

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062708.D
 Acq On : 22 May 2019 16:22
 Operator : FY/SY
 Sample : K2642-05RE
 Misc : 6.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

Quant Time: May 23 01:23:01 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	5.10	168	896	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.86	114	60	50.00	ug/l	0.07
63) Chlorobenzene-d5	10.03	117	83	50.00	ug/l	0.11
72) 1,4-Dichlorobenzene-d4	12.72	152	145	50.00	ug/l	0.10

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	529	83.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.10%	
35) Dibromofluoromethane	4.38	113	60	130.68	ug/l	0.06
Spiked Amount	50.000		Recovery	=	261.36%	
50) Toluene-d8	7.85	98	399	363.98	ug/l	0.13
Spiked Amount	50.000		Recovery	=	727.96%	
62) 4-Bromofluorobenzene	11.64	95	354	851.46	ug/l	0.14
Spiked Amount	50.000		Recovery	=	1702.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	341	27.966	ug/l	73
3) Chloromethane	1.22	50	977	87.020	ug/l	99
4) Vinyl Chloride	1.11	62	314	30.383	ug/l	91
5) Bromomethane	1.35	94	176	31.130	ug/l	100
6) Chloroethane	1.46	64	277	72.980	ug/l	99
7) Trichlorofluoromethane	1.58	101	408	29.402	ug/l #	74
8) Diethyl Ether	1.83	74	323	117.496	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.94	101	393	44.478	ug/l #	55
10) Methyl Iodide	1.98	142	119	6.856	ug/l #	37
11) Tert butyl alcohol	2.73	59	77	184.203	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	810	100.634	ug/l #	1
13) Acrolein	2.16	56	626	1434.631	ug/l	87
14) Allyl chloride	2.19	41	430	59.027	ug/l #	34
15) Acrylonitrile	3.13	53	416	352.796	ug/l #	28
16) Acetone	2.34	43	580	353.096	ug/l	98
17) Carbon Disulfide	1.91	76	442	18.527	ug/l #	1
18) Methyl Acetate	2.49	43	838	324.647	ug/l #	52
19) Methyl tert-butyl Ether	2.64	73	549	38.155	ug/l	99
20) Methylene Chloride	2.35	84	414	50.282	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	928	117.957	ug/l #	6
22) Diisopropyl ether	2.97	45	622	34.619	ug/l #	1
23) Vinyl Acetate	3.39	43	726	59.900	ug/l #	74
24) 1,1-Dichloroethane	3.03	63	141	10.697	ug/l #	1
25) 2-Butanone	4.56	43	319	90.898	ug/l	93
26) 2,2-Dichloropropane	3.79	77	451	59.802	ug/l	90
27) cis-1,2-Dichloroethene	3.71	96	767	59.269	ug/l	29
28) Bromochloromethane	3.96	49	489	66.150	ug/l #	3
29) Tetrahydrofuran	4.05	42	357	251.382	ug/l	91
30) Chloroform	4.17	83	194	10.601	ug/l	96
31) Cyclohexane	3.95	56	643	36.332	ug/l #	24
32) 1,1,1-Trichloroethane	4.32	97	352	28.963	ug/l #	37
36) 1,1-Dichloropropene	4.49	75	255	414.759	ug/l #	67
37) Ethyl Acetate	4.34	43	843	3358.167	ug/l #	40
38) Carbon Tetrachloride	4.23	117	85	183.828	ug/l #	1

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Quant Time: May 23 01:23:01 2019
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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	5.69	83	354	478.523	ug/l #	69
40) Benzene	4.86	78	419	250.161	ug/l #	45
41) Methacrylonitrile	5.02	41	1500	11397.485	ug/l #	56
42) 1,2-Dichloroethane	5.22	62	302	904.174	ug/l	71
43) Isopropyl Acetate	7.22	43	1284	3948.113	ug/l #	42
44) Trichloroethene	5.73	130	71	150.825	ug/l	93
45) 1,2-Dichloropropane	6.61	63	661	1563.350	ug/l	93
46) Dibromomethane	6.36	93	340	1391.428	ug/l #	51
47) Bromodichloromethane	6.63	83	289	569.707	ug/l #	25
48) Methyl methacrylate	6.98	41	994	5847.535	ug/l #	17
49) 1,4-Dioxane	6.97	88	70	32151.816	ug/l #	1
51) 4-Methyl-2-Pentanone	8.52	43	946	4255.522	ug/l #	77
52) Toluene	7.90	92	244	277.776	ug/l #	43
53) t-1,3-Dichloropropene	8.41	75	1117	2691.464	ug/l	96
54) cis-1,3-Dichloropropene	7.58	75	418	719.511	ug/l #	1
55) 1,1,2-Trichloroethane	8.74	97	99	380.646	ug/l #	15
56) Ethyl methacrylate	8.85	69	672	2168.738	ug/l #	62
57) 1,3-Dichloropropane	9.13	76	347	783.294	ug/l #	33
58) 2-Chloroethyl Vinyl ether	7.53	63	93	922.081	ug/l #	51
59) 2-Hexanone	9.80	43	491	3636.305	ug/l	90
60) Dibromochloromethane	9.12	129	69	203.556	ug/l	77
61) 1,2-Dibromoethane	9.26	107	195	705.886	ug/l #	3
64) Tetrachloroethene	8.31	164	141	214.433	ug/l #	1
65) Chlorobenzene	9.81	112	208	127.592	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.01	131	107	163.499	ug/l	84
67) Ethyl Benzene	10.05	91	70	24.717	ug/l #	42
68) m/p-Xylenes	10.11	106	91	85.495	ug/l	75
69) o-Xylene	10.85	106	66	60.201	ug/l #	1
70) Styrene	10.87	104	69	41.408	ug/l #	1
71) Bromoform	10.90	173	69	210.515	ug/l #	27
73) Isopropylbenzene	11.19	105	244	23.479	ug/l	87
74) N-amyl acetate	11.46	43	253	101.208	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.79	83	322	151.613	ug/l #	9
76) 1,2,3-Trichloropropane	11.72	75	250	179.149	ug/l	95
77) Bromobenzene	11.59	156	195	75.487	ug/l #	1
78) n-propylbenzene	11.80	91	678	55.126	ug/l	92
79) 2-Chlorotoluene	11.80	91	678	97.817	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	67	8.040	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.95	75	138	222.472	ug/l #	1
82) 4-Chlorotoluene	12.01	91	406	59.398	ug/l	96
83) tert-Butylbenzene	12.16	119	550	65.055	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.21	105	103	12.771	ug/l #	25
85) sec-Butylbenzene	12.40	105	229	20.184	ug/l #	54
86) p-Isopropyltoluene	12.55	119	67	7.007	ug/l #	1
87) 1,3-Dichlorobenzene	12.56	146	190	40.654	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	82	18.697	ug/l #	24
89) n-Butylbenzene	12.90	91	74	7.849	ug/l #	1
90) Hexachloroethane	13.11	117	194	84.578	ug/l	83
91) 1,2-Dichlorobenzene	13.07	146	76	18.243	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	114	449.945	ug/l #	17

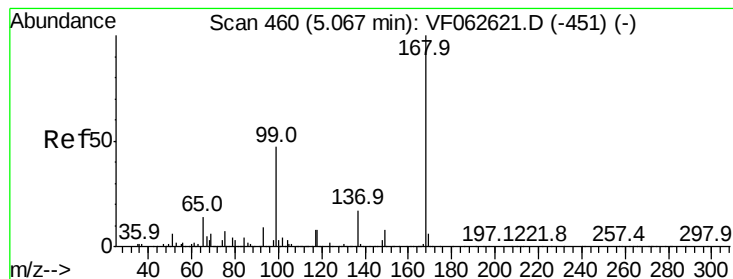
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	300	100.603	ug/l #	11
94) Hexachlorobutadiene	14.20	225	164	78.806	ug/l #	16
95) Naphthalene	14.49	128	130	23.997	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.61	180	105	37.173	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.10 min Scan# 463

Delta R.T. 0.03 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

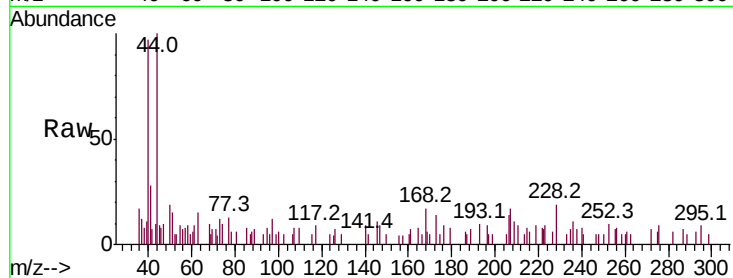
OK-01-052119RE

Tot Ion:168 Resp: 896

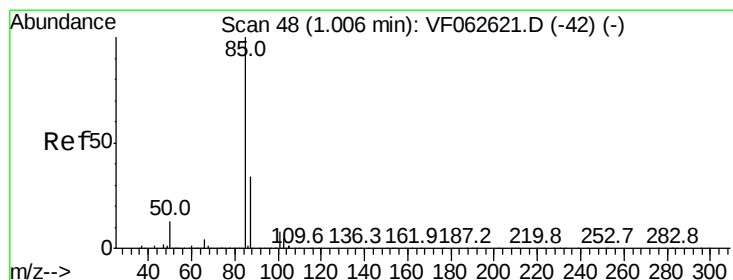
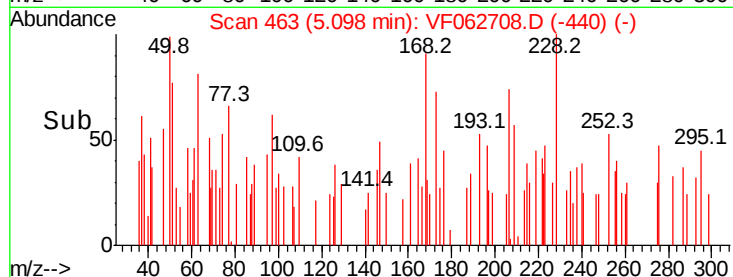
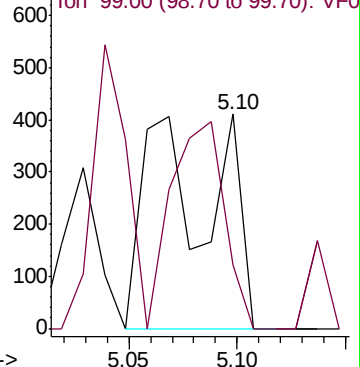
Ion Ratio Lower Upper

168 100

99 29.4 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 27.966 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062708.D

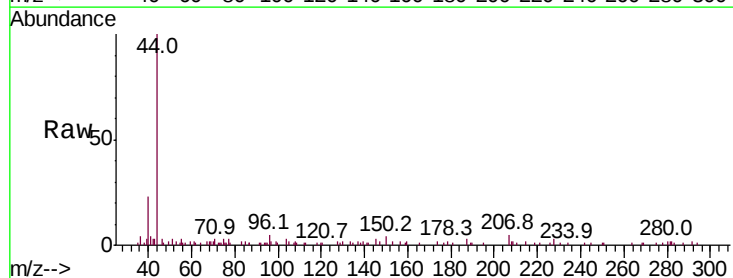
Acq: 22 May 2019 16:22

Tgt Ion: 85 Resp: 341

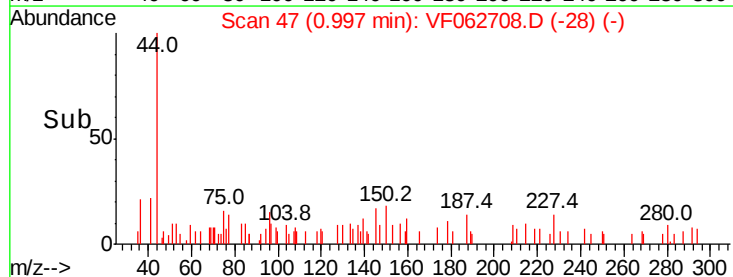
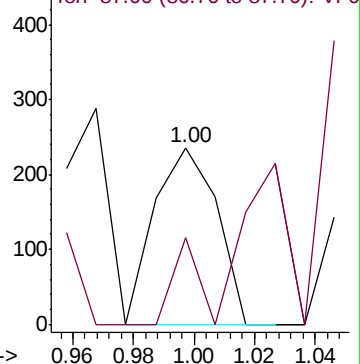
Ion Ratio Lower Upper

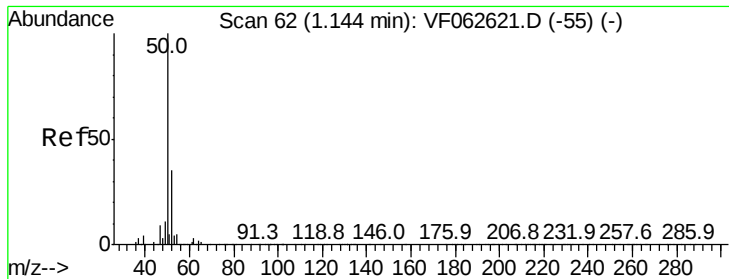
85 100

87 48.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 87.020 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.08 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

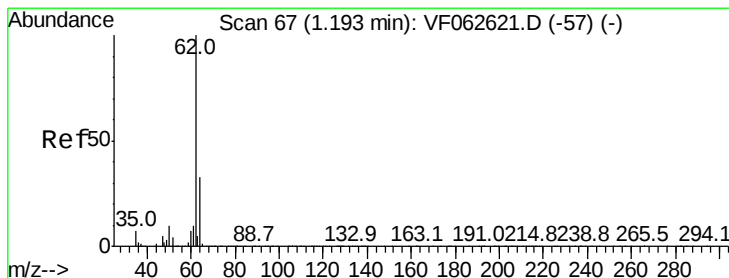
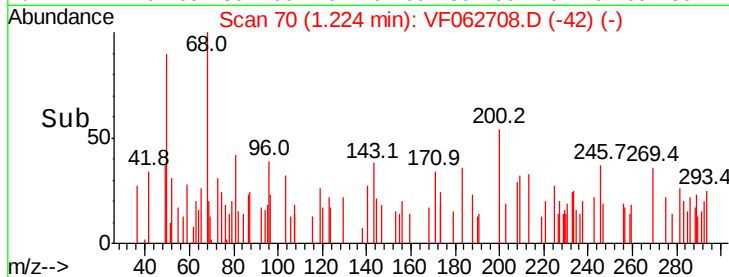
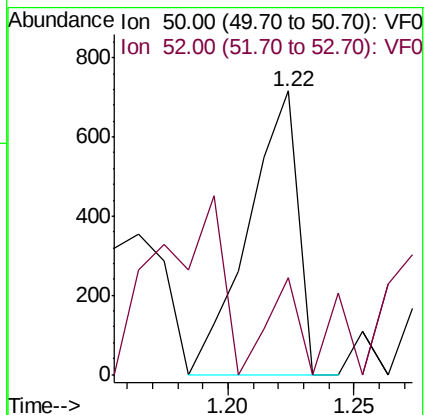
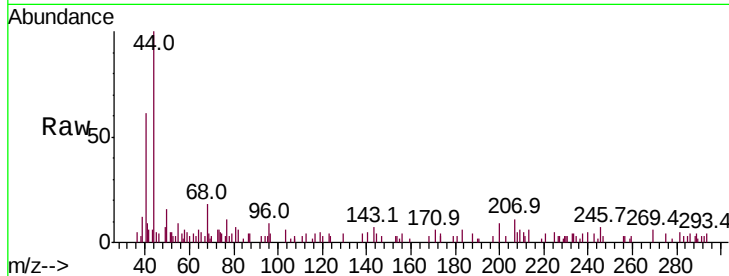
OK-01-052119RE

Tot Ion: 50 Resp: 977

Ion Ratio Lower Upper

50 100

52 34.1 27.5 41.3



#4

Vinyl Chloride

Concen: 30.383 ug/l

RT: 1.11 min Scan# 58

Delta R.T. -0.09 min

Lab File: VF062708.D

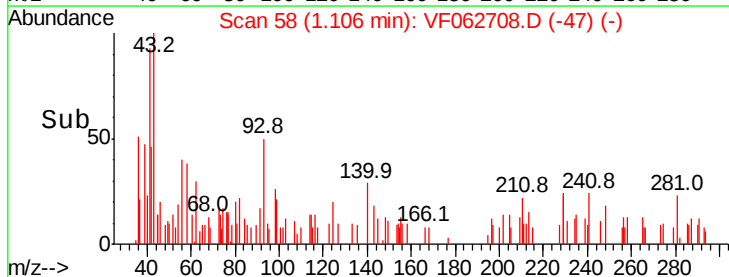
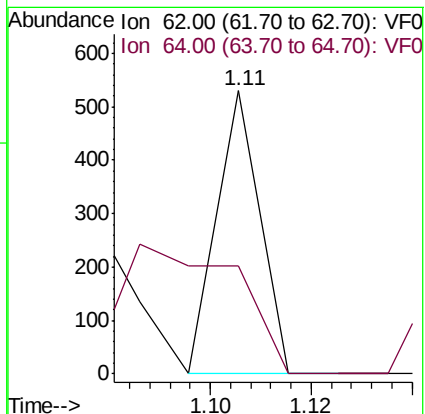
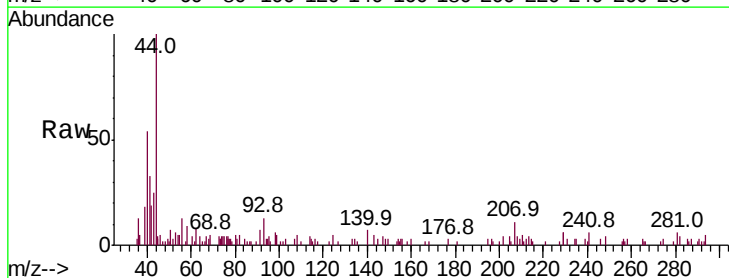
Acq: 22 May 2019 16:22

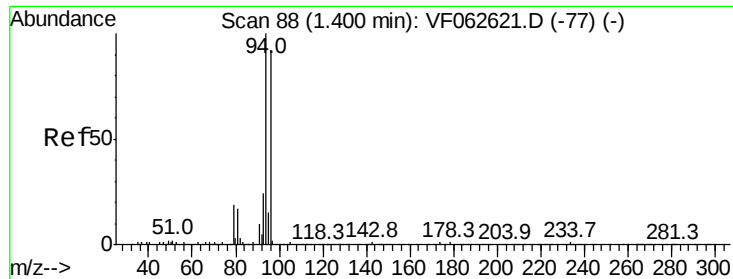
Tgt Ion: 62 Resp: 314

Ion Ratio Lower Upper

62 100

64 38.3 26.7 40.1





#5

Bromomethane

Concen: 31.130 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.05 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

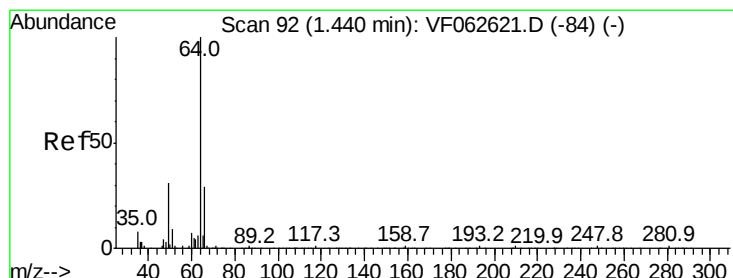
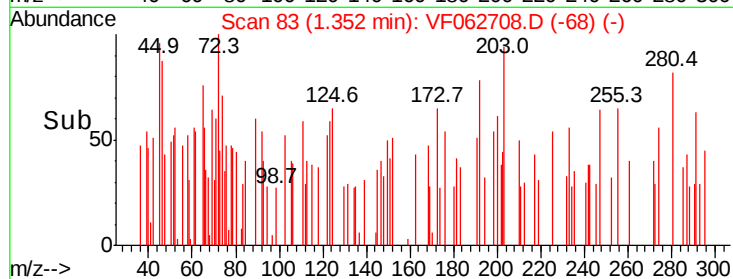
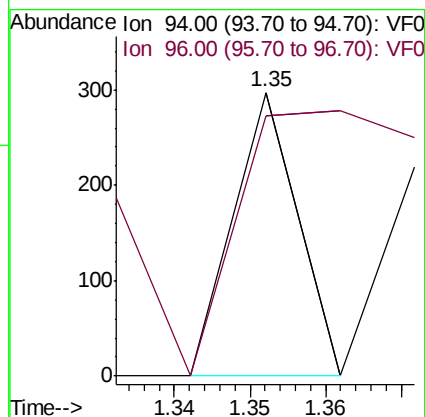
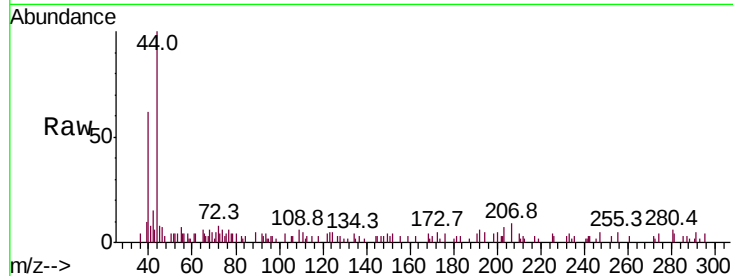
OK-01-052119RE

Tot Ion: 94 Resp: 176

Ion Ratio Lower Upper

94 100

96 91.9 73.2 109.8



#6

Chloroethane

Concen: 72.980 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062708.D

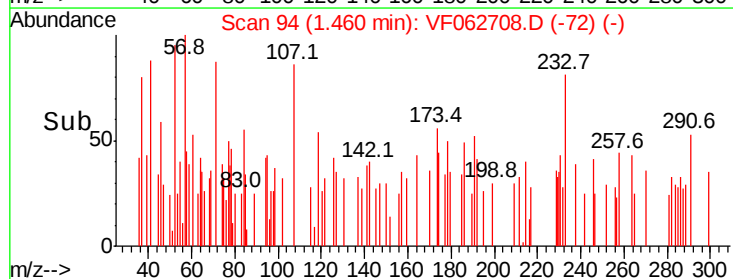
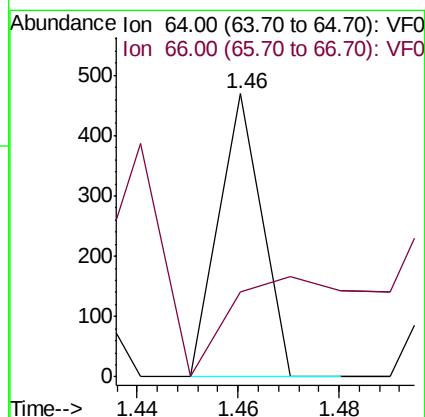
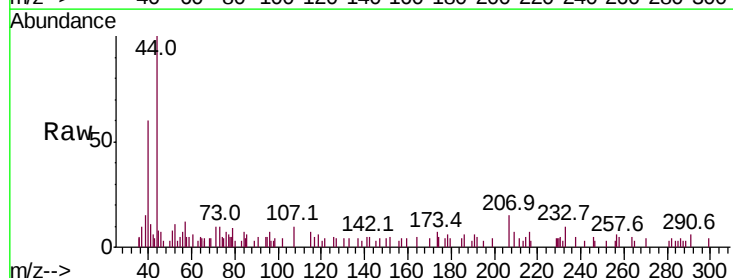
Acq: 22 May 2019 16:22

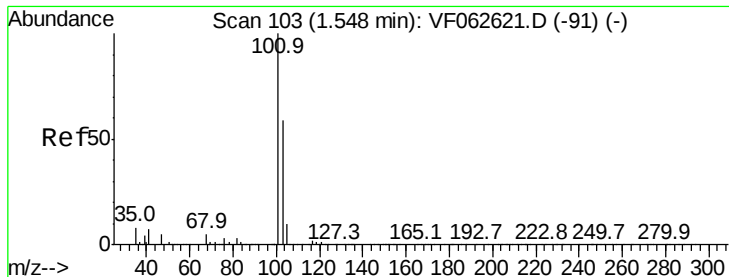
Tgt Ion: 64 Resp: 277

Ion Ratio Lower Upper

64 100

66 29.9 23.4 35.2



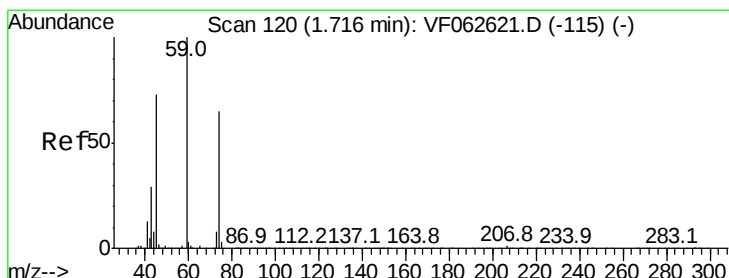
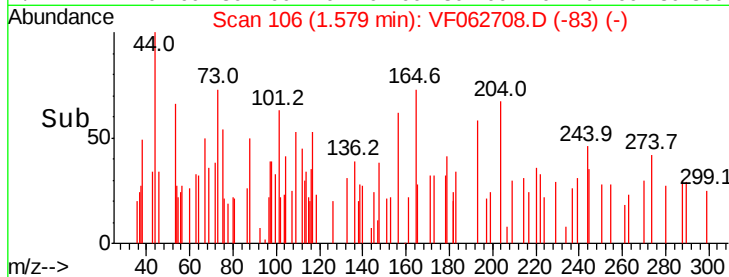
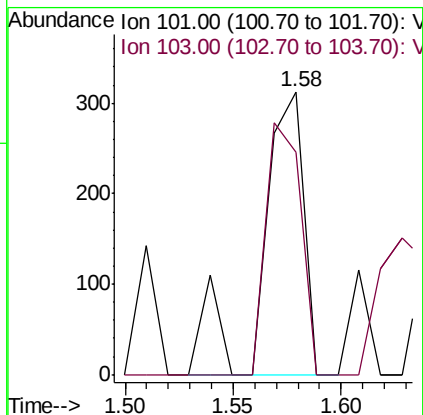
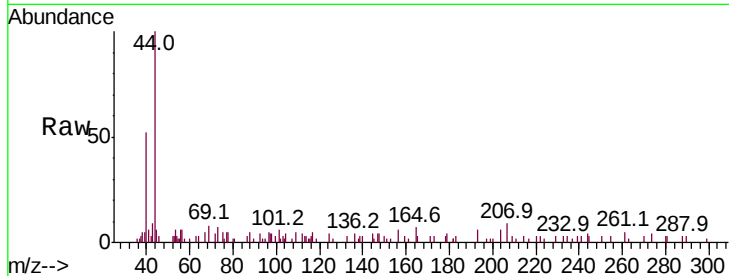


#7

Trichlorofluoromethane
Concen: 29.402 ug/l
RT: 1.58 min Scan# 106
Delta R.T. 0.03 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Instrument :
MSVOA_F
ClientSampleId :
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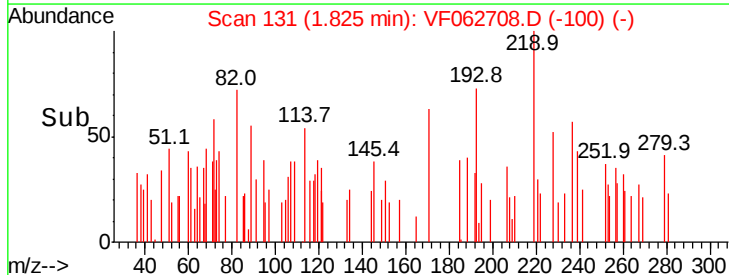
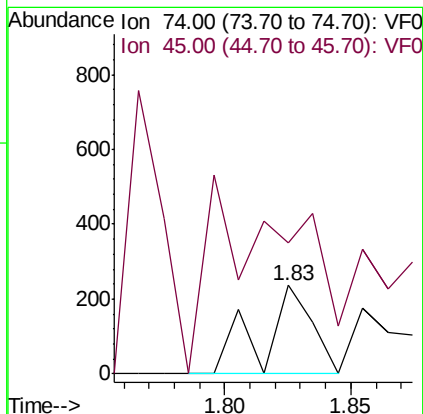
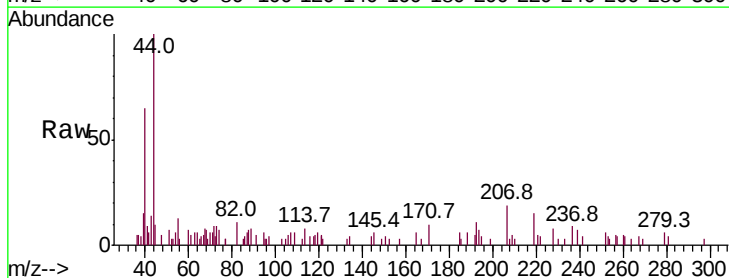
Tot Ion:101 Resp: 408
Ion Ratio Lower Upper
101 100
103 78.6 47.3 70.9#

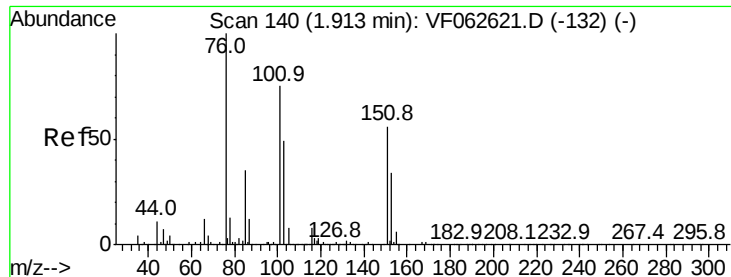


#8

Diethyl Ether
Concen: 117.496 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.11 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 74 Resp: 323
Ion Ratio Lower Upper
74 100
45 148.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.478 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.03 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

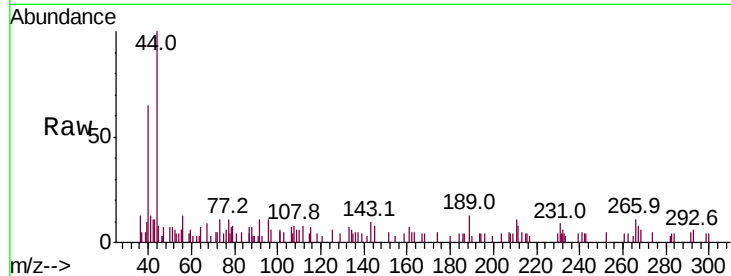
Tot Ion:101 Resp: 393

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

151 49.0 58.8 88.2#

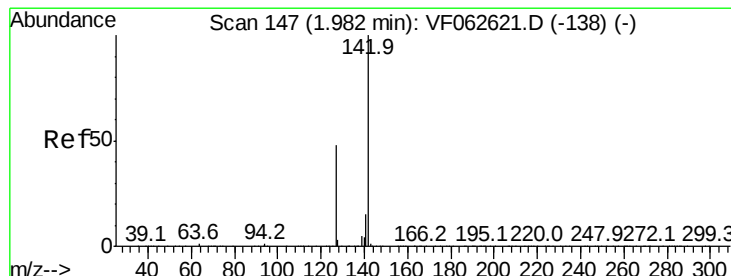
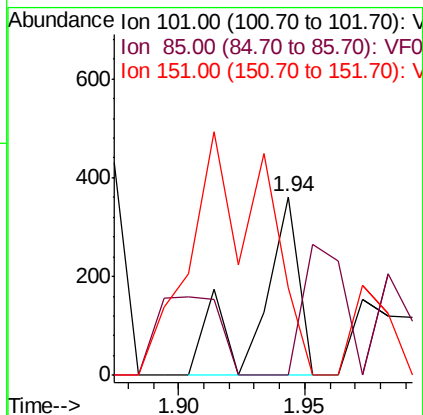
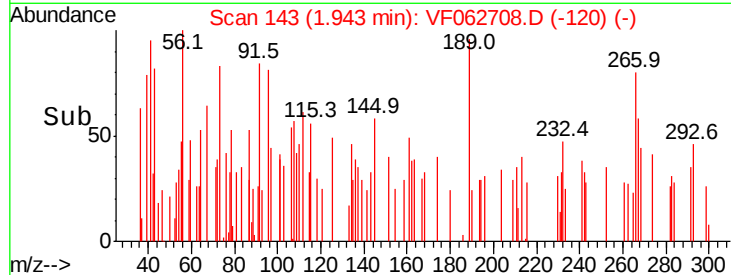


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

Time-->



#10

Methyl Iodide

Concen: 6.856 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

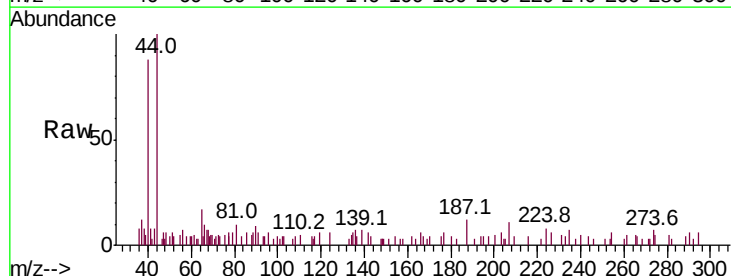
Tgt Ion:142 Resp: 119

Ion Ratio Lower Upper

142 100

127 0.0 38.1 57.1#

141 0.0 11.7 17.5#

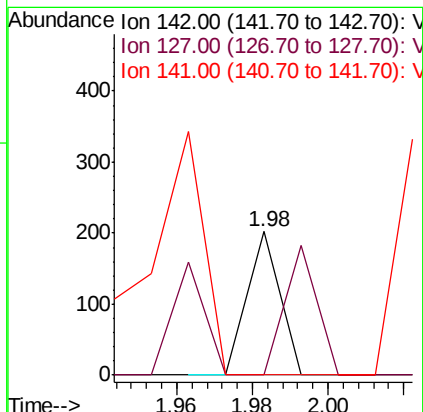
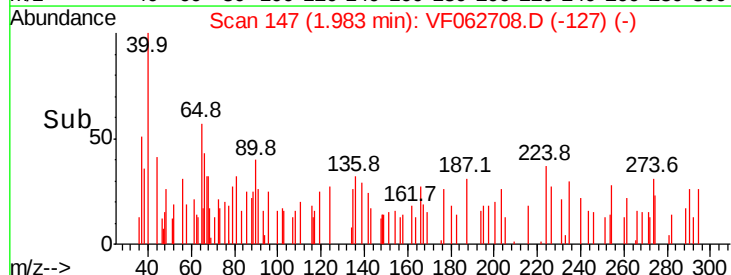


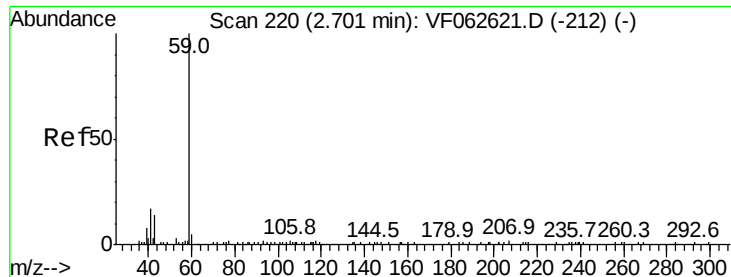
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

Time-->

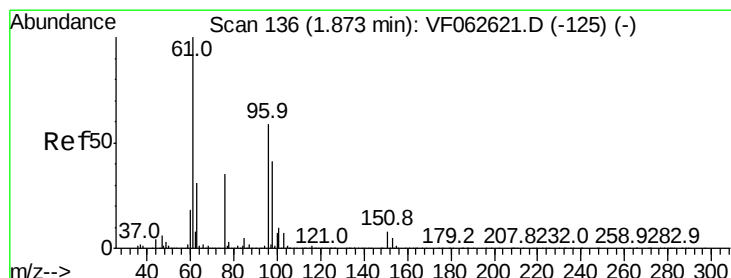
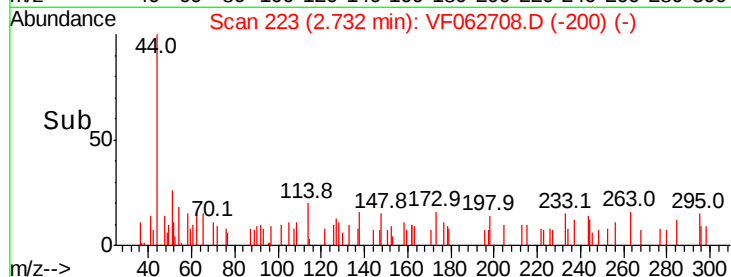
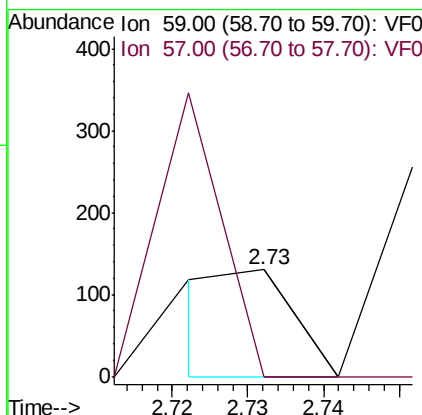
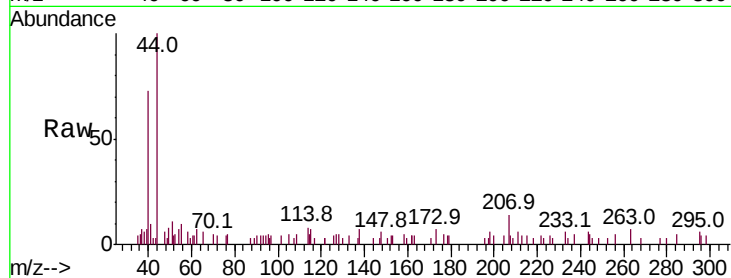




#11
Tert butyl alcohol
Concen: 184.203 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.03 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

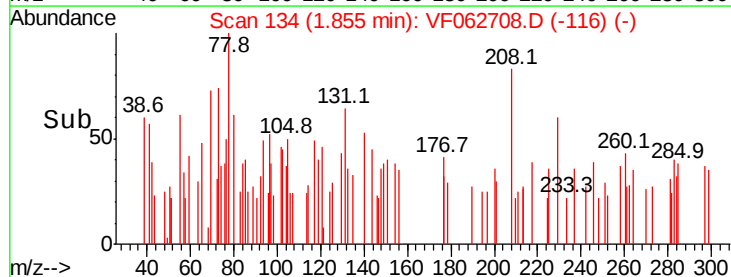
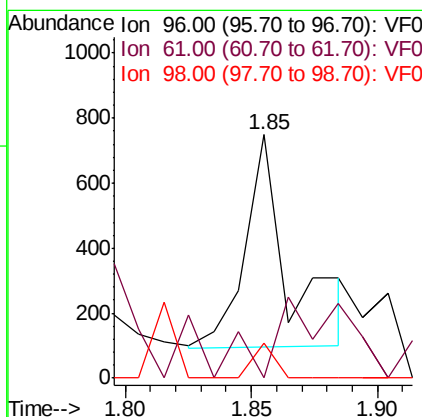
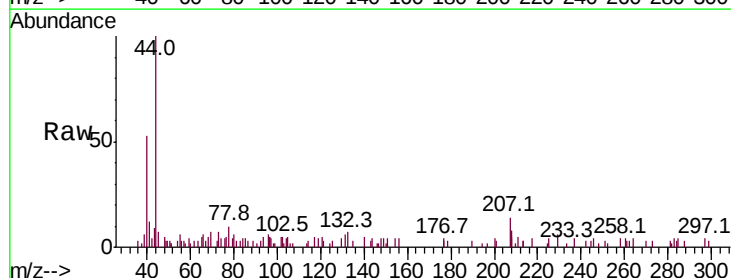
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

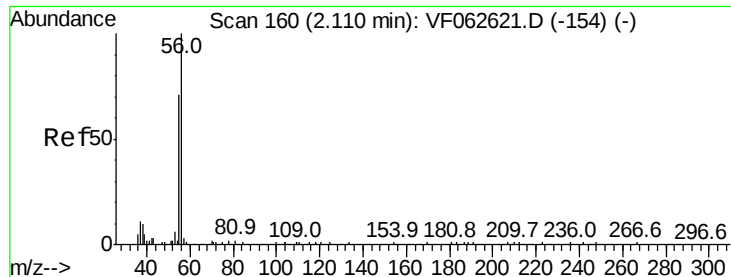
Tot Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 100.634 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.02 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 96 Resp: 810
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 14.3 55.0 82.6#





#13

Acrolein

Concen: 1434.631 ug/l

RT: 2.16 min Scan# 165

Delta R.T. 0.05 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

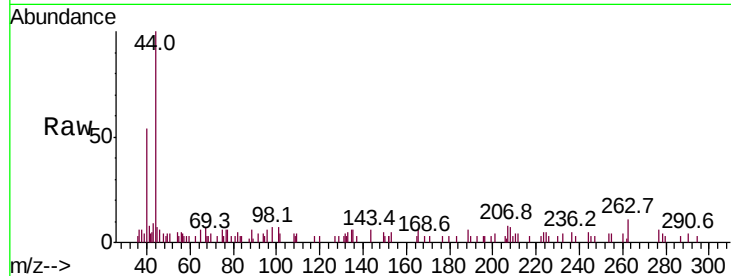
OK-01-052119RE

Tot Ion: 56 Resp: 626

Ion Ratio Lower Upper

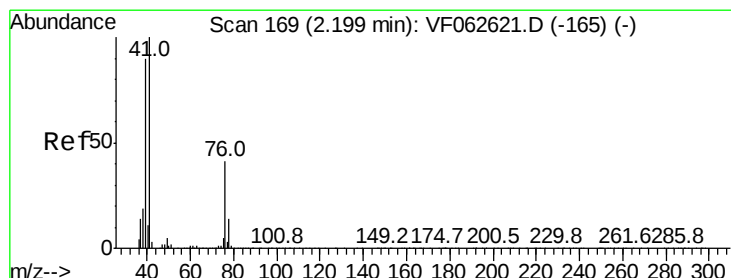
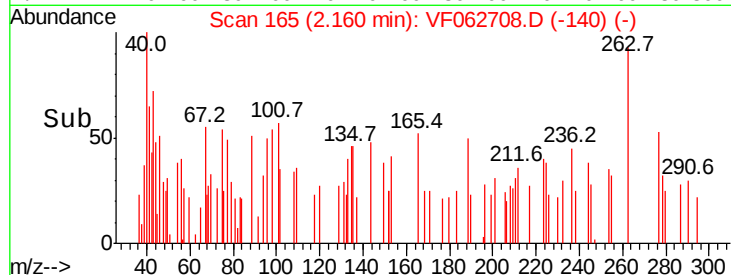
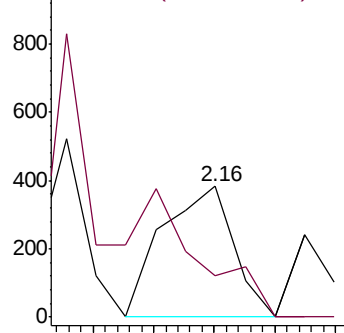
56 100

55 85.4 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 59.027 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

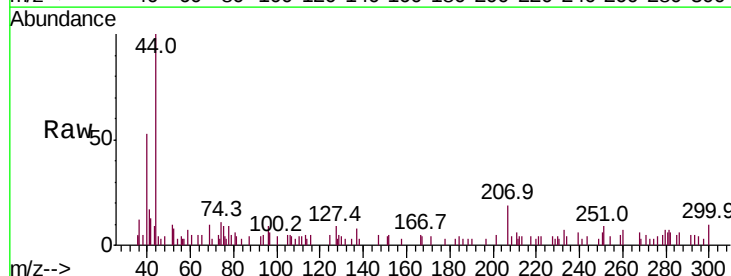
Tgt Ion: 41 Resp: 430

Ion Ratio Lower Upper

41 100

39 0.0 72.0 108.0#

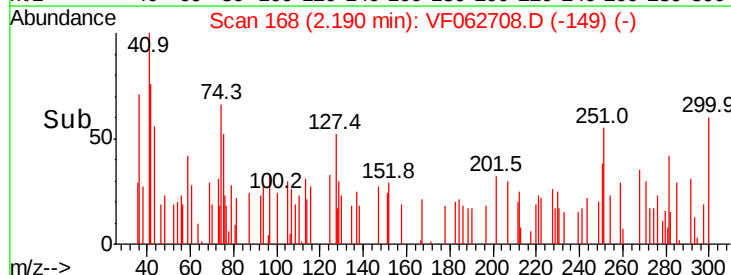
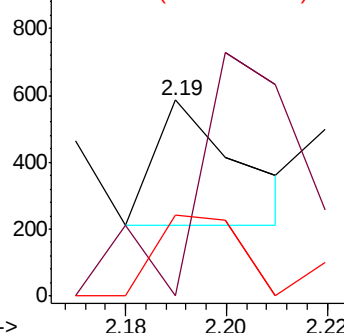
76 41.3 34.8 52.2

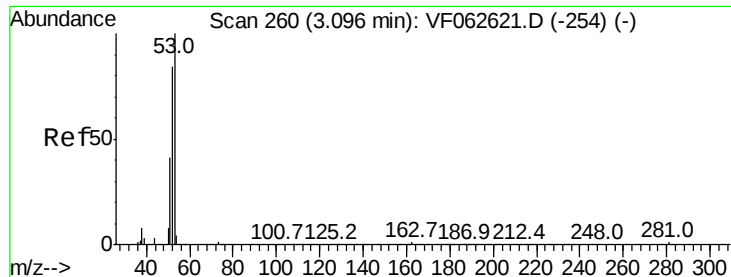


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 352.796 ug/l

RT: 3.13 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

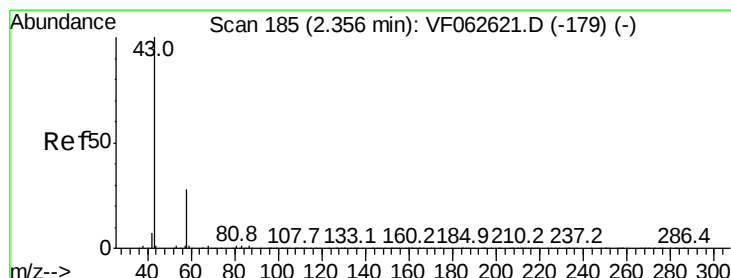
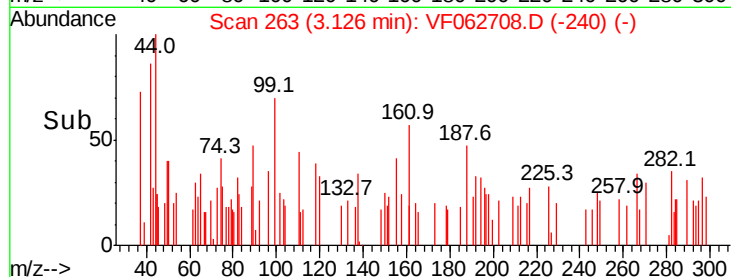
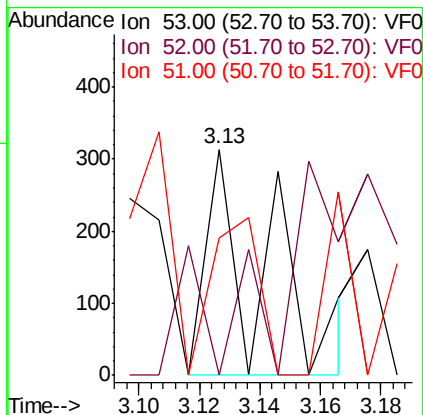
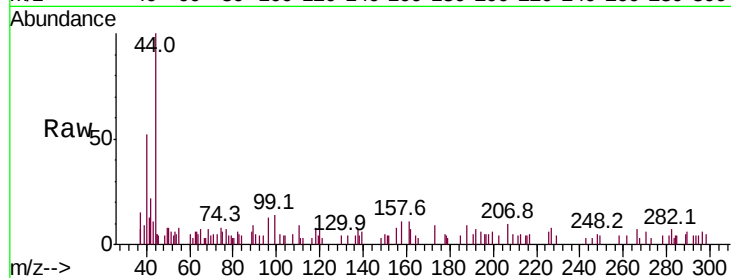
Tot Ion: 53 Resp: 416

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 60.8 33.0 49.6#



#16

Acetone

Concen: 353.096 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062708.D

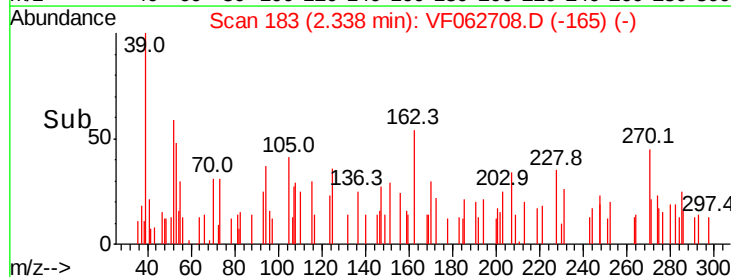
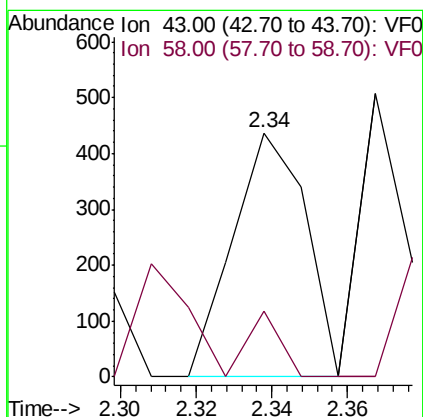
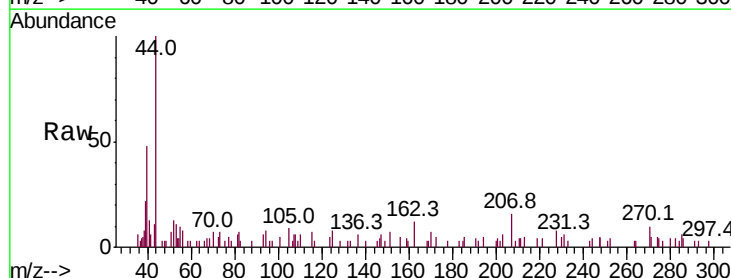
Acq: 22 May 2019 16:22

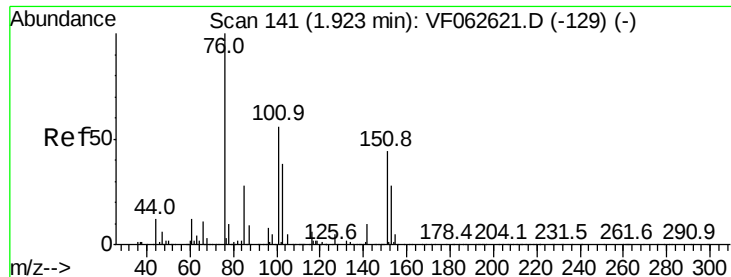
Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

58 27.2 22.6 33.8

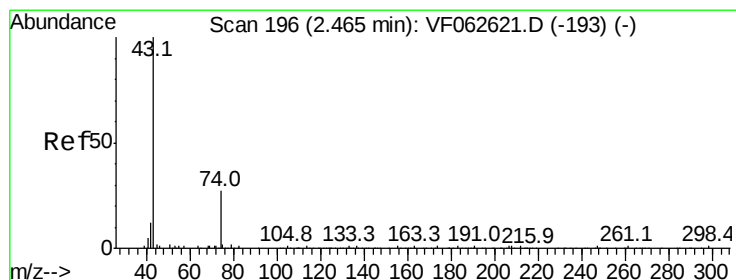
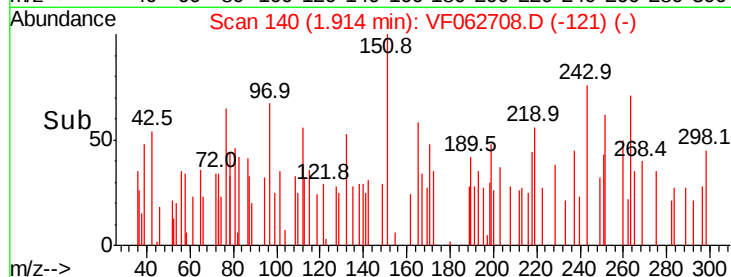
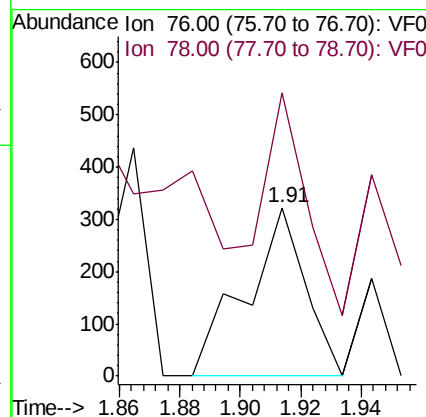
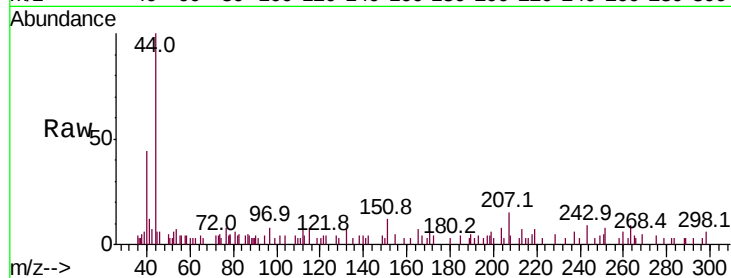




#17
Carbon Disulfide
Concen: 18.527 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

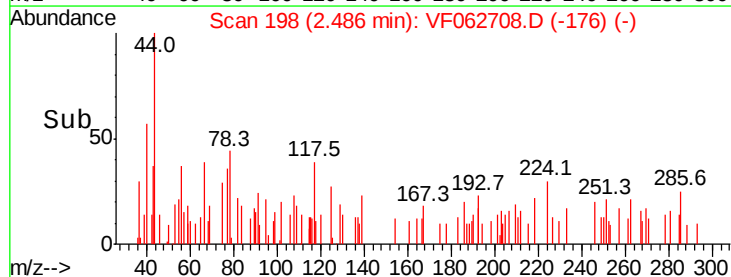
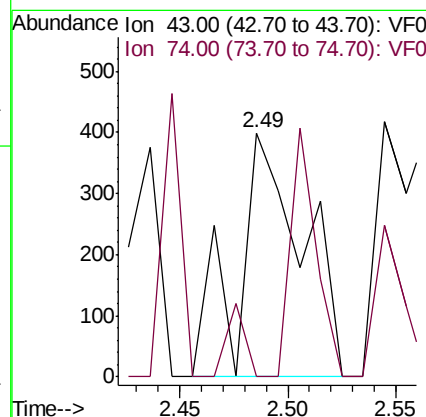
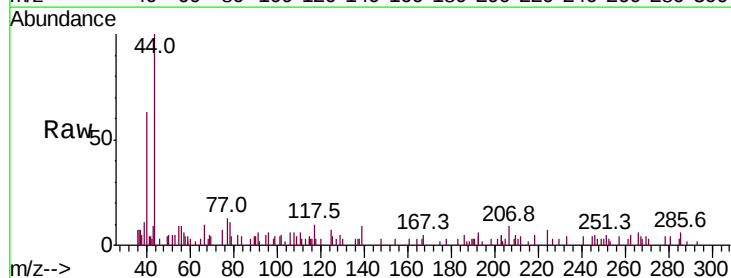
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

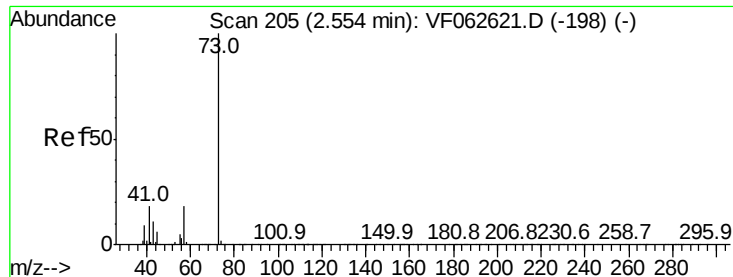
Tot Ion: 76 Resp: 442
Ion Ratio Lower Upper
76 100
78 168.3 8.4 12.6#



#18
Methyl Acetate
Concen: 324.647 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



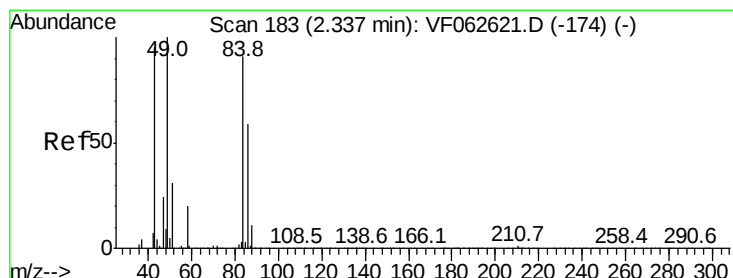
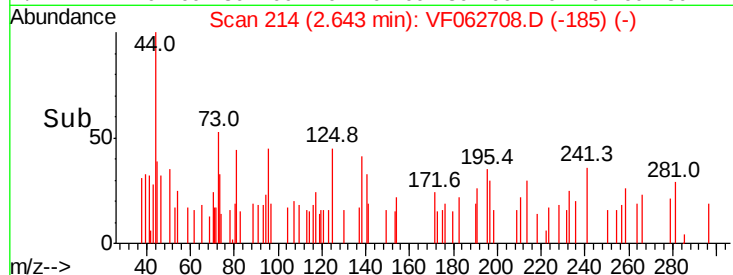
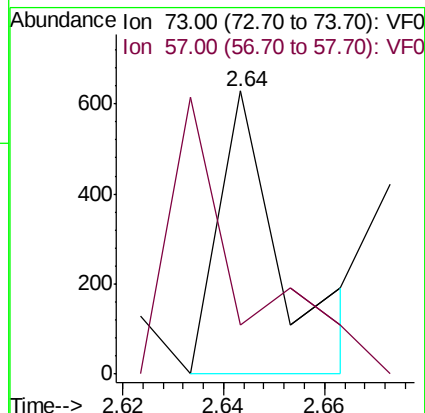
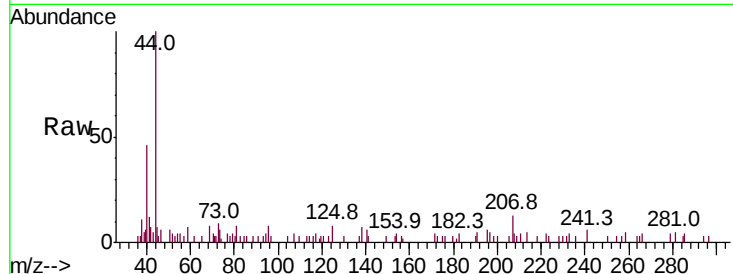


#19

Methyl tert-butyl Ether
 Concen: 38.155 ug/l
 RT: 2.64 min Scan# 214
 Delta R.T. 0.09 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

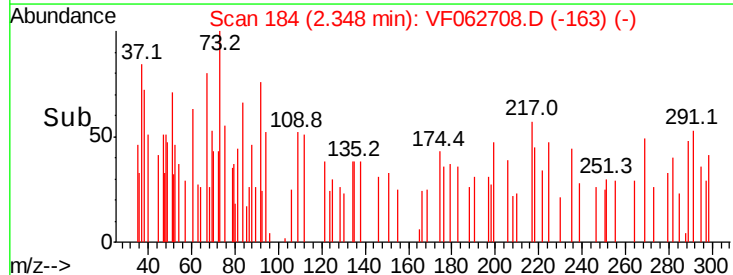
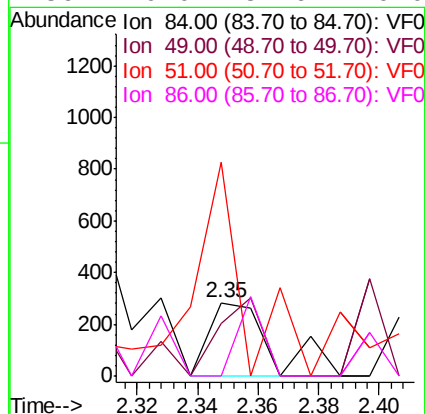
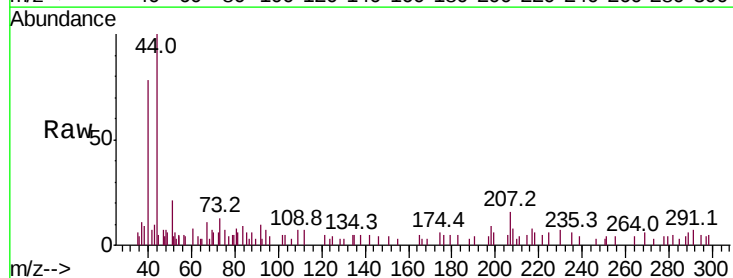
Tot Ion: 73 Resp: 549
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.2 21.4

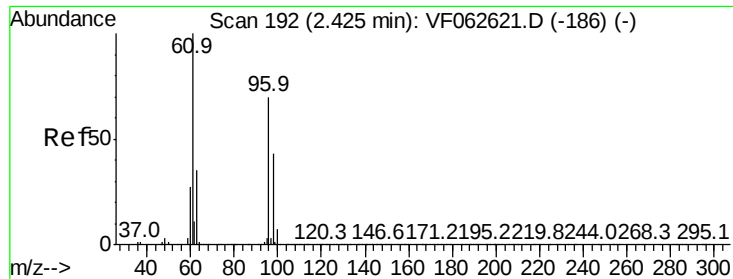


#20

Methylene Chloride
 Concen: 50.282 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Tgt Ion: 84 Resp: 414
 Ion Ratio Lower Upper
 84 100
 49 72.2 89.8 134.8#
 51 290.8 28.4 42.6#
 86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 117.957 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

Tot Ion: 96 Resp: 928

Ion Ratio Lower Upper

96 100

61 0.0 114.6 171.8#

98 29.9 49.5 74.3#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

800

600

400

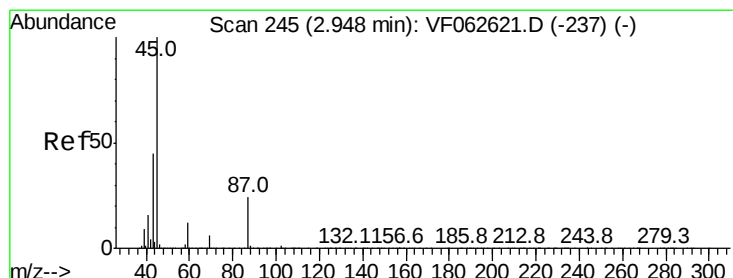
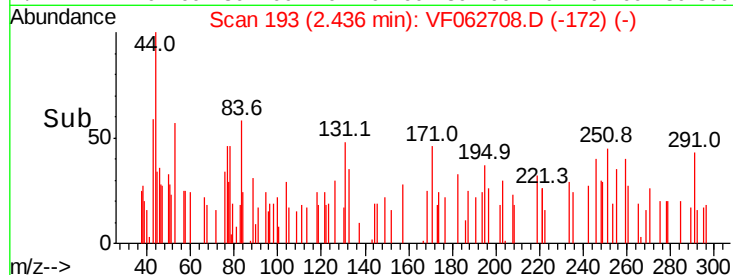
200

0

2.40

2.45

Time-->



#22

Diisopropyl ether

Concen: 34.619 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Tgt Ion: 45 Resp: 622

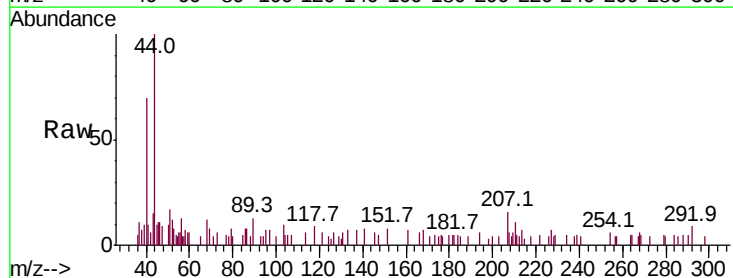
Ion Ratio Lower Upper

45 100

43 148.7 36.4 54.6#

87 0.0 19.3 28.9#

59 57.9 9.4 14.2#



Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

1000

800

600

400

200

0

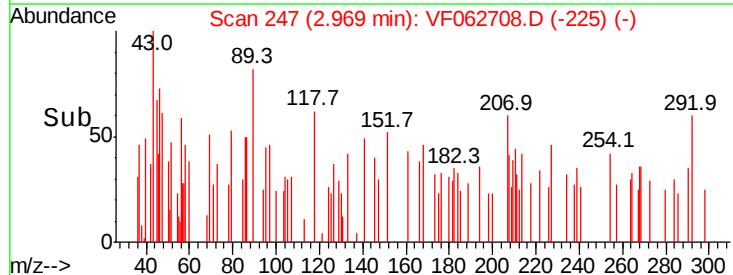
2.94

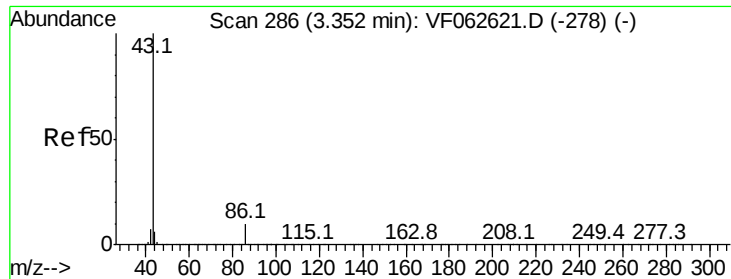
2.96

2.98

3.00

Time-->





#23

Vinyl Acetate

Concen: 59.900 ug/l

RT: 3.39 min Scan# 290

Delta R.T. 0.04 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

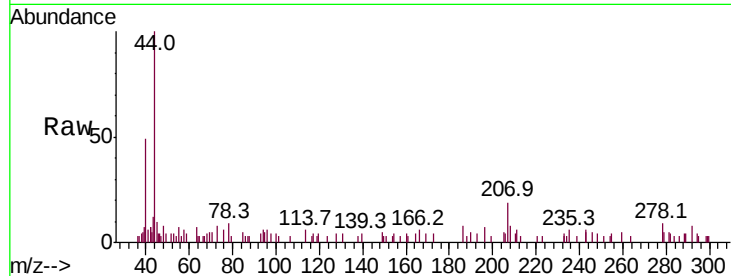
OK-01-052119RE

Tot Ion: 43 Resp: 726

Ion Ratio Lower Upper

43 100

86 20.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.39

600

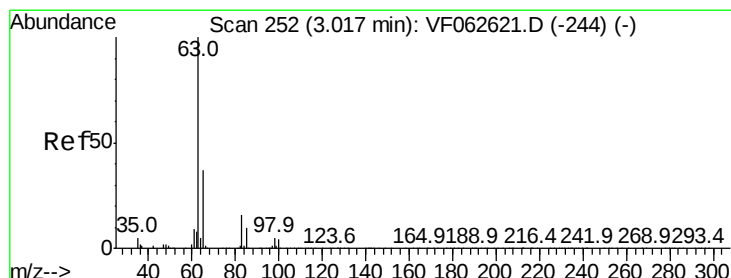
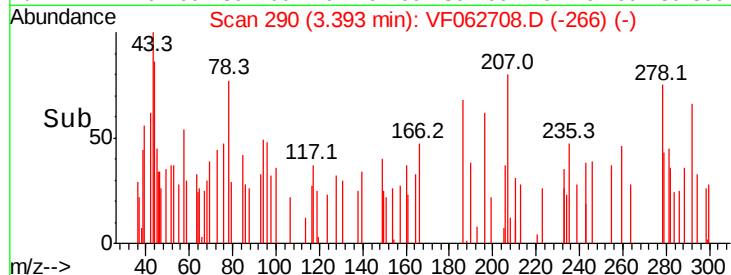
400

200

0

3.35 3.40 3.45

Time-->



#24

1,1-Dichloroethane

Concen: 10.697 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

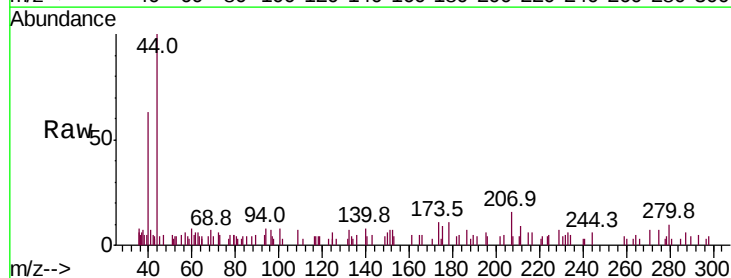
Tgt Ion: 63 Resp: 141

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 213.3 1.9 5.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

400

300

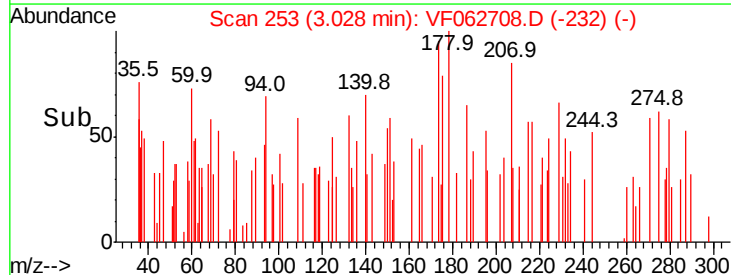
200

100

0

2.98 3.00 3.02 3.04

Time-->





#25

2-Butanone

Concen: 90.898 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

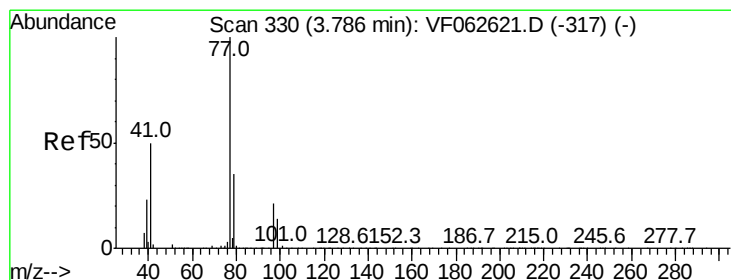
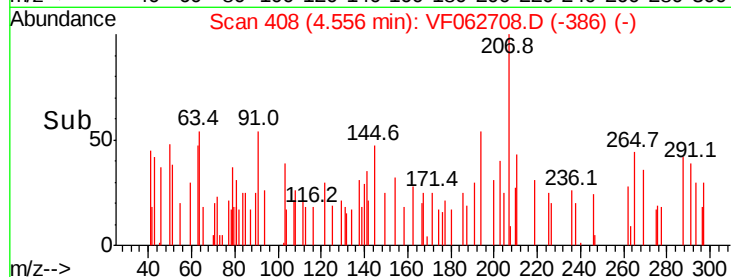
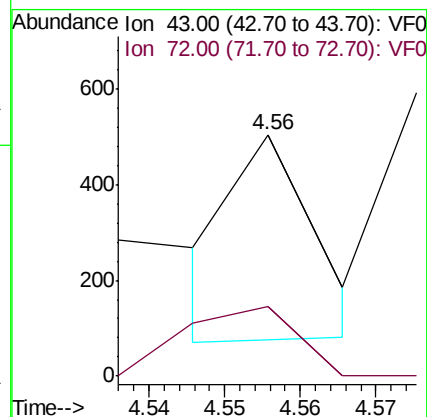
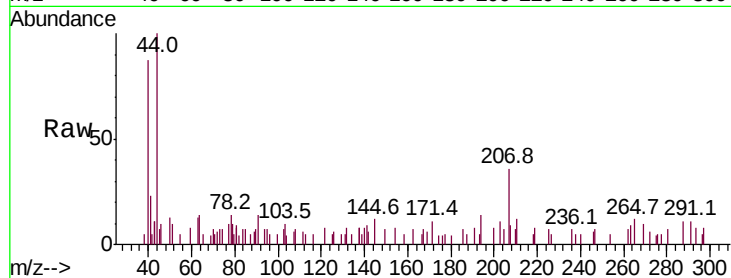
OK-01-052119RE

Tot Ion: 43 Resp: 319

Ion Ratio Lower Upper

43 100

72 28.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 59.802 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062708.D

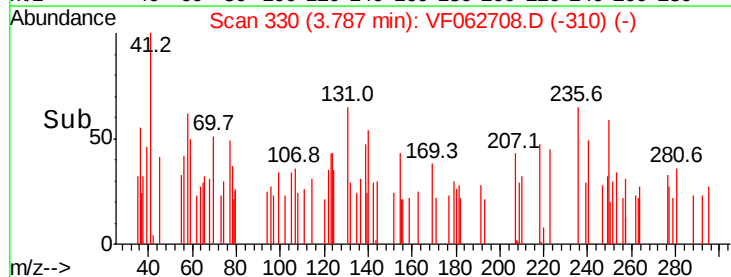
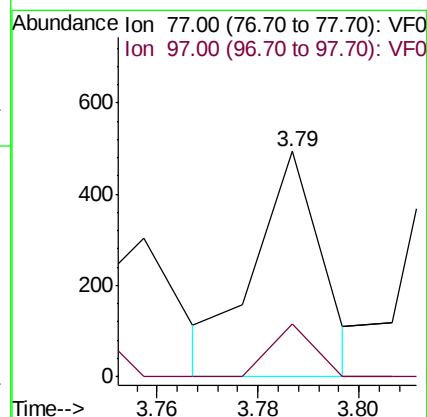
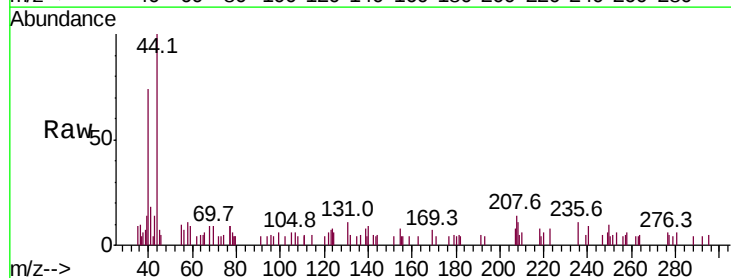
Acq: 22 May 2019 16:22

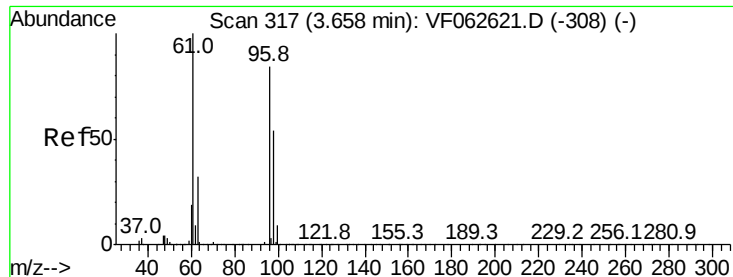
Tgt Ion: 77 Resp: 451

Ion Ratio Lower Upper

77 100

97 23.3 14.1 42.4



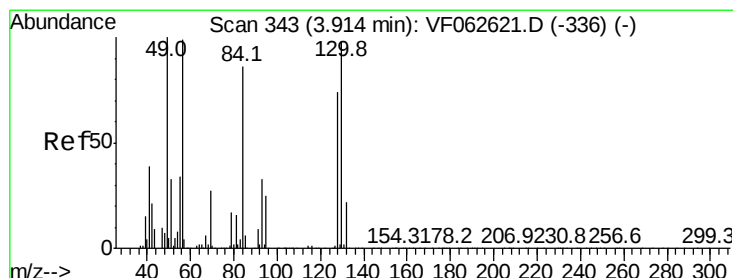
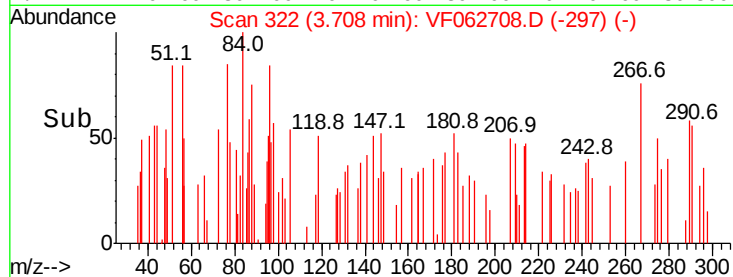
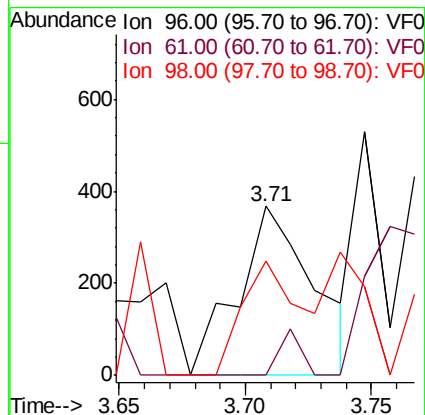
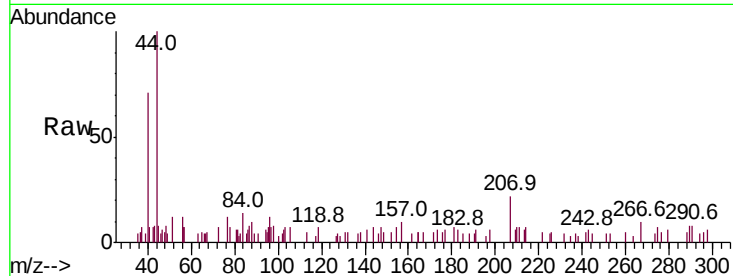


#27

cis-1,2-Dichloroethene
 Concen: 59.269 ug/l
 RT: 3.71 min Scan# 322
 Delta R.T. 0.05 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

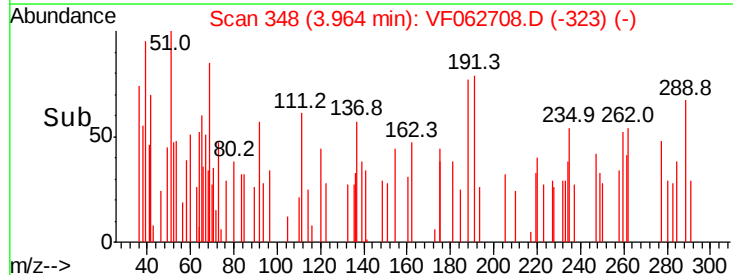
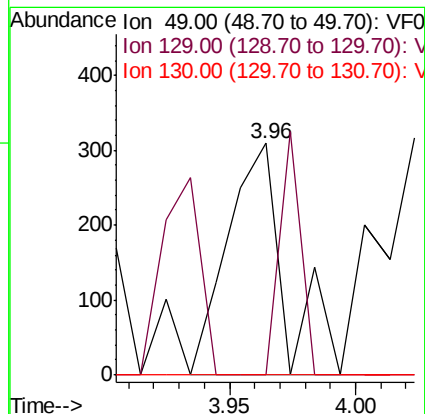
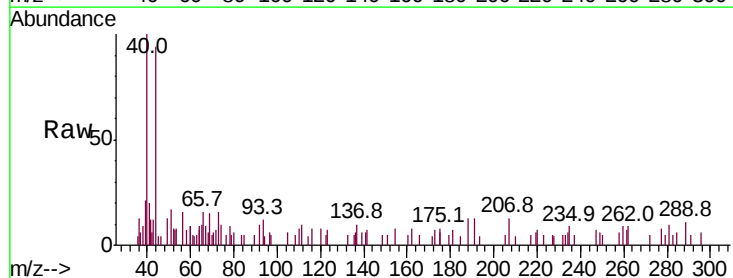
Tot Ion: 96 Resp: 767
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 237.4
 98 67.7 0.0 129.0

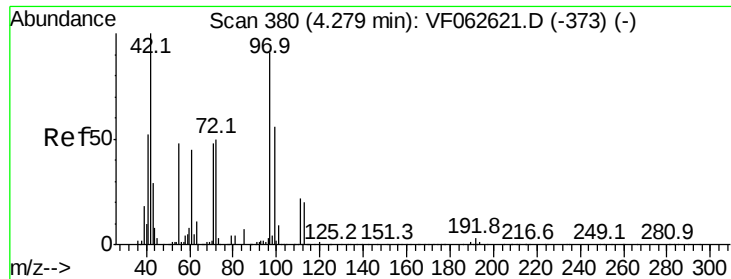


#28

Bromochloromethane
 Concen: 66.150 ug/l
 RT: 3.96 min Scan# 348
 Delta R.T. 0.05 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Tgt Ion: 49 Resp: 489
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 77.8 116.8#





#29

Tetrahydrofuran

Concen: 251.382 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.23 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

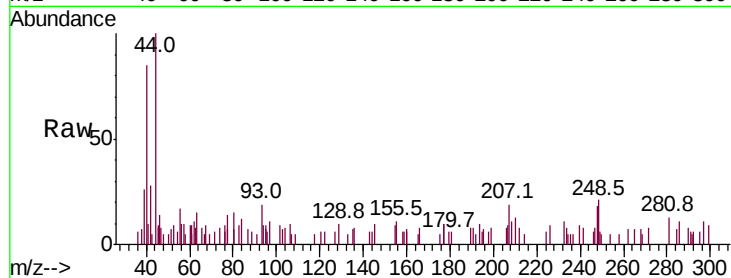
Tot Ion: 42 Resp: 357

Ion Ratio Lower Upper

42 100

72 52.1 38.2 57.2

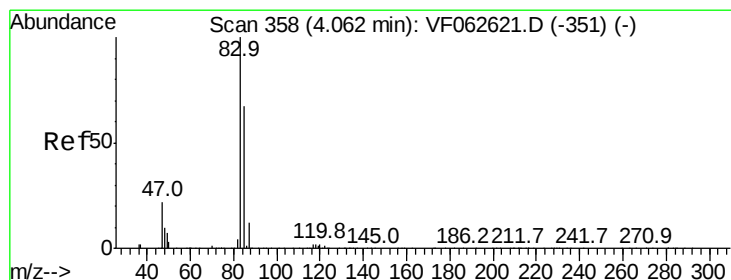
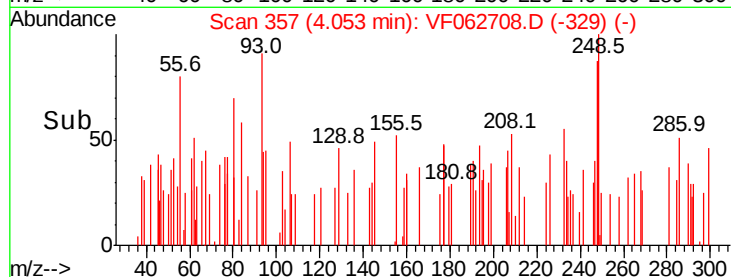
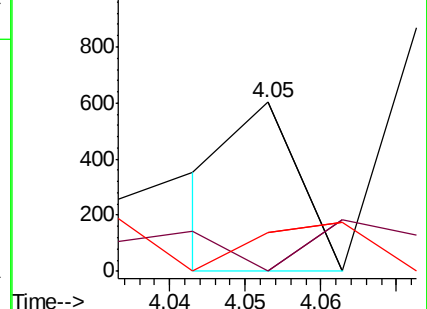
71 51.8 35.8 53.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 10.601 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.11 min

Lab File: VF062708.D

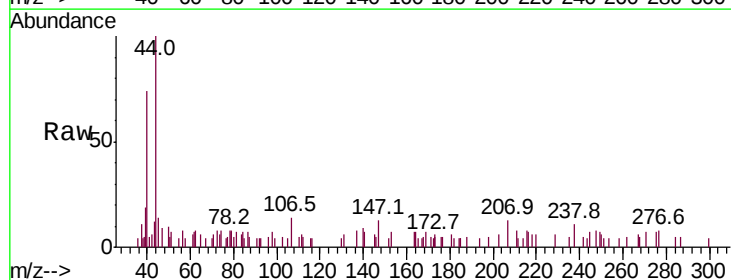
Acq: 22 May 2019 16:22

Tgt Ion: 83 Resp: 194

Ion Ratio Lower Upper

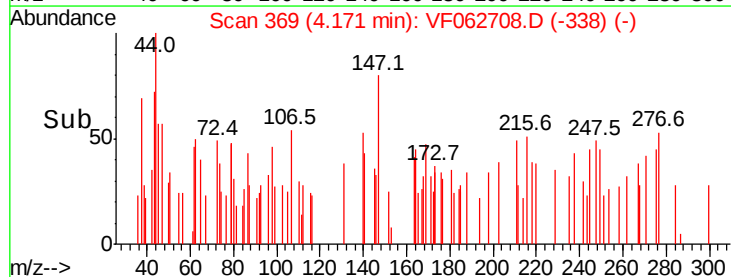
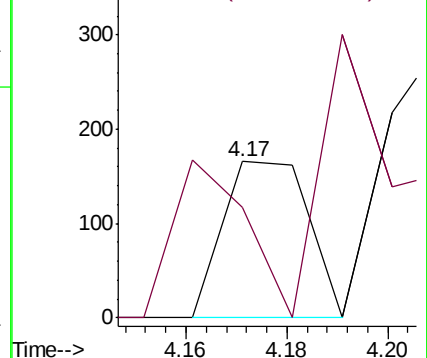
83 100

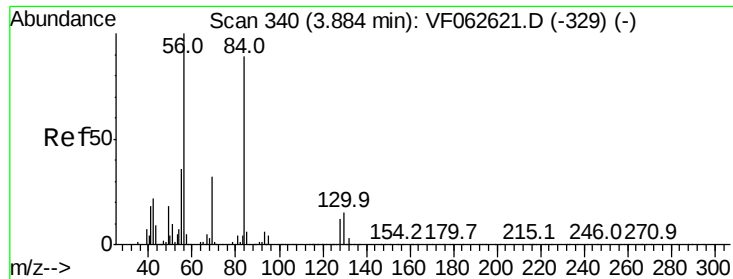
85 70.5 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

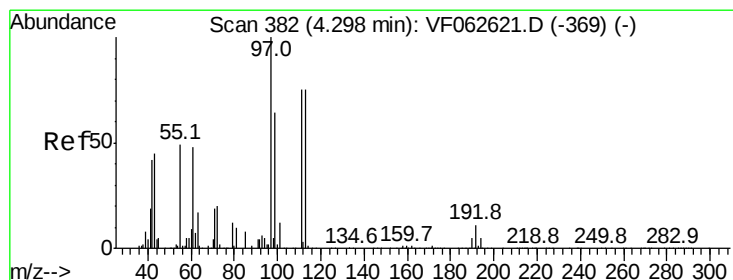
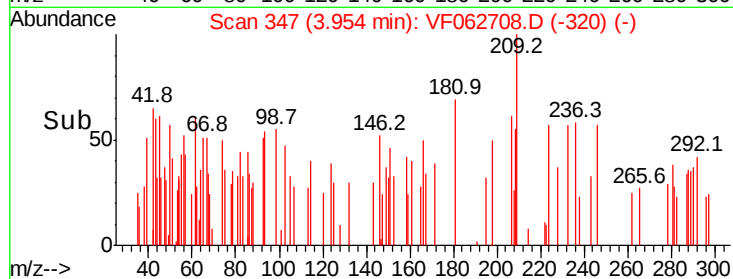
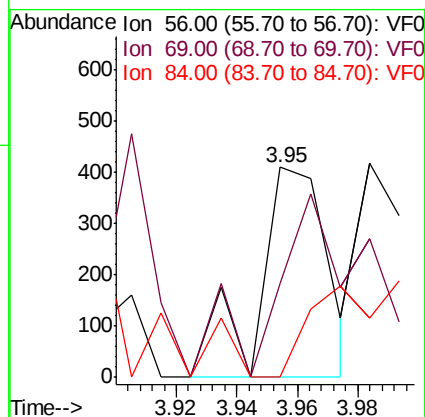
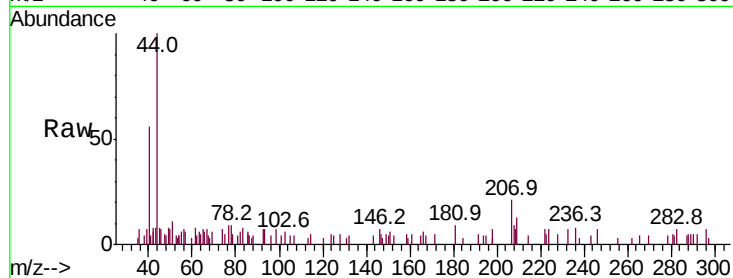




#31
Cyclohexane
Concen: 36.332 ug/l
RT: 3.95 min Scan# 347
Delta R.T. 0.07 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

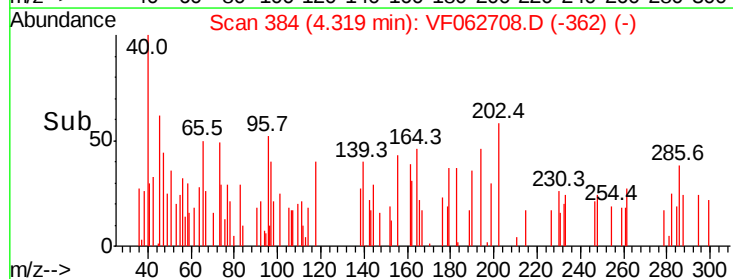
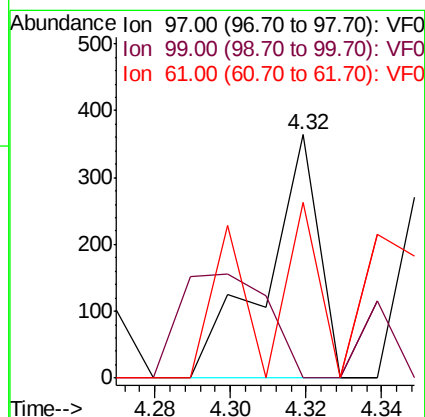
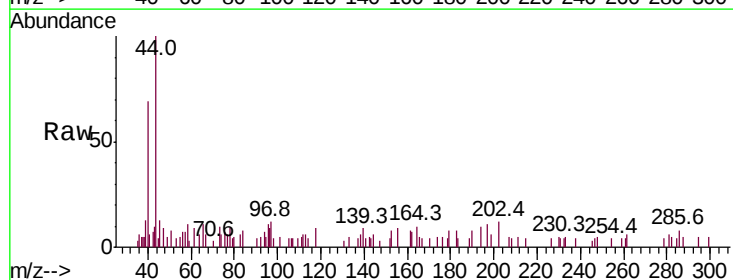
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

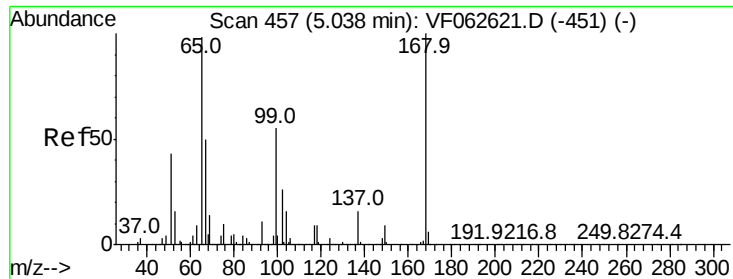
Tot Ion: 56 Resp: 643
Ion Ratio Lower Upper
56 100
69 45.0 25.3 37.9#
84 0.0 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 28.963 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 97 Resp: 352
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 72.3 38.2 57.2#

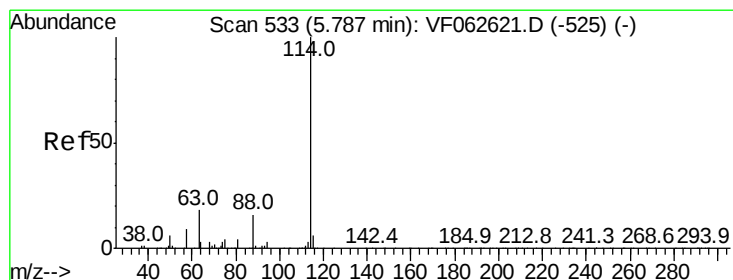
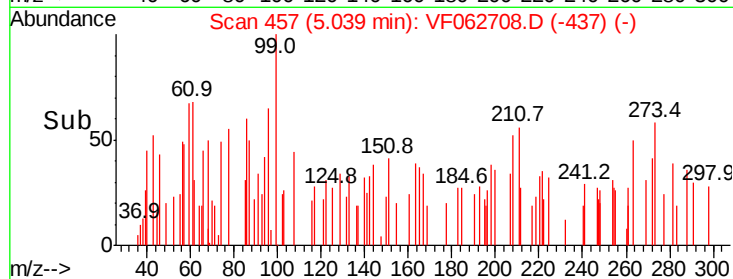
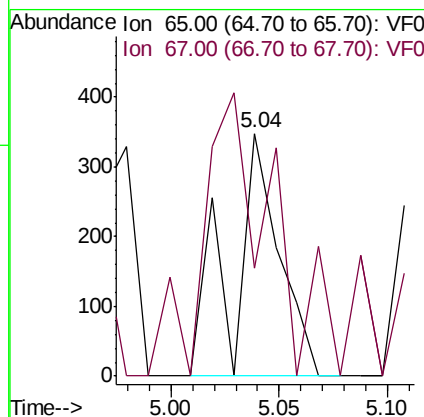
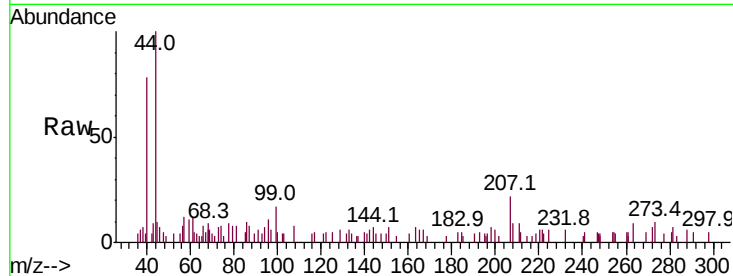




#33
 1,2-Dichloroethane-d4
 Concen: 83.549 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

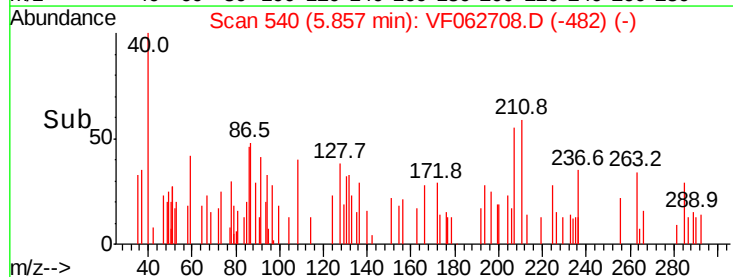
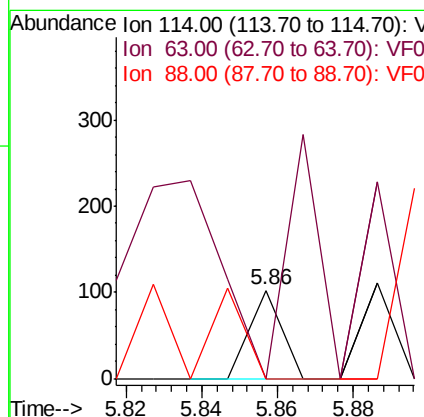
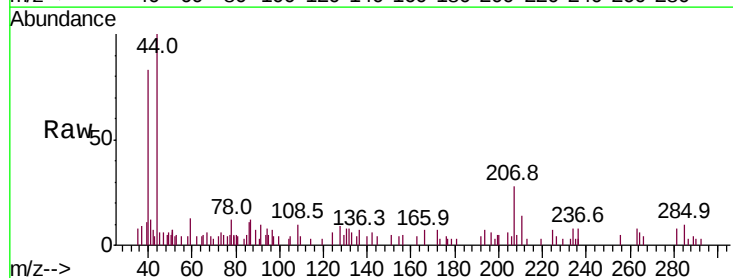
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

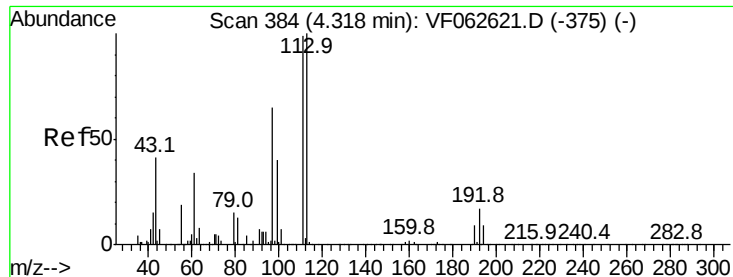
Tot Ion: 65 Resp: 529
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 540
 Delta R.T. 0.07 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Tgt Ion: 114 Resp: 60
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 35.4
 88 0.0 0.0 32.4

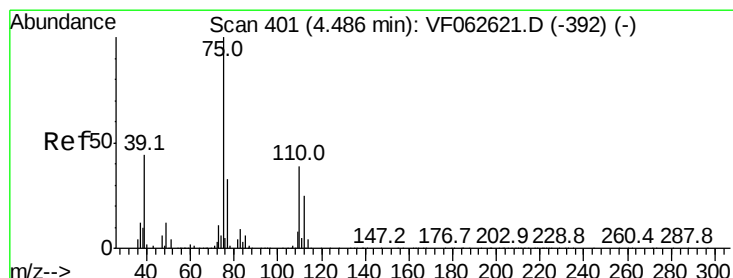
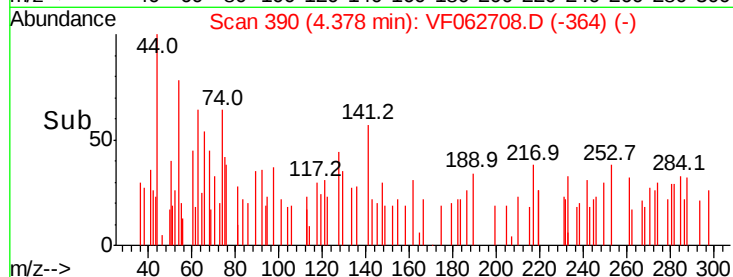
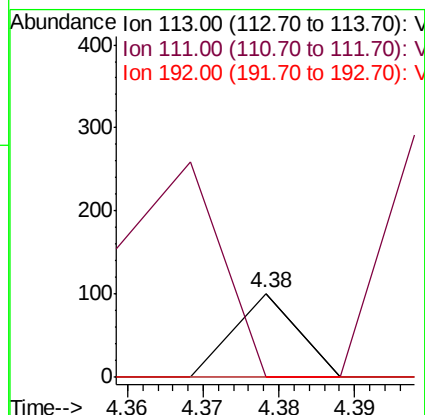
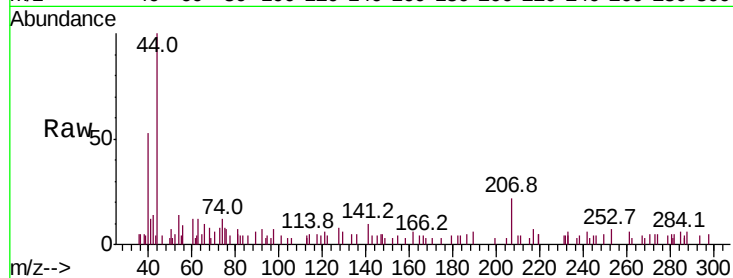




#35
Dibromofluoromethane
Concen: 130.684 ug/l
RT: 4.38 min Scan# 390
Delta R.T. 0.06 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

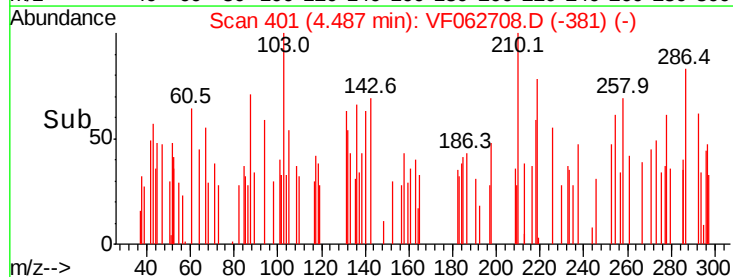
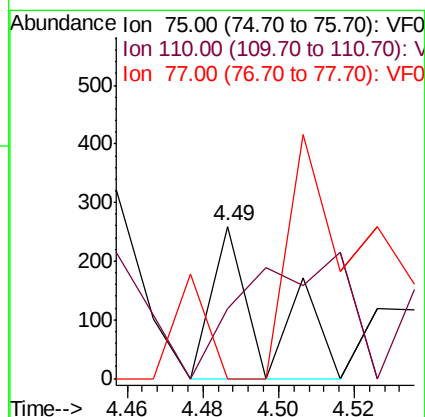
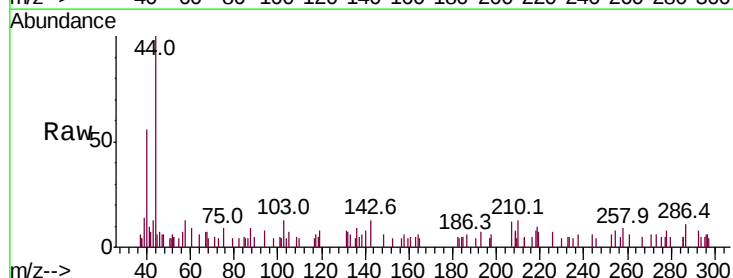
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

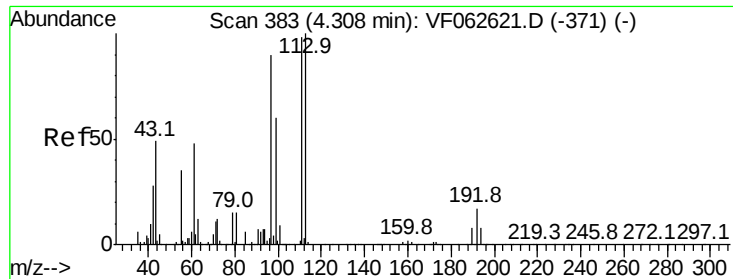
Tot Ion:113 Resp: 60
Ion Ratio Lower Upper
113 100
111 0.0 79.4 119.2#
192 0.0 13.4 20.2#



#36
1,1-Dichloropropene
Concen: 414.759 ug/l
RT: 4.49 min Scan# 401
Delta R.T. 0.00 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 75 Resp: 255
Ion Ratio Lower Upper
75 100
110 46.3 19.7 59.1
77 0.0 26.3 39.5#

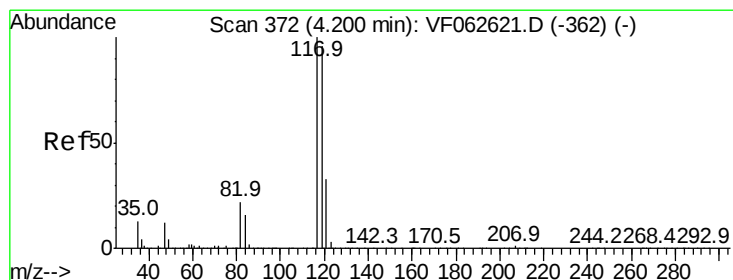
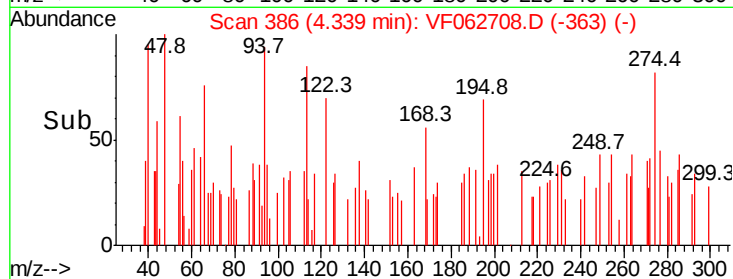
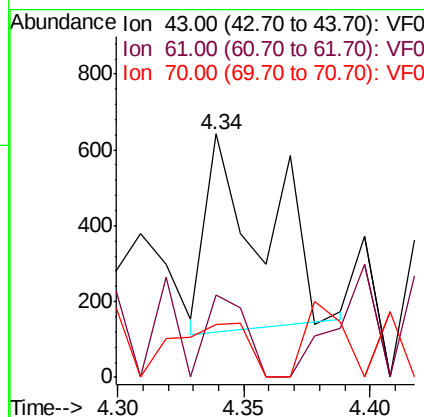
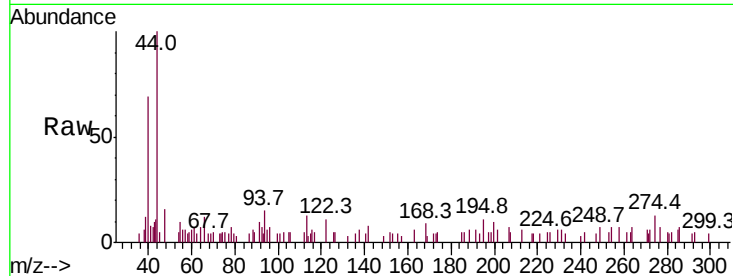




#37
Ethyl Acetate
Concen: 3358.167 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.03 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

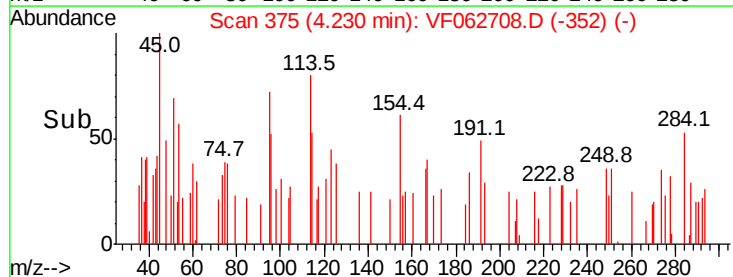
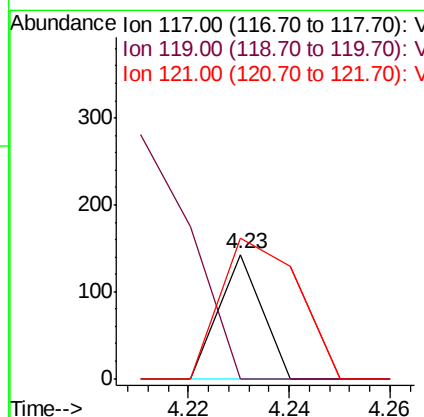
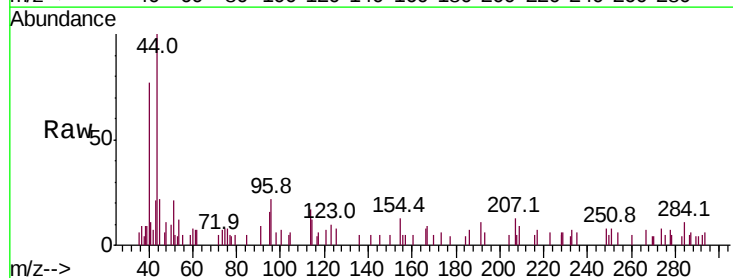
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

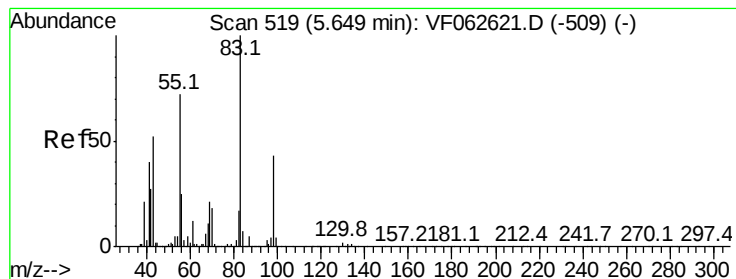
Tot Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
61 33.6 76.9 115.3#
70 22.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 183.828 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.03 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 117 Resp: 85
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 113.3 26.6 40.0#





#39

Methylcyclohexane

Concen: 478.523 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.04 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

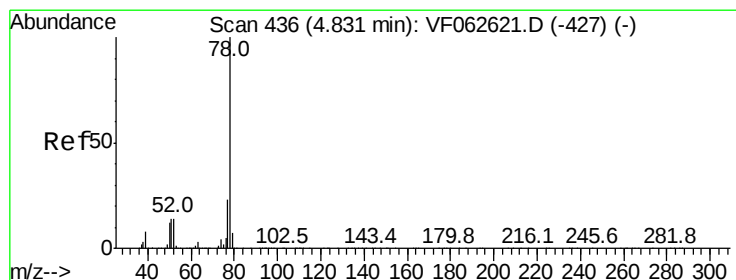
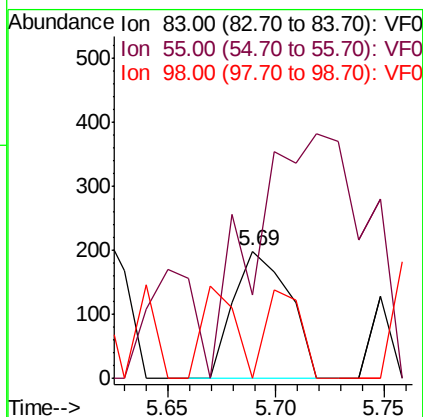
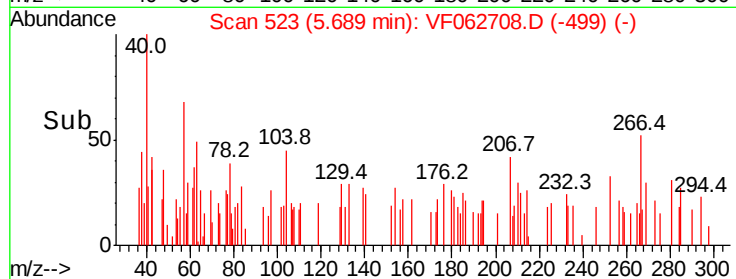
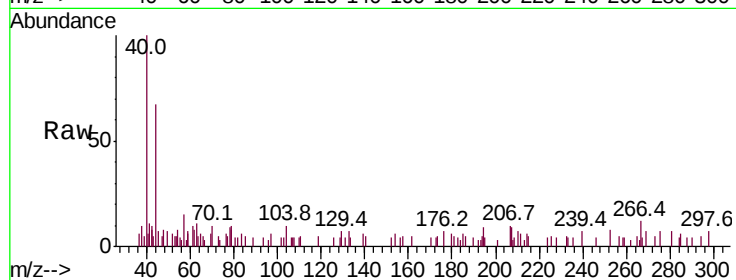
Tot Ion: 83 Resp: 354

Ion Ratio Lower Upper

83 100

55 65.2 57.9 86.9

98 0.0 34.6 52.0#



#40

Benzene

Concen: 250.161 ug/l

RT: 4.86 min Scan# 439

Delta R.T. 0.03 min

Lab File: VF062708.D

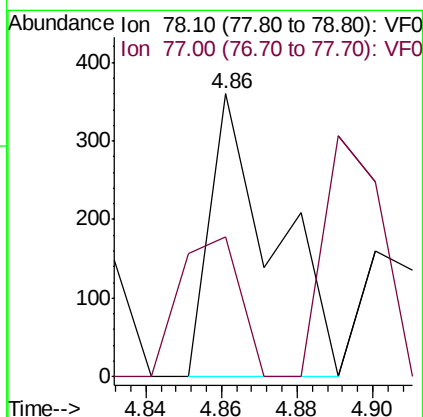
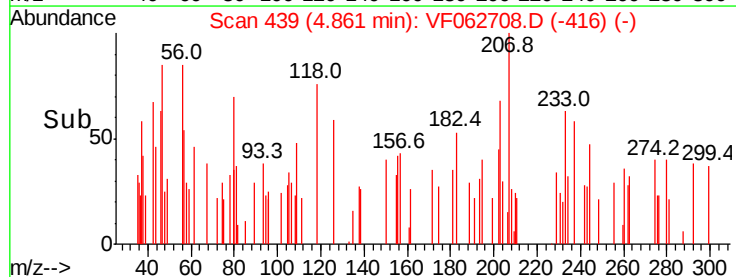
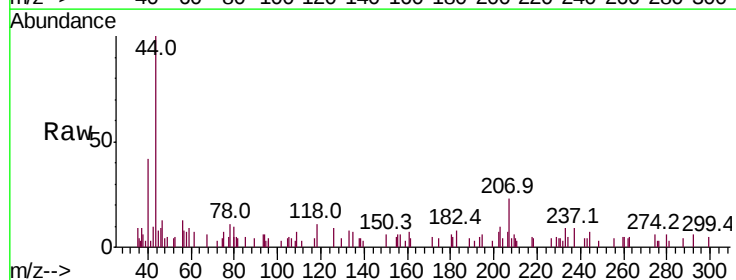
Acq: 22 May 2019 16:22

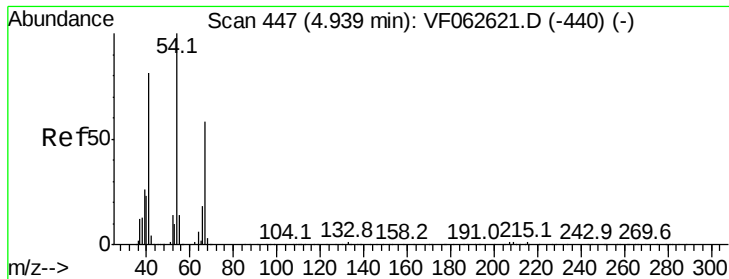
Tgt Ion: 78 Resp: 419

Ion Ratio Lower Upper

78 100

77 49.4 18.2 27.2#





#41

Methacrylonitrile

Concen: 11397.485 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.08 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

Tot Ion: 41 Resp: 1500

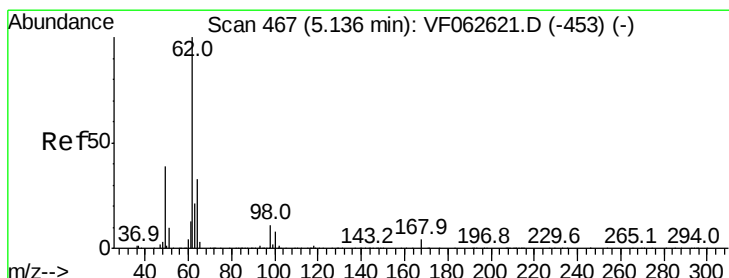
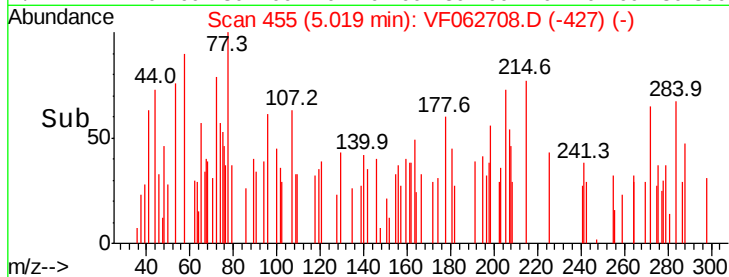
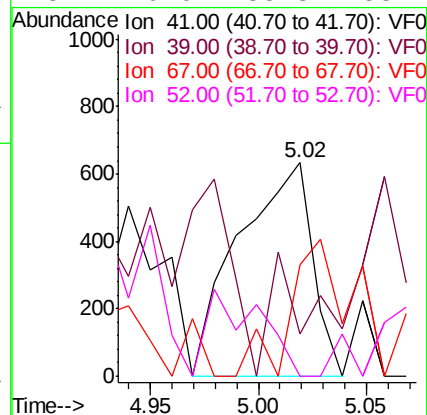
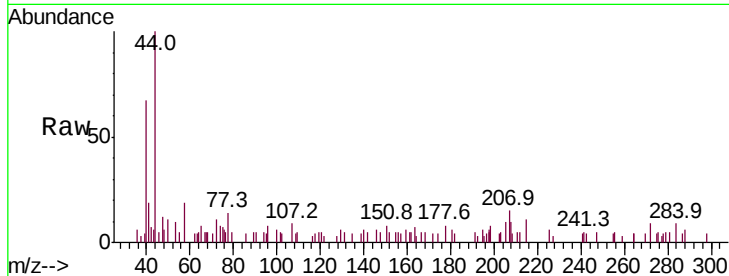
Ion Ratio Lower Upper

41 100

39 19.7 42.2 63.2#

67 52.1 56.4 84.6#

52 0.0 38.8 58.2#



#42

1,2-Dichloroethane

Concen: 904.174 ug/l

RT: 5.22 min Scan# 475

Delta R.T. 0.08 min

Lab File: VF062708.D

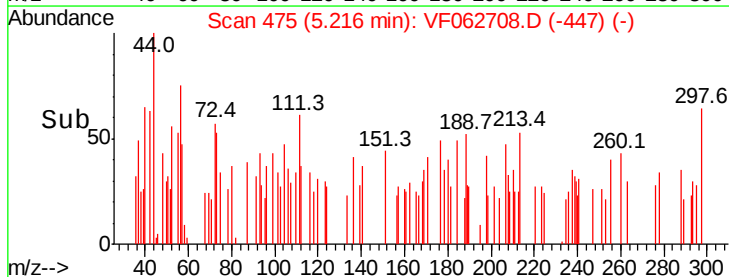
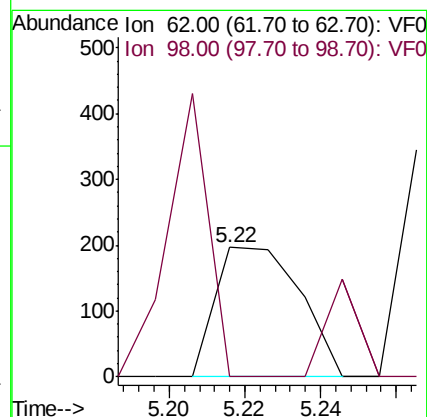
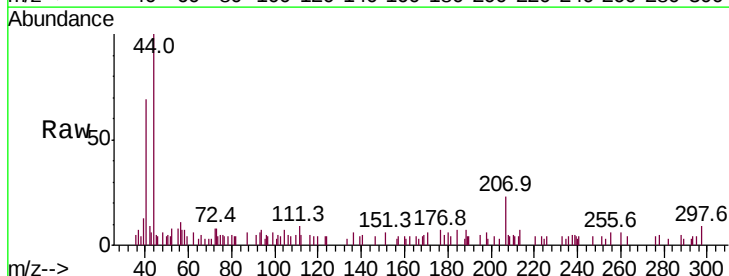
Acq: 22 May 2019 16:22

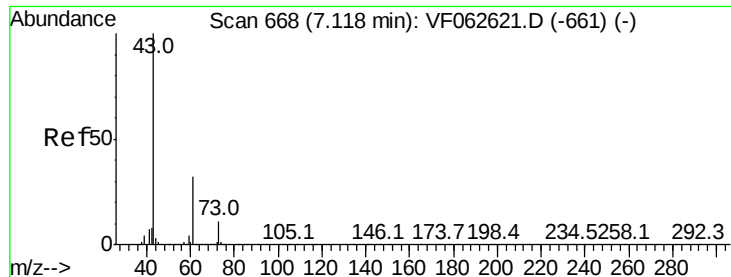
Tgt Ion: 62 Resp: 302

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6





#43

Isopropyl Acetate

Concen: 3948.113 ug/l

RT: 7.22 min Scan# 678

Delta R.T. 0.10 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

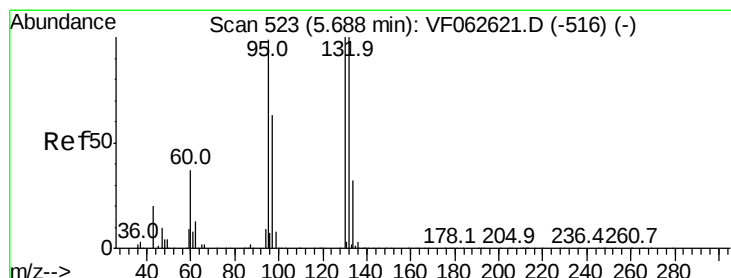
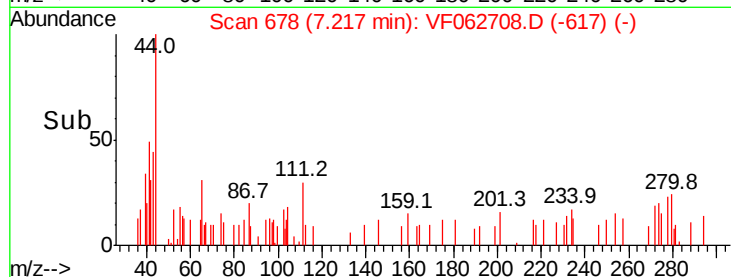
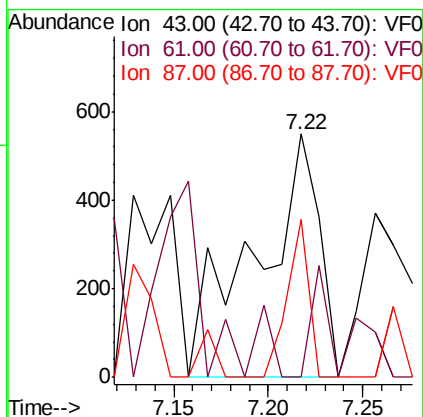
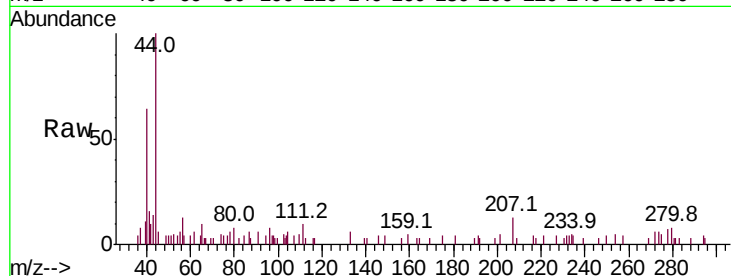
Tot Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

87 64.9 0.4 0.6#



#44

Trichloroethene

Concen: 150.825 ug/l

RT: 5.73 min Scan# 527

Delta R.T. 0.04 min

Lab File: VF062708.D

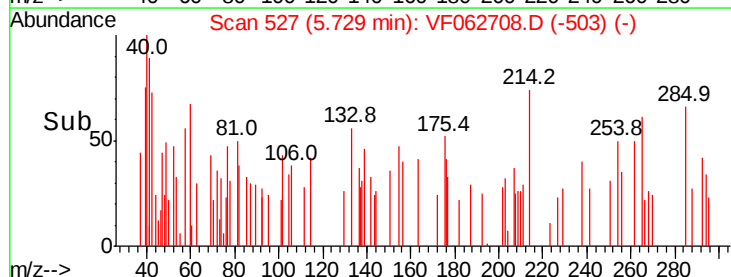
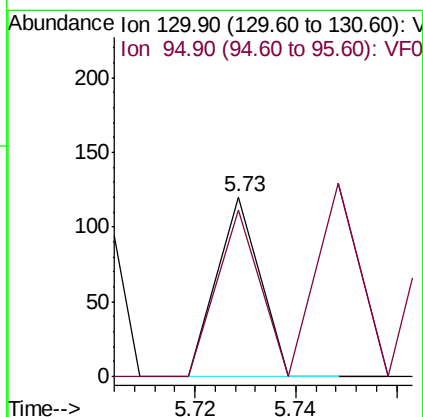
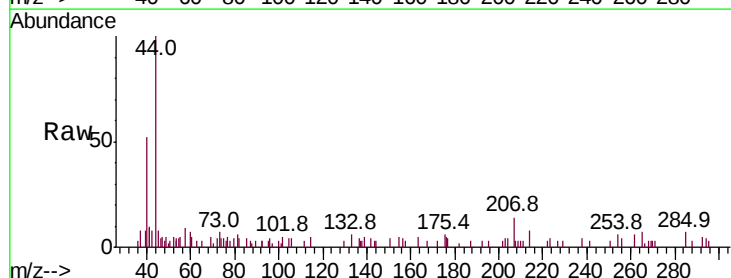
Acq: 22 May 2019 16:22

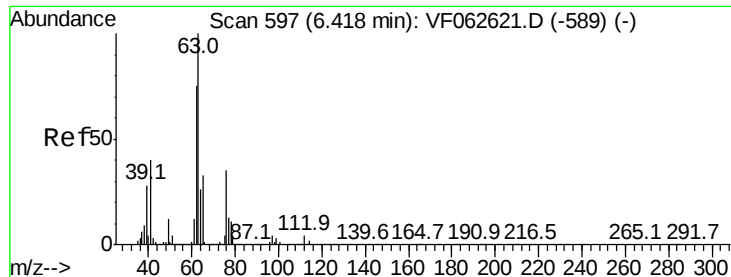
Tgt Ion: 130 Resp: 71

Ion Ratio Lower Upper

130 100

95 92.5 0.0 199.4





#45

1,2-Dichloropropane

Concen: 1563.350 ug/l

RT: 6.61 min Scan# 616

Delta R.T. 0.19 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

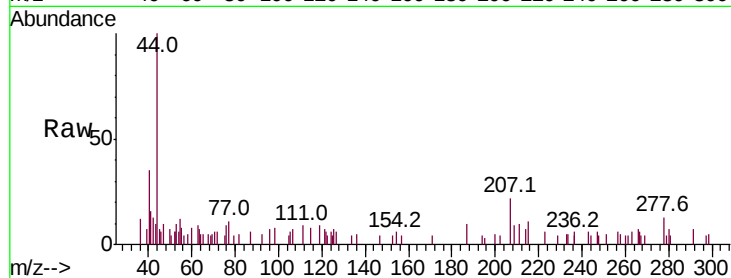
OK-01-052119RE

Tot Ion: 63 Resp: 661

Ion Ratio Lower Upper

63 100

65 28.8 26.3 39.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.61

400

300

200

100

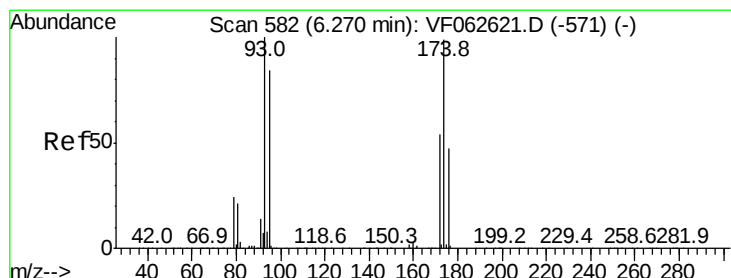
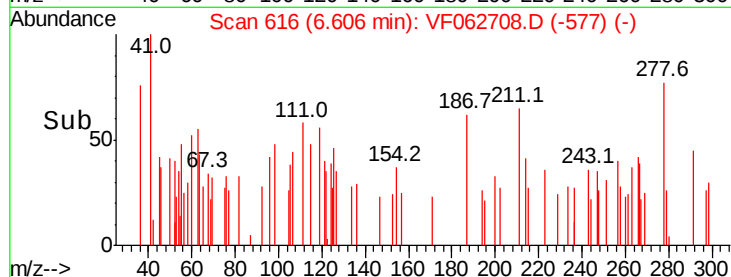
0

6.55

6.60

6.65

Time-->



#46

Dibromomethane

Concen: 1391.428 ug/l

RT: 6.36 min Scan# 591

Delta R.T. 0.09 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

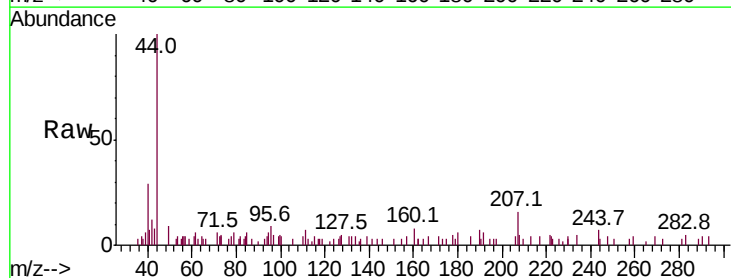
Tgt Ion: 93 Resp: 340

Ion Ratio Lower Upper

93 100

95 118.6 67.4 101.2#

174 40.7 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

6.36

400

300

200

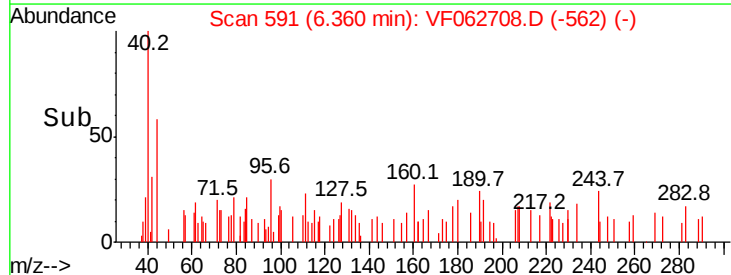
100

0

6.35

6.40

Time-->

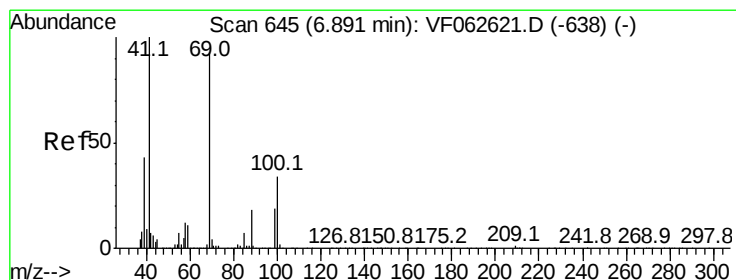
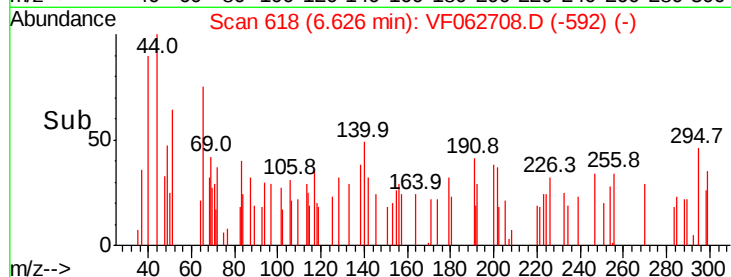
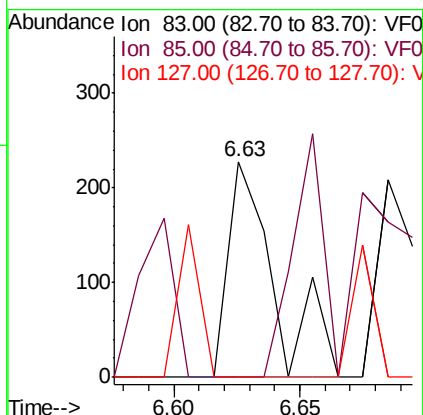
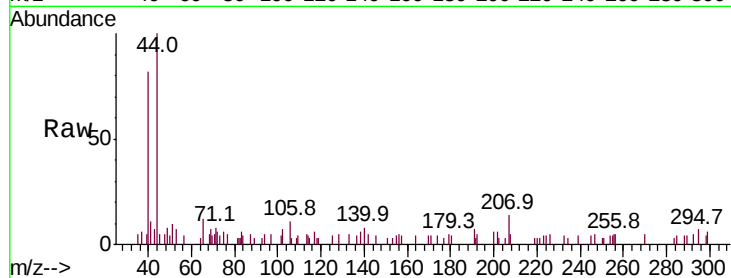




#47
Bromodichloromethane
Concen: 569.707 ug/l
RT: 6.63 min Scan# 618
Delta R.T. 0.06 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

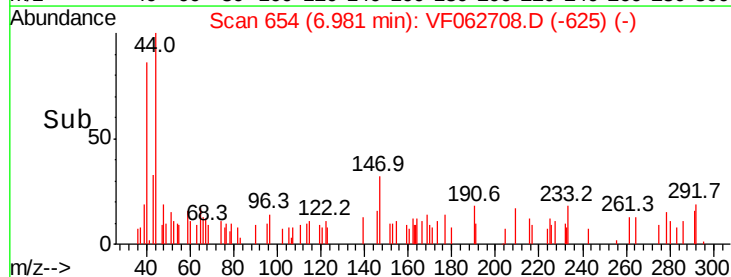
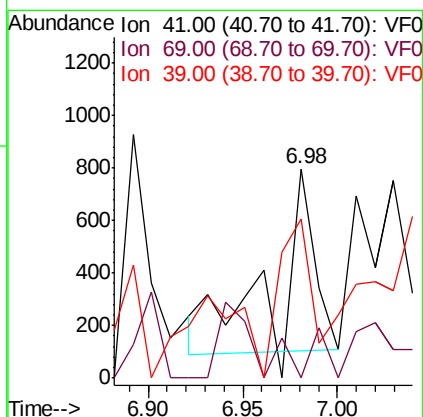
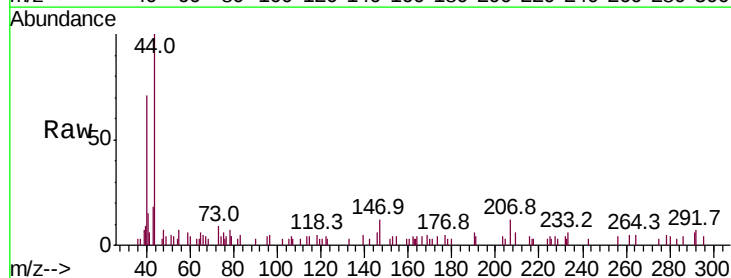
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

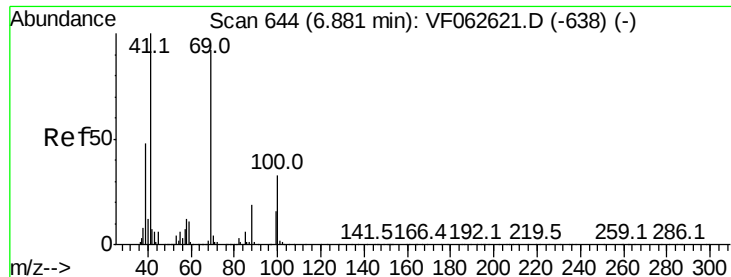
Tot Ion: 83 Resp: 289
Ion Ratio Lower Upper
83 100
85 0.0 52.0 78.0#
127 0.0 7.7 11.5#



#48
Methyl methacrylate
Concen: 5847.535 ug/l
RT: 6.98 min Scan# 654
Delta R.T. 0.09 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 41 Resp: 994
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 75.9 34.2 51.4#

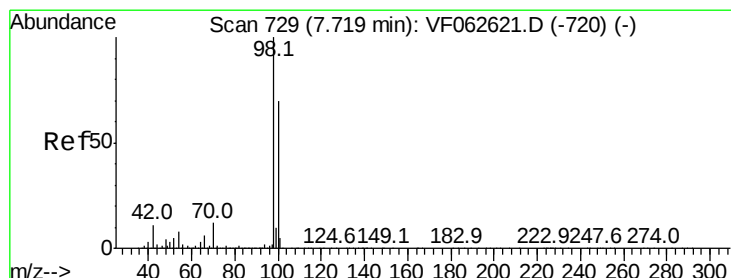
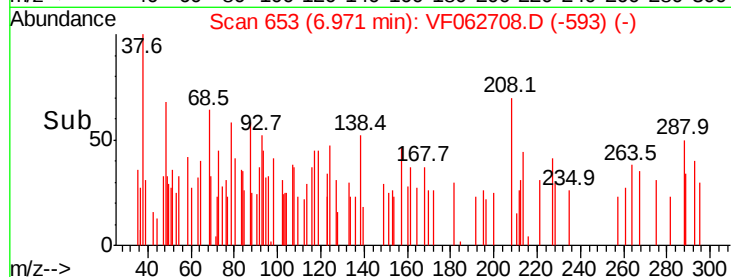
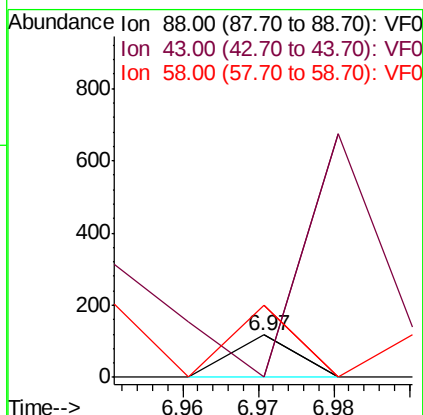
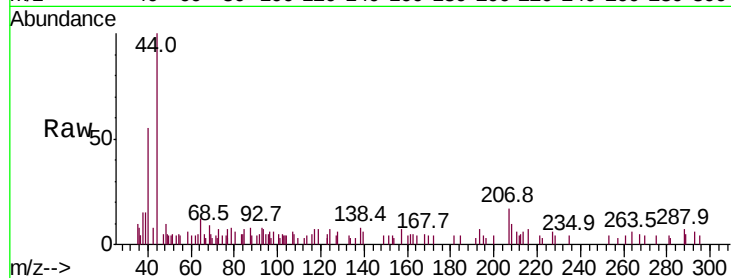




#49
1,4-Dioxane
Concen: 32151.816 ug/l
RT: 6.97 min Scan# 653
Delta R.T. 0.09 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

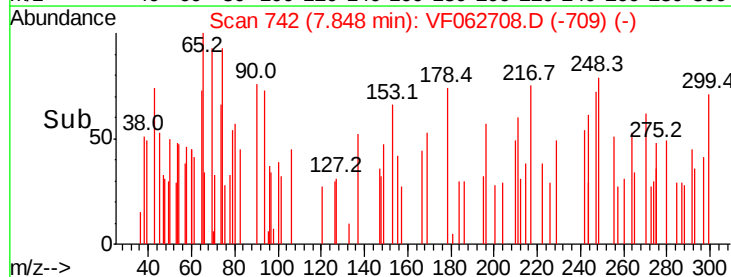
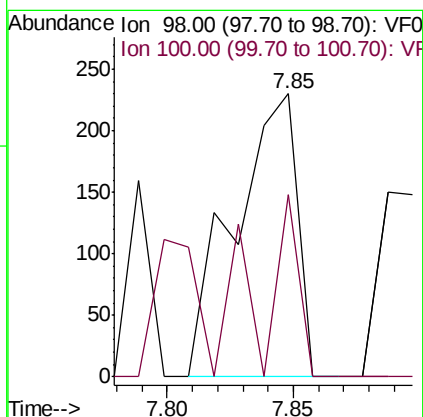
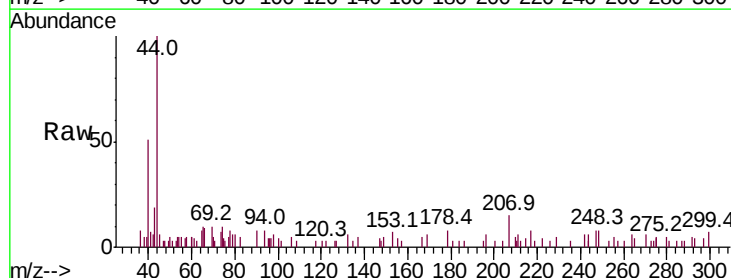
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

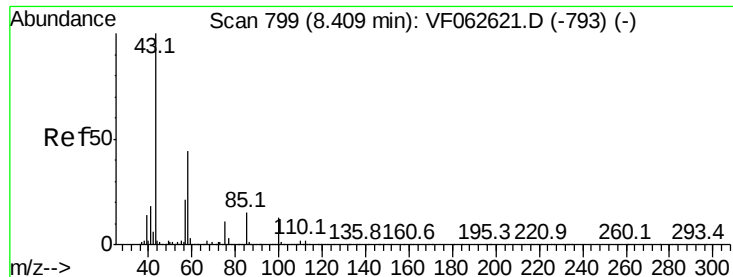
Tot Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 30.0 45.0#
58 170.3 51.1 76.7#



#50
Toluene-d8
Concen: 363.983 ug/l
RT: 7.85 min Scan# 742
Delta R.T. 0.13 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 98 Resp: 399
Ion Ratio Lower Upper
98 100
100 64.3 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 4255.522 ug/l

RT: 8.52 min Scan# 810

Delta R.T. 0.11 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

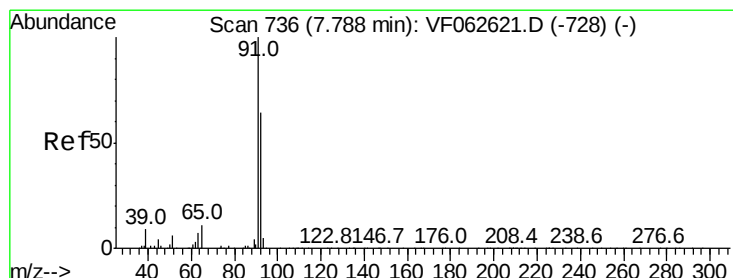
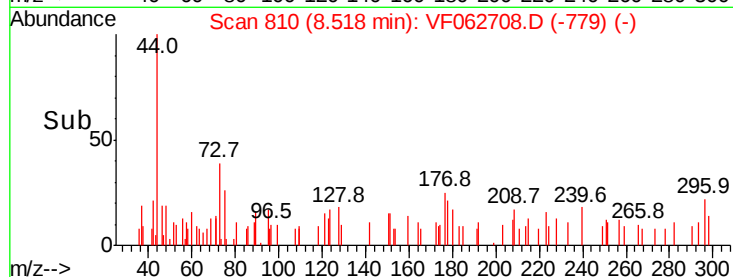
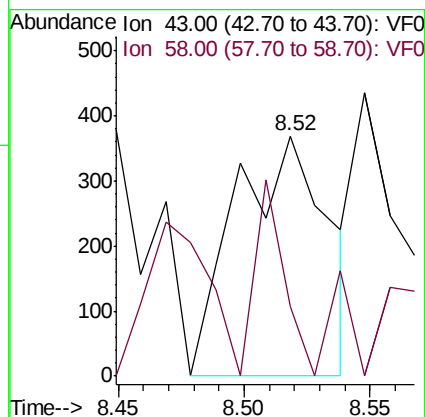
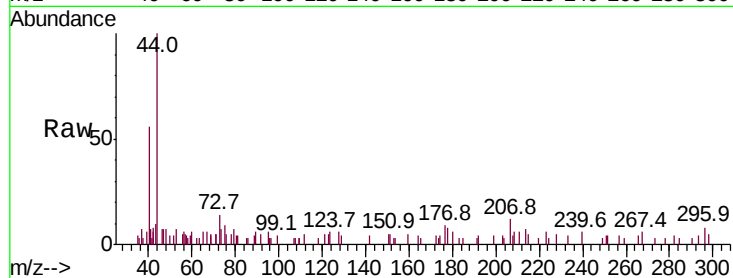
OK-01-052119RE

Tot Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

58 29.0 34.9 52.3#



#52

Toluene

Concen: 277.776 ug/l

RT: 7.90 min Scan# 747

Delta R.T. 0.11 min

Lab File: VF062708.D

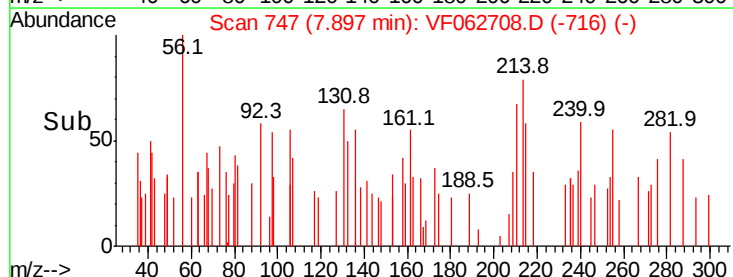
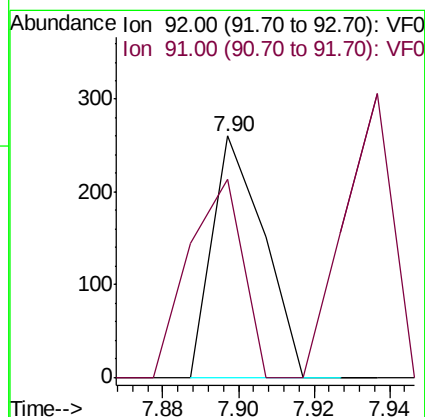
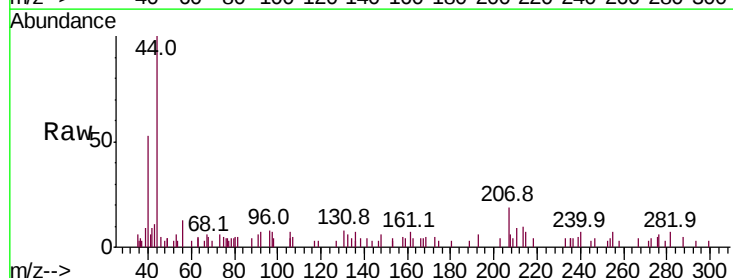
Acq: 22 May 2019 16:22

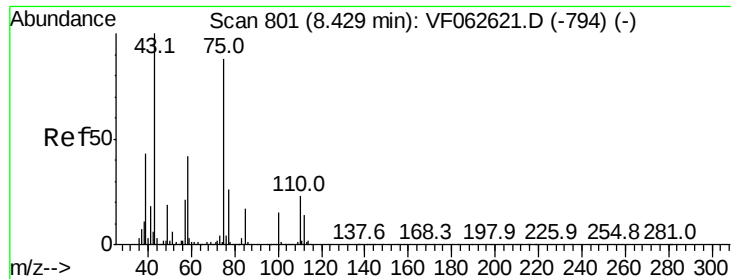
Tgt Ion: 92 Resp: 244

Ion Ratio Lower Upper

92 100

91 82.3 125.4 188.0#

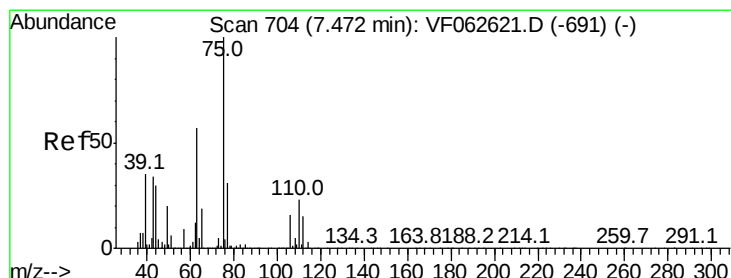
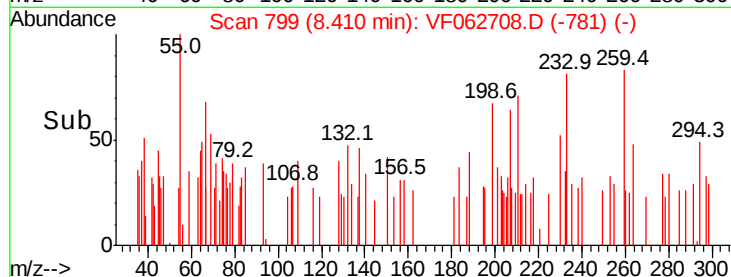
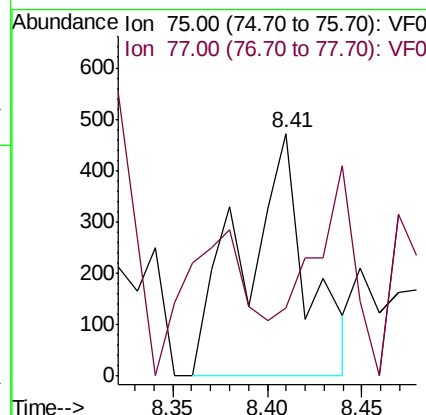
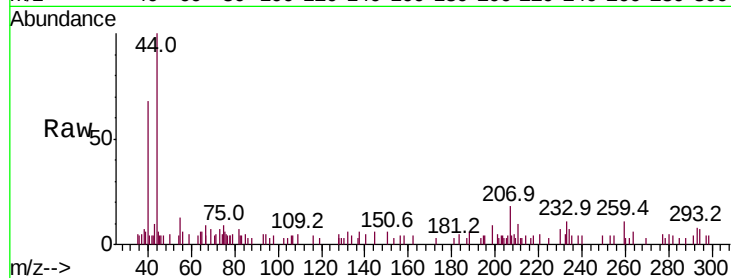




#53
 t-1,3-Dichloropropene
 Concen: 2691.464 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

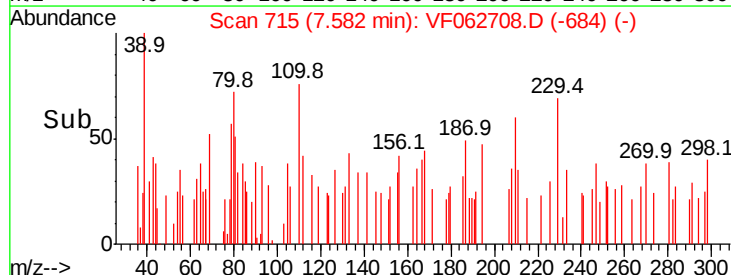
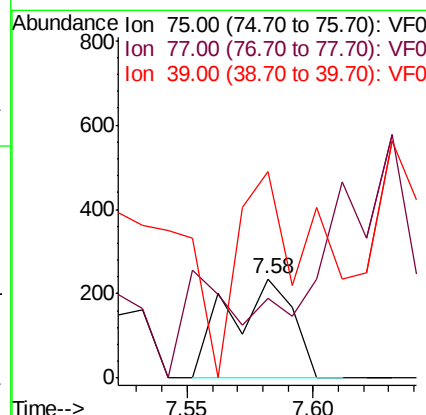
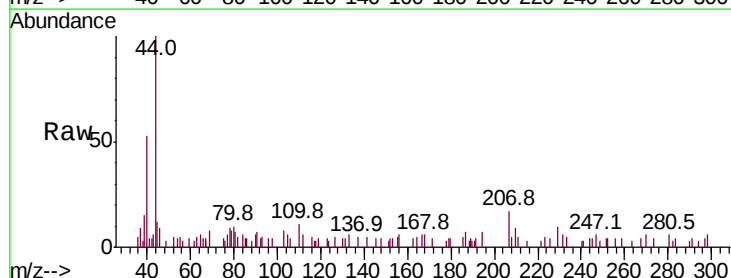
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

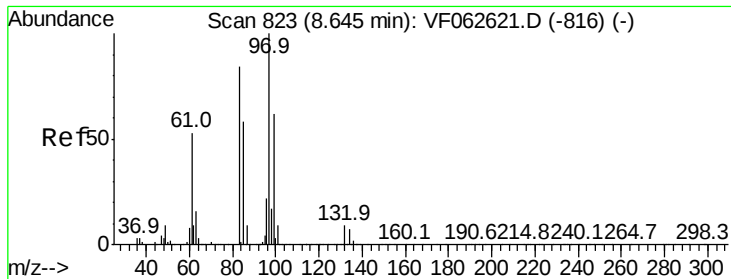
Tot Ion: 75 Resp: 1117
 Ion Ratio Lower Upper
 75 100
 77 28.2 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 719.511 ug/l
 RT: 7.58 min Scan# 715
 Delta R.T. 0.11 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Tgt Ion: 75 Resp: 418
 Ion Ratio Lower Upper
 75 100
 77 79.7 25.3 37.9#
 39 207.2 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 380.646 ug/l

RT: 8.74 min Scan# 833

Delta R.T. 0.10 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

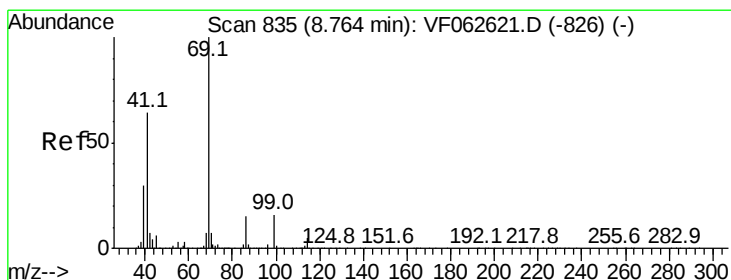
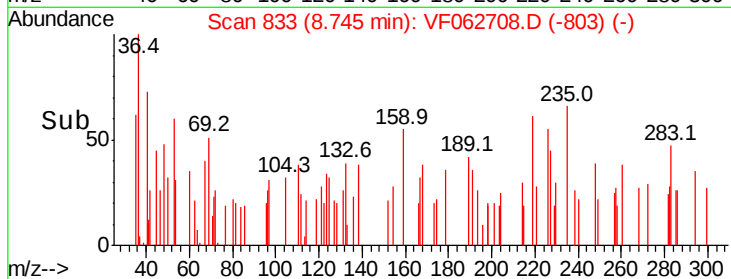
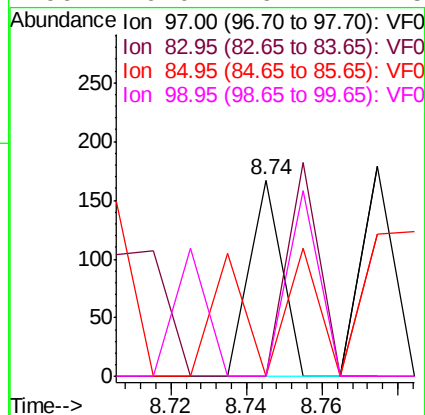
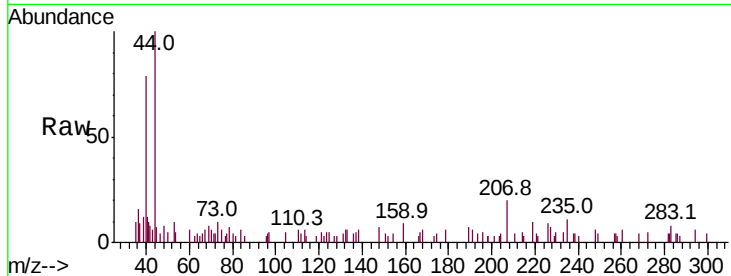
MSVOA_F

ClientSampleId :

OK-01-052119RE

Tot Ion: 97 Resp: 99

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: 2168.738 ug/l

RT: 8.85 min Scan# 844

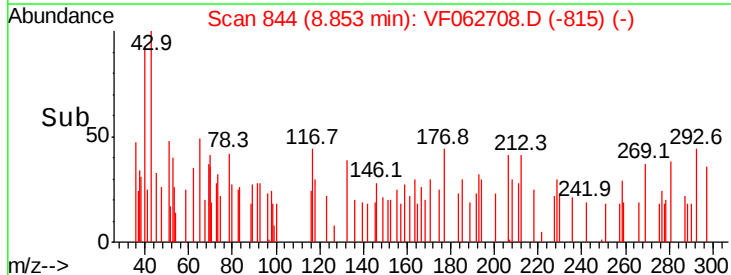
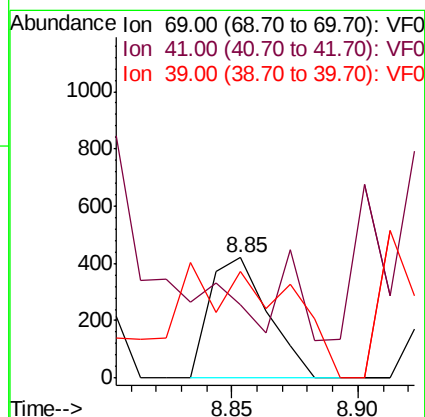
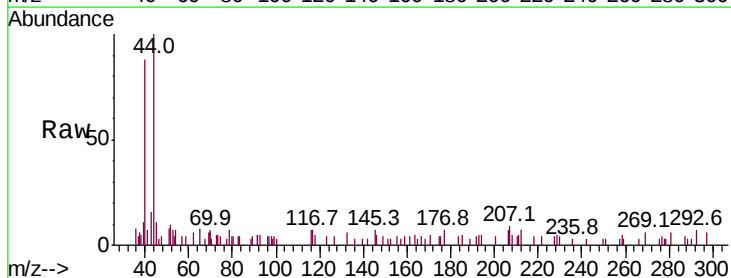
Delta R.T. 0.09 min

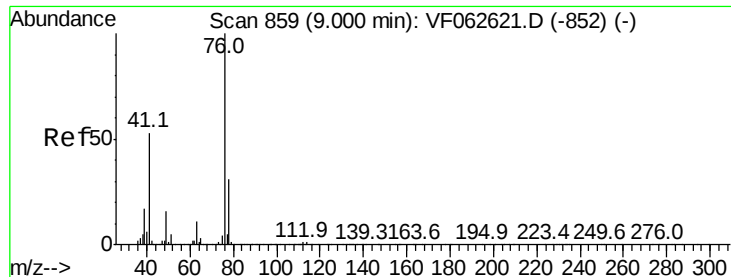
Lab File: VF062708.D

Acq: 22 May 2019 16:22

Tgt Ion: 69 Resp: 672

Ion	Ratio	Lower	Upper
69	100		
41	60.6	51.4	77.2
39	88.6	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 783.294 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.13 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

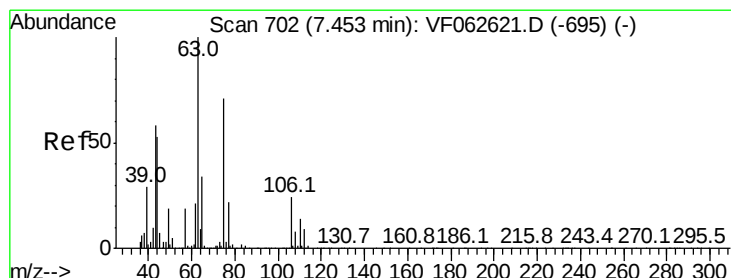
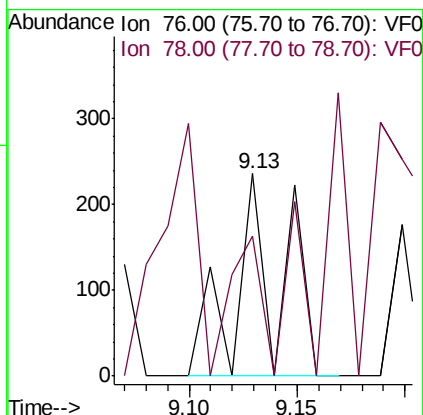
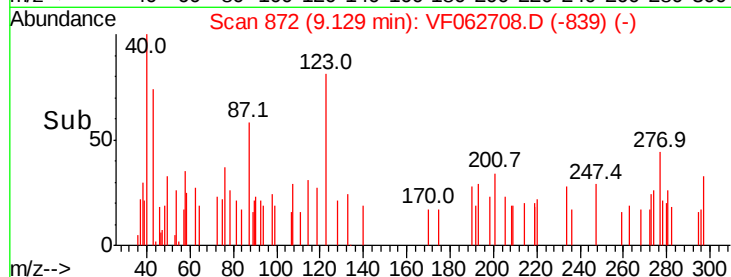
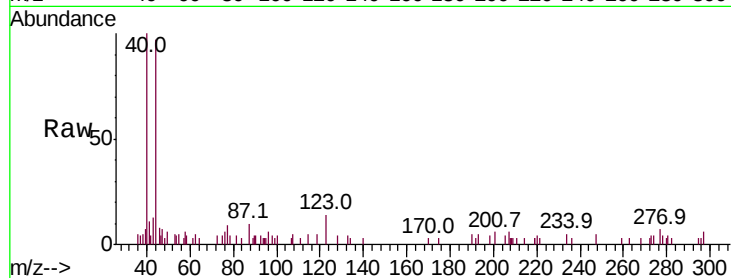
OK-01-052119RE

Tot Ion: 76 Resp: 347

Ion Ratio Lower Upper

76 100

78 69.1 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 922.081 ug/l

RT: 7.53 min Scan# 710

Delta R.T. 0.08 min

Lab File: VF062708.D

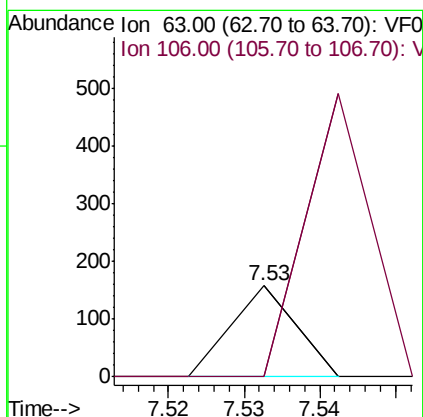
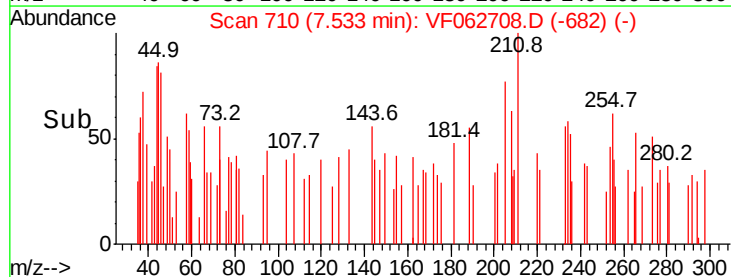
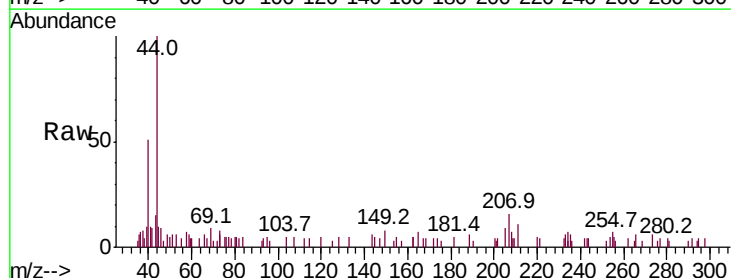
Acq: 22 May 2019 16:22

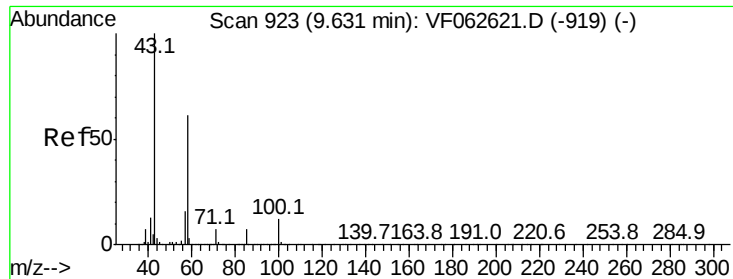
Tgt Ion: 63 Resp: 93

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

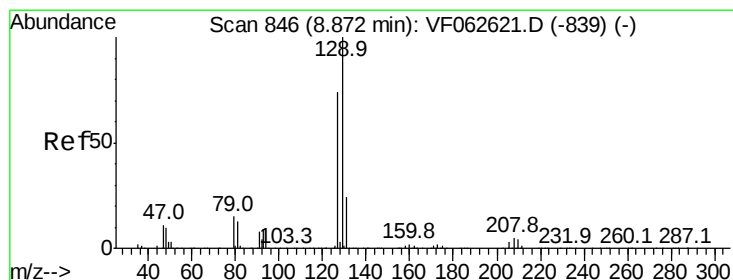
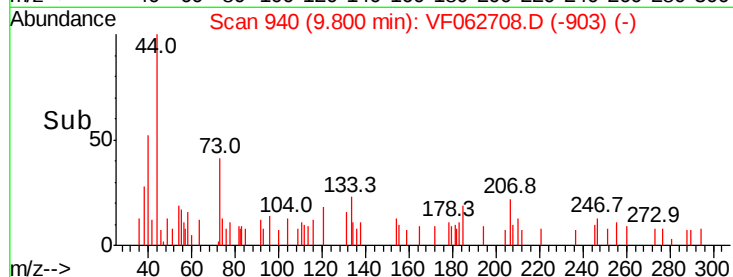
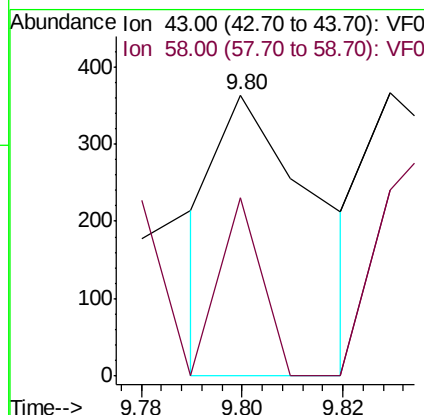
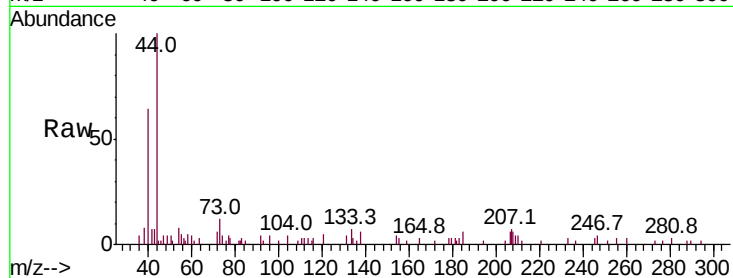




#59
2-Hexanone
Concen: 3636.305 ug/l
RT: 9.80 min Scan# 940
Delta R.T. 0.17 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

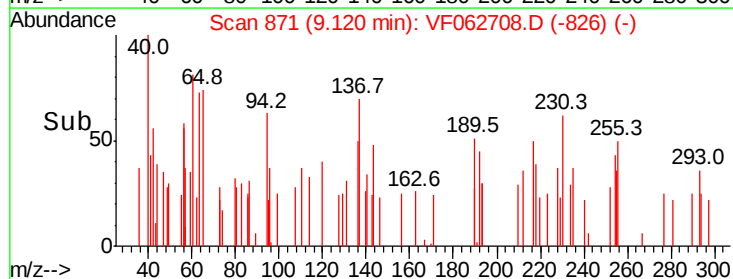
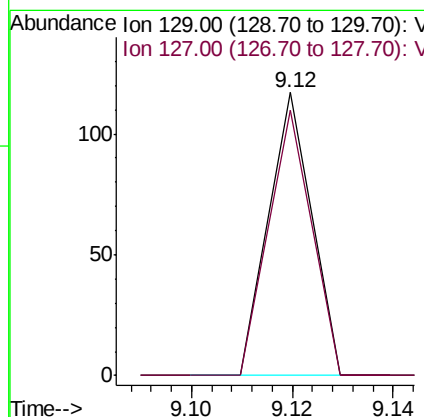
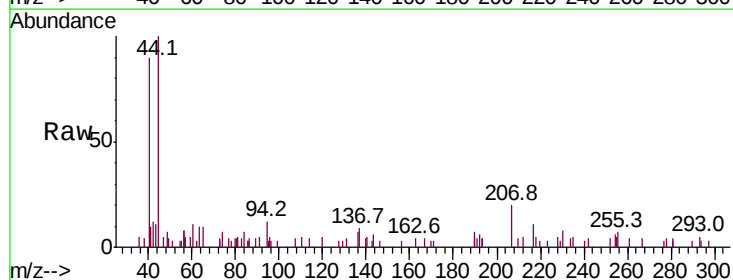
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

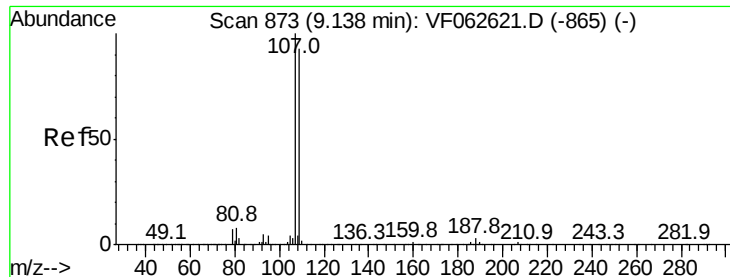
Tot Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 63.4 28.1 84.4



#60
Dibromochloromethane
Concen: 203.556 ug/l
RT: 9.12 min Scan# 871
Delta R.T. 0.25 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 129 Resp: 69
Ion Ratio Lower Upper
129 100
127 94.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 705.886 ug/l

RT: 9.26 min Scan# 885

Delta R.T. 0.12 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

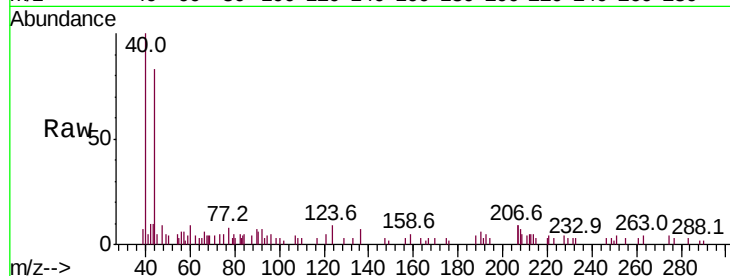
OK-01-052119RE

Tot Ion: 107 Resp: 195

Ion Ratio Lower Upper

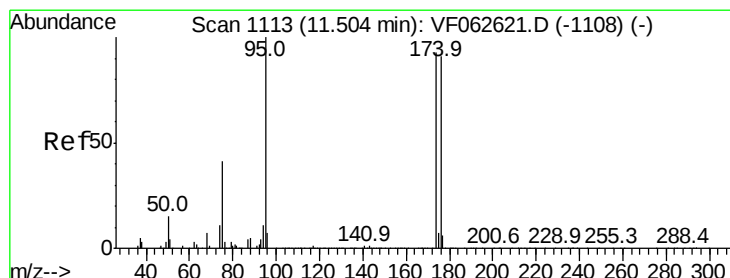
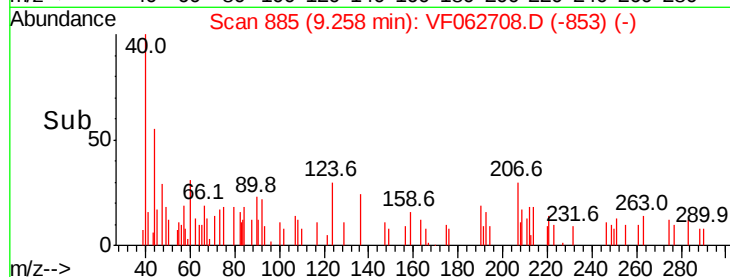
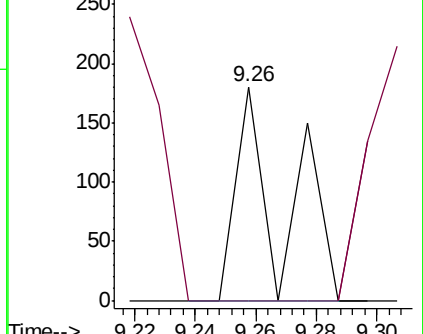
107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 851.459 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. 0.14 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

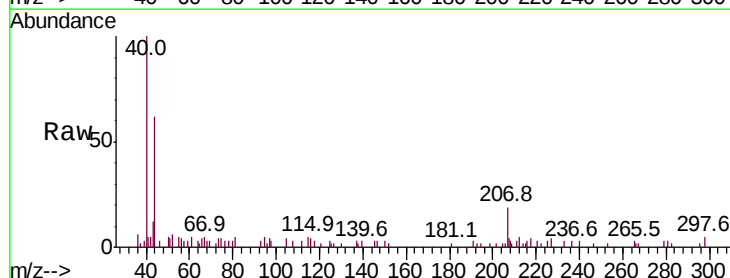
Tgt Ion: 95 Resp: 354

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

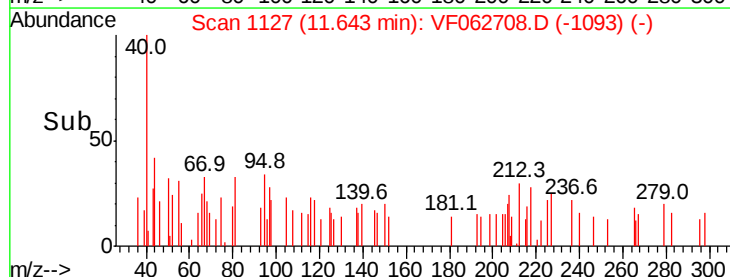
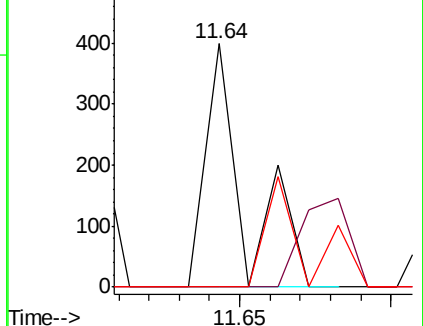
176 0.0 0.0 182.4



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

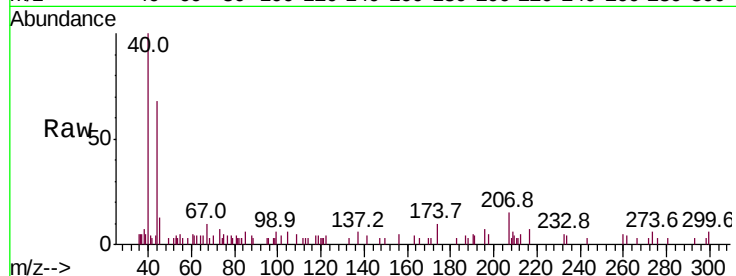




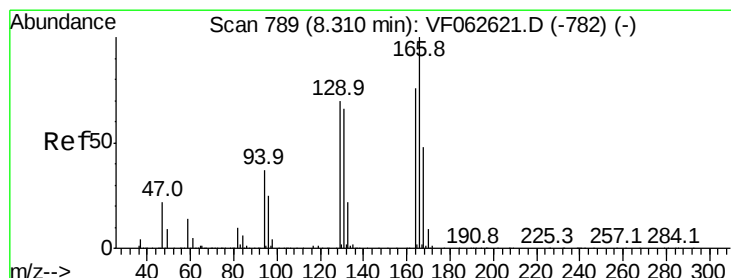
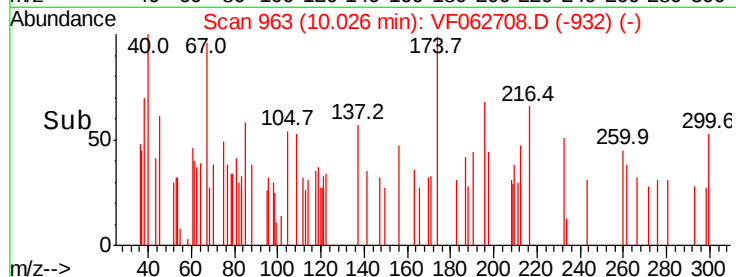
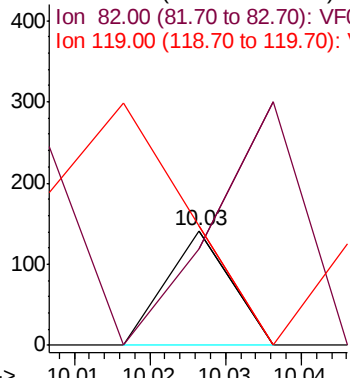
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.03 min Scan# 963
Delta R.T. 0.11 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

Tot Ion:117 Resp: 83
Ion Ratio Lower Upper
117 100
82 84.4 43.3 64.9#
119 104.3 27.4 41.0#

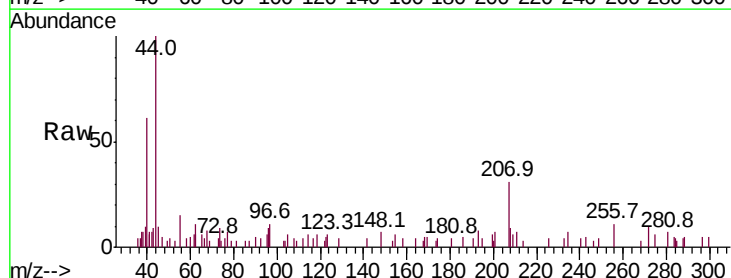


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

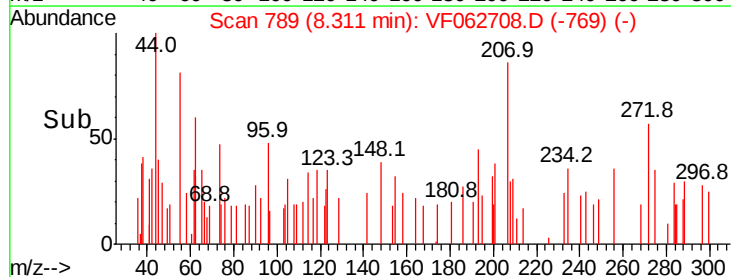
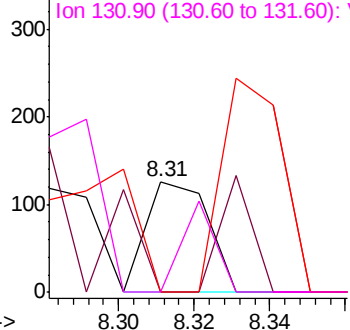


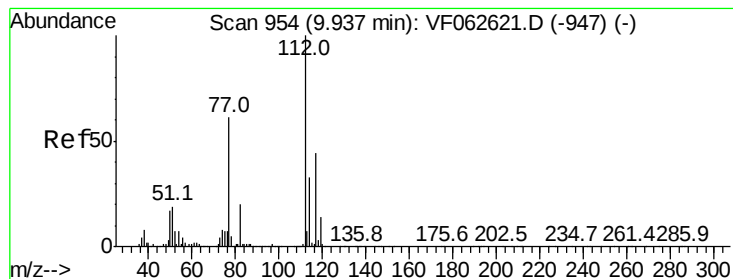
#64
Tetrachloroethene
Concen: 214.433 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion:164 Resp: 141
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#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 127.592 ug/l

RT: 9.81 min Scan# 941

Delta R.T. -0.13 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

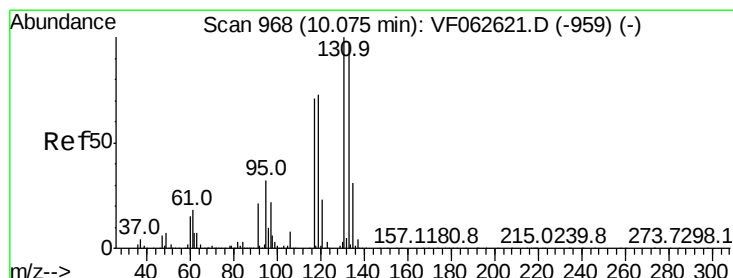
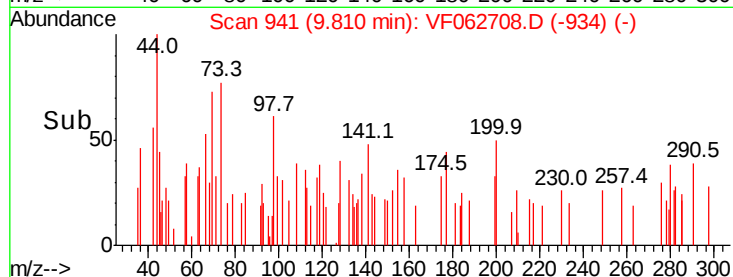
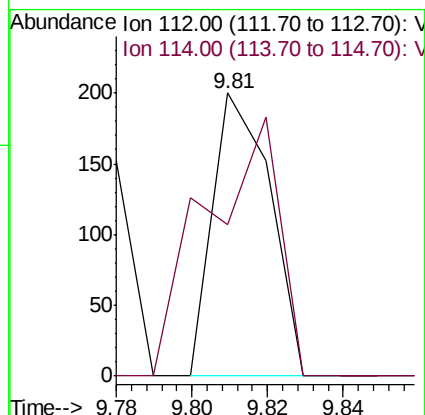
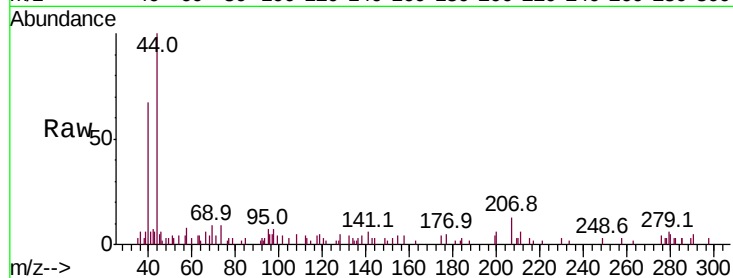
OK-01-052119RE

Tot Ion:112 Resp: 208

Ion Ratio Lower Upper

112 100

114 30.5 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 163.499 ug/l

RT: 10.01 min Scan# 961

Delta R.T. -0.07 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

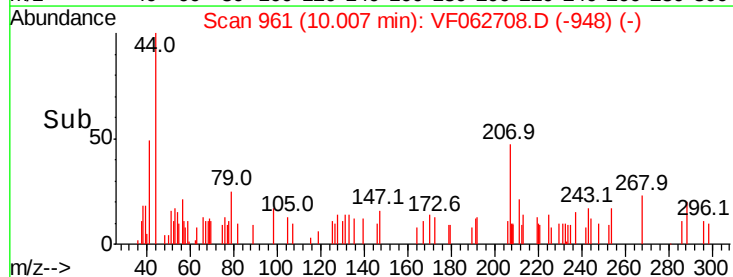
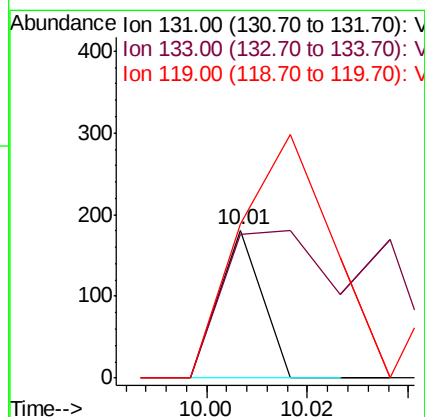
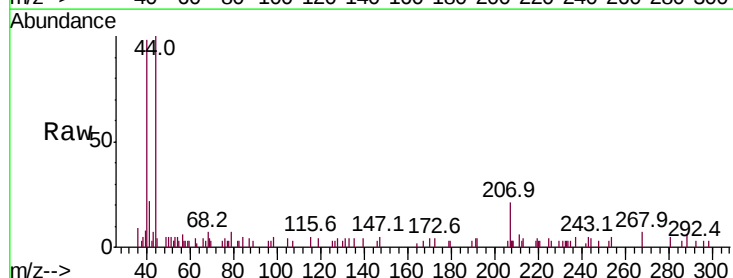
Tgt Ion:131 Resp: 107

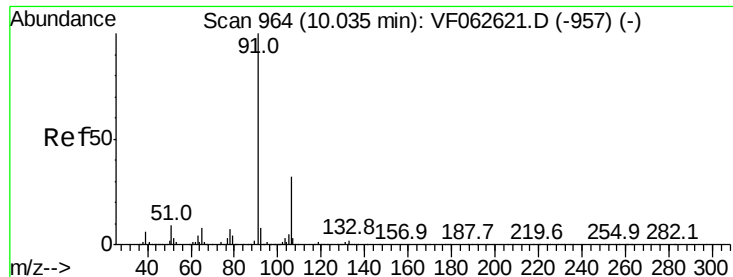
Ion Ratio Lower Upper

131 100

133 97.2 48.5 145.5

119 103.9 36.8 110.4

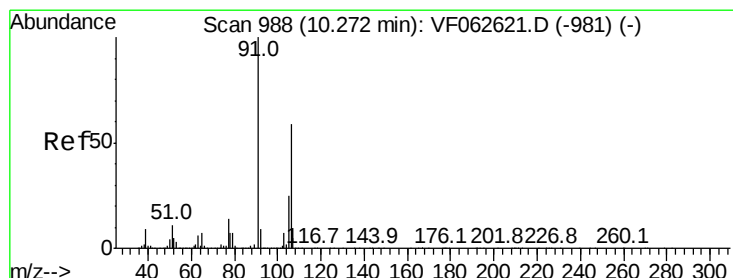
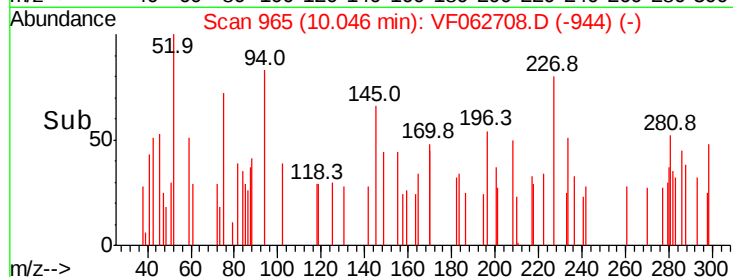
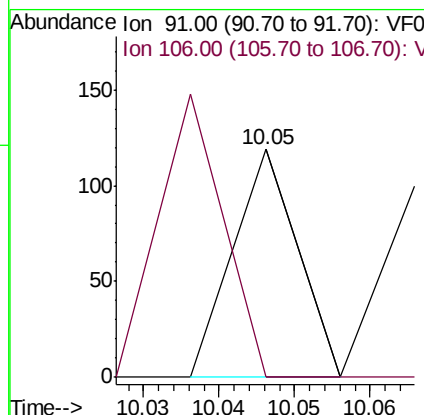
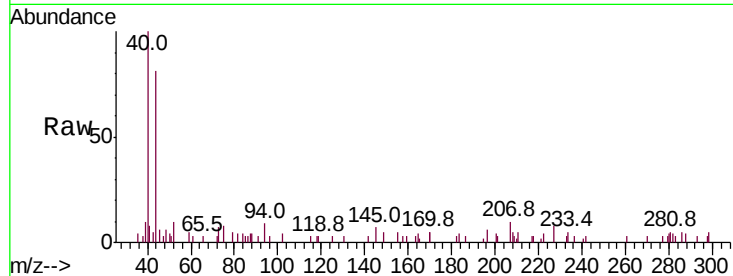




#67
Ethyl Benzene
Concen: 24.717 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

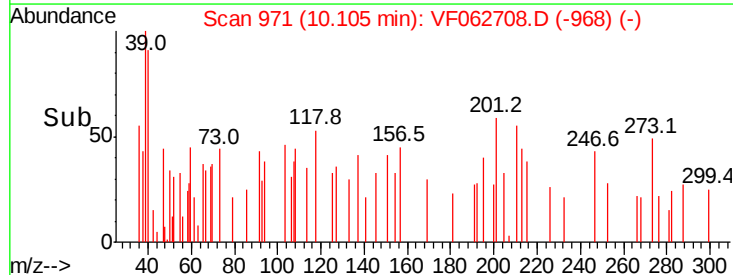
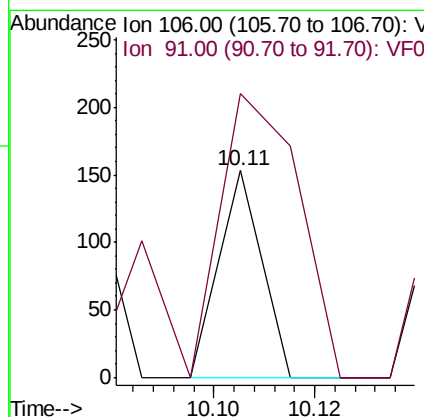
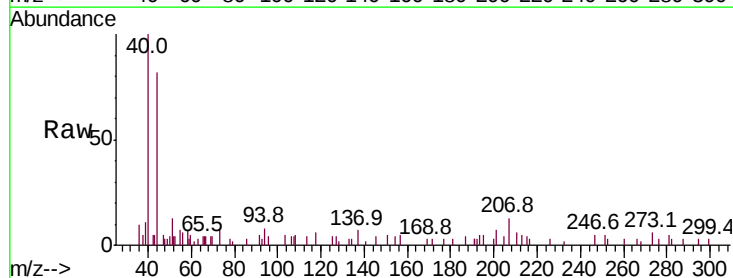
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

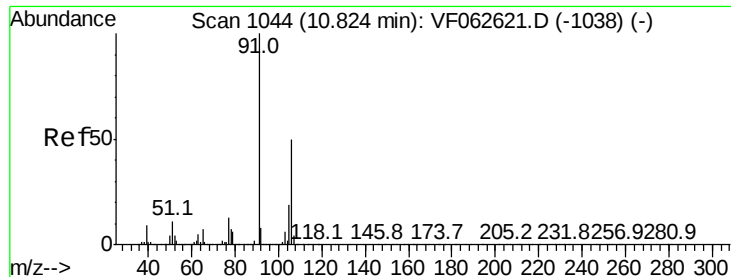
Tot Ion: 91 Resp: 70
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#



#68
m/p-Xylenes
Concen: 85.495 ug/l
RT: 10.11 min Scan# 971
Delta R.T. -0.17 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion: 106 Resp: 91
Ion Ratio Lower Upper
106 100
91 137.3 136.9 205.3

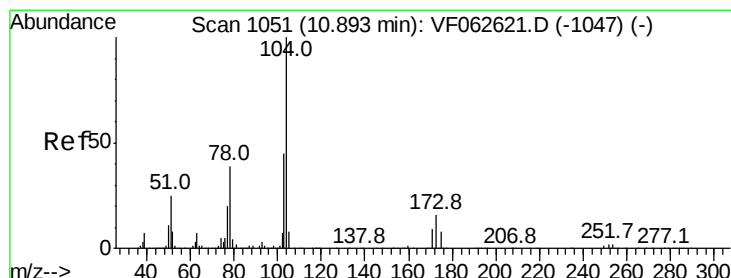
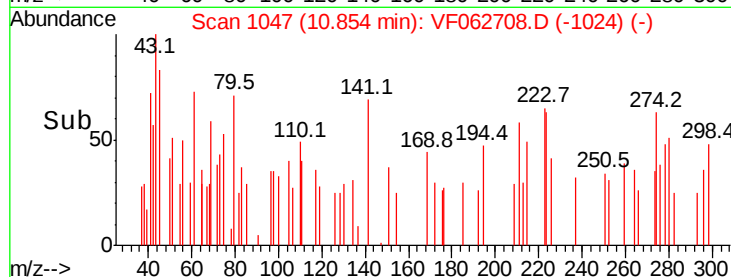
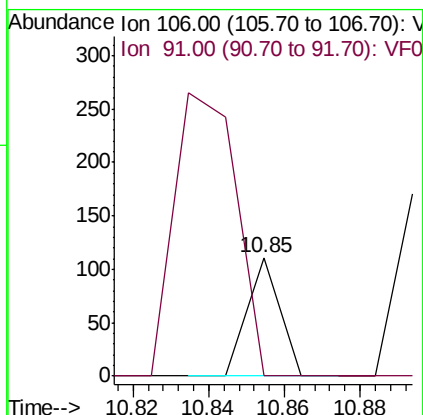
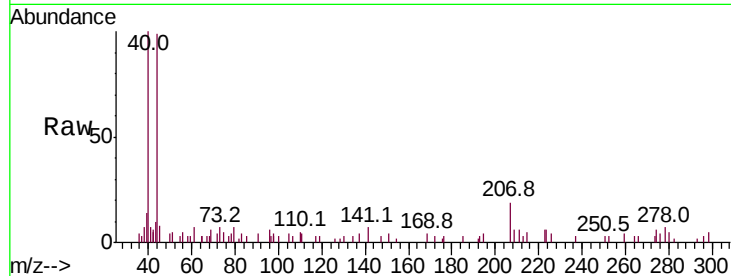




#69
o-Xylene
Concen: 60.201 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.03 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

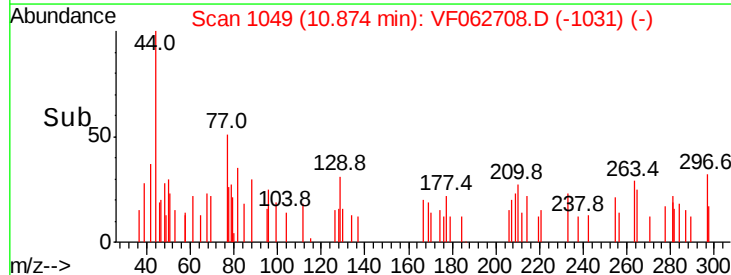
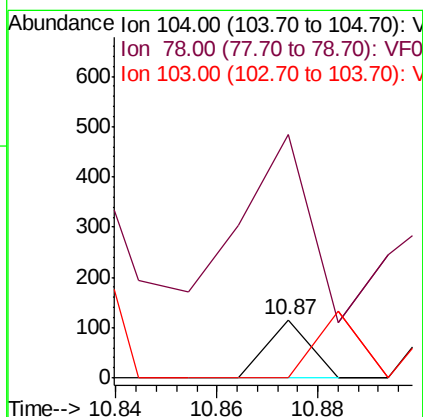
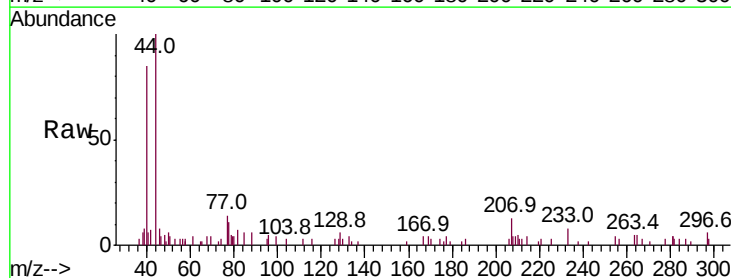
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

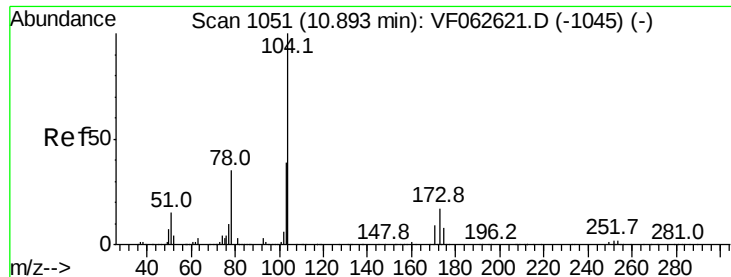
Tot Ion:106 Resp: 66
Ion Ratio Lower Upper
106 100
91 0.0 100.2 300.5#



#70
Styrene
Concen: 41.408 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion:104 Resp: 69
Ion Ratio Lower Upper
104 100
78 417.2 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 210.515 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

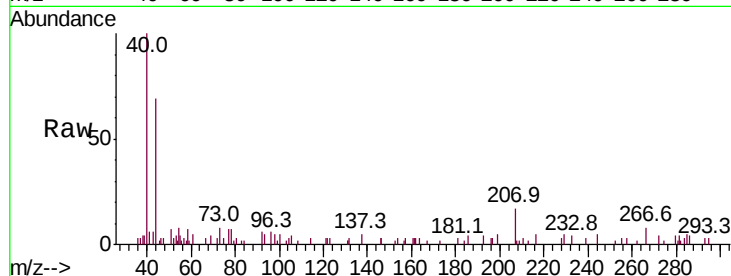
Tot Ion:173 Resp: 69

Ion Ratio Lower Upper

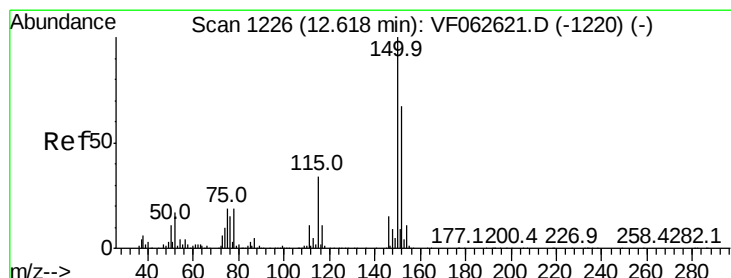
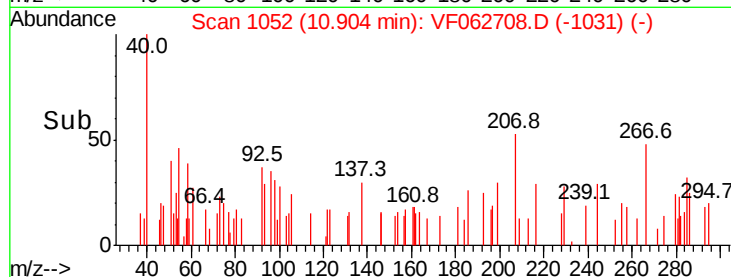
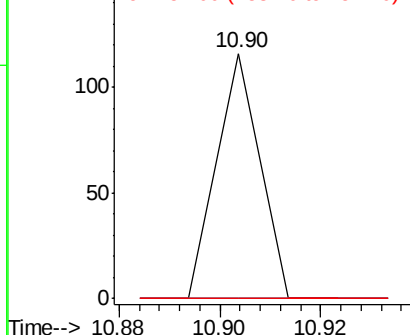
173 100

175 0.0 25.3 75.9#

254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.72 min Scan# 1236

Delta R.T. 0.10 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

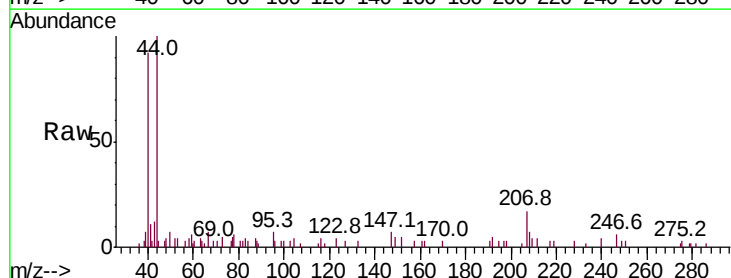
Tgt Ion:152 Resp: 145

Ion Ratio Lower Upper

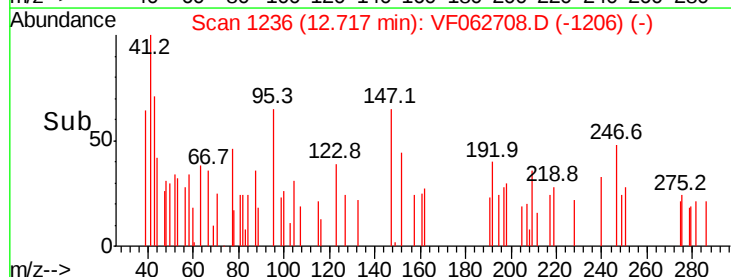
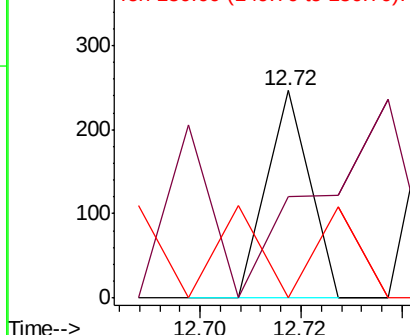
152 100

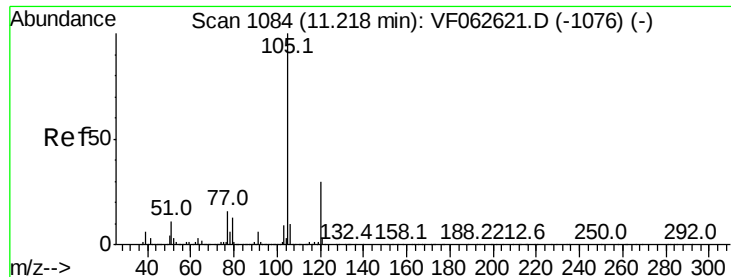
115 48.8 25.2 75.6

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: 23.479 ug/l

RT: 11.19 min Scan# 1081

Delta R.T. -0.03 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

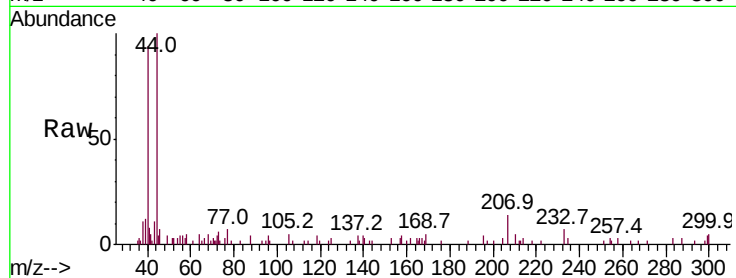
OK-01-052119RE

Tot Ion:105 Resp: 244

Ion Ratio Lower Upper

105 100

120 36.7 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.19

300

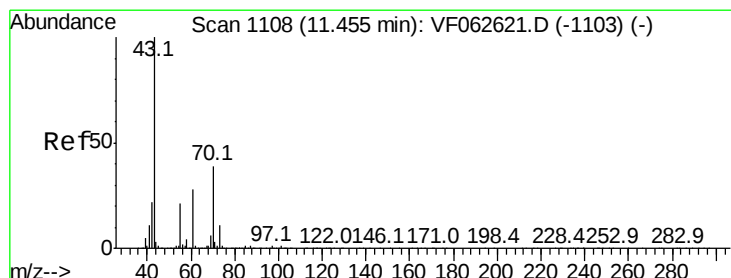
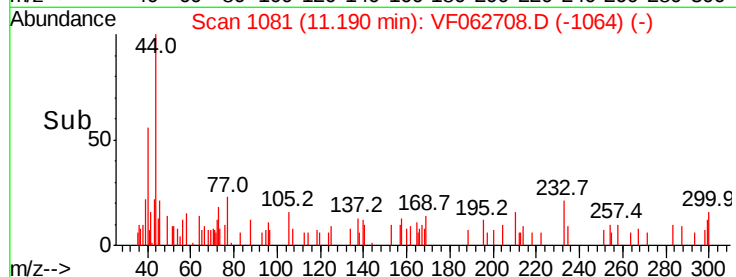
200

100

0

Time--> 11.15

11.20



#74

N-ethyl acetate

Concen: 101.208 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Tgt Ion: 43 Resp: 253

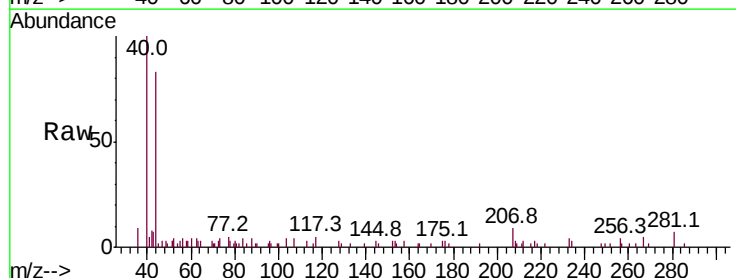
Ion Ratio Lower Upper

43 100

70 73.1 30.9 46.3#

55 43.7 17.0 25.4#

61 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

1000

800

600

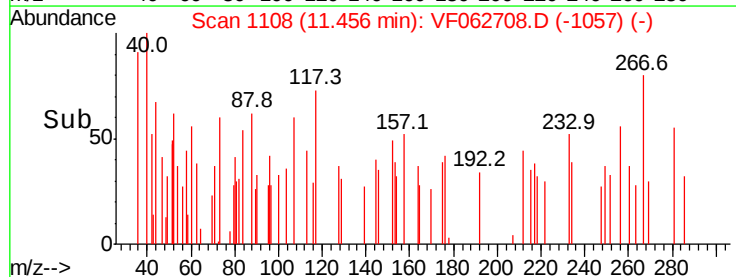
400

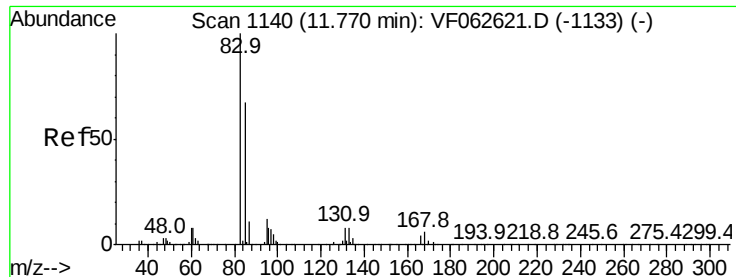
200

0

Time--> 11.45

11.46





#75

1,1,2,2-Tetrachloroethane

Concen: 151.613 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

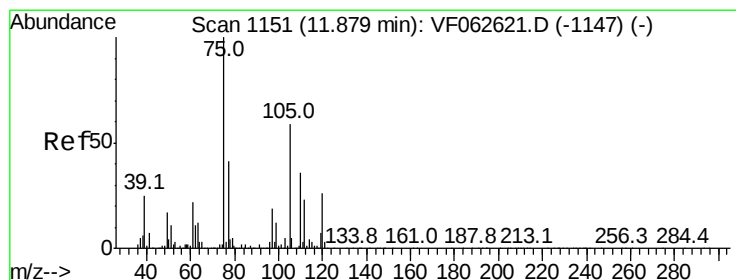
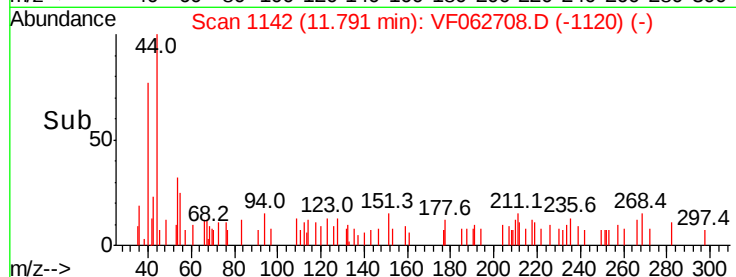
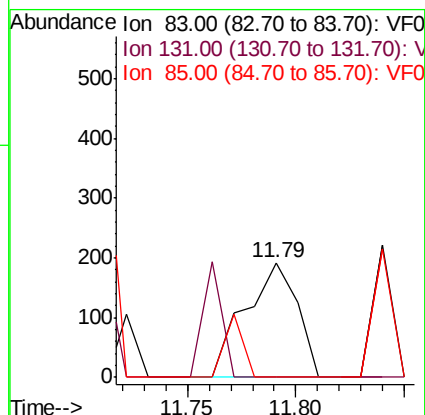
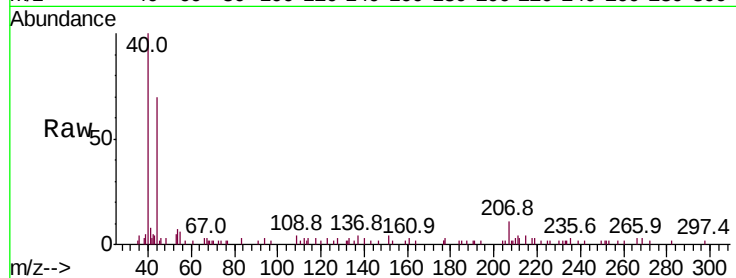
Tot Ion: 83 Resp: 322

Ion Ratio Lower Upper

83 100

131 61.5 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 179.149 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. -0.16 min

Lab File: VF062708.D

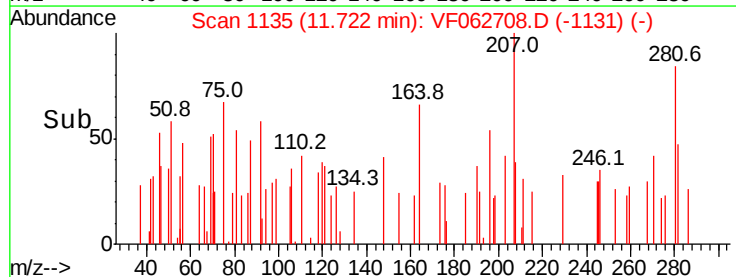
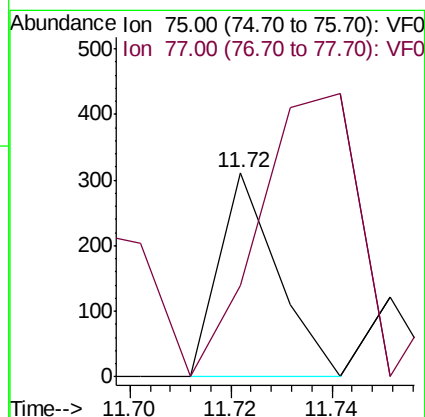
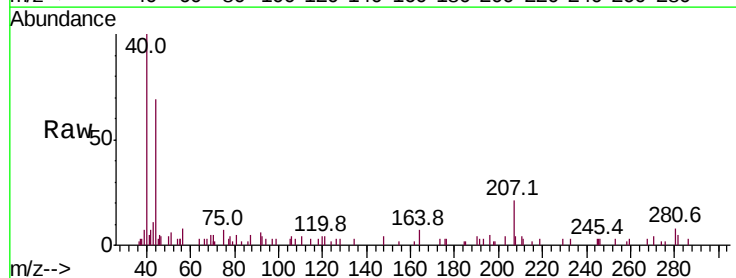
Acq: 22 May 2019 16:22

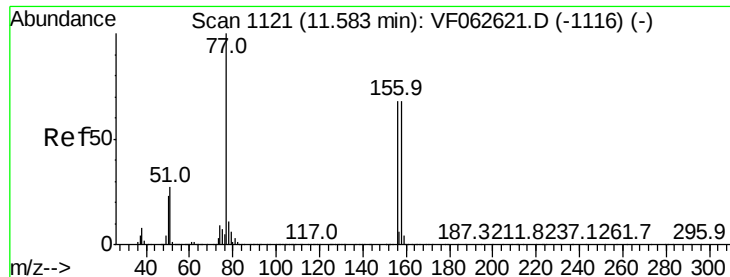
Tgt Ion: 75 Resp: 250

Ion Ratio Lower Upper

75 100

77 44.6 20.6 61.8





#77

Bromobenzene

Concen: 75.487 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

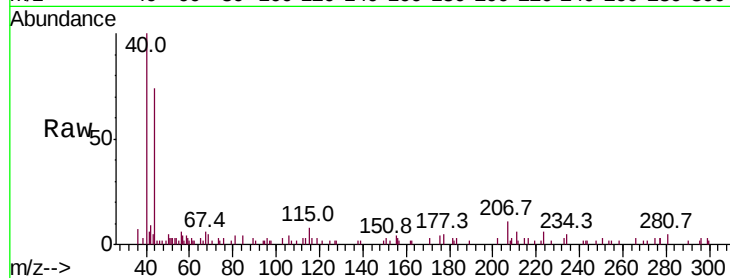
Tot Ion:156 Resp: 195

Ion Ratio Lower Upper

156 100

77 0.0 73.6 220.8#

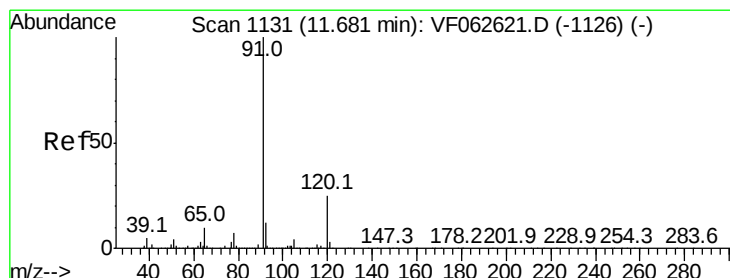
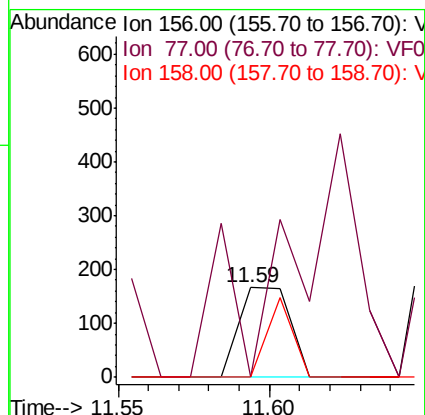
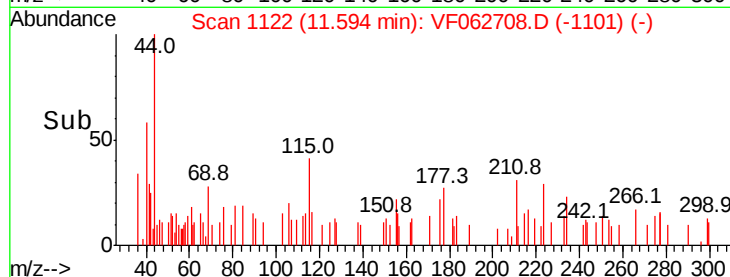
158 0.0 49.6 148.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.126 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.12 min

Lab File: VF062708.D

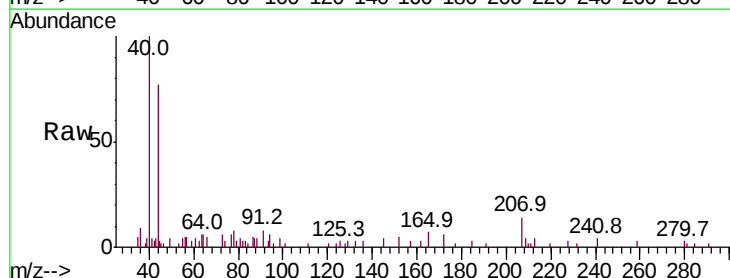
Acq: 22 May 2019 16:22

Tgt Ion: 91 Resp: 678

Ion Ratio Lower Upper

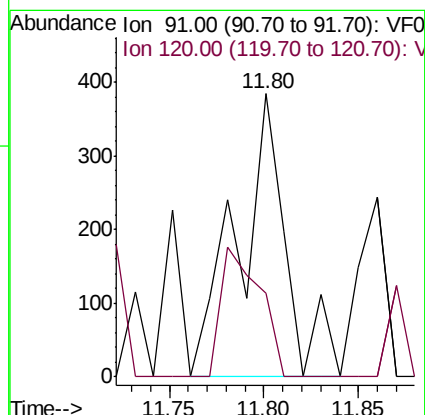
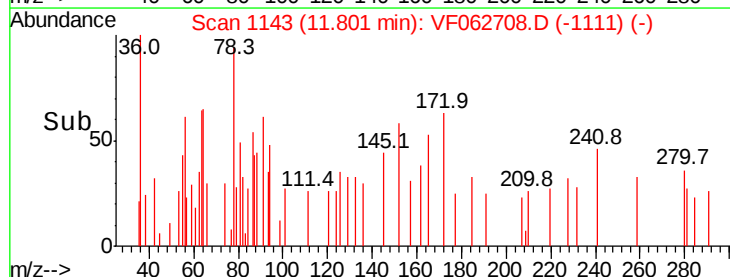
91 100

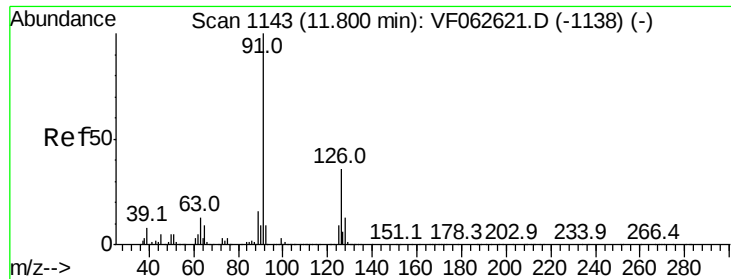
120 29.4 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

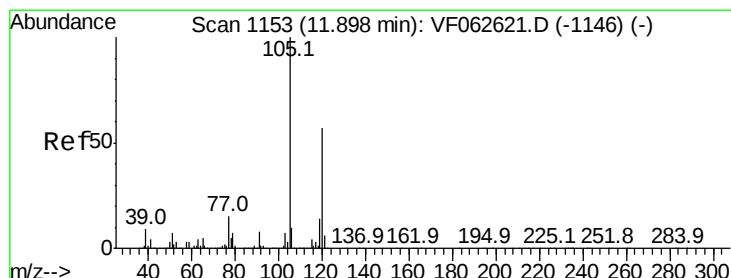
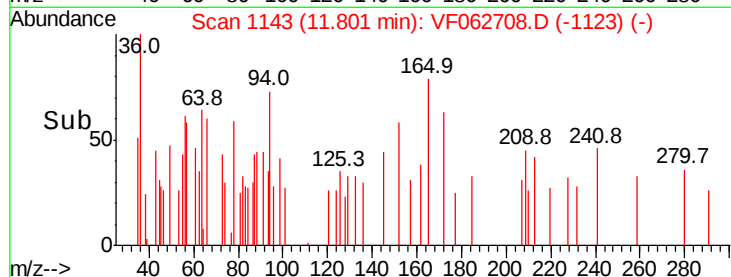
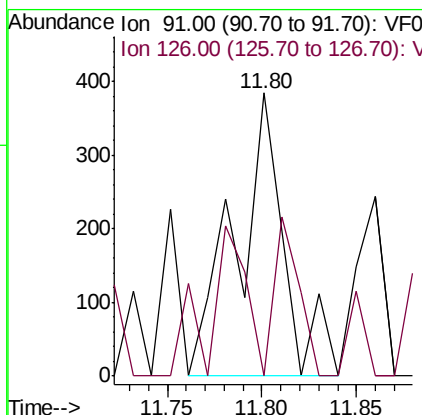
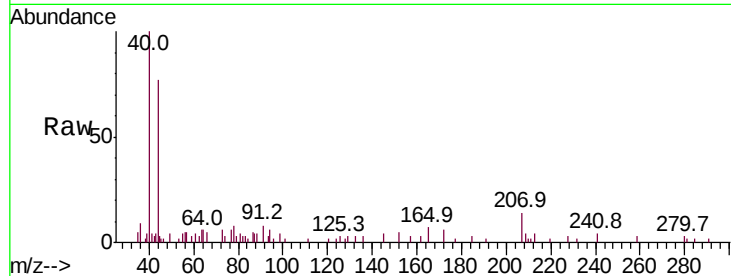




#79
2-Chlorotoluene
Concen: 97.817 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

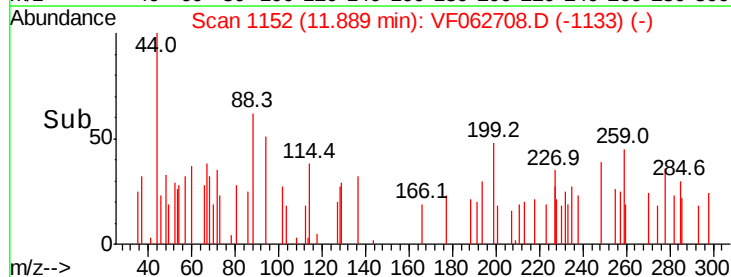
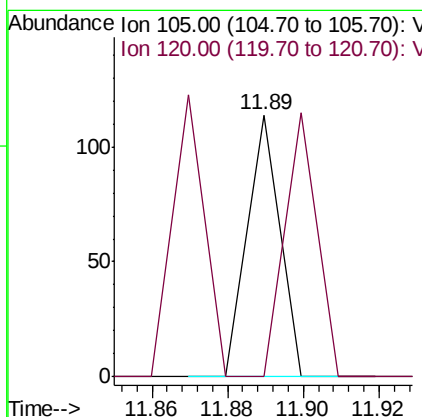
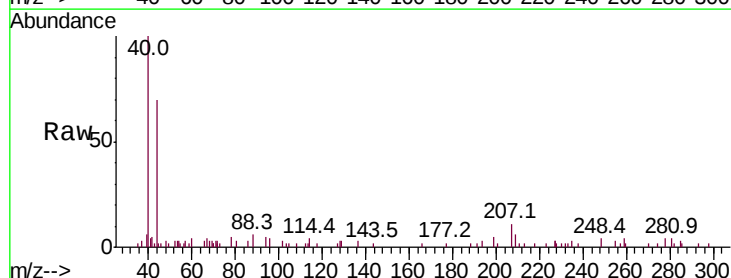
Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

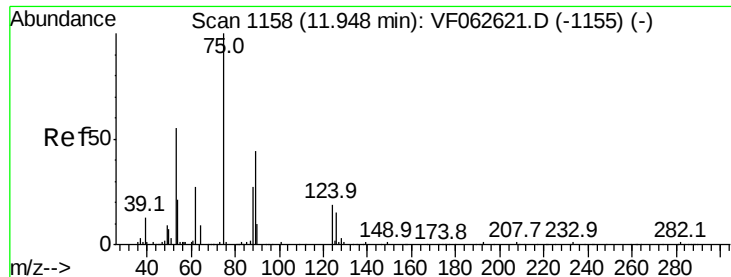
Tot Ion: 91 Resp: 678
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.4#



#80
1,3,5-Trimethylbenzene
Concen: 8.040 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF062708.D
Acq: 22 May 2019 16:22

Tgt Ion:105 Resp: 67
Ion Ratio Lower Upper
105 100
120 0.0 28.7 86.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 222.472 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

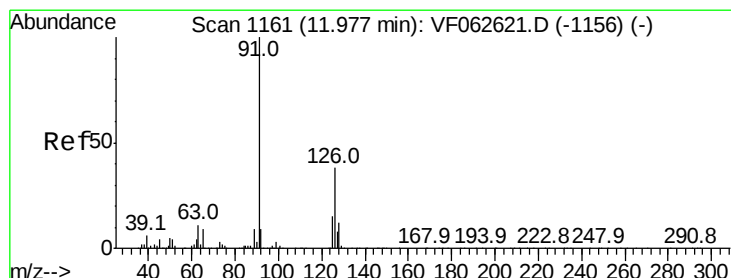
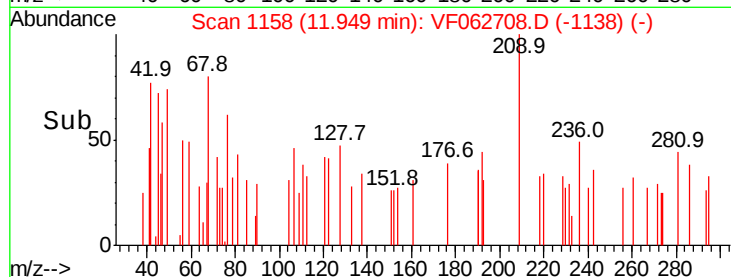
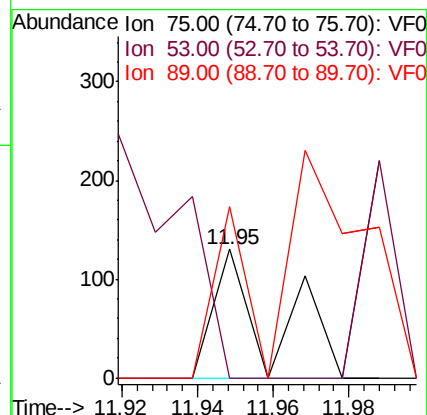
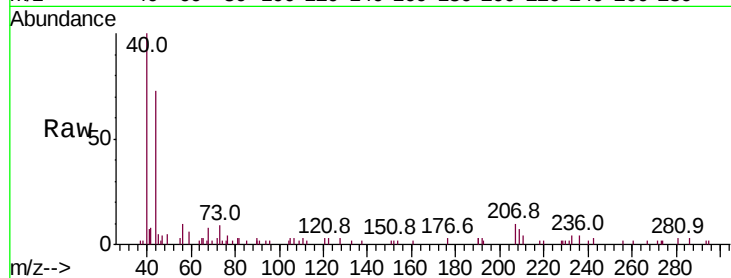
Tot Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 133.1 36.4 54.6#



#82

4-Chlorotoluene

Concen: 59.398 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.03 min

Lab File: VF062708.D

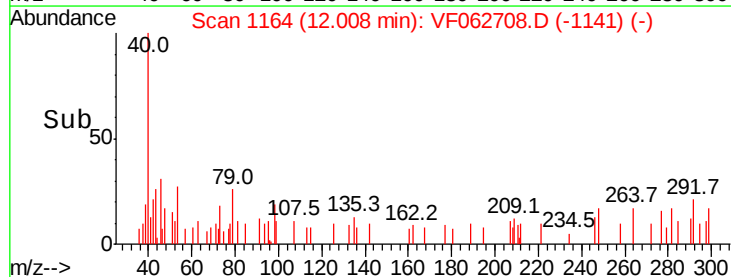
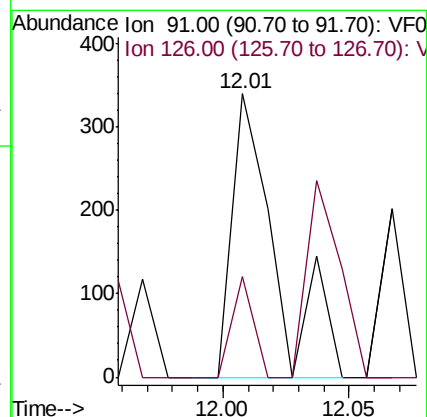
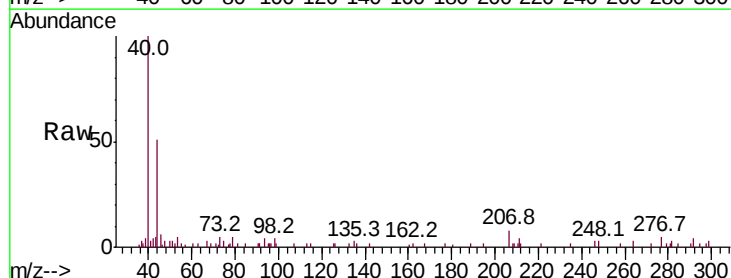
Acq: 22 May 2019 16:22

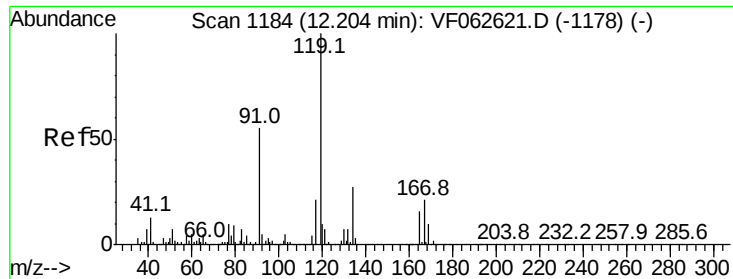
Tgt Ion: 91 Resp: 406

Ion Ratio Lower Upper

91 100

126 35.4 19.1 57.1

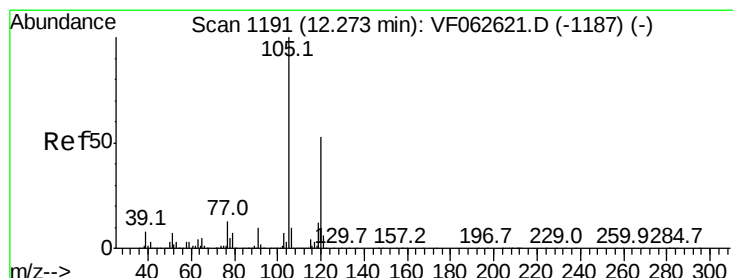
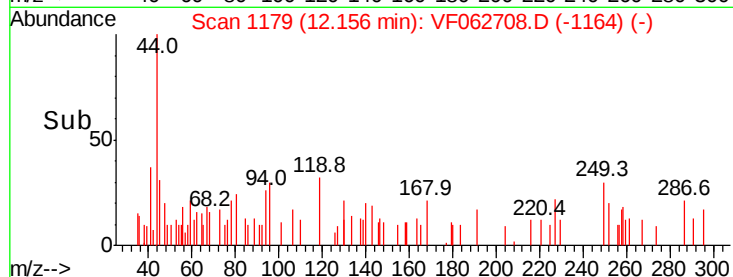
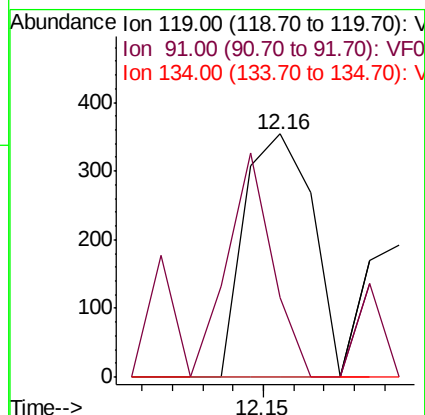
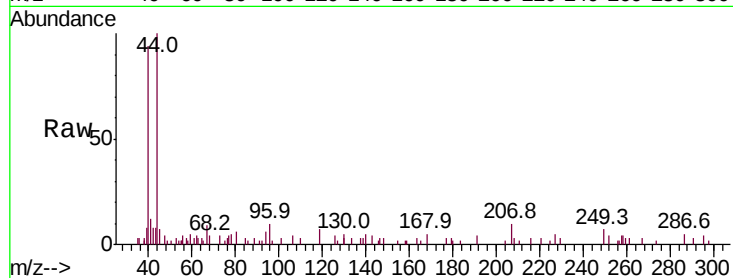




#83
 tert-Butylbenzene
 Concen: 65.055 ug/l
 RT: 12.16 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

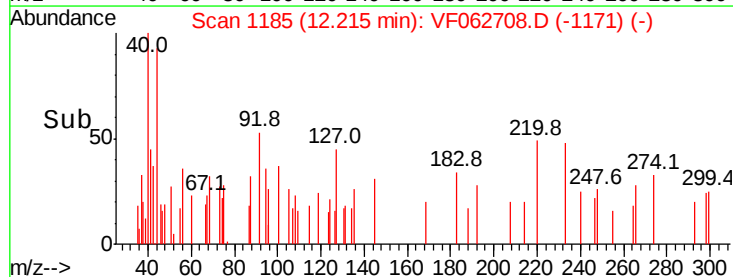
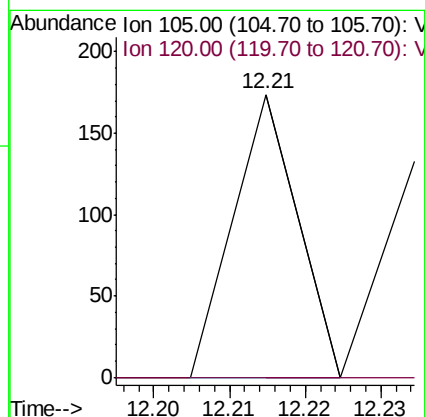
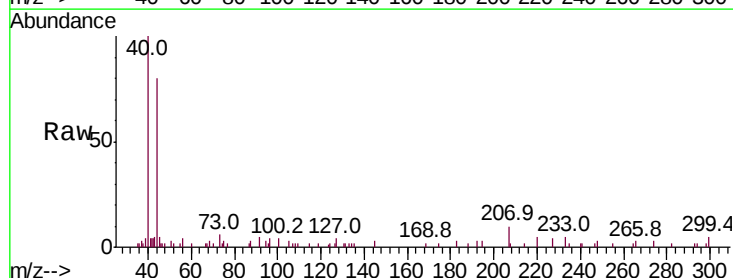
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

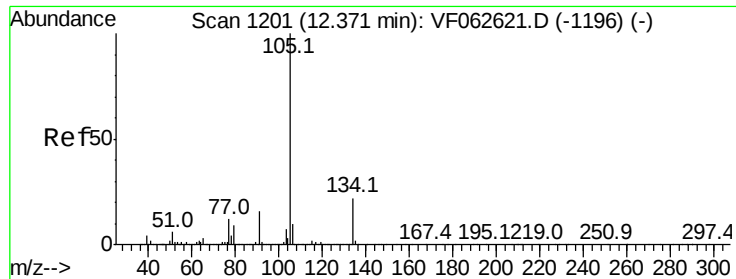
Tot Ion:119 Resp: 550
 Ion Ratio Lower Upper
 119 100
 91 32.8 27.3 81.9
 134 0.0 13.6 40.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 12.771 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.06 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Tgt Ion:105 Resp: 103
 Ion Ratio Lower Upper
 105 100
 120 0.0 26.7 80.1#

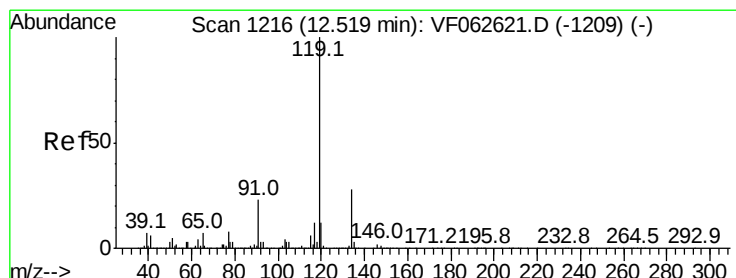
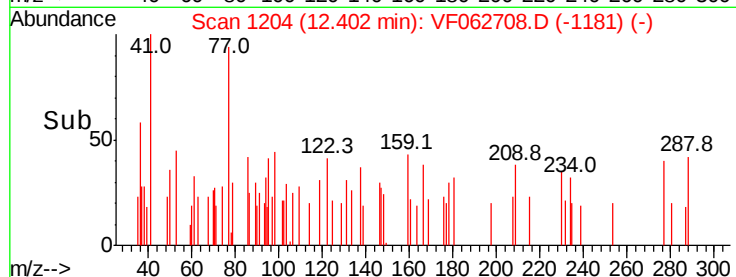
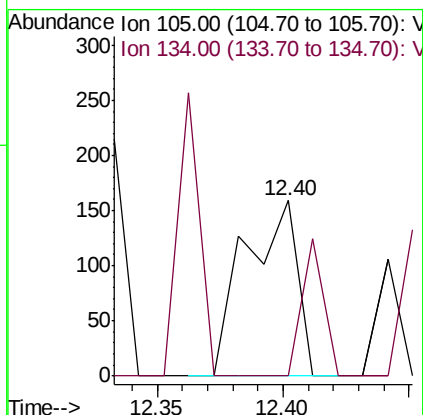
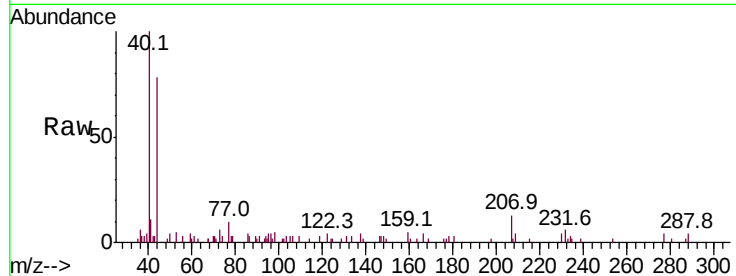




#85
 sec-Butylbenzene
 Concen: 20.184 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

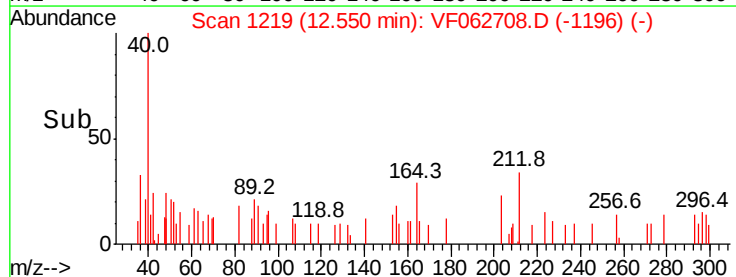
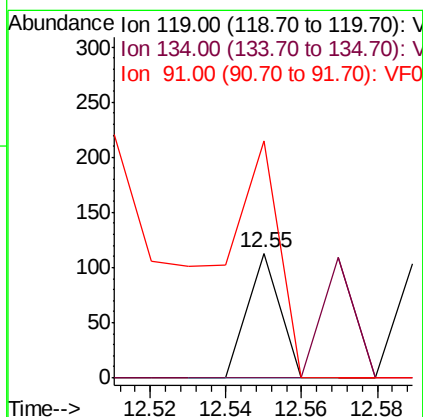
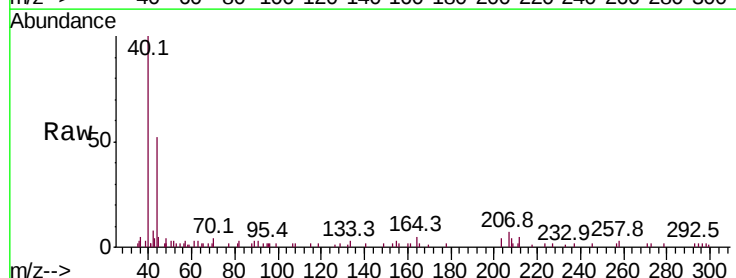
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

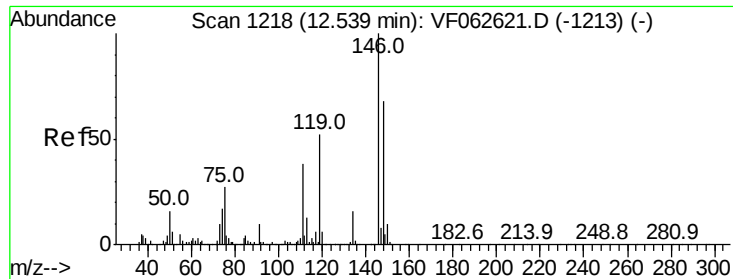
Tot Ion:105 Resp: 229
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 7.007 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.03 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

Tgt Ion:119 Resp: 67
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 190.3 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 40.654 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.02 min

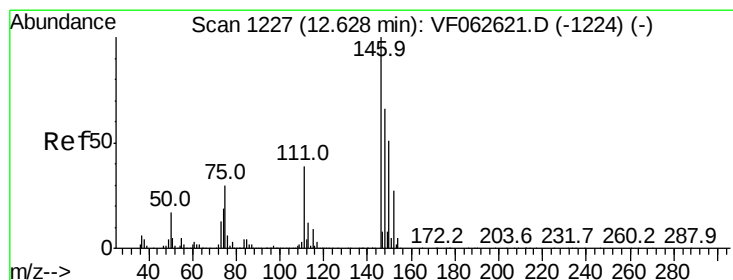
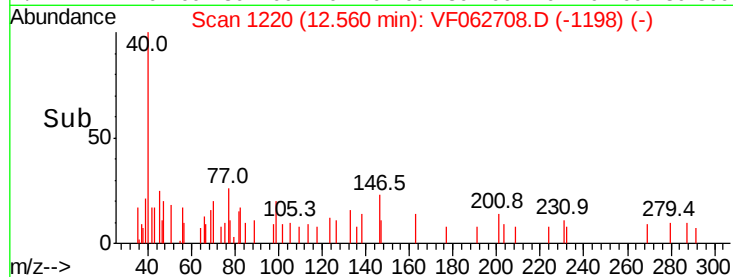
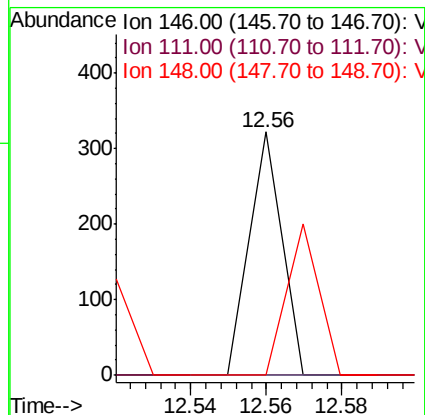
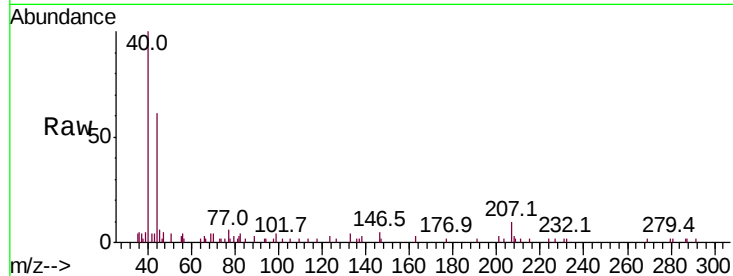
Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :
MSVOA_F
ClientSampleId :
OK-01-052119RE

Tot Ion:146 Resp: 190

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: 18.697 ug/l

RT: 12.62 min Scan# 1226

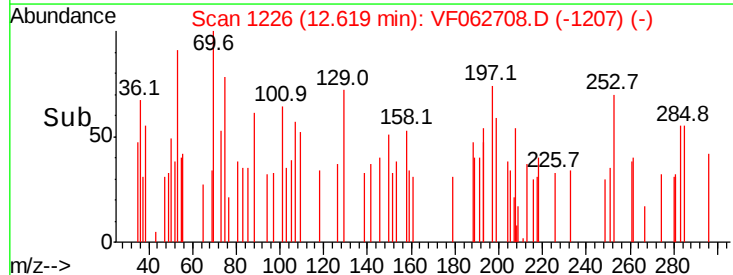
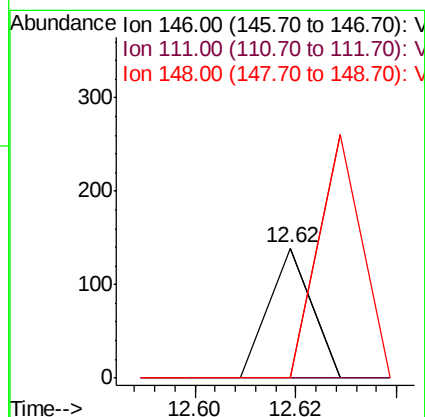
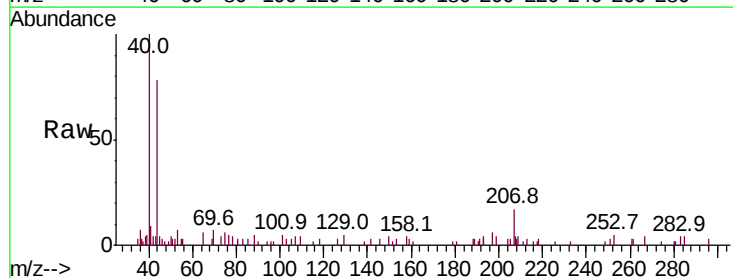
Delta R.T. -0.01 min

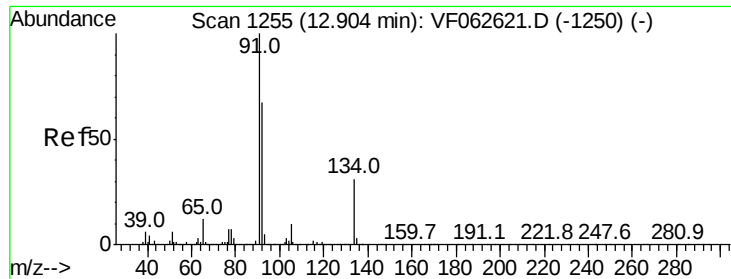
Lab File: VF062708.D

Acq: 22 May 2019 16:22

Tgt Ion:146 Resp: 82

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





#89

n-Butylbenzene

Concen: 7.849 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

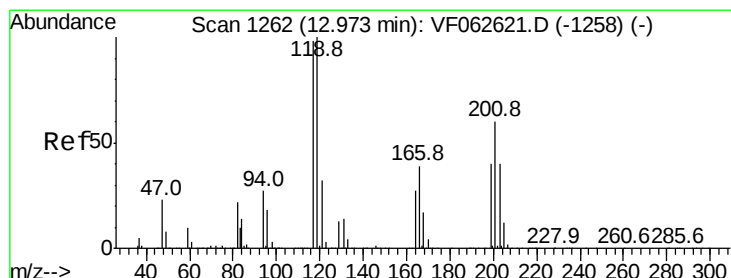
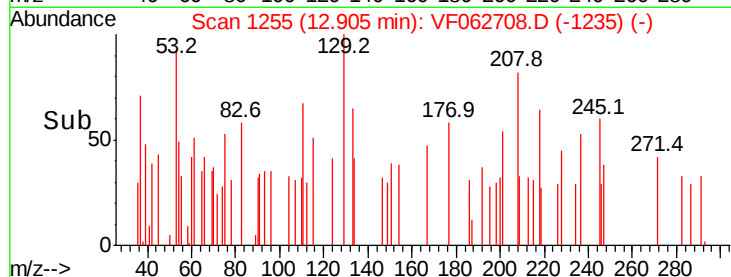
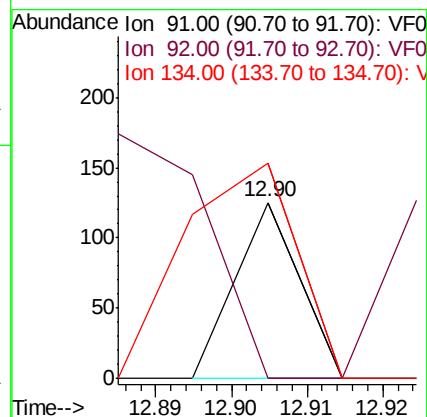
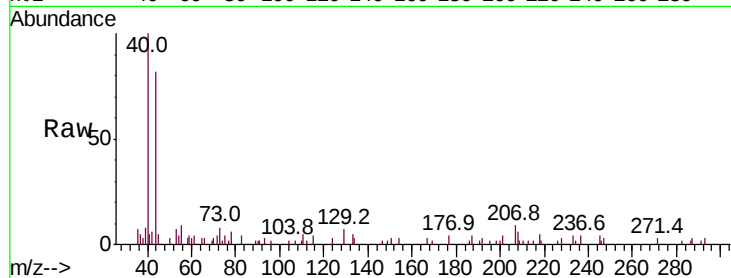
Tot Ion: 91 Resp: 74

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 122.4 15.4 46.4#



#90

Hexachloroethane

Concen: 84.578 ug/l

RT: 13.11 min Scan# 1276

Delta R.T. 0.14 min

Lab File: VF062708.D

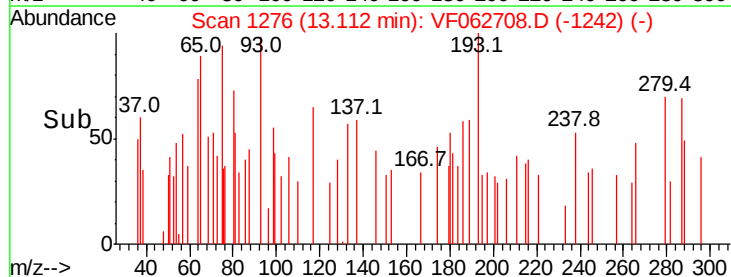
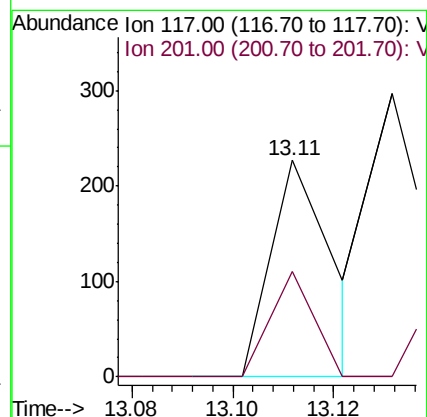
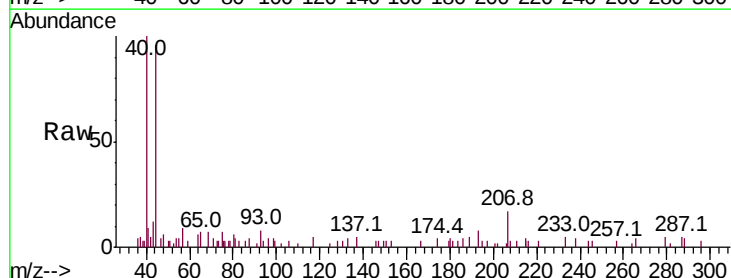
Acq: 22 May 2019 16:22

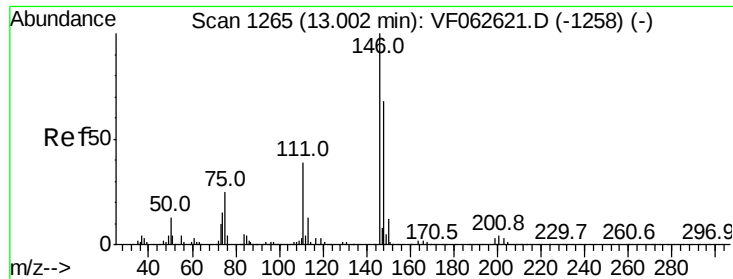
Tgt Ion: 117 Resp: 194

Ion Ratio Lower Upper

117 100

201 48.5 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 18.243 ug/l

RT: 13.07 min Scan# 1272

Delta R.T. 0.07 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

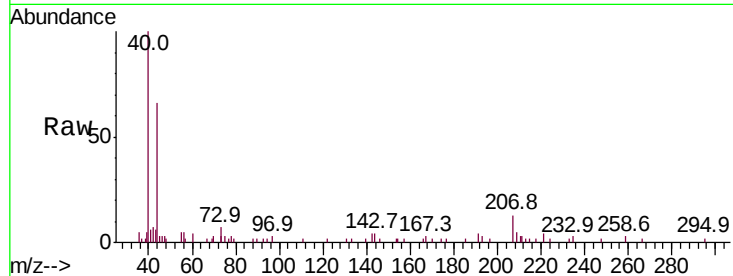
Tot Ion:146 Resp: 76

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

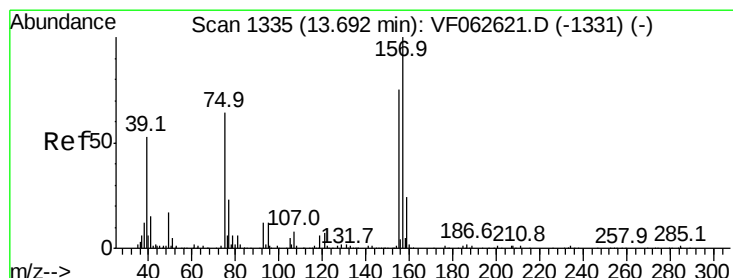
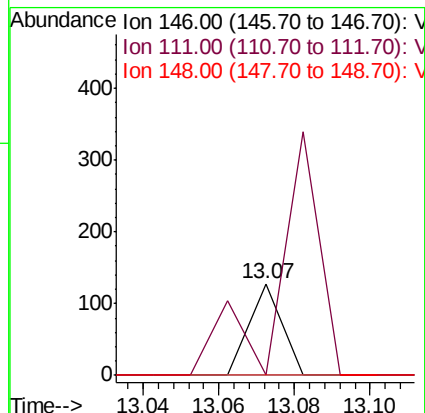
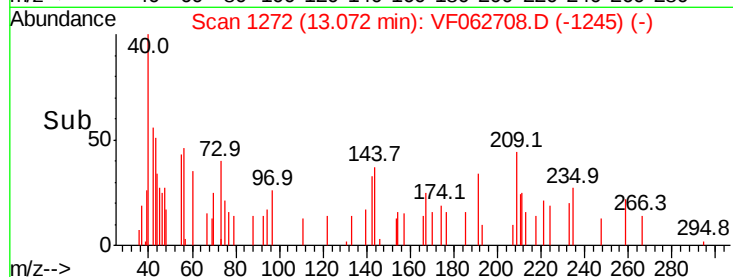
148 0.0 34.1 102.2#



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: 449.945 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

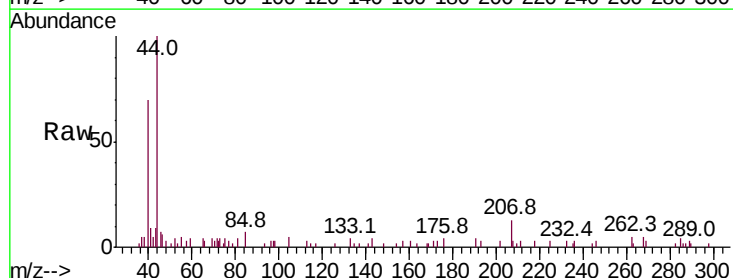
Tgt Ion: 75 Resp: 114

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

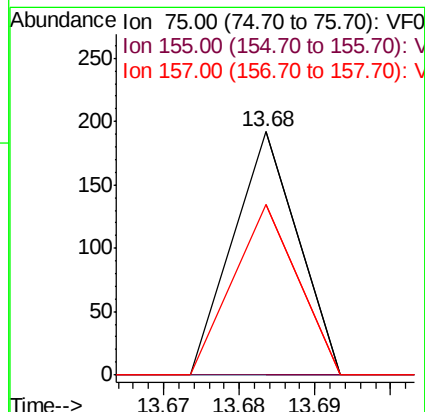
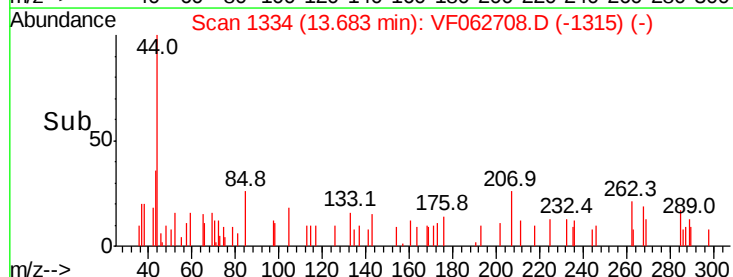
157 70.3 77.8 233.4#

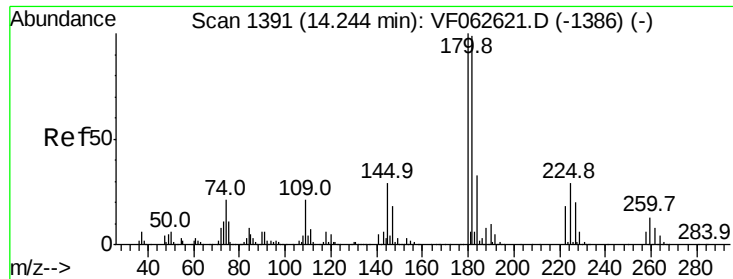


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

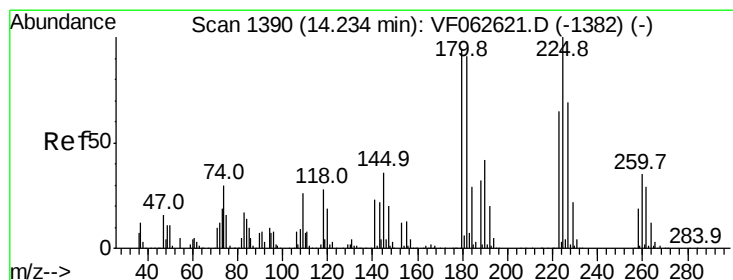
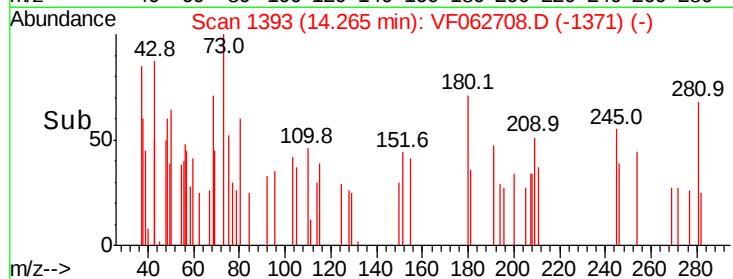
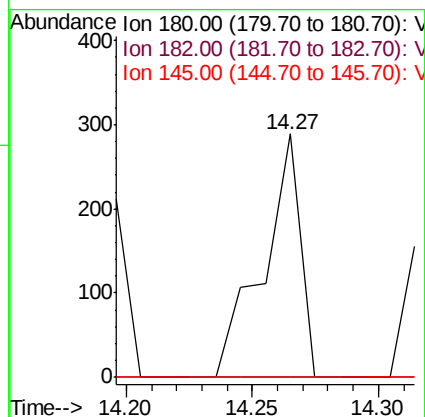
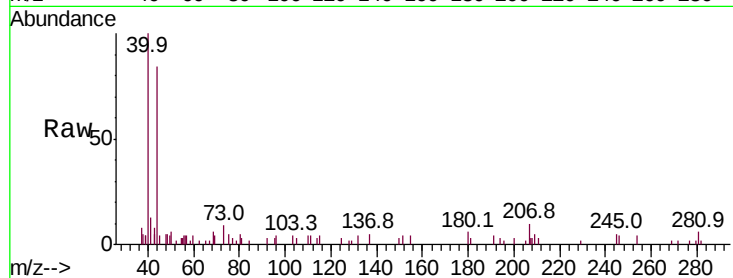




#93
 1,2,4-Trichlorobenzene
 Concen: 100.603 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.02 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

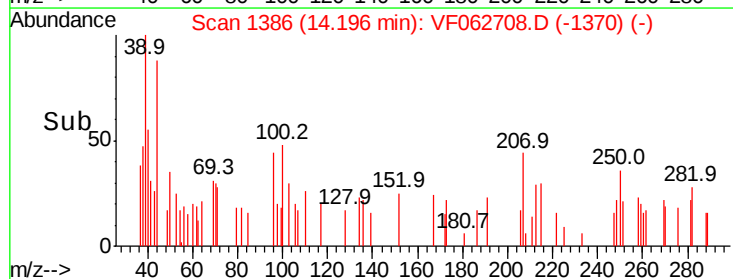
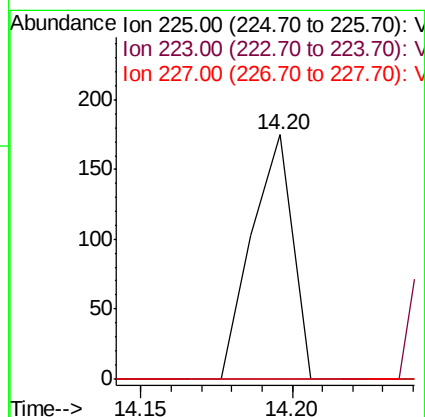
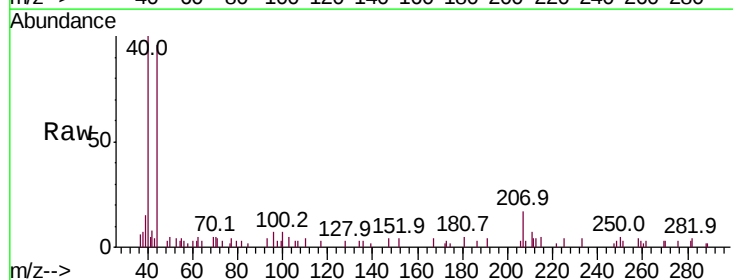
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-052119RE

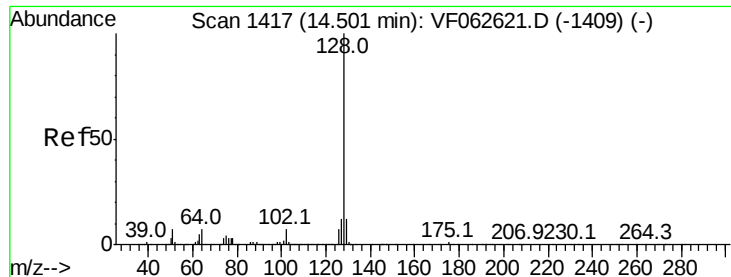
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.6	44.0#



#94
 Hexachlorobutadiene
 Concen: 78.806 ug/l
 RT: 14.20 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: VF062708.D
 Acq: 22 May 2019 16:22

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





#95

Naphthalene

Concen: 23.997 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Instrument :

MSVOA_F

ClientSampleId :

OK-01-052119RE

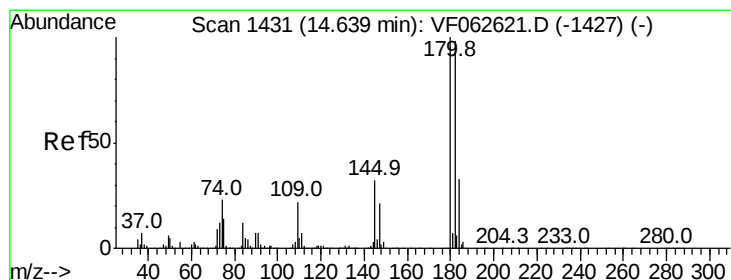
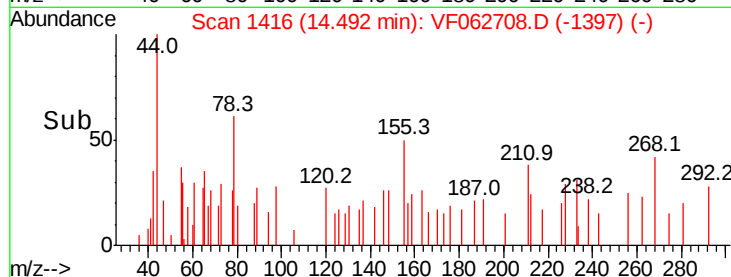
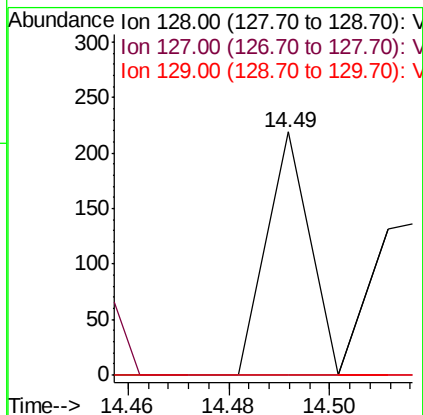
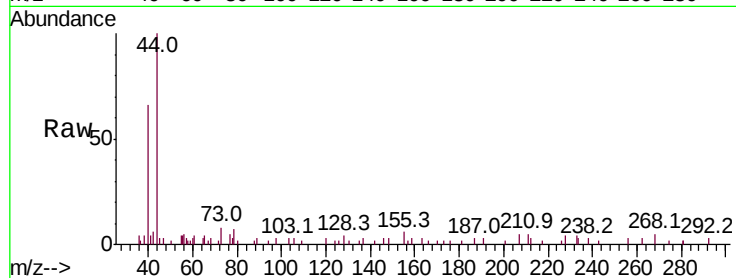
Tot Ion:128 Resp: 130

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 0.0 9.3 13.9#



#96

1,2,3-Trichlorobenzene

Concen: 37.173 ug/l

RT: 14.61 min Scan# 1428

Delta R.T. -0.03 min

Lab File: VF062708.D

Acq: 22 May 2019 16:22

Tgt Ion:180 Resp: 105

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 139.9 16.1 48.2#

