

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062712.D
 Acq On : 22 May 2019 18:13
 Operator : FY/SY
 Sample : K3002-04RE
 Misc : 4.99g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C1-20190391RE

Quant Time: May 23 01:23:42 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	18023	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	18895	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	5114	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.59	152	174	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	1736	13.63	ug/l	-0.03
Spiked Amount			Recovery	=	27.26%	
35) Dibromofluoromethane	4.29	113	4298	29.73	ug/l	-0.03
Spiked Amount			Recovery	=	59.46%	
50) Toluene-d8	7.71	98	12405	35.93	ug/l	-0.01
Spiked Amount			Recovery	=	71.86%	
62) 4-Bromofluorobenzene	11.43	95	610	4.66	ug/l	-0.07
Spiked Amount			Recovery	=	9.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	347	1.415	ug/l #	41
3) Chloromethane	1.10	50	1401	6.204	ug/l #	40
4) Vinyl Chloride	1.18	62	683	3.286	ug/l #	41
5) Bromomethane	1.43	94	1175	10.332	ug/l	88
6) Chloroethane	1.43	64	331	4.335	ug/l #	1
8) Diethyl Ether	1.70	74	99	1.790	ug/l	80
10) Methyl Iodide	1.95	142	638	1.827	ug/l #	1
11) Tert butyl alcohol	2.69	59	413	49.118	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	666	4.114	ug/l #	10
13) Acrolein	2.14	56	351	39.990	ug/l	92
14) Allyl chloride	2.18	41	1615	11.021	ug/l #	83
15) Acrylonitrile	3.10	53	767	32.338	ug/l #	37
16) Acetone	2.34	43	1723	52.147	ug/l	91
18) Methyl Acetate	2.46	43	1172	22.572	ug/l	91
19) Methyl tert-butyl Ether	2.54	73	865	2.989	ug/l #	1
22) Diisopropyl ether	2.93	45	623	1.724	ug/l #	65
23) Vinyl Acetate	3.36	43	1037	4.254	ug/l #	73
24) 1,1-Dichloroethane	3.01	63	418	1.577	ug/l #	86
25) 2-Butanone	4.48	43	1569	22.226	ug/l	91
26) 2,2-Dichloropropane	3.81	77	568	3.744	ug/l #	46
27) cis-1,2-Dichloroethene	3.69	96	532	2.044	ug/l	36
29) Tetrahydrofuran	4.20	42	1961	68.648	ug/l #	36
31) Cyclohexane	3.88	56	678	1.905	ug/l #	15
32) 1,1,1-Trichloroethane	4.28	97	333	1.362	ug/l #	29
36) 1,1-Dichloropropene	4.50	75	301	1.555	ug/l #	38
37) Ethyl Acetate	4.29	43	584	7.387	ug/l #	9
38) Carbon Tetrachloride	4.24	117	172	1.181	ug/l #	1
39) Methylcyclohexane	5.61	83	668	2.867	ug/l #	82
40) Benzene	4.82	78	633	1.200	ug/l #	1
41) Methacrylonitrile	4.90	41	556	13.415	ug/l #	56
43) Isopropyl Acetate	7.13	43	370	3.613	ug/l #	43
44) Trichloroethene	5.68	130	329	2.219	ug/l	1
45) 1,2-Dichloropropane	6.40	63	883	6.632	ug/l	90
46) Dibromomethane	6.24	93	169	2.196	ug/l #	3

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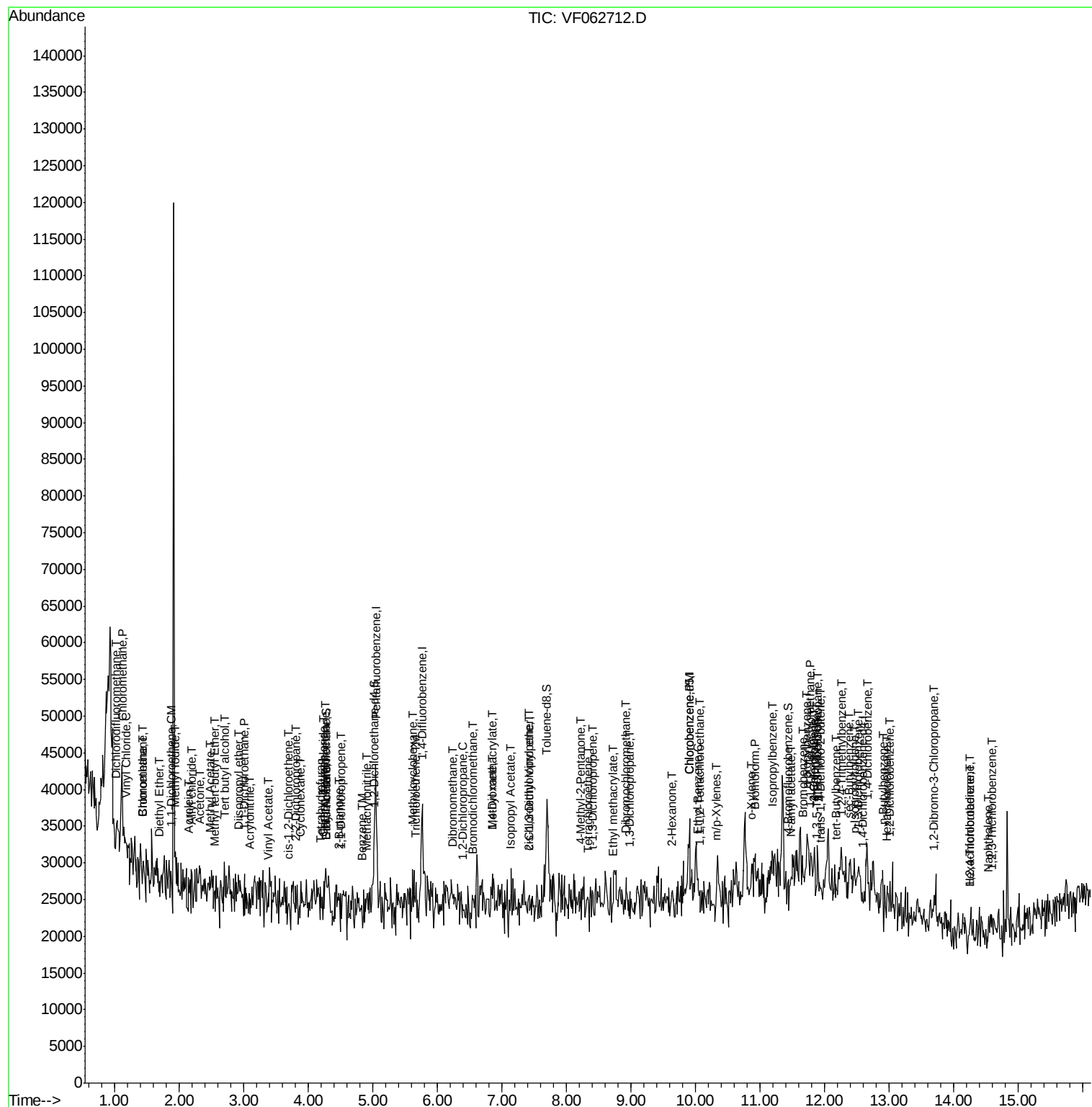
47) Bromodichloromethane	6.56	83	860	5.383	ug/l #	24
48) Methyl methacrylate	6.85	41	1481	27.666	ug/l	89
49) 1,4-Dioxane	6.86	88	121	176.481	ug/l #	1
51) 4-Methyl-2-Pentanone	8.22	43	621	8.871	ug/l	89
53) t-1,3-Dichloropropene	8.42	75	140	1.071	ug/l #	1
54) cis-1,3-Dichloropropene	7.42	75	385	2.104	ug/l #	1
56) Ethyl methacrylate	8.71	69	276	2.828	ug/l #	1
57) 1,3-Dichloropropane	8.97	76	268	1.921	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.43	63	62	1.952	ug/l #	51
59) 2-Hexanone	9.63	43	1747	22.107	ug/l #	23
60) Dibromochloromethane	8.91	129	267	2.501	ug/l	78
64) Tetrachloroethene	8.34	164	73	1.802	ug/l #	27
65) Chlorobenzene	9.92	112	119	1.185	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	73	1.810	ug/l #	32
67) Ethyl Benzene	10.04	91	362	2.075	ug/l #	42
68) m/p-Xylenes	10.31	106	78	1.189	ug/l	98
69) o-Xylene	10.85	106	82	1.214	ug/l #	1
71) Bromoform	10.92	173	120	5.942	ug/l #	27
73) Isopropylbenzene	11.19	105	596	47.792	ug/l #	1
74) N-amyl acetate	11.46	43	257	84.745	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.77	83	776	304.482	ug/l #	81
76) 1,2,3-Trichloropropane	11.88	75	468	279.472	ug/l #	34
77) Bromobenzene	11.67	156	212	68.390	ug/l	70
78) n-propylbenzene	11.71	91	1156	78.326	ug/l #	50
79) 2-Chlorotoluene	11.85	91	208	25.007	ug/l	95
80) 1,3,5-Trimethylbenzene	11.87	105	274	27.401	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	60	80.606	ug/l #	26
82) 4-Chlorotoluene	11.85	91	208	25.359	ug/l	92
83) tert-Butylbenzene	12.17	119	115	11.335	ug/l #	23
84) 1,2,4-Trimethylbenzene	12.27	105	169	17.462	ug/l #	47
85) sec-Butylbenzene	12.38	105	252	18.509	ug/l #	54
86) p-Isopropyltoluene	12.48	119	101	8.802	ug/l #	1
87) 1,3-Dichlorobenzene	12.51	146	65	11.590	ug/l #	23
88) 1,4-Dichlorobenzene	12.66	146	174	33.061	ug/l #	1
89) n-Butylbenzene	12.91	91	290	25.634	ug/l #	25
90) Hexachloroethane	12.96	117	219	79.564	ug/l #	20
91) 1,2-Dichlorobenzene	13.02	146	86	17.203	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	289	950.541	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	74	20.680	ug/l #	1
94) Hexachlorobutadiene	14.23	225	59	23.626	ug/l #	30
95) Naphthalene	14.55	128	72	11.075	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.58	180	70	20.652	ug/l #	1

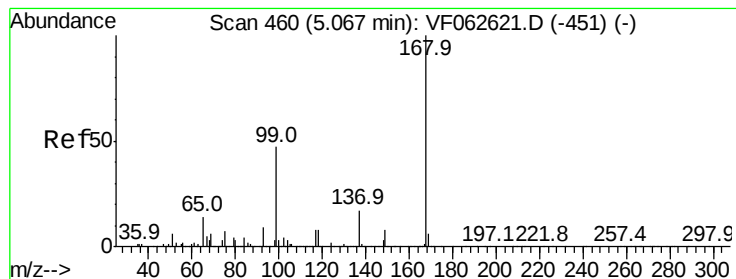
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

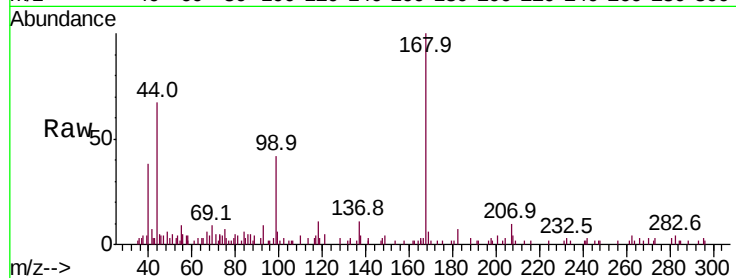
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion:168 Resp: 18023

Ion Ratio Lower Upper

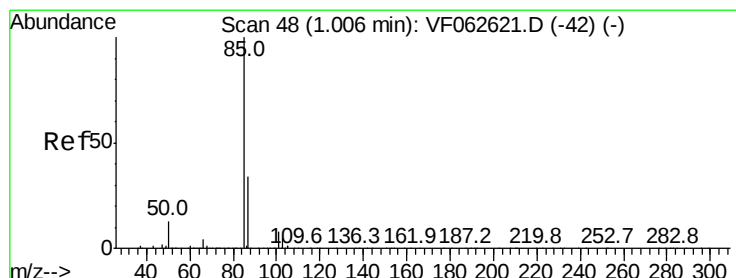
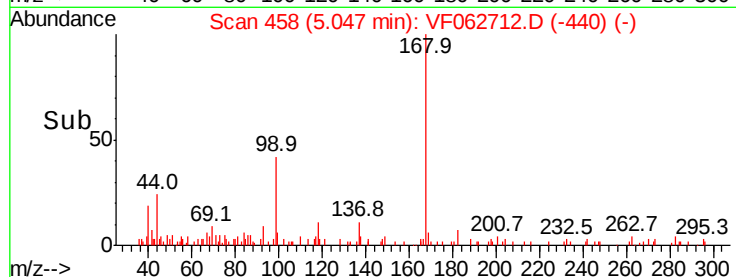
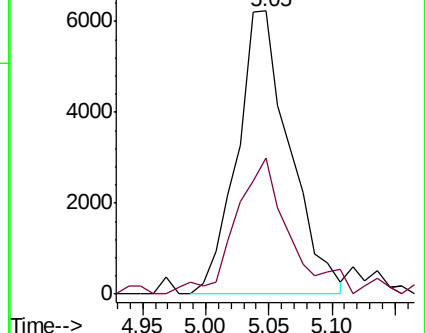
168 100

99 48.1 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: 1.415 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062712.D

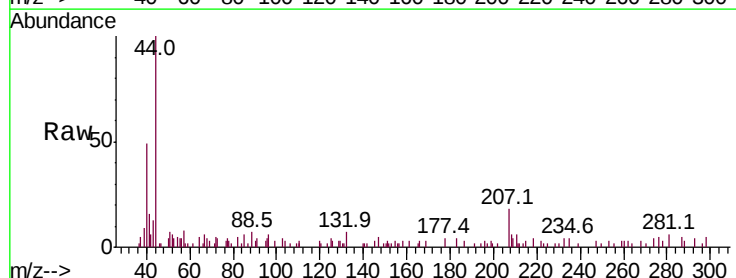
Acq: 22 May 2019 18:13

Tgt Ion: 85 Resp: 347

Ion Ratio Lower Upper

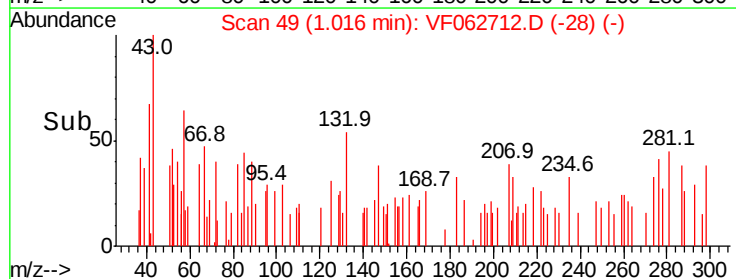
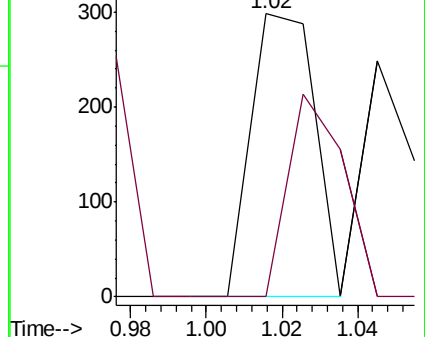
85 100

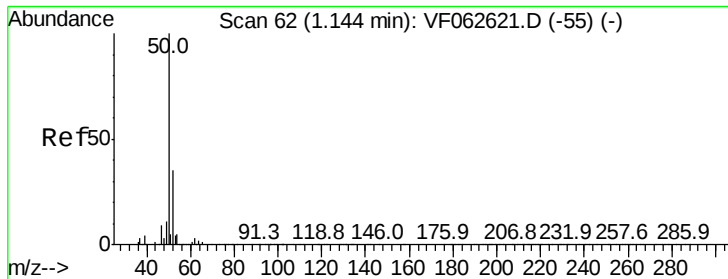
87 0.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 6.204 ug/l

RT: 1.10 min Scan# 58

Delta R.T. -0.04 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

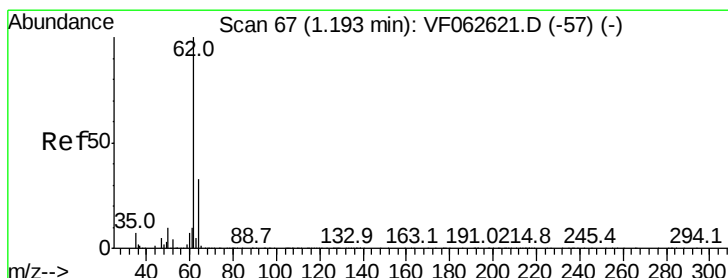
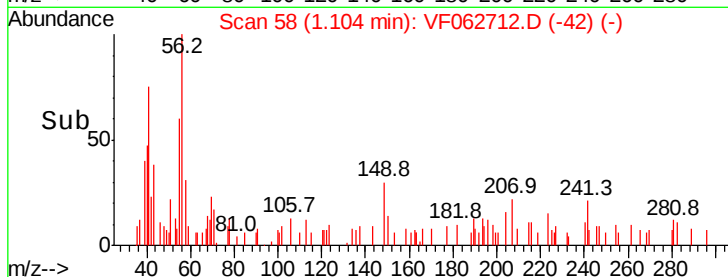
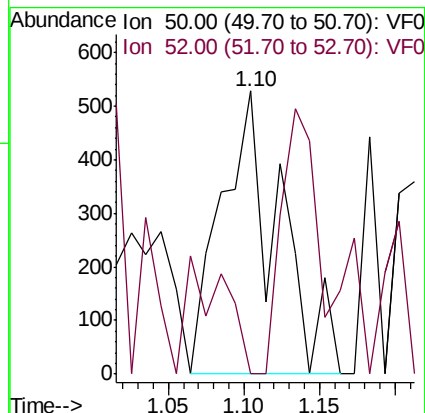
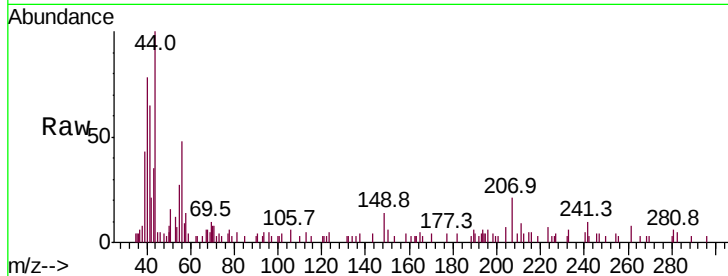
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 50 Resp: 1401

Ion Ratio Lower Upper

50 100

52 0.0 27.5 41.3#



#4

Vinyl Chloride

Concen: 3.286 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062712.D

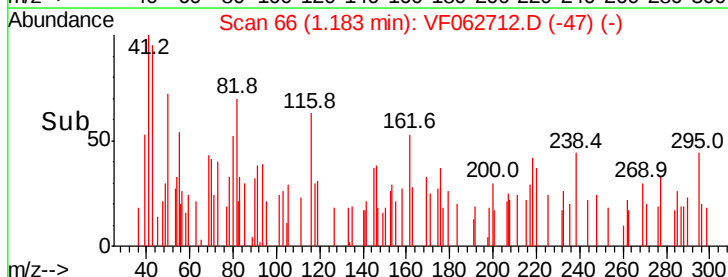
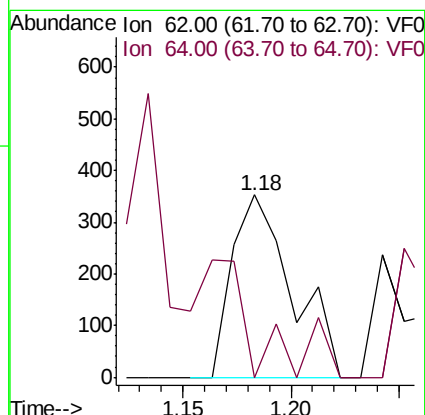
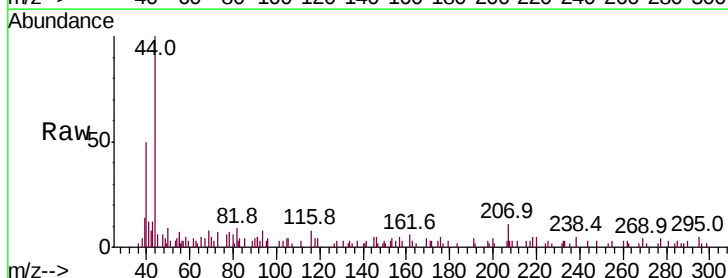
Acq: 22 May 2019 18:13

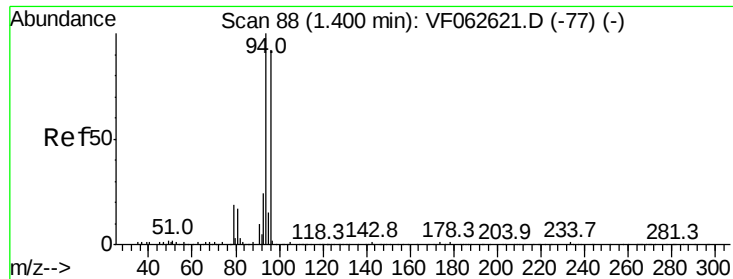
Tgt Ion: 62 Resp: 683

Ion Ratio Lower Upper

62 100

64 0.0 26.7 40.1#





#5

Bromomethane

Concen: 10.332 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

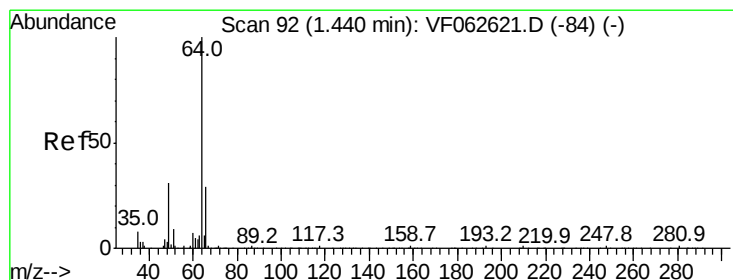
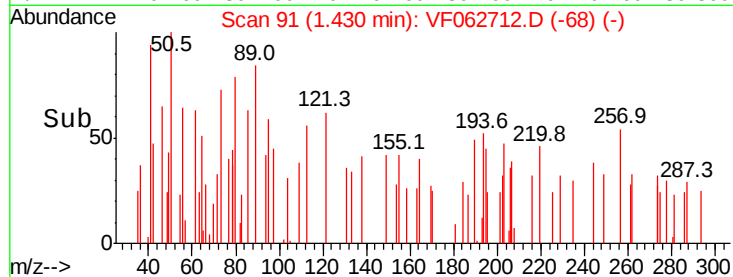
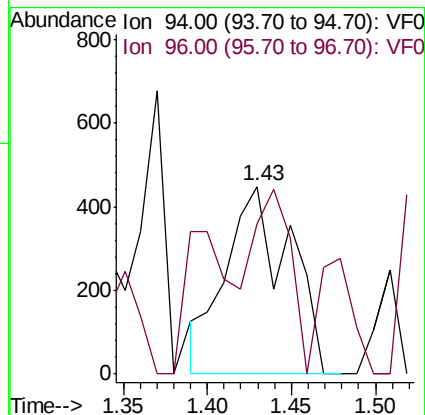
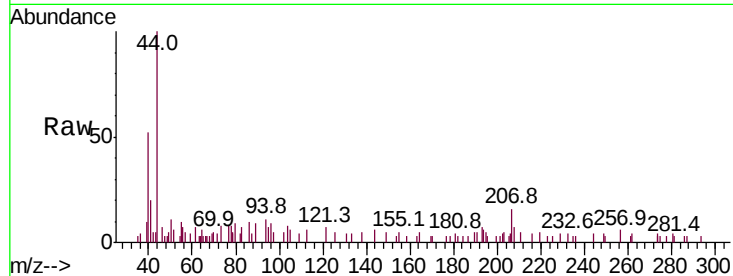
Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 1175

Ion Ratio Lower Upper

94 100

96 79.9 73.2 109.8



#6

Chloroethane

Concen: 4.335 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062712.D

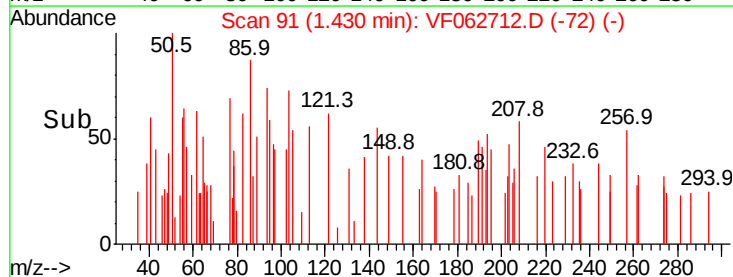
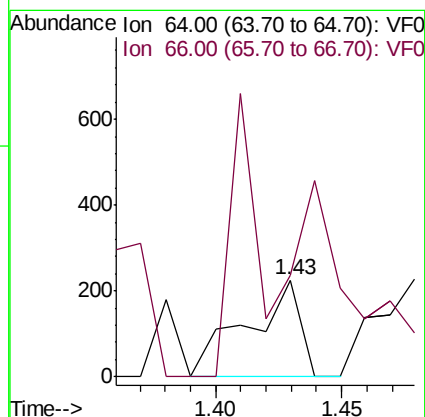
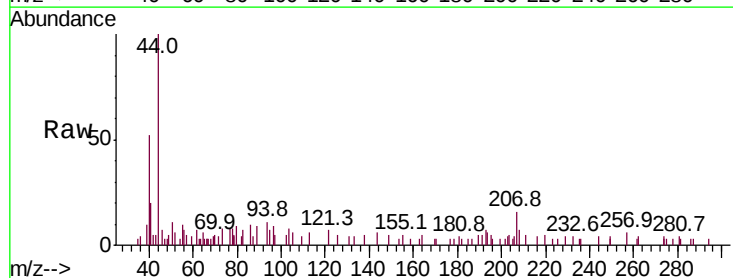
Acq: 22 May 2019 18:13

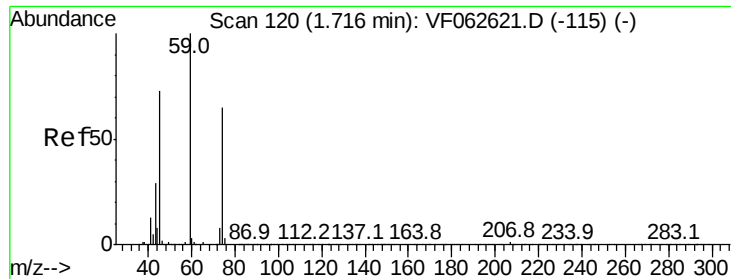
Tgt Ion: 64 Resp: 331

Ion Ratio Lower Upper

64 100

66 104.9 23.4 35.2#

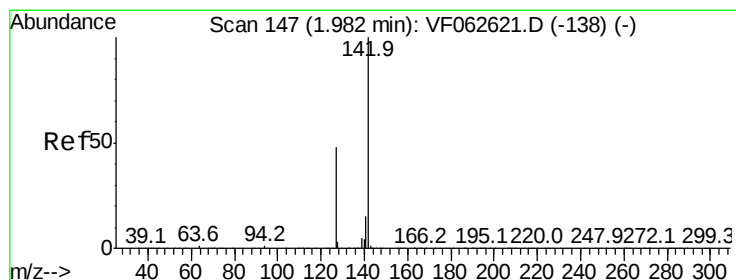
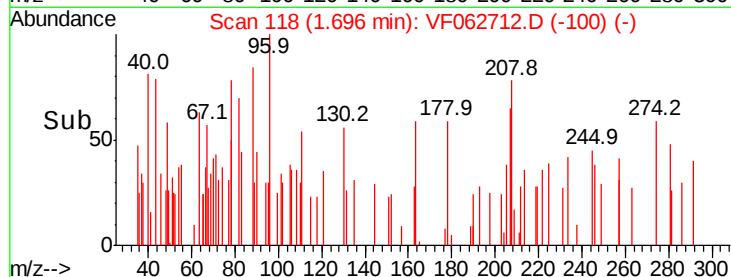
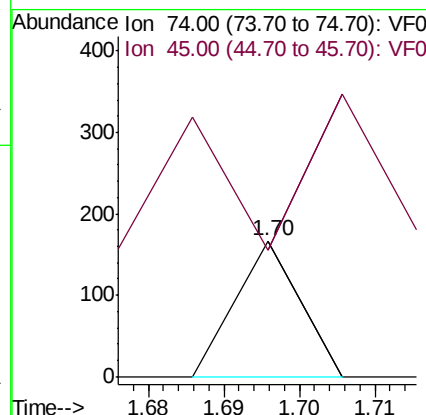
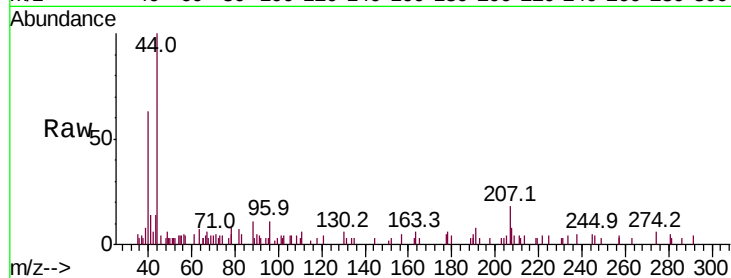




#8
Diethyl Ether
Concen: 1.790 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.02 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

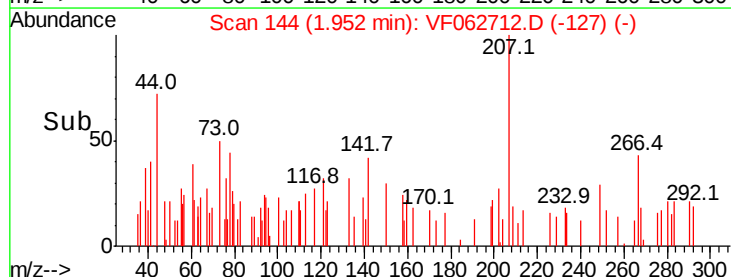
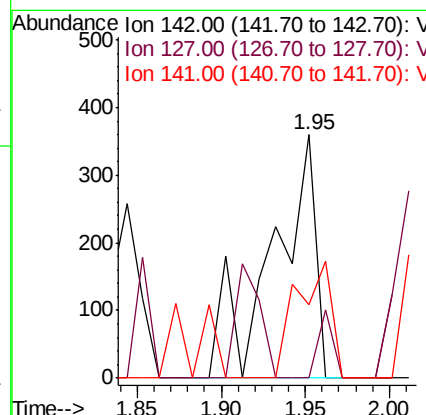
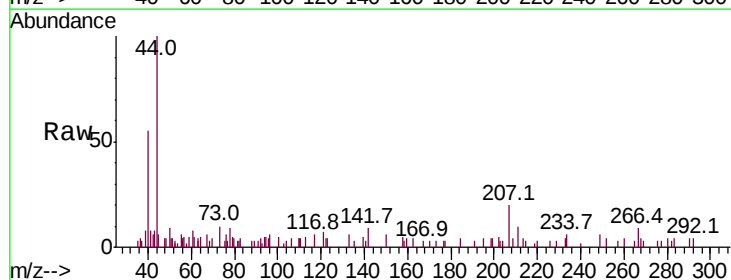
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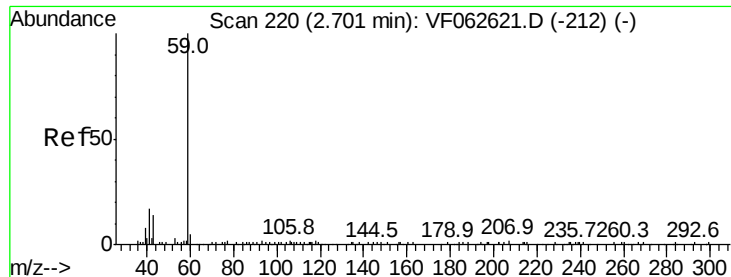
Tot Ion: 74 Resp: 99
Ion Ratio Lower Upper
74 100
45 92.8 57.0 170.8



#10
Methyl Iodide
Concen: 1.827 ug/l
RT: 1.95 min Scan# 144
Delta R.T. -0.03 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion: 142 Resp: 638
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 130.3 11.7 17.5#



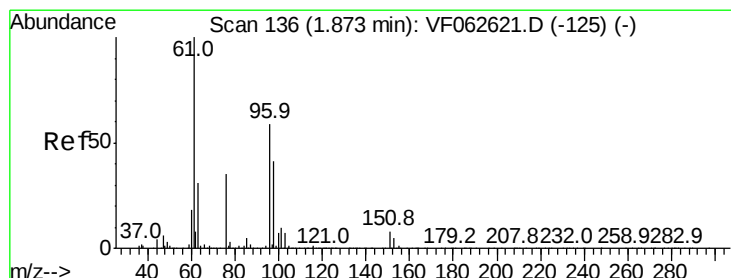
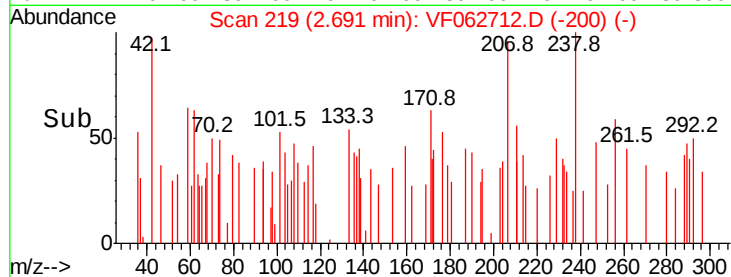
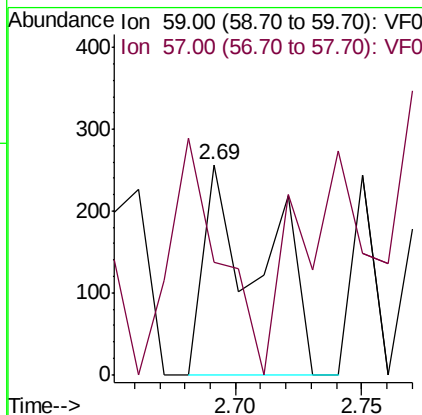


#11

Tert butyl alcohol
 Concen: 49.118 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
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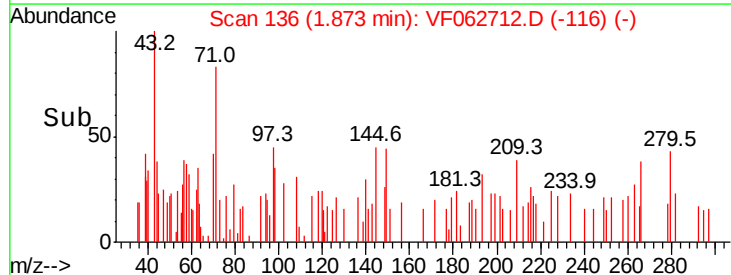
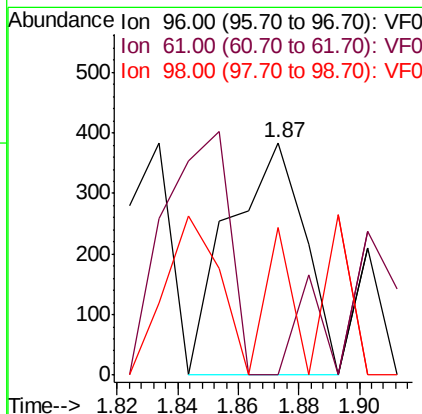
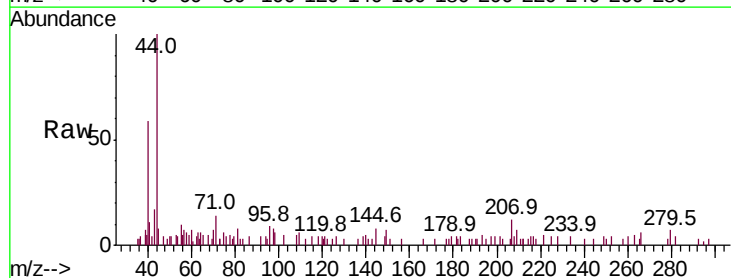
Tot Ion: 59 Resp: 413
 Ion Ratio Lower Upper
 59 100
 57 53.3 9.3 13.9#

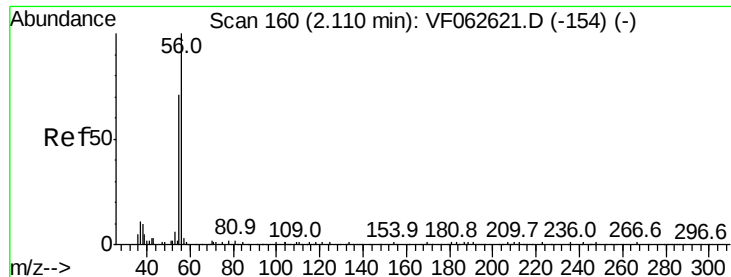


#12

1,1-Dichloroethene
 Concen: 4.114 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062712.D
 Acq: 22 May 2019 18:13

Tgt Ion: 96 Resp: 666
 Ion Ratio Lower Upper
 96 100
 61 0.0 134.3 201.5#
 98 63.3 55.0 82.6





#13

Acrolein

Concen: 39.990 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

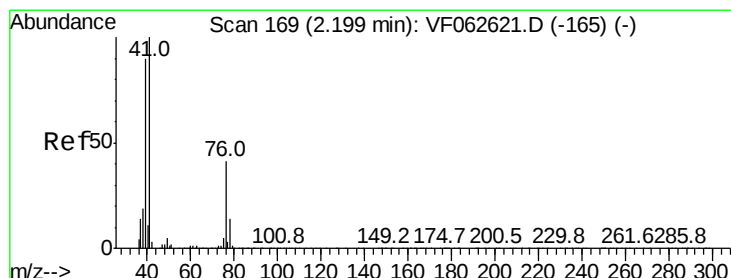
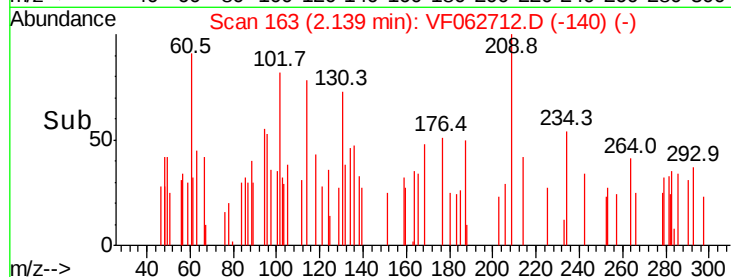
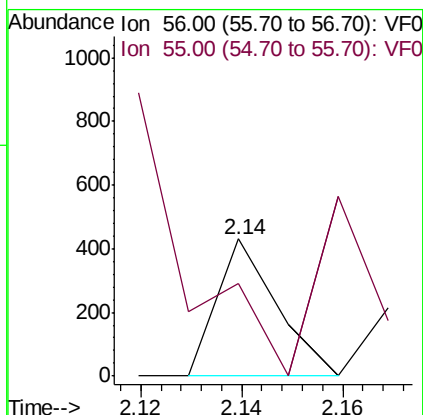
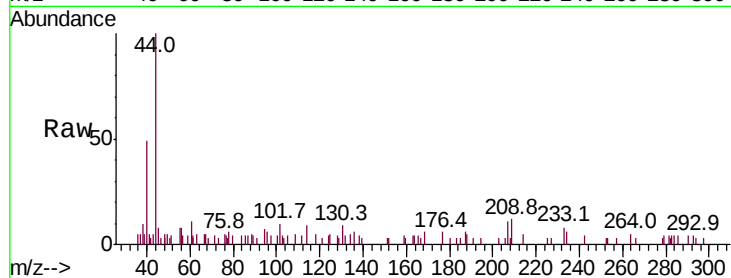
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 56 Resp: 351

Ion Ratio Lower Upper

56 100

55 67.7 59.4 89.0



#14

Allyl chloride

Concen: 11.021 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

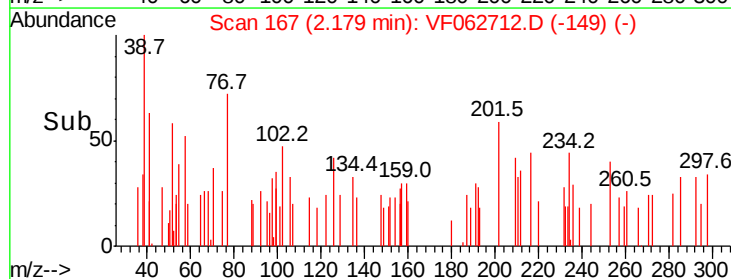
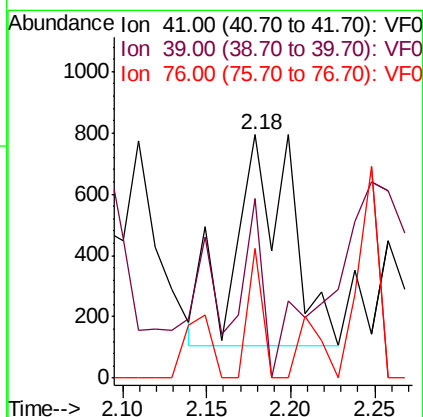
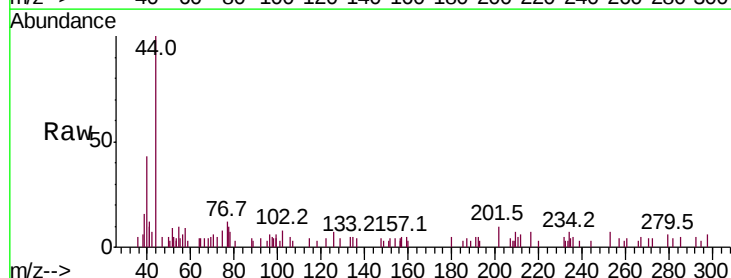
Tgt Ion: 41 Resp: 1615

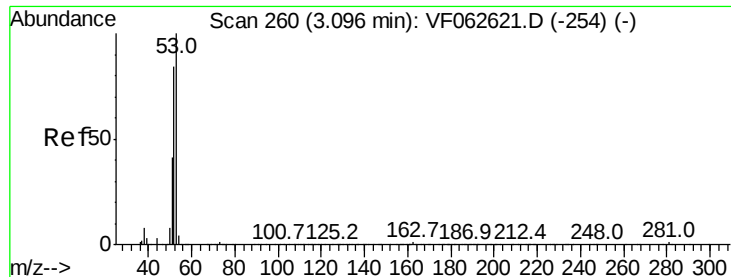
Ion Ratio Lower Upper

41 100

39 73.8 72.0 108.0

76 53.4 34.8 52.2#





#15

Acrylonitrile

Concen: 32.338 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

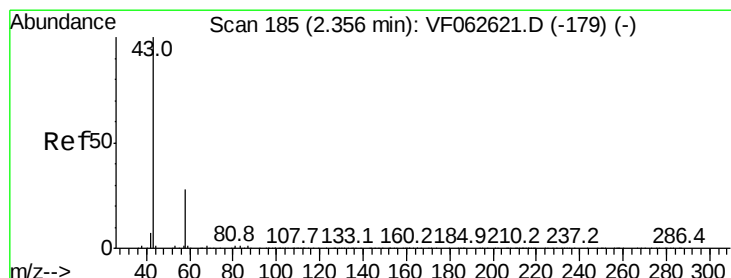
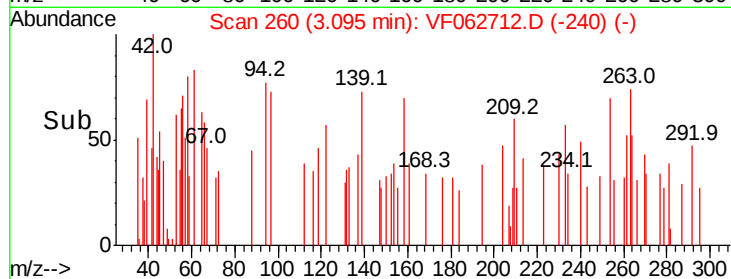
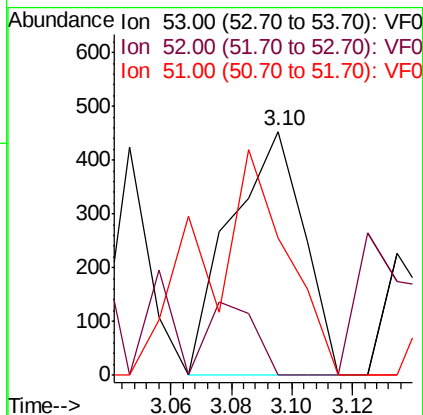
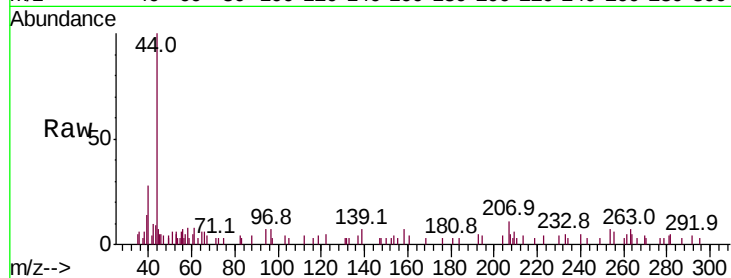
Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 53 Resp: 767

Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.3	100.9#
51	43.4	33.0	49.6



#16

Acetone

Concen: 52.147 ug/l

RT: 2.34 min Scan# 183

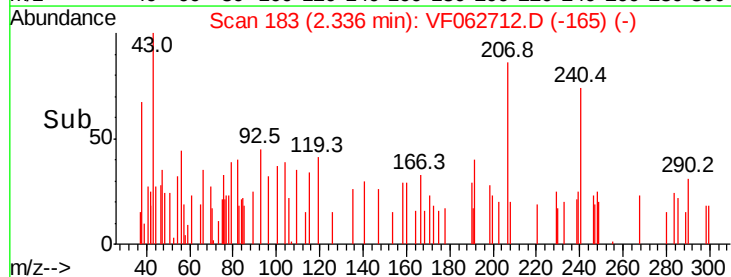
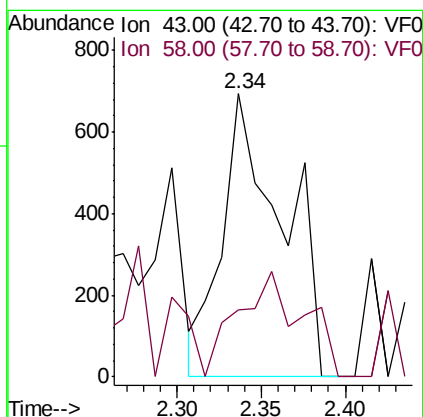
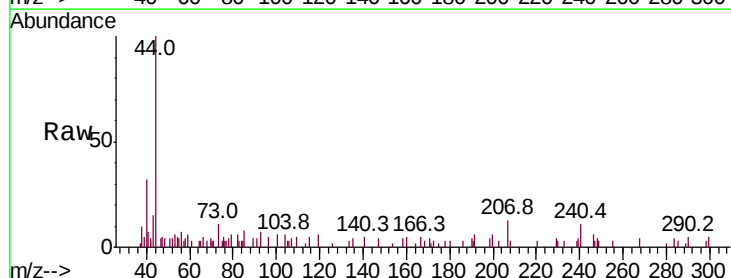
Delta R.T. -0.02 min

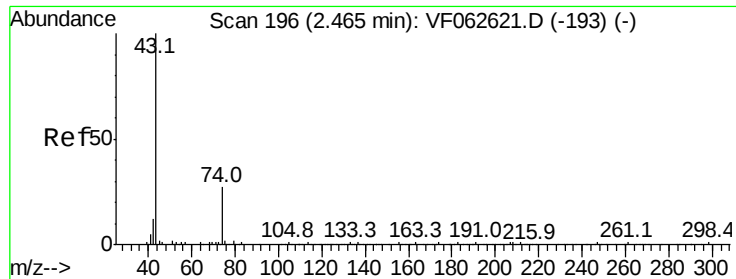
Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion: 43 Resp: 1723

Ion	Ratio	Lower	Upper
43	100		
58	23.5	22.6	33.8

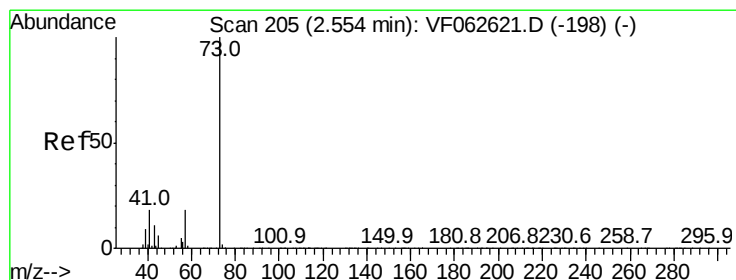
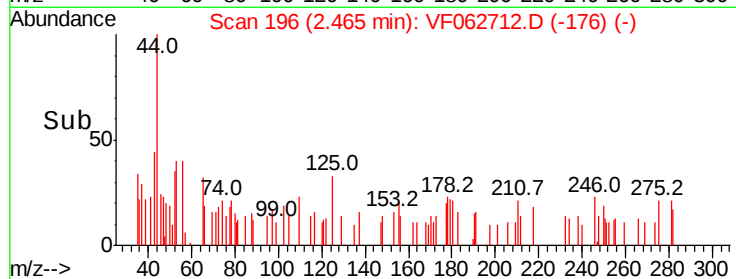
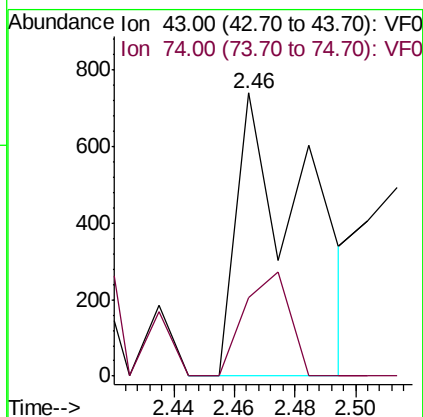
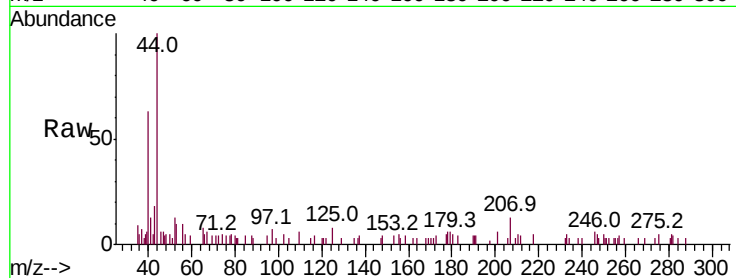




#18
Methyl Acetate
Concen: 22.572 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

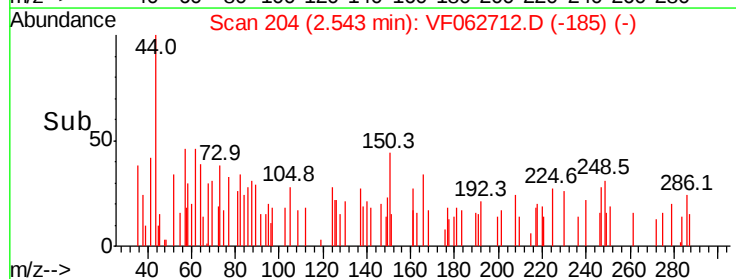
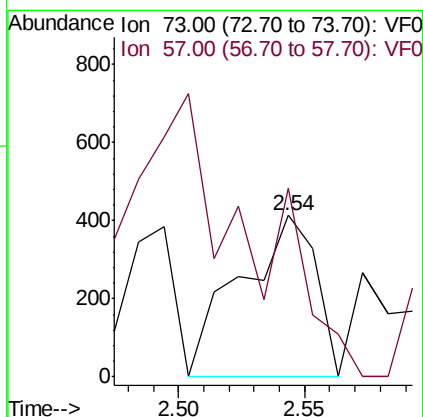
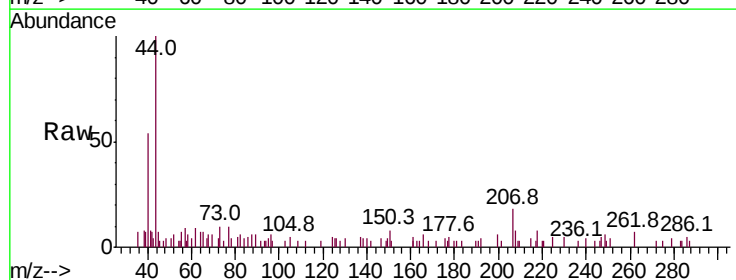
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

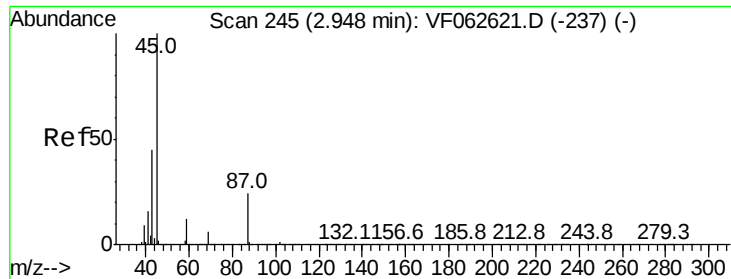
Tot Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
74 27.9 18.9 28.3



#19
Methyl tert-butyl Ether
Concen: 2.989 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion: 73 Resp: 865
Ion Ratio Lower Upper
73 100
57 116.7 14.2 21.4#

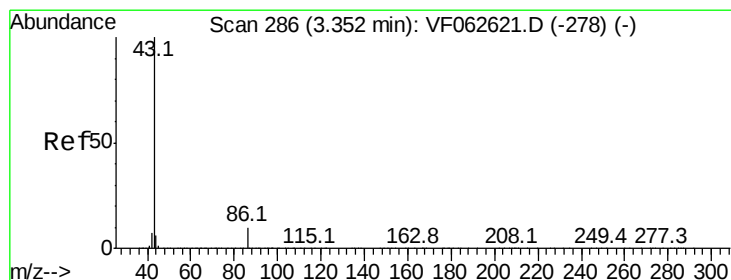
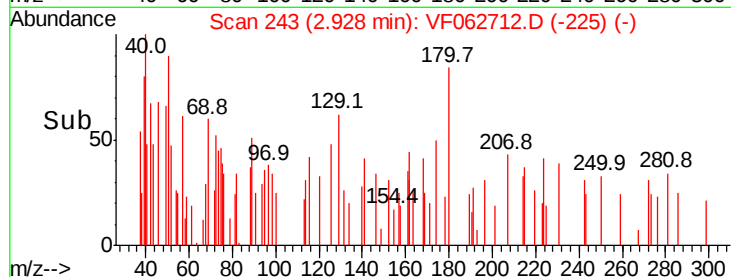
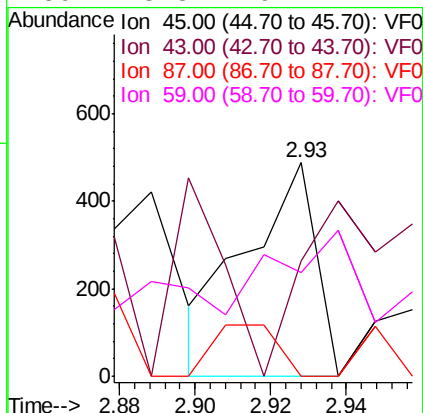
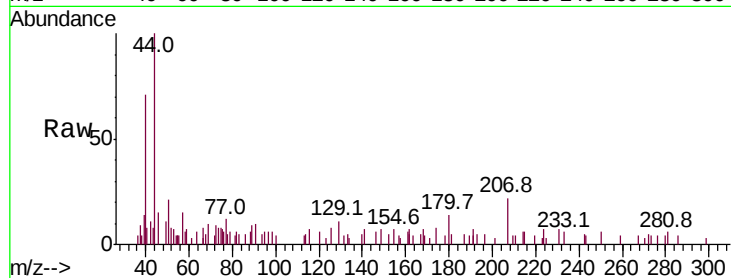




#22
Diisopropyl ether
Concen: 1.724 ug/l
RT: 2.93 min Scan# 243
Delta R.T. -0.02 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

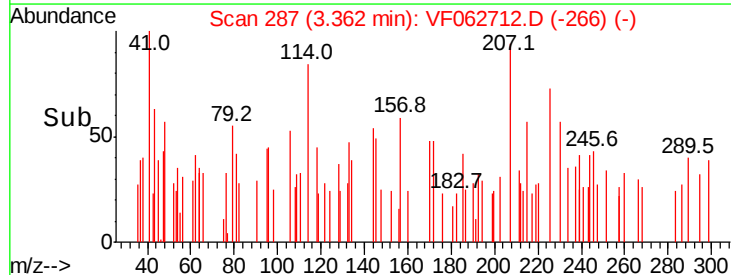
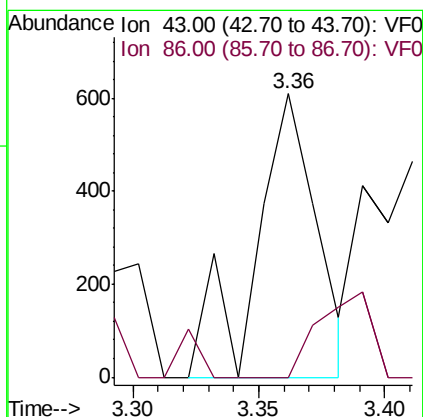
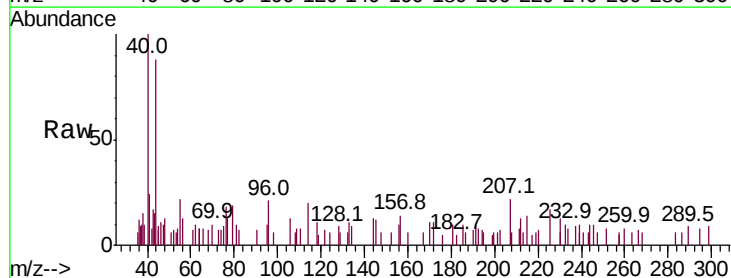
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

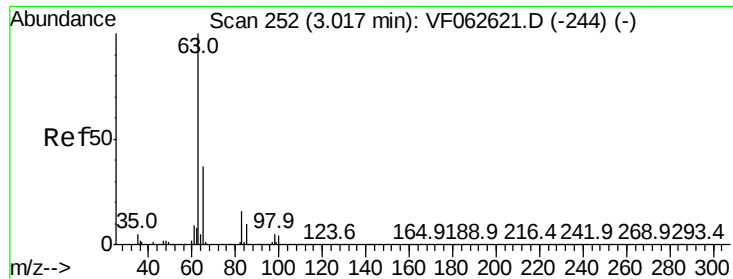
Tot Ion:	45	Resp:	623
Ion	Ratio	Lower	Upper
45	100		
43	53.9	36.4	54.6
87	0.0	19.3	28.9#
59	48.8	9.4	14.2#



#23
Vinyl Acetate
Concen: 4.254 ug/l
RT: 3.36 min Scan# 287
Delta R.T. 0.01 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion:	43	Resp:	1037
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.2#





#24

1,1-Dichloroethane

Concen: 1.577 ug/l

RT: 3.01 min Scan# 251

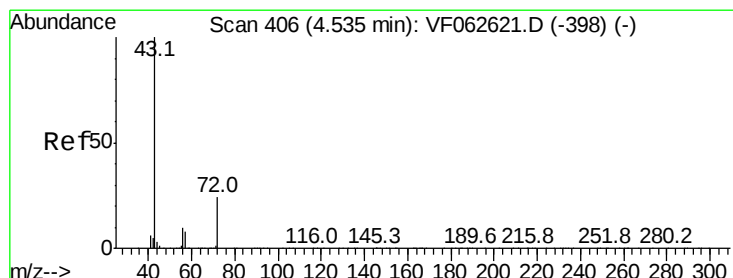
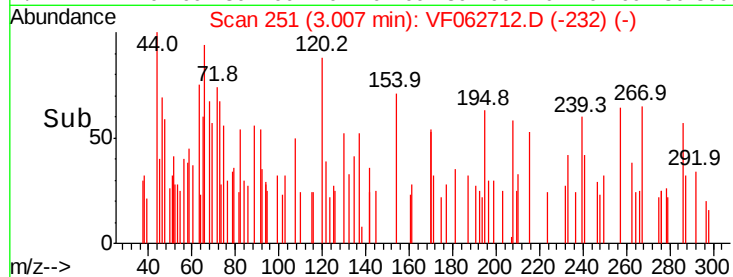
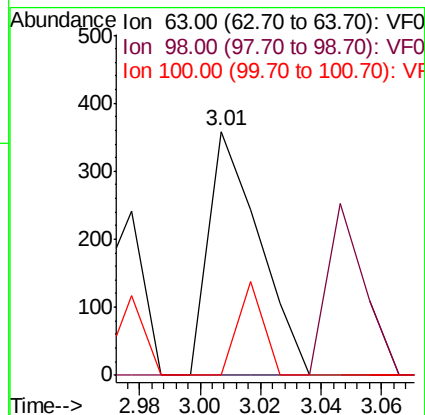
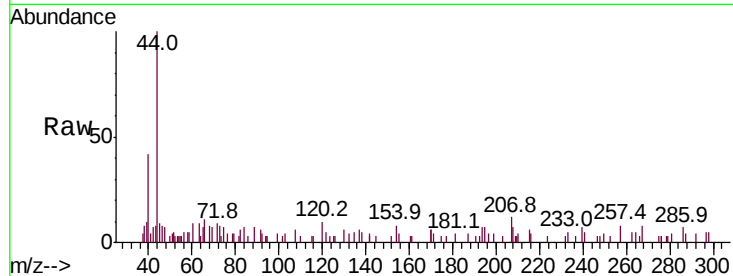
Delta R.T. -0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion:	63	Resp:	418
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.3#
100	0.0	1.9	5.7#



#25

2-Butanone

Concen: 22.226 ug/l

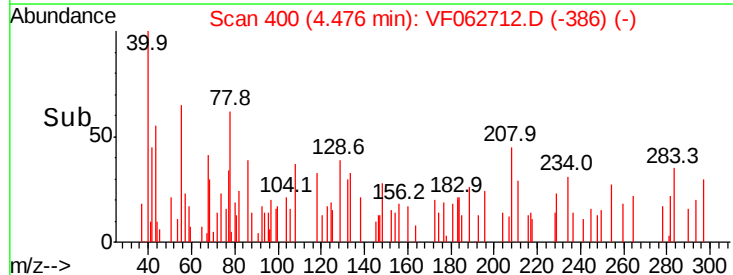
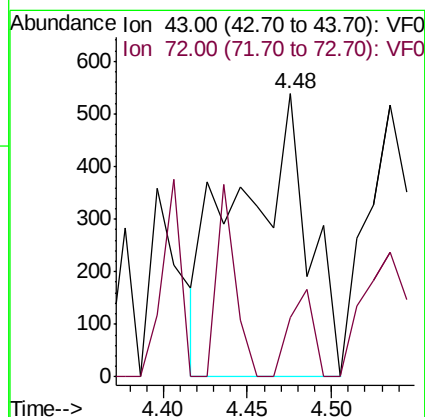
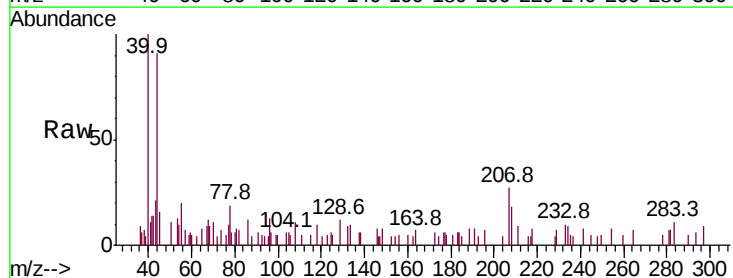
RT: 4.48 min Scan# 400

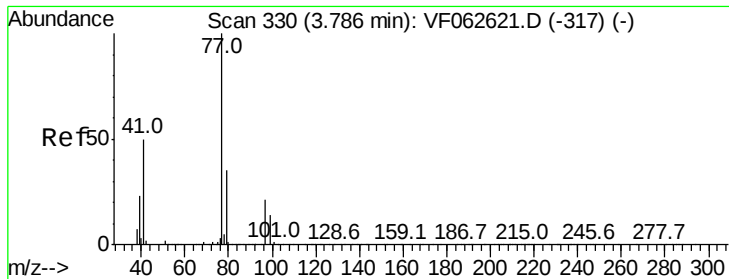
Delta R.T. -0.06 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion:	43	Resp:	1569
Ion	Ratio	Lower	Upper
43	100		
72	20.8	20.1	30.1





#26

2,2-Dichloropropane

Concen: 3.744 ug/l

RT: 3.81 min Scan# 332

Delta R.T. 0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

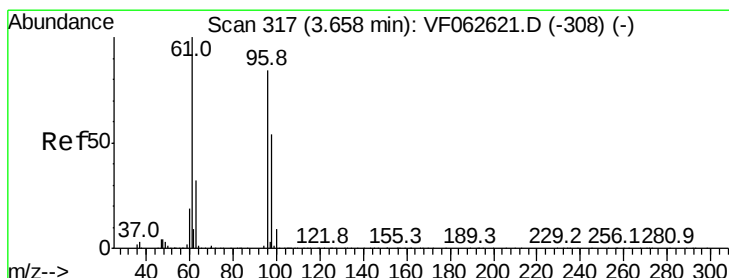
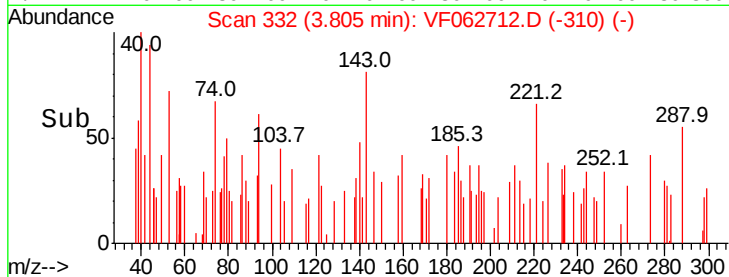
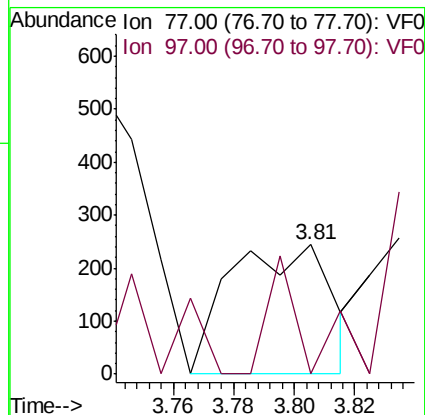
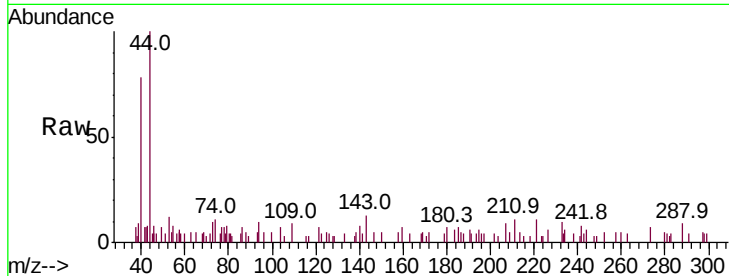
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 77 Resp: 568

Ion Ratio Lower Upper

77 100

97 0.0 14.1 42.4#



#27

cis-1,2-Dichloroethene

Concen: 2.044 ug/l

RT: 3.69 min Scan# 320

Delta R.T. 0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

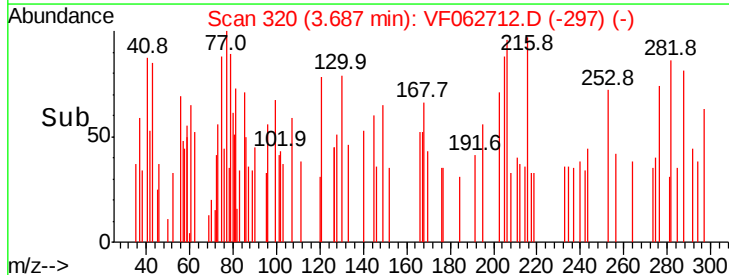
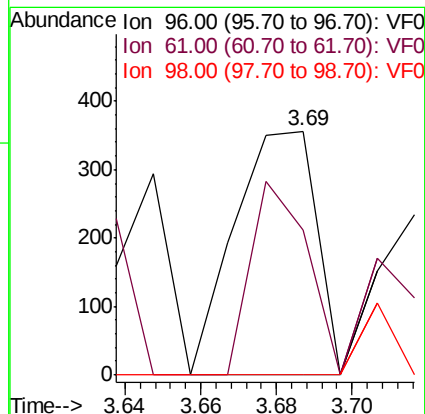
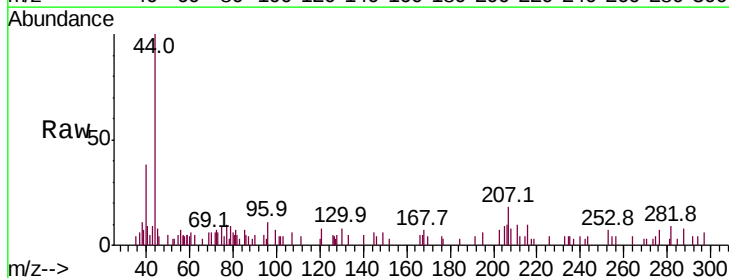
Tgt Ion: 96 Resp: 532

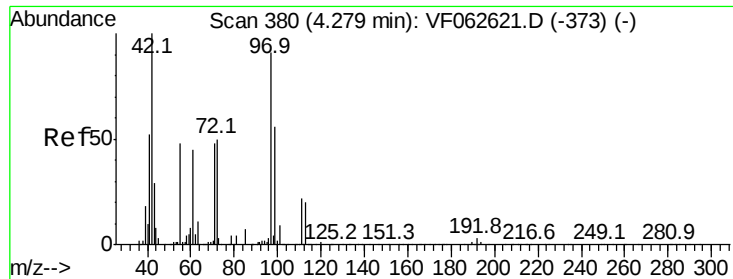
Ion Ratio Lower Upper

96 100

61 59.3 0.0 237.4

98 0.0 0.0 129.0

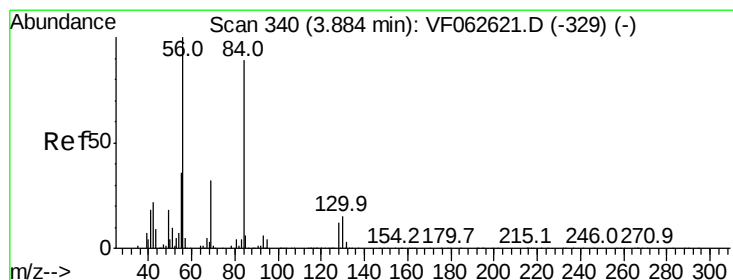
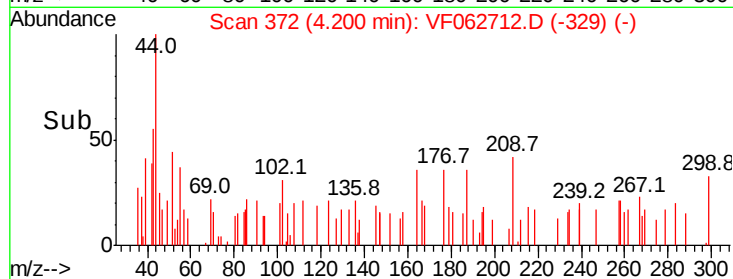
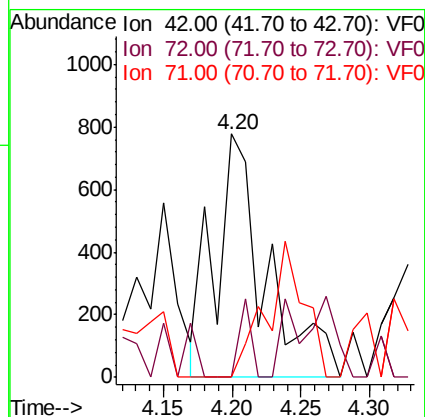
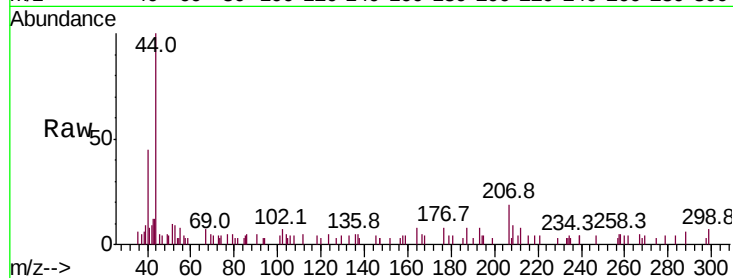




#29
Tetrahydrofuran
Concen: 68.648 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.08 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

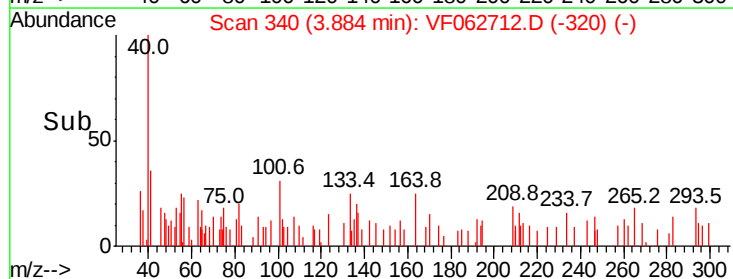
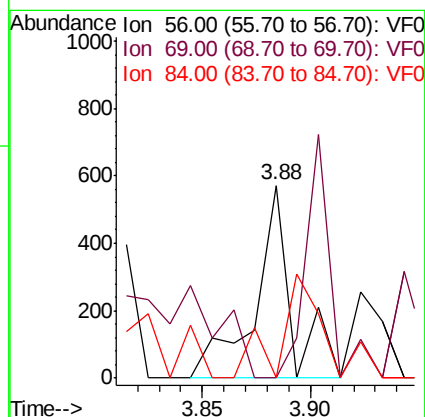
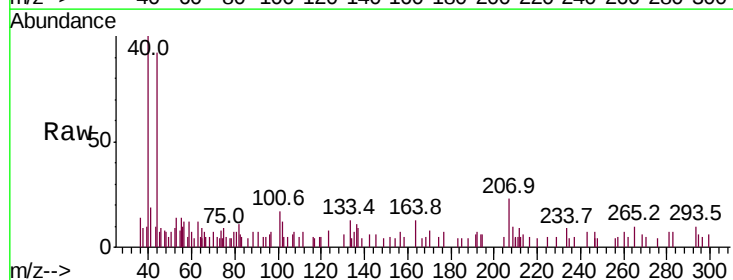
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

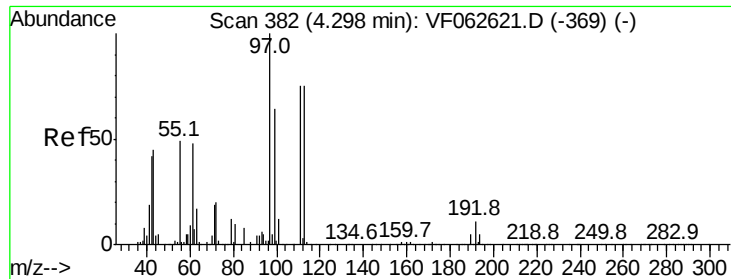
Tot Ion: 42 Resp: 1961
Ion Ratio Lower Upper
42 100
72 7.6 38.2 57.2#
71 0.0 35.8 53.6#



#31
Cyclohexane
Concen: 1.905 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion: 56 Resp: 678
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 0.0 71.0 106.4#





#32

1,1,1-Trichloroethane

Concen: 1.362 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

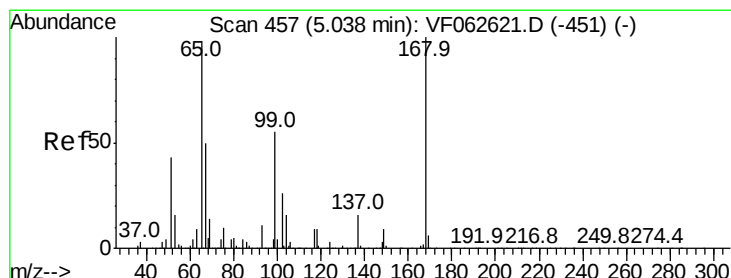
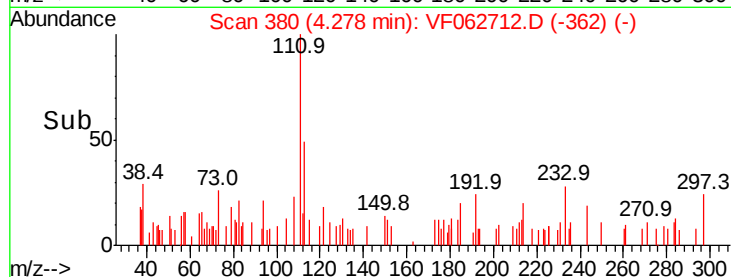
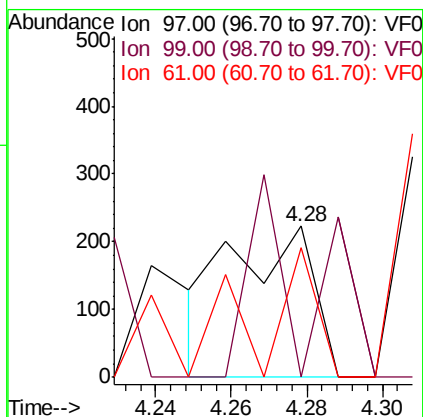
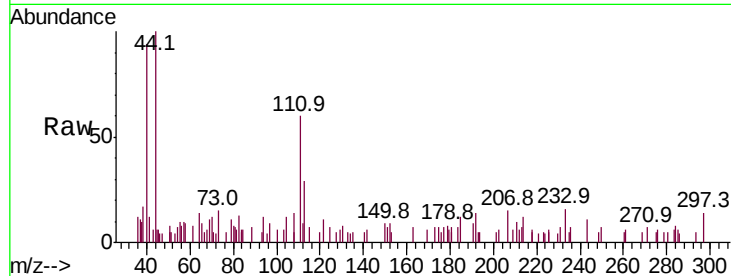
Tot Ion: 97 Resp: 333

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 85.7 38.2 57.2#



#33

1,2-Dichloroethane-d4

Concen: 13.631 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062712.D

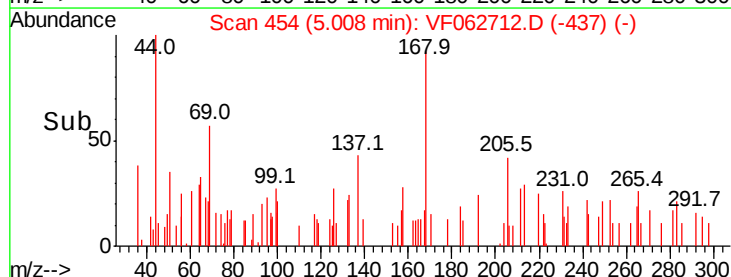
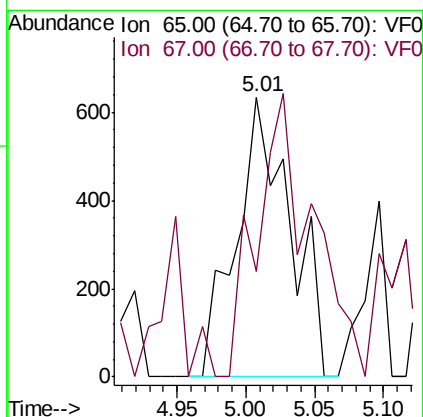
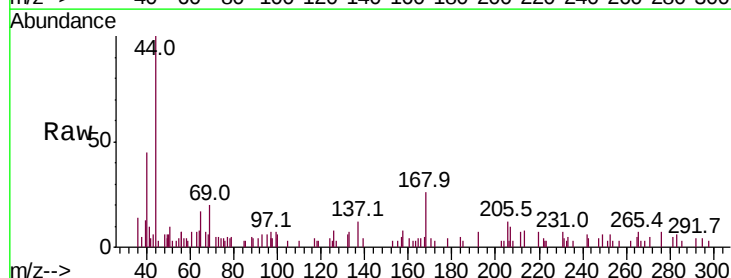
Acq: 22 May 2019 18:13

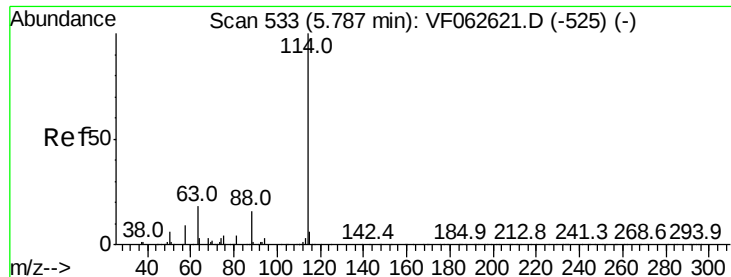
Tgt Ion: 65 Resp: 1736

Ion Ratio Lower Upper

65 100

67 37.6 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

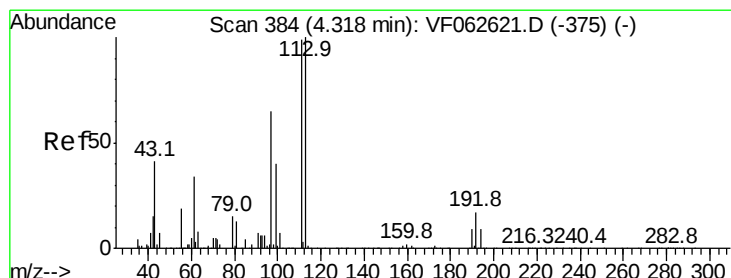
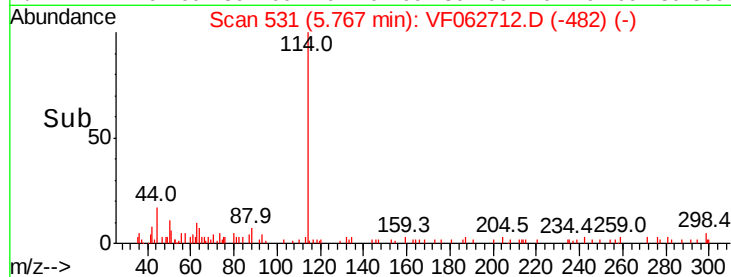
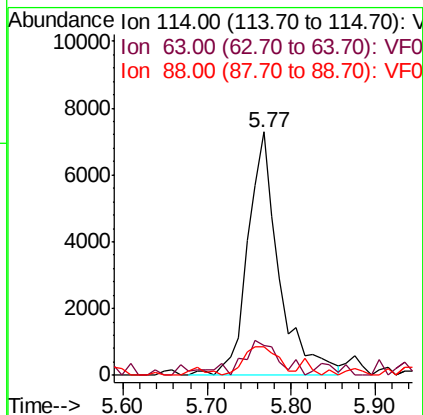
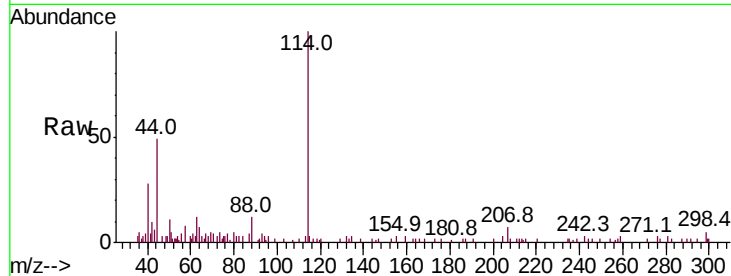
Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion:	114	Resp:	18895
Ion	Ratio	Lower	Upper
114	100		
63	12.4	0.0	35.4
88	11.6	0.0	32.4



#35

Dibromofluoromethane

Concen: 29.726 ug/l

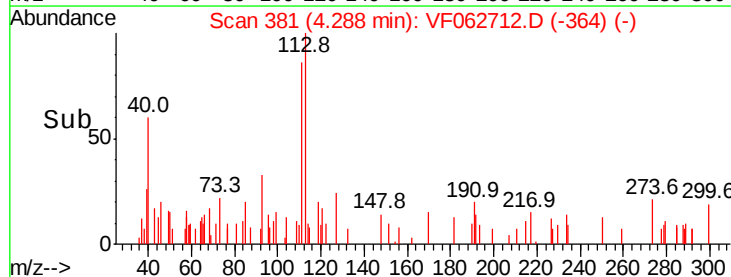
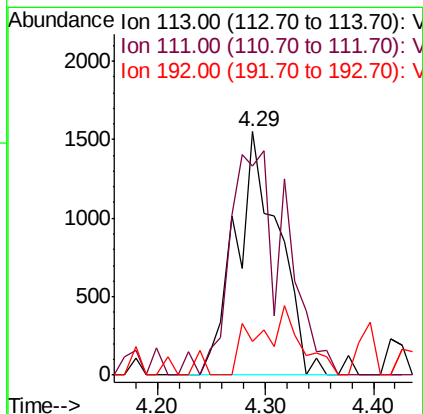
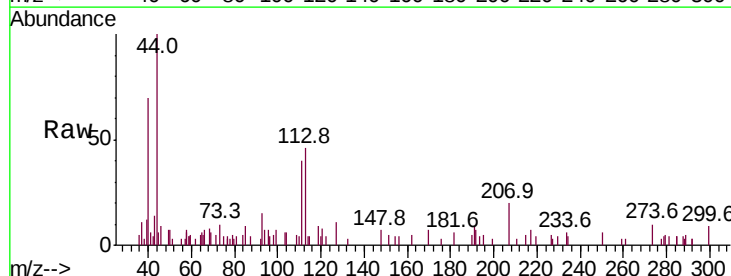
RT: 4.29 min Scan# 381

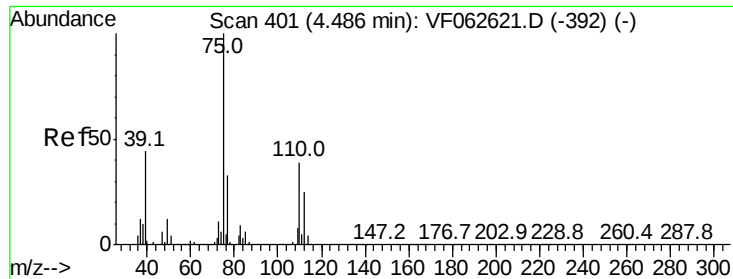
Delta R.T. -0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion:	113	Resp:	4298
Ion	Ratio	Lower	Upper
113	100		
111	85.8	79.4	119.2
192	14.0	13.4	20.2





#36

1,1-Dichloropropene

Concen: 1.555 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.01 min

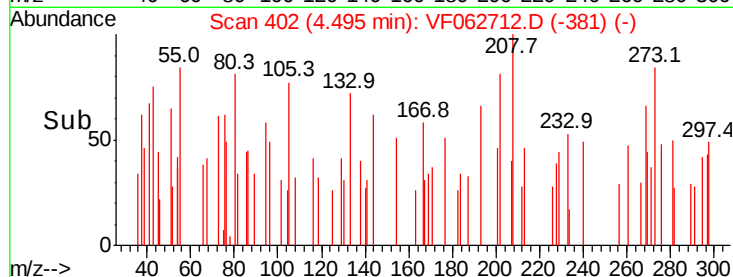
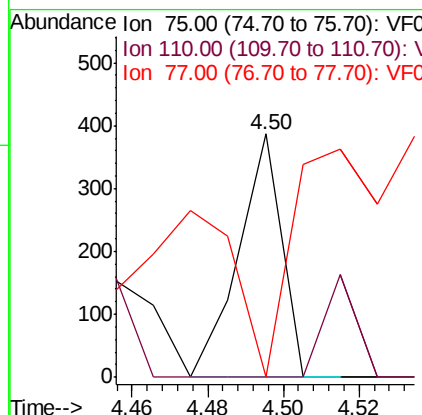
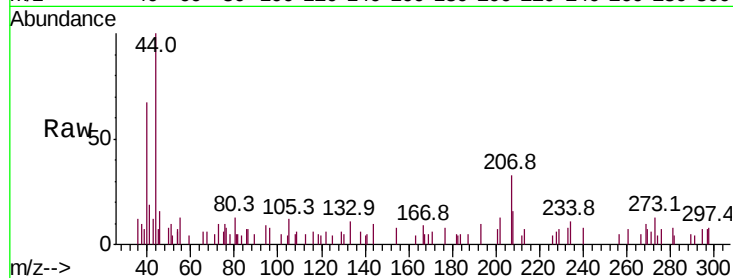
Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 75 Resp: 301

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



#37

Ethyl Acetate

Concen: 7.387 ug/l

RT: 4.29 min Scan# 381

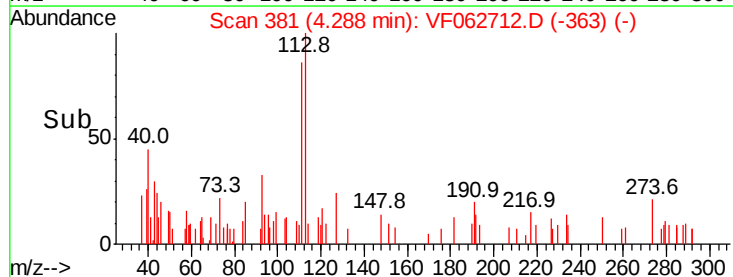
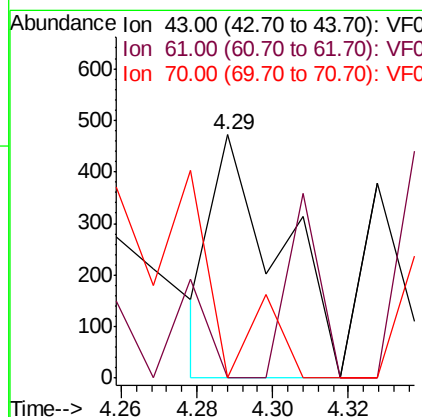
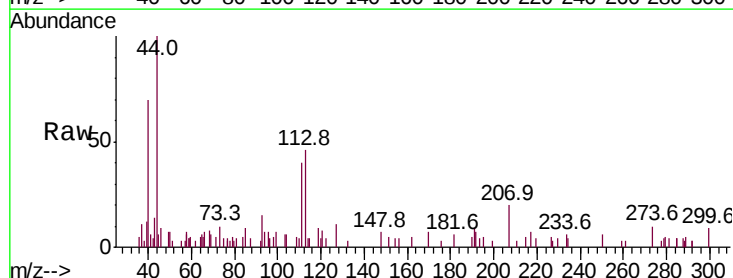
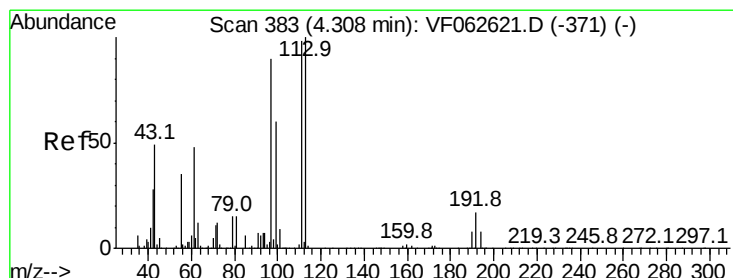
Delta R.T. -0.02 min

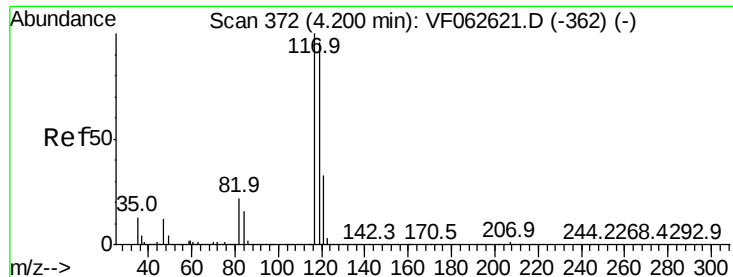
Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion: 43 Resp: 584

Ion	Ratio	Lower	Upper
43	100		
61	0.0	76.9	115.3#
70	0.0	8.8	13.2#

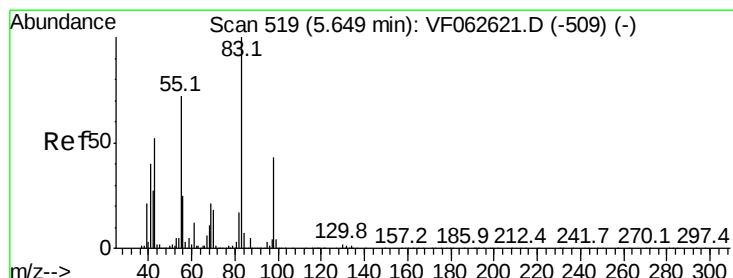
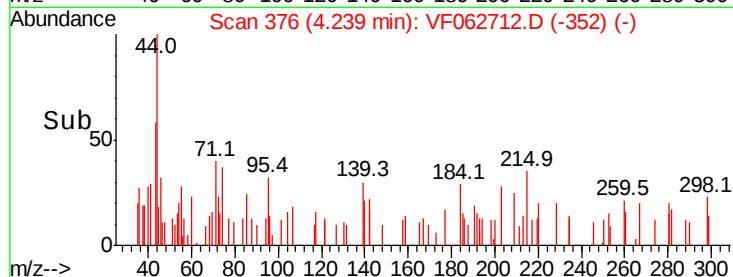
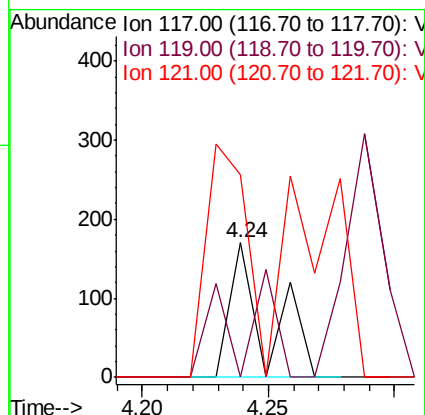
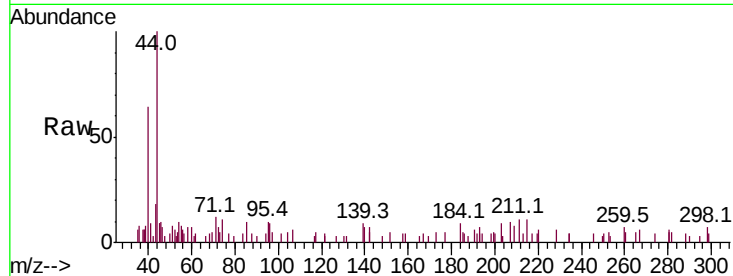




#38
Carbon Tetrachloride
Concen: 1.181 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.04 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

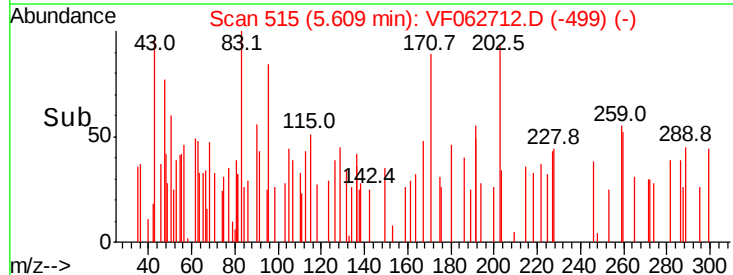
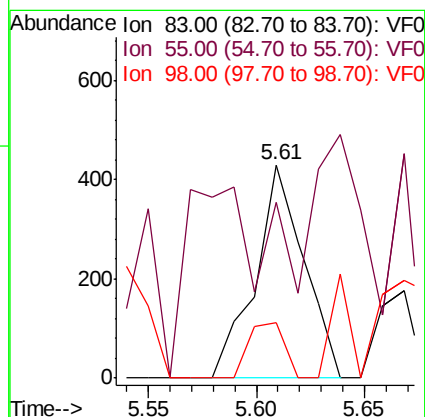
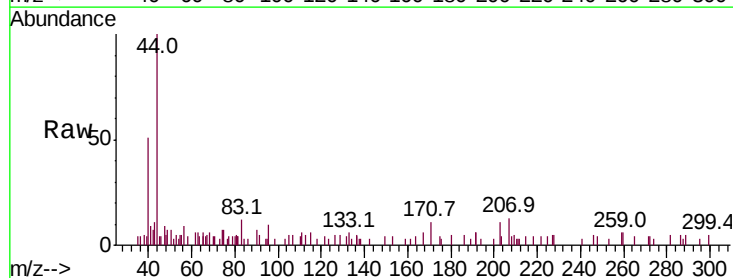
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

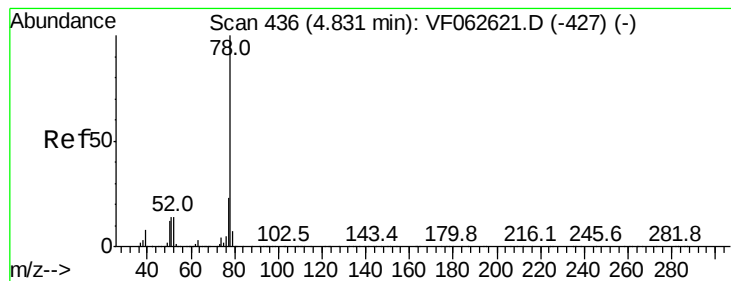
Tot Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.7	115.1#
121	150.6	26.6	40.0#



#39
Methylcyclohexane
Concen: 2.867 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.04 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.8	57.9	86.9
98	26.1	34.6	52.0#





#40

Benzene

Concen: 1.200 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

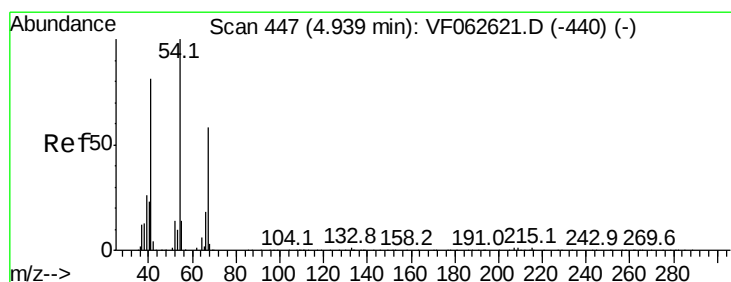
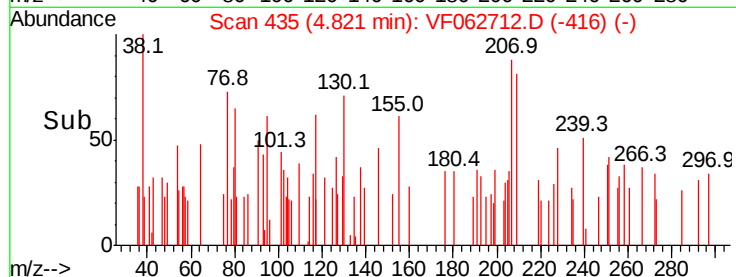
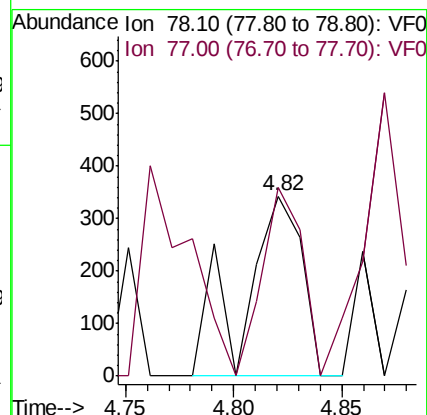
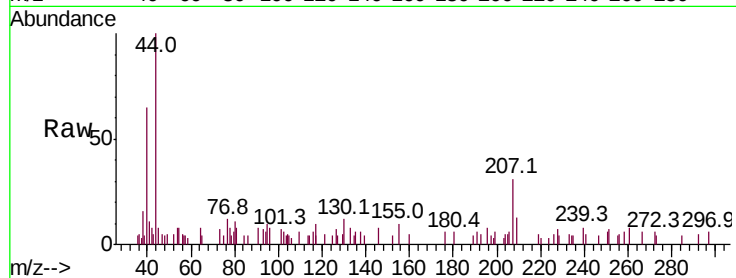
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 78 Resp: 633

Ion Ratio Lower Upper

78 100

77 105.0 18.2 27.2#



#41

Methacrylonitrile

Concen: 13.415 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.04 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion: 41 Resp: 556

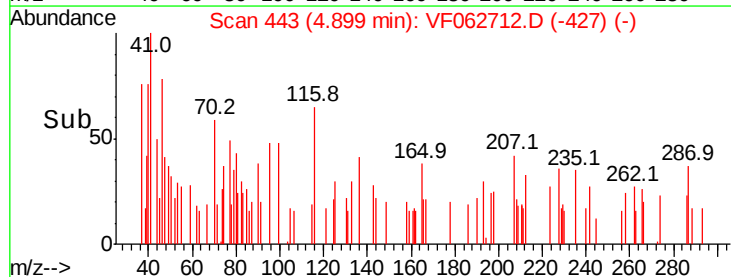
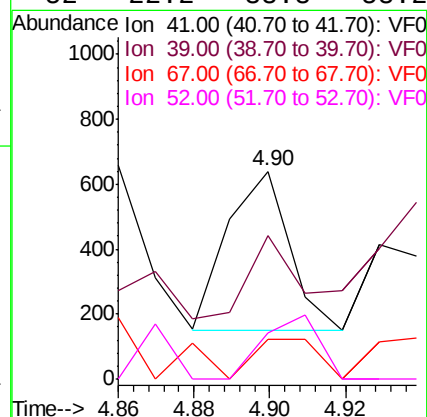
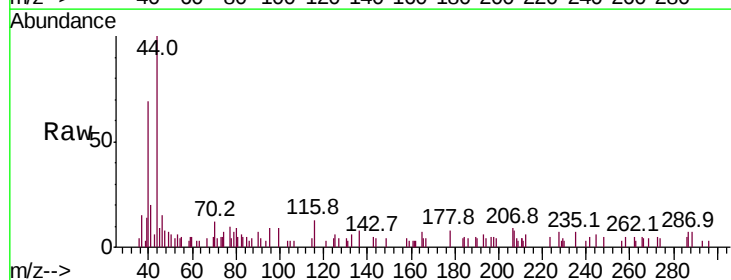
Ion Ratio Lower Upper

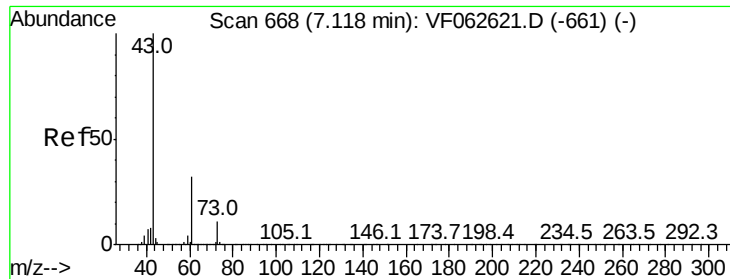
41 100

39 69.2 42.2 63.2#

67 19.2 56.4 84.6#

52 22.2 38.8 58.2#





#43

Isopropyl Acetate

Concen: 3.613 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

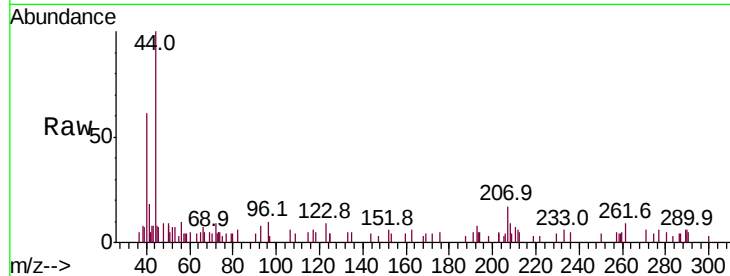
Tot Ion: 43 Resp: 370

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

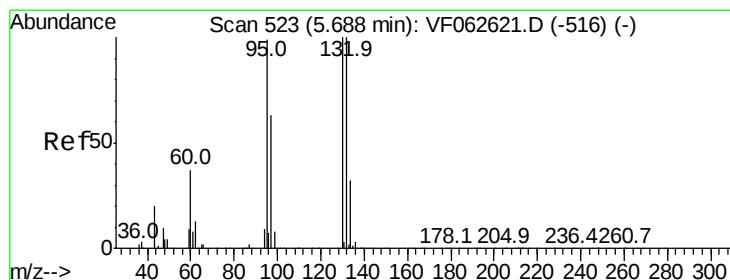
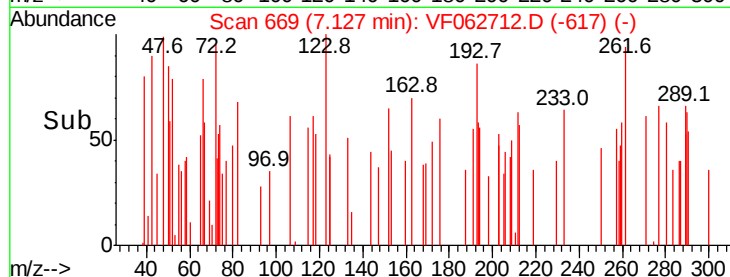
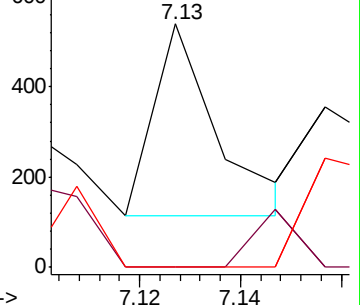
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 2.219 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.01 min

Lab File: VF062712.D

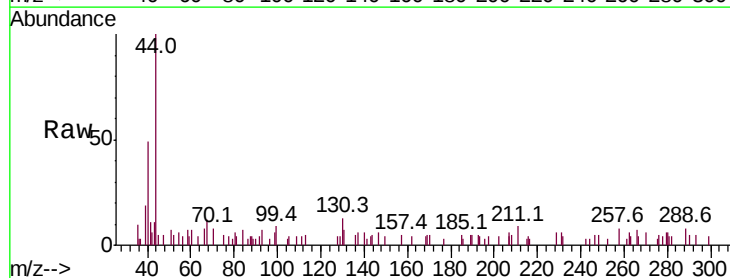
Acq: 22 May 2019 18:13

Tgt Ion: 130 Resp: 329

Ion Ratio Lower Upper

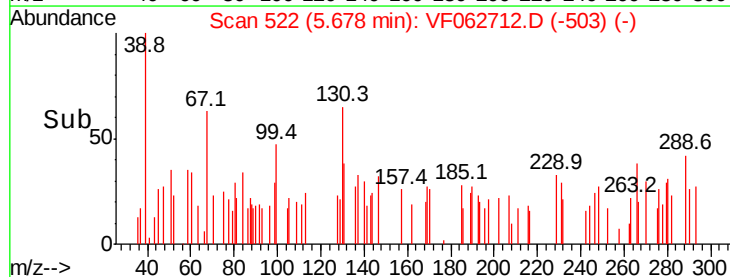
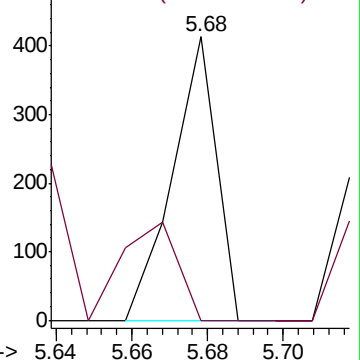
130 100

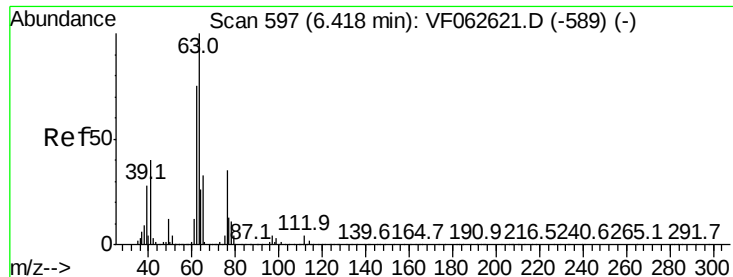
95 0.0 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 6.632 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

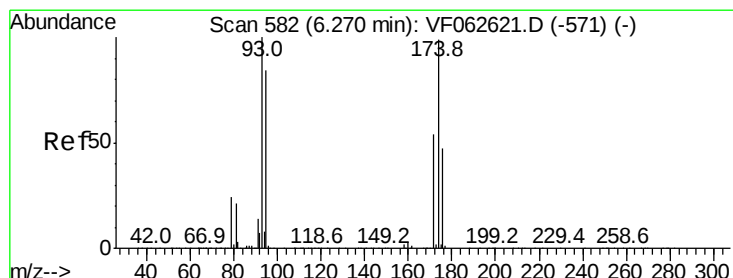
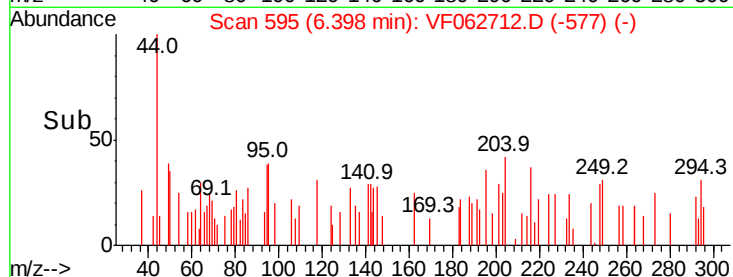
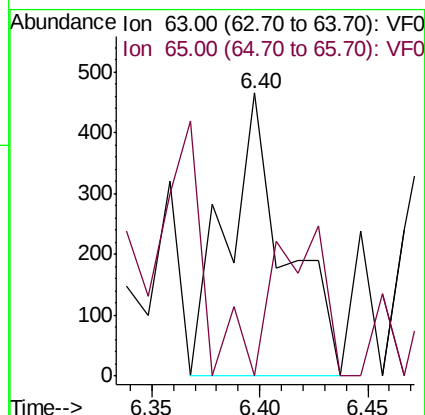
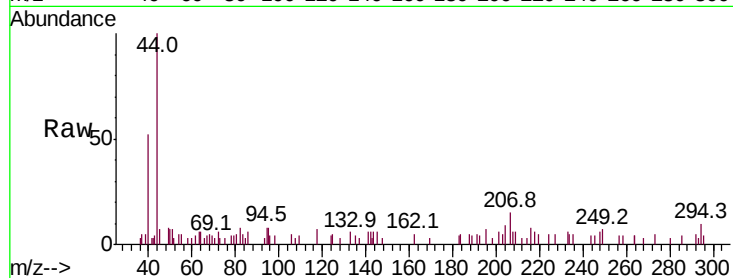
Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 63 Resp: 883

Ion	Ratio	Lower	Upper
63	100		
65	27.3	26.3	39.5



#46

Dibromomethane

Concen: 2.196 ug/l

RT: 6.24 min Scan# 579

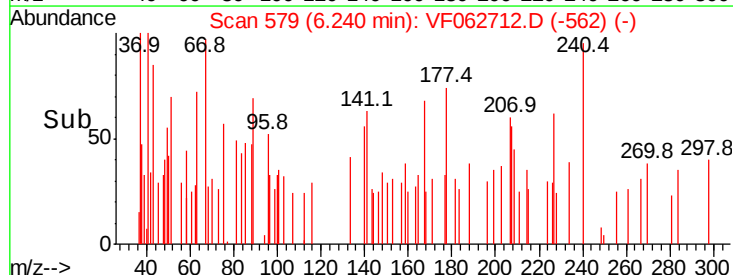
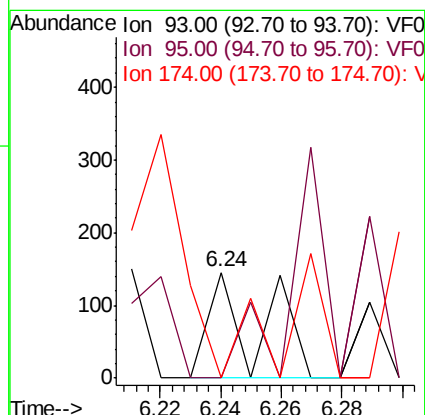
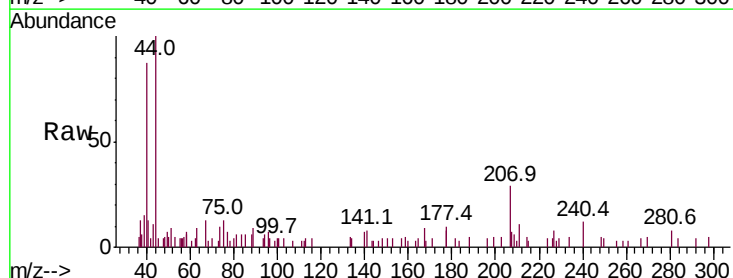
Delta R.T. -0.03 min

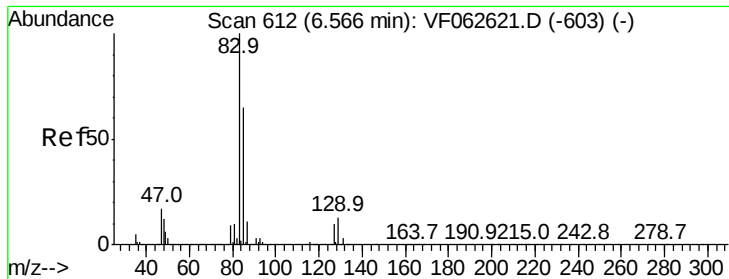
Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion: 93 Resp: 169

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





#47

Bromodichloromethane

Concen: 5.383 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

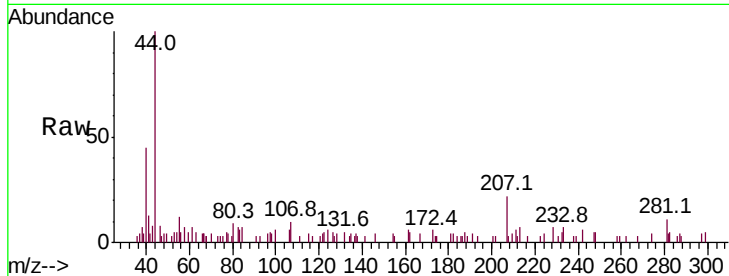
Tot Ion: 83 Resp: 860

Ion Ratio Lower Upper

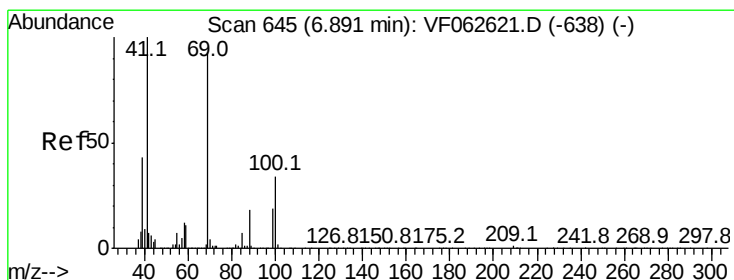
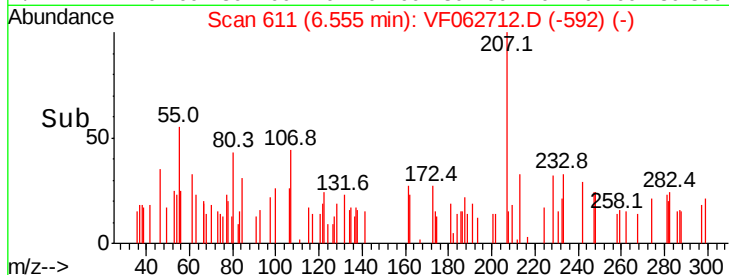
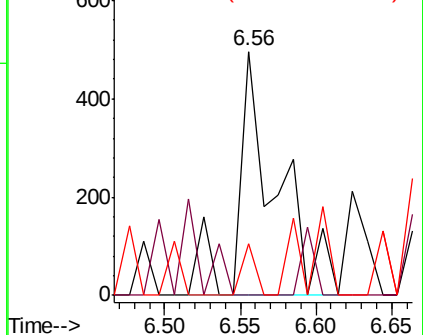
83 100

85 0.0 52.0 78.0#

127 21.4 7.7 11.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 27.666 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.04 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

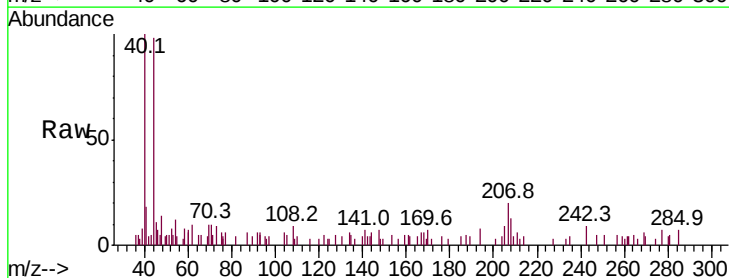
Tgt Ion: 41 Resp: 1481

Ion Ratio Lower Upper

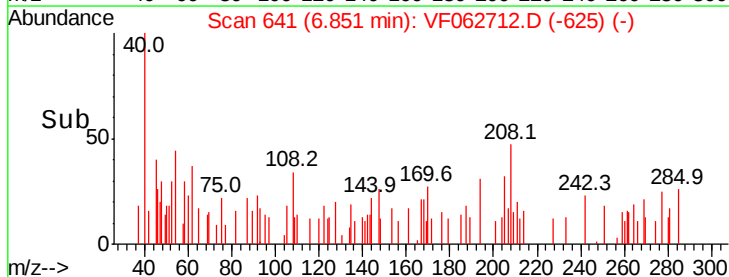
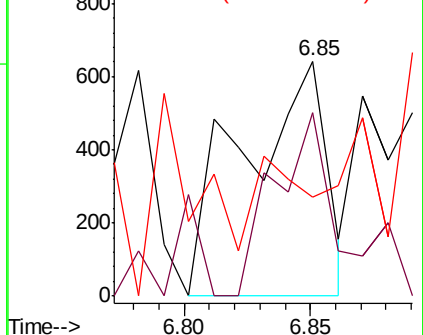
41 100

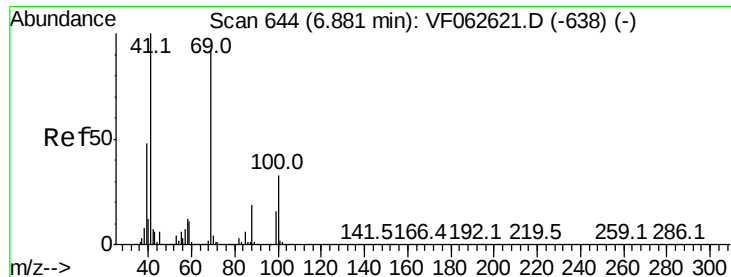
69 77.8 74.2 111.2

39 42.3 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 176.481 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

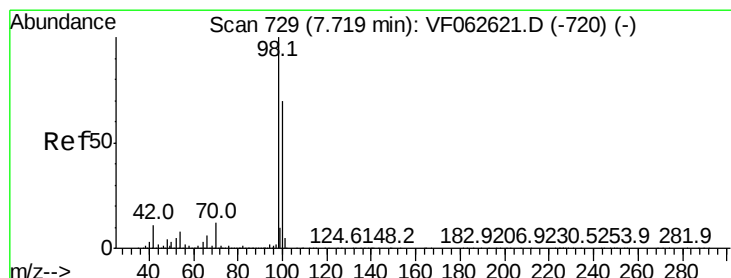
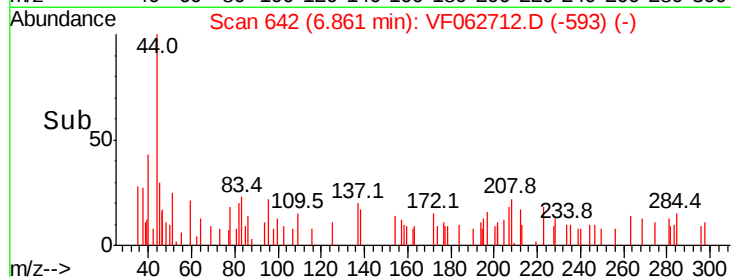
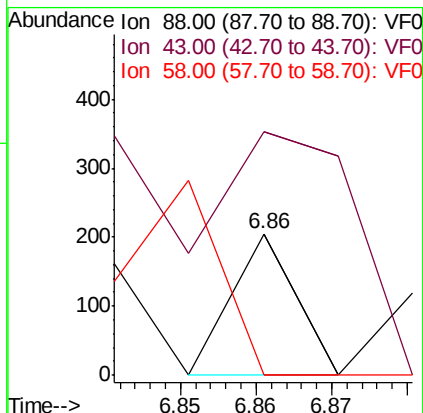
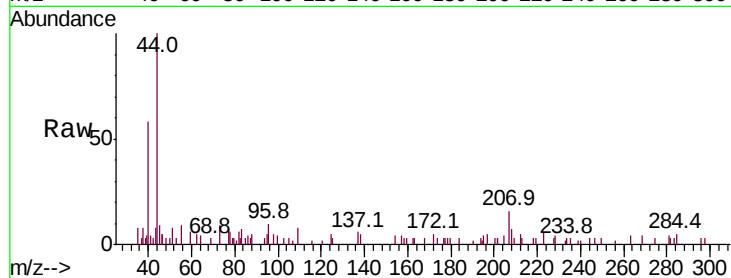
Tot Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 172.2 30.0 45.0#

58 0.0 51.1 76.7#



#50

Toluene-d8

Concen: 35.934 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062712.D

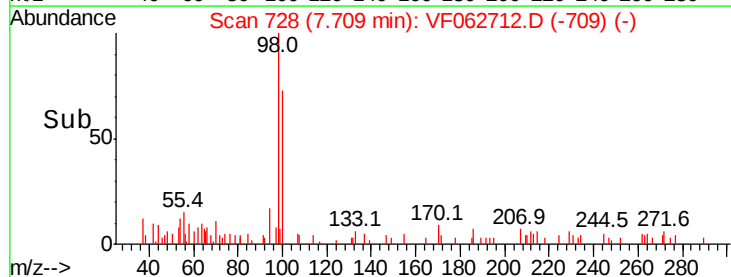
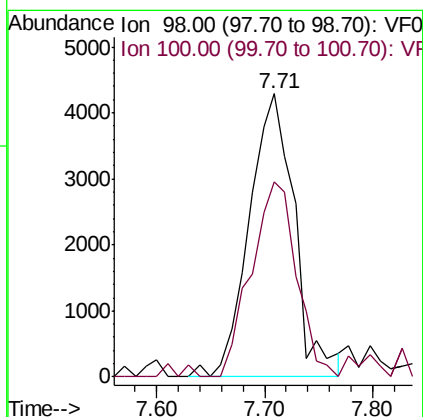
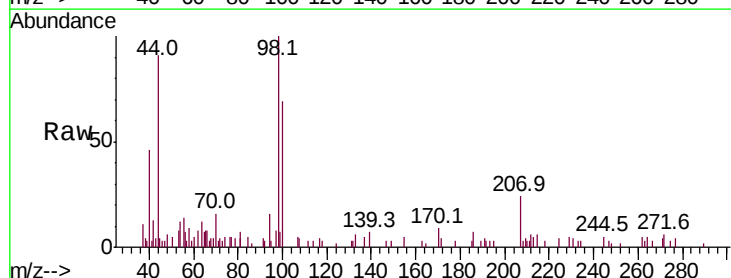
Acq: 22 May 2019 18:13

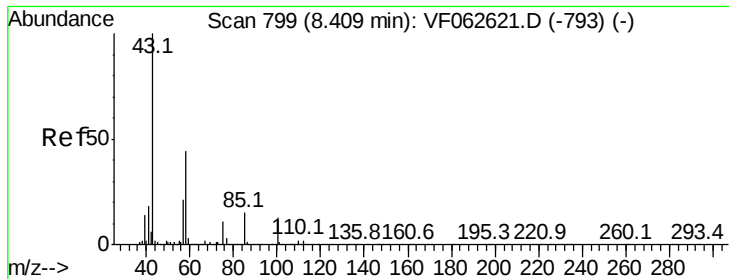
Tgt Ion: 98 Resp: 12405

Ion Ratio Lower Upper

98 100

100 69.1 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 8.871 ug/l

RT: 8.22 min Scan# 780

Delta R.T. -0.19 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

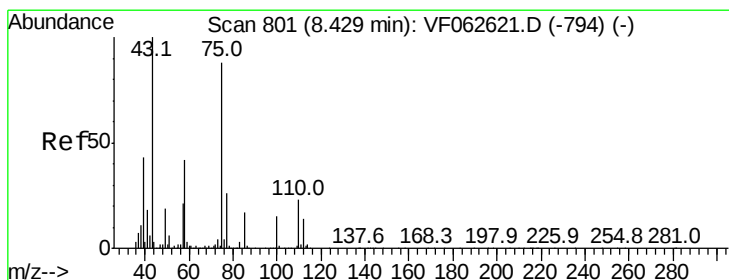
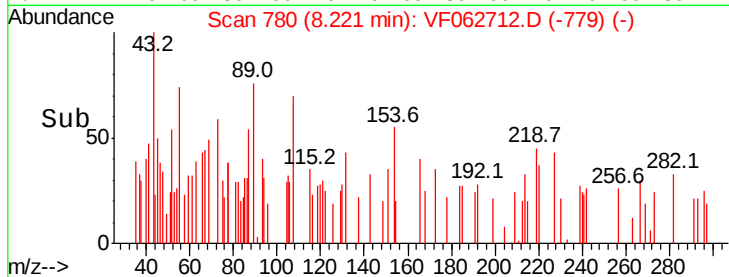
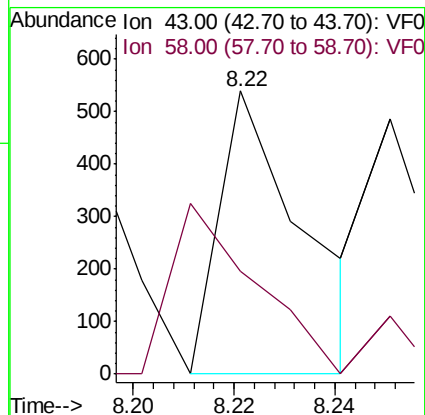
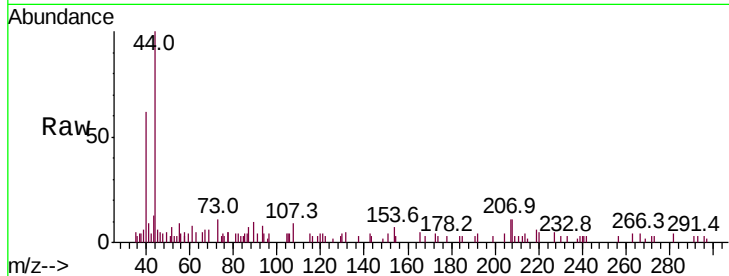
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 43 Resp: 621

Ion Ratio Lower Upper

43 100

58 36.4 34.9 52.3



#53

t-1,3-Dichloropropene

Concen: 1.071 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062712.D

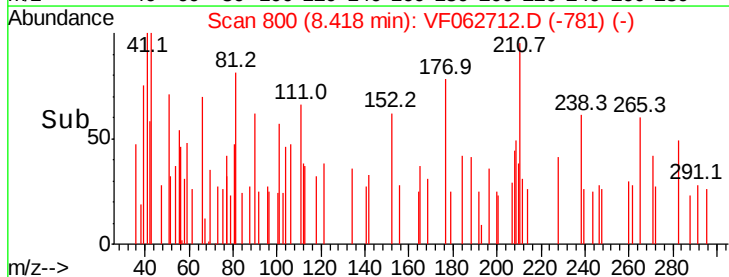
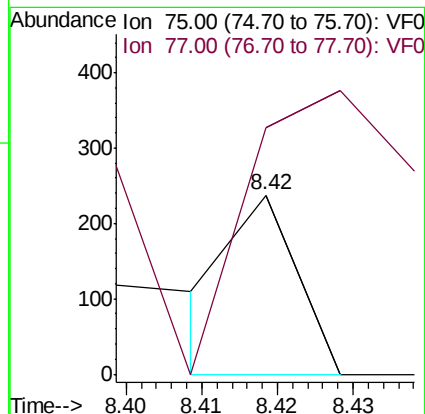
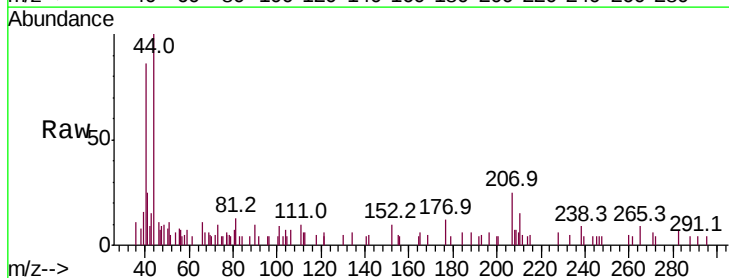
Acq: 22 May 2019 18:13

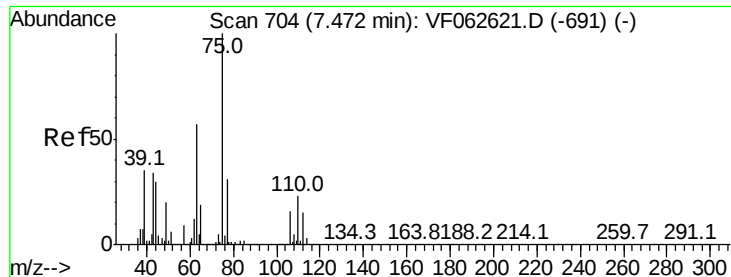
Tgt Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

77 138.0 24.2 36.4#





#54

cis-1,3-Dichloropropene

Concen: 2.104 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.05 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

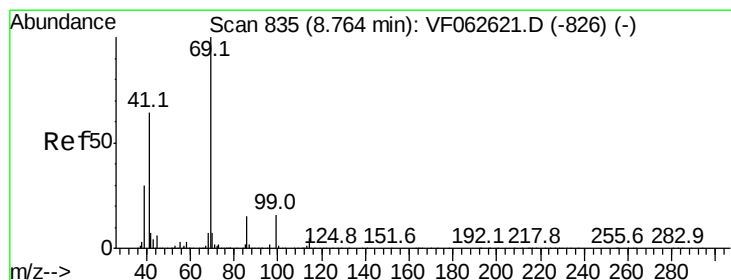
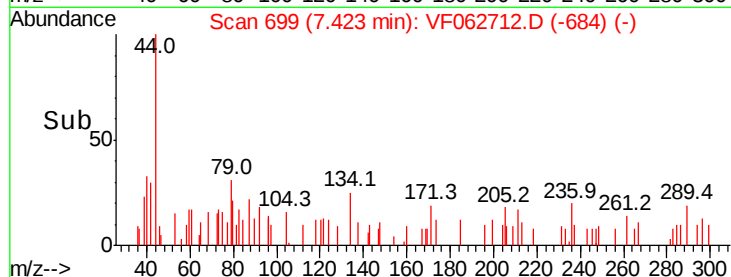
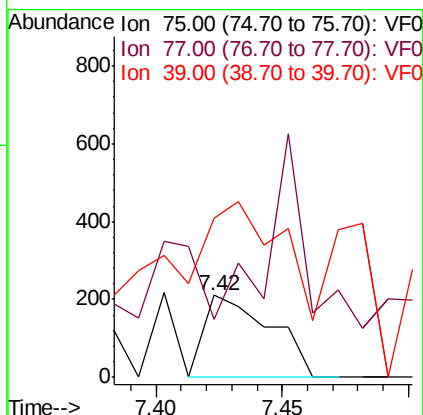
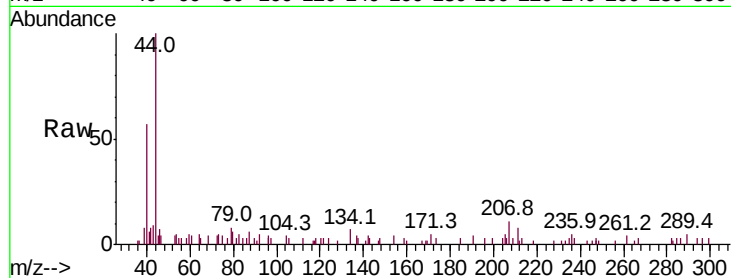
Tot Ion: 75 Resp: 385

Ion Ratio Lower Upper

75 100

77 71.1 25.3 37.9#

39 193.8 28.2 42.2#



#56

Ethyl methacrylate

Concen: 2.828 ug/l

RT: 8.71 min Scan# 830

Delta R.T. -0.05 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

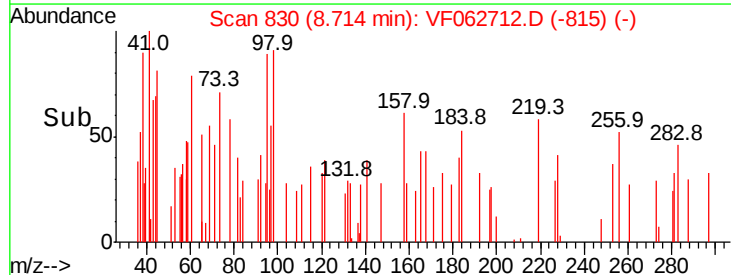
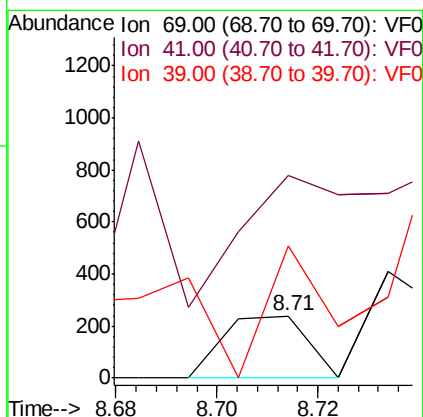
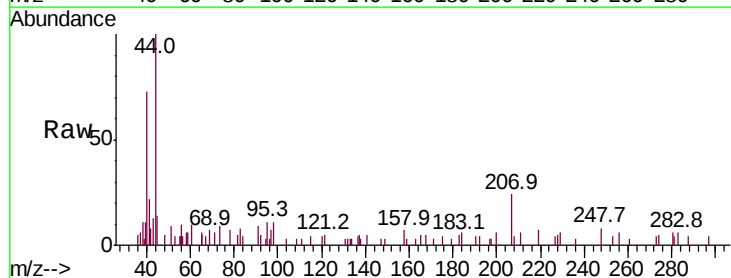
Tgt Ion: 69 Resp: 276

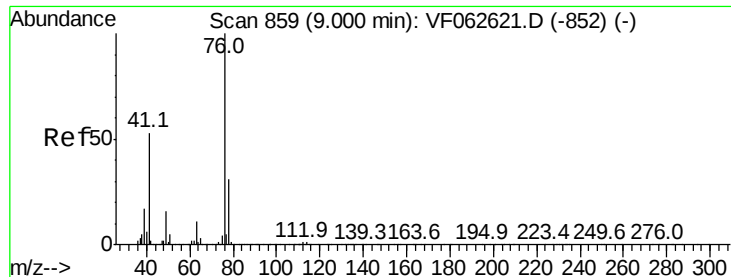
Ion Ratio Lower Upper

69 100

41 324.6 51.4 77.2#

39 211.2 23.6 35.4#





#57

1,3-Dichloropropane

Concen: 1.921 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

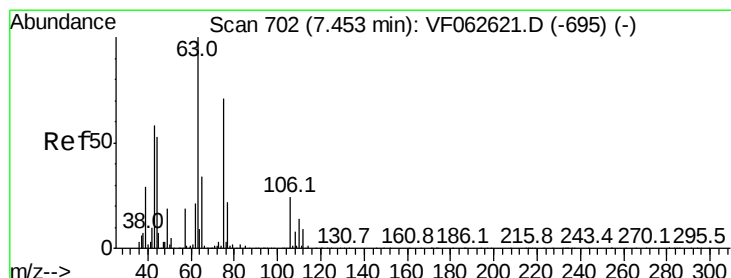
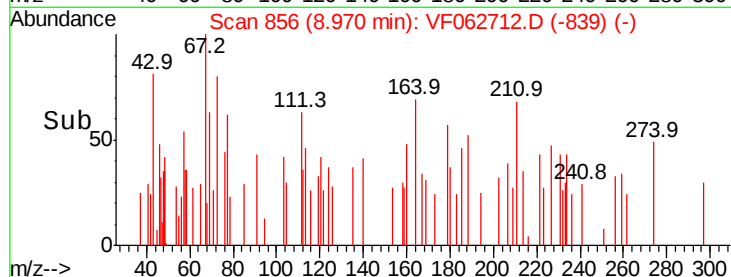
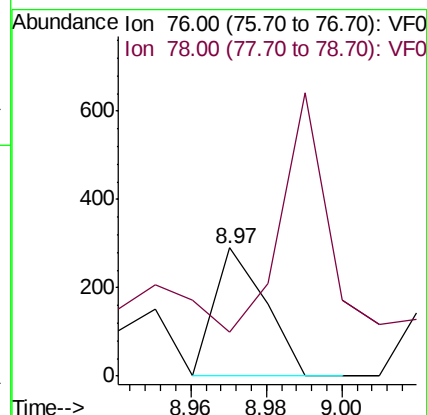
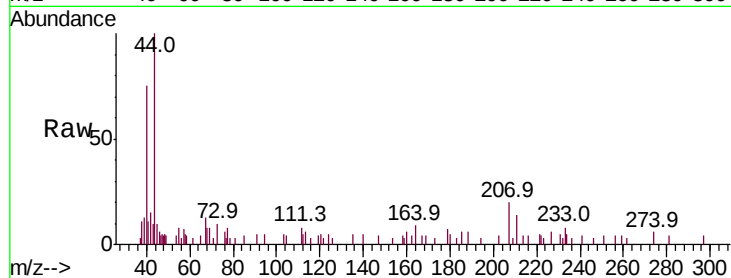
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion: 76 Resp: 268

Ion Ratio Lower Upper

76 100

78 34.5 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 1.952 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062712.D

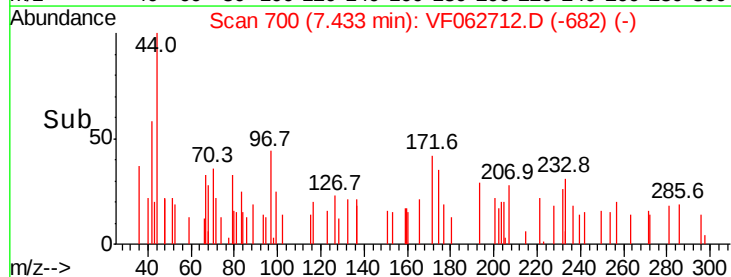
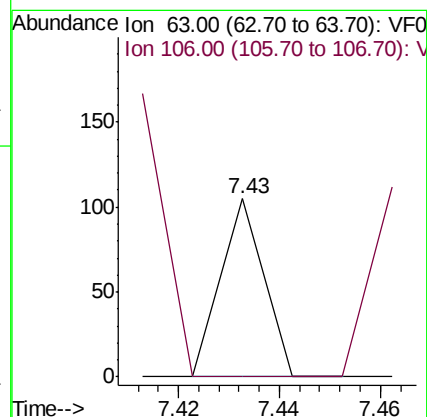
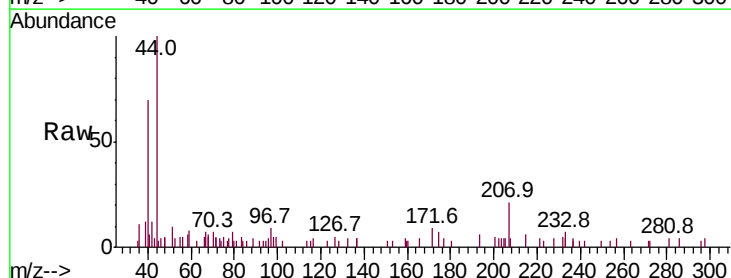
Acq: 22 May 2019 18:13

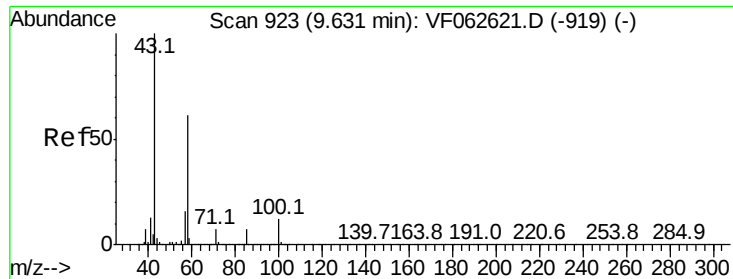
Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

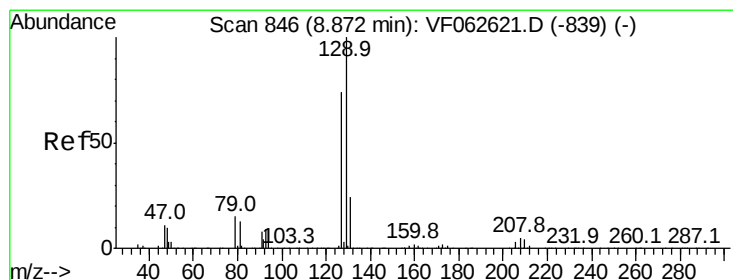
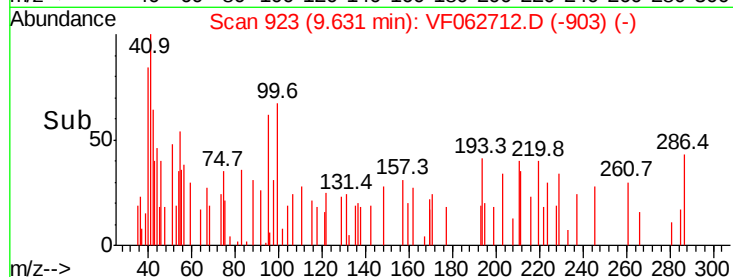
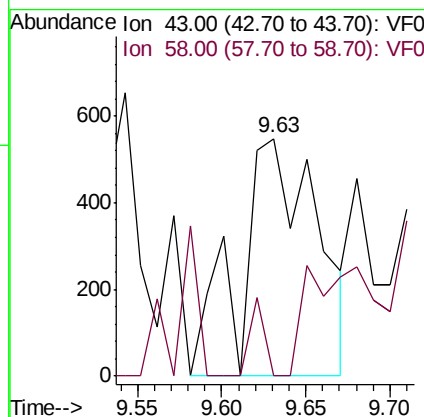
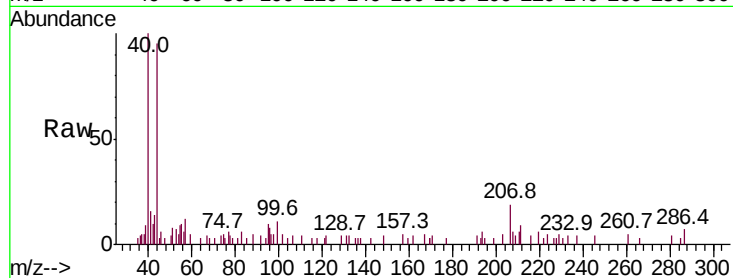




#59
2-Hexanone
Concen: 22.107 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

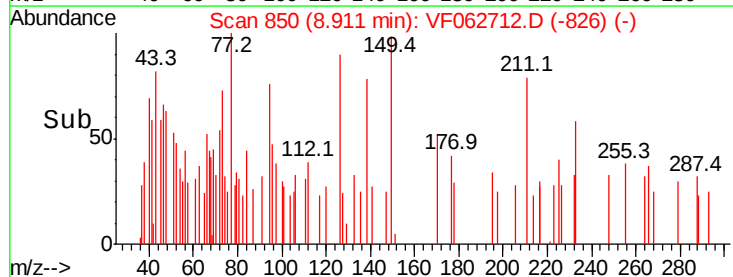
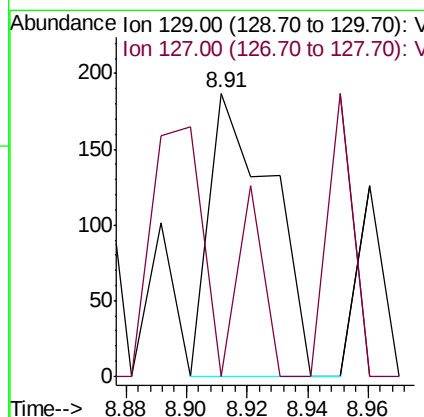
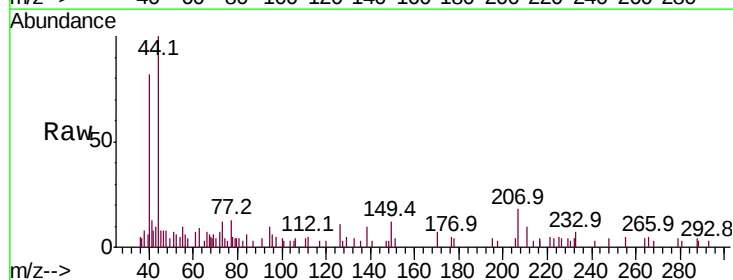
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

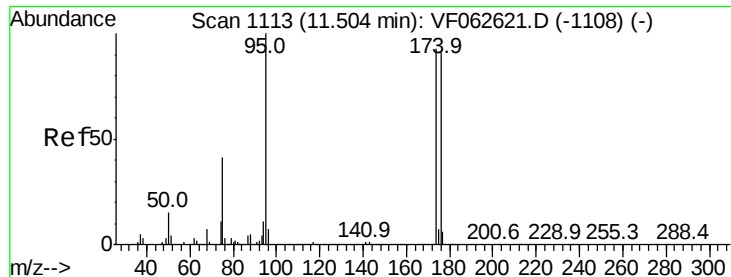
Tot Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.4#



#60
Dibromochloromethane
Concen: 2.501 ug/l
RT: 8.91 min Scan# 850
Delta R.T. 0.04 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion:129 Resp: 267
Ion Ratio Lower Upper
129 100
127 56.1 37.2 111.6





#62

4-Bromofluorobenzene

Concen: 4.659 ug/l

RT: 11.43 min Scan# 1106

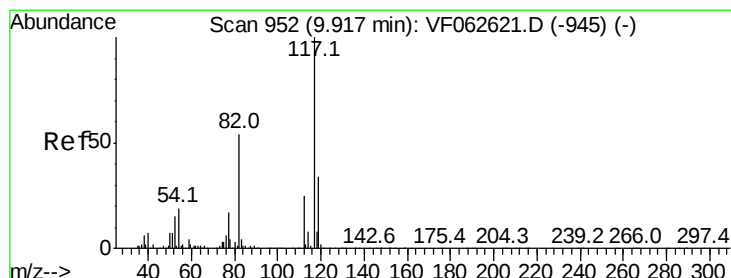
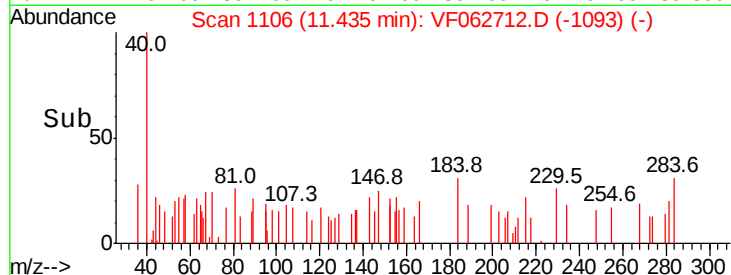
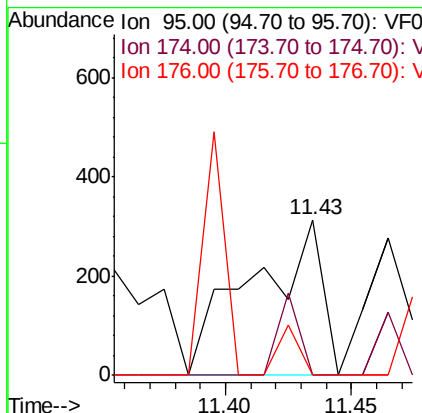
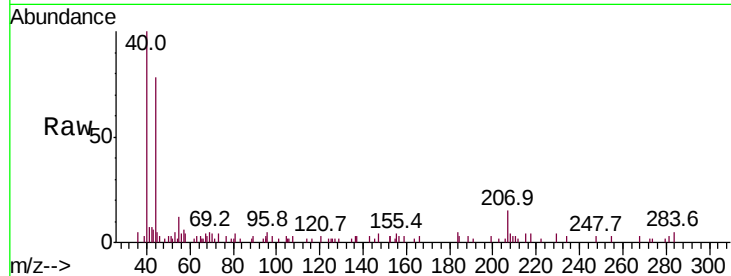
Delta R.T. -0.07 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion:	95	Resp:	610
Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	185.6
176	0.0	0.0	182.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

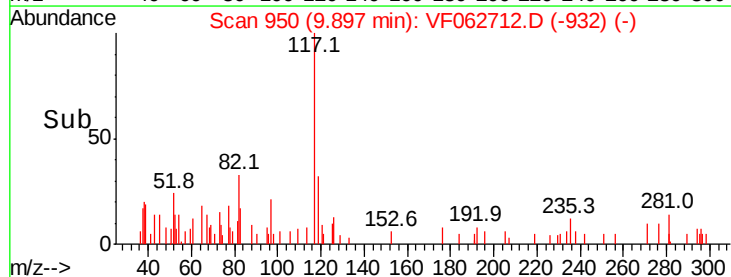
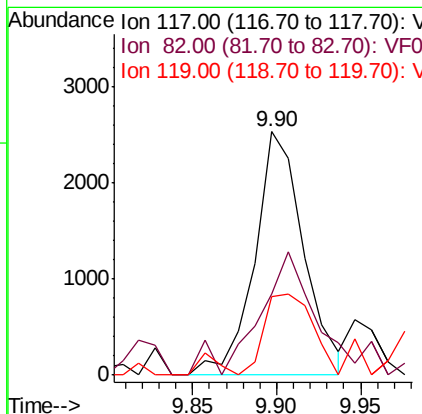
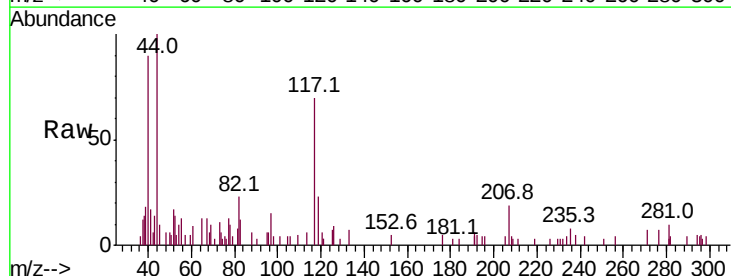
RT: 9.90 min Scan# 950

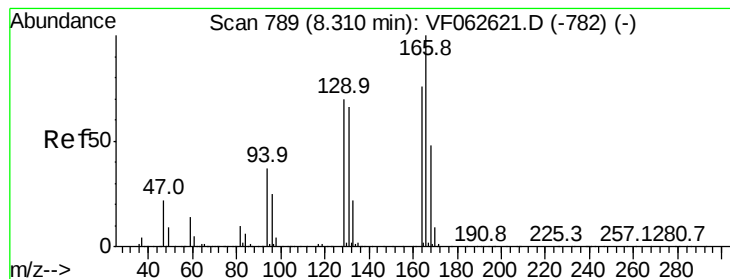
Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion:	117	Resp:	5114
Ion	Ratio	Lower	Upper
117	100		
82	33.4	43.3	64.9#
119	32.1	27.4	41.0





#64

Tetrachloroethene

Concen: 1.802 ug/l

RT: 8.34 min Scan# 792

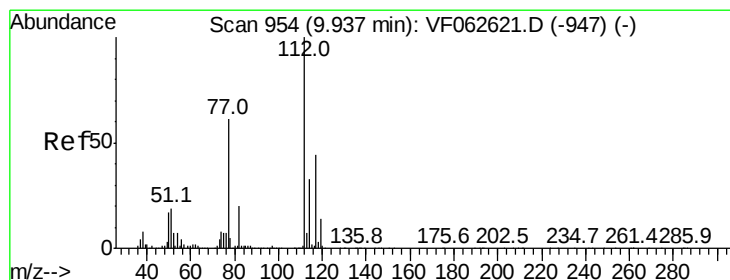
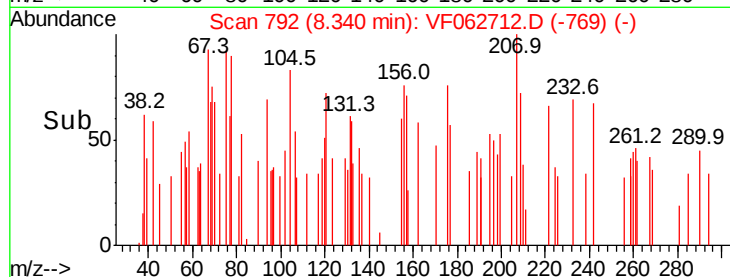
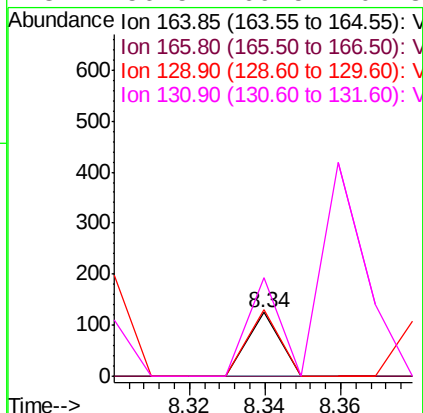
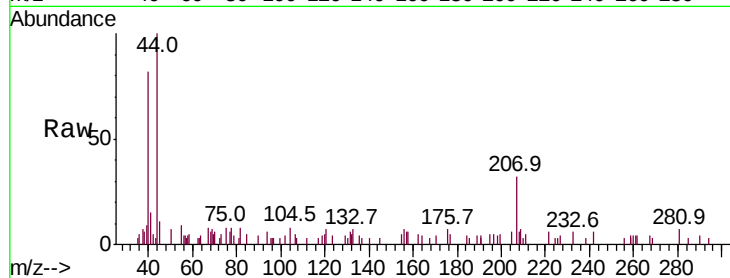
Delta R.T. 0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion:	164	Resp:	73
Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	104.8	73.8	110.6
131	156.5	69.5	104.3#



#65

Chlorobenzene

Concen: 1.185 ug/l

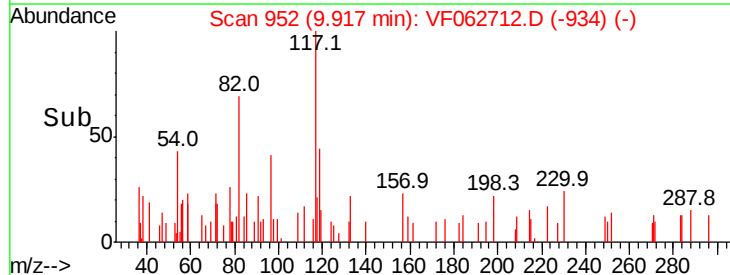
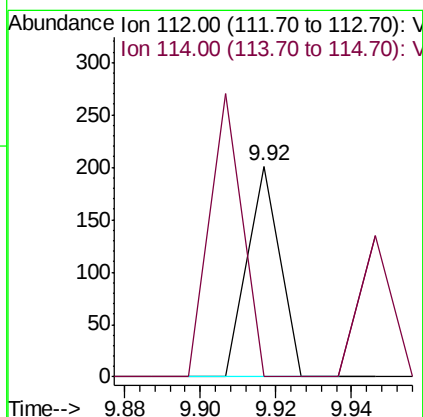
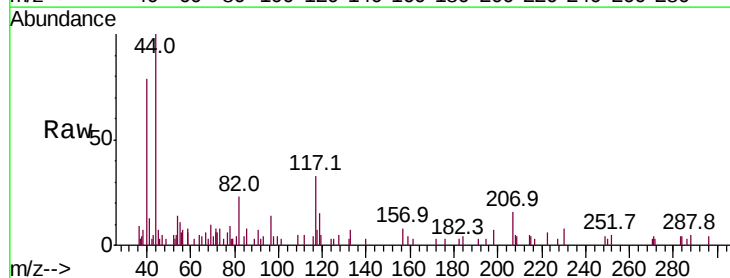
RT: 9.92 min Scan# 952

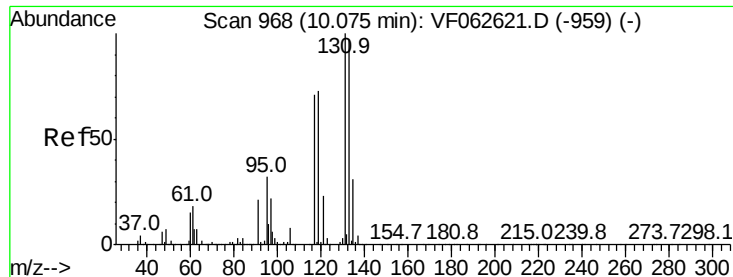
Delta R.T. -0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion:	112	Resp:	119
Ion	Ratio	Lower	Upper
112	100		
114	0.0	26.8	40.2#





#66

1,1,1,2-Tetrachloroethane

Concen: 1.810 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

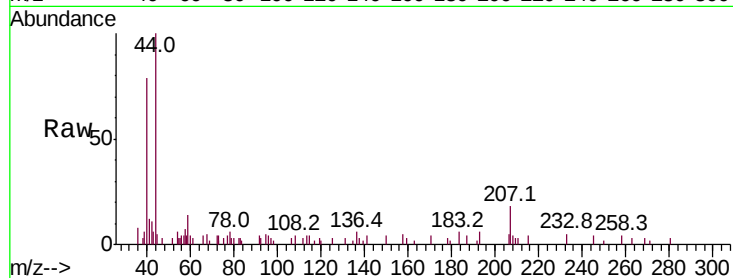
Tot Ion:131 Resp: 73

Ion Ratio Lower Upper

131 100

133 0.0 48.5 145.5#

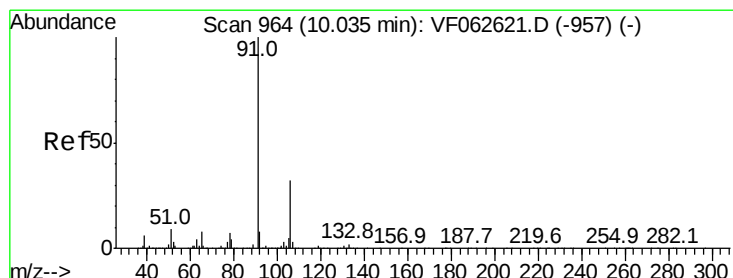
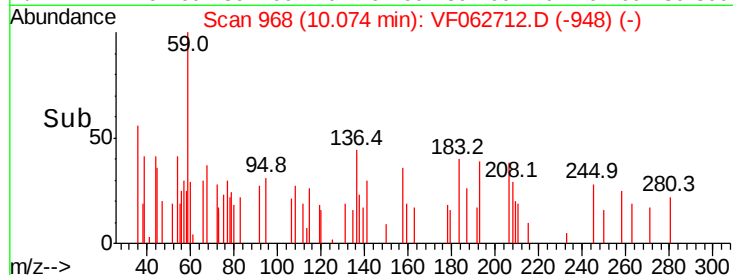
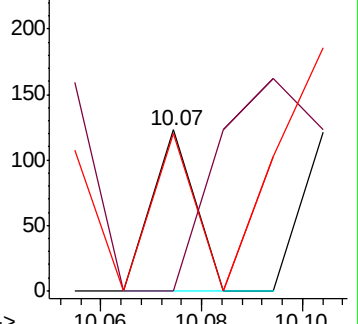
119 97.6 36.8 110.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 2.075 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062712.D

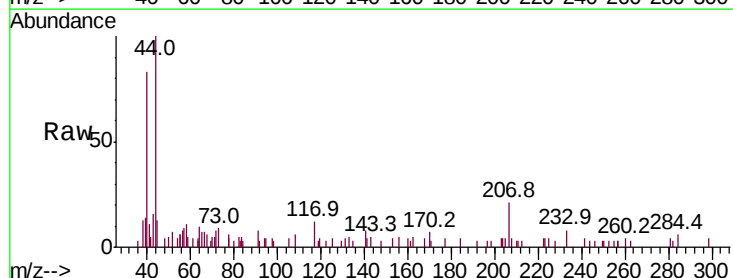
Acq: 22 May 2019 18:13

Tgt Ion: 91 Resp: 362

Ion Ratio Lower Upper

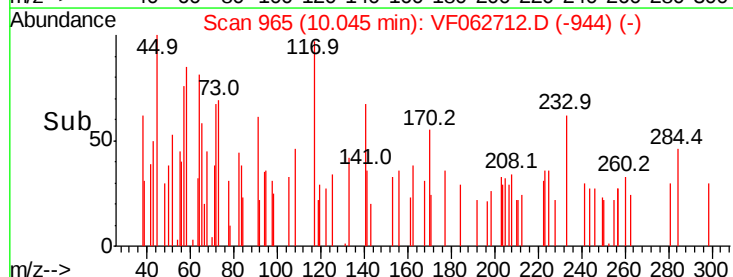
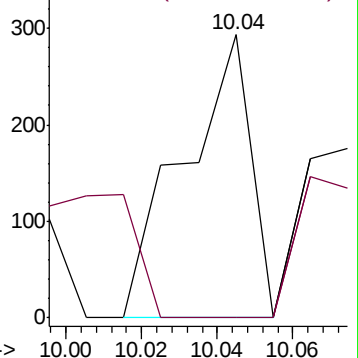
91 100

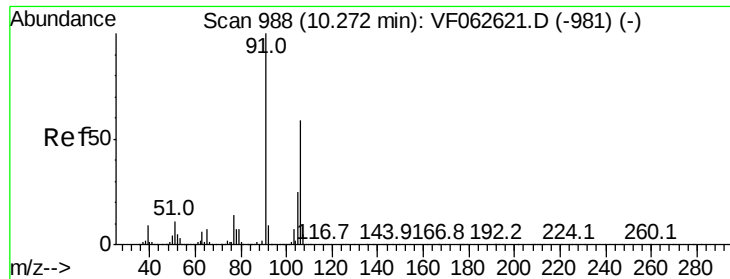
106 0.0 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

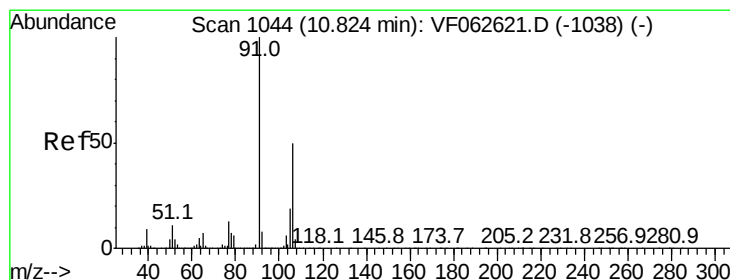
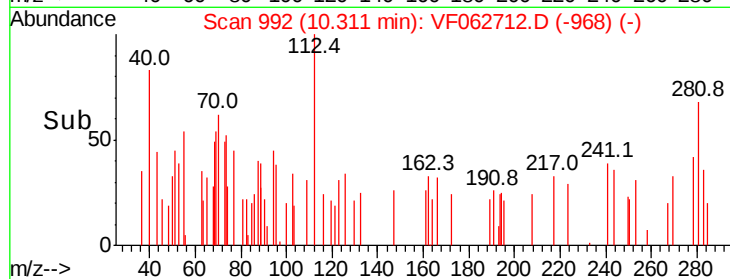
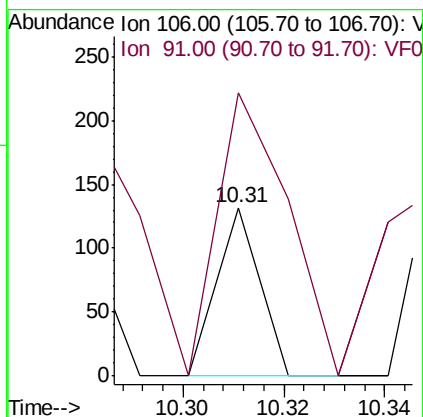
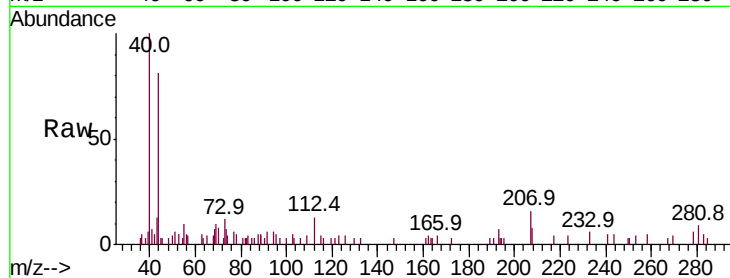




#68
m/p-Xylenes
Concen: 1.189 ug/l
RT: 10.31 min Scan# 992
Delta R.T. 0.04 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

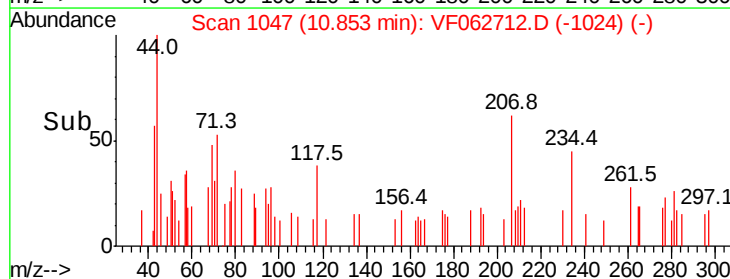
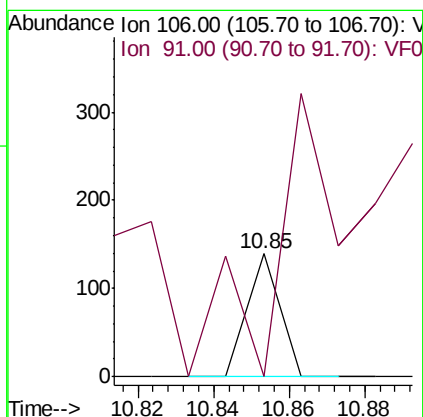
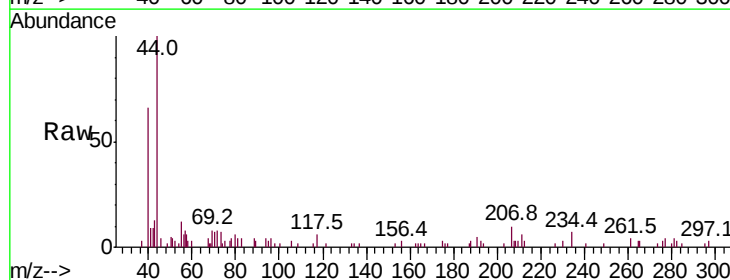
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

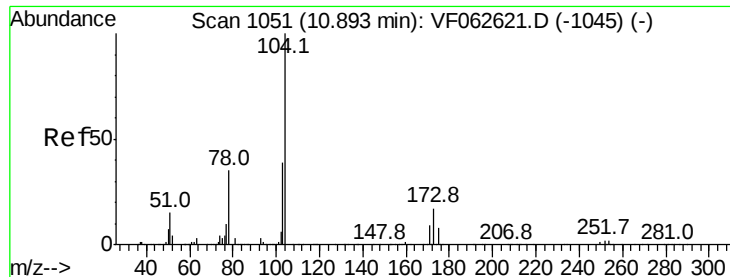
Tot Ion:106 Resp: 78
Ion Ratio Lower Upper
106 100
91 168.2 136.9 205.3



#69
o-Xylene
Concen: 1.214 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.03 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion:106 Resp: 82
Ion Ratio Lower Upper
106 100
91 0.0 100.2 300.5#





#71

Bromoform

Concen: 5.942 ug/l

RT: 10.92 min Scan# 1054

Delta R.T. 0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

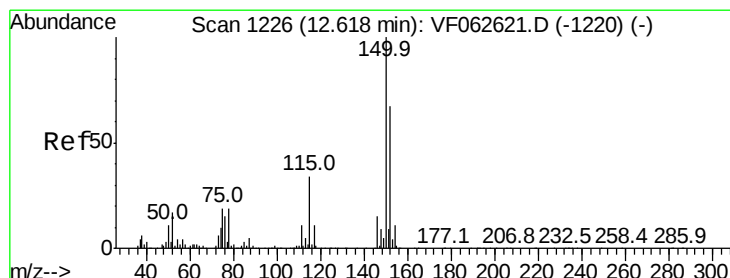
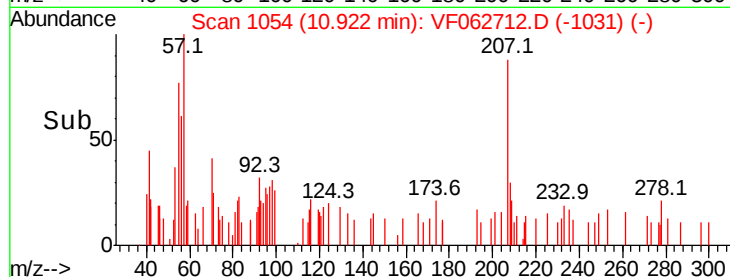
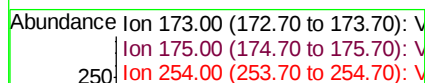
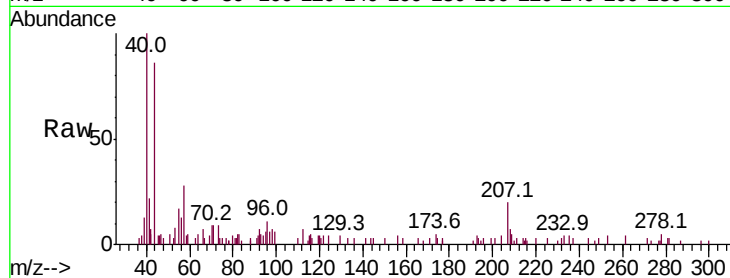
Tot Ion:173 Resp: 120

Ion Ratio Lower Upper

173 100

175 0.0 25.3 75.9#

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.59 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

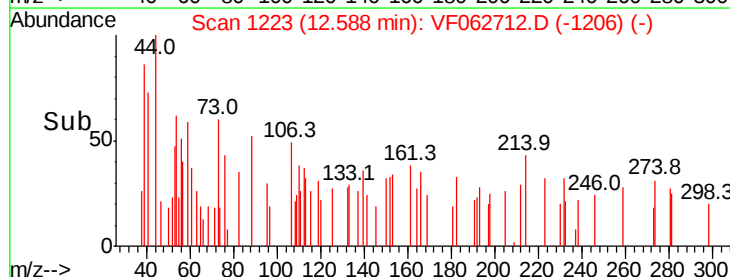
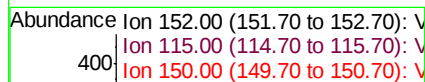
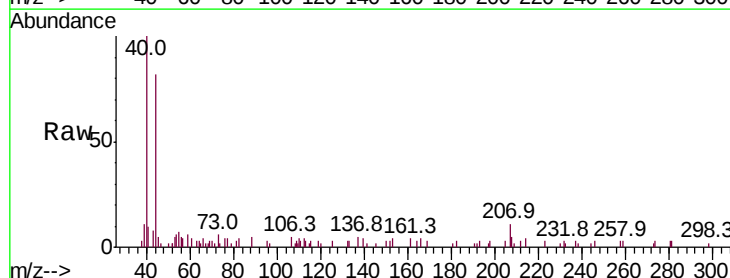
Tgt Ion:152 Resp: 174

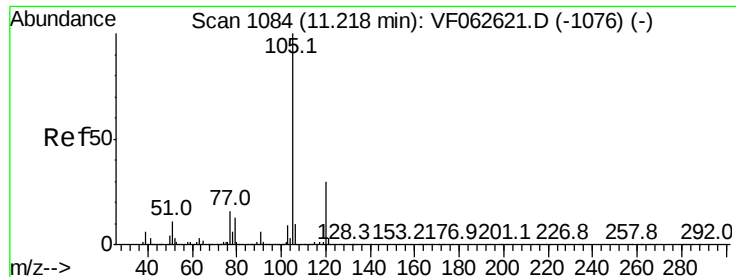
Ion Ratio Lower Upper

152 100

115 138.8 25.2 75.6#

150 94.5 0.0 306.2





#73

Isopropylbenzene

Concen: 47.792 ug/l

RT: 11.19 min Scan# 1081

Delta R.T. -0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

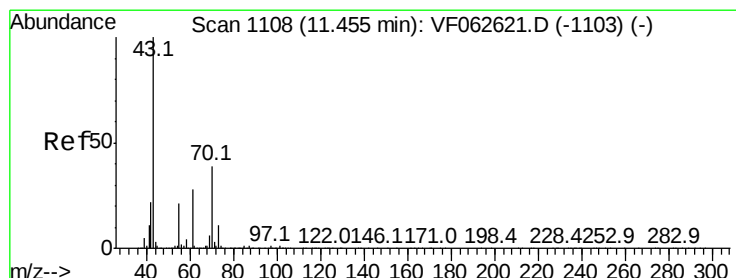
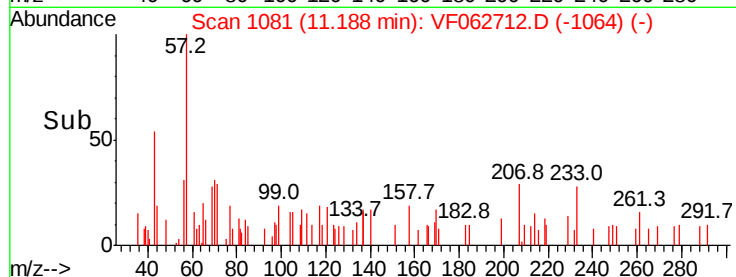
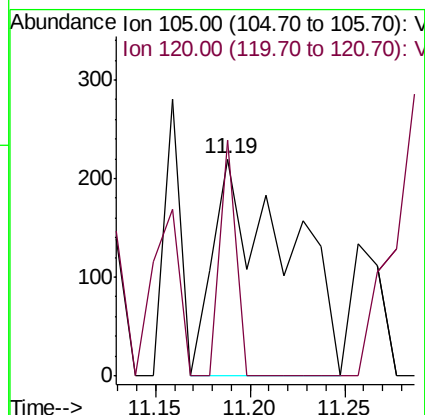
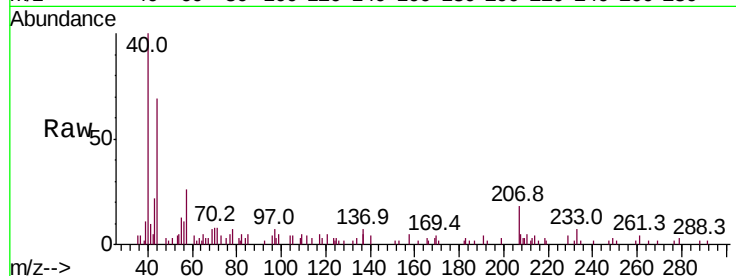
21-C1-20190391RE

Tot Ion:105 Resp: 596

Ion Ratio Lower Upper

105 100

120 108.6 14.8 44.4#



#74

N-ethyl acetate

Concen: 84.745 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion: 43 Resp: 257

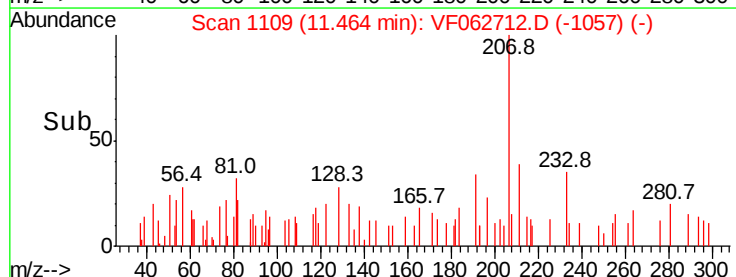
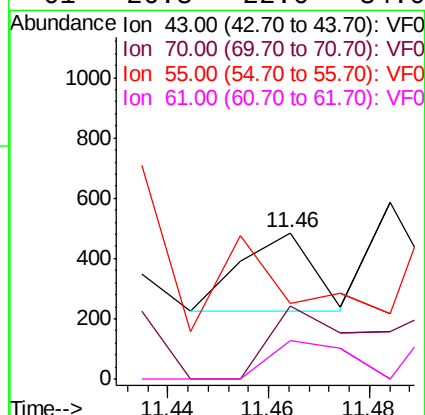
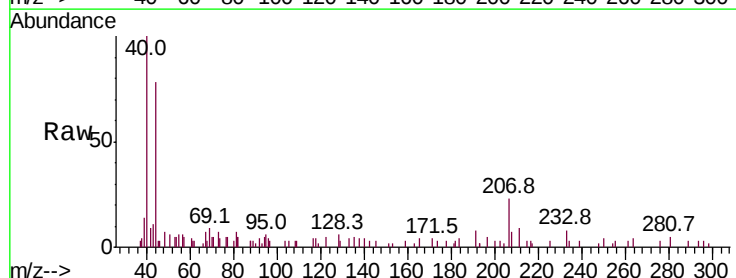
Ion Ratio Lower Upper

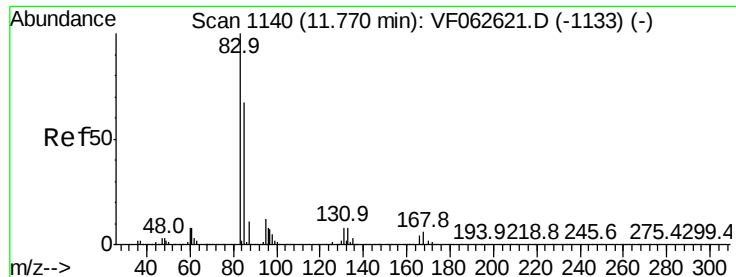
43 100

70 50.0 30.9 46.3#

55 52.1 17.0 25.4#

61 26.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 304.482 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

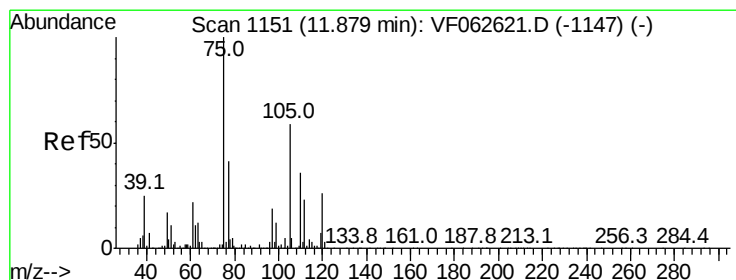
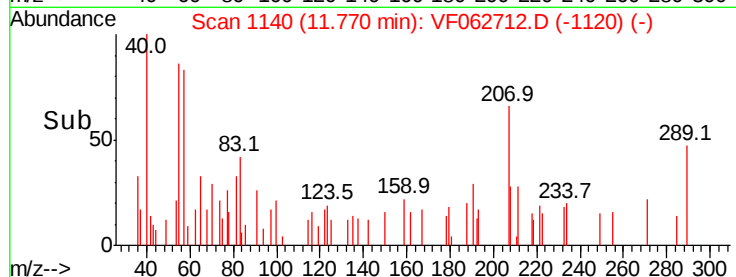
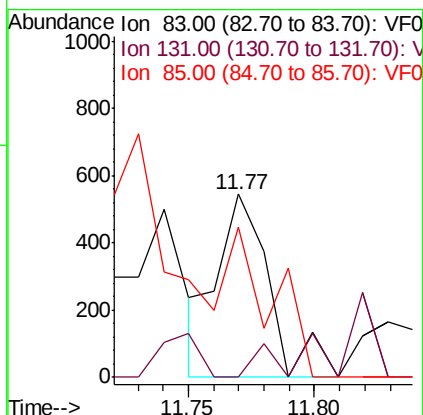
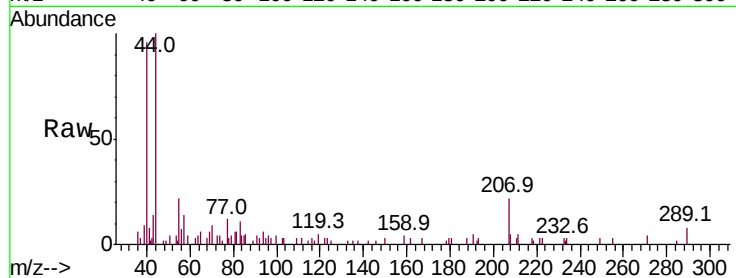
Tot Ion: 83 Resp: 776

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 81.7 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 279.472 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062712.D

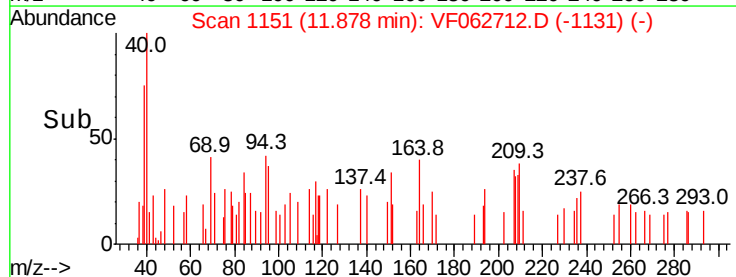
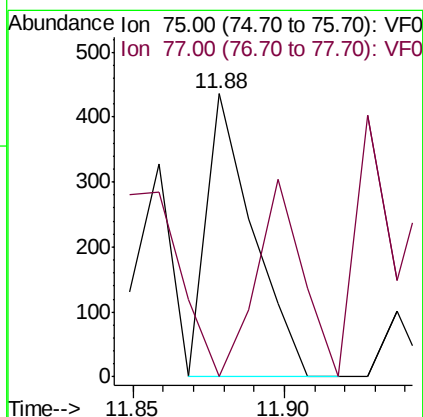
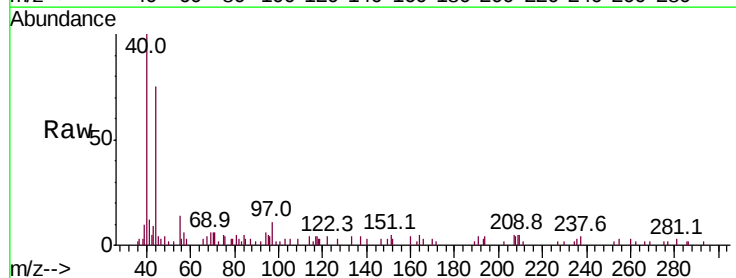
Acq: 22 May 2019 18:13

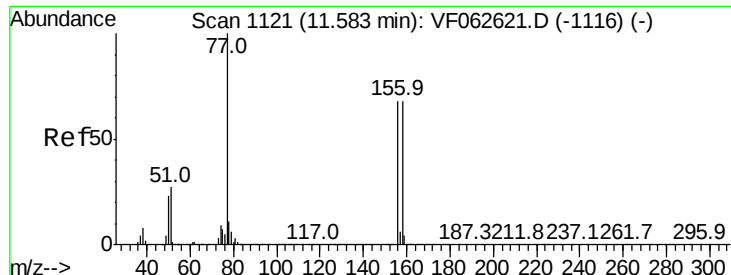
Tgt Ion: 75 Resp: 468

Ion Ratio Lower Upper

75 100

77 0.0 20.6 61.8#





#77

Bromobenzene

Concen: 68.390 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.09 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

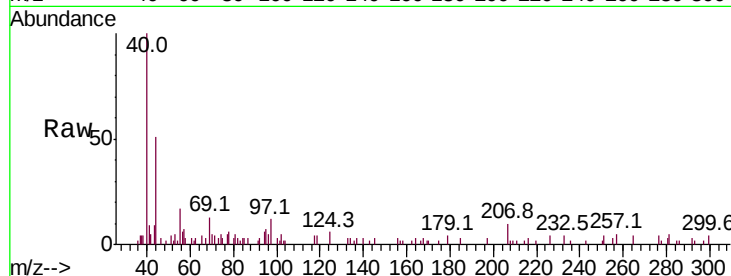
Tot Ion:156 Resp: 212

Ion Ratio Lower Upper

156 100

77 200.0 73.6 220.8

158 88.4 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

800

600

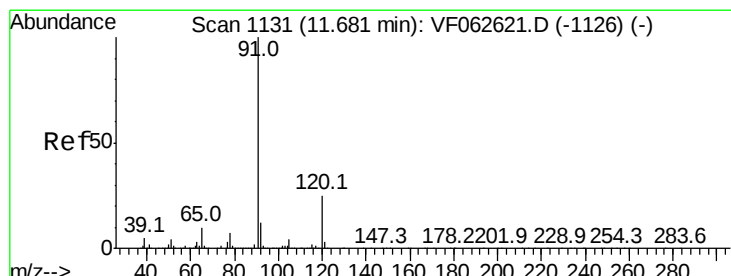
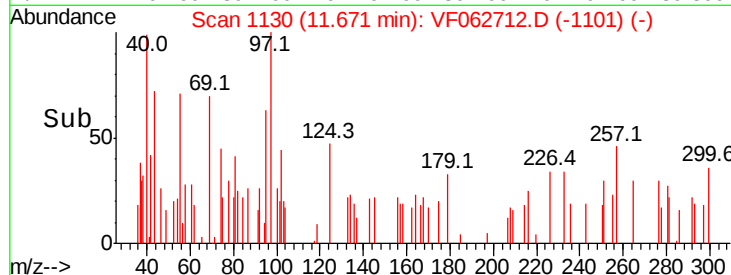
400

200

0

11.65 11.70

Time-->



#78

n-propylbenzene

Concen: 78.326 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. 0.03 min

Lab File: VF062712.D

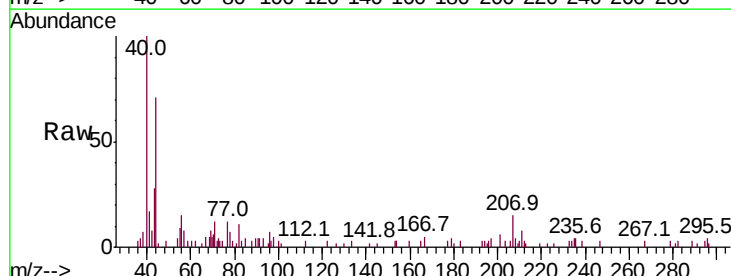
Acq: 22 May 2019 18:13

Tgt Ion: 91 Resp: 1156

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

400

300

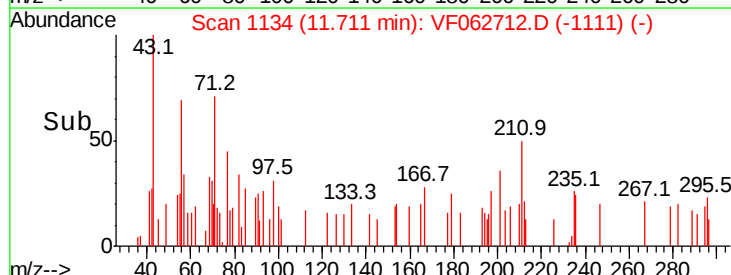
200

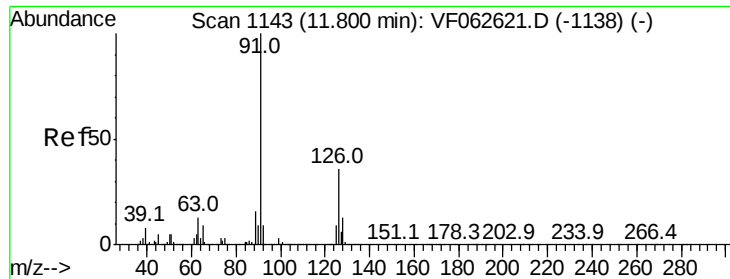
100

0

11.60 11.70

Time-->

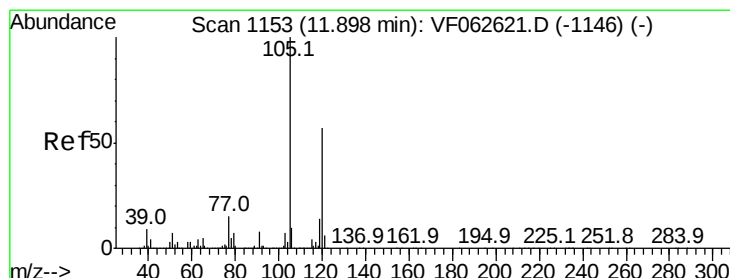
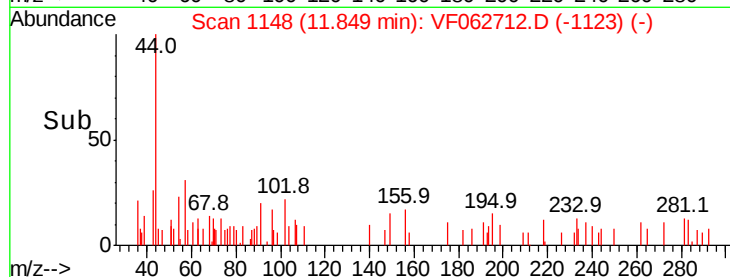
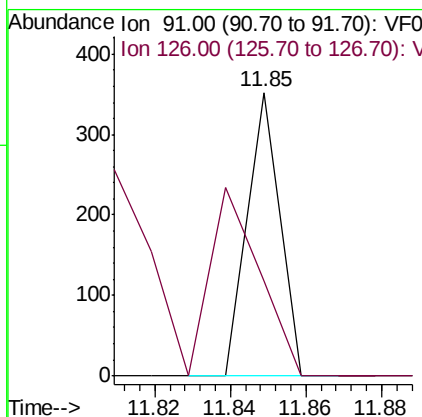
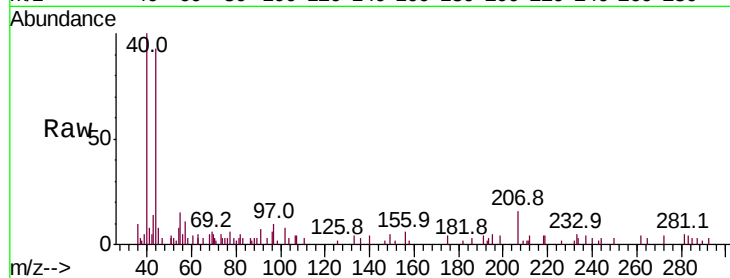




#79
2-Chlorotoluene
Concen: 25.007 ug/l
RT: 11.85 min Scan# 1148
Delta R.T. 0.05 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

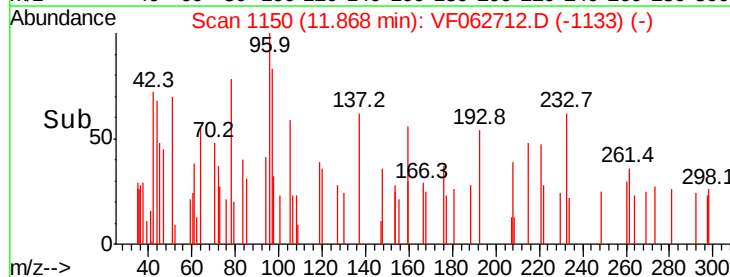
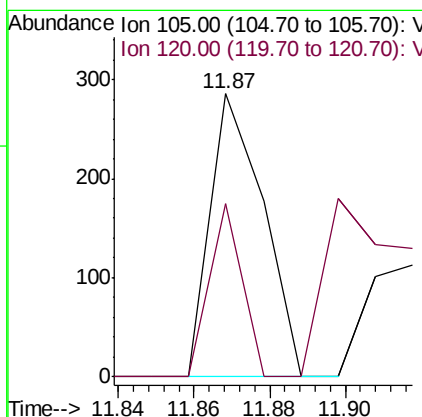
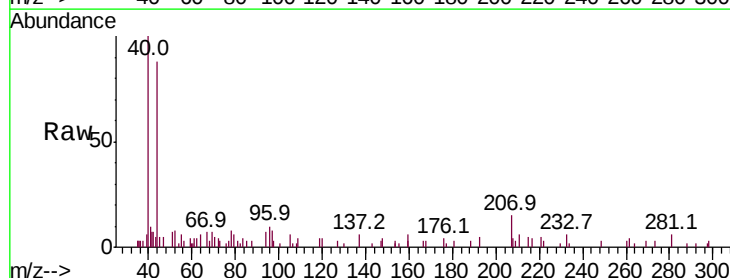
Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

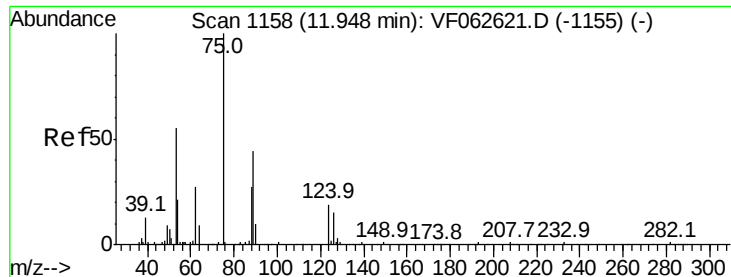
Tot Ion: 91 Resp: 208
Ion Ratio Lower Upper
91 100
126 33.5 18.1 54.4



#80
1,3,5-Trimethylbenzene
Concen: 27.401 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. -0.03 min
Lab File: VF062712.D
Acq: 22 May 2019 18:13

Tgt Ion: 105 Resp: 274
Ion Ratio Lower Upper
105 100
120 61.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 80.606 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

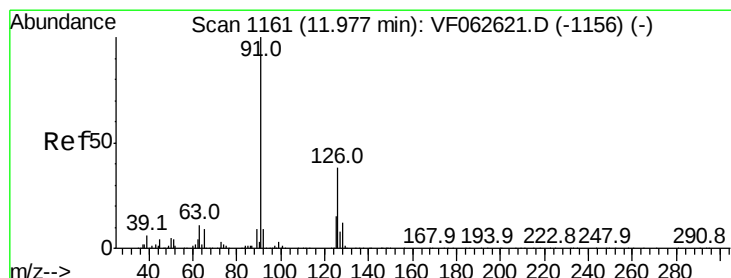
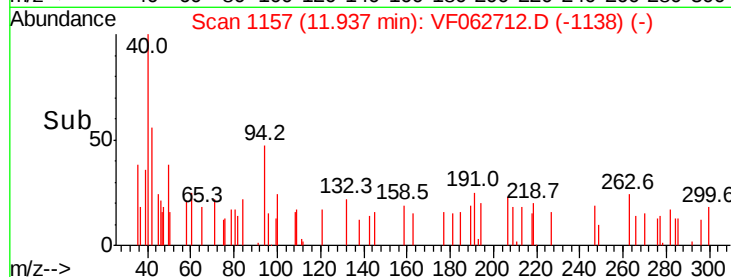
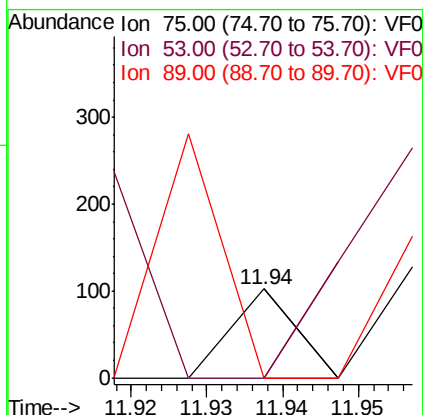
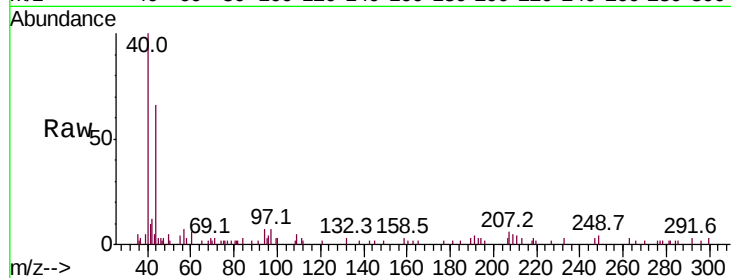
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 25.359 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.13 min

Lab File: VF062712.D

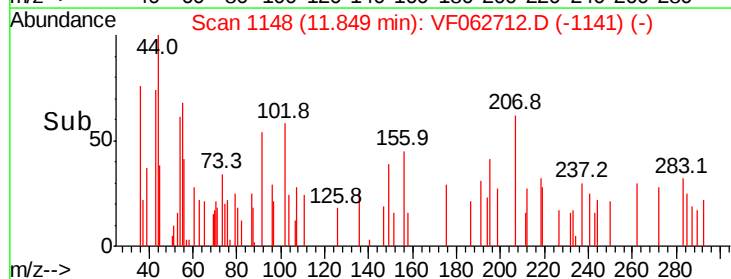
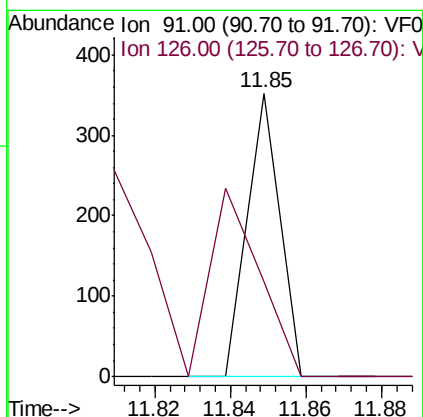
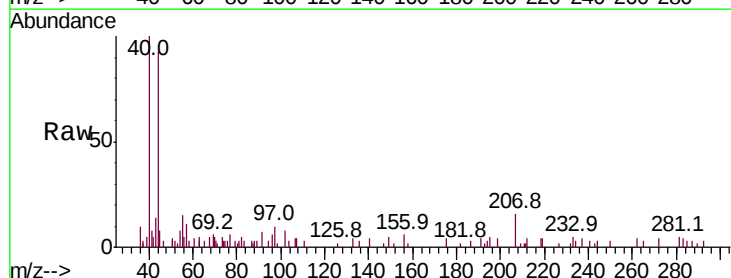
Acq: 22 May 2019 18:13

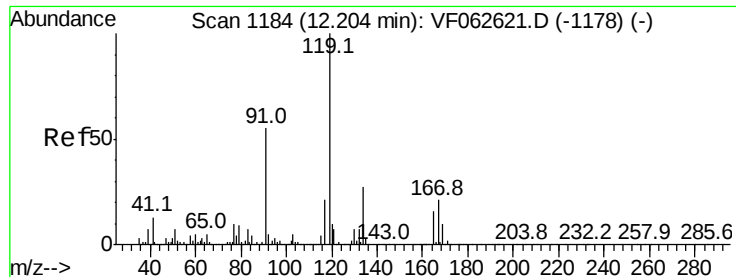
Tgt Ion: 91 Resp: 208

Ion Ratio Lower Upper

91 100

126 33.5 19.1 57.1





#83

tert-Butylbenzene

Concen: 11.335 ug/l

RT: 12.17 min Scan# 1181

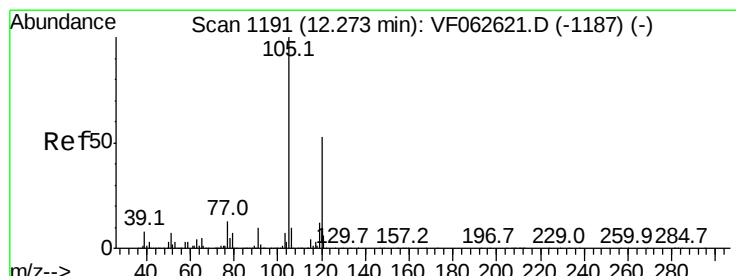
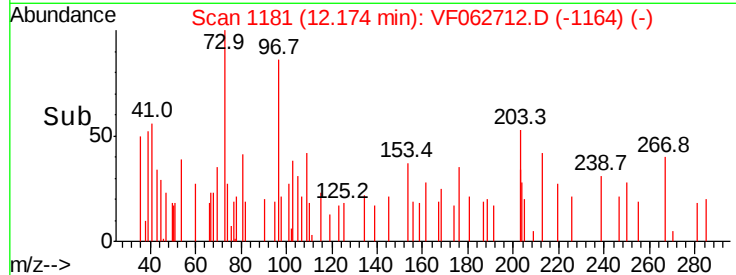
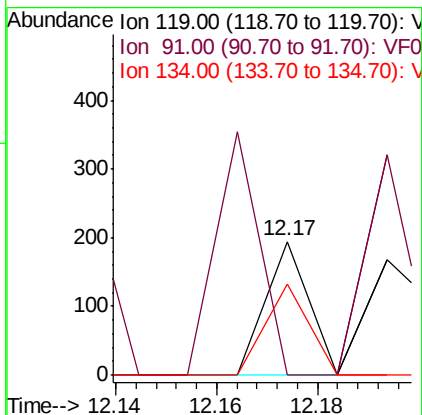
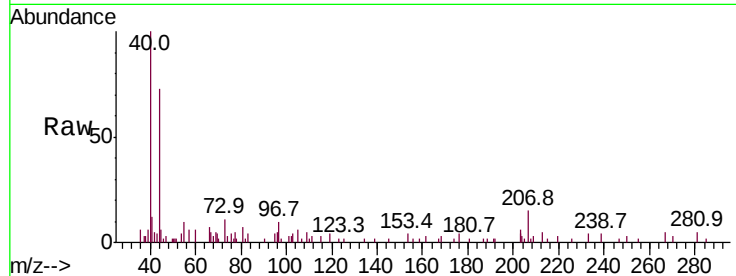
Delta R.T. -0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :
MSVOA_F
ClientSampleId :
21-C1-20190391RE

Tot Ion:	119	Resp:	115
Ion	Ratio	Lower	Upper
119	100		
91	0.0	27.3	81.9#
134	68.2	13.6	40.7#



#84

1,2,4-Trimethylbenzene

Concen: 17.462 ug/l

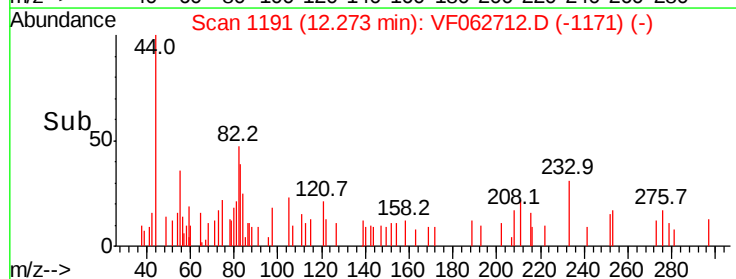
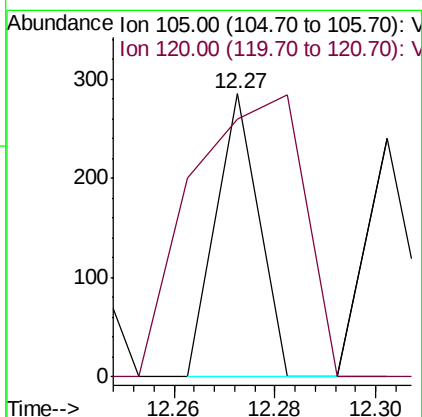
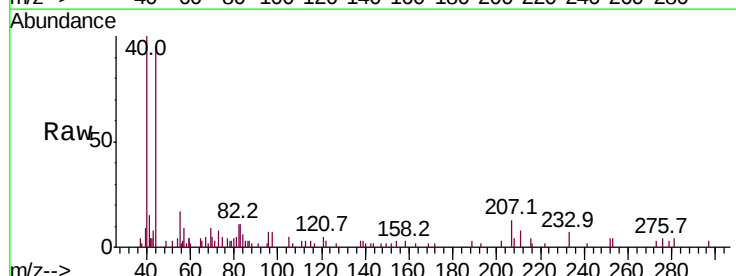
RT: 12.27 min Scan# 1191

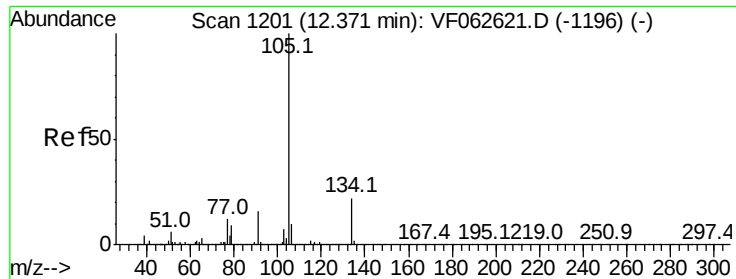
Delta R.T. -0.00 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Tgt Ion:	105	Resp:	169
Ion	Ratio	Lower	Upper
105	100		
120	91.2	26.7	80.1#

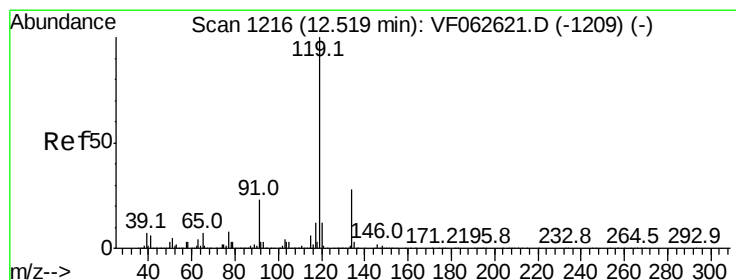
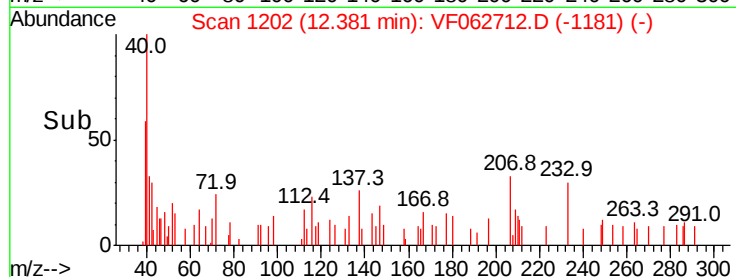
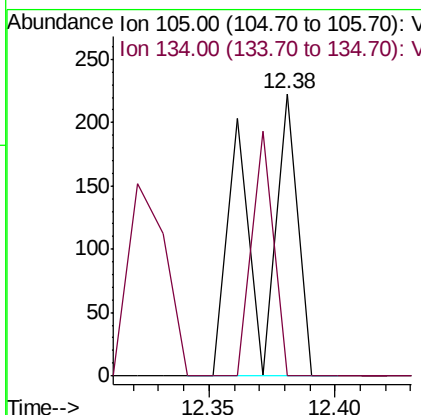
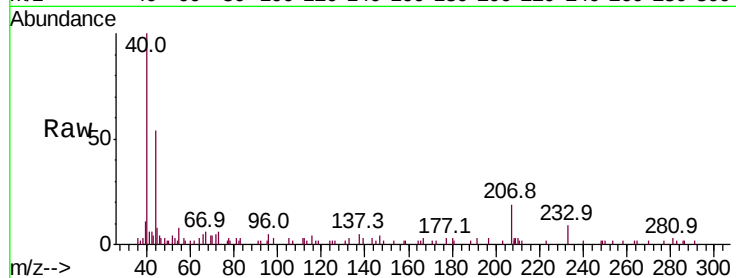




#85
 sec-Butylbenzene
 Concen: 18.509 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062712.D
 Acq: 22 May 2019 18:13

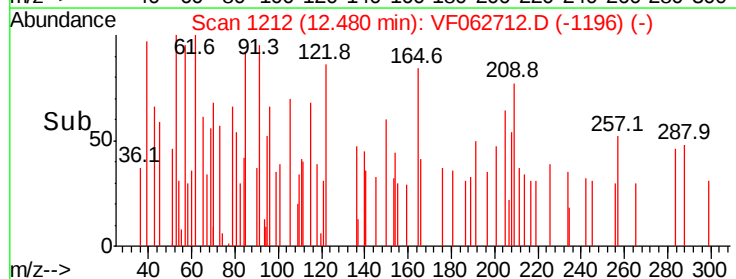
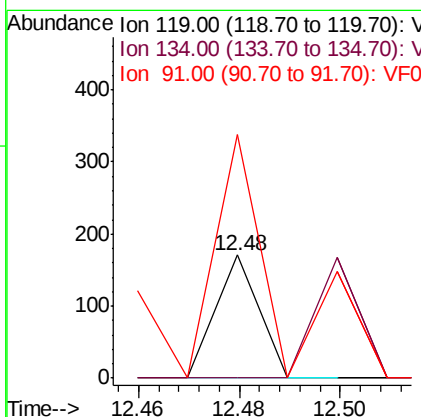
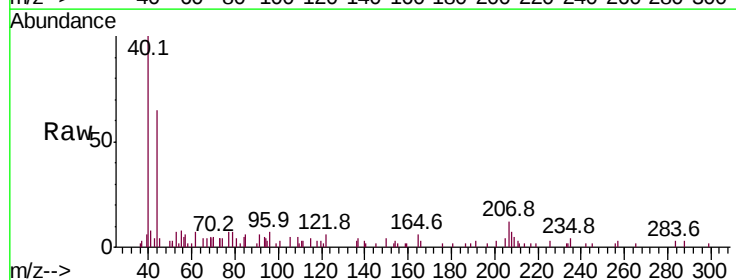
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C1-20190391RE

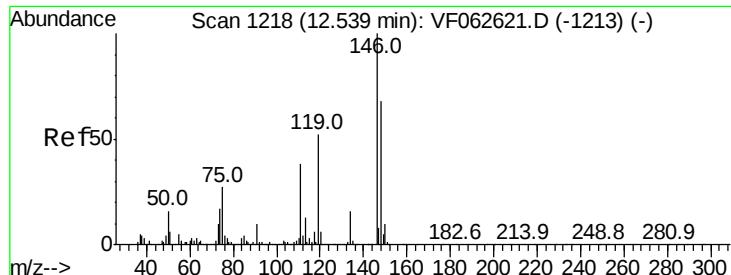
Tot Ion:105 Resp: 252
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 8.802 ug/l
 RT: 12.48 min Scan# 1212
 Delta R.T. -0.04 min
 Lab File: VF062712.D
 Acq: 22 May 2019 18:13

Tgt Ion:119 Resp: 101
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 197.7 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 11.590 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

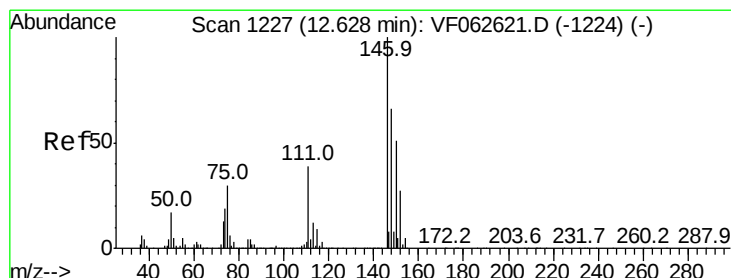
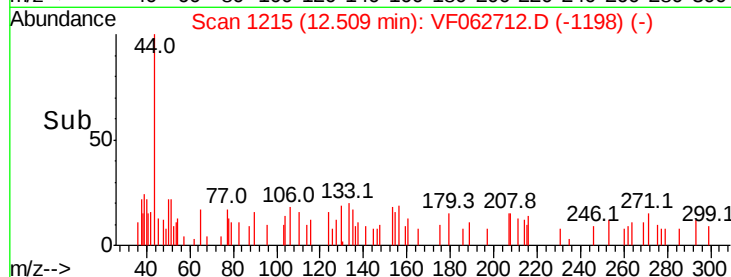
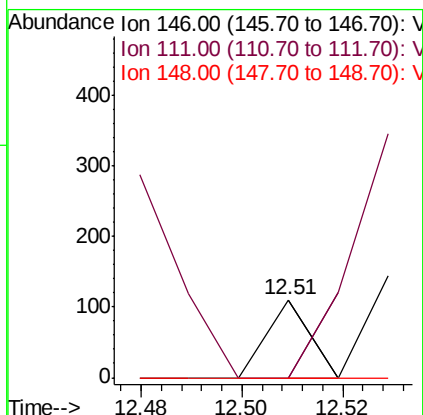
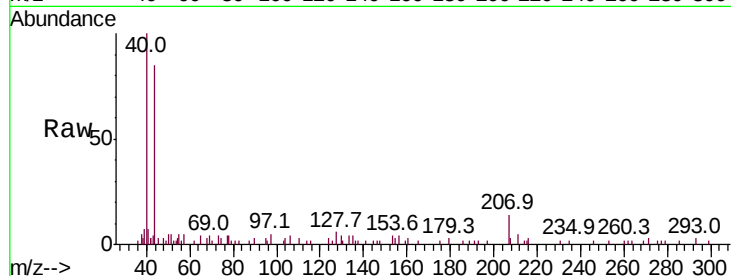
Tot Ion:146 Resp: 65

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: 33.061 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. 0.03 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

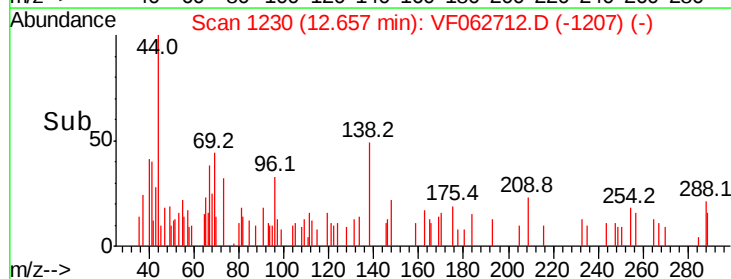
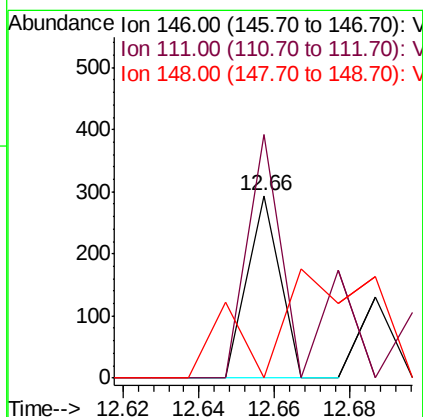
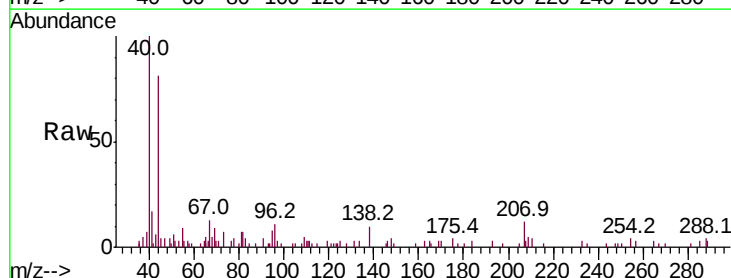
Tgt Ion:146 Resp: 174

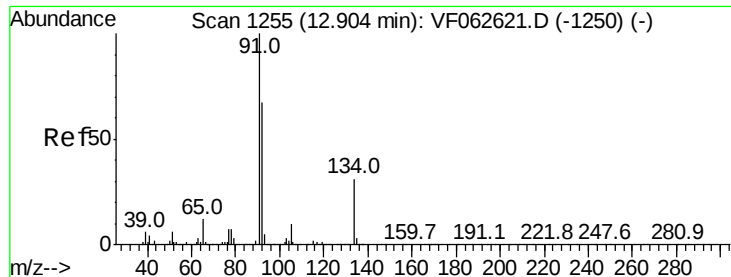
Ion Ratio Lower Upper

146 100

111 133.3 19.4 58.2#

148 0.0 33.2 99.6#





#89

n-Butylbenzene

Concen: 25.634 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

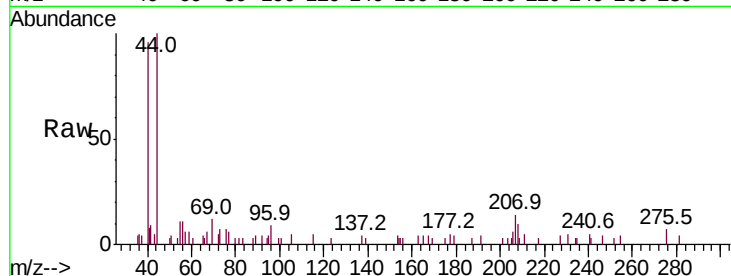
Tot Ion: 91 Resp: 290

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#

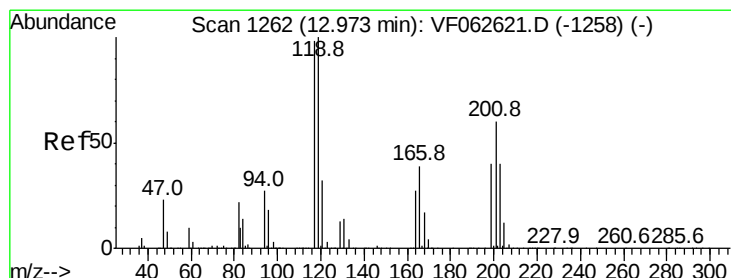
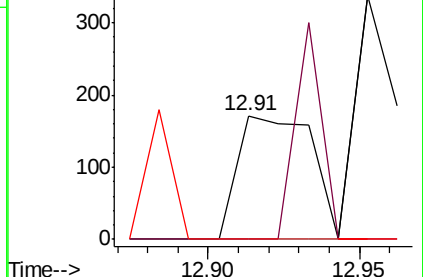
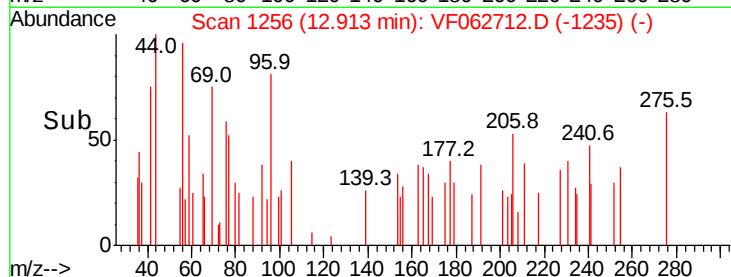


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

Time-->



#90

Hexachloroethane

Concen: 79.564 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062712.D

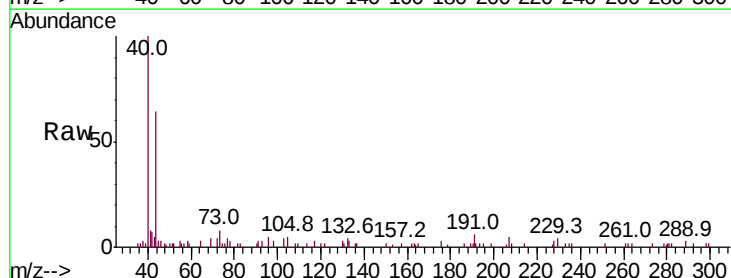
Acq: 22 May 2019 18:13

Tgt Ion: 117 Resp: 219

Ion Ratio Lower Upper

117 100

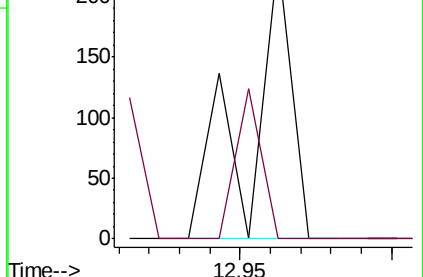
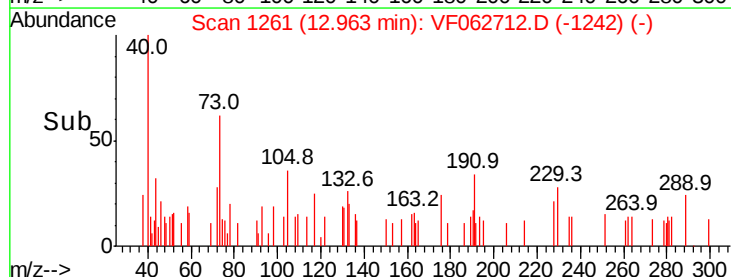
201 0.0 30.7 92.1#

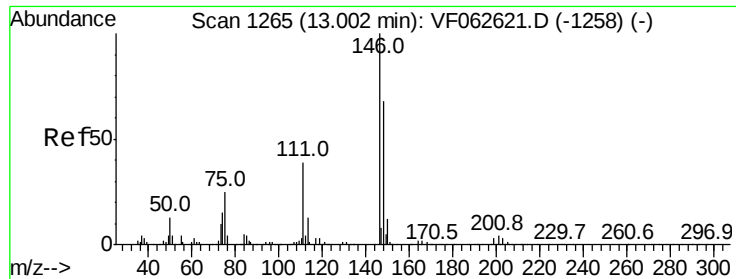


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

Time-->





#91

1,2-Dichlorobenzene

Concen: 17.203 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.02 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

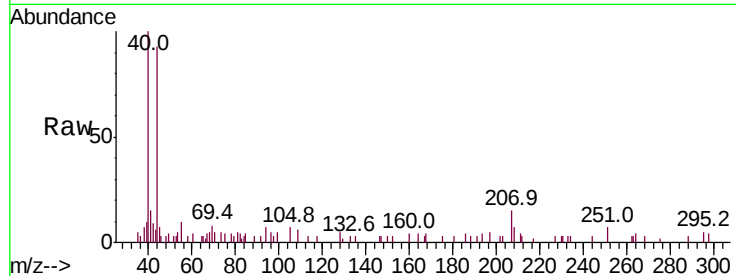
Tot Ion:146 Resp: 86

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

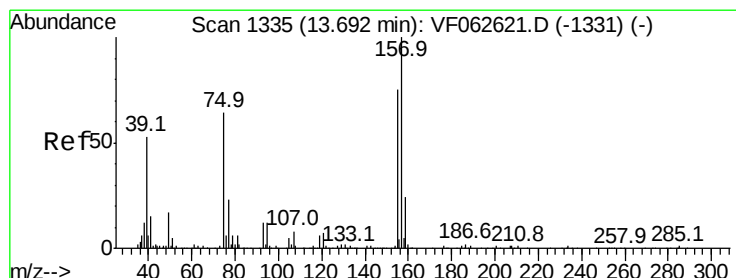
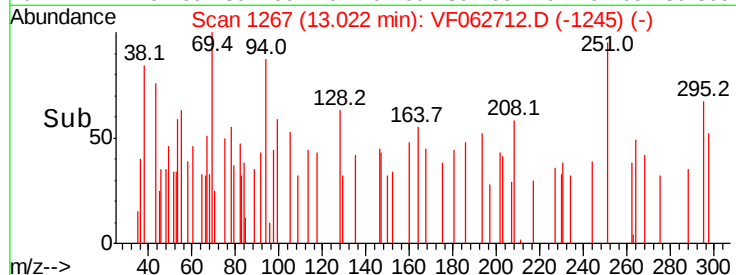
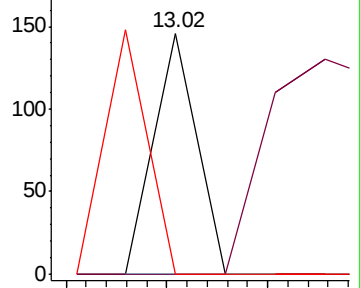
148 0.0 34.1 102.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 950.541 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

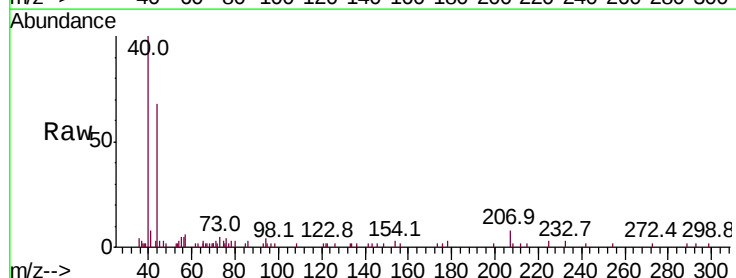
Tgt Ion: 75 Resp: 289

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

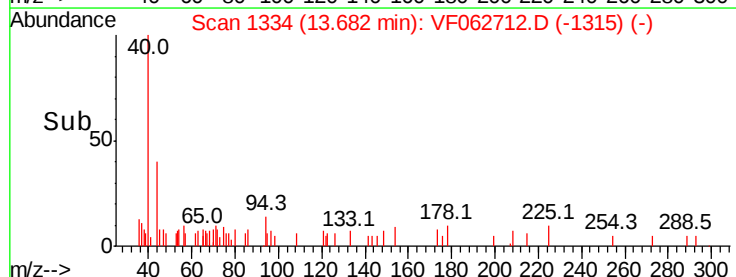
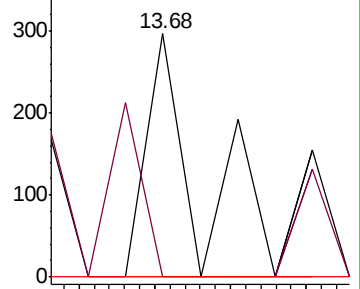
157 0.0 77.8 233.4#

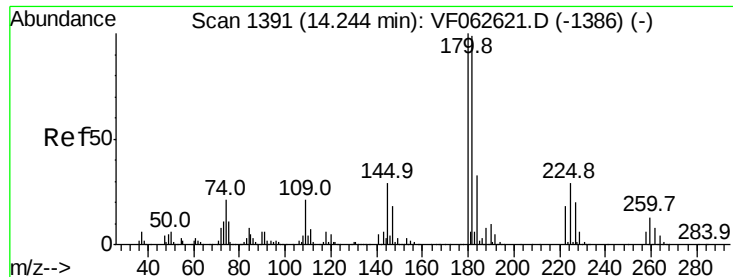


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

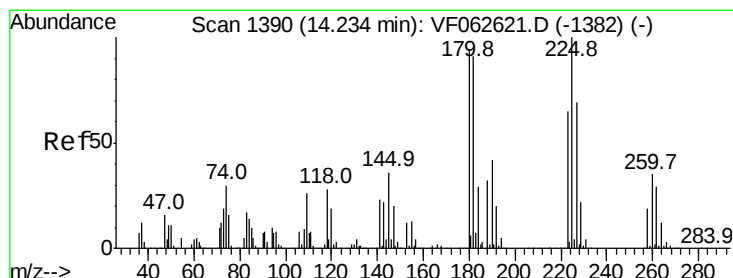
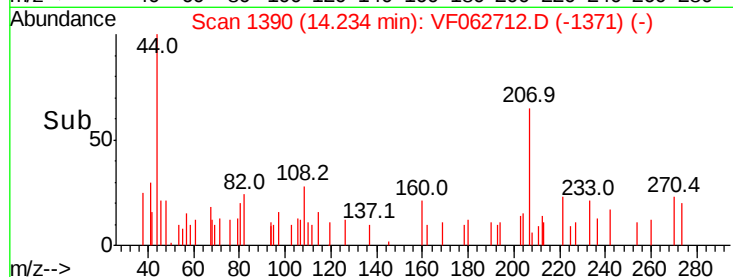
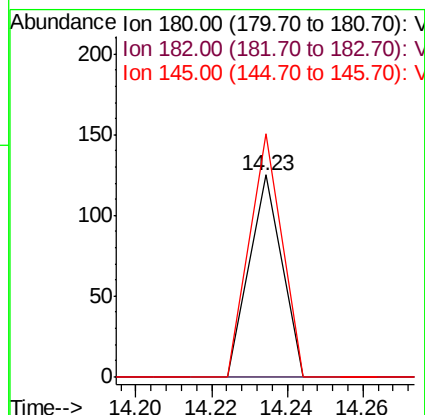
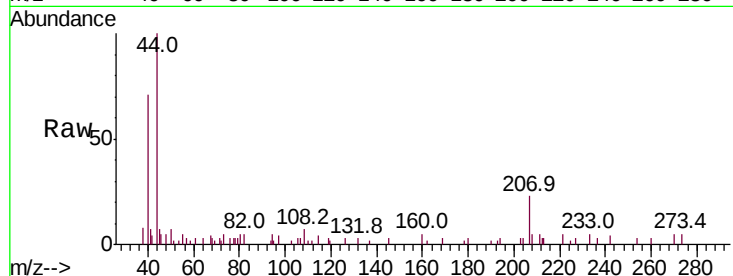




#93
 1,2,4-Trichlorobenzene
 Concen: 20.680 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062712.D
 Acq: 22 May 2019 18:13

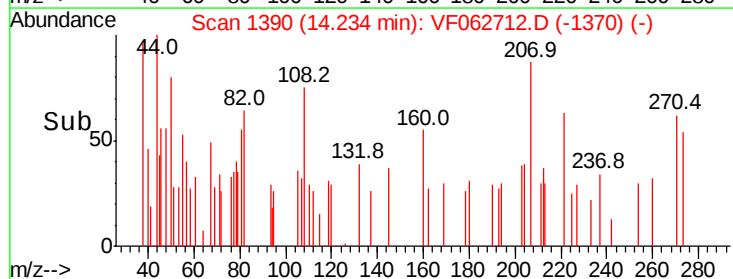
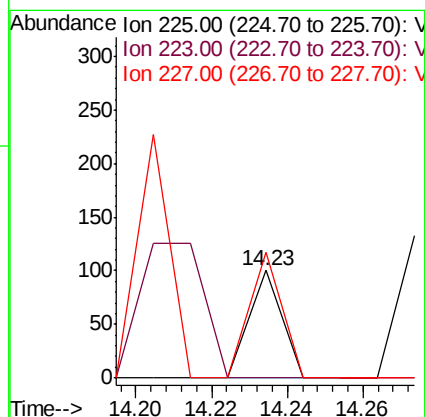
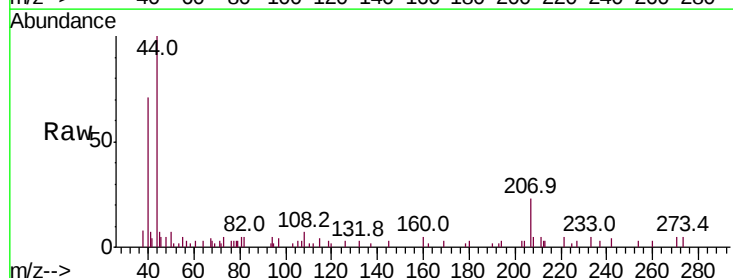
Instrument :
 MSVOA_F
 ClientSampleId :
 21-C1-20190391RE

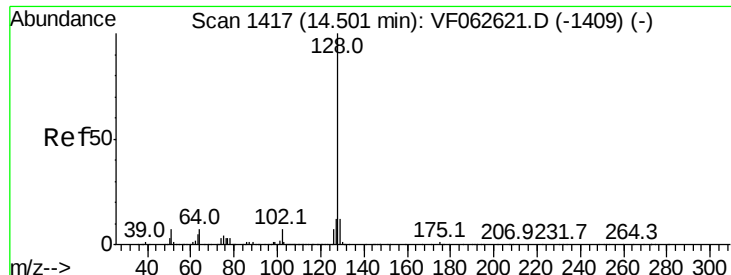
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	120.8	14.6	44.0#



#94
 Hexachlorobutadiene
 Concen: 23.626 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062712.D
 Acq: 22 May 2019 18:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.5	97.4#
227	117.0	34.5	103.5#





#95

Naphthalene

Concen: 11.075 ug/l

RT: 14.55 min Scan# 1422

Delta R.T. 0.05 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

Instrument :

MSVOA_F

ClientSampleId :

21-C1-20190391RE

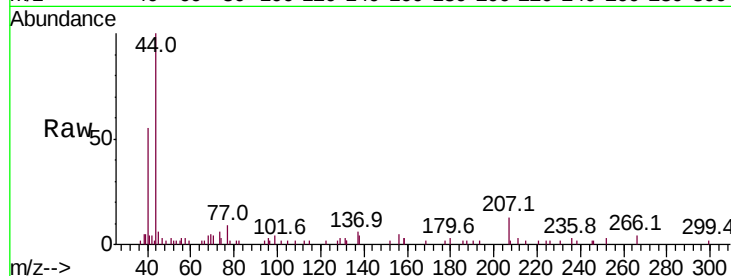
Tot Ion:128 Resp: 72

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

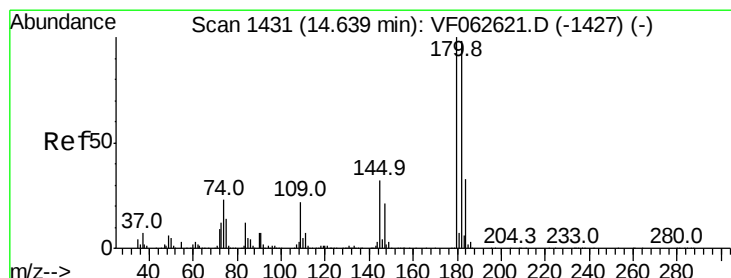
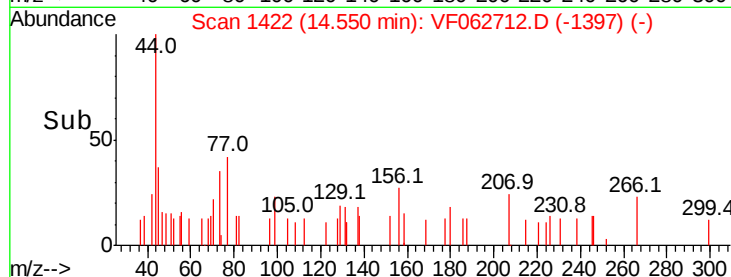
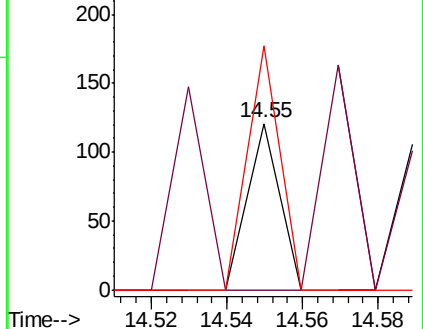
129 146.3 9.3 13.9#



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: 20.652 ug/l

RT: 14.58 min Scan# 1425

Delta R.T. -0.06 min

Lab File: VF062712.D

Acq: 22 May 2019 18:13

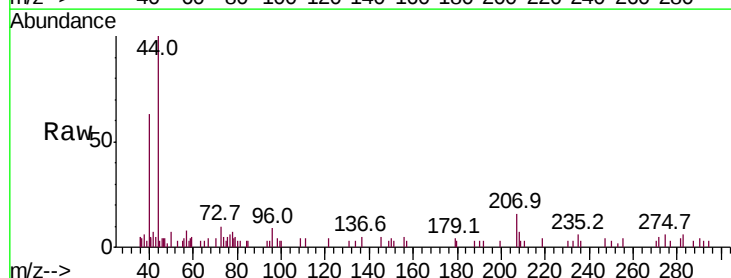
Tgt Ion:180 Resp: 70

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 168.1 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

