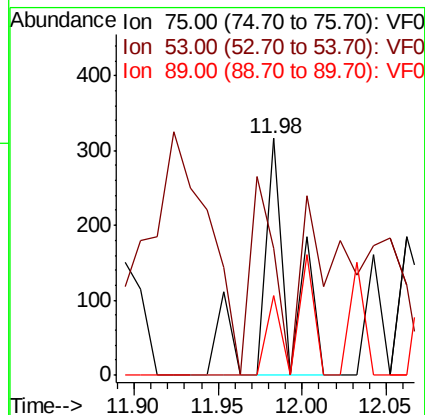
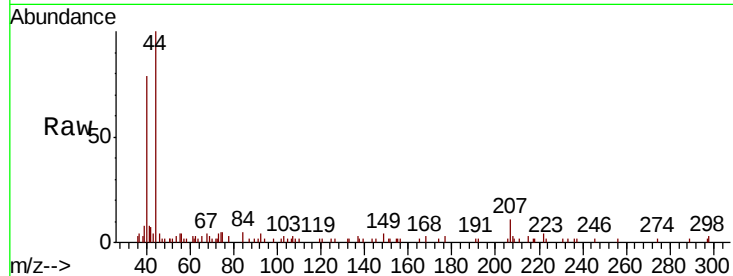
Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	75	Resp:	362
Ion	Ratio	Lower	Upper
75	100		
53	53.5	46.9	70.3
89	33.5	36.4	54.6#



#82

4-Chlorotoluene

Concen: 70.628 ug/l

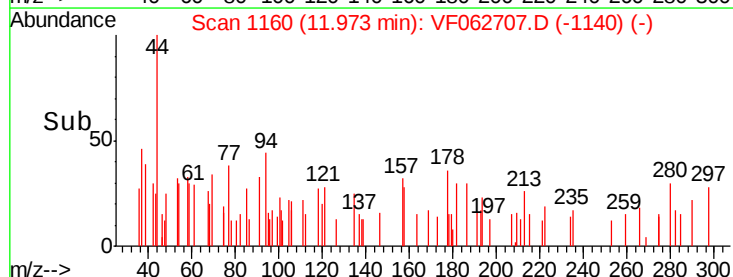
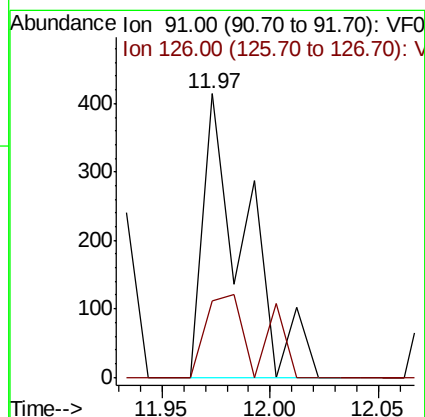
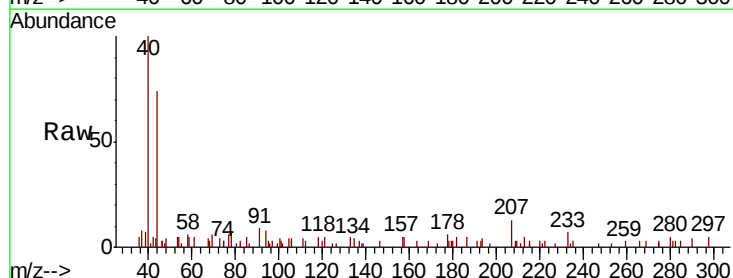
RT: 11.97 min Scan# 1160

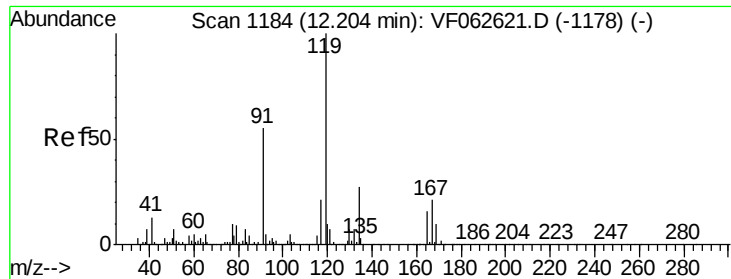
Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	91	Resp:	556
Ion	Ratio	Lower	Upper
91	100		
126	26.8	19.1	57.1





#83

tert-Butylbenzene

Concen: 8.113 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF062707.D

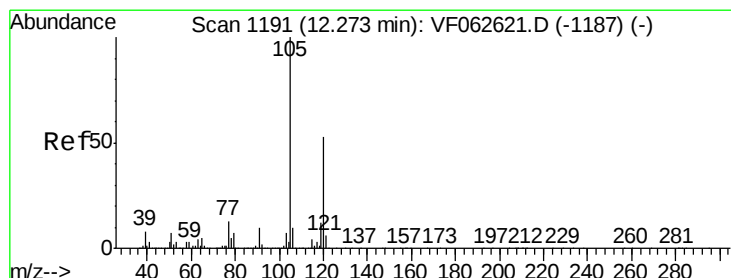
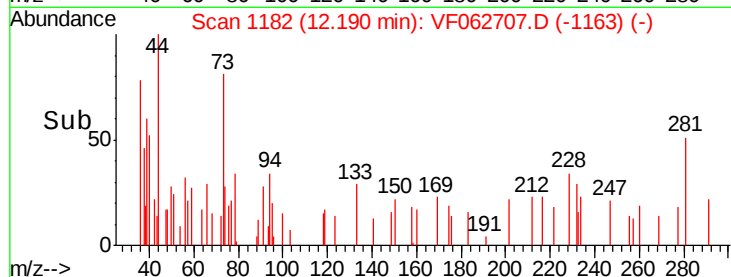
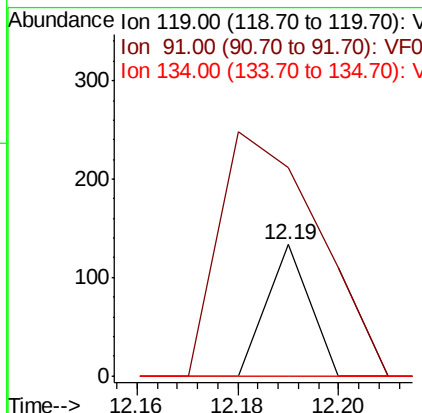
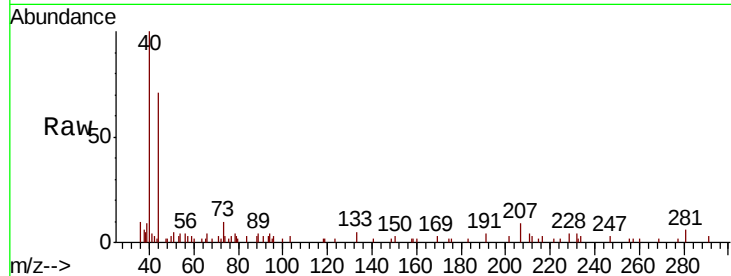
Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	119	Resp:	79
Ion	Ratio	Lower	Upper
119	100		
91	159.4	27.3	81.9#
134	0.0	13.6	40.7#



#84

1,2,4-Trimethylbenzene

Concen: 48.121 ug/l

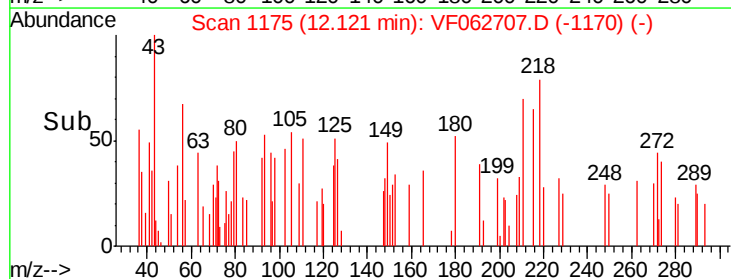
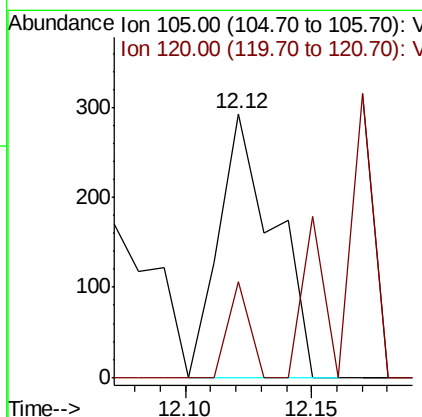
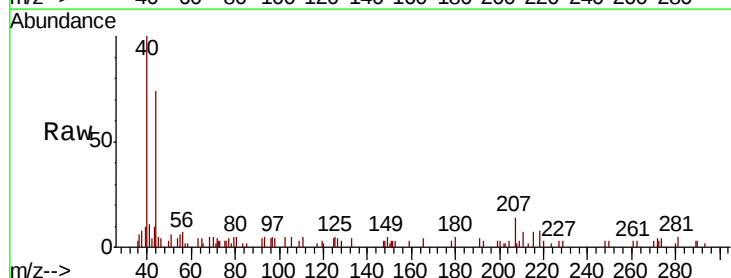
RT: 12.12 min Scan# 1175

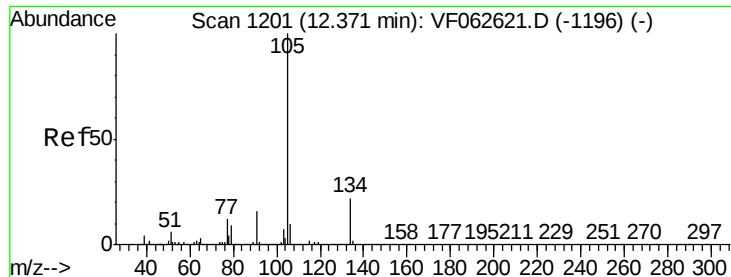
Delta R.T. -0.15 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	105	Resp:	447
Ion	Ratio	Lower	Upper
105	100		
120	36.2	26.7	80.1





#85

sec-Butylbenzene

Concen: 9.413 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

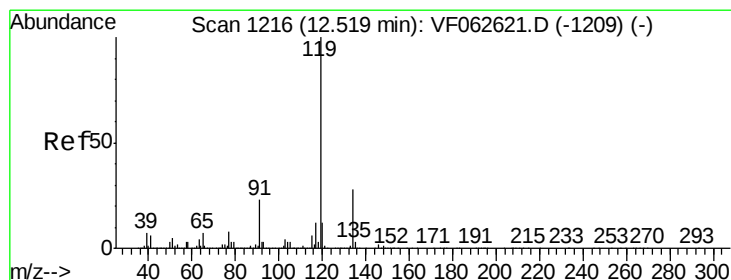
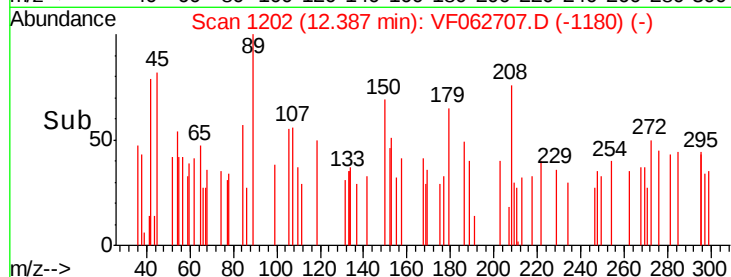
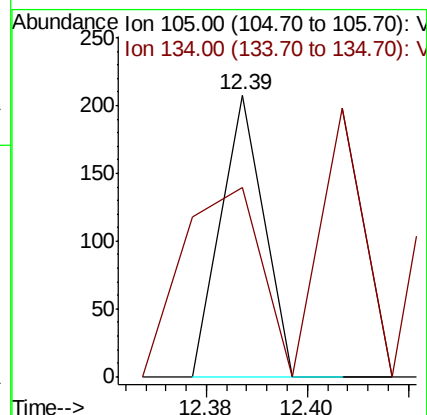
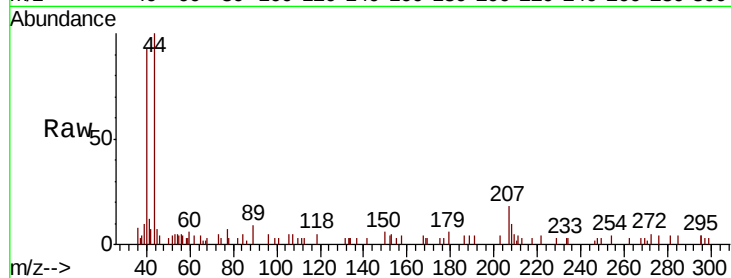
ClientSampled :

Tot Ion:105 Resp: 123

Ion Ratio Lower Upper

105 100

134 67.3 10.8 32.4#



#86

p-Isopropyltoluene

Concen: 5.993 ug/l

RT: 12.52 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

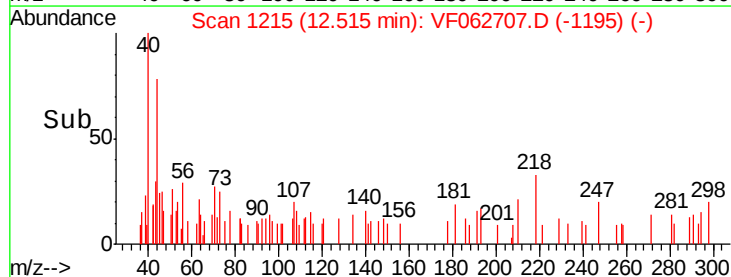
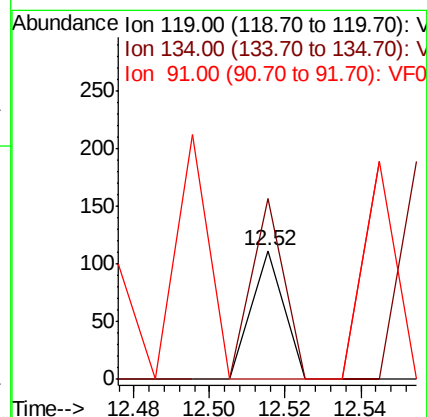
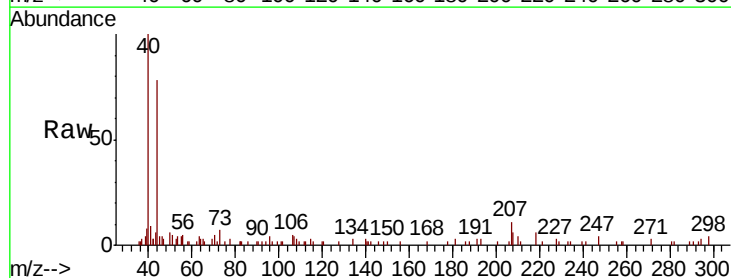
Tgt Ion:119 Resp: 66

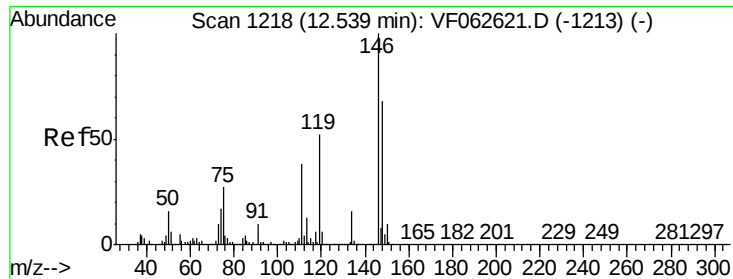
Ion Ratio Lower Upper

119 100

134 141.4 14.1 42.3#

91 0.0 11.4 34.2#

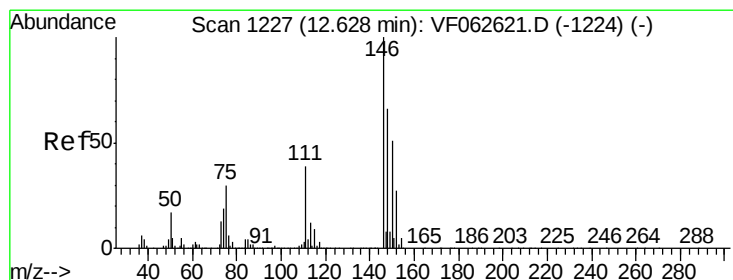
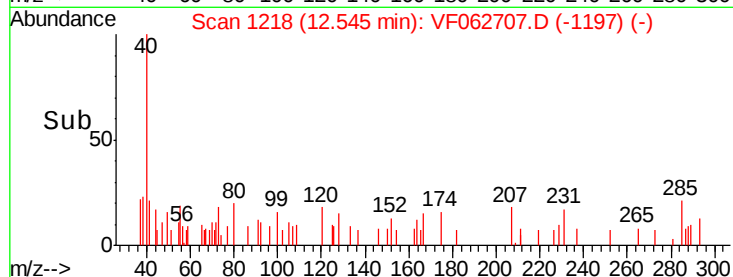
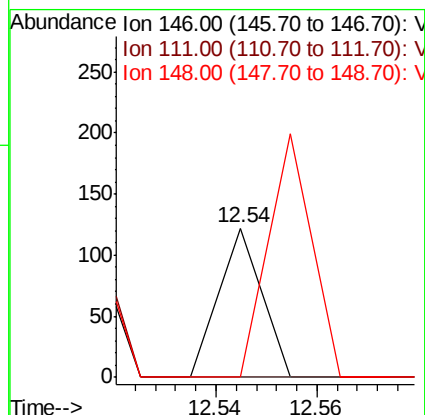
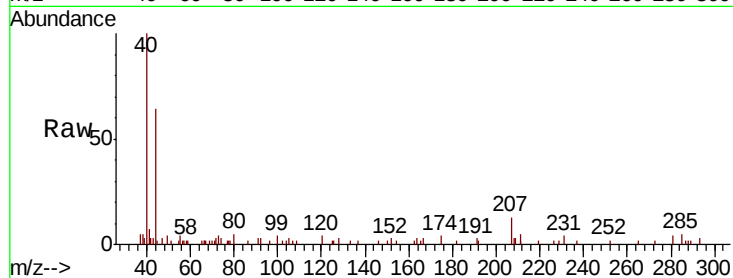




#87
 1,3-Dichlorobenzene
 Concen: 13.376 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

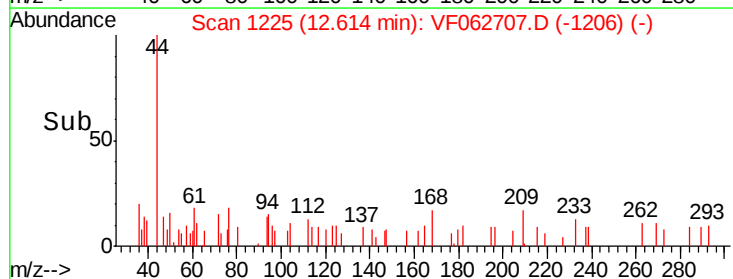
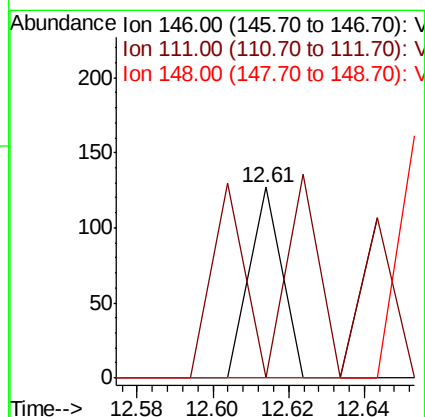
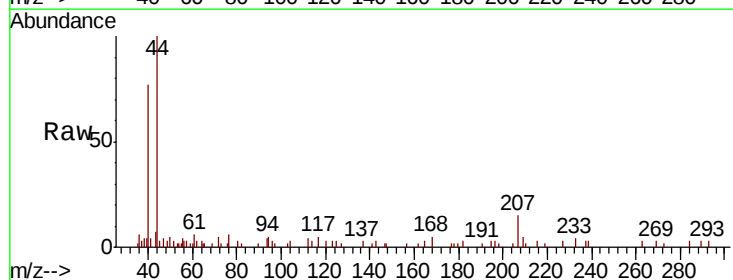
Instrument :
 MSVOA_F
 ClientSampled :

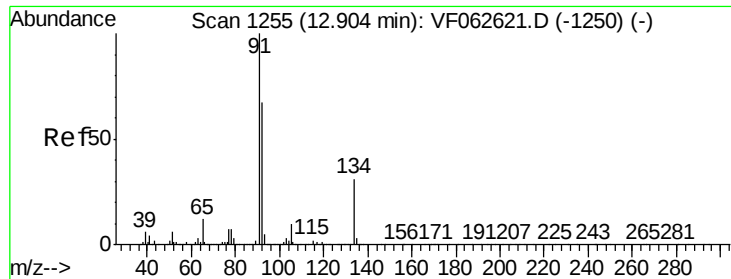
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	0.0	34.0	101.8#



#88
 1,4-Dichlorobenzene
 Concen: 14.848 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062707.D
 Acq: 22 May 2019 15:53

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





#89

n-Butylbenzene

Concen: 7.276 ug/l

RT: 12.89 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampled :

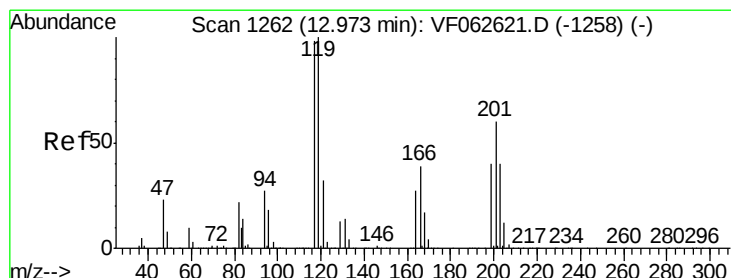
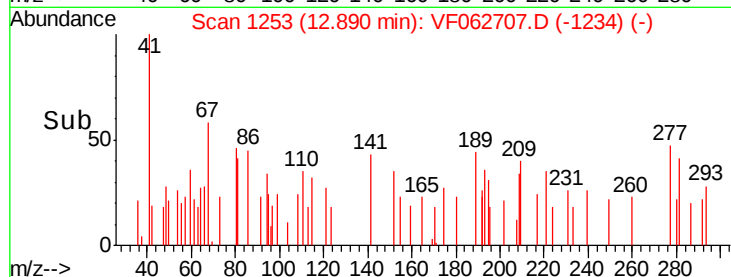
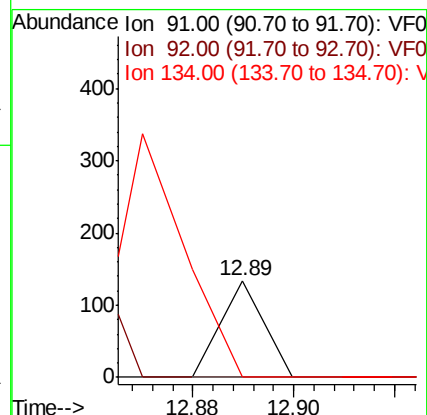
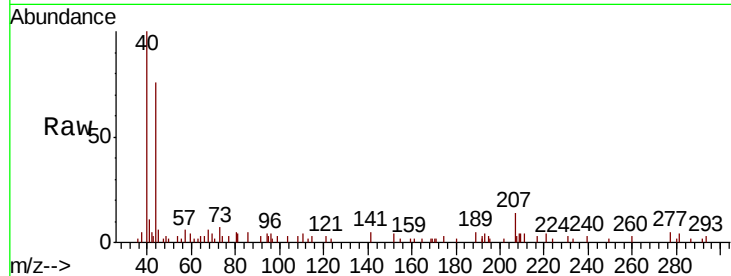
Tot Ion: 91 Resp: 79

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 122.267 ug/l

RT: 12.96 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VF062707.D

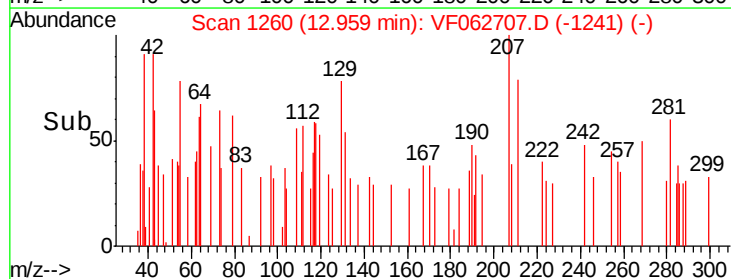
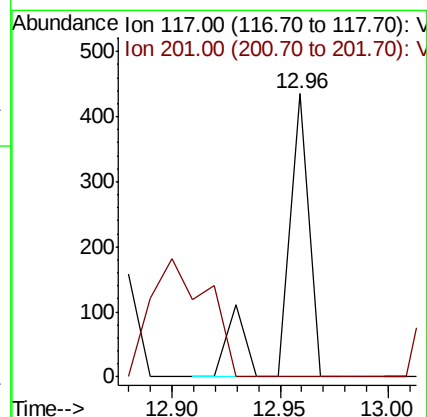
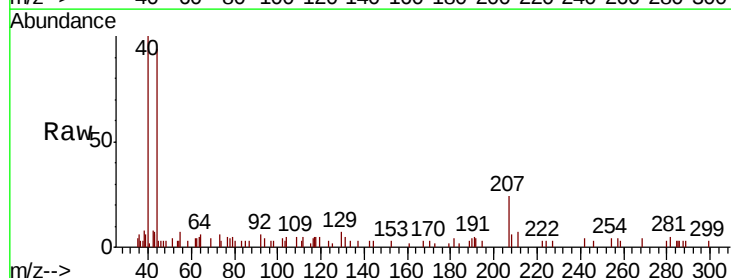
Acq: 22 May 2019 15:53

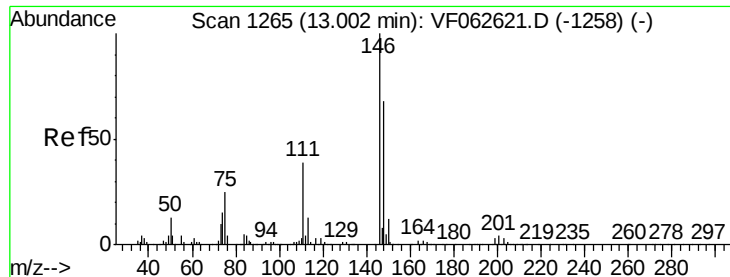
Tgt Ion: 117 Resp: 323

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 30.429 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VF062707.D

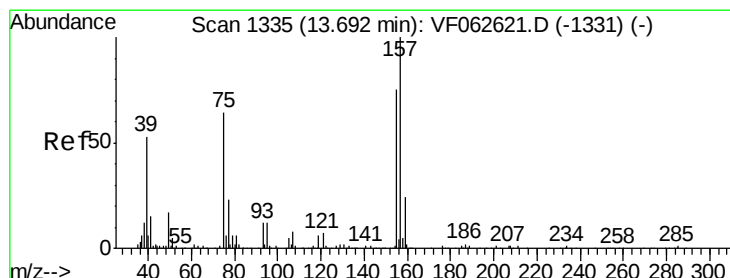
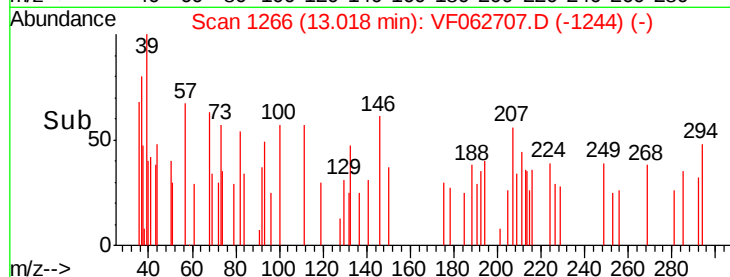
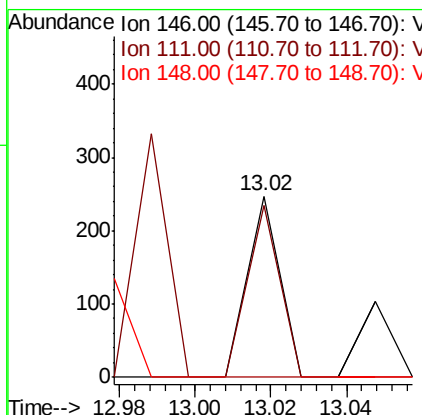
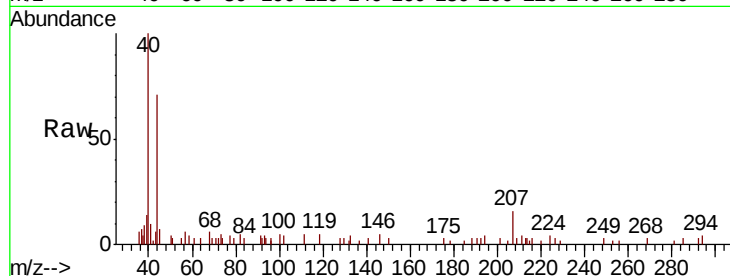
Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	146
Ion	Ratio	Lower	Upper
146	100		
111	94.7	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 428.367 ug/l

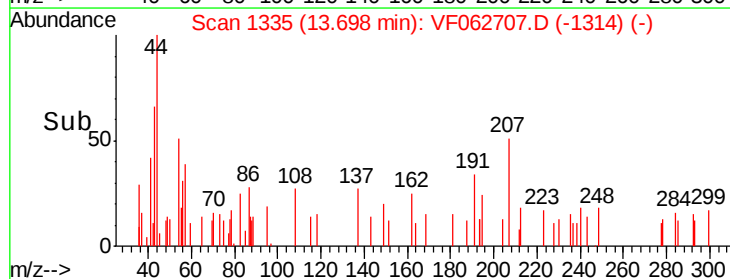
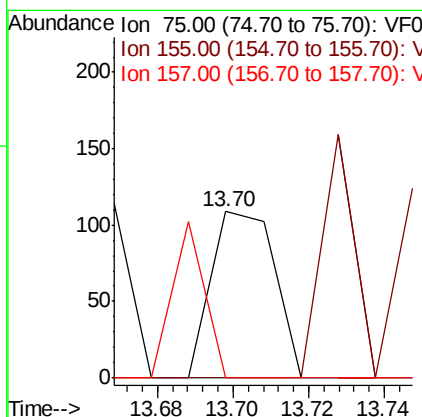
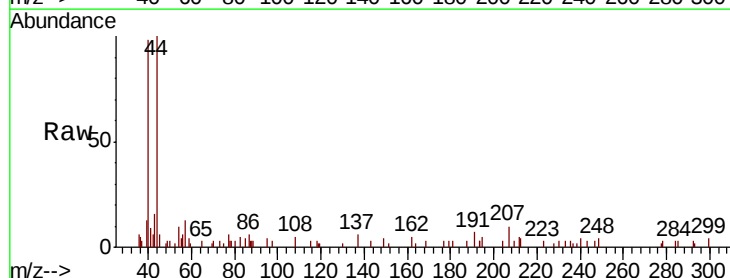
RT: 13.70 min Scan# 1335

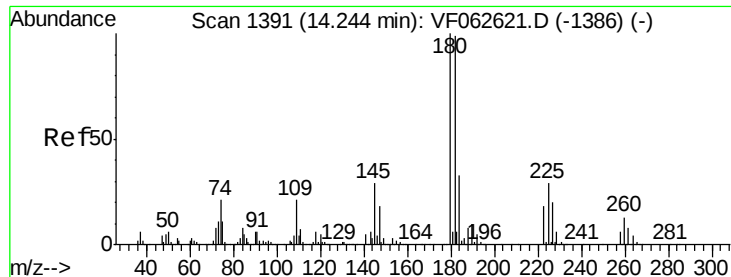
Delta R.T. 0.01 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Tgt Ion:	75	Resp:	125
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: 55.322 ug/l

RT: 14.20 min Scan# 1386

Delta R.T. -0.04 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampleId :

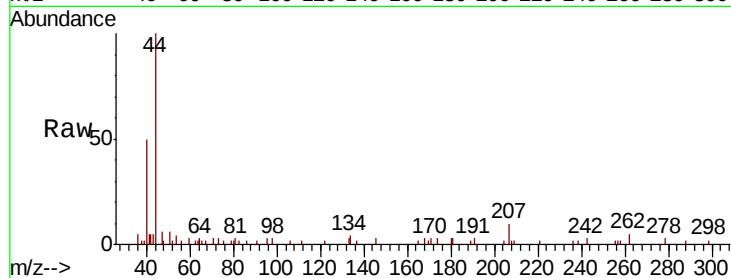
Tot Ion:180 Resp: 190

Ion Ratio Lower Upper

180 100

182 0.0 49.7 149.1#

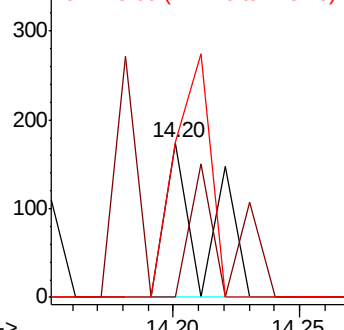
145 100.6 14.6 44.0#



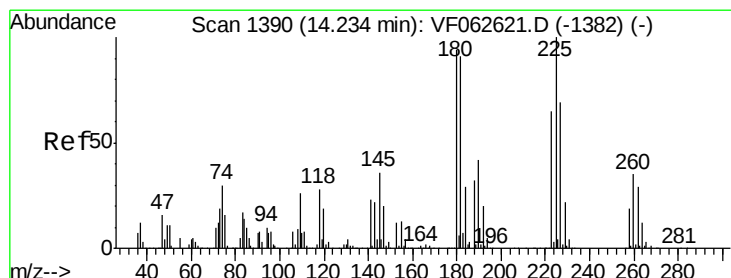
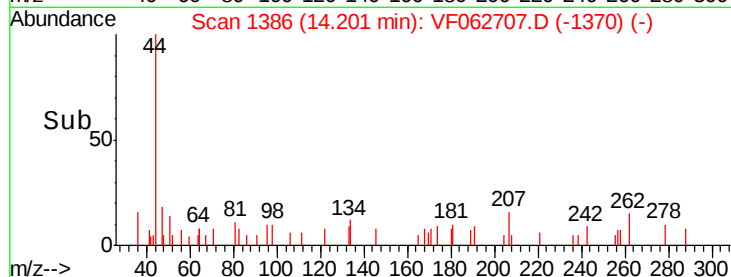
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->



#94

Hexachlorobutadiene

Concen: 29.206 ug/l

RT: 14.17 min Scan# 1383

Delta R.T. -0.06 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

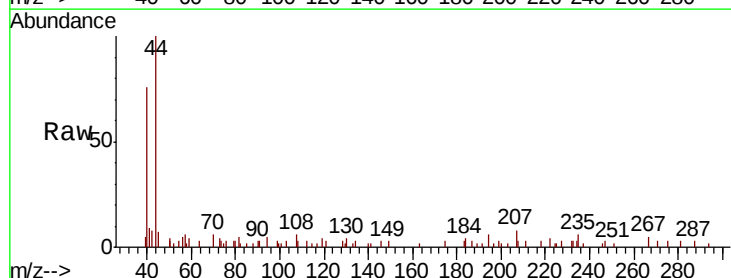
Tgt Ion:225 Resp: 70

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.4#

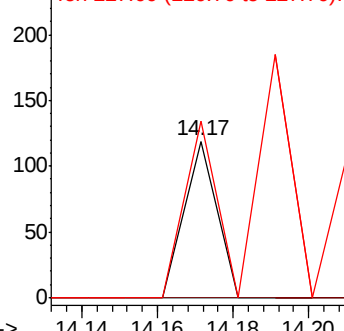
227 112.6 34.5 103.5#



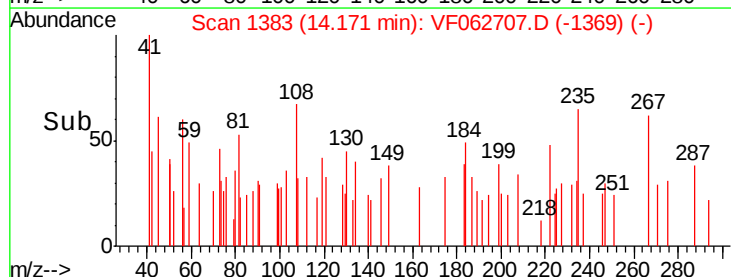
Abundance Ion 225.00 (224.70 to 225.70): V

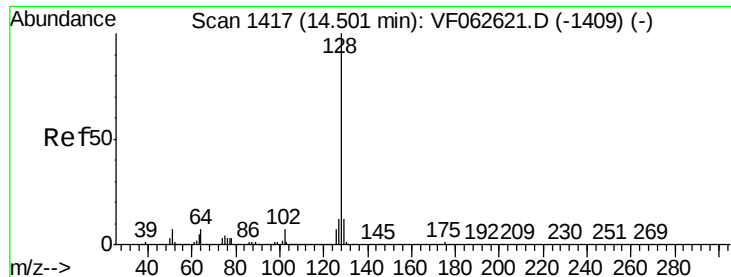
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time-->





#95

Naphthalene

Concen: 11.059 ug/l

RT: 14.54 min Scan# 1420

Delta R.T. 0.04 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

Instrument :

MSVOA_F

ClientSampled :

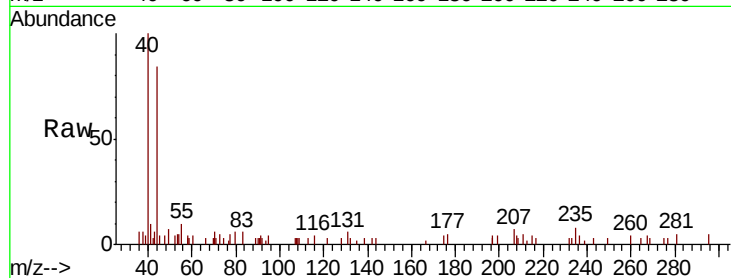
Tot Ion:128 Resp: 69

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

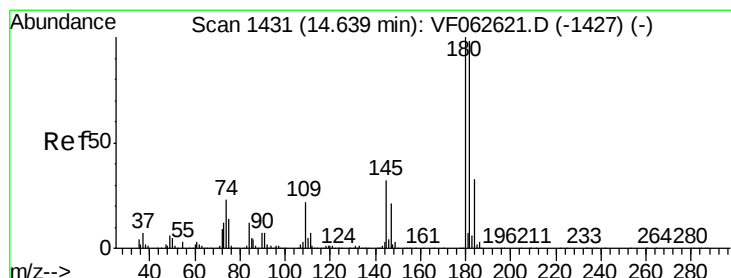
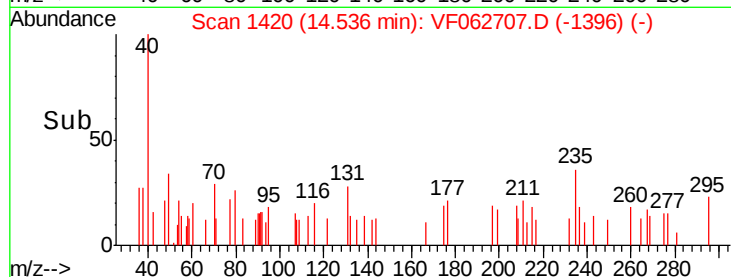
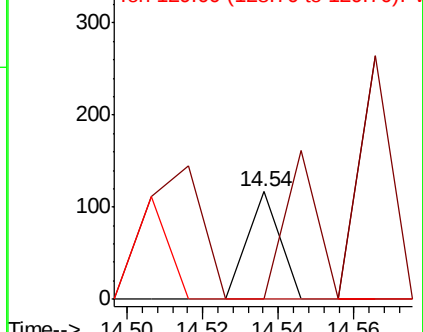
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 30.432 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.02 min

Lab File: VF062707.D

Acq: 22 May 2019 15:53

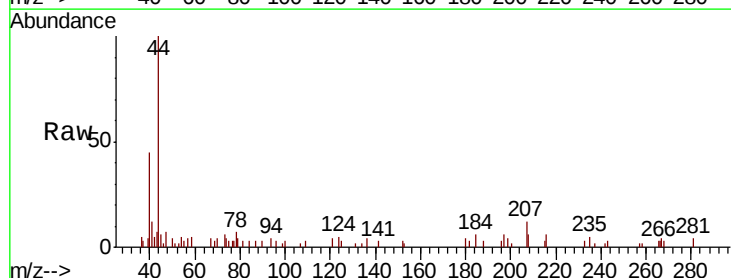
Tgt Ion:180 Resp: 99

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 16.1 48.2#



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

