

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062824.D
 Acq On : 3 Jun 2019 13:04
 Operator : FY/SY
 Sample : VF0603SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 04 08:49:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	850931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1359644	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1063801	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	537164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	311648	52.96	ug/l	-0.02
Spiked Amount			Recovery	=	105.92%	
35) Dibromofluoromethane	4.32	113	574013	55.87	ug/l	-0.02
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	7.72	98	1422355	54.75	ug/l	-0.02
Spiked Amount			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	11.49	95	534146	57.15	ug/l	-0.02
Spiked Amount			Recovery	=	114.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	240527	22.624	ug/l	100
3) Chloromethane	1.14	50	189608	21.535	ug/l	100
4) Vinyl Chloride	1.19	62	183830	21.010	ug/l	100
5) Bromomethane	1.40	94	104615	20.966	ug/l	95
6) Chloroethane	1.45	64	59772	18.271	ug/l	93
7) Trichlorofluoromethane	1.56	101	265220	21.412	ug/l	98
8) Diethyl Ether	1.72	74	44384	18.213	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.92	101	164352	21.105	ug/l	96
10) Methyl Iodide	1.99	142	320622	20.534	ug/l	95
11) Tert butyl alcohol	2.70	59	39041	109.524	ug/l	98
12) 1,1-Dichloroethene	1.88	96	141280	19.979	ug/l	94
13) Acrolein	2.11	56	11907	77.985	ug/l #	72
14) Allyl chloride	2.21	41	123781	22.564	ug/l	98
15) Acrylonitrile	3.10	53	101422	75.720	ug/l #	91
16) Acetone	2.36	43	120746	89.656	ug/l	95
17) Carbon Disulfide	1.92	76	438870	21.235	ug/l	99
18) Methyl Acetate	2.46	43	44348	18.844	ug/l #	89
19) Methyl tert-butyl Ether	2.55	73	272268	21.252	ug/l	93
20) Methylene Chloride	2.35	84	98434	12.347	ug/l	94
21) trans-1,2-Dichloroethene	2.43	96	138842	19.583	ug/l	95
22) Diisopropyl ether	2.95	45	303612	19.480	ug/l #	92
23) Vinyl Acetate	3.35	43	1100617	103.149	ug/l	99
24) 1,1-Dichloroethane	3.02	63	235681	20.253	ug/l	99
25) 2-Butanone	4.53	43	296226	94.450	ug/l	98
26) 2,2-Dichloropropane	3.79	77	149203	22.581	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	258281	21.672	ug/l	93
28) Bromochloromethane	3.90	49	125893	19.888	ug/l	98
29) Tetrahydrofuran	4.28	42	128754	107.335	ug/l	98
30) Chloroform	4.06	83	352165	21.472	ug/l	99
31) Cyclohexane	3.88	56	214098	13.589	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	229392	24.022	ug/l	95
36) 1,1-Dichloropropene	4.48	75	279725	22.348	ug/l	93
37) Ethyl Acetate	4.31	43	111754	23.356	ug/l #	82
38) Carbon Tetrachloride	4.19	117	197874	23.391	ug/l	92

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 Sample : VF0603SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 04 08:49:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	353266	22.677	ug/l	96
40) Benzene	4.83	78	804603	22.087	ug/l	99
41) Methacrylonitrile	4.94	41	58913	22.148	ug/l	95
42) 1,2-Dichloroethane	5.14	62	149184	21.532	ug/l	92
43) Isopropyl Acetate	7.13	43	144938	22.931	ug/l	97
44) Trichloroethene	5.70	130	238377	23.186	ug/l	98
45) 1,2-Dichloropropane	6.42	63	202248	22.124	ug/l	94
46) Dibromomethane	6.27	93	117874	22.085	ug/l	99
47) Bromodichloromethane	6.57	83	239512	22.035	ug/l	99
48) Methyl methacrylate	6.89	41	71224	21.865	ug/l	96
49) 1,4-Dioxane	6.89	88	20422	475.630	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	514775	114.076	ug/l	97
52) Toluene	7.79	92	432939	22.065	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	200187	22.225	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	274740	21.072	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	128510	21.924	ug/l	97
56) Ethyl methacrylate	8.76	69	136716	21.738	ug/l #	94
57) 1,3-Dichloropropane	9.00	76	207417	21.669	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	230322	104.784	ug/l	99
59) 2-Hexanone	9.63	43	370758	115.271	ug/l	98
60) Dibromochloromethane	8.87	129	163075	22.471	ug/l	98
61) 1,2-Dibromoethane	9.14	107	141034	23.167	ug/l	94
64) Tetrachloroethene	8.31	164	175092	21.419	ug/l	95
65) Chlorobenzene	9.94	112	445711	21.696	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	178079	21.766	ug/l	98
67) Ethyl Benzene	10.04	91	782160	22.187	ug/l	97
68) m/p-Xylenes	10.26	106	577606	42.816	ug/l	86
69) o-Xylene	10.82	106	304000	22.257	ug/l	90
70) Styrene	10.89	104	445237	22.116	ug/l	99
71) Bromoform	10.88	173	85887	21.883	ug/l #	94
73) Isopropylbenzene	11.22	105	848955	22.650	ug/l	95
74) N-amyl acetate	11.45	43	265684	25.150	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	181081	22.623	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	116490	21.956	ug/l	88
77) Bromobenzene	11.58	156	202791	21.533	ug/l	86
78) n-propylbenzene	11.67	91	1013080	22.386	ug/l	90
79) 2-Chlorotoluene	11.80	91	574874	22.200	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	668908	21.823	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	60689	27.018	ug/l	92
82) 4-Chlorotoluene	11.98	91	574664	22.582	ug/l	99
83) tert-Butylbenzene	12.19	119	692182	22.790	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	645240	22.202	ug/l	95
85) sec-Butylbenzene	12.37	105	904741	22.607	ug/l	98
86) p-Isopropyltoluene	12.52	119	724456	21.748	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	349177	21.024	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	337898	21.800	ug/l	93
89) n-Butylbenzene	12.90	91	758322	22.630	ug/l	90
90) Hexachloroethane	12.97	117	181038	22.283	ug/l	81
91) 1,2-Dichlorobenzene	13.00	146	316575	21.686	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21122	24.222	ug/l	93

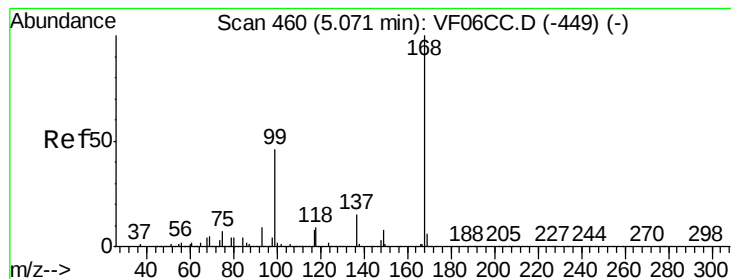
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
Data File : VF062824.D
Acq On : 3 Jun 2019 13:04
Operator : FY/SY
Sample : VF0603SBSD01
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Instrument :
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ClientSampleId :

Quant Time: Jun 04 08:49:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	210309	20.982	ug/l	97
94) Hexachlorobutadiene	14.23	225	144912	20.898	ug/l	99
95) Naphthalene	14.49	128	352761	21.482	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	187514	20.494	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

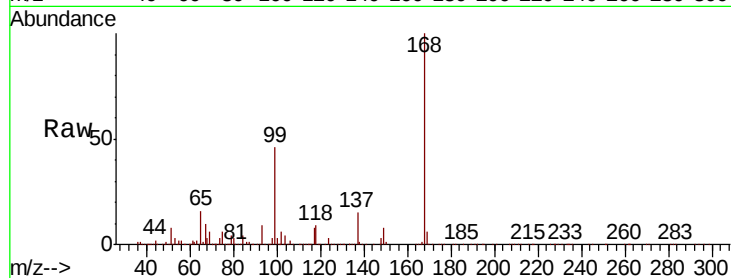
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 850931

Ion Ratio Lower Upper

168 100

99 45.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

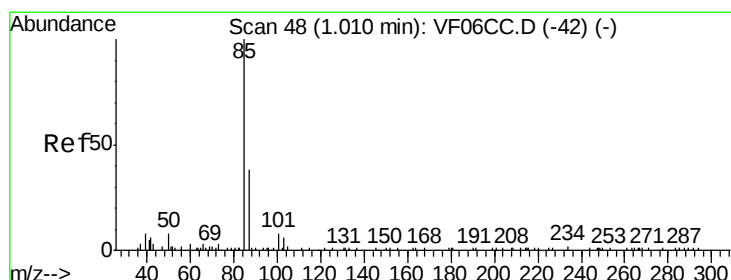
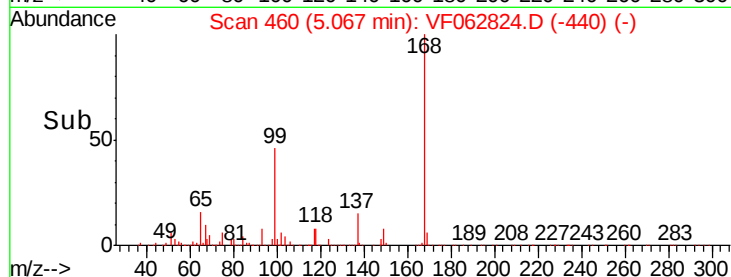
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.624 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062824.D

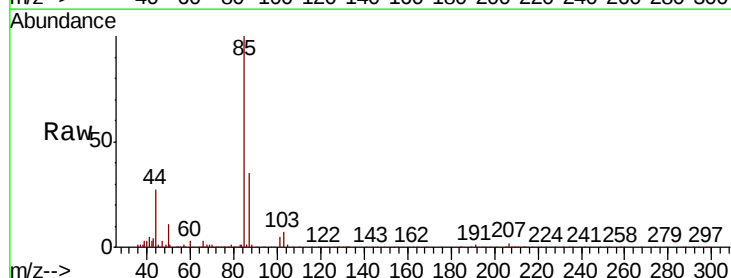
Acq: 3 Jun 2019 13:04

Tgt Ion: 85 Resp: 240527

Ion Ratio Lower Upper

85 100

87 35.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

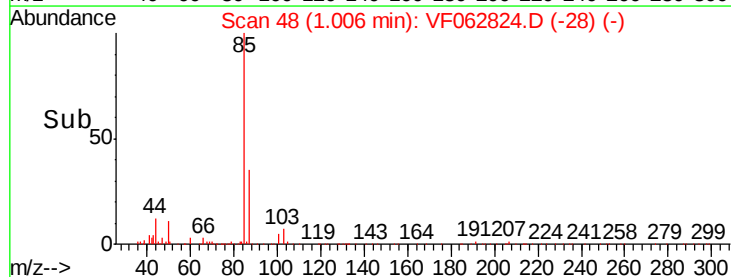
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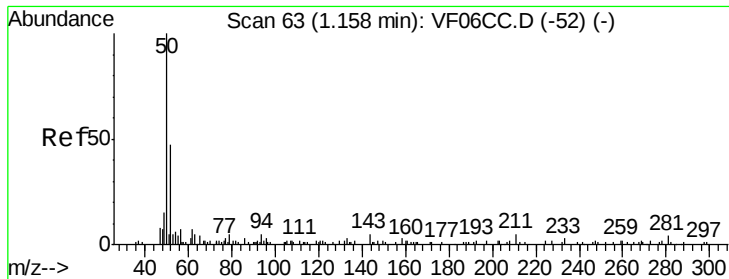
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.535 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

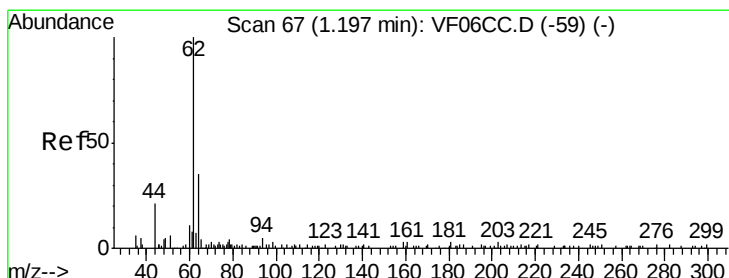
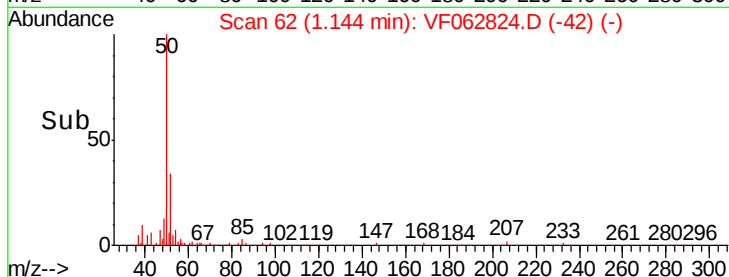
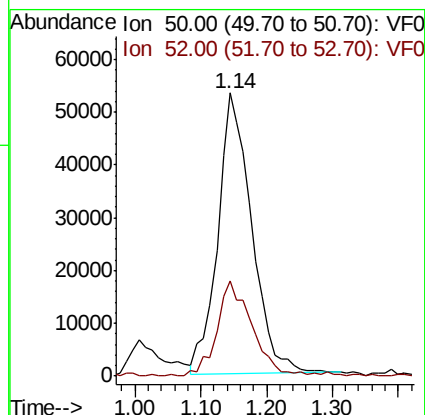
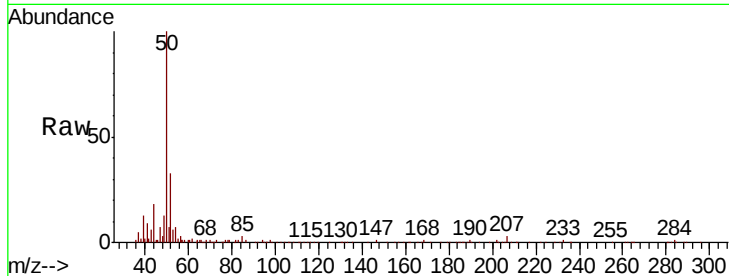
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 189608

Ion Ratio Lower Upper

50 100

52 33.5 27.0 40.4



#4

Vinyl Chloride

Concen: 21.010 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062824.D

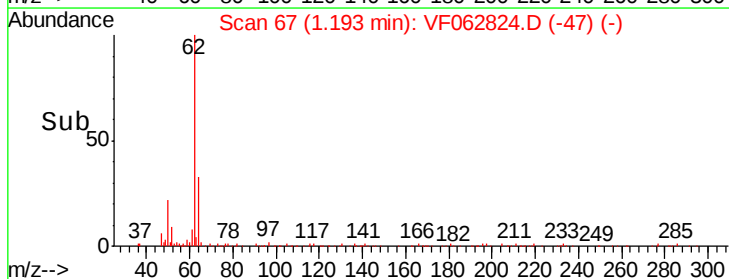
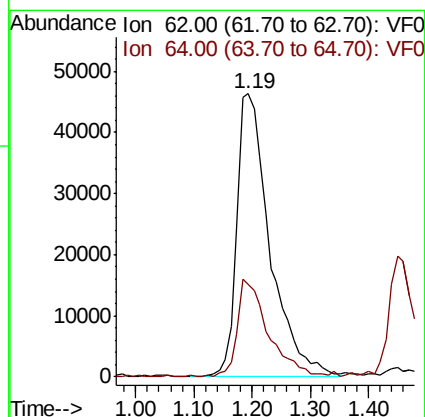
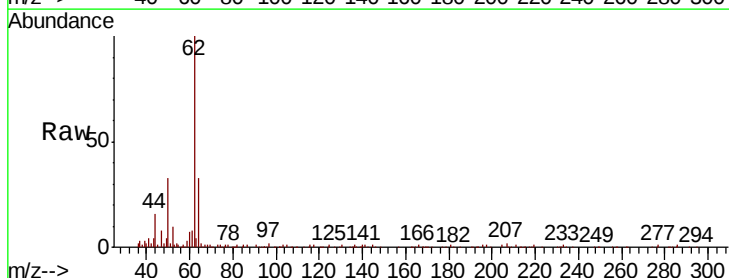
Acq: 3 Jun 2019 13:04

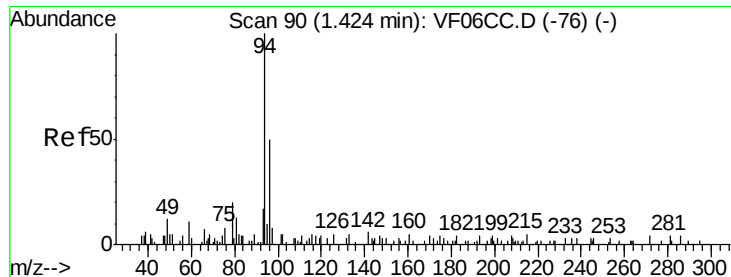
Tgt Ion: 62 Resp: 183830

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 20.966 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

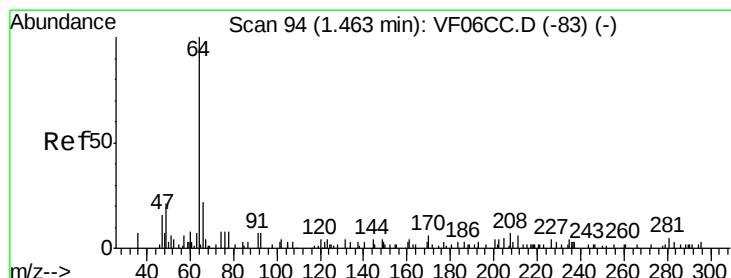
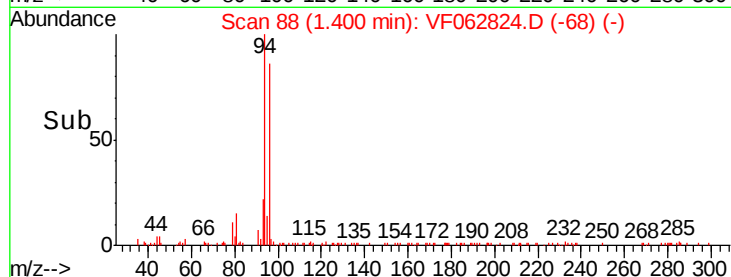
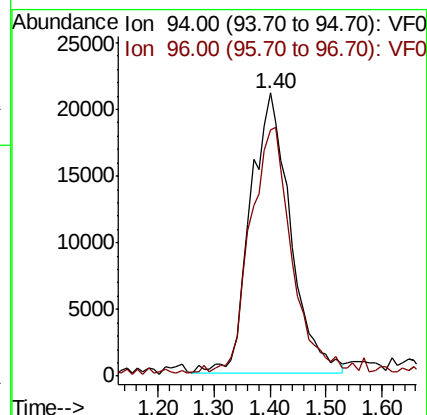
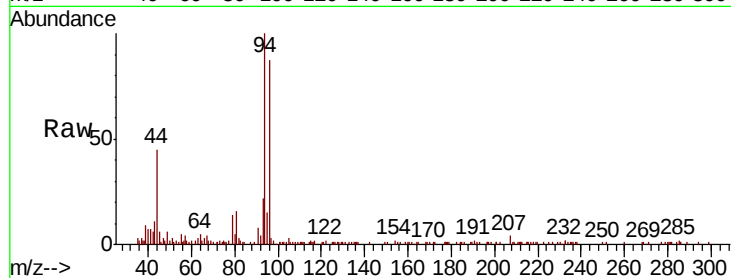
ClientSampleId :

Tot Ion: 94 Resp: 104615

Ion Ratio Lower Upper

94 100

96 87.2 73.8 110.6



#6

Chloroethane

Concen: 18.271 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062824.D

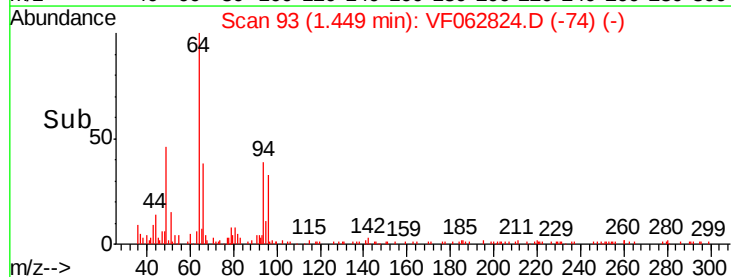
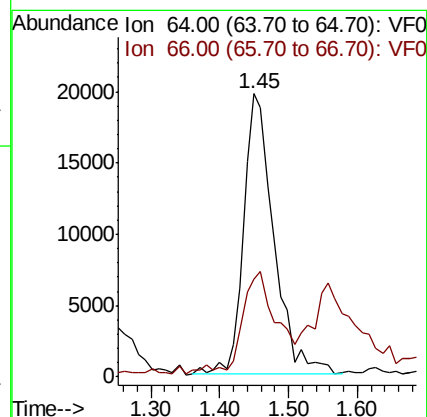
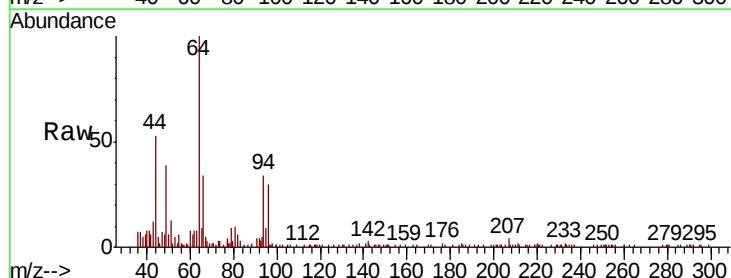
Acq: 3 Jun 2019 13:04

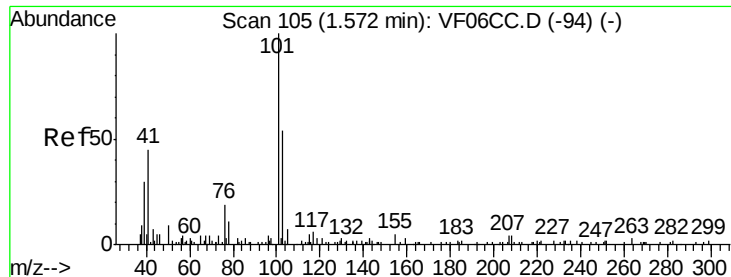
Tgt Ion: 64 Resp: 59772

Ion Ratio Lower Upper

64 100

66 34.5 31.0 46.4



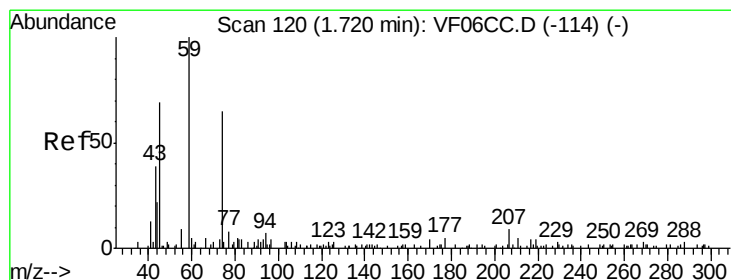
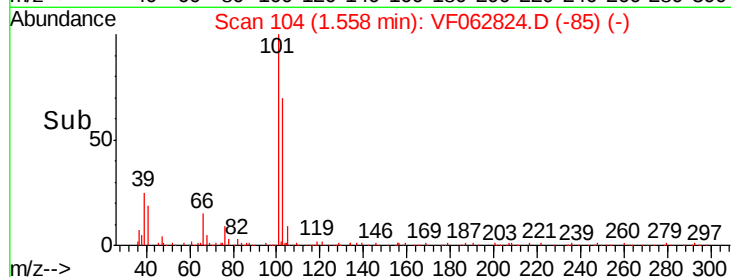
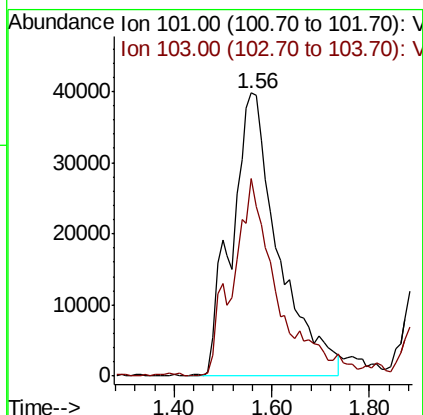
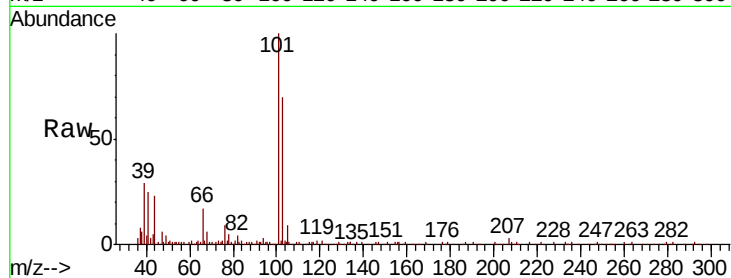


#7

Trichlorofluoromethane
Concen: 21.412 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

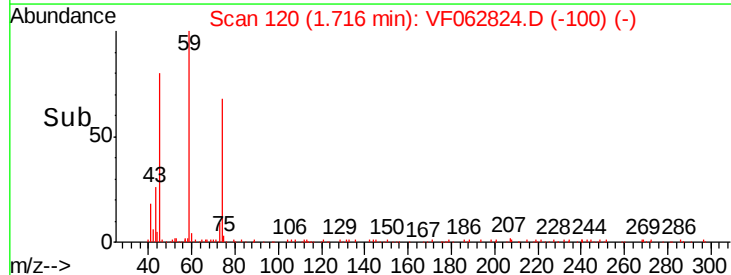
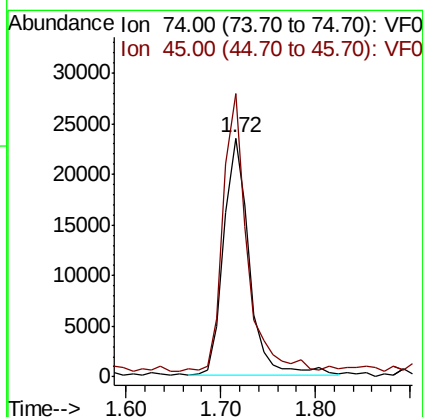
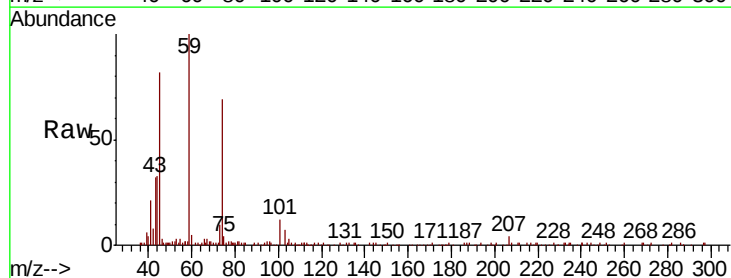
Tot Ion:101 Resp: 265220
Ion Ratio Lower Upper
101 100
103 70.0 54.6 82.0

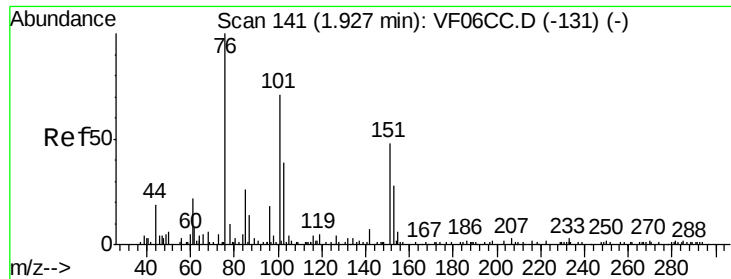


#8

Diethyl Ether
Concen: 18.213 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 74 Resp: 44384
Ion Ratio Lower Upper
74 100
45 118.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.105 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

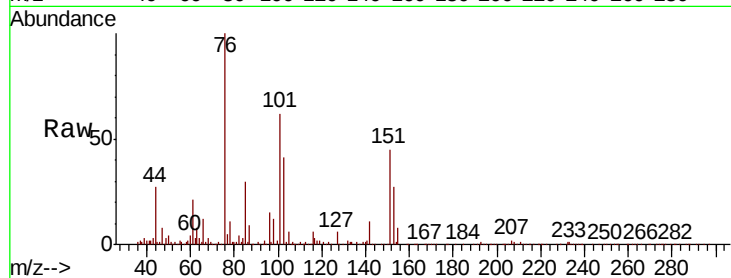
Tot Ion:101 Resp: 164352

Ion Ratio Lower Upper

101 100

85 48.3 37.1 55.7

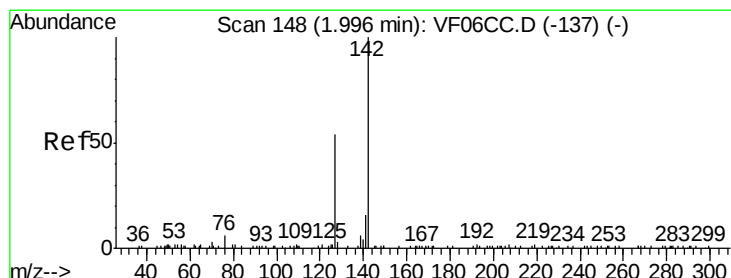
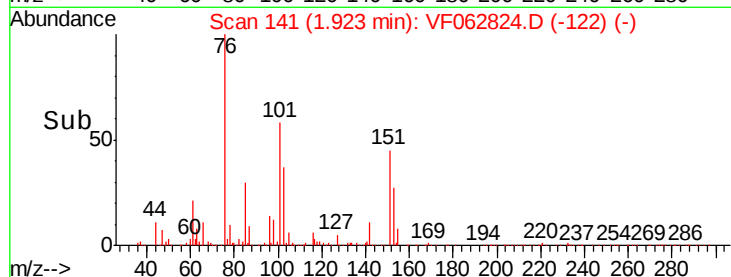
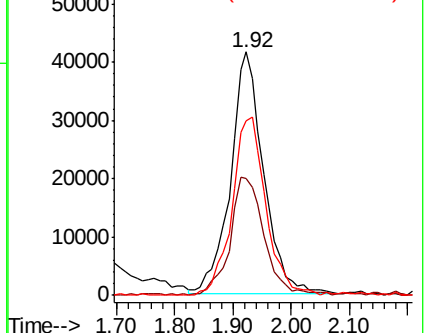
151 71.8 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.534 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

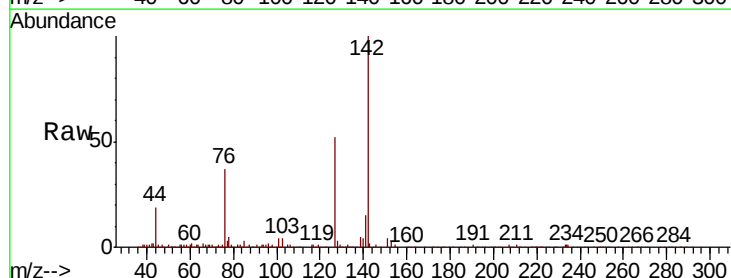
Tgt Ion:142 Resp: 320622

Ion Ratio Lower Upper

142 100

127 52.5 39.4 59.2

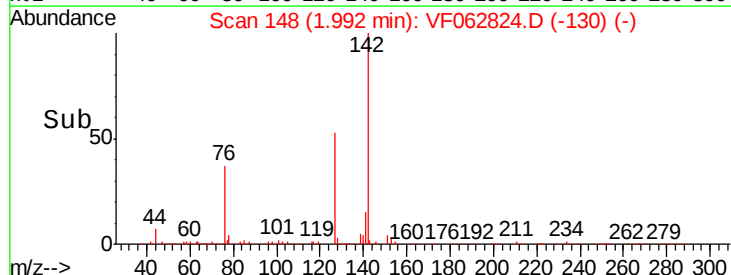
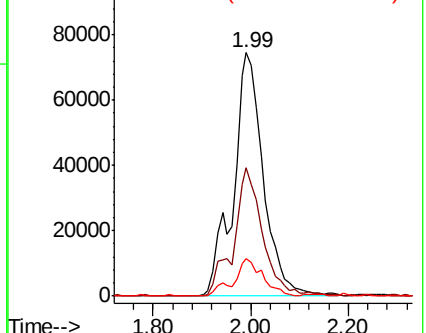
141 15.2 10.6 15.8

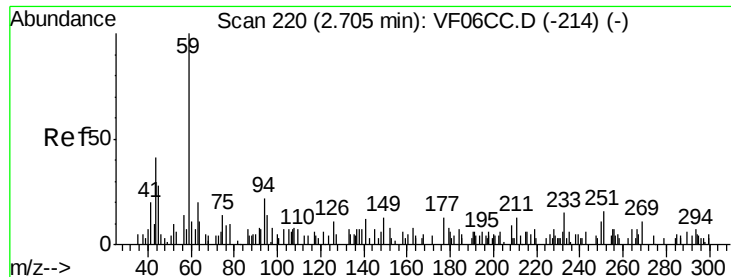


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



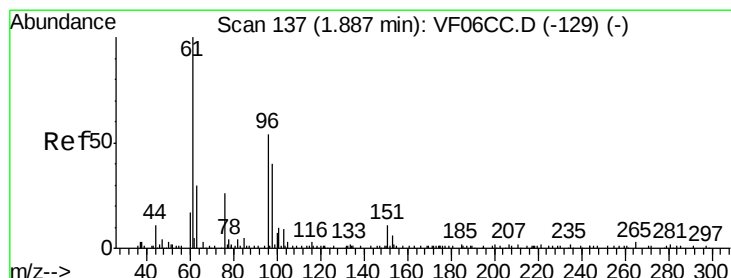
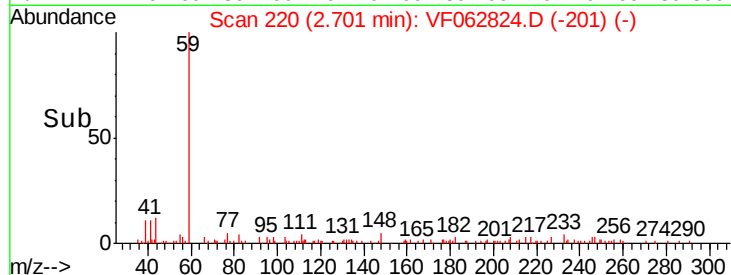
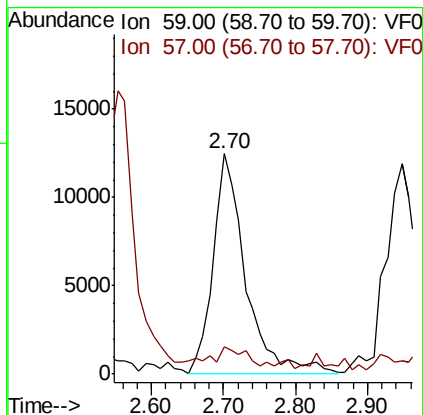
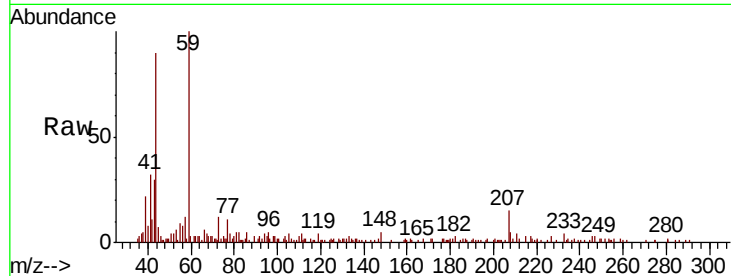


#11

Tert butyl alcohol
Concen: 109.524 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

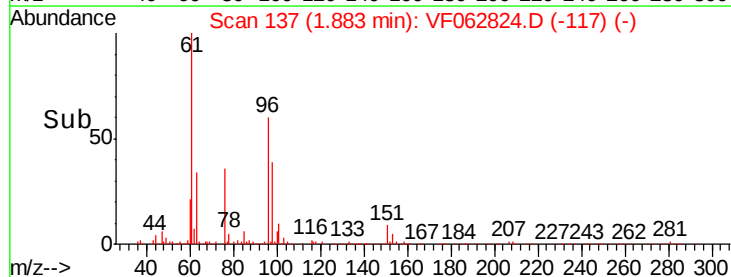
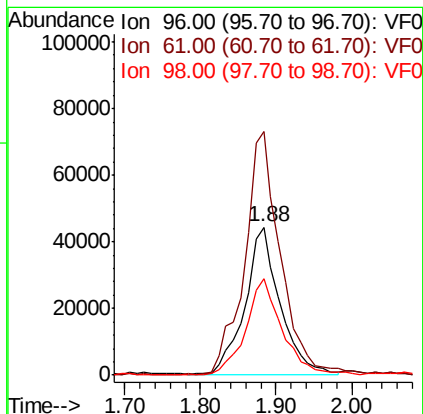
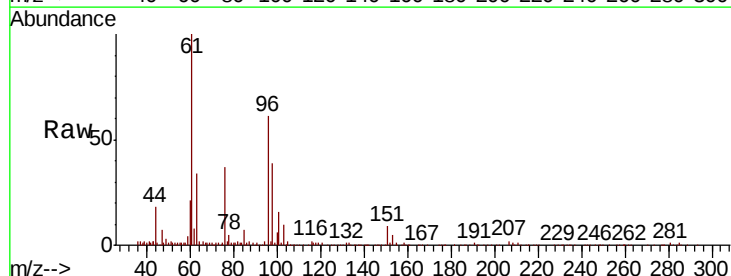
Tot Ion: 59 Resp: 39041
Ion Ratio Lower Upper
59 100
57 12.2 9.2 13.8

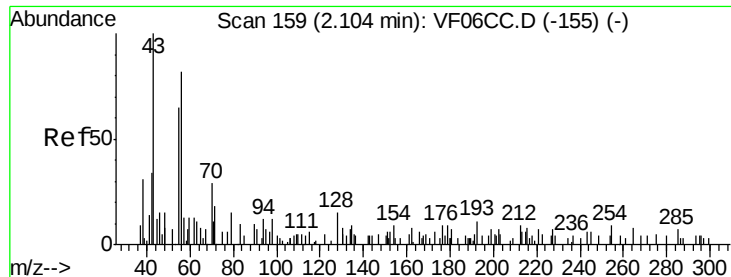


#12

1,1-Dichloroethene
Concen: 19.979 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 96 Resp: 141280
Ion Ratio Lower Upper
96 100
61 164.7 139.4 209.2
98 65.0 50.3 75.5

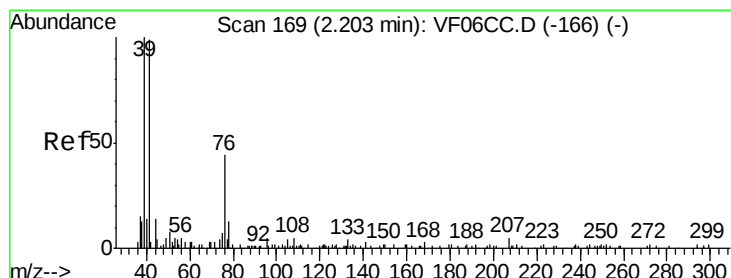
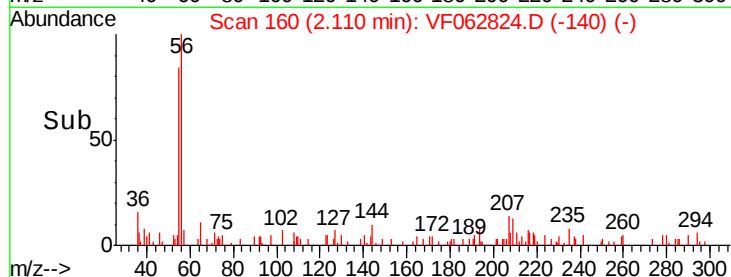
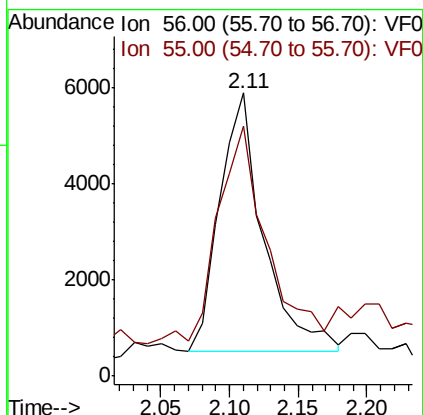
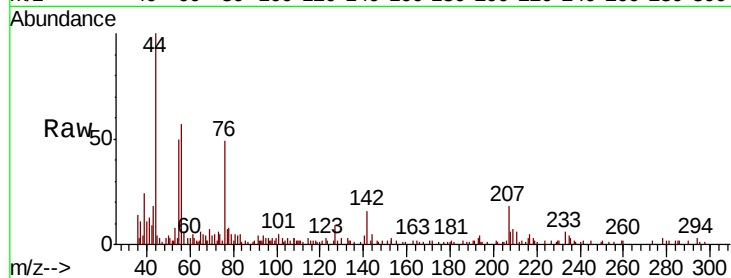




#13
Acrolein
Concen: 77.985 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

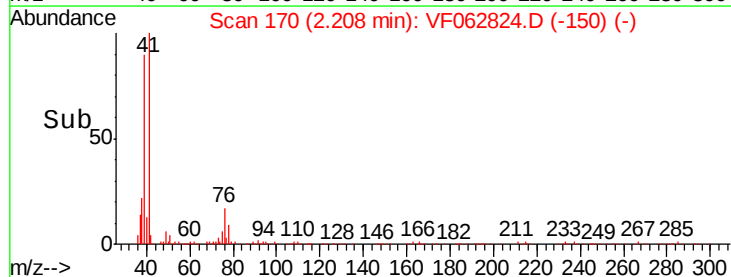
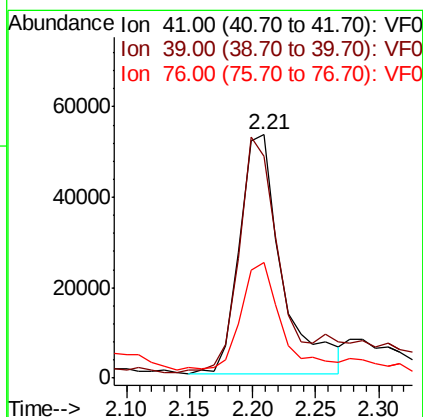
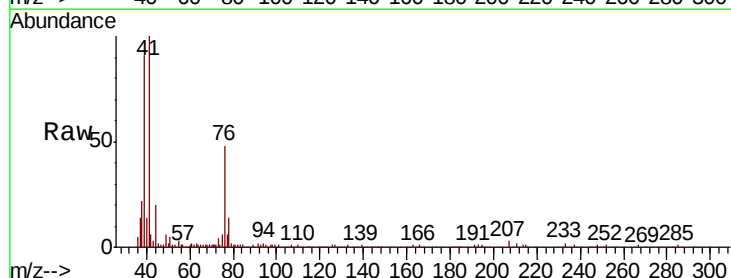
Instrument :
MSVOA_F
ClientSampled :

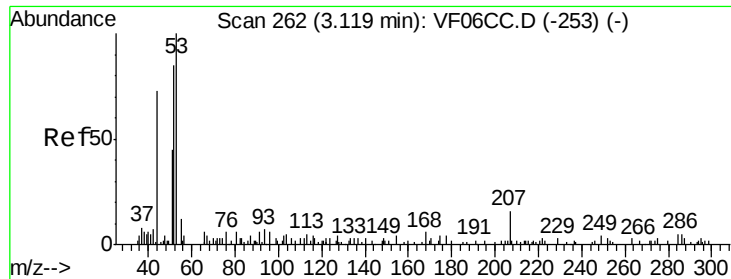
Tot Ion: 56 Resp: 11907
Ion Ratio Lower Upper
56 100
55 88.5 52.9 79.3#



#14
Allyl chloride
Concen: 22.564 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 41 Resp: 123781
Ion Ratio Lower Upper
41 100
39 91.3 71.9 107.9
76 47.7 39.6 59.4





#15

Acrylonitrile

Concen: 75.720 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

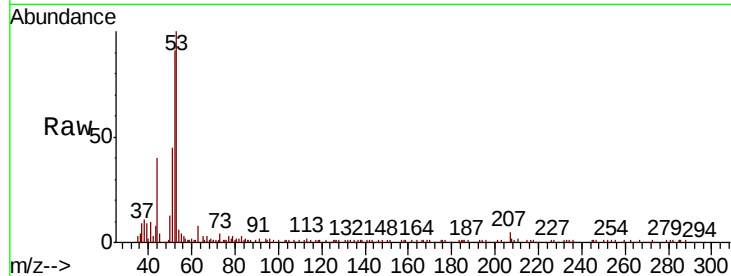
Tot Ion: 53 Resp: 101422

Ion Ratio Lower Upper

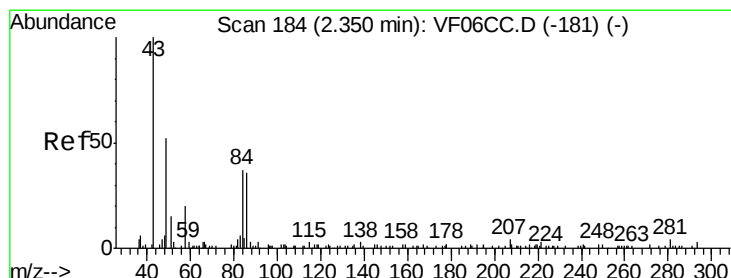
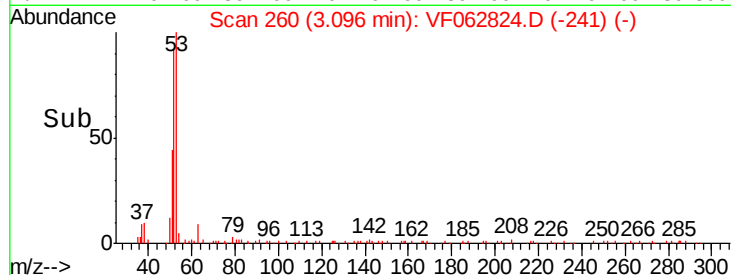
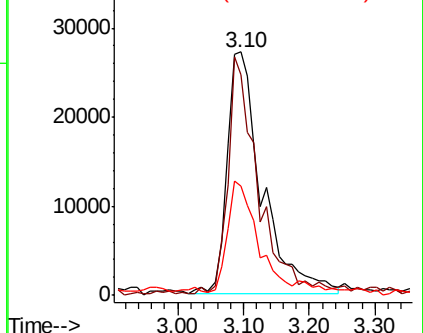
53 100

52 90.6 68.1 102.1

51 44.8 27.7 41.5#



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



#16

Acetone

Concen: 89.656 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062824.D

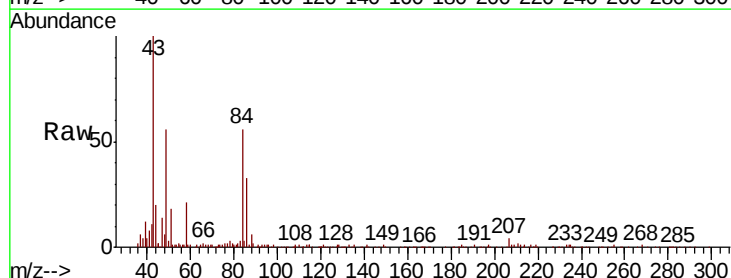
Acq: 3 Jun 2019 13:04

Tgt Ion: 43 Resp: 120746

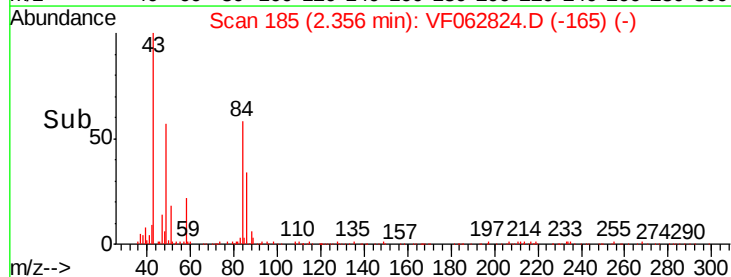
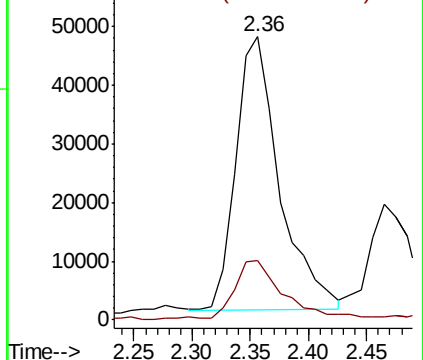
Ion Ratio Lower Upper

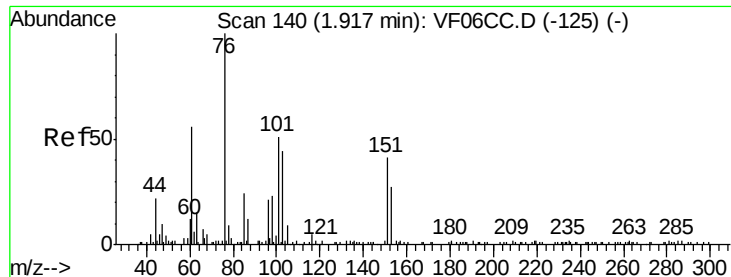
43 100

58 21.0 19.0 28.4



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

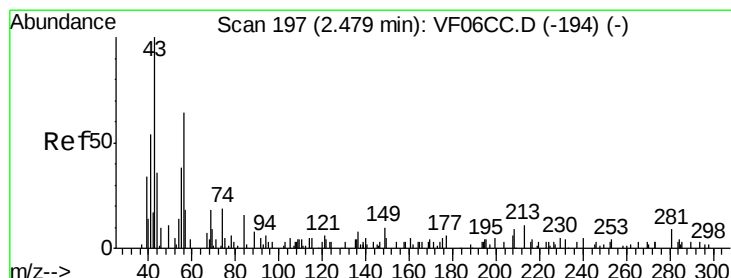
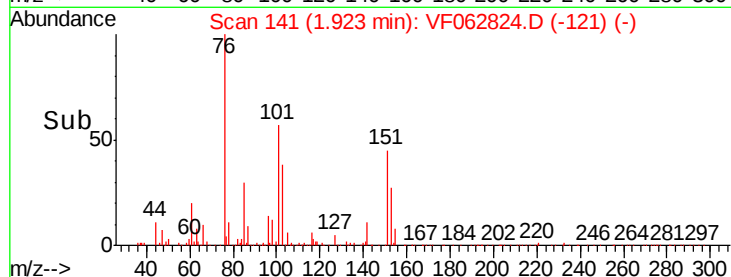
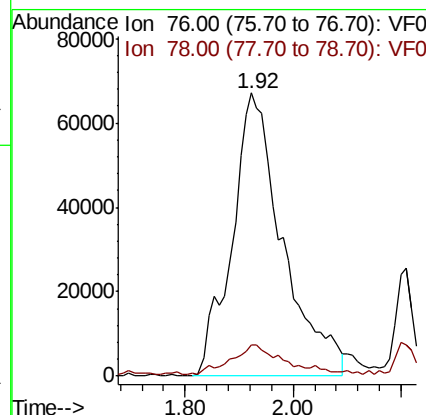
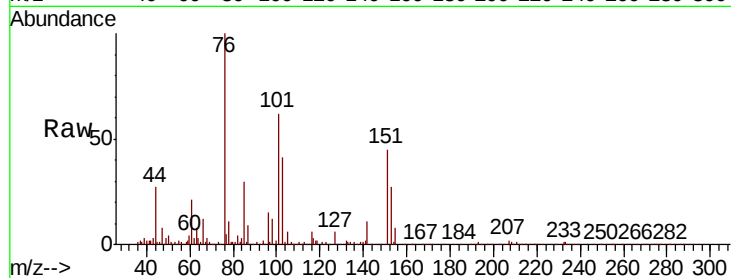




#17
Carbon Disulfide
Concen: 21.235 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

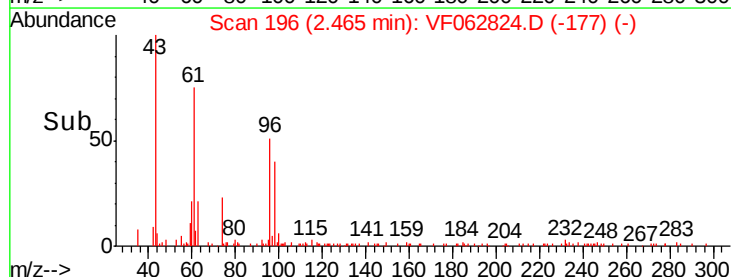
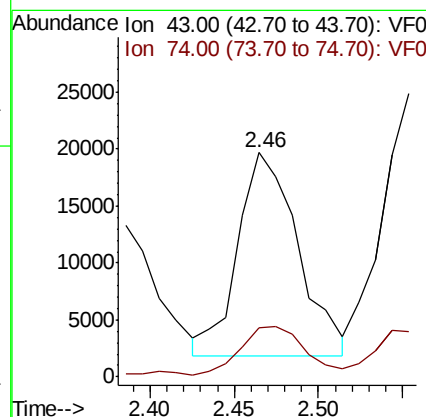
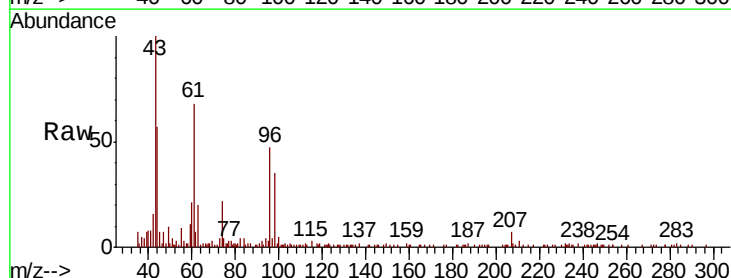
Instrument :
MSVOA_F
ClientSampleId :

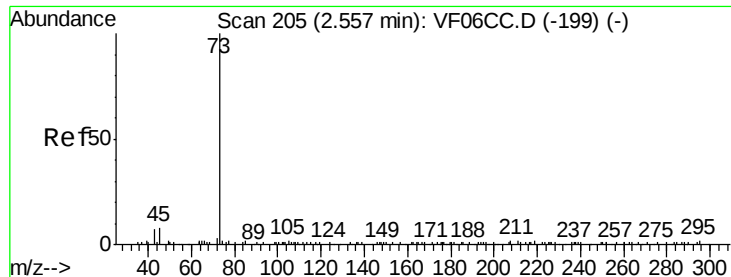
Tot Ion: 76 Resp: 438870
Ion Ratio Lower Upper
76 100
78 11.2 9.4 14.2



#18
Methyl Acetate
Concen: 18.844 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 43 Resp: 44348
Ion Ratio Lower Upper
43 100
74 21.8 22.1 33.1#

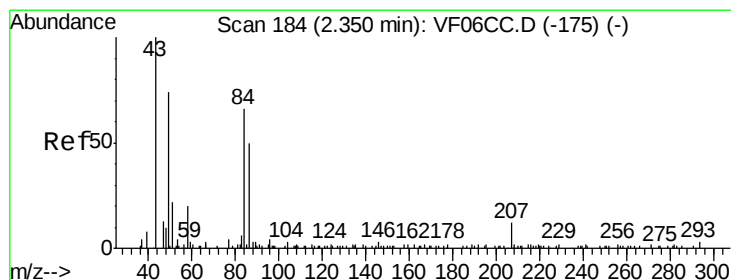
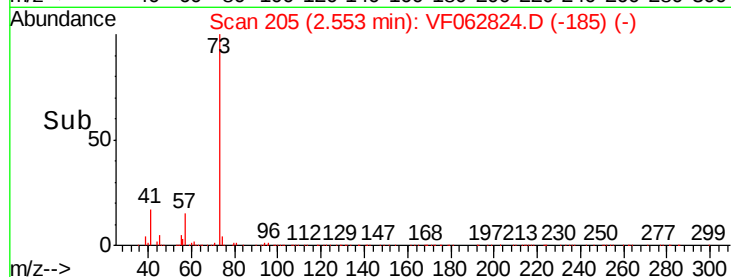
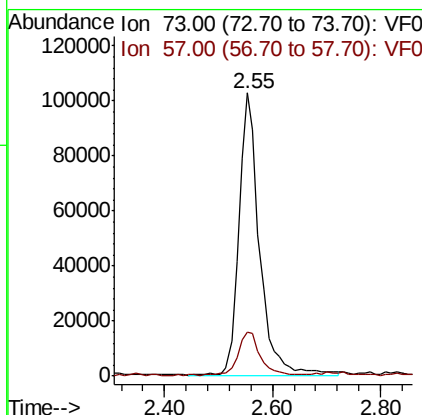
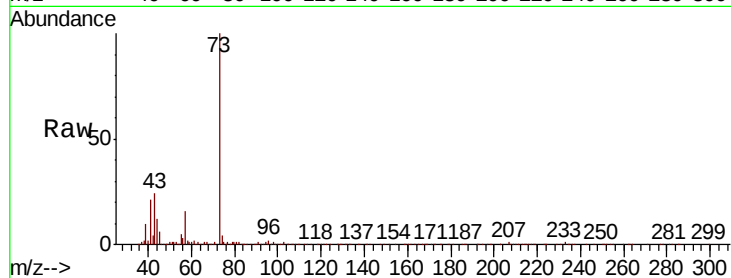




#19
Methyl tert-butyl Ether
Concen: 21.252 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

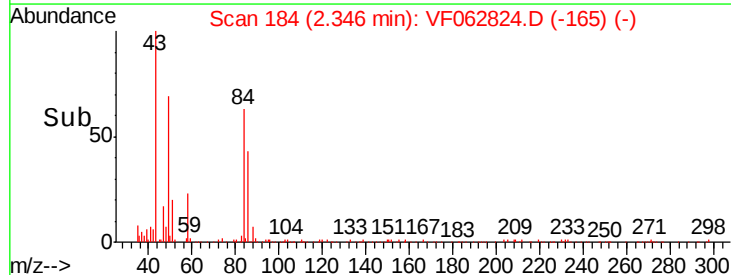
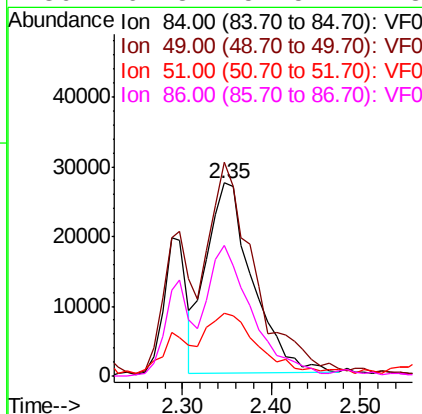
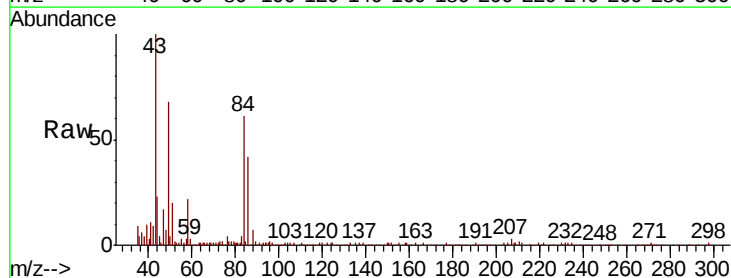
Instrument :
MSVOA_F
ClientSampled :

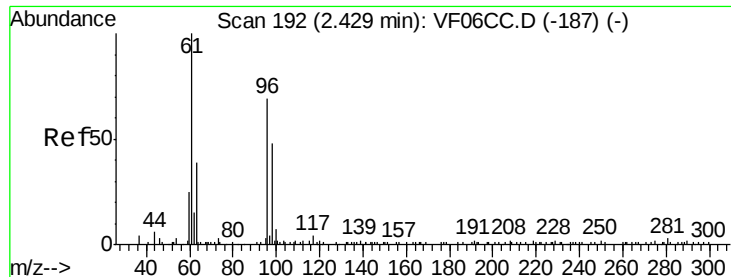
Tot Ion: 73 Resp: 272268
Ion Ratio Lower Upper
73 100
57 15.6 15.1 22.7



#20
Methylene Chloride
Concen: 12.347 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 84 Resp: 98434
Ion Ratio Lower Upper
84 100
49 110.7 82.6 123.8
51 32.5 25.0 37.4
86 67.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.583 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

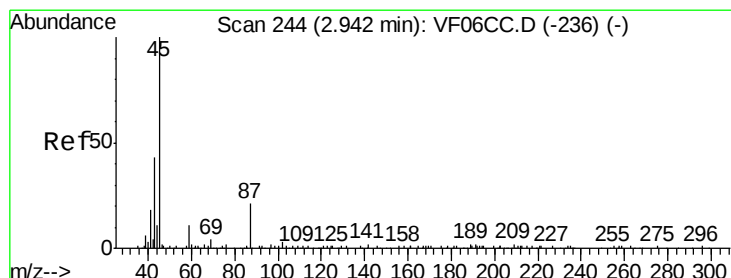
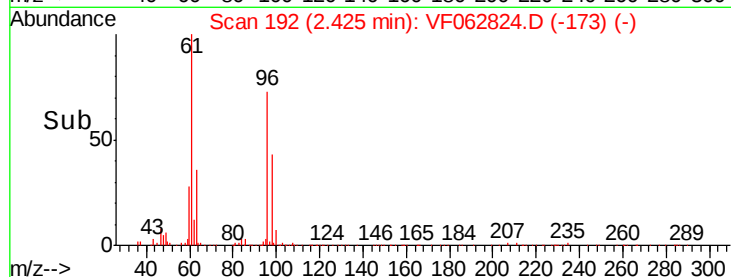
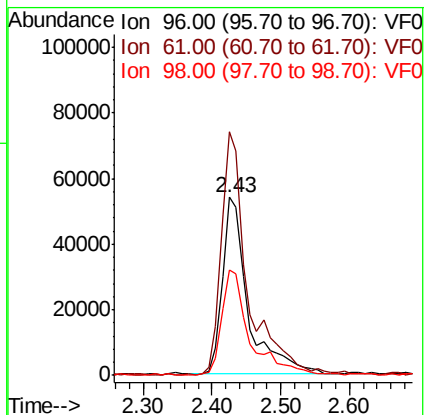
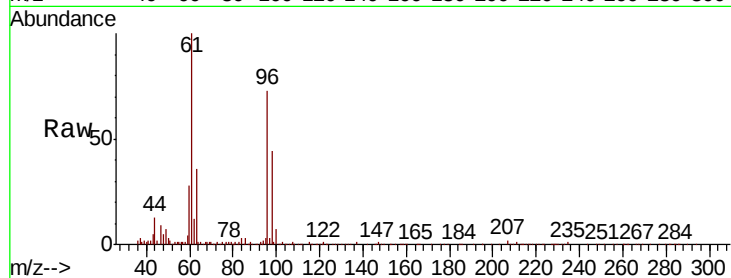
Tot Ion: 96 Resp: 138842

Ion Ratio Lower Upper

96 100

61 136.9 105.0 157.6

98 59.6 51.1 76.7



#22

Diisopropyl ether

Concen: 19.480 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Tgt Ion: 45 Resp: 303612

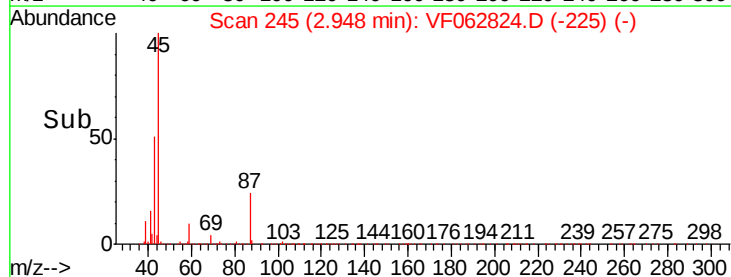
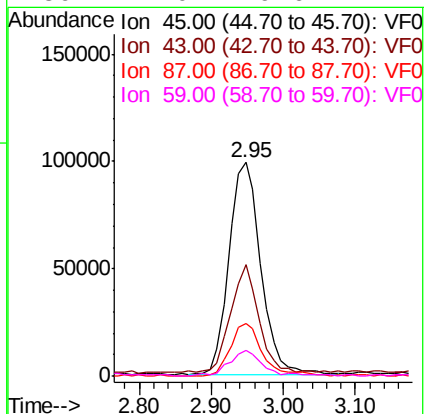
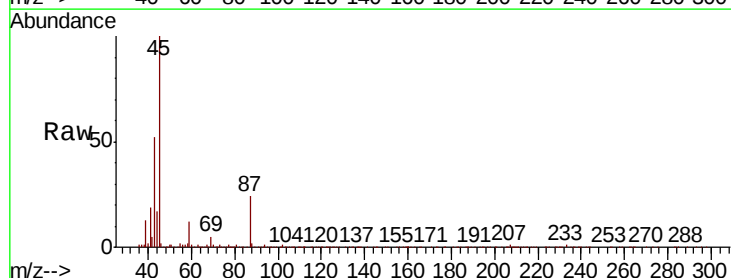
Ion Ratio Lower Upper

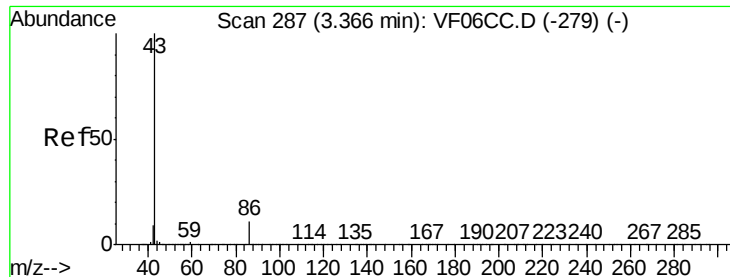
45 100

43 52.2 34.3 51.5#

87 24.5 19.0 28.4

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 103.149 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

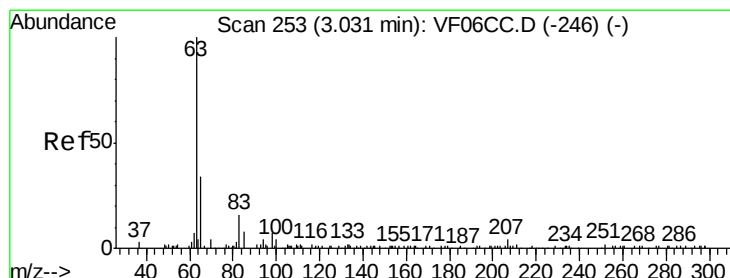
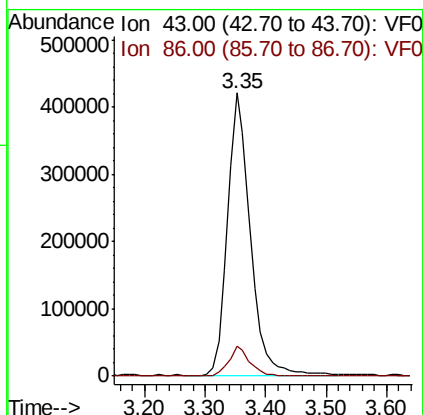
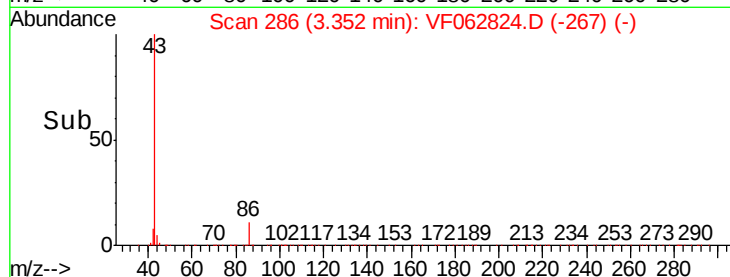
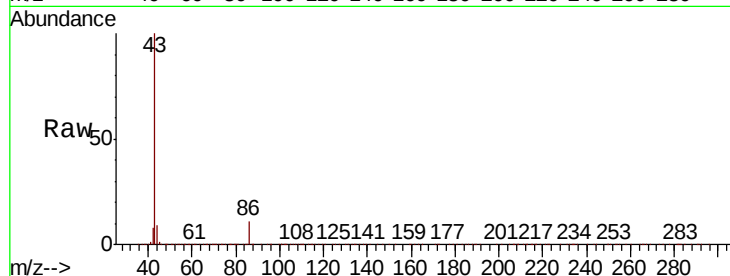
ClientSampleId :

Tot Ion: 43 Resp: 1100617

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.253 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

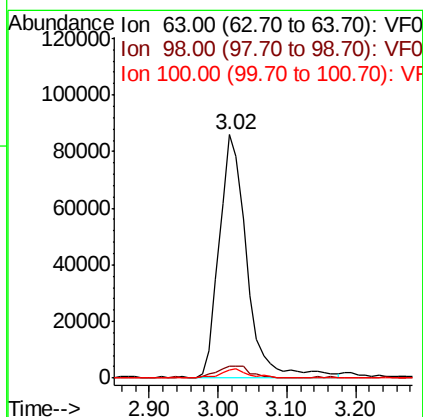
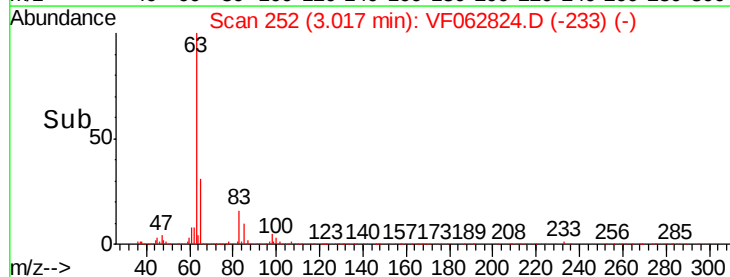
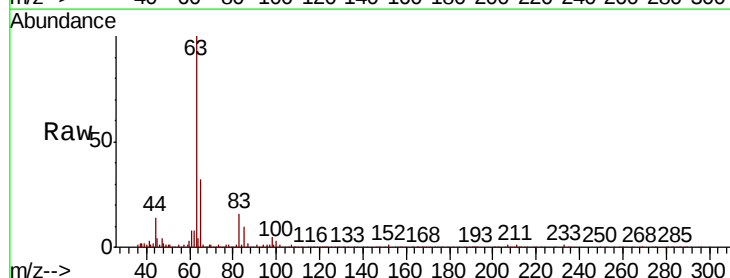
Tgt Ion: 63 Resp: 235681

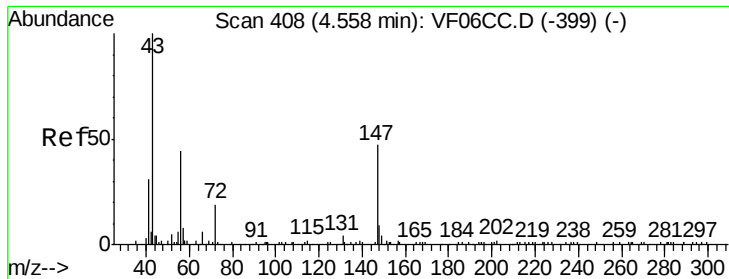
Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

100 3.4 1.5 4.5

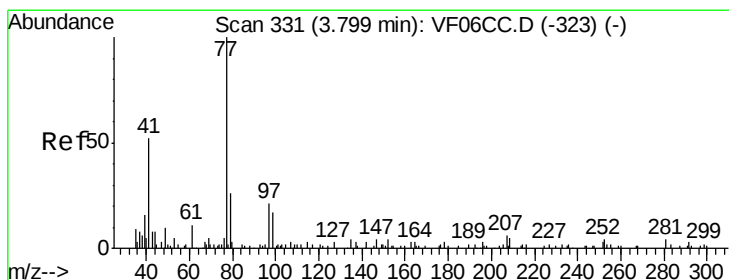
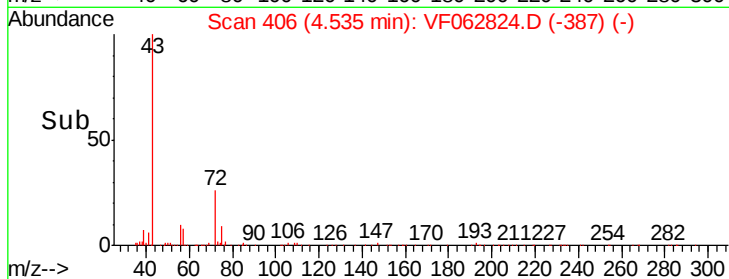
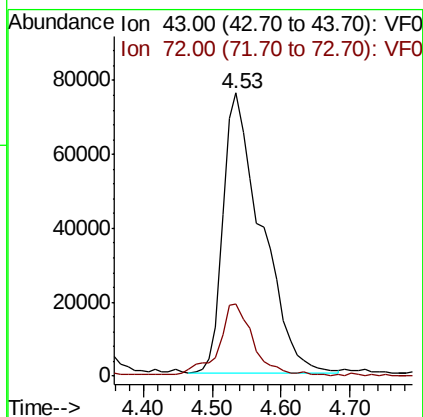
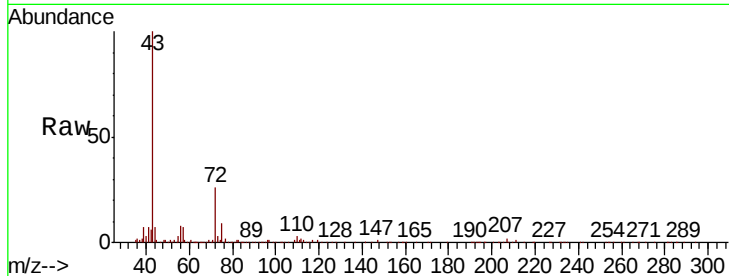




#25
2-Butanone
Concen: 94.450 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

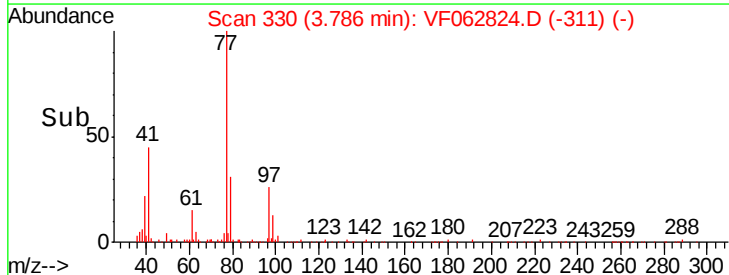
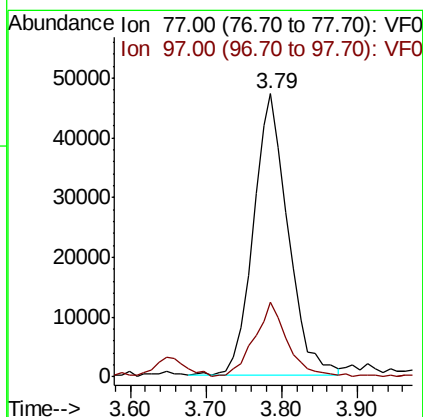
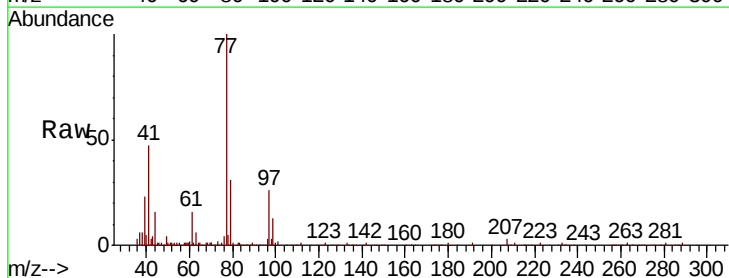
Instrument :
MSVOA_F
ClientSampled :

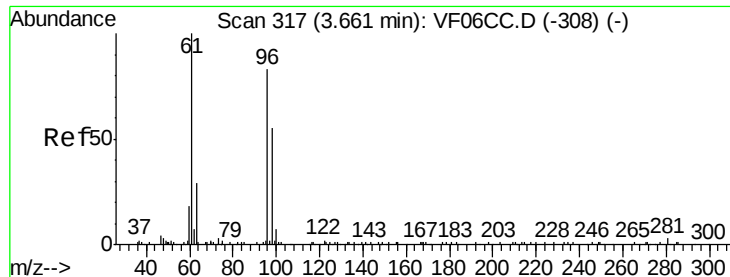
Tot Ion: 43 Resp: 296226
Ion Ratio Lower Upper
43 100
72 25.7 21.4 32.0



#26
2,2-Dichloropropane
Concen: 22.581 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 77 Resp: 149203
Ion Ratio Lower Upper
77 100
97 26.4 12.4 37.4



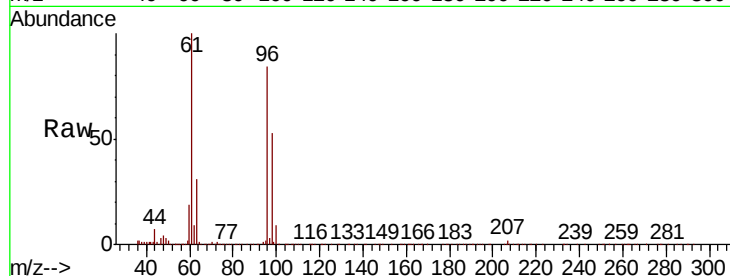


#27

cis-1,2-Dichloroethene
Concen: 21.672 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.0	0.0	213.8
98	63.5	0.0	127.0

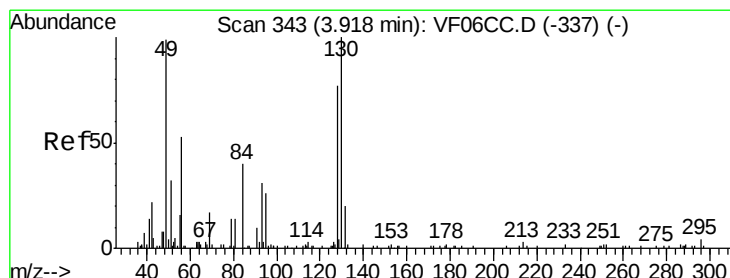
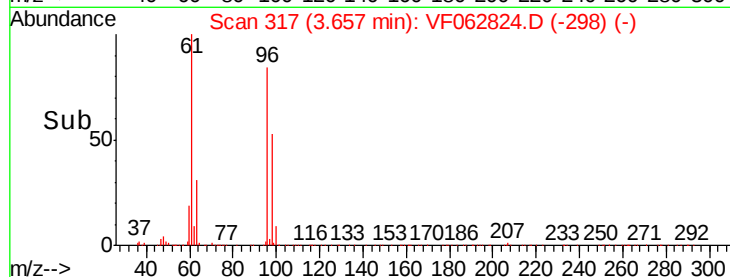
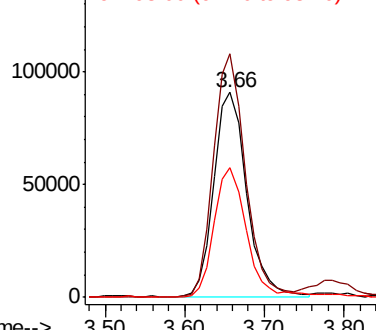


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

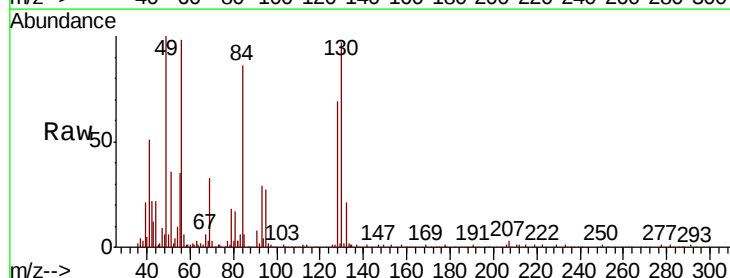
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 19.888 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	96.6	79.2	118.8

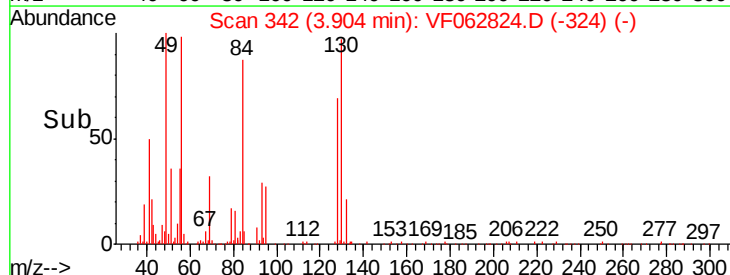
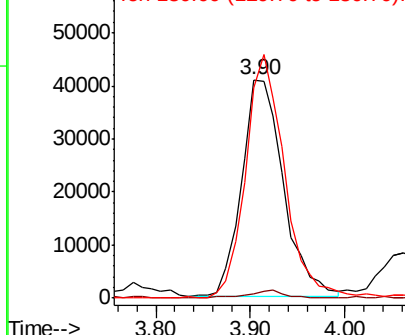


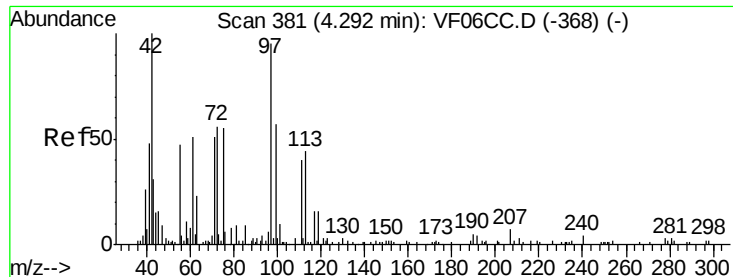
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

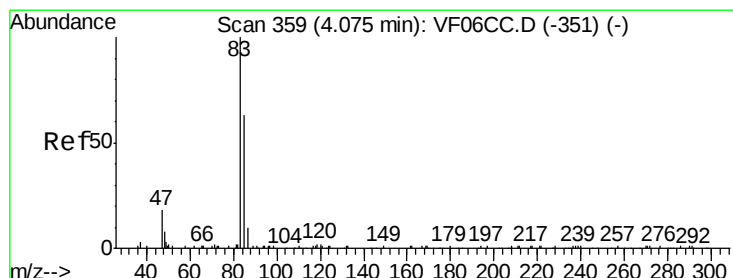
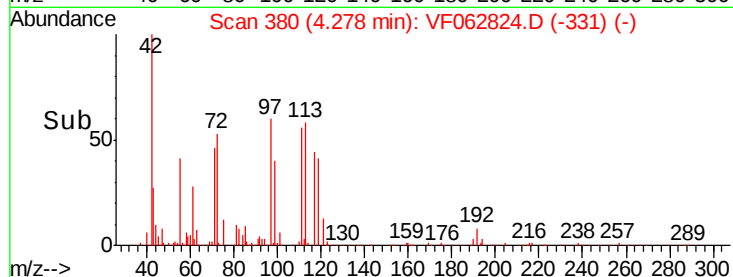
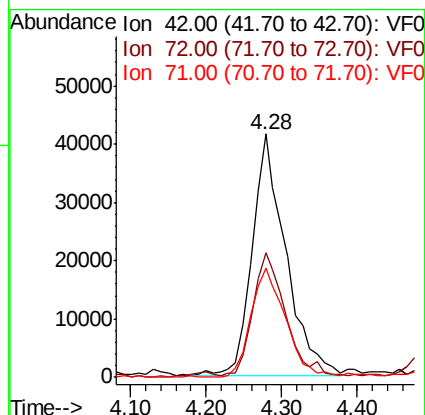
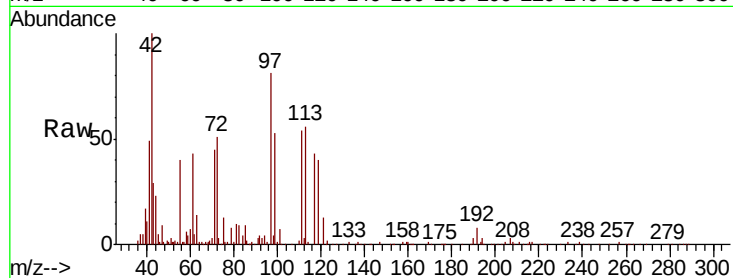




#29
Tetrahydrofuran
Concen: 107.335 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

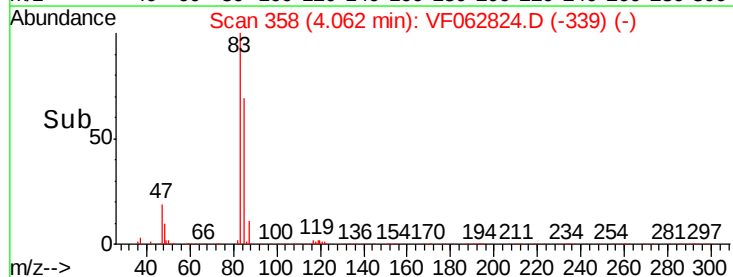
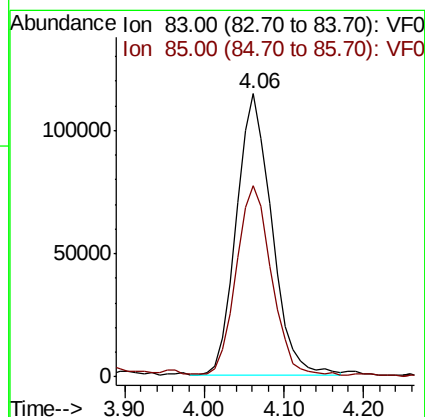
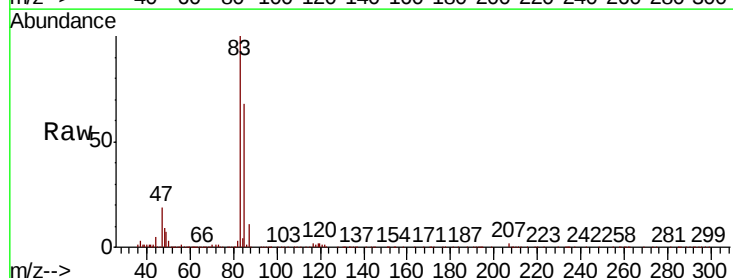
Instrument :
MSVOA_F
ClientSampleId :

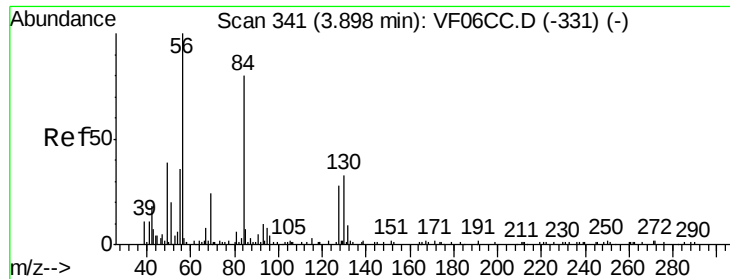
Tot Ion: 42 Resp: 128754
Ion Ratio Lower Upper
42 100
72 51.1 39.0 58.6
71 46.2 36.9 55.3



#30
Chloroform
Concen: 21.472 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 83 Resp: 352165
Ion Ratio Lower Upper
83 100
85 67.7 55.0 82.6

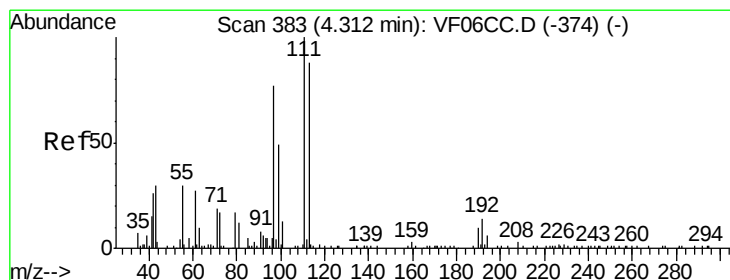
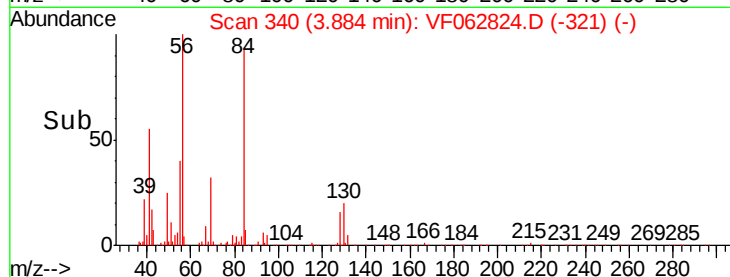
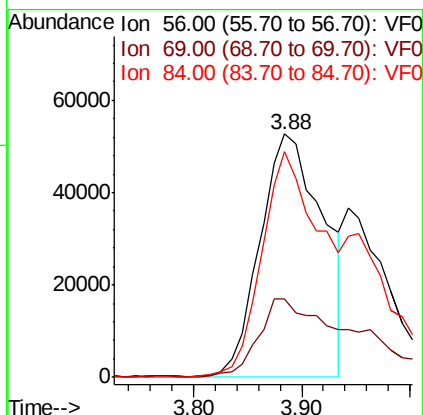
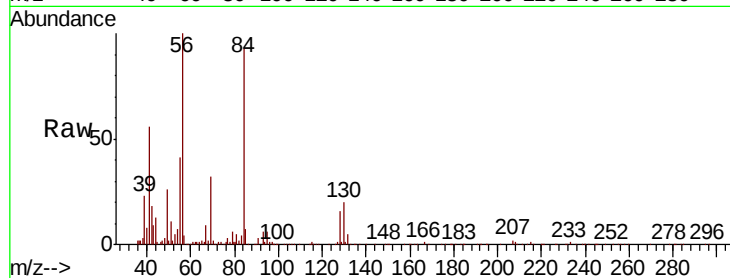




#31
Cyclohexane
Concen: 13.589 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

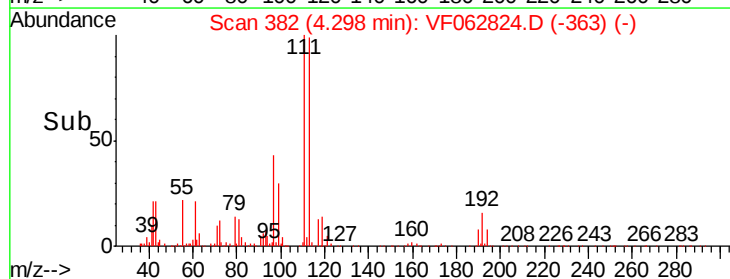
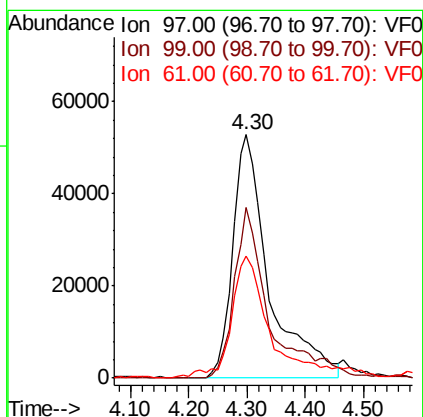
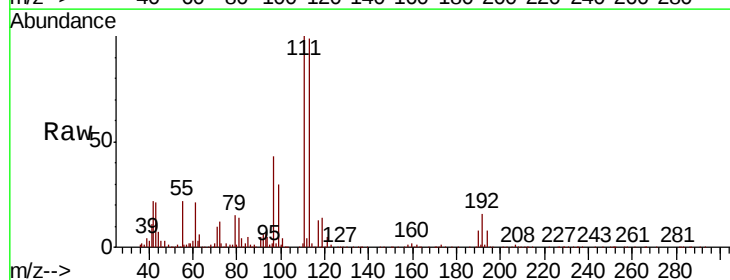
Instrument :
MSVOA_F
ClientSampleId :

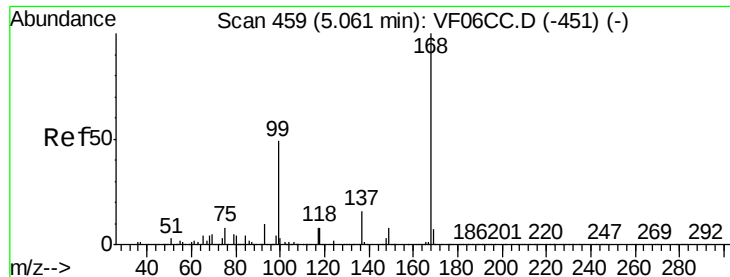
Tot Ion: 56 Resp: 214098
Ion Ratio Lower Upper
56 100
69 32.2 26.7 40.1
84 92.9 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 24.022 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 97 Resp: 229392
Ion Ratio Lower Upper
97 100
99 70.2 51.7 77.5
61 50.0 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 52.963 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

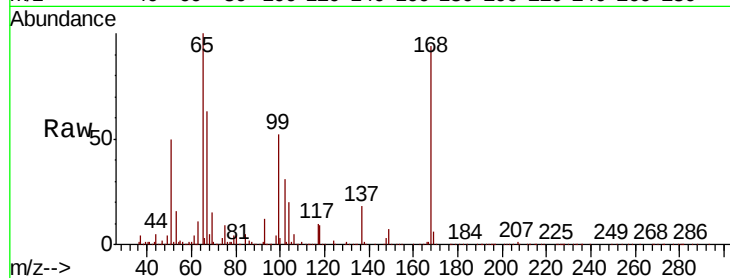
ClientSampleId :

Tot Ion: 65 Resp: 311648

Ion Ratio Lower Upper

65 100

67 63.2 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

120000

100000

80000

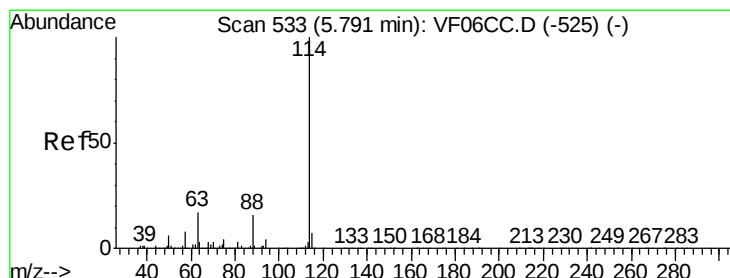
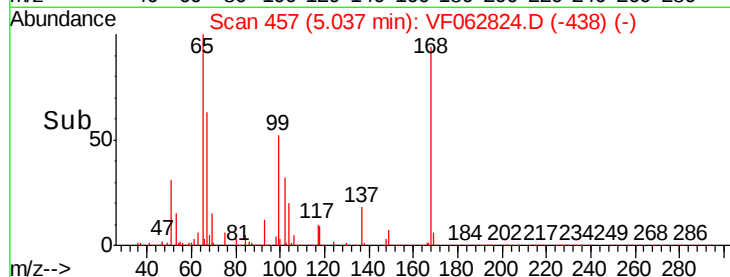
60000

40000

20000

0

Time--> 4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

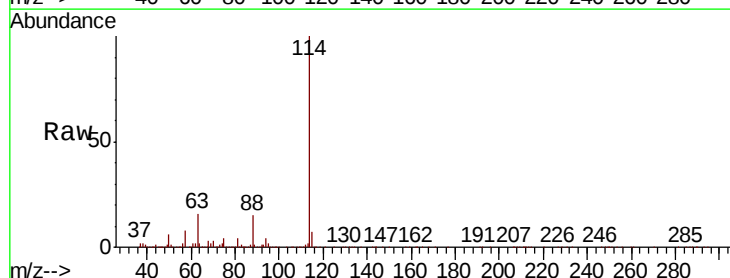
Tgt Ion: 114 Resp: 1359644

Ion Ratio Lower Upper

114 100

63 15.7 0.0 34.2

88 15.4 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

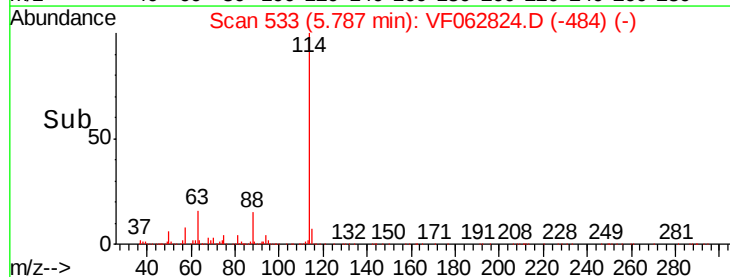
600000

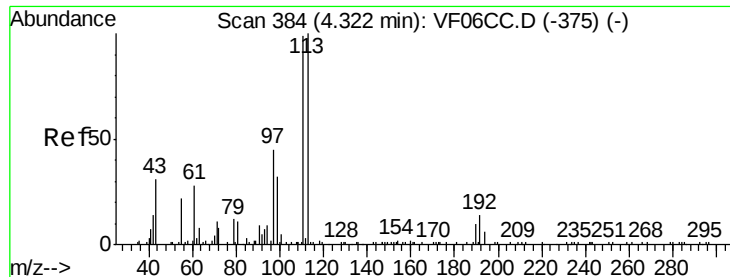
400000

200000

0

Time--> 5.60 5.70 5.80 5.90 6.00

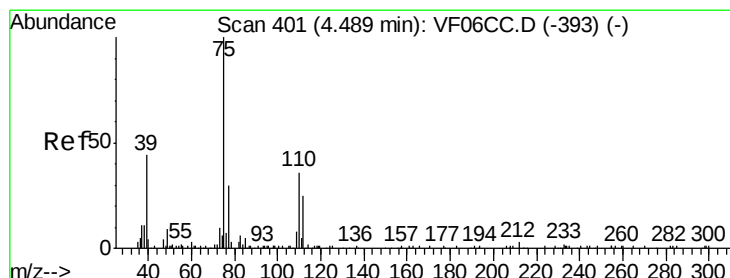
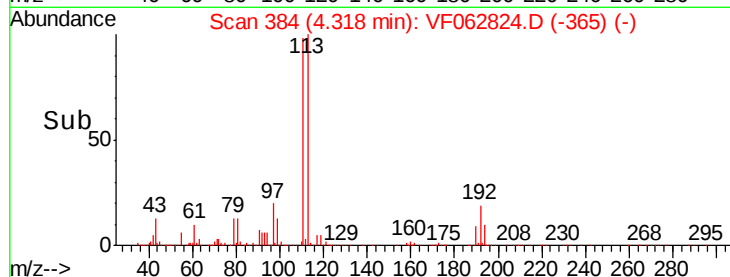
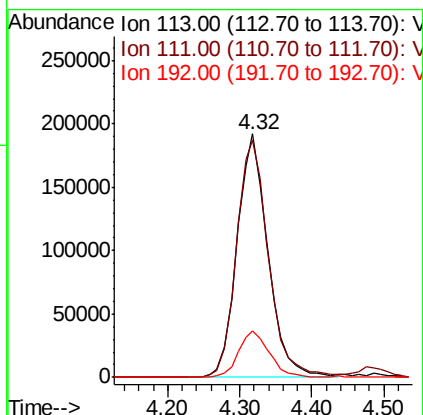
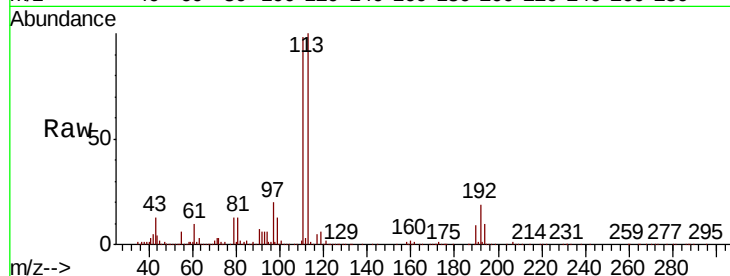




#35
Dibromofluoromethane
Concen: 55.869 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

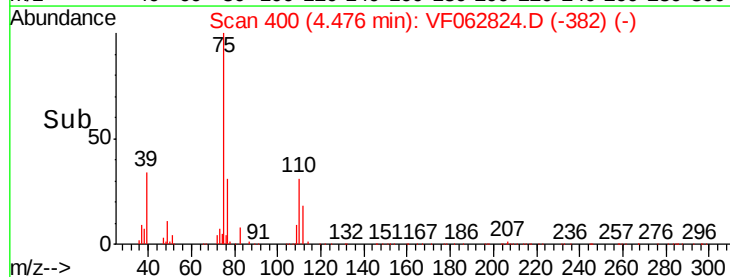
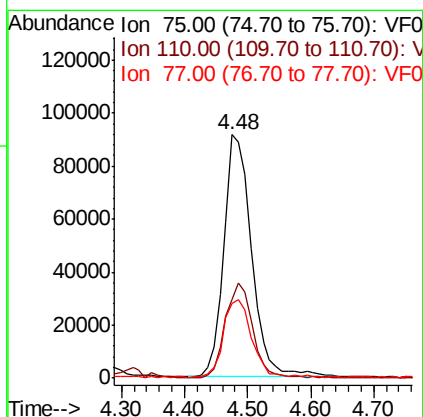
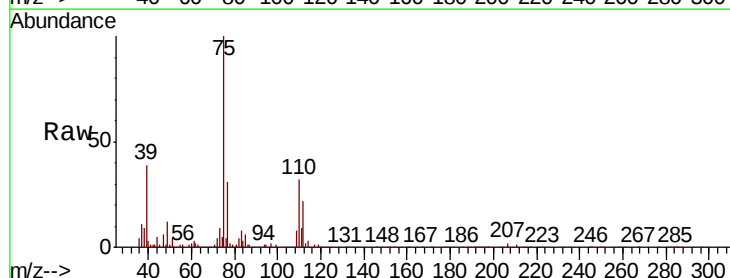
Instrument :
MSVOA_F
ClientSampleId :

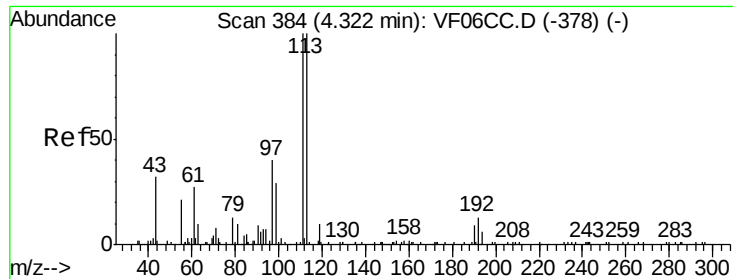
Tot Ion:113 Resp: 574013
Ion Ratio Lower Upper
113 100
111 97.7 81.9 122.9
192 19.0 15.1 22.7



#36
1,1-Dichloropropene
Concen: 22.348 ug/l
RT: 4.48 min Scan# 400
Delta R.T. -0.03 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 75 Resp: 279725
Ion Ratio Lower Upper
75 100
110 32.1 19.4 58.1
77 30.8 25.4 38.2





#37

Ethyl Acetate

Concen: 23.356 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

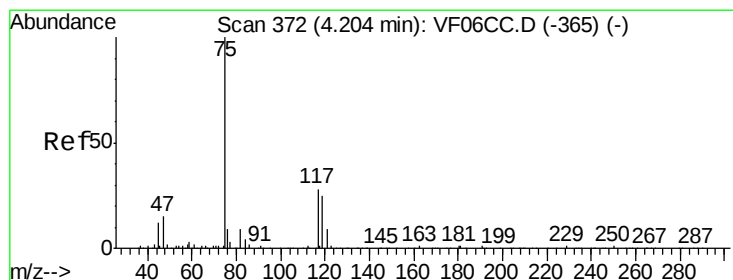
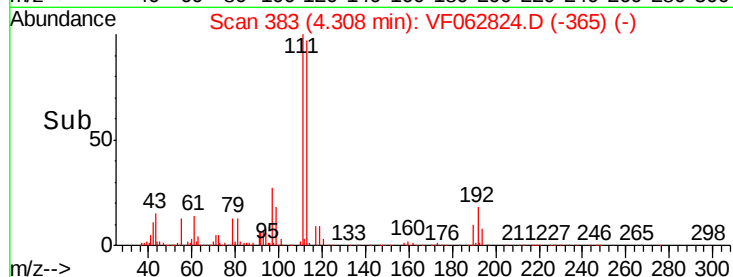
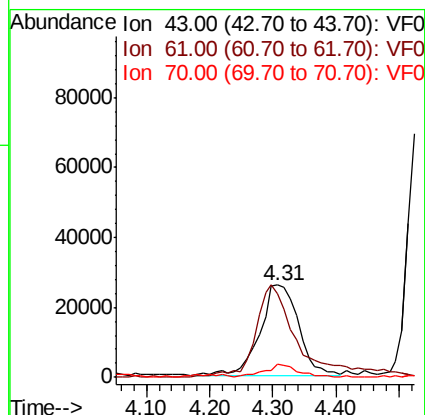
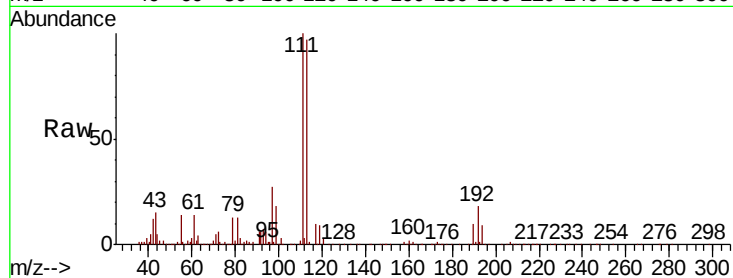
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 111754

Ion	Ratio	Lower	Upper
43	100		
61	91.1	59.1	88.7#
70	13.9	10.1	15.1



#38

Carbon Tetrachloride

Concen: 23.391 ug/l

RT: 4.19 min Scan# 371

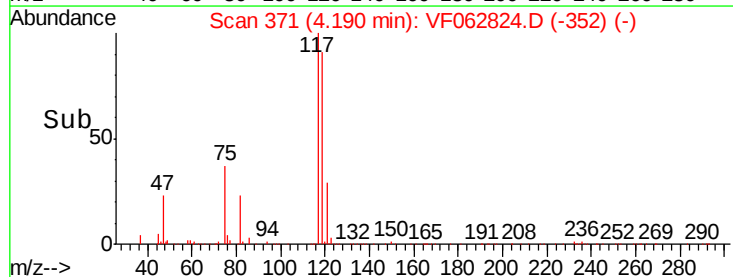
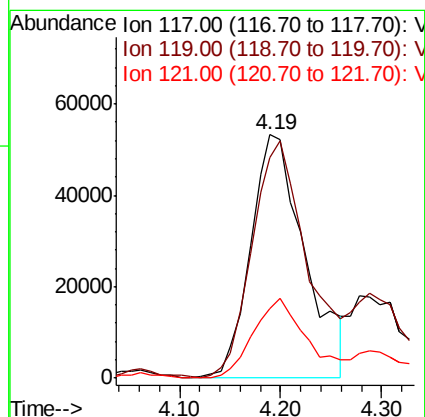
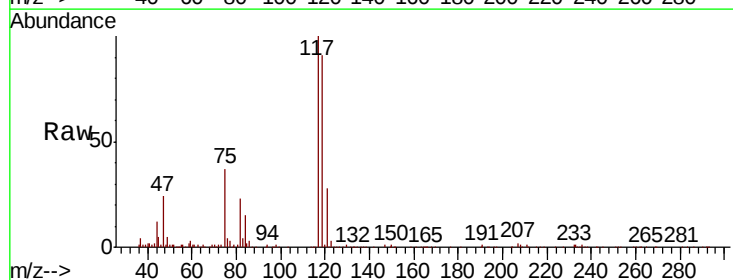
Delta R.T. -0.02 min

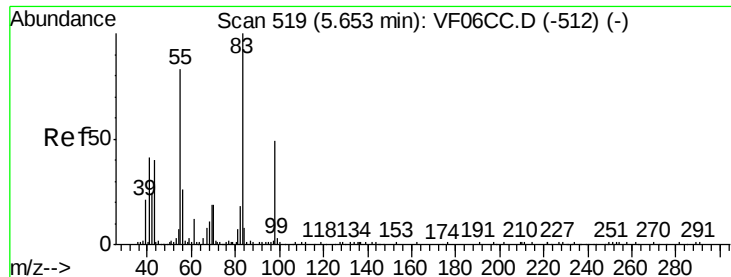
Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Tgt Ion: 117 Resp: 197874

Ion	Ratio	Lower	Upper
117	100		
119	90.6	78.2	117.2
121	28.8	28.2	42.2

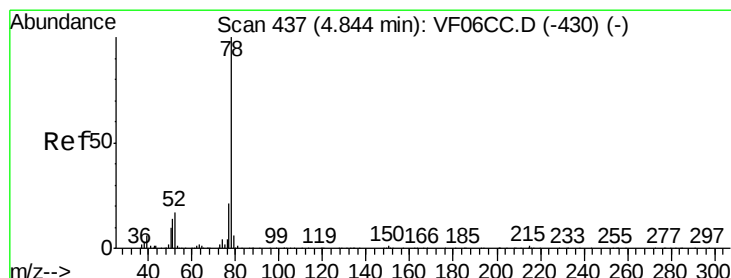
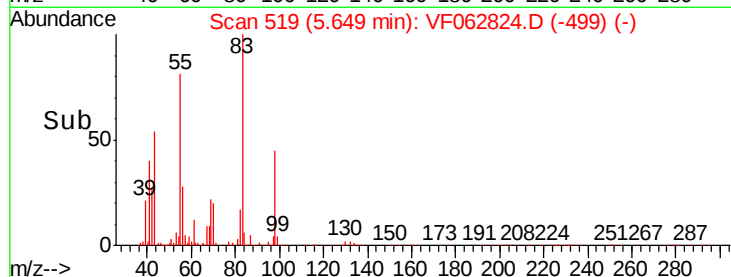
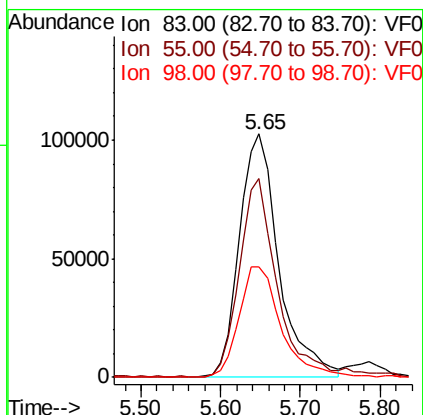
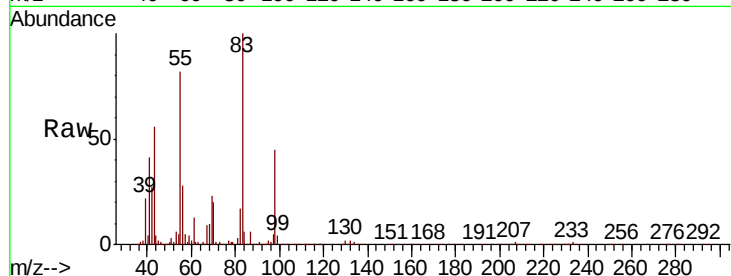




#39
Methvlcvclohexane
Concen: 22.677 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

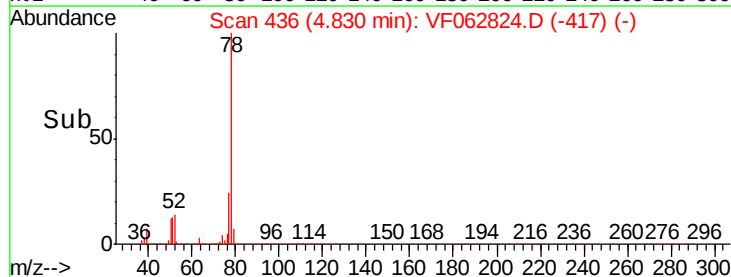
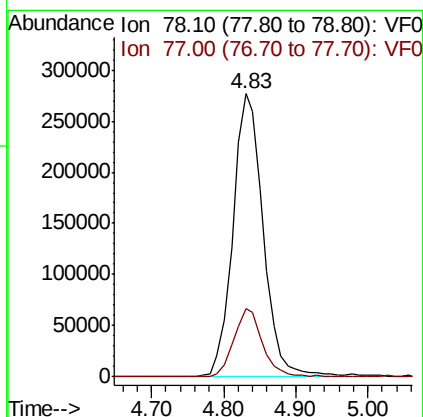
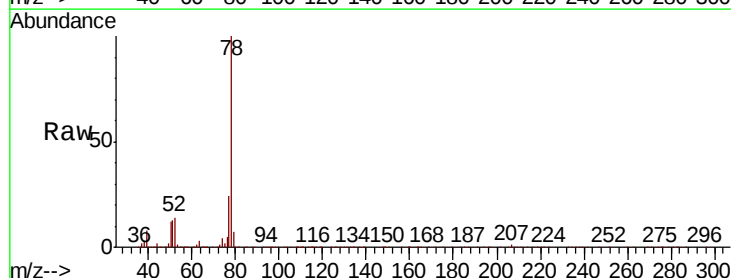
Instrument :
MSVOA_F
ClientSampleId :

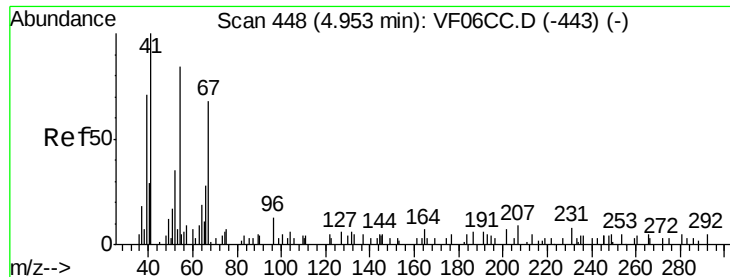
Tot Ion: 83 Resp: 353266
Ion Ratio Lower Upper
83 100
55 81.6 61.6 92.4
98 45.4 37.4 56.2



#40
Benzene
Concen: 22.087 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 78 Resp: 804603
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3

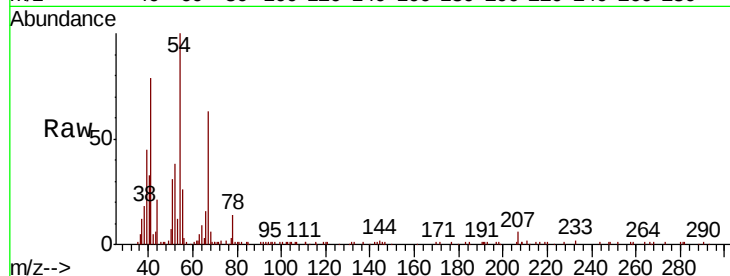




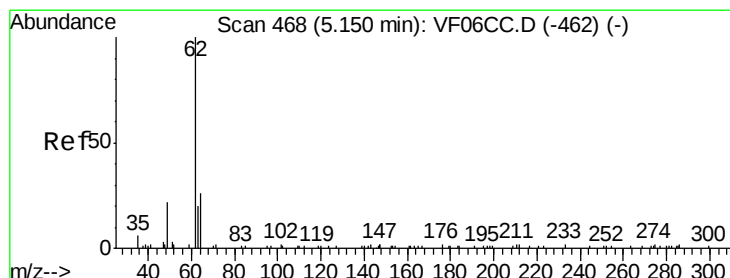
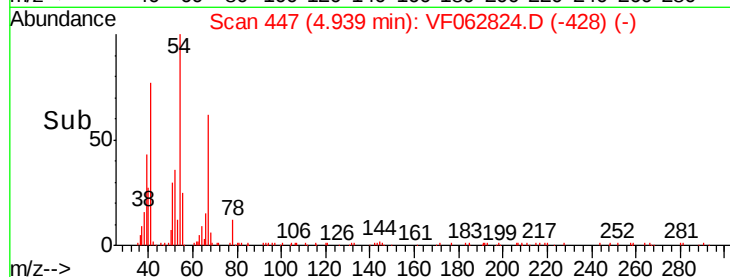
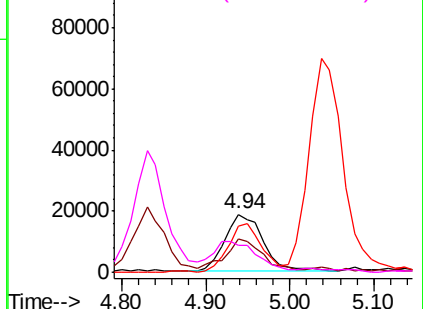
#41
Methacrylonitrile
Concen: 22.148 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	58913
Ion	Ratio	Lower	Upper
41	100		
39	57.5	42.0	63.0
67	79.3	61.4	92.0
52	47.6	42.1	63.1

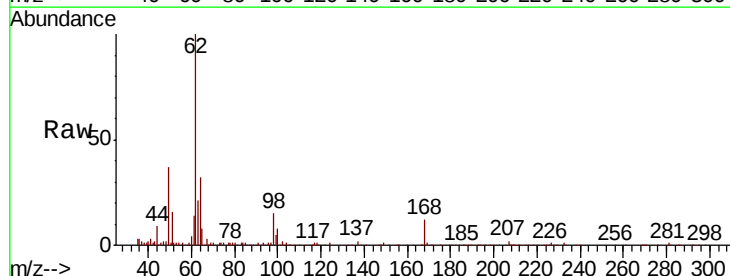


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

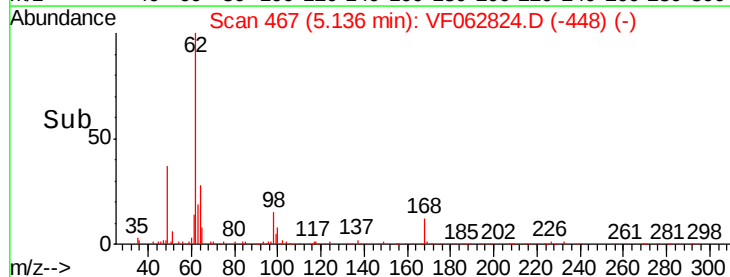
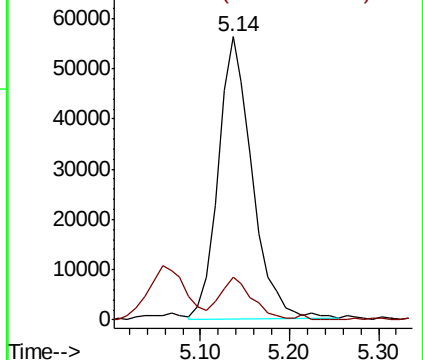


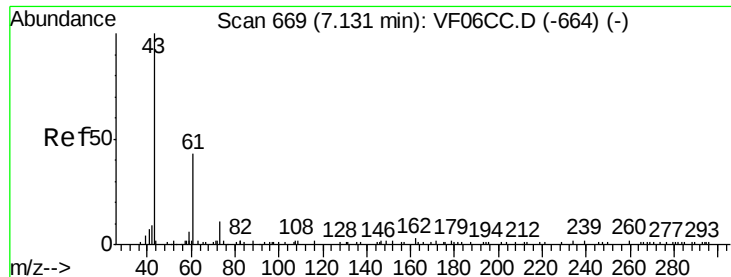
#42
1,2-Dichloroethane
Concen: 21.532 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion:	62	Resp:	149184
Ion	Ratio	Lower	Upper
62	100		
98	15.2	0.0	24.0



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





#43

Isopropyl Acetate

Concen: 22.931 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

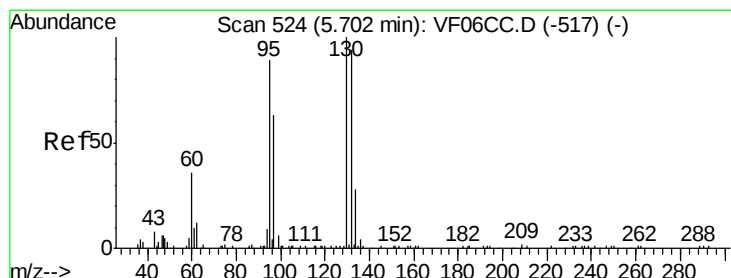
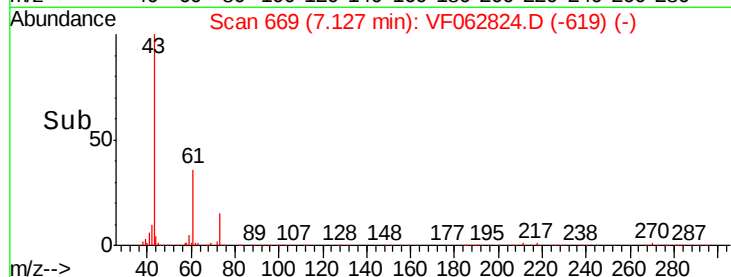
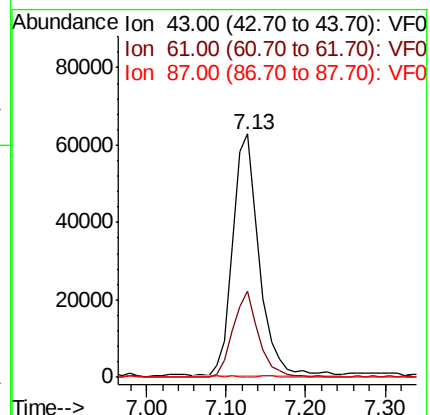
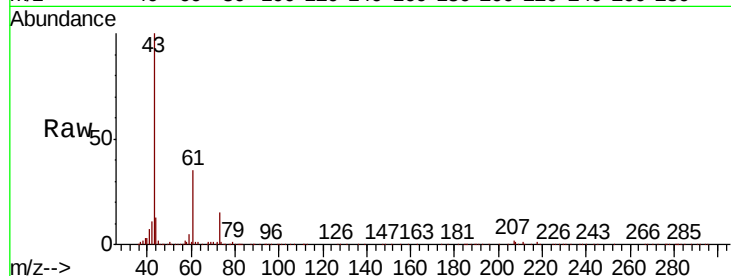
Tot Ion: 43 Resp: 144938

Ion Ratio Lower Upper

43 100

61 35.2 29.8 44.6

87 0.4 0.3 0.5



#44

Trichloroethene

Concen: 23.186 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.01 min

Lab File: VF062824.D

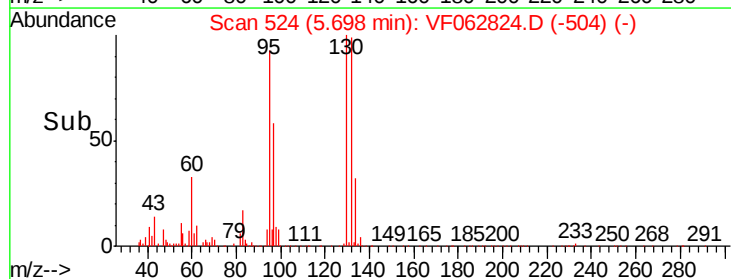
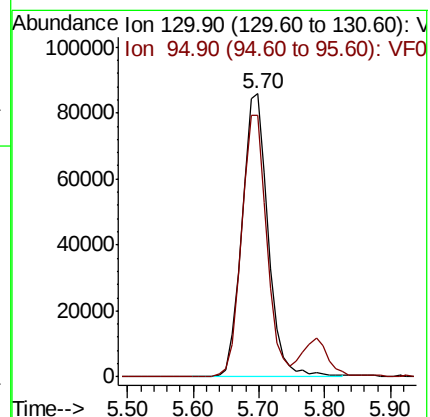
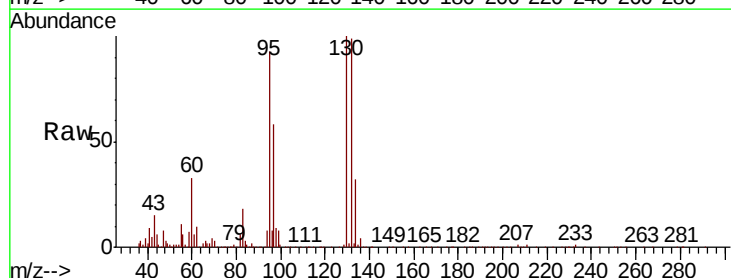
Acq: 3 Jun 2019 13:04

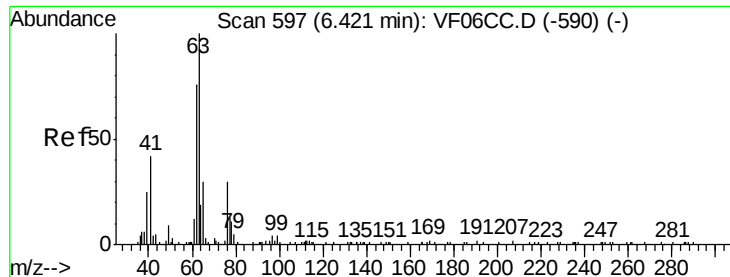
Tgt Ion: 130 Resp: 238377

Ion Ratio Lower Upper

130 100

95 92.6 0.0 188.2





#45

1,2-Dichloropropane

Concen: 22.124 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

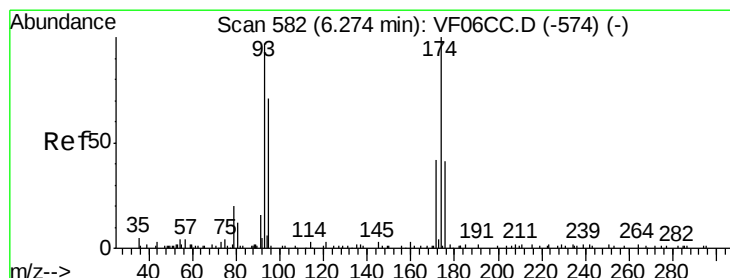
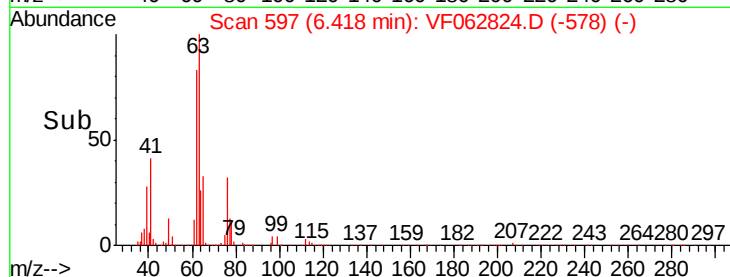
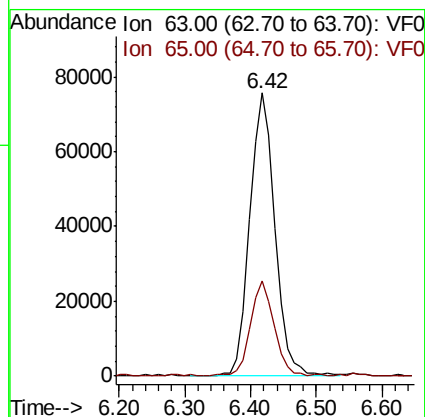
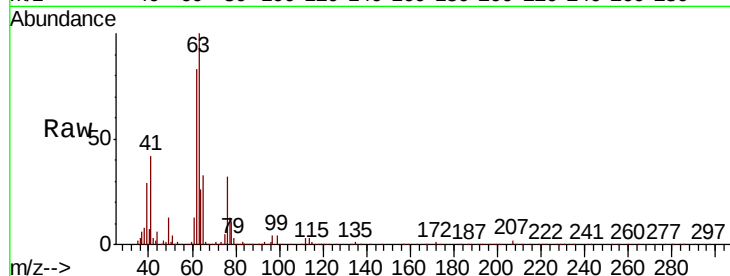
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 202248

Ion Ratio Lower Upper

63 100

65 33.5 24.2 36.2



#46

Dibromomethane

Concen: 22.085 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

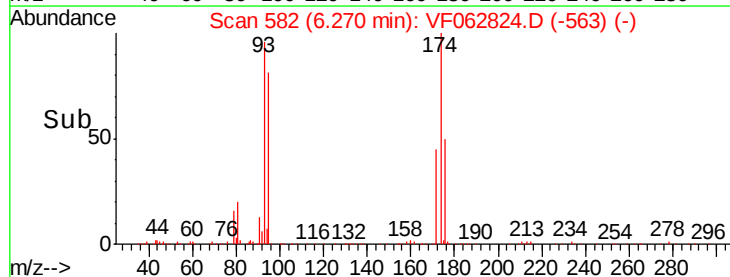
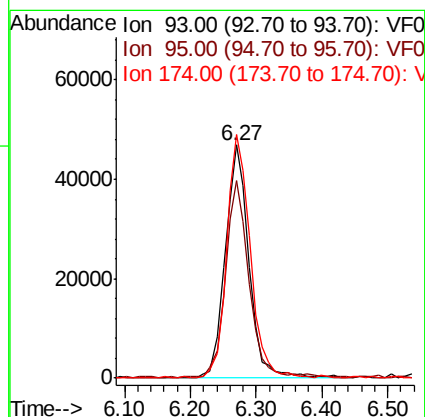
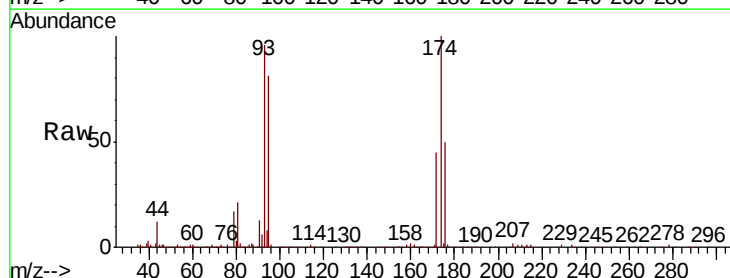
Tgt Ion: 93 Resp: 117874

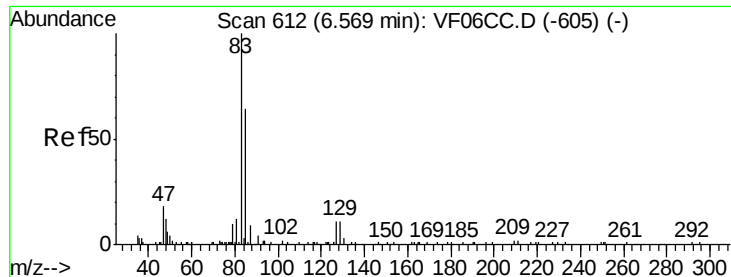
Ion Ratio Lower Upper

93 100

95 84.7 67.9 101.9

174 104.3 85.0 127.4





#47

Bromodichloromethane

Concen: 22.035 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

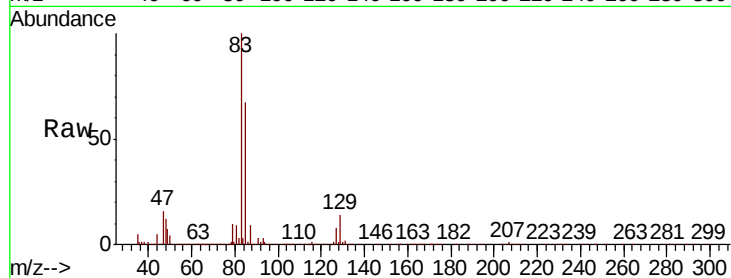
Tot Ion: 83 Resp: 239512

Ion Ratio Lower Upper

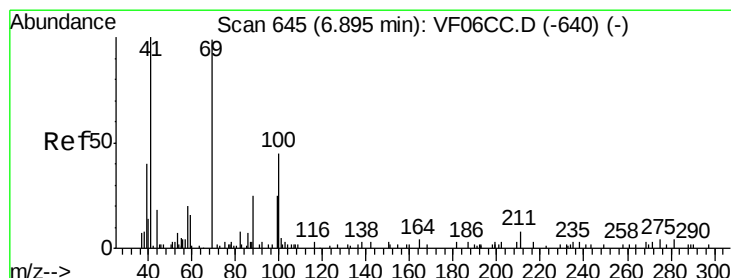
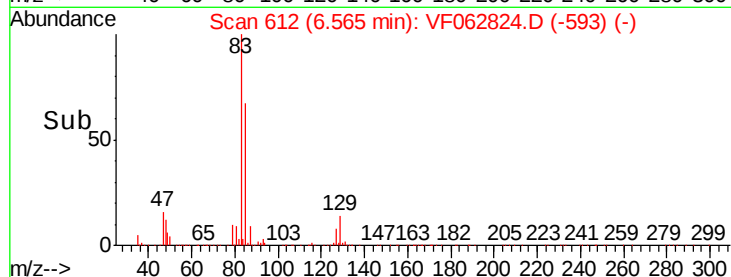
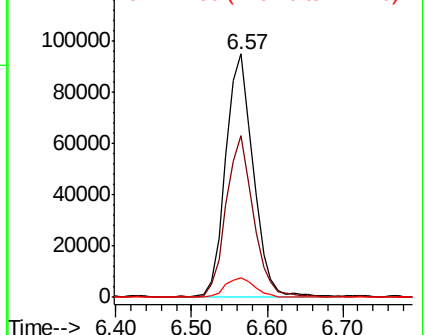
83 100

85 66.7 54.2 81.4

127 8.2 7.0 10.4



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



#48

Methyl methacrylate

Concen: 21.865 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

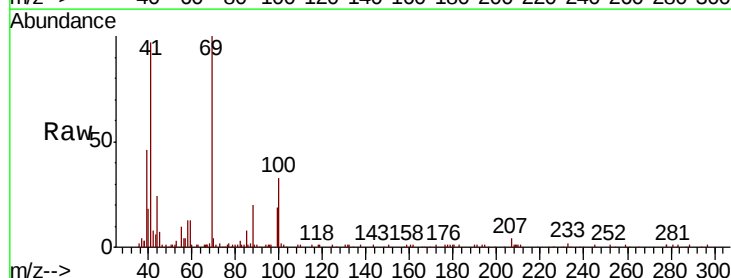
Tgt Ion: 41 Resp: 71224

Ion Ratio Lower Upper

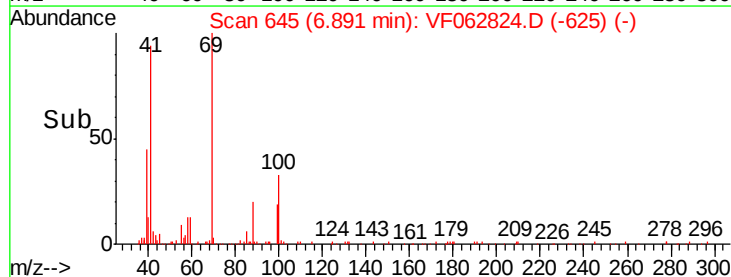
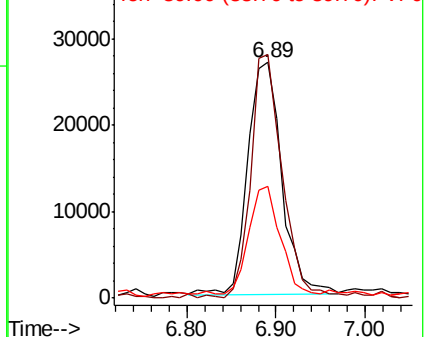
41 100

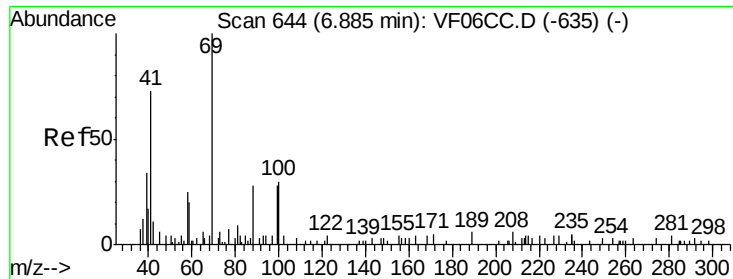
69 103.3 79.4 119.2

39 47.6 39.8 59.6



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

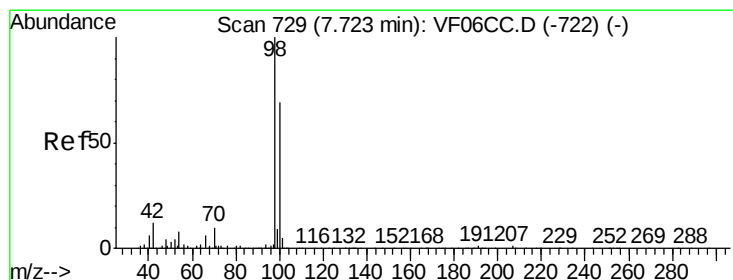
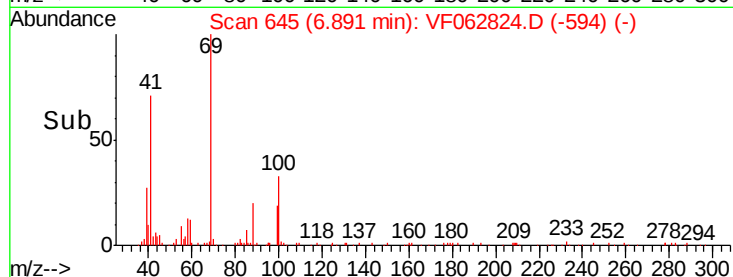
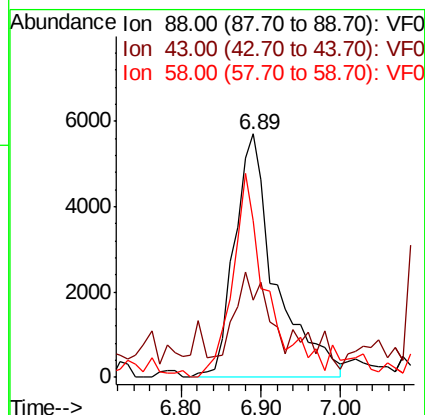
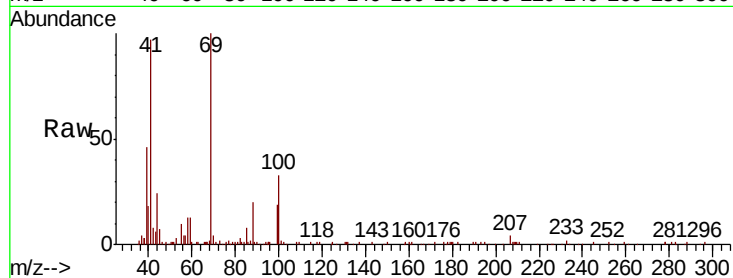




#49
1,4-Dioxane
Concen: 475.630 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

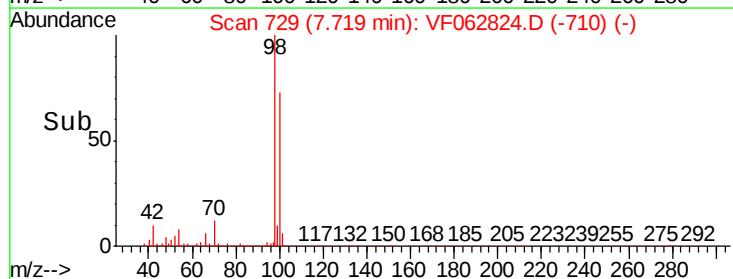
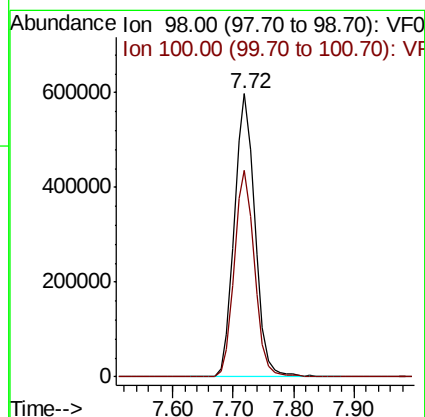
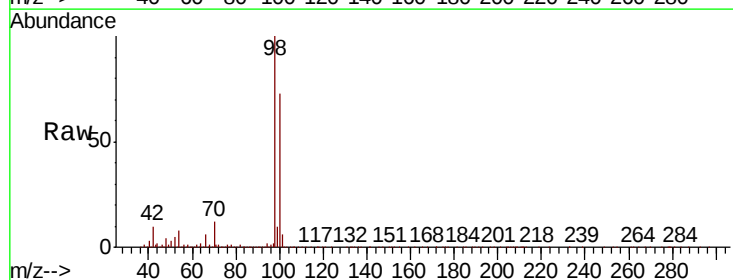
Instrument :
MSVOA_F
ClientSampleId :

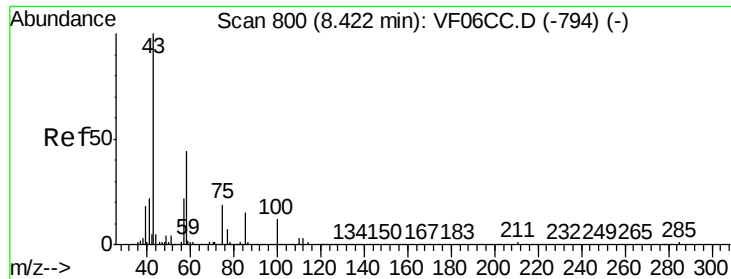
Tot Ion: 88 Resp: 20422
Ion Ratio Lower Upper
88 100
43 31.8 34.8 52.2#
58 64.3 59.9 89.9



#50
Toluene-d8
Concen: 54.746 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 98 Resp: 1422355
Ion Ratio Lower Upper
98 100
100 73.1 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 114.076 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

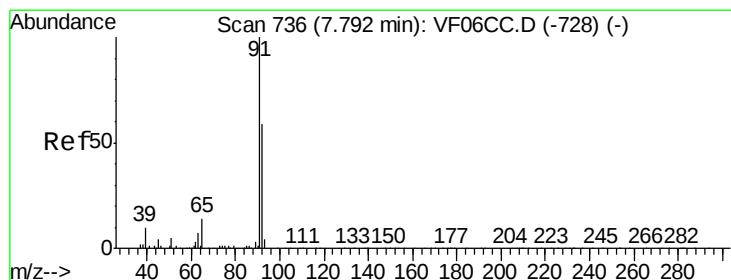
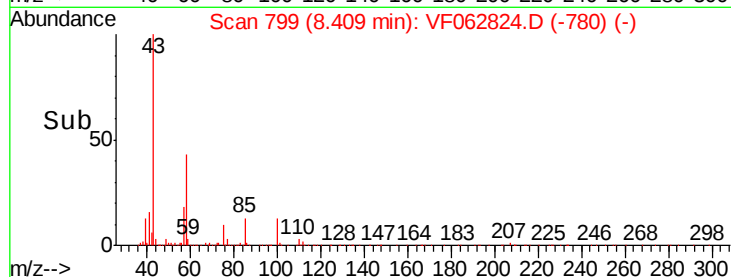
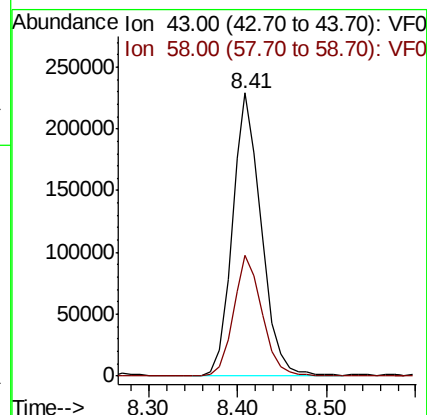
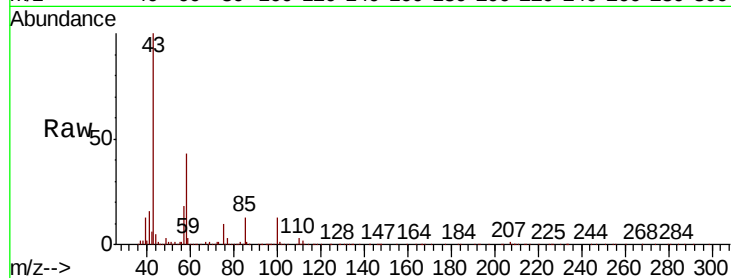
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 514775

Ion Ratio Lower Upper

43 100

58 42.6 35.5 53.3



#52

Toluene

Concen: 22.065 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062824.D

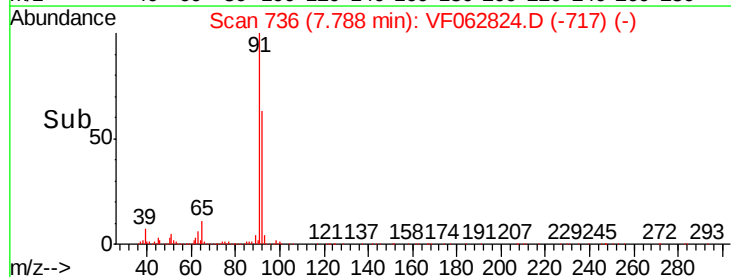
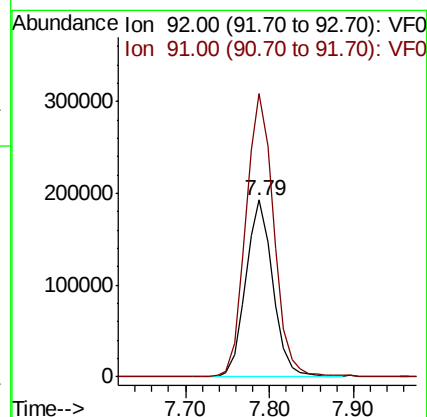
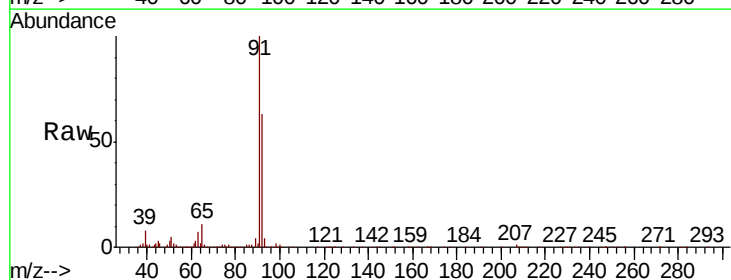
Acq: 3 Jun 2019 13:04

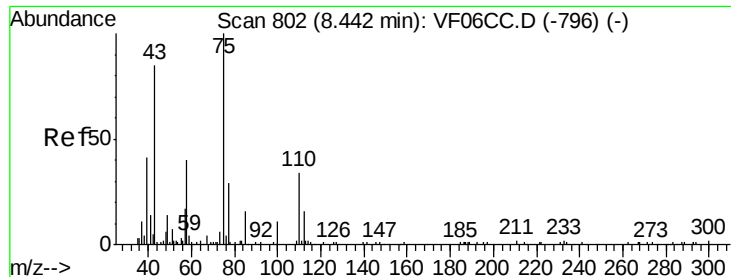
Tgt Ion: 92 Resp: 432939

Ion Ratio Lower Upper

92 100

91 159.9 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 22.225 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

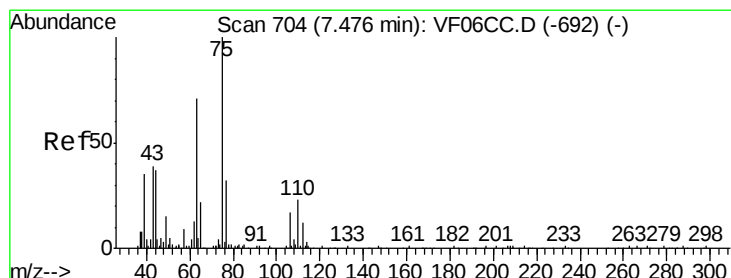
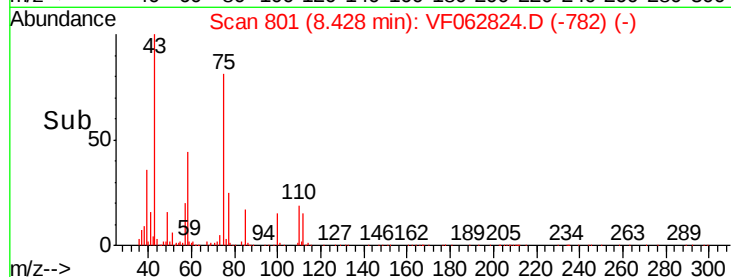
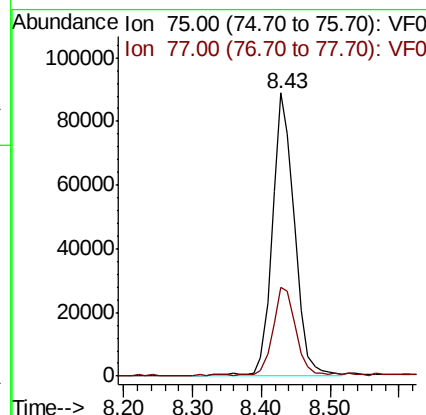
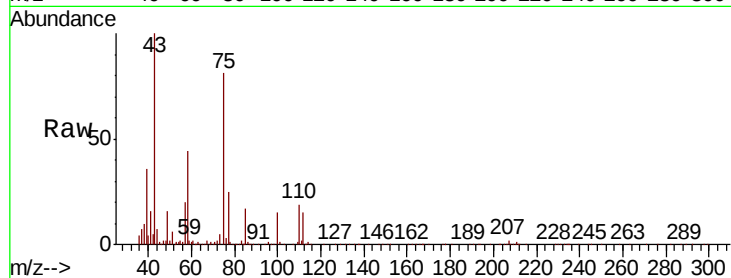
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 200187

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 21.072 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

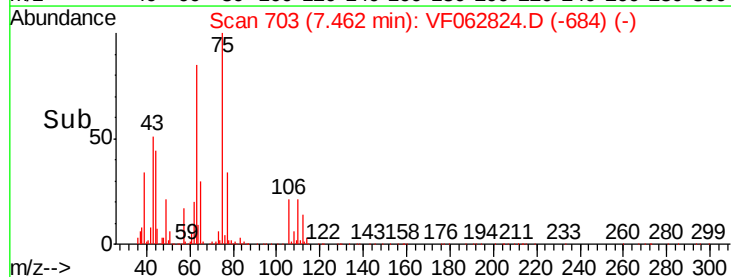
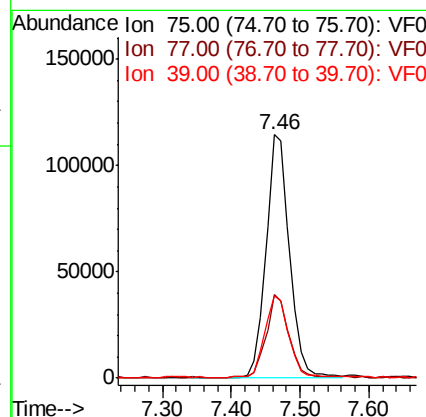
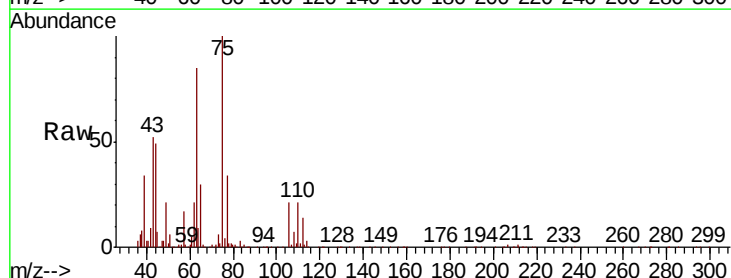
Tgt Ion: 75 Resp: 274740

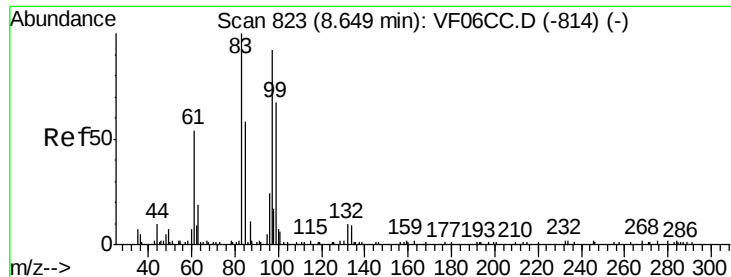
Ion Ratio Lower Upper

75 100

77 34.4 25.8 38.8

39 33.9 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 21.924 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 128510

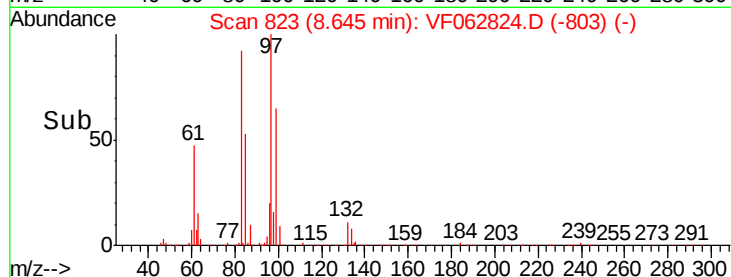
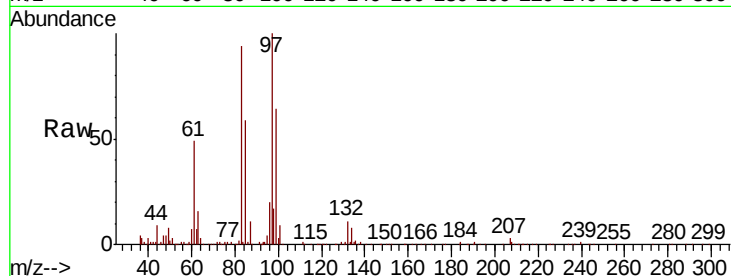
Ion	Ratio	Lower	Upper
97	100		
83	93.5	72.0	108.0
85	58.6	47.5	71.3
99	64.4	54.1	81.1

97 100

83 93.5 72.0 108.0

85 58.6 47.5 71.3

99 64.4 54.1 81.1

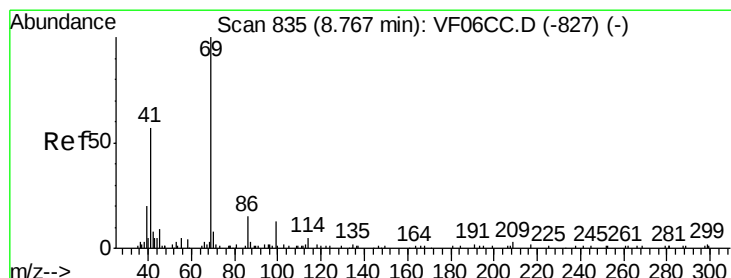
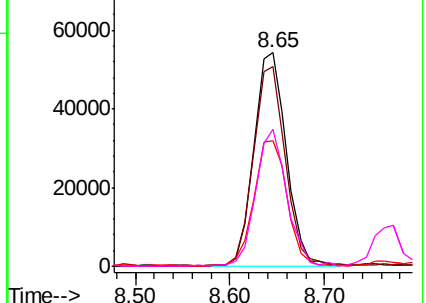


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.738 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

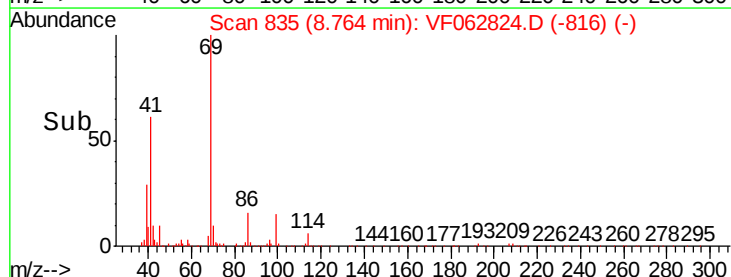
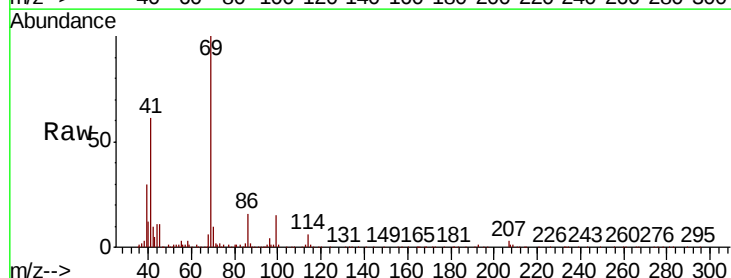
Tgt Ion: 69 Resp: 136716

Ion	Ratio	Lower	Upper
69	100		
41	61.4	46.6	69.8
39	30.1	19.6	29.4

69 100

41 61.4 46.6 69.8

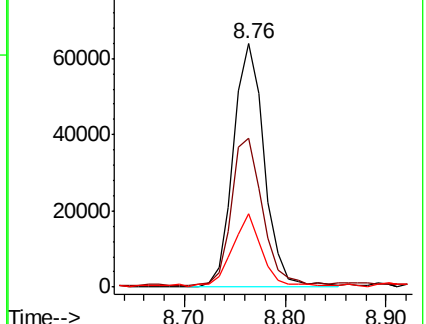
39 30.1 19.6 29.4

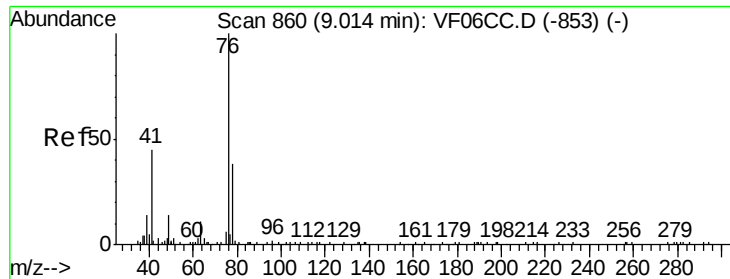


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

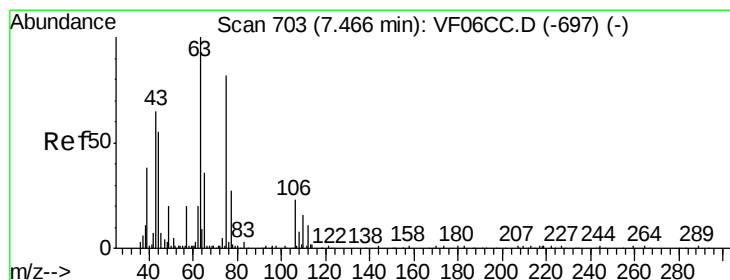
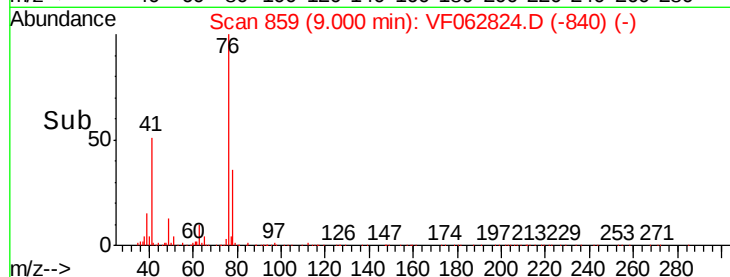
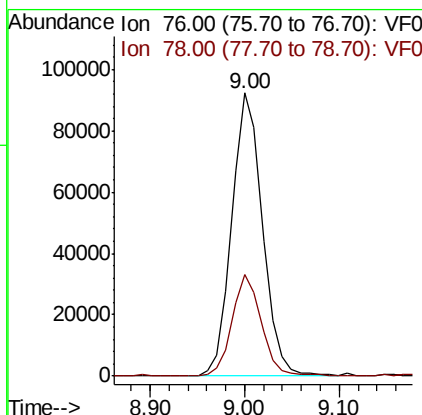
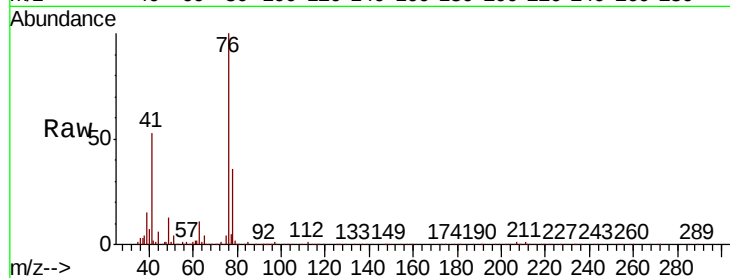




#57
 1,3-Dichloropropane
 Concen: 21.669 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF062824.D
 Acq: 3 Jun 2019 13:04

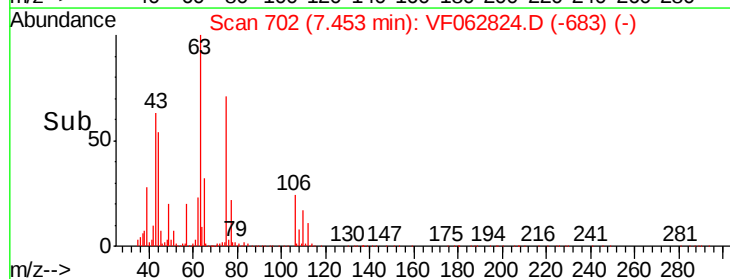
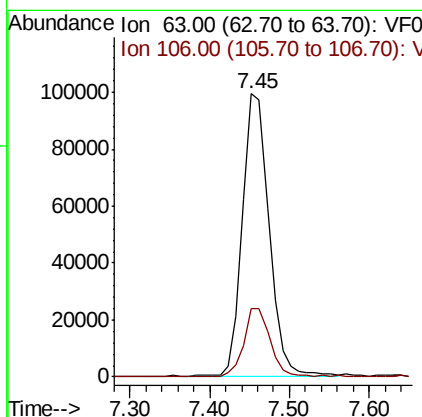
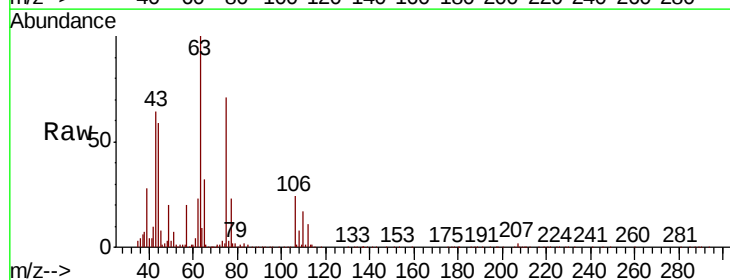
Instrument :
 MSVOA_F
 ClientSampleId :

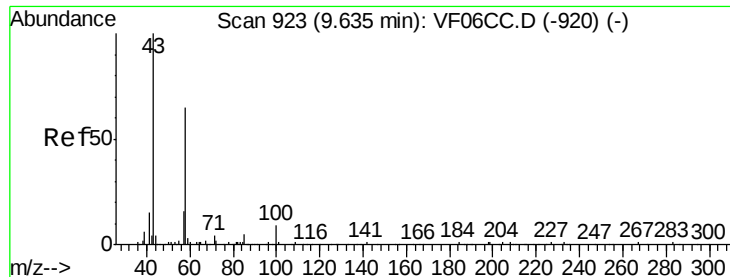
Tot Ion: 76 Resp: 207417
 Ion Ratio Lower Upper
 76 100
 78 36.0 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.784 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062824.D
 Acq: 3 Jun 2019 13:04

Tgt Ion: 63 Resp: 230322
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.5 29.3

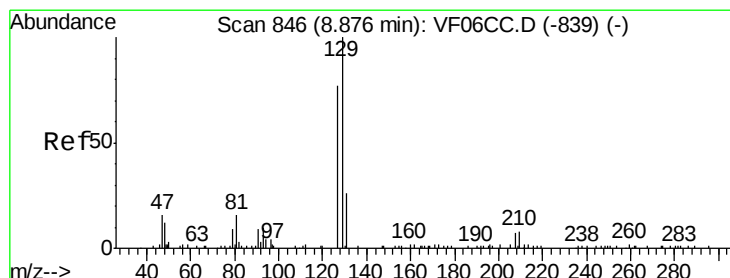
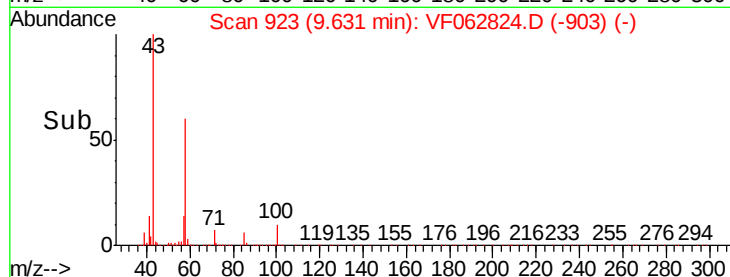
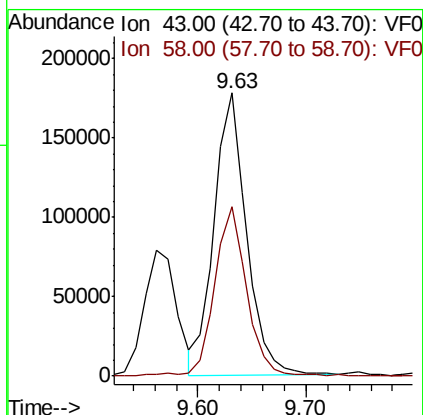
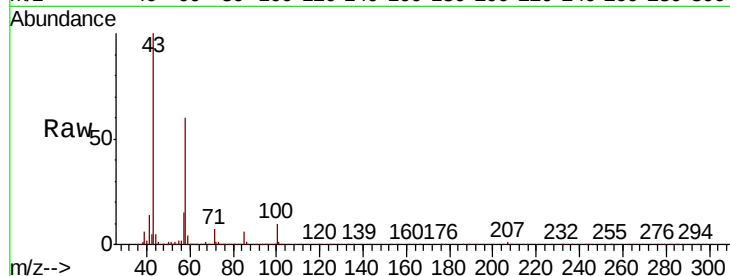




#59
2-Hexanone
Concen: 115.271 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

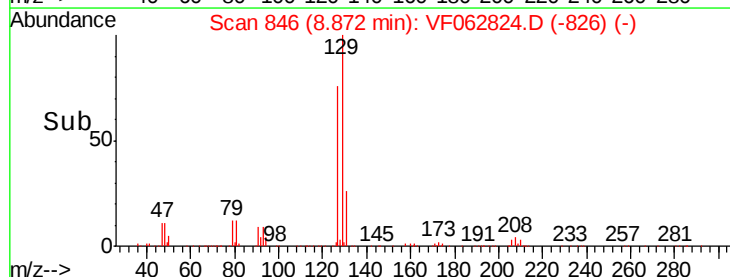
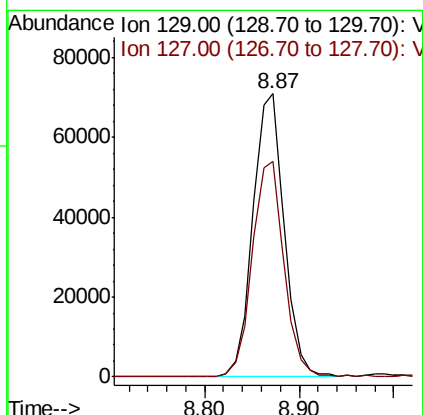
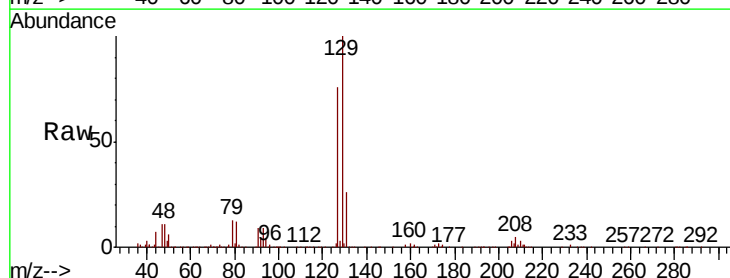
Instrument :
MSVOA_F
ClientSampleId :

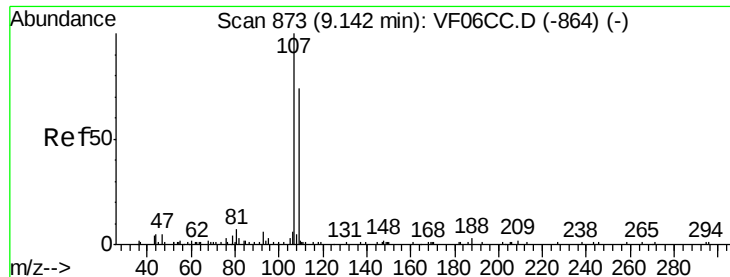
Tot Ion: 43 Resp: 370758
Ion Ratio Lower Upper
43 100
58 59.8 29.3 87.9



#60
Dibromochloromethane
Concen: 22.471 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 129 Resp: 163075
Ion Ratio Lower Upper
129 100
127 76.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 23.167 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

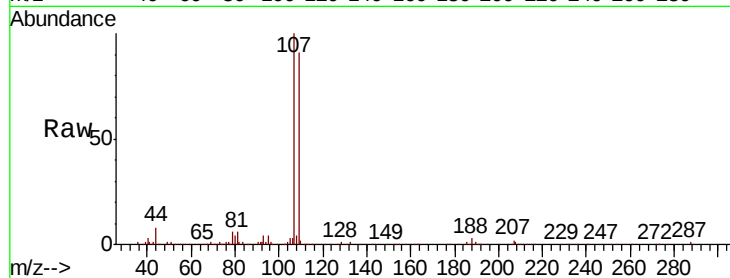
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 141034

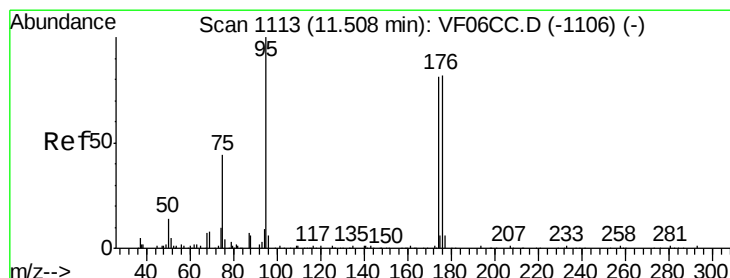
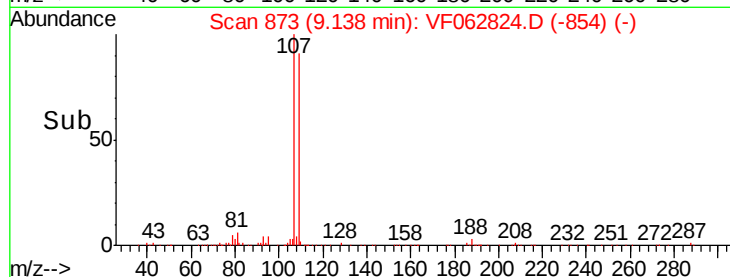
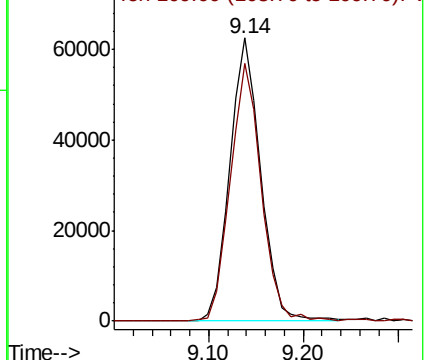
Ion Ratio Lower Upper

107 100

109 91.2 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 57.154 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

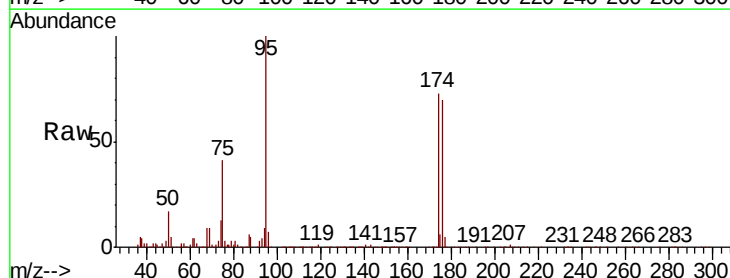
Tgt Ion: 95 Resp: 534146

Ion Ratio Lower Upper

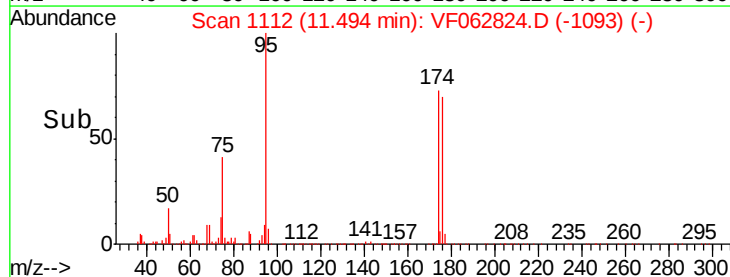
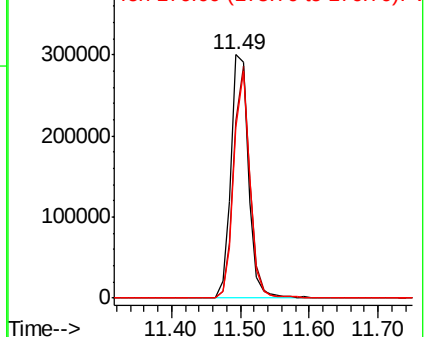
95 100

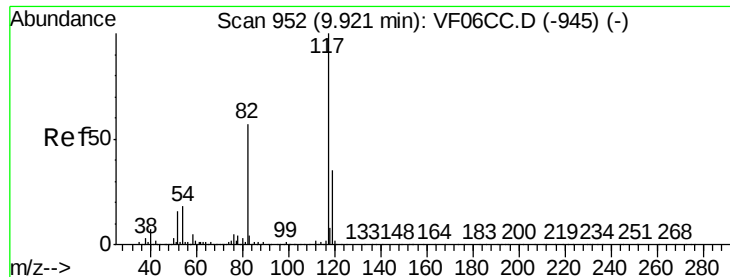
174 72.7 0.0 170.6

176 69.9 0.0 170.6



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

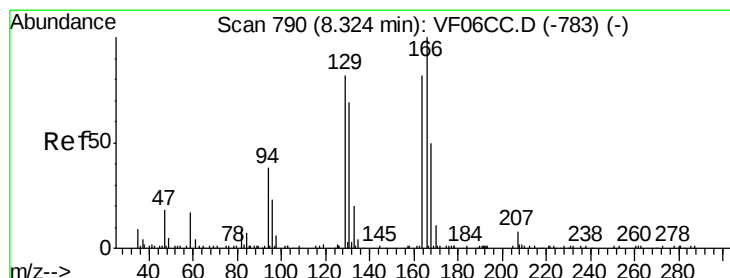
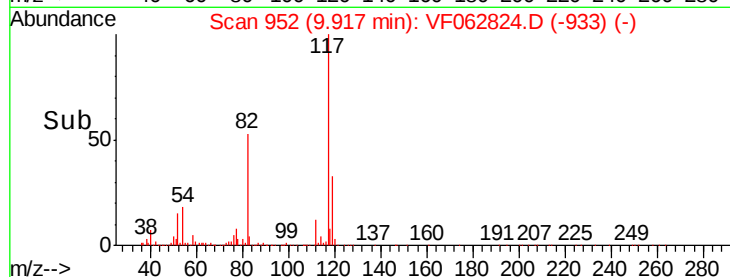
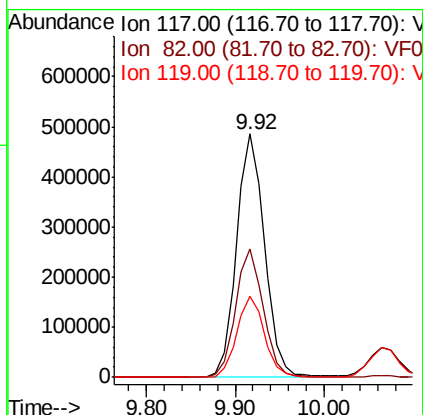
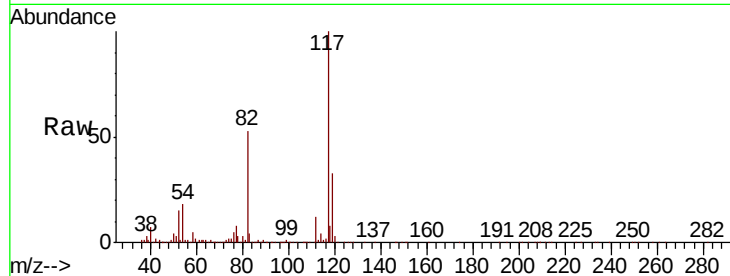




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

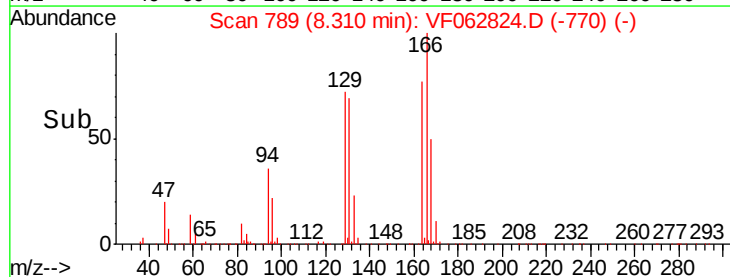
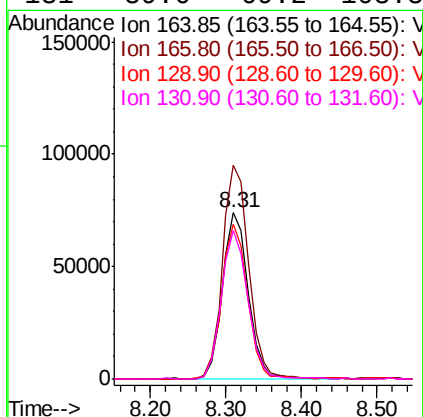
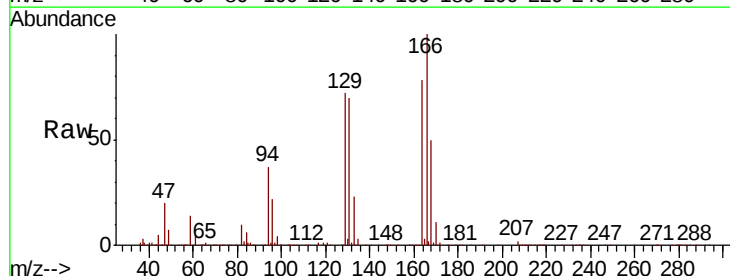
Instrument :
MSVOA_F
ClientSampleId :

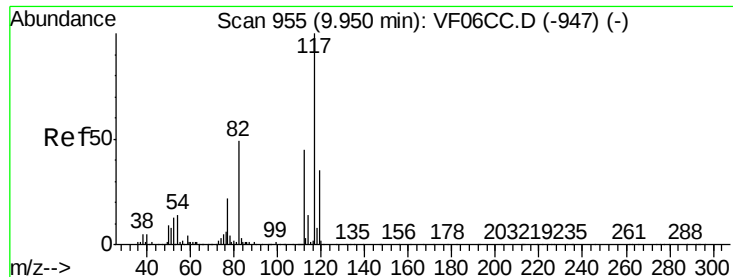
Tot Ion:117 Resp: 1063801
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 33.5 27.1 40.7



#64
Tetrachloroethene
Concen: 21.419 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion:164 Resp: 175092
Ion Ratio Lower Upper
164 100
166 128.8 99.1 148.7
129 93.0 69.5 104.3
131 89.6 69.2 103.8





#65

Chlorobenzene

Concen: 21.696 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

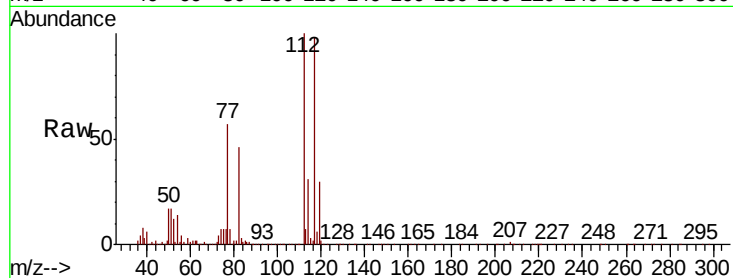
ClientSampleId :

Tot Ion:112 Resp: 445711

Ion Ratio Lower Upper

112 100

114 31.4 27.4 41.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

200000

150000

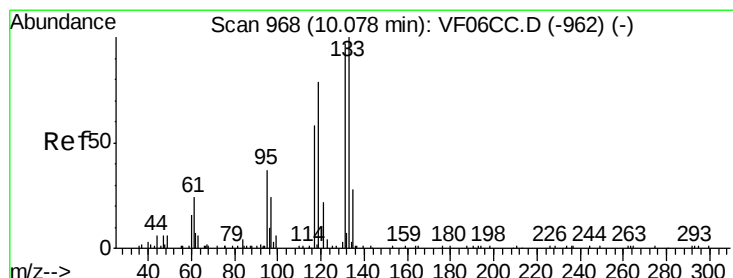
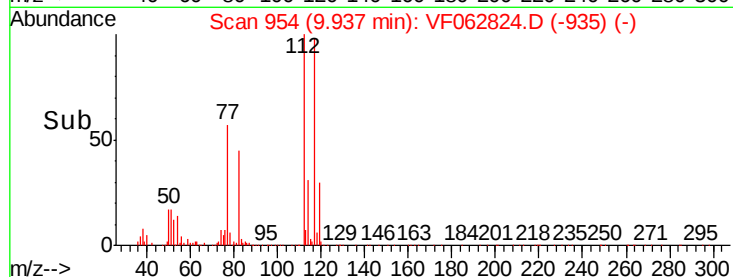
100000

50000

0

9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.766 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

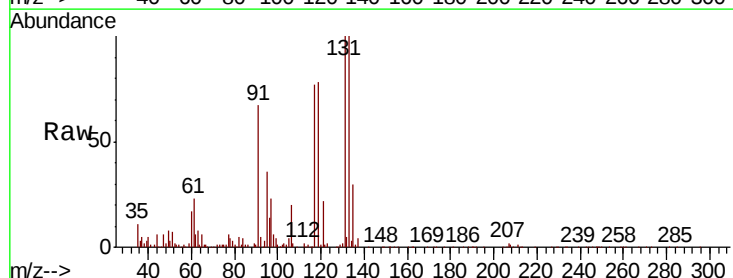
Tgt Ion:131 Resp: 178079

Ion Ratio Lower Upper

131 100

133 100.1 48.9 146.7

119 77.8 38.0 114.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

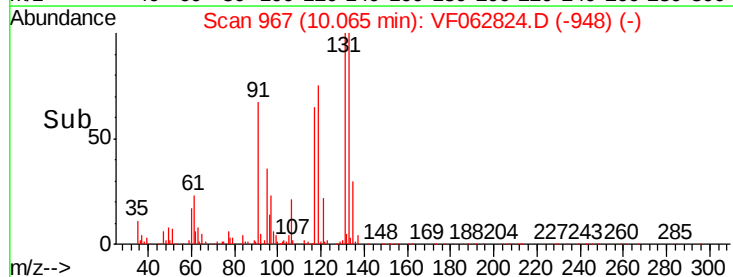
100000

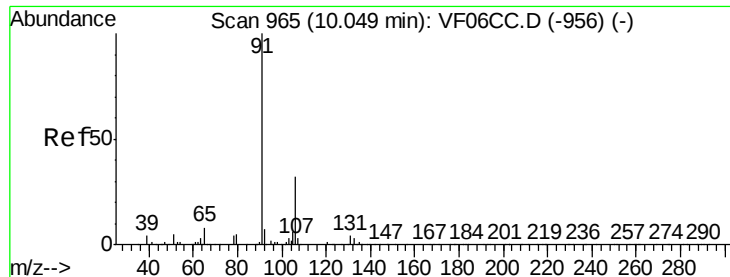
50000

0

9.90 10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 22.187 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

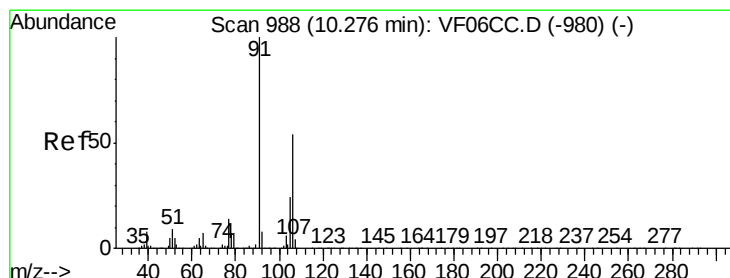
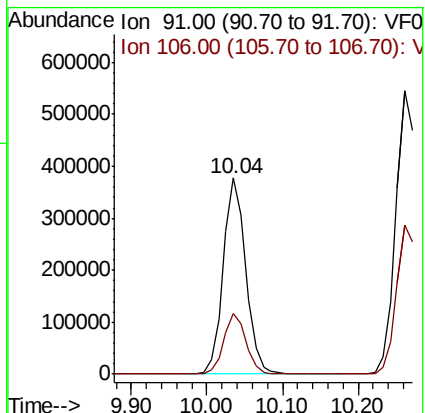
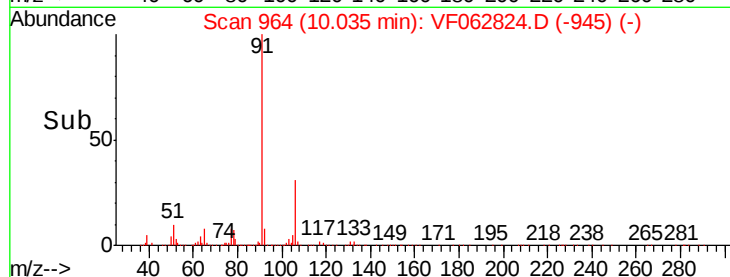
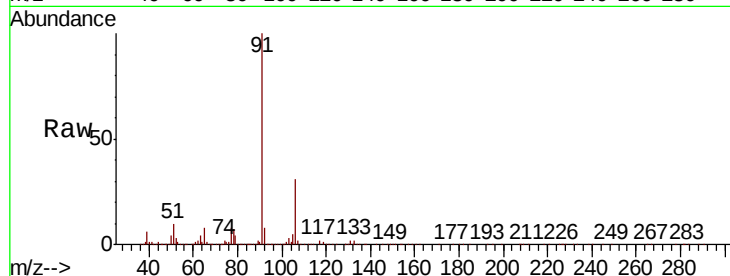
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 782160

Ion Ratio Lower Upper

91 100

106 30.6 26.0 39.0



#68

m/p-Xylenes

Concen: 42.816 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062824.D

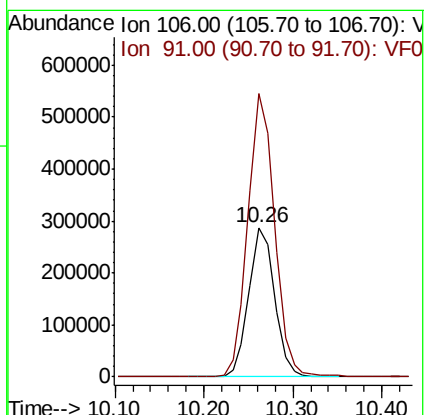
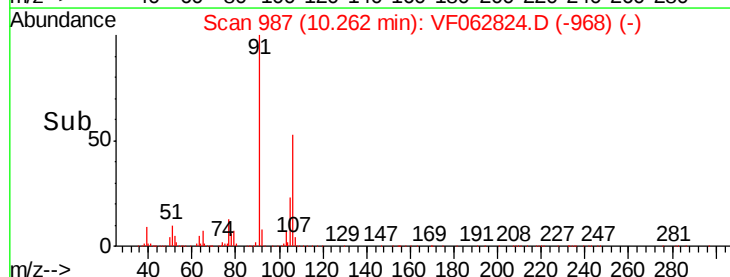
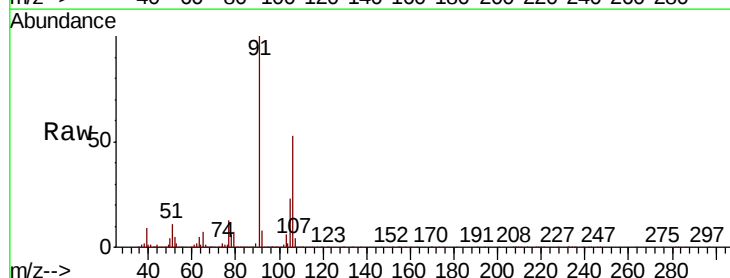
Acq: 3 Jun 2019 13:04

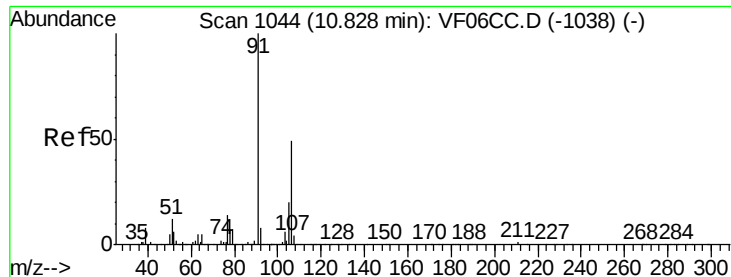
Tgt Ion: 106 Resp: 577606

Ion Ratio Lower Upper

106 100

91 189.8 136.2 204.4

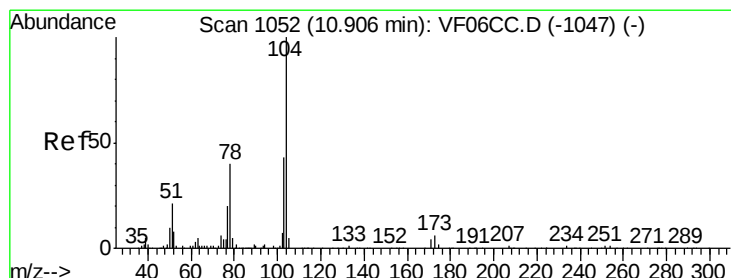
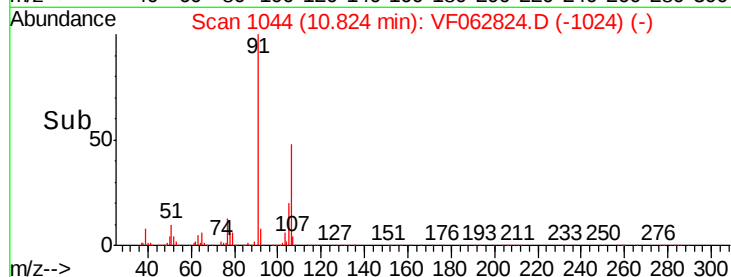
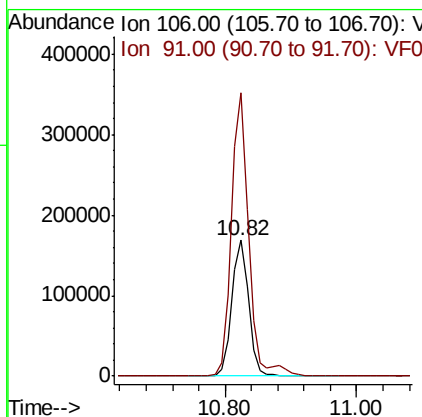
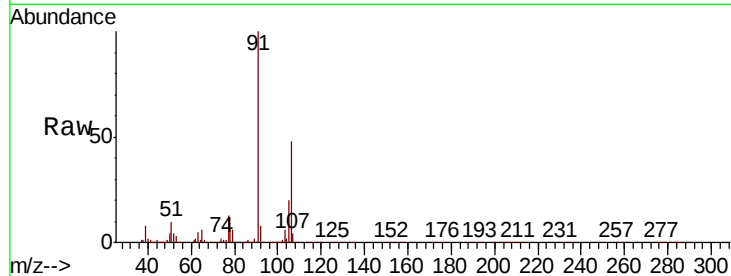




#69
o-Xylene
Concen: 22.257 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

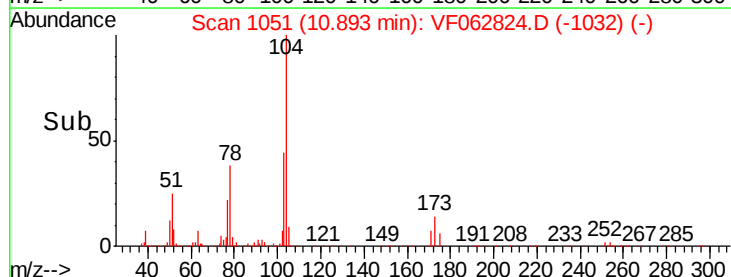
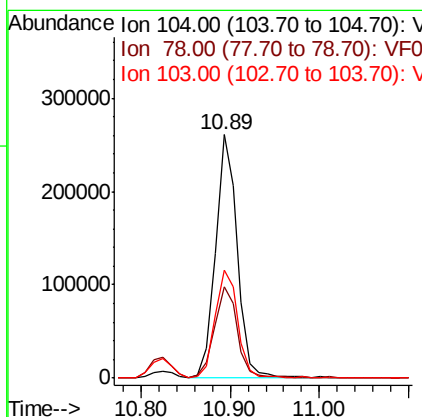
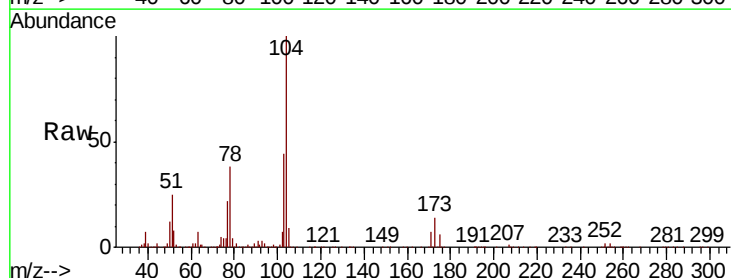
Instrument :
MSVOA_F
ClientSampleId :

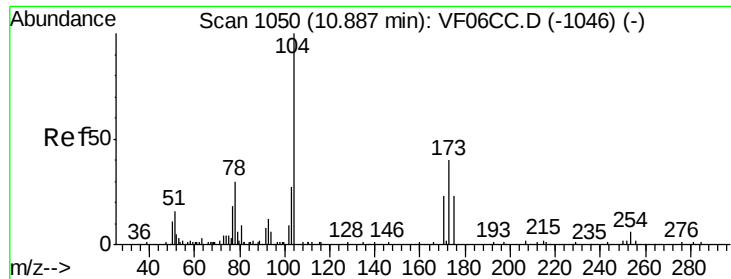
Tot Ion:106 Resp: 304000
Ion Ratio Lower Upper
106 100
91 208.5 96.6 289.8



#70
Styrene
Concen: 22.116 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion:104 Resp: 445237
Ion Ratio Lower Upper
104 100
78 37.6 30.8 46.2
103 44.1 35.8 53.6





#71

Bromoform

Concen: 21.883 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

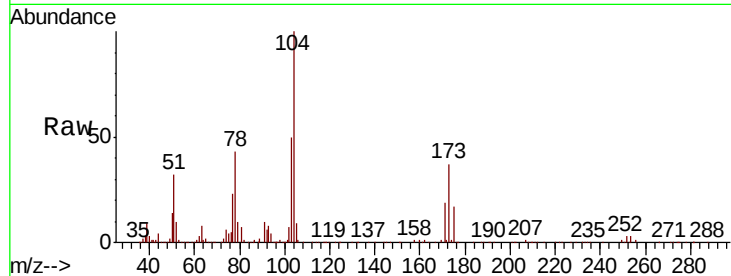
Tot Ion:173 Resp: 85887

Ion Ratio Lower Upper

173 100

175 45.2 24.6 74.0

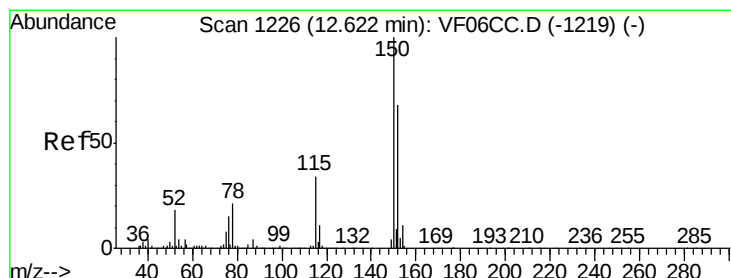
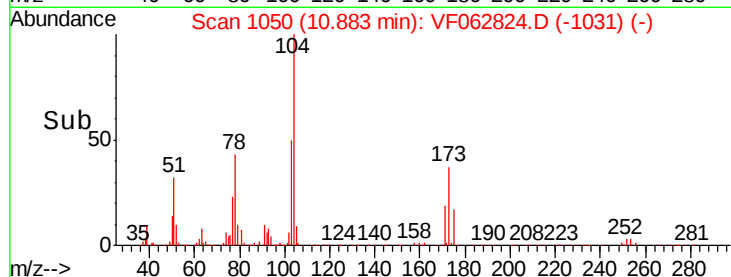
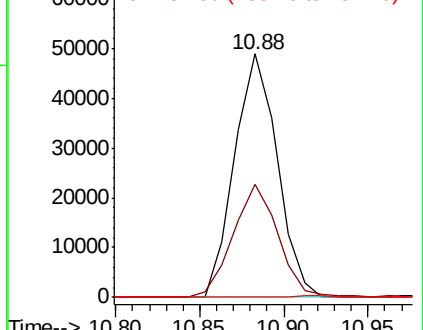
254 0.0 0.1 0.1#



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: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

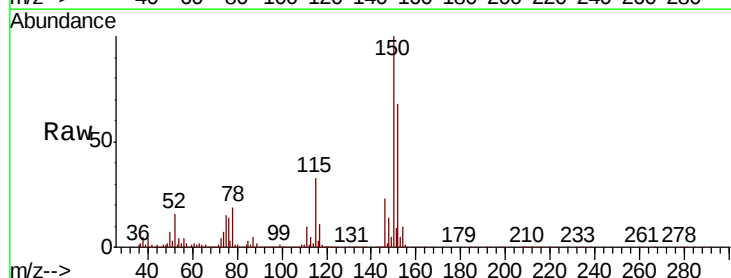
Tgt Ion:152 Resp: 537164

Ion Ratio Lower Upper

152 100

115 48.5 24.6 74.0

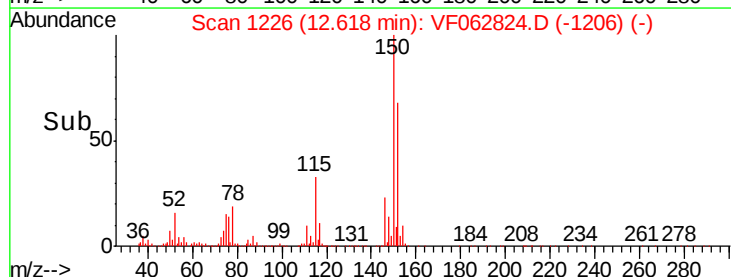
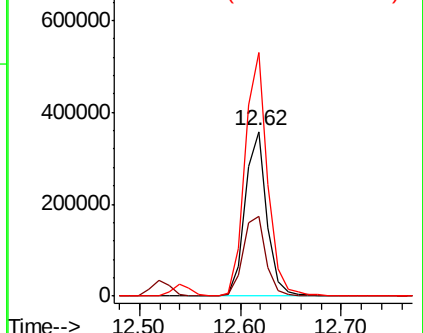
150 148.0 0.0 290.6

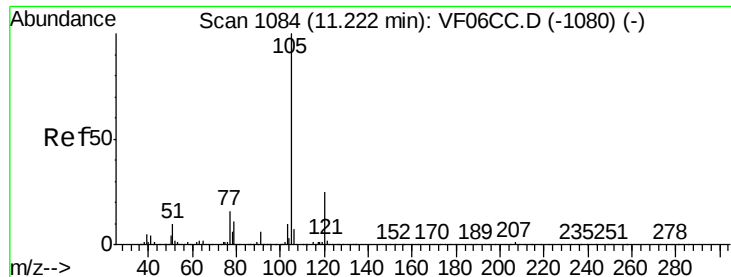


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.650 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

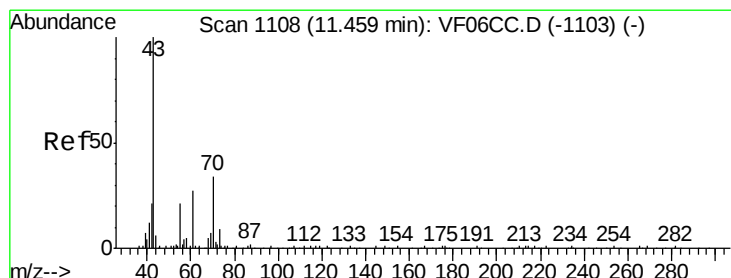
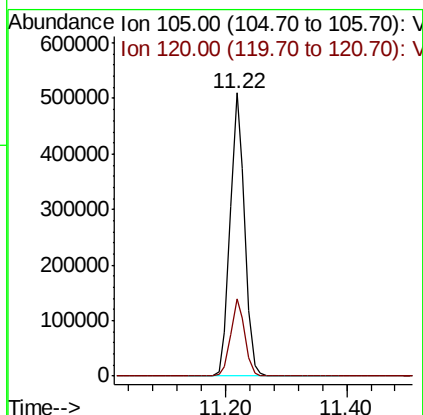
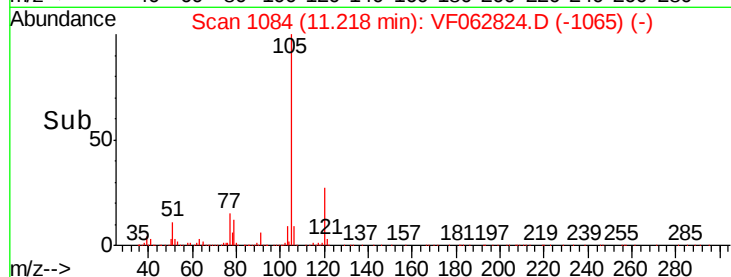
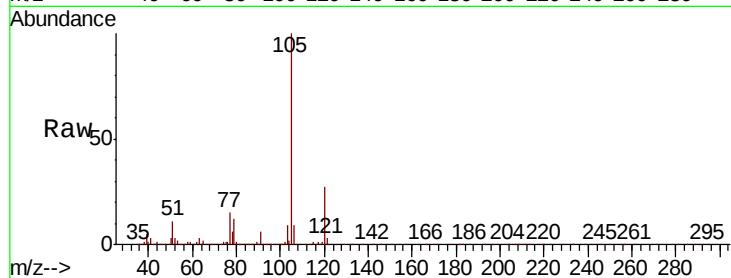
ClientSampleId :

Tot Ion: 105 Resp: 848955

Ion Ratio Lower Upper

105 100

120 27.2 15.1 45.3



#74

N-ethyl acetate

Concen: 25.150 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Tgt Ion: 43 Resp: 265684

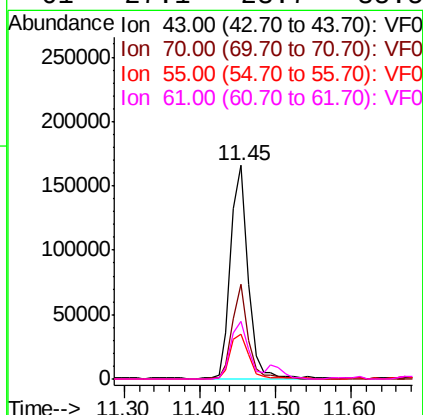
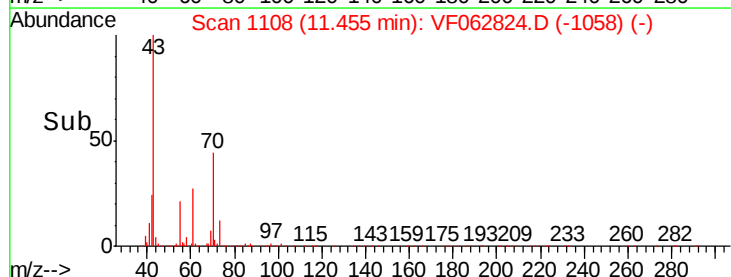
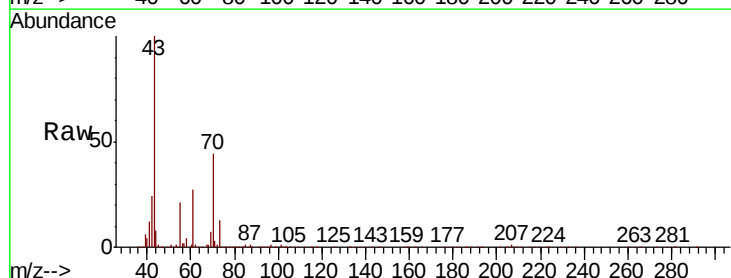
Ion Ratio Lower Upper

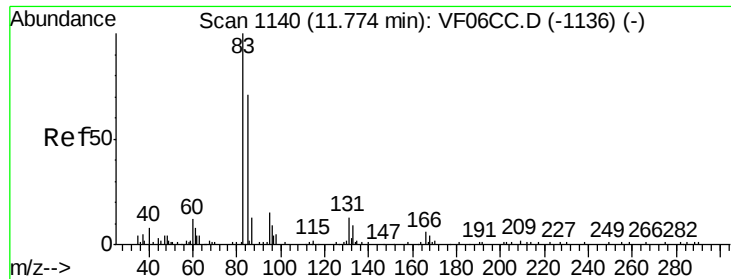
43 100

70 44.3 32.9 49.3

55 21.1 17.3 25.9

61 27.1 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.623 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampled :

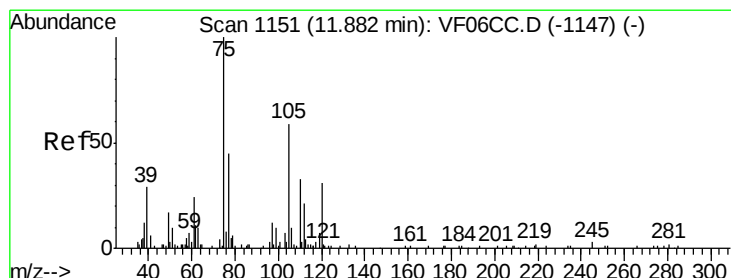
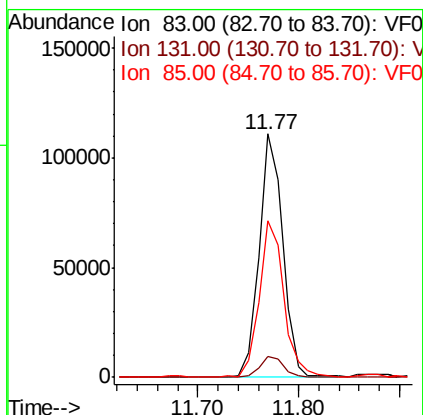
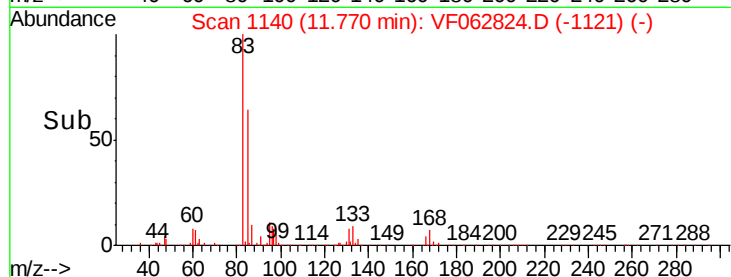
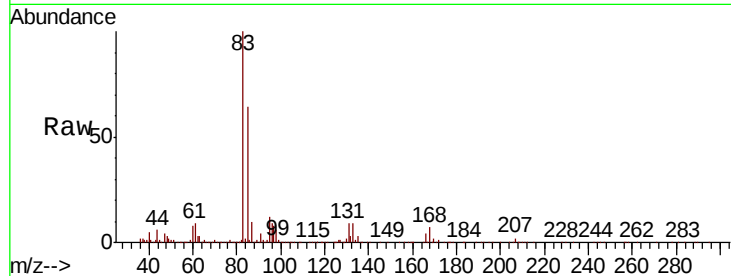
Tot Ion: 83 Resp: 181081

Ion Ratio Lower Upper

83 100

131 8.6 4.9 14.7

85 64.1 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 21.956 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062824.D

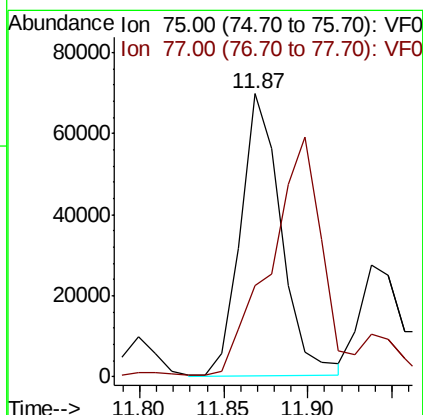
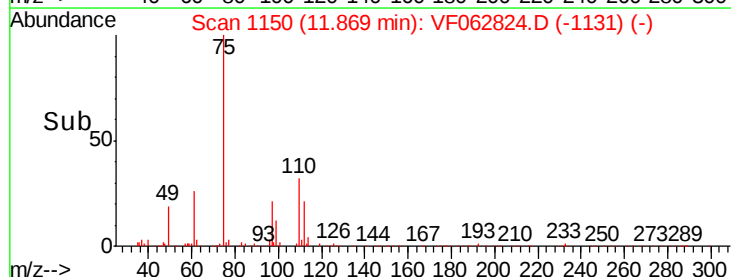
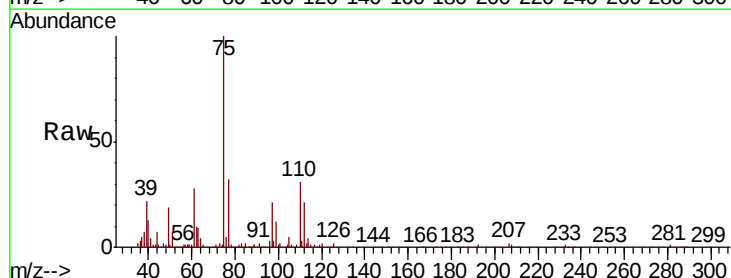
Acq: 3 Jun 2019 13:04

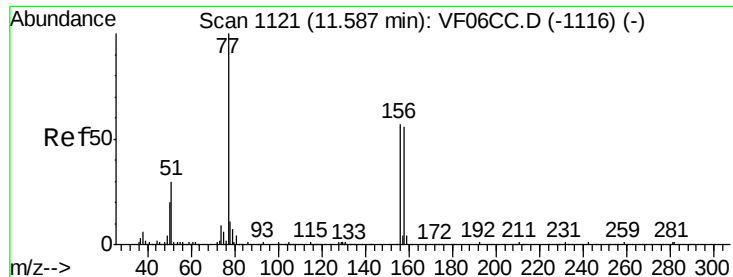
Tgt Ion: 75 Resp: 116490

Ion Ratio Lower Upper

75 100

77 32.5 20.1 60.2





#77

Bromobenzene

Concen: 21.533 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

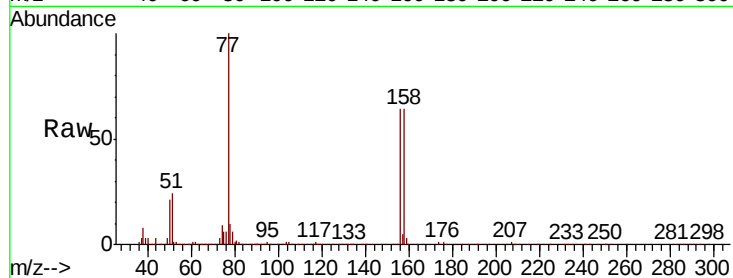
Tot Ion:156 Resp: 202791

Ion Ratio Lower Upper

156 100

77 156.4 64.2 192.6

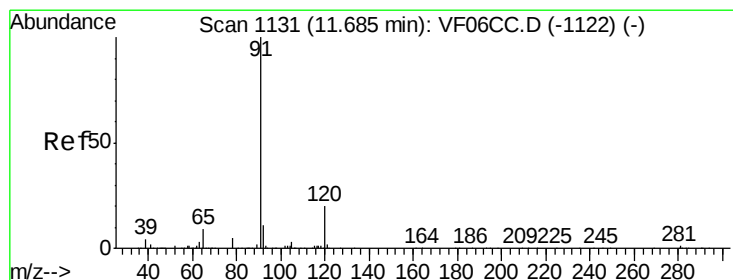
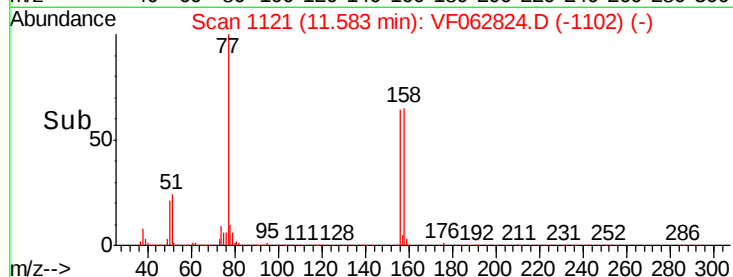
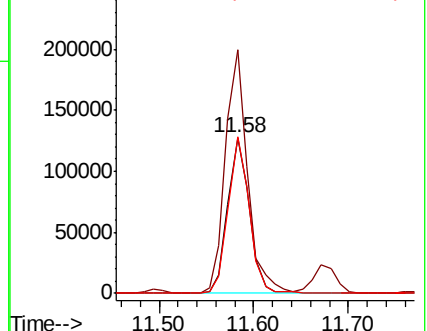
158 100.8 50.3 151.0



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: 22.386 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062824.D

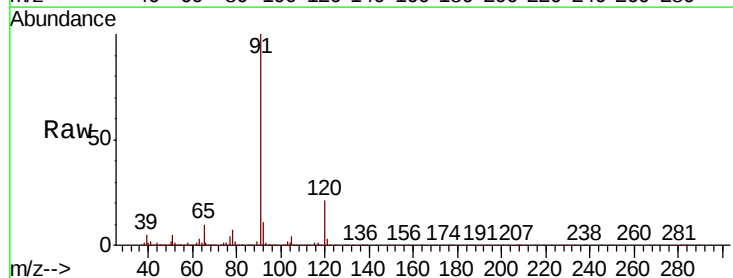
Acq: 3 Jun 2019 13:04

Tgt Ion: 91 Resp: 1013080

Ion Ratio Lower Upper

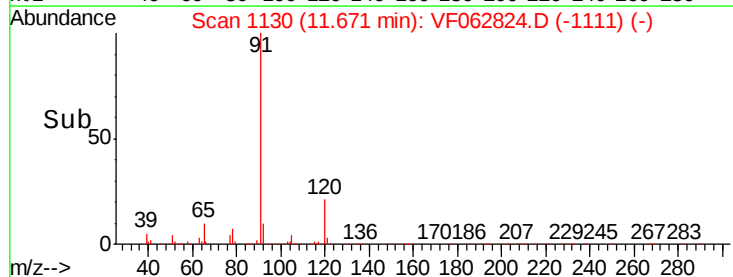
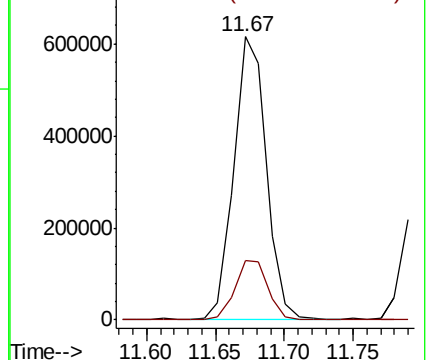
91 100

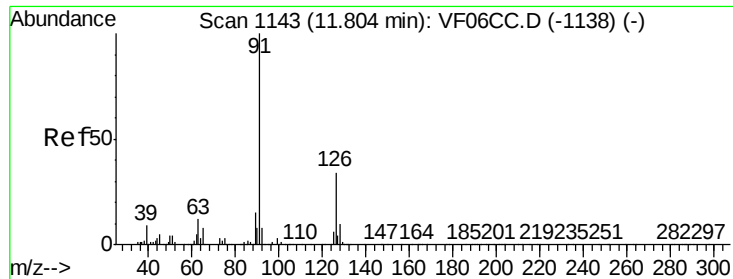
120 20.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

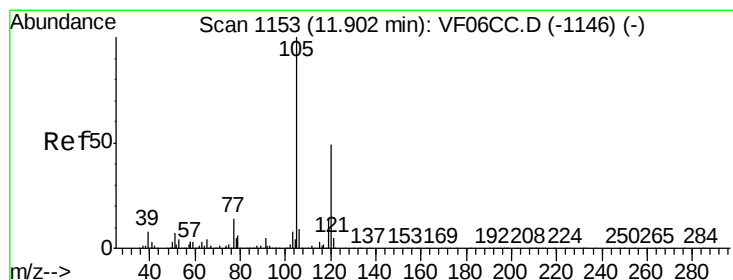
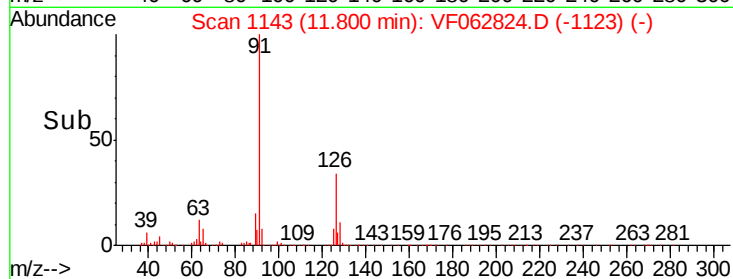
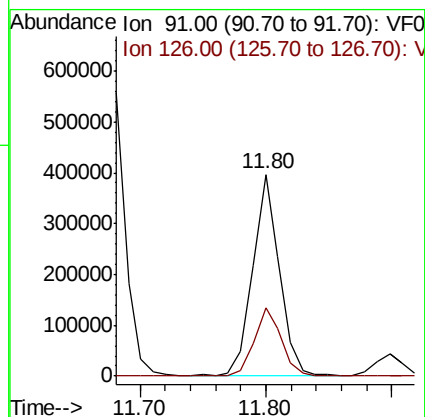
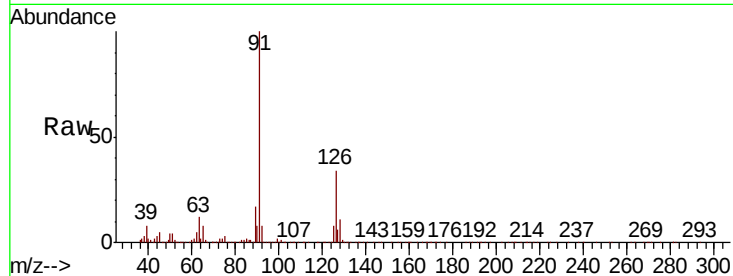




#79
2-Chlorotoluene
Concen: 22.200 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

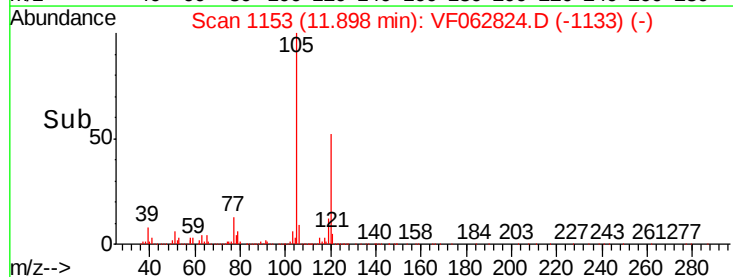
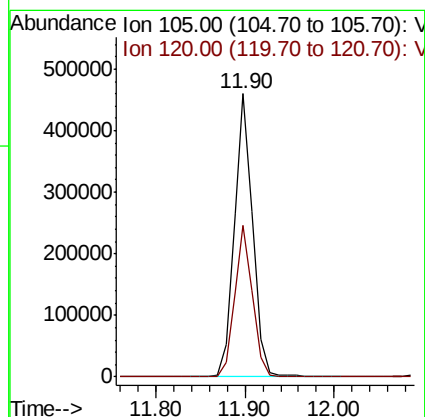
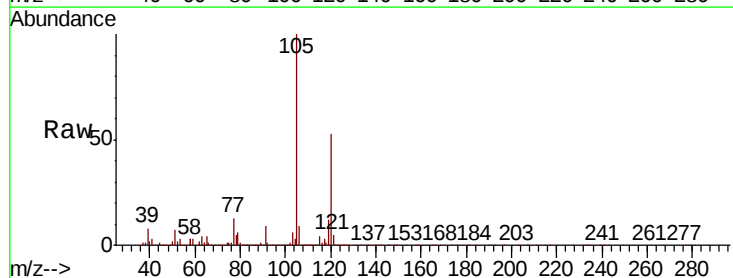
Instrument :
MSVOA_F
ClientSampleId :

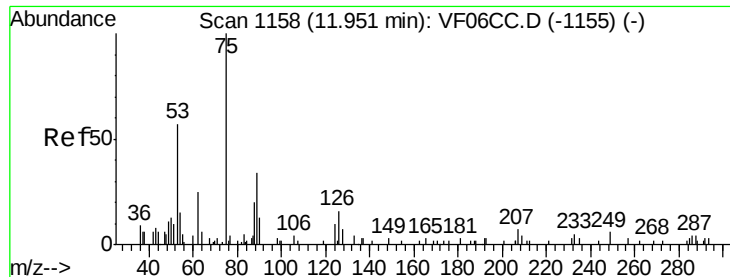
Tot Ion: 91 Resp: 574874
Ion Ratio Lower Upper
91 100
126 33.7 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 21.823 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion: 105 Resp: 668908
Ion Ratio Lower Upper
105 100
120 53.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 27.018 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

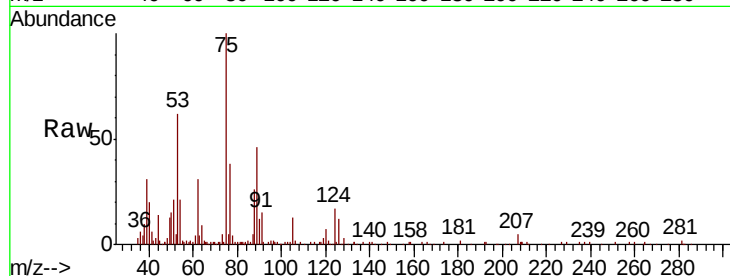
Tot Ion: 75 Resp: 60689

Ion Ratio Lower Upper

75 100

53 62.5 43.5 65.3

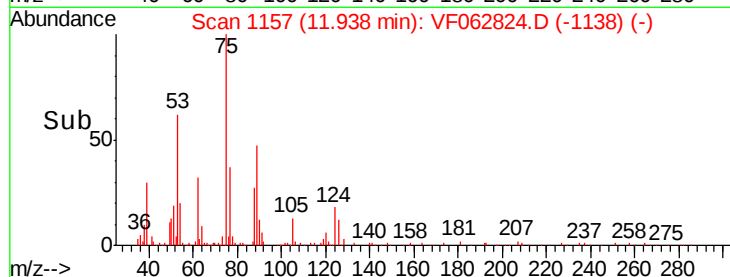
89 46.0 34.3 51.5



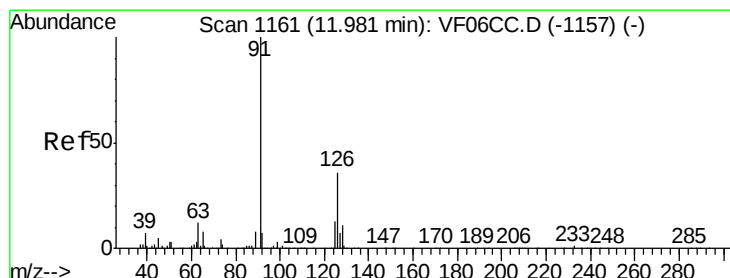
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: 22.582 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062824.D

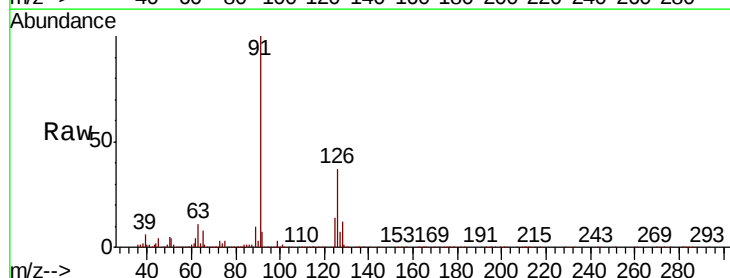
Acq: 3 Jun 2019 13:04

Tgt Ion: 91 Resp: 574664

Ion Ratio Lower Upper

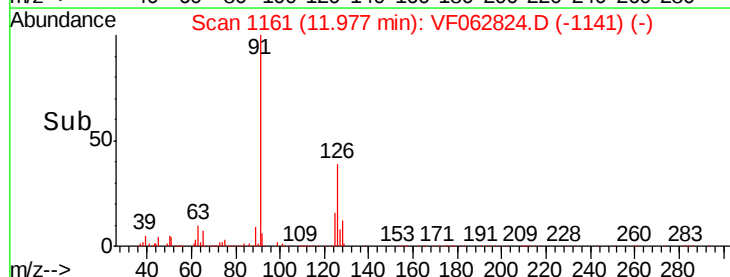
91 100

126 37.3 19.1 57.1

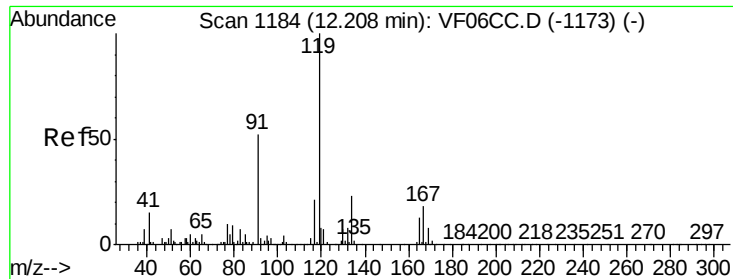


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#83

tert-Butylbenzene

Concen: 22.790 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

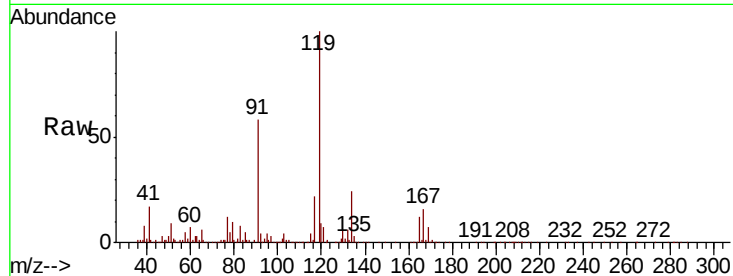
Tot Ion:119 Resp: 692182

Ion Ratio Lower Upper

119 100

91 58.1 28.9 86.7

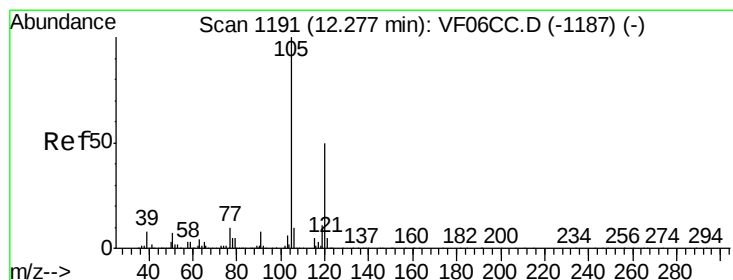
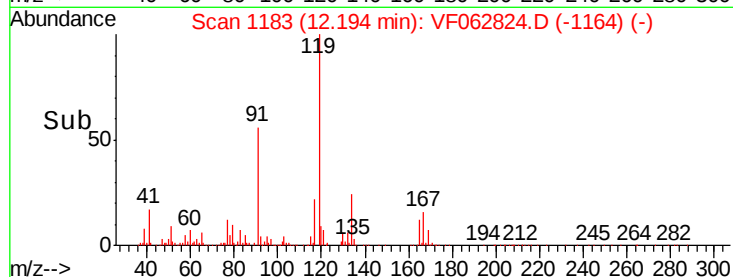
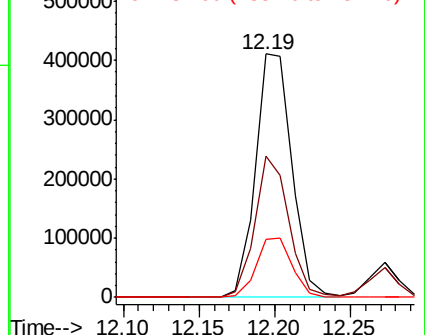
134 23.8 14.3 42.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.202 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062824.D

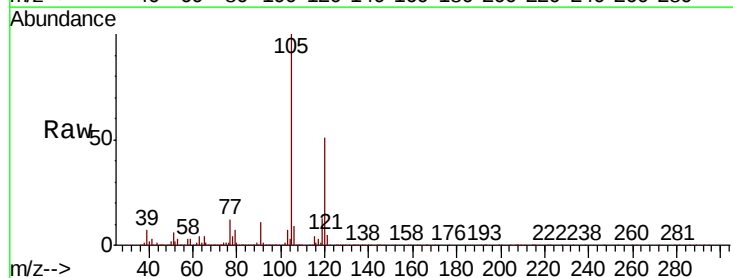
Acq: 3 Jun 2019 13:04

Tgt Ion:105 Resp: 645240

Ion Ratio Lower Upper

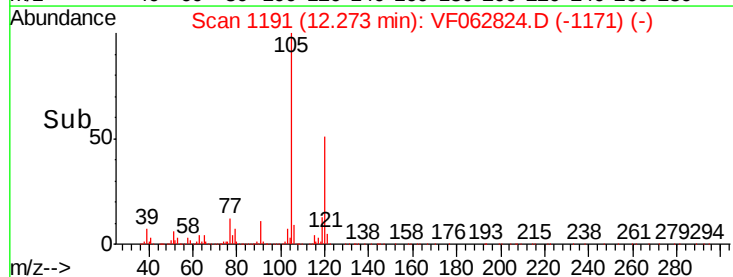
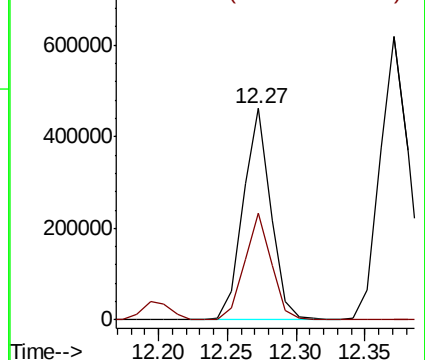
105 100

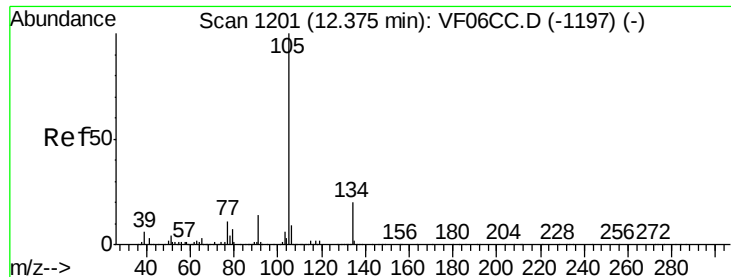
120 50.5 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.607 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

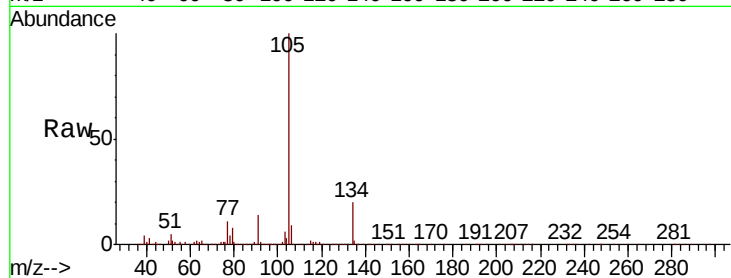
ClientSampleId :

Tot Ion:105 Resp: 904741

Ion Ratio Lower Upper

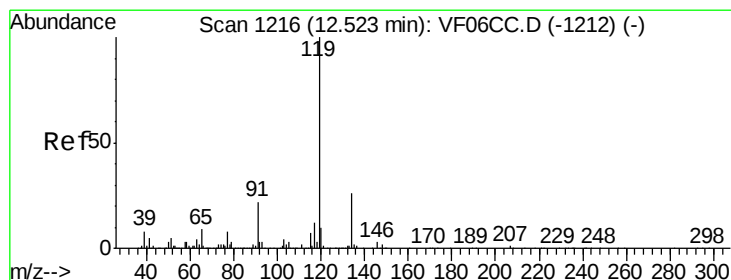
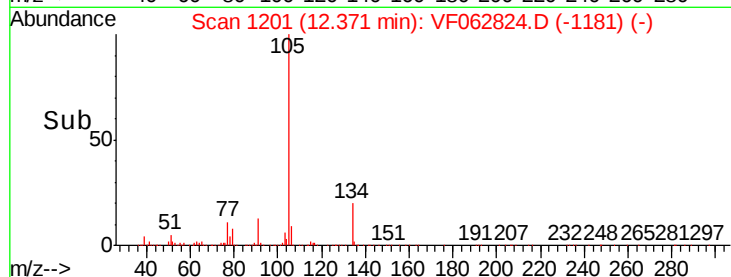
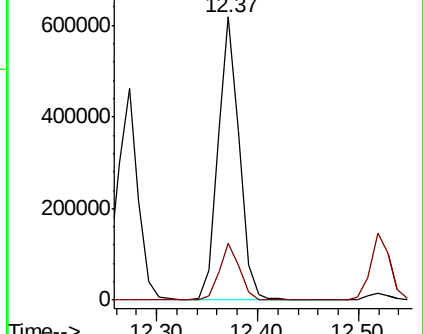
105 100

134 20.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.748 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

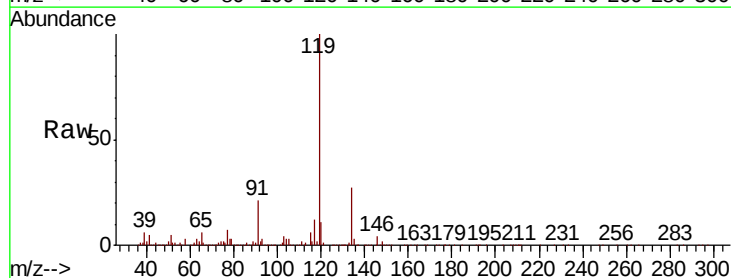
Tgt Ion:119 Resp: 724456

Ion Ratio Lower Upper

119 100

134 27.2 15.5 46.5

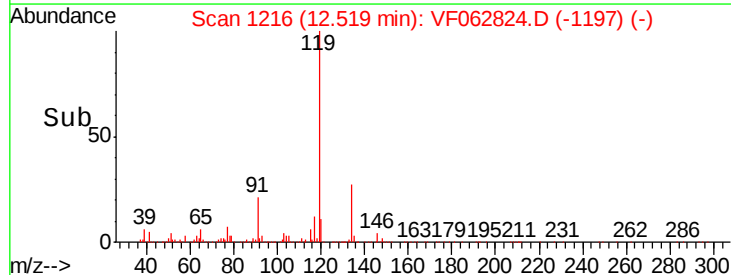
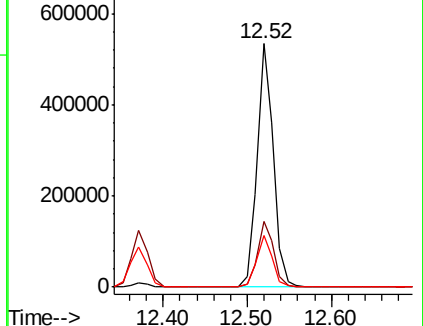
91 21.1 10.3 30.9

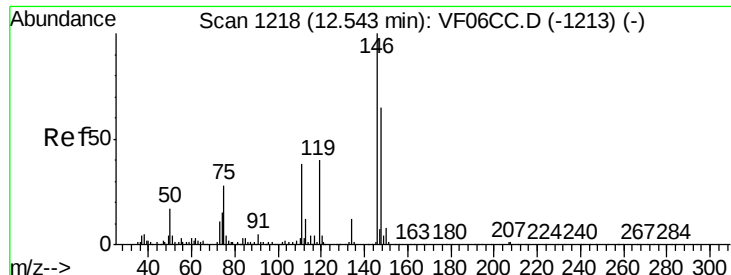


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

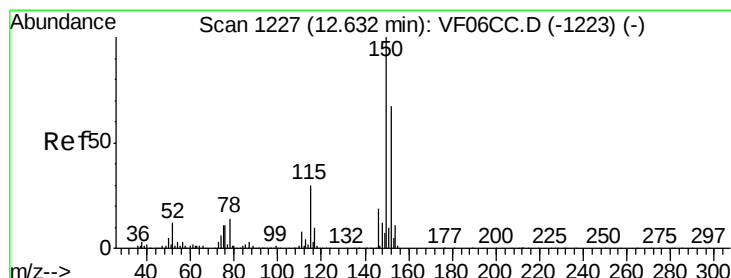
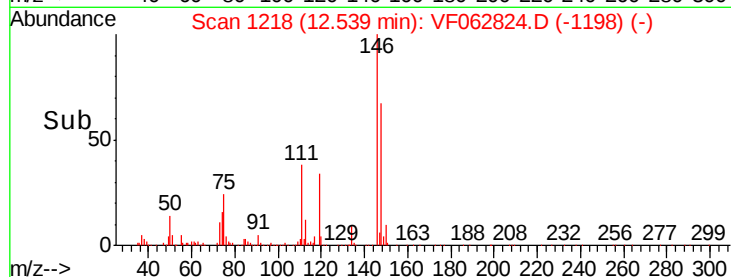
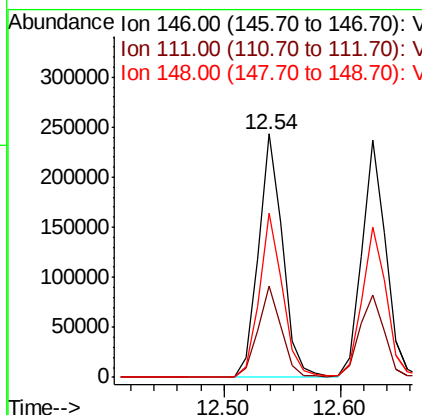
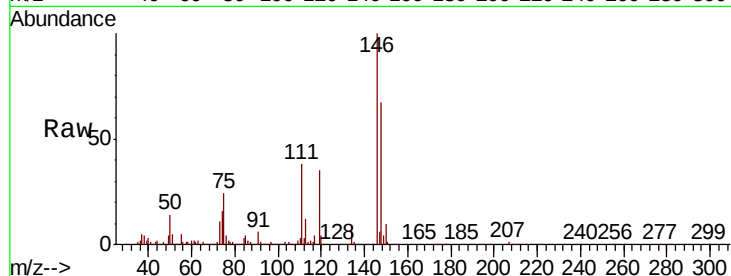




#87
 1,3-Dichlorobenzene
 Concen: 21.024 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062824.D
 Acq: 3 Jun 2019 13:04

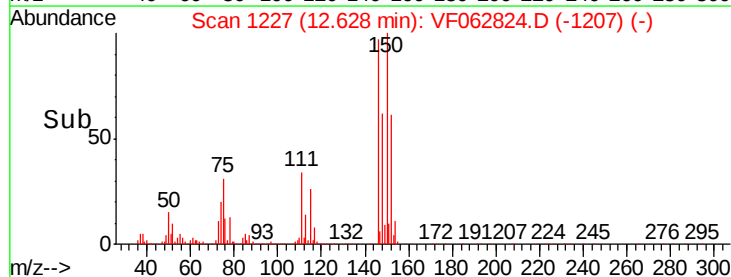
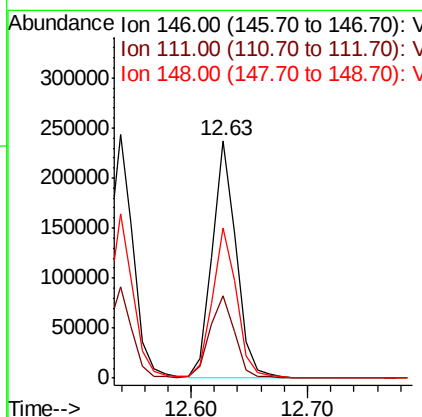
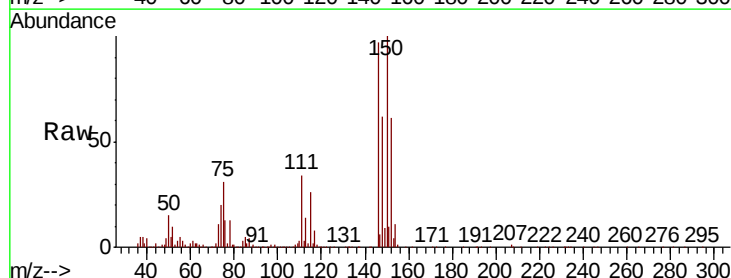
Instrument :
 MSVOA_F
 ClientSampleId :

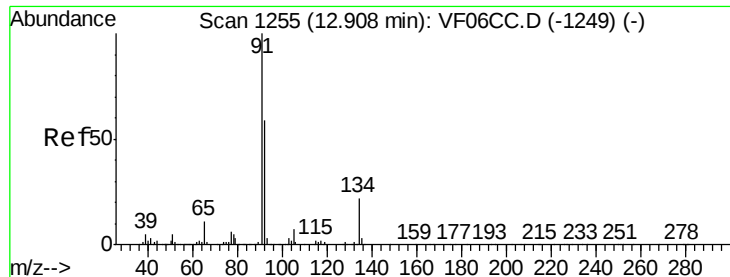
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.6	58.8
148	67.3	34.2	102.5



#88
 1,4-Dichlorobenzene
 Concen: 21.800 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062824.D
 Acq: 3 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.3	60.9
148	63.2	34.0	101.8

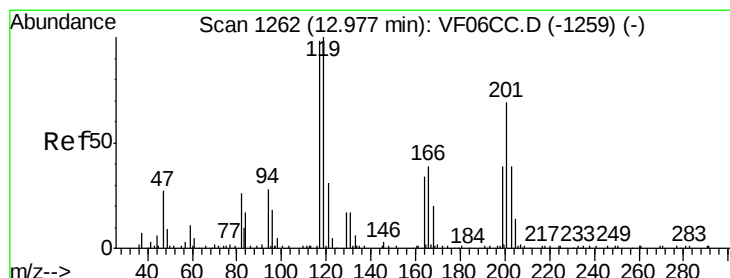
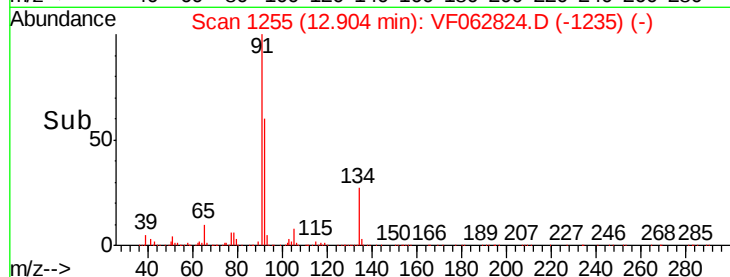
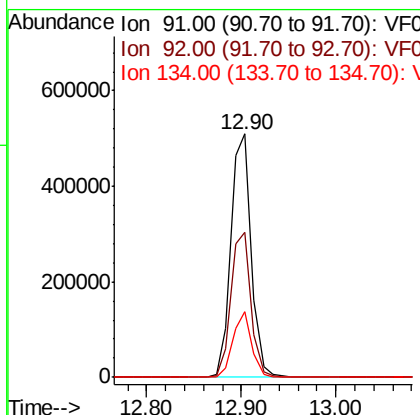
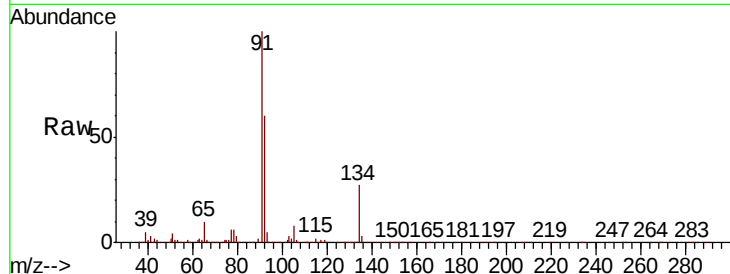




#89
n-Butylbenzene
Concen: 22.630 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

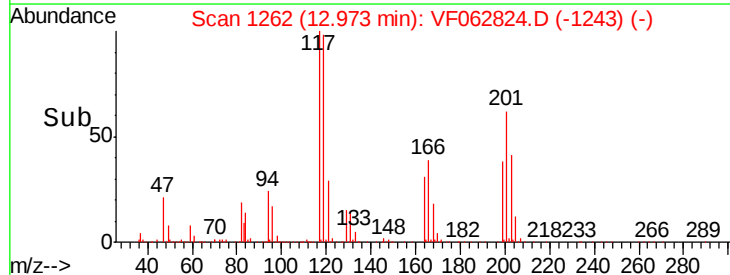
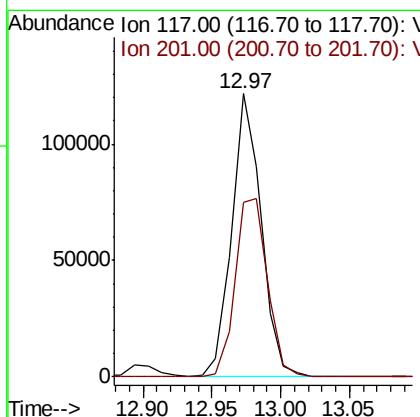
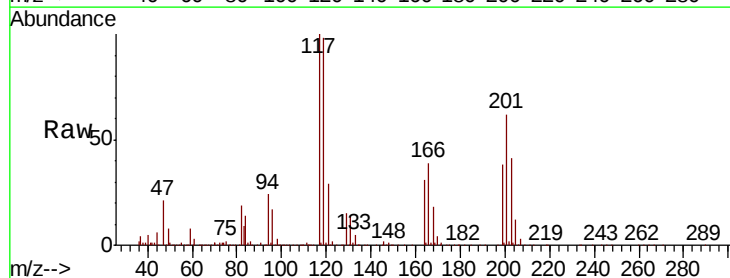
Instrument :
MSVOA_F
ClientSampled :

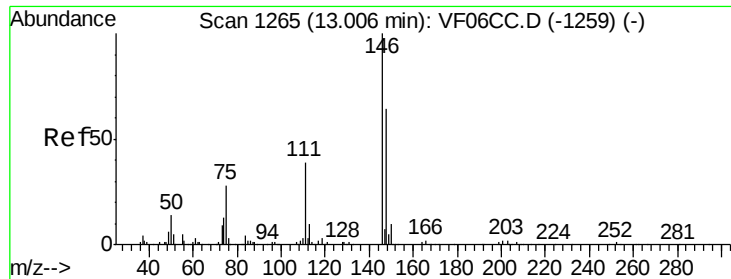
Tot Ion	91	Resp	758322
Ion Ratio	Lower	Upper	
91	100		
92	59.6	34.2	102.6
134	27.0	15.8	47.3



#90
Hexachloroethane
Concen: 22.283 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062824.D
Acq: 3 Jun 2019 13:04

Tgt Ion	117	Resp	181038
Ion Ratio	Lower	Upper	
117	100		
201	61.5	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 21.686 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

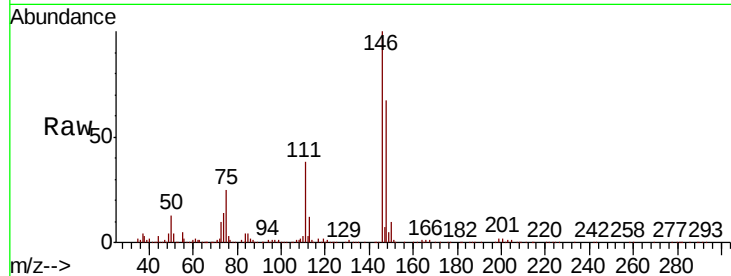
Tot Ion:146 Resp: 316575

Ion Ratio Lower Upper

146 100

111 38.3 20.4 61.3

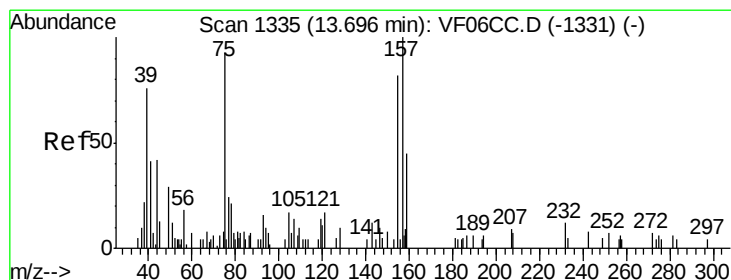
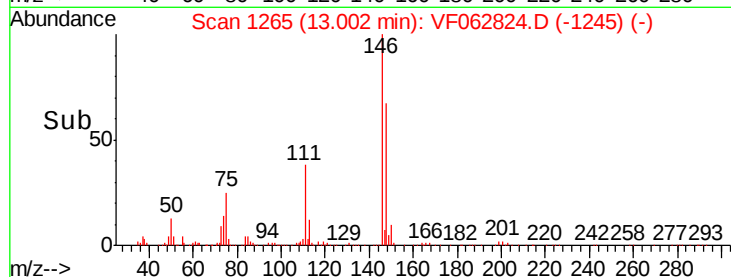
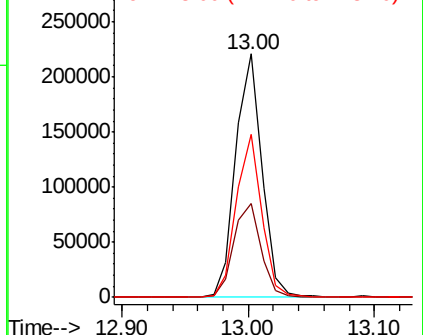
148 66.7 34.1 102.3



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: 24.222 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

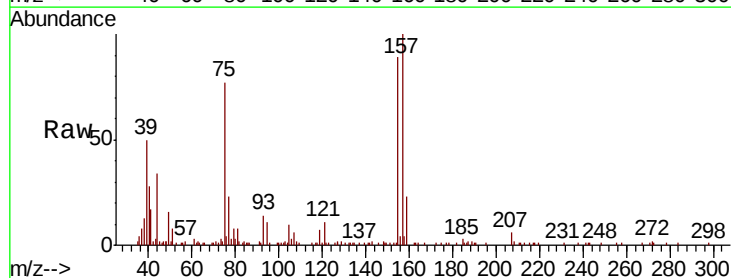
Tgt Ion: 75 Resp: 21122

Ion Ratio Lower Upper

75 100

155 116.4 51.7 155.1

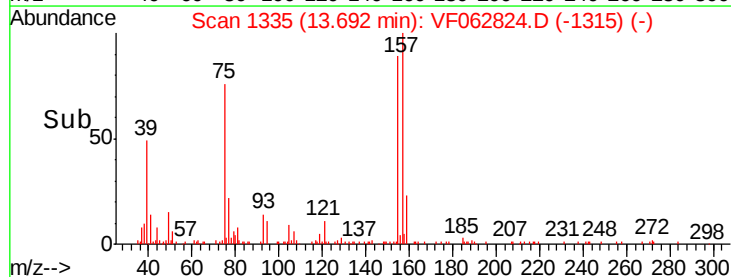
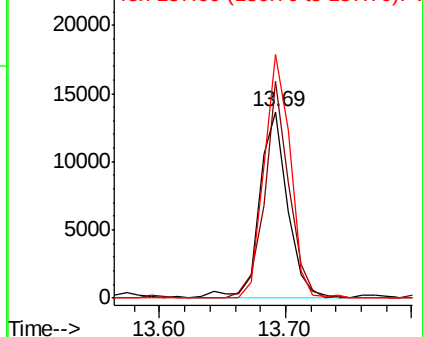
157 130.5 66.8 200.6

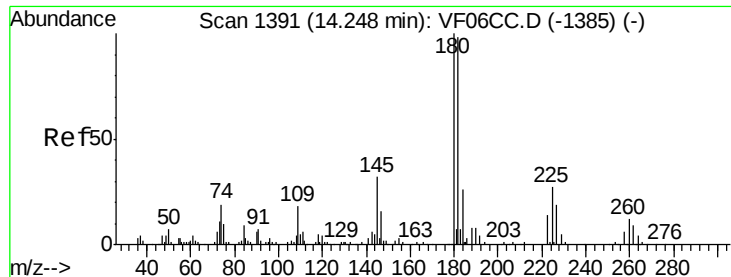


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

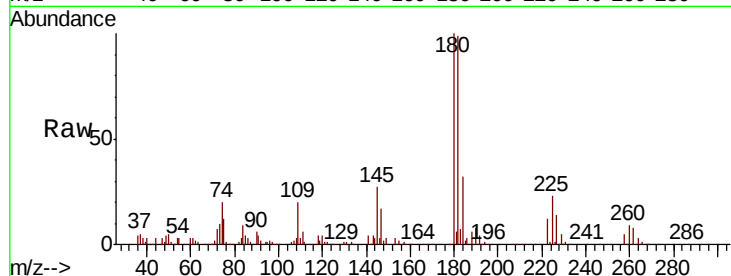




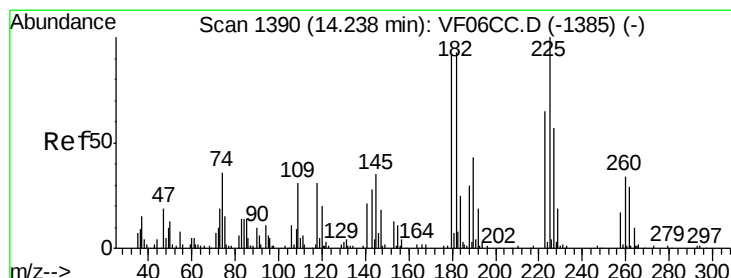
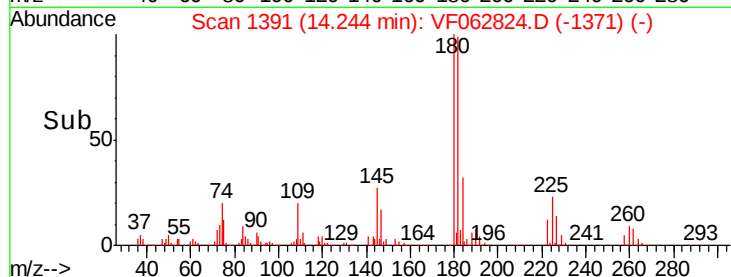
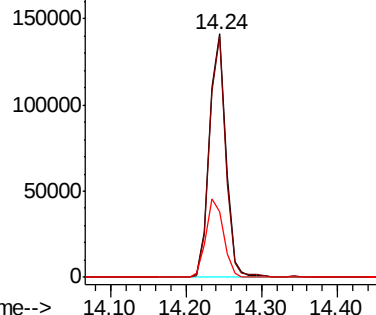
#93
 1,2,4-Trichlorobenzene
 Concen: 20.982 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062824.D
 Acq: 3 Jun 2019 13:04

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	50.3	150.9
145	27.2	15.4	46.2

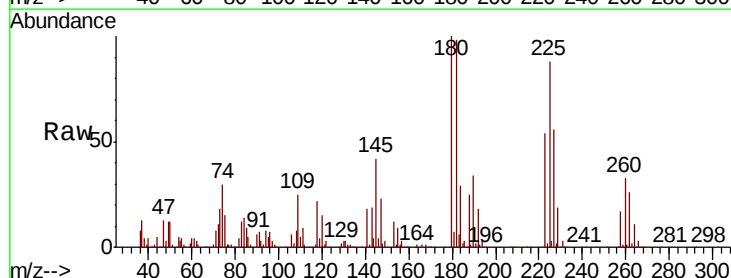


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

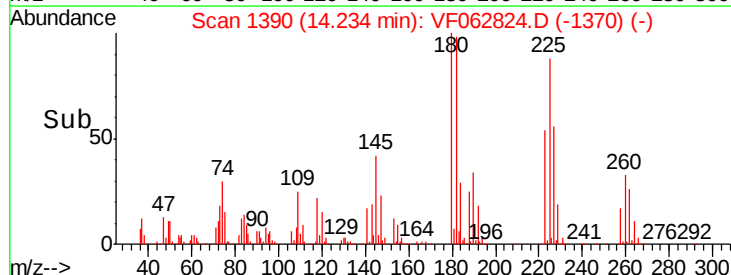
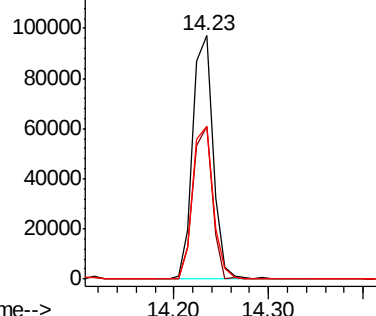


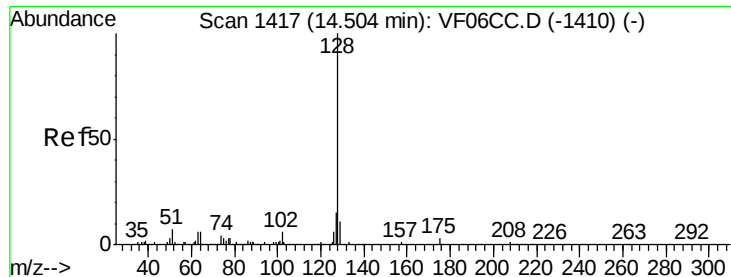
#94
 Hexachlorobutadiene
 Concen: 20.898 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062824.D
 Acq: 3 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.4
227	62.9	31.9	95.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.482 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

Instrument :

MSVOA_F

ClientSampleId :

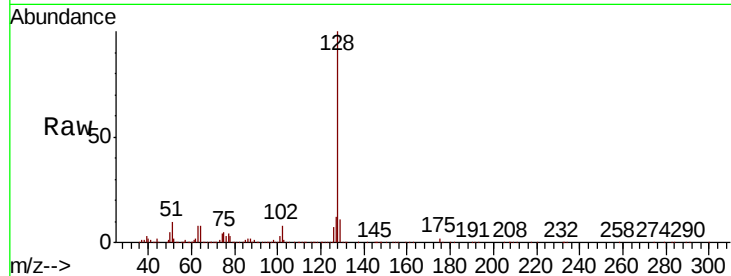
Tot Ion:128 Resp: 352761

Ion Ratio Lower Upper

128 100

127 12.0 9.7 14.5

129 11.4 9.4 14.2

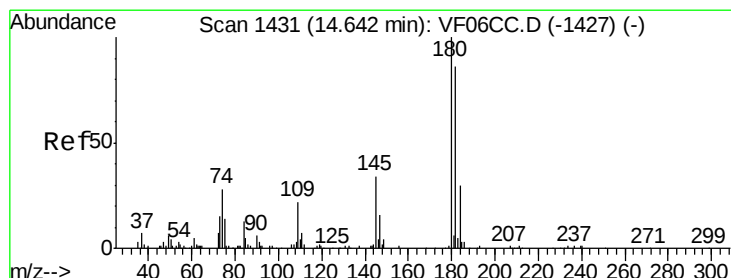
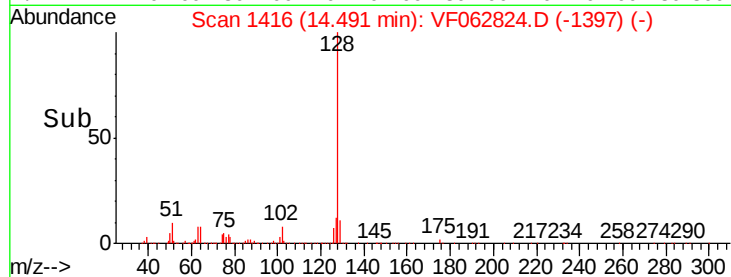
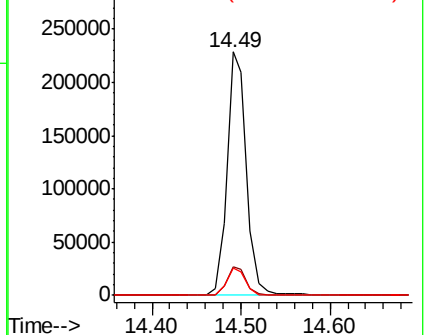


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.494 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VF062824.D

Acq: 3 Jun 2019 13:04

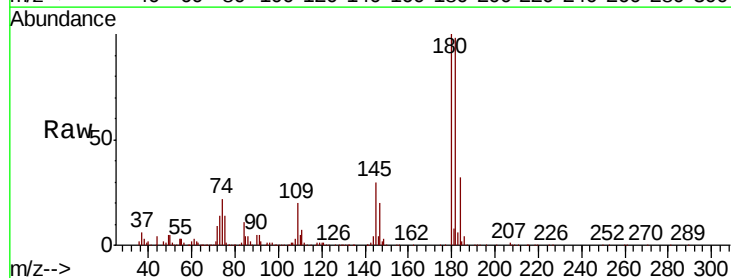
Tgt Ion:180 Resp: 187514

Ion Ratio Lower Upper

180 100

182 98.4 48.6 145.9

145 30.0 15.7 47.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

