

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062130.D
 Acq On : 25 Mar 2019 14:31
 Operator : VA/AP
 Sample : VF0325SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 26 04:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	251433	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	389256	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	320180	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	178594	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	105293	56.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.11	113	145605	55.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	7.55	98	414143	52.69	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.41	95	157457	51.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	76985	23.901	ug/l	98
3) Chloromethane	1.09	50	81108	24.065	ug/l	90
4) Vinyl Chloride	1.14	62	78397	25.147	ug/l	94
5) Bromomethane	1.32	94	48381	21.589	ug/l	96
6) Chloroethane	1.39	64	38564	24.573	ug/l	96
7) Trichlorofluoromethane	1.47	101	90088	23.927	ug/l	97
8) Diethyl Ether	1.63	74	18692	21.733	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	61748	24.039	ug/l	95
10) Methyl Iodide	1.91	142	85315	17.478	ug/l	96
11) Tert butyl alcohol	2.57	59	11107	107.939	ug/l	97
12) 1,1-Dichloroethene	1.80	96	53285	21.986	ug/l	98
13) Acrolein	2.00	56	15615	126.194	ug/l	93
14) Allyl chloride	2.09	41	68252	26.377	ug/l	96
15) Acrylonitrile	2.94	53	41296	114.125	ug/l	95
16) Acetone	2.24	43	43147	109.619	ug/l	100
17) Carbon Disulfide	1.81	76	167889	22.717	ug/l	99
18) Methyl Acetate	2.35	43	20633	21.975	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	92734	24.209	ug/l	95
20) Methylene Chloride	2.18	84	25070	7.888	ug/l	93
21) trans-1,2-Dichloroethene	2.31	96	58190	24.954	ug/l	96
22) Diisopropyl ether	2.80	45	159264	23.476	ug/l	95
23) Vinyl Acetate	3.19	43	334994	120.603	ug/l	97
24) 1,1-Dichloroethane	2.87	63	94780	23.297	ug/l	98
25) 2-Butanone	4.33	43	93785	114.134	ug/l	96
26) 2,2-Dichloropropane	3.60	77	39805	24.131	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	69529	22.501	ug/l	94
28) Bromochloromethane	3.71	49	40480	24.353	ug/l	88
29) Tetrahydrofuran	4.06	42	40083	112.193	ug/l	97
30) Chloroform	3.86	83	104721	24.356	ug/l	94
31) Cyclohexane	3.69	56	68348	16.085	ug/l	91
32) 1,1,1-Trichloroethane	4.08	97	63912	24.436	ug/l	95
36) 1,1-Dichloropropene	4.28	75	76935	20.750	ug/l	96
37) Ethyl Acetate	4.11	43	34803	21.479	ug/l	97
38) Carbon Tetrachloride	4.00	117	59861	23.688	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062130.D
 Acq On : 25 Mar 2019 14:31
 Operator : VA/AP
 Sample : VF0325SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 26 04:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	94286	21.911	ug/l	92
40) Benzene	4.63	78	219604	22.094	ug/l	99
41) Methacrylonitrile	4.74	41	18376	21.434	ug/l	89
42) 1,2-Dichloroethane	4.94	62	50657	21.552	ug/l	99
43) Isopropyl Acetate	6.95	43	41345	21.069	ug/l #	95
44) Trichloroethene	5.49	130	66349	21.834	ug/l	99
45) 1,2-Dichloropropane	6.23	63	52333	22.075	ug/l	99
46) Dibromomethane	6.09	93	31707	21.874	ug/l	96
47) Bromodichloromethane	6.38	83	70691	22.018	ug/l	99
48) Methyl methacrylate	6.71	41	25273	22.620	ug/l	97
49) 1,4-Dioxane	6.71	88	4944	504.289	ug/l	94
51) 4-Methyl-2-Pentanone	8.26	43	157958	120.265	ug/l	99
52) Toluene	7.62	92	126393	21.955	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	59877	23.757	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	78521	21.773	ug/l	93
55) 1,1,2-Trichloroethane	8.48	97	35848	21.922	ug/l	97
56) Ethyl methacrylate	8.62	69	43450	22.279	ug/l	96
57) 1,3-Dichloropropane	8.85	76	59621	21.968	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	34014	114.938	ug/l	96
59) 2-Hexanone	9.49	43	108670	112.891	ug/l	96
60) Dibromochloromethane	8.71	129	53103	23.359	ug/l	99
61) 1,2-Dibromoethane	8.99	107	39175	22.455	ug/l	89
64) Tetrachloroethene	8.15	164	55018	22.242	ug/l	94
65) Chlorobenzene	9.79	112	133908	22.352	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	56785	23.597	ug/l	93
67) Ethyl Benzene	9.89	91	243725	23.393	ug/l	99
68) m/p-Xylenes	10.13	106	177401	45.557	ug/l	99
69) o-Xylene	10.71	106	93655	22.964	ug/l	100
70) Styrene	10.78	104	139317	22.546	ug/l	97
71) Bromoform	10.77	173	26440	21.481	ug/l #	98
73) Isopropylbenzene	11.12	105	284841	22.666	ug/l	93
74) N-amyl acetate	11.37	43	68833	22.987	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	50144	23.239	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	32742	21.561	ug/l	92
77) Bromobenzene	11.49	156	63309	20.620	ug/l	83
78) n-propylbenzene	11.59	91	327178	22.421	ug/l	99
79) 2-Chlorotoluene	11.72	91	182234	22.468	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	240394	23.256	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.86	75	19175	30.989	ug/l	95
82) 4-Chlorotoluene	11.89	91	180437	21.697	ug/l	99
83) tert-Butylbenzene	12.12	119	235036	21.721	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	227263	22.427	ug/l	96
85) sec-Butylbenzene	12.30	105	304230	21.733	ug/l	98
86) p-Isopropyltoluene	12.46	119	269904	22.255	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	126045	22.097	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	122926	22.084	ug/l	99
89) n-Butylbenzene	12.84	91	267995	23.161	ug/l	95
90) Hexachloroethane	12.91	117	62775	21.738	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	115836	21.626	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6633	20.288	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032519\
Data File : VF062130.D
Acq On : 25 Mar 2019 14:31
Operator : VA/AP
Sample : VF0325SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 26 04:19:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

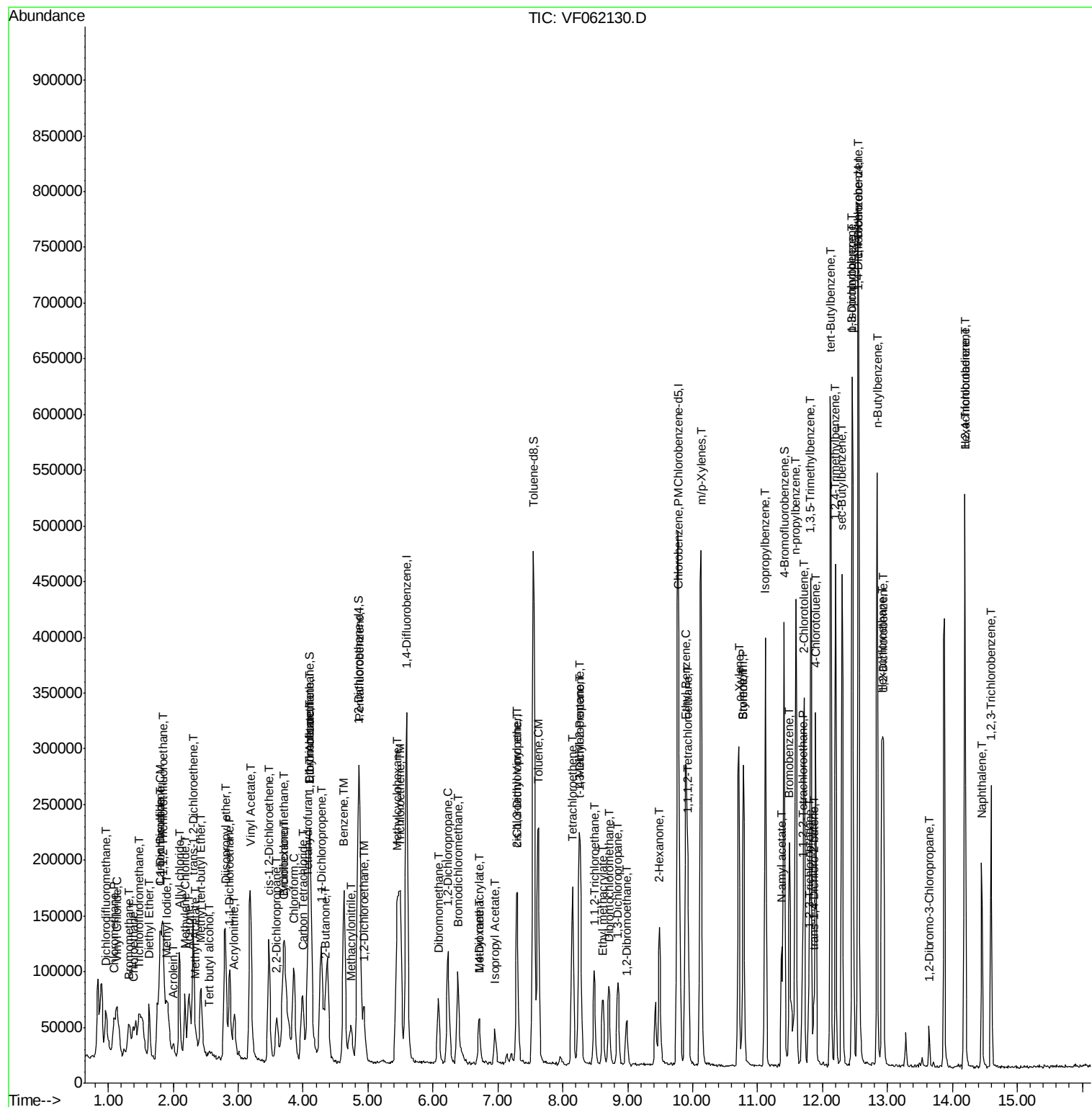
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	86725	23.232	ug/l	98
94) Hexachlorobutadiene	14.18	225	55505	22.362	ug/l	98
95) Naphthalene	14.45	128	142984	21.857	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	77425	22.157	ug/l	96

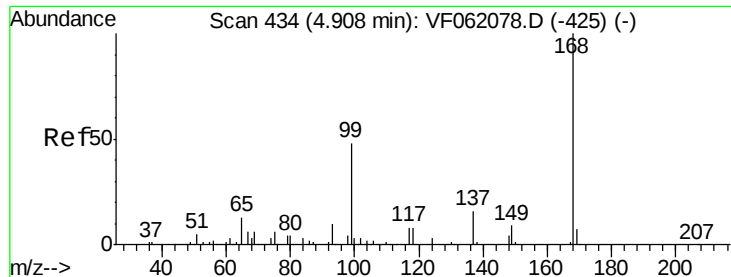
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032519\
Data File : VF062130.D
Acq On : 25 Mar 2019 14:31
Operator : VA/AP
Sample : VF0325SBS01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 26 04:19:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

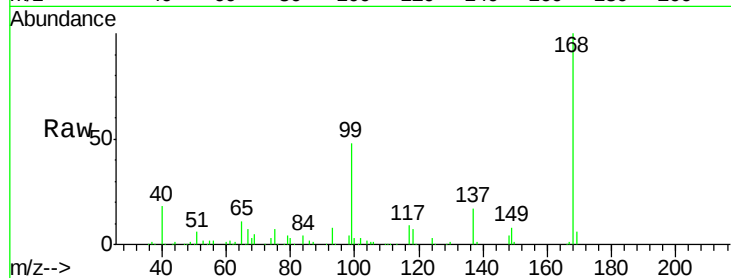
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 251433

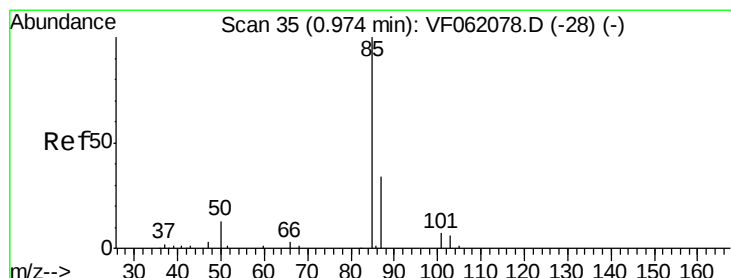
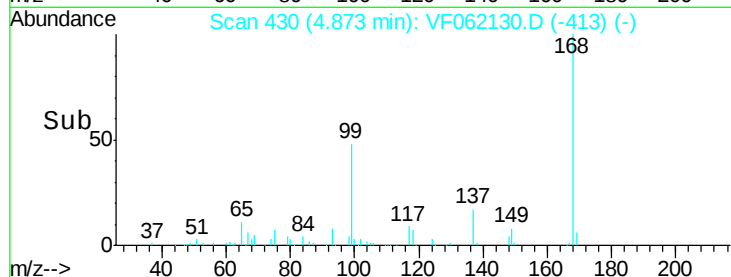
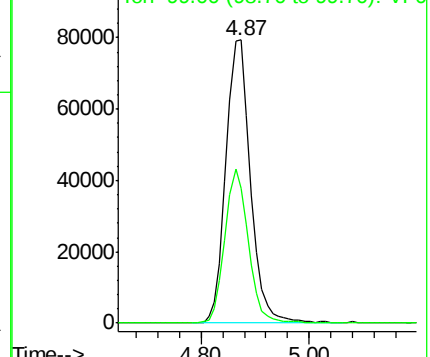
Ion Ratio Lower Upper

168 100

99 47.6 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 23.901 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF062130.D

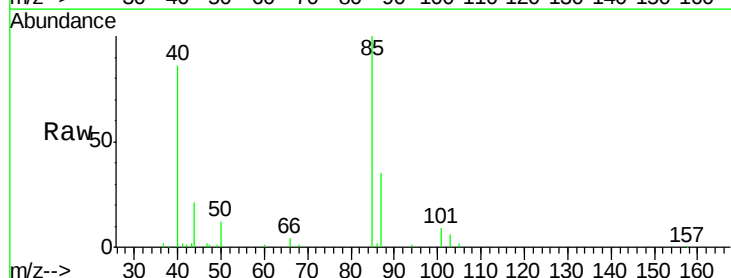
Acq: 25 Mar 2019 14:31

Tgt Ion: 85 Resp: 76985

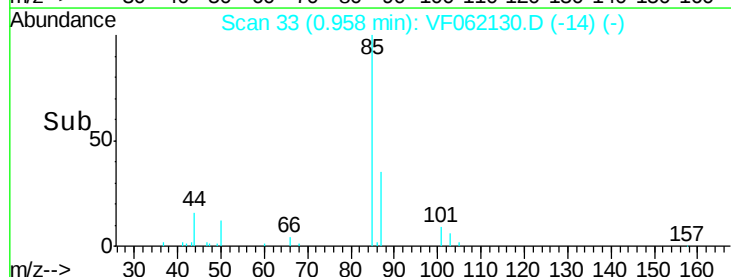
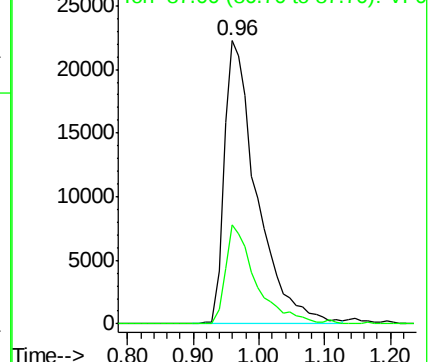
Ion Ratio Lower Upper

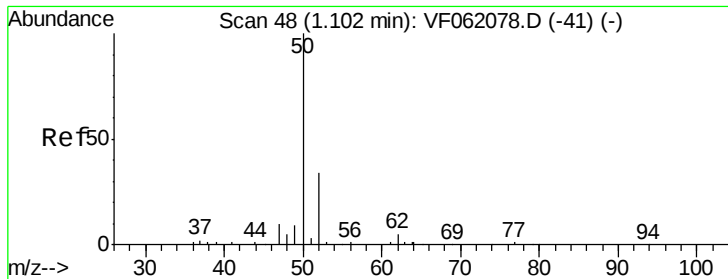
85 100

87 35.2 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 24.065 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

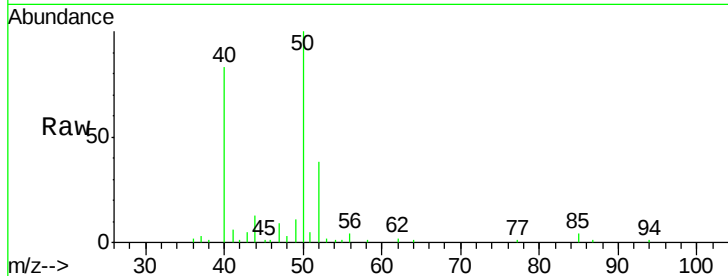
ClientSampleId :

Tot Ion: 50 Resp: 81108

Ion Ratio Lower Upper

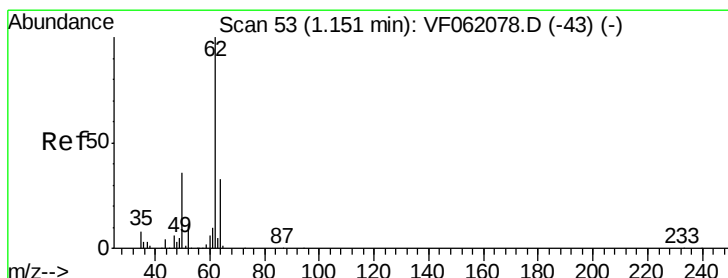
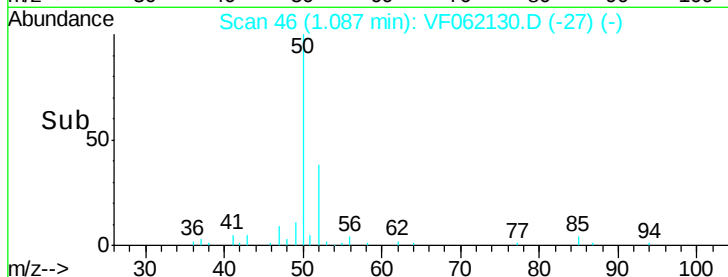
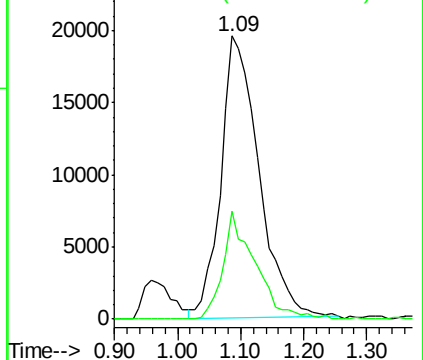
50 100

52 38.0 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 25.147 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062130.D

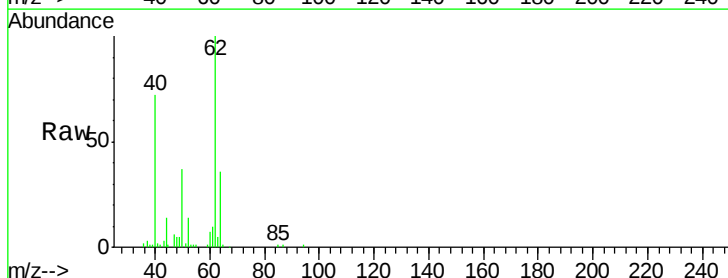
Acq: 25 Mar 2019 14:31

Tgt Ion: 62 Resp: 78397

Ion Ratio Lower Upper

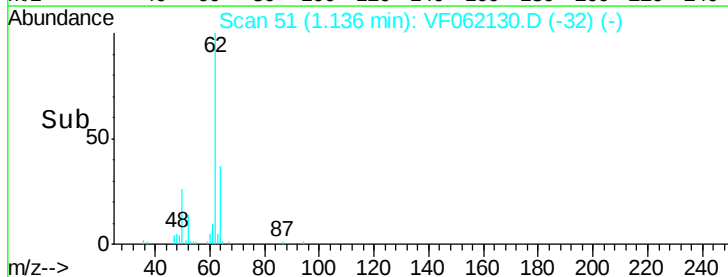
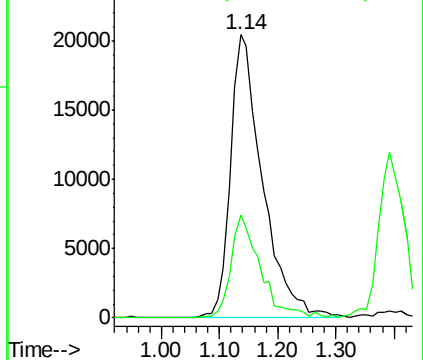
62 100

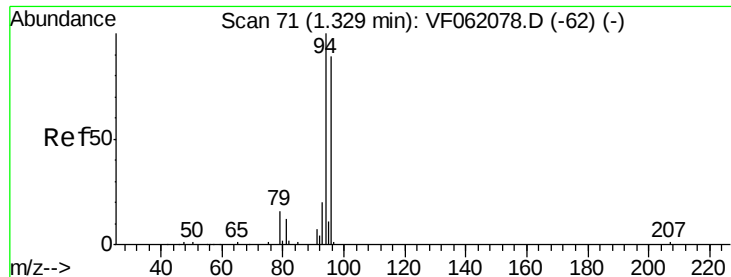
64 36.3 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.589 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

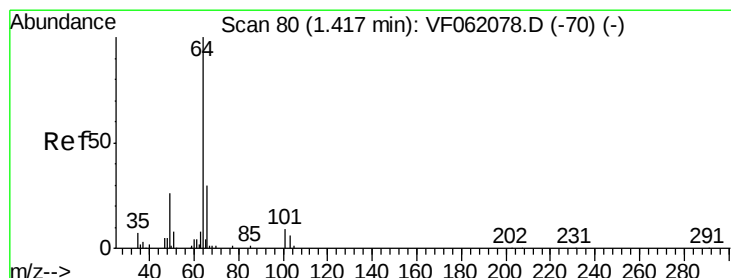
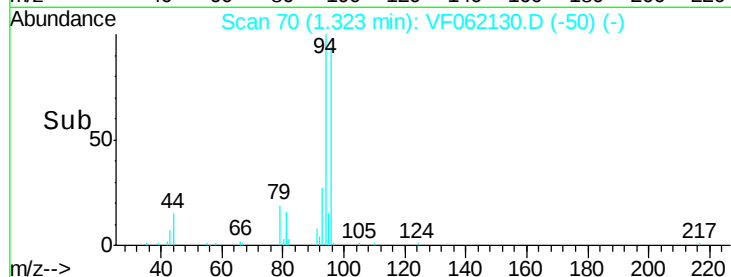
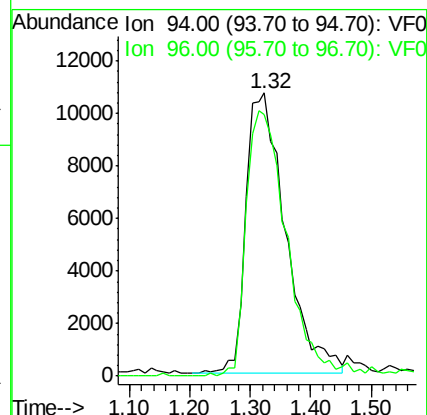
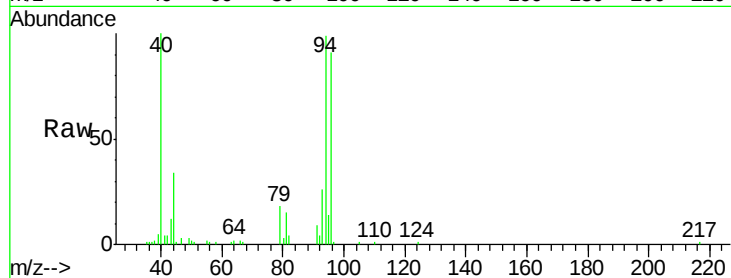
ClientSampleId :

Tot Ion: 94 Resp: 48381

Ion Ratio Lower Upper

94 100

96 92.4 70.9 106.3



#6

Chloroethane

Concen: 24.573 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.02 min

Lab File: VF062130.D

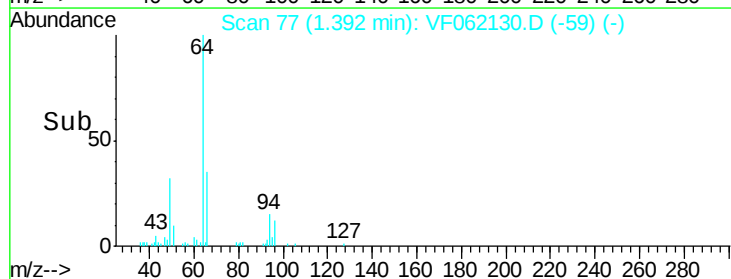
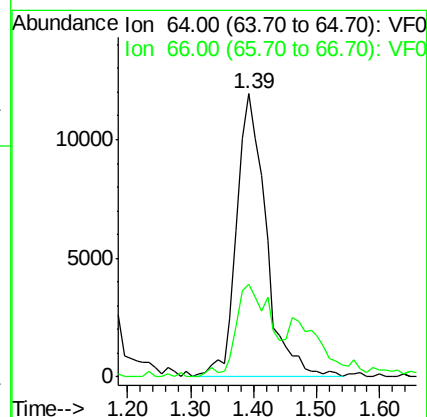
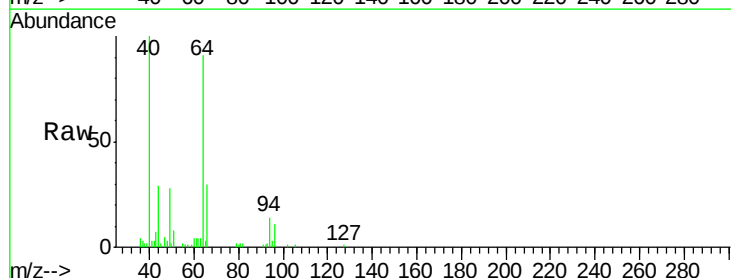
Acq: 25 Mar 2019 14:31

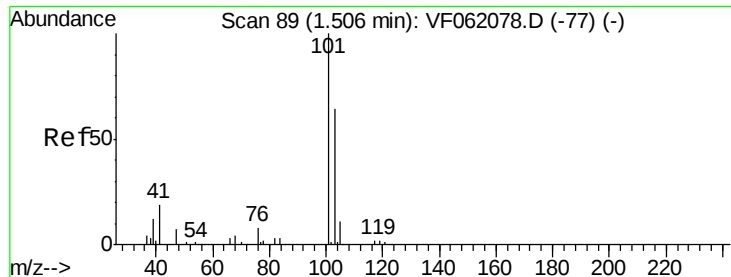
Tgt Ion: 64 Resp: 38564

Ion Ratio Lower Upper

64 100

66 32.5 24.5 36.7





#7

Trichlorofluoromethane

Concen: 23.927 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

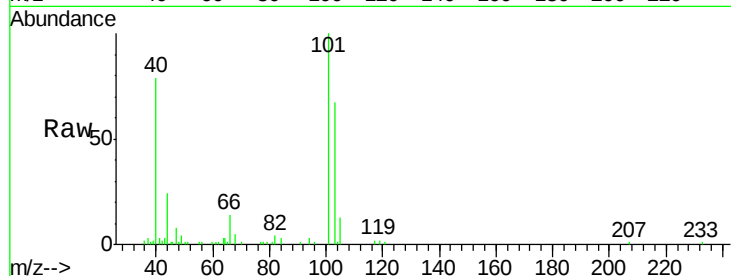
ClientSampleId :

Tot Ion:101 Resp: 90088

Ion Ratio Lower Upper

101 100

103 66.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.47

15000

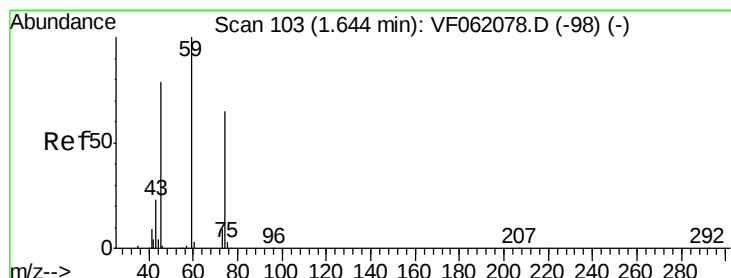
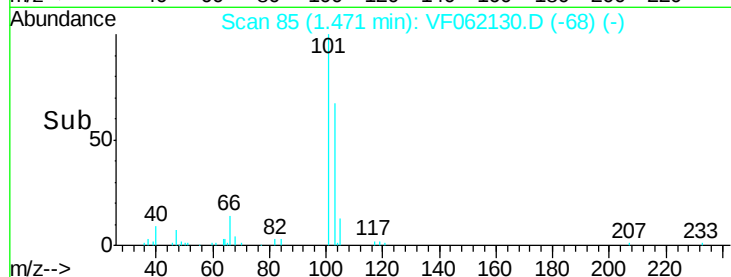
10000

5000

0

Time-->

1.30 1.40 1.50 1.60 1.70



#8

Diethyl Ether

Concen: 21.733 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF062130.D

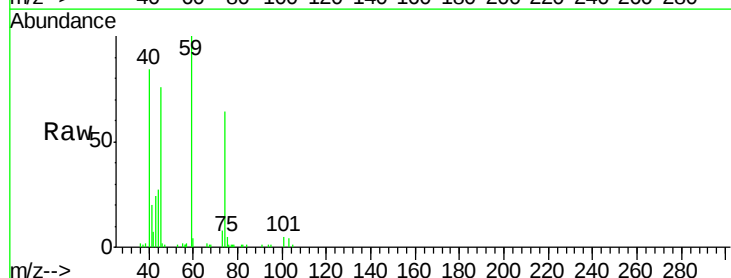
Acq: 25 Mar 2019 14:31

Tgt Ion: 74 Resp: 18692

Ion Ratio Lower Upper

74 100

45 118.9 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

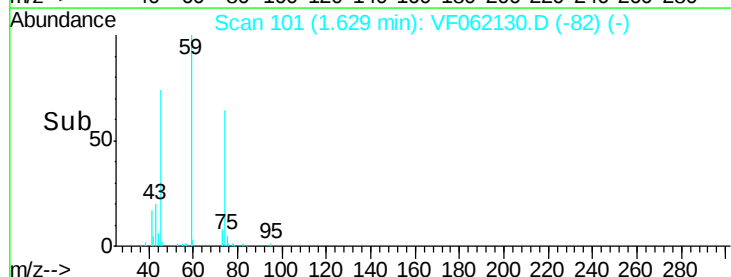
10000

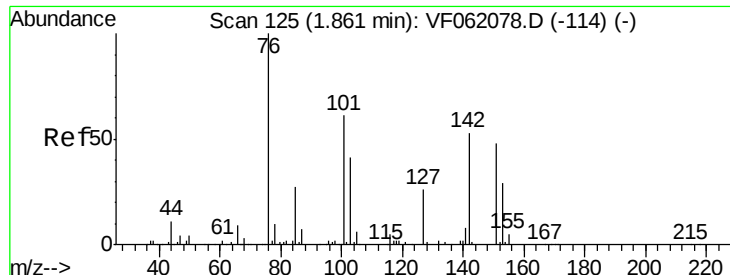
5000

0

Time-->

1.60 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.039 ug/l

RT: 1.85 min Scan# 123

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

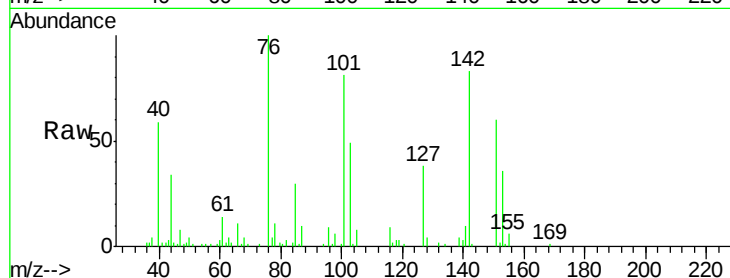
Tot Ion:101 Resp: 61748

Ion Ratio Lower Upper

101 100

85 37.2 34.6 52.0

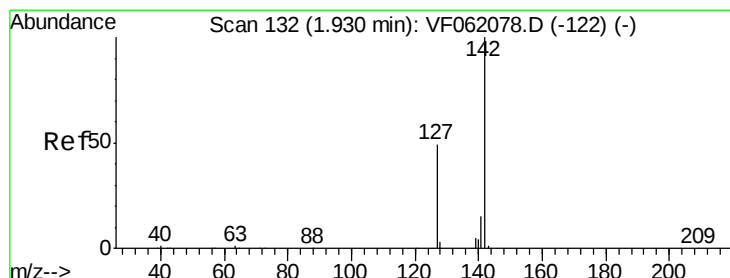
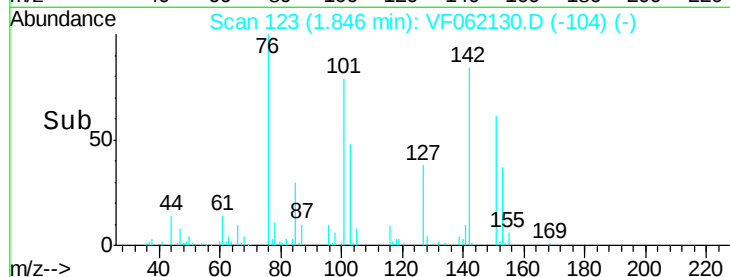
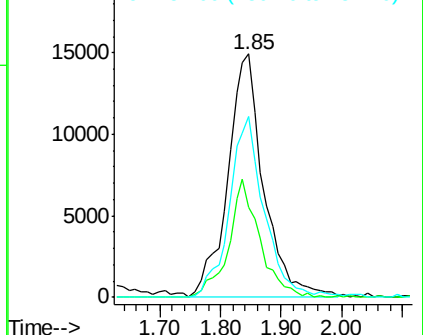
151 74.5 61.7 92.5



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: 17.478 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

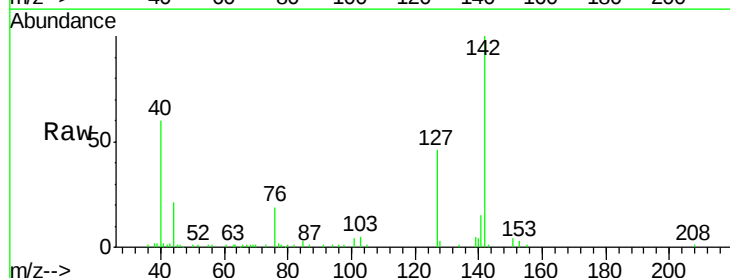
Tgt Ion:142 Resp: 85315

Ion Ratio Lower Upper

142 100

127 45.8 39.1 58.7

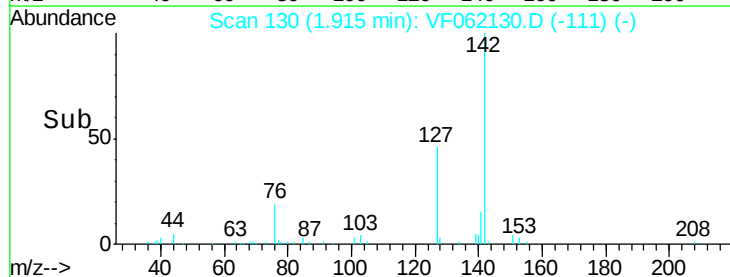
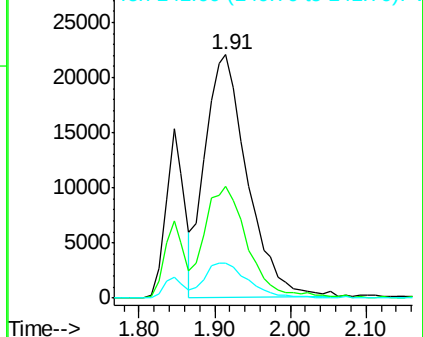
141 14.6 12.2 18.4

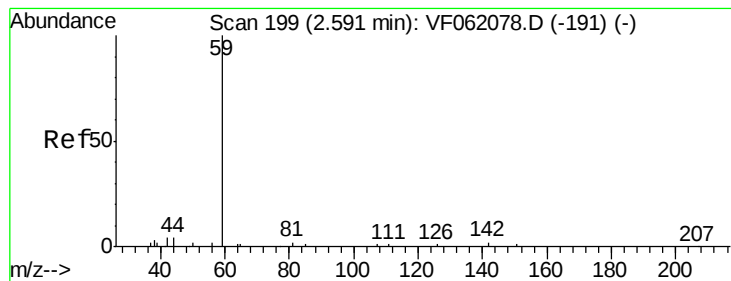


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



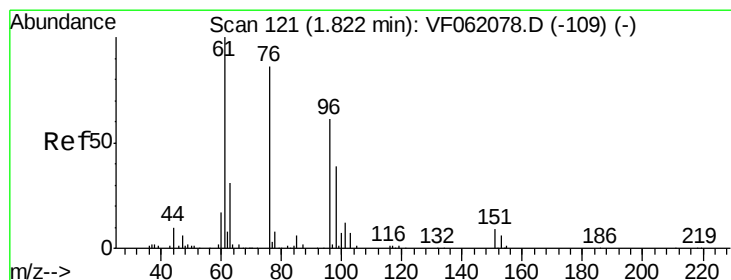
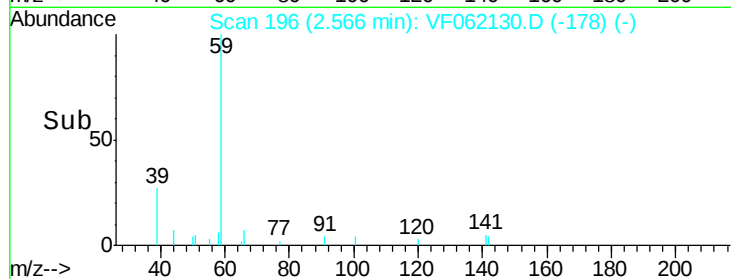
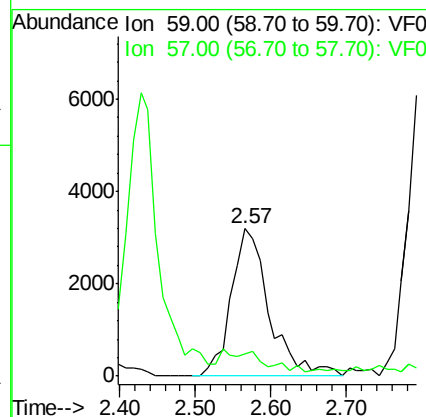
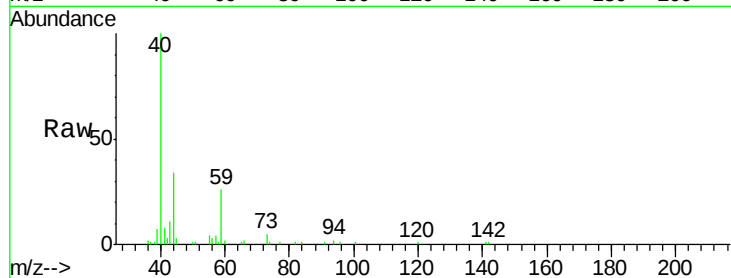


#11

Tert butyl alcohol
 Concen: 107.939 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Instrument :
 MSVOA_F
 ClientSampled :

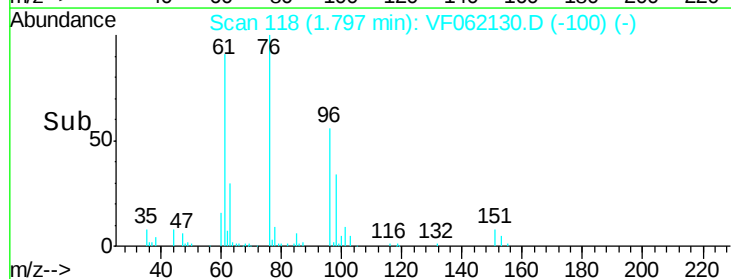
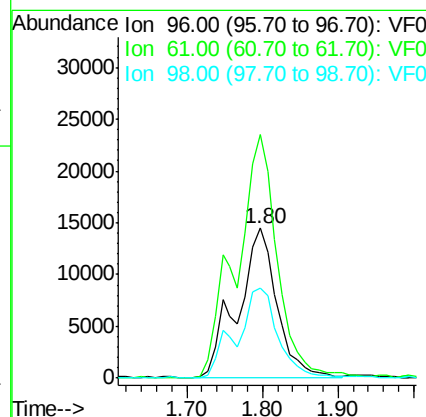
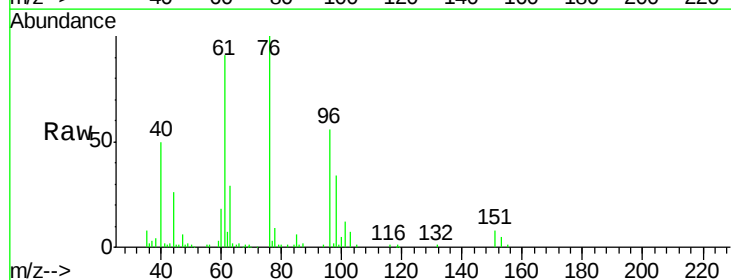
Tot Ion: 59 Resp: 11107
 Ion Ratio Lower Upper
 59 100
 57 14.8 11.0 16.4

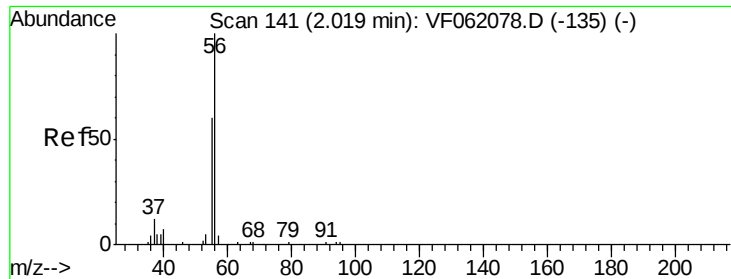


#12

1,1-Dichloroethene
 Concen: 21.986 ug/l
 RT: 1.80 min Scan# 118
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion: 96 Resp: 53285
 Ion Ratio Lower Upper
 96 100
 61 162.5 131.0 196.6
 98 60.3 51.5 77.3





#13

Acrolein

Concen: 126.194 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

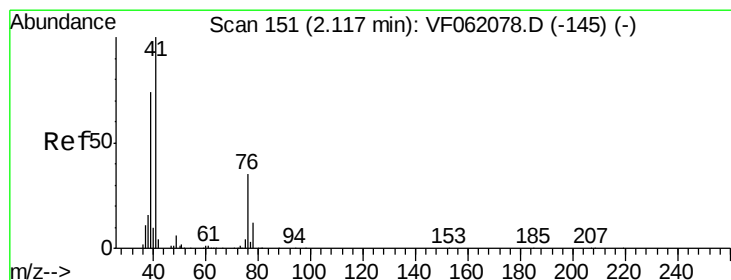
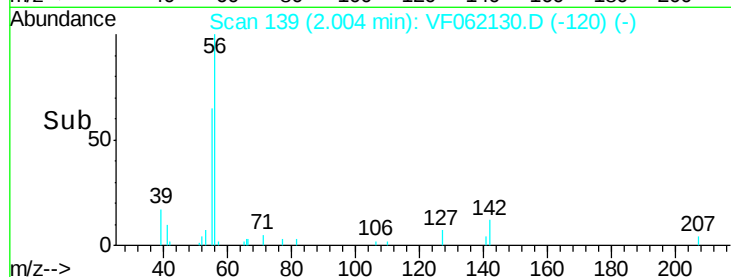
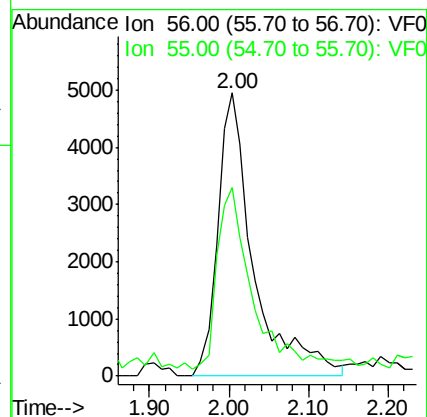
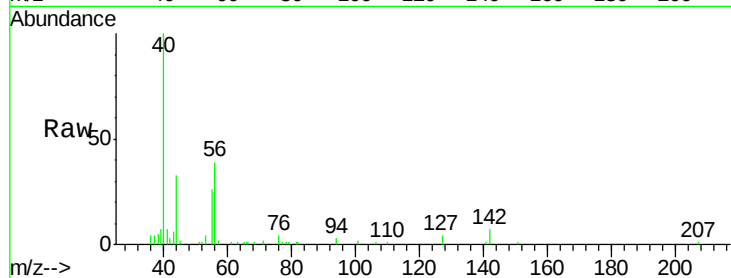
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 15615

Ion Ratio Lower Upper

56 100

55 66.9 49.0 73.4



#14

Allyl chloride

Concen: 26.377 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

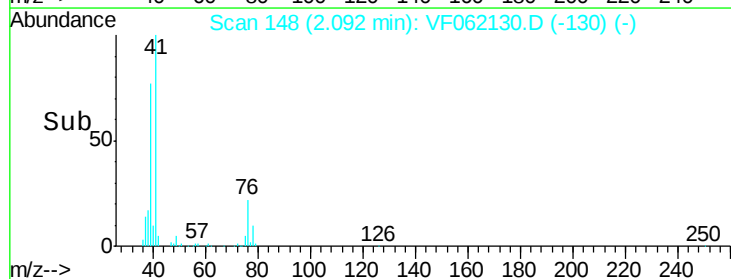
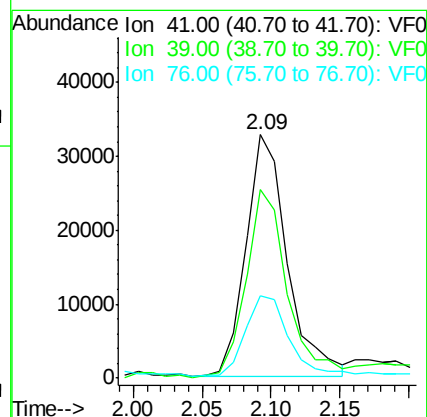
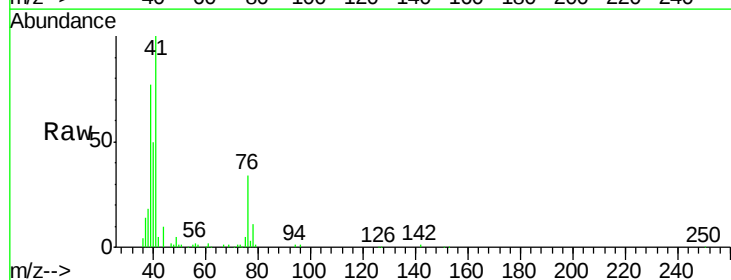
Tgt Ion: 41 Resp: 68252

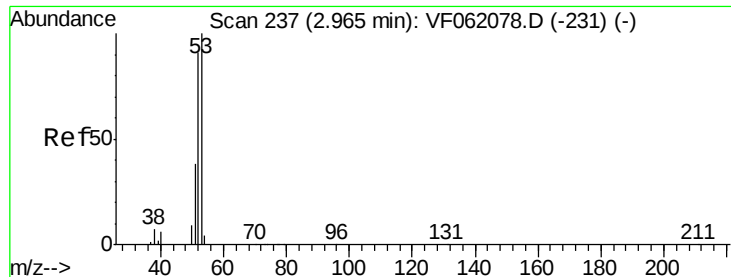
Ion Ratio Lower Upper

41 100

39 77.4 59.8 89.8

76 33.8 30.0 45.0





#15

Acrylonitrile

Concen: 114.125 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

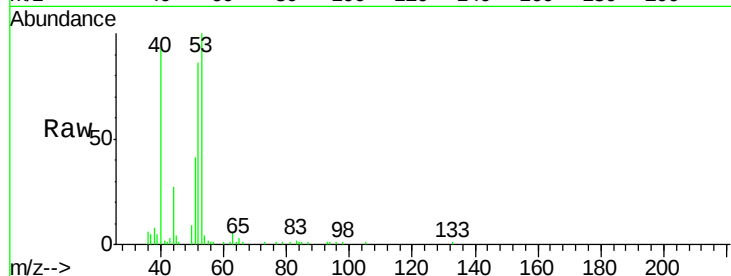
Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 41296

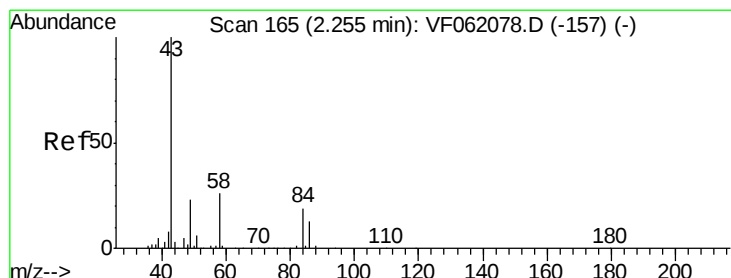
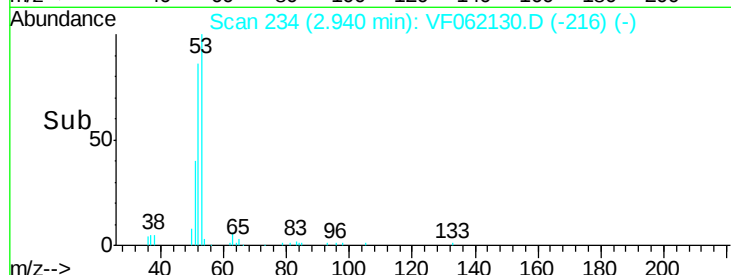
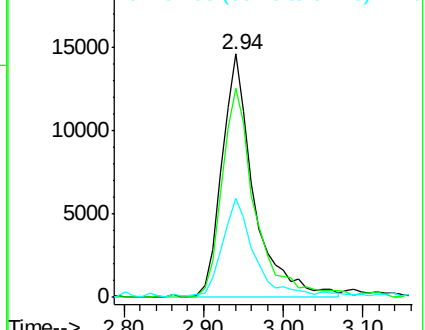
Ion	Ratio	Lower	Upper
53	100		
52	85.7	72.3	108.5
51	40.6	30.4	45.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 109.619 ug/l

RT: 2.24 min Scan# 163

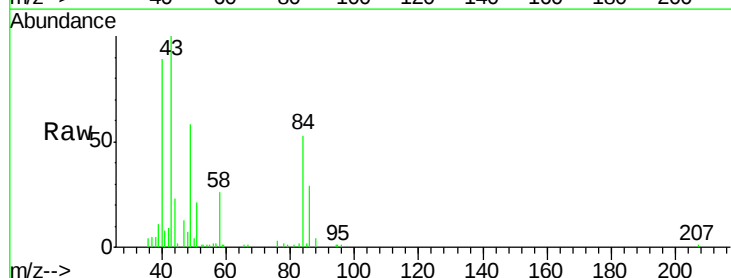
Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

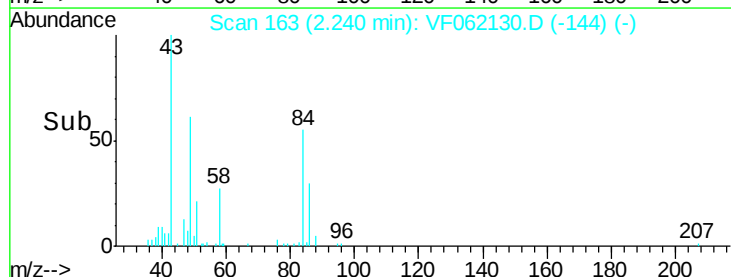
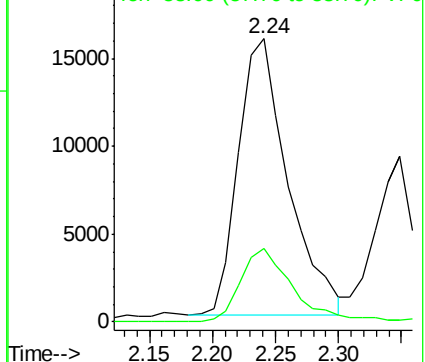
Tgt Ion: 43 Resp: 43147

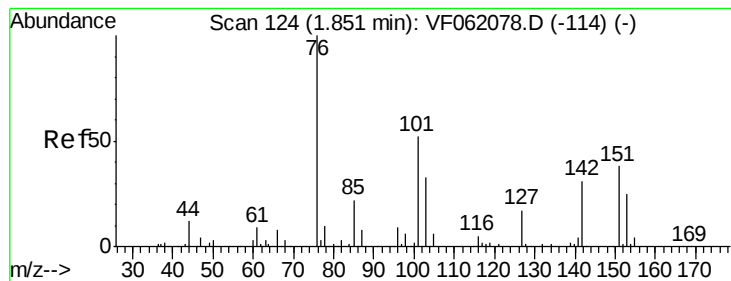
Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.8	31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 22.717 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.04 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

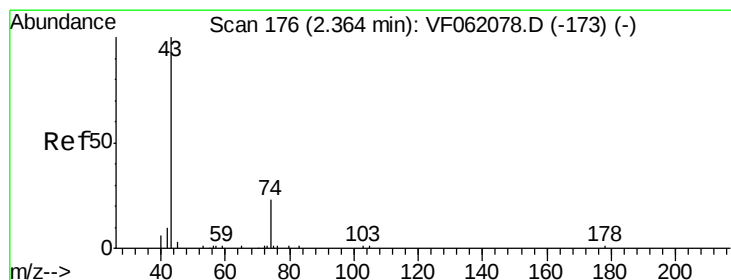
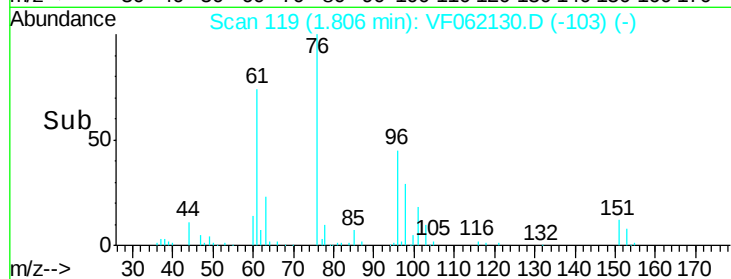
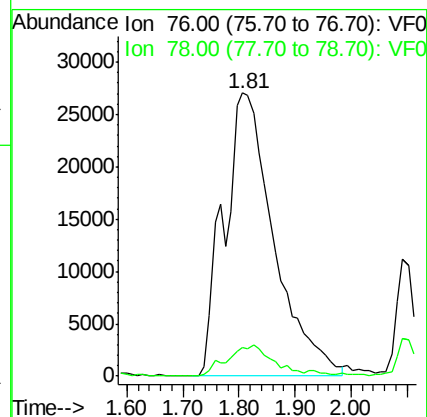
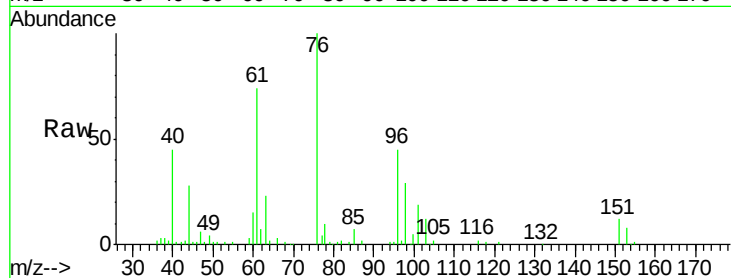
ClientSampleId :

Tot Ion: 76 Resp: 167889

Ion Ratio Lower Upper

76 100

78 10.3 7.9 11.9



#18

Methyl Acetate

Concen: 21.975 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF062130.D

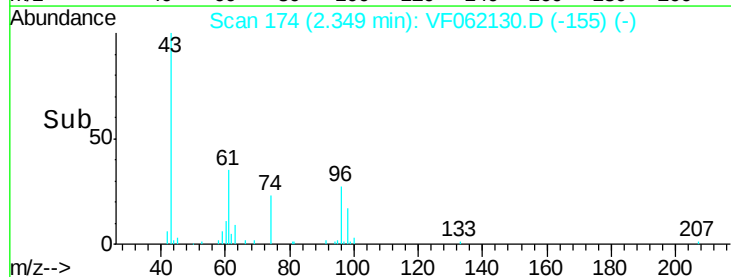
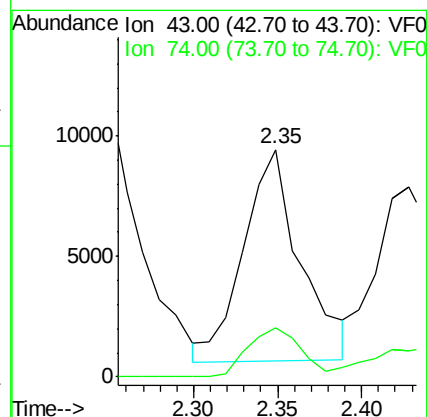
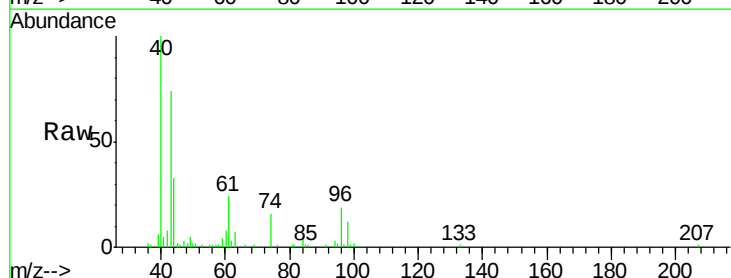
Acq: 25 Mar 2019 14:31

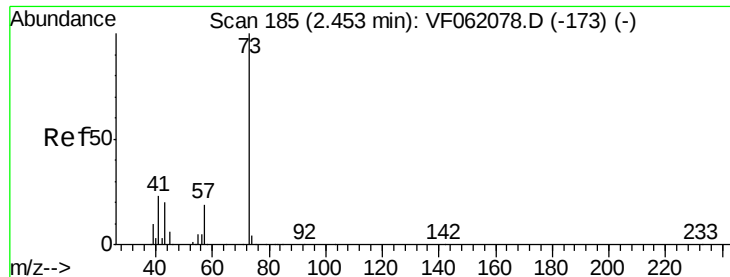
Tgt Ion: 43 Resp: 20633

Ion Ratio Lower Upper

43 100

74 21.8 16.3 24.5

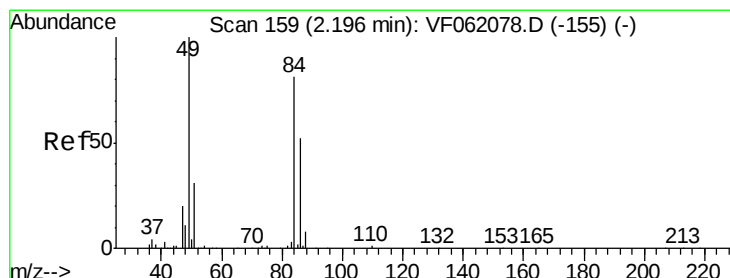
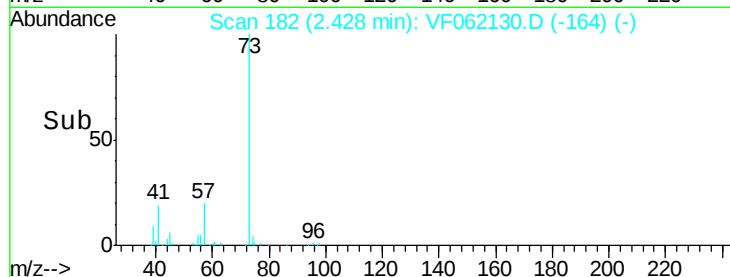
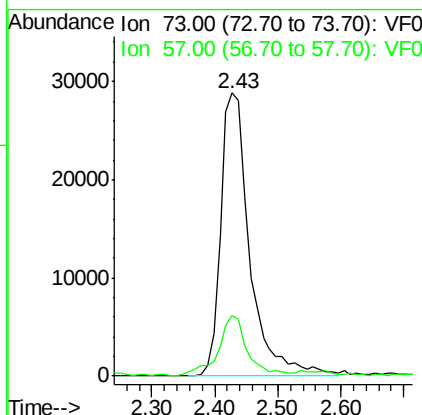
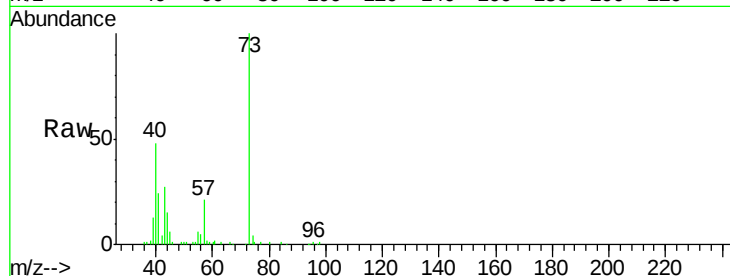




#19
Methvl tert-butvl Ether
Concen: 24.209 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

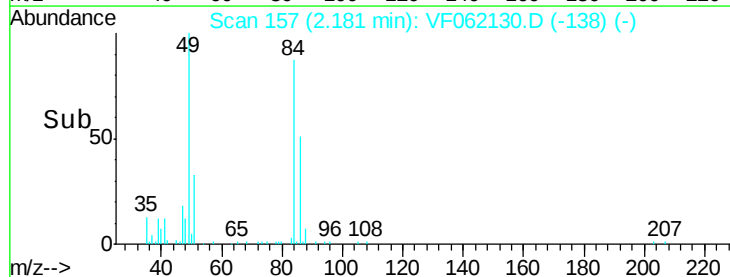
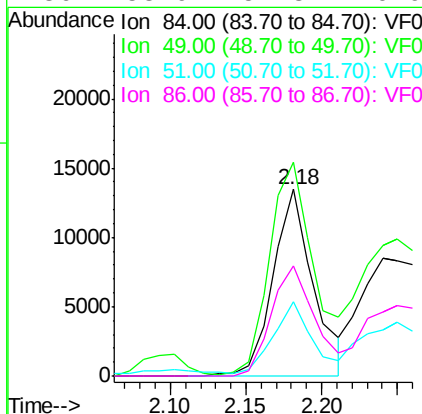
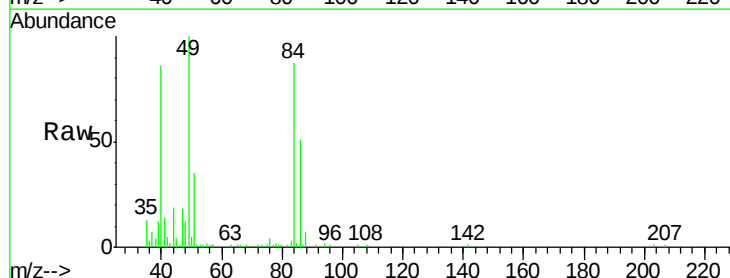
Instrument :
MSVOA_F
ClientSampleId :

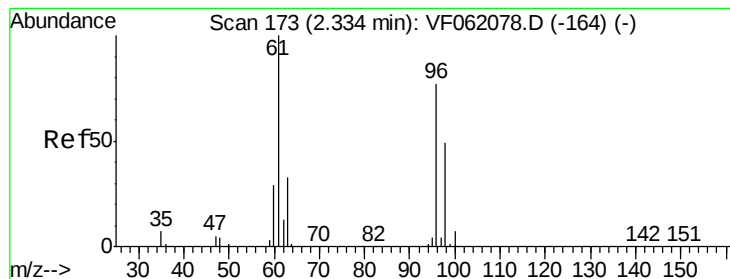
Tot Ion: 73 Resp: 92734
Ion Ratio Lower Upper
73 100
57 21.3 15.1 22.7



#20
Methylene Chloride
Concen: 7.888 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion: 84 Resp: 25070
Ion Ratio Lower Upper
84 100
49 114.6 100.4 150.6
51 40.0 31.0 46.6
86 58.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 24.954 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

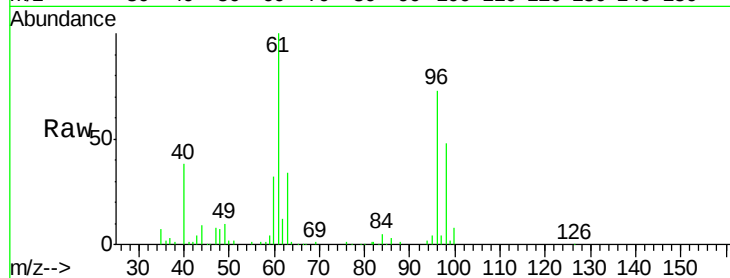
Tot Ion: 96 Resp: 58190

Ion Ratio Lower Upper

96 100

61 136.3 104.5 156.7

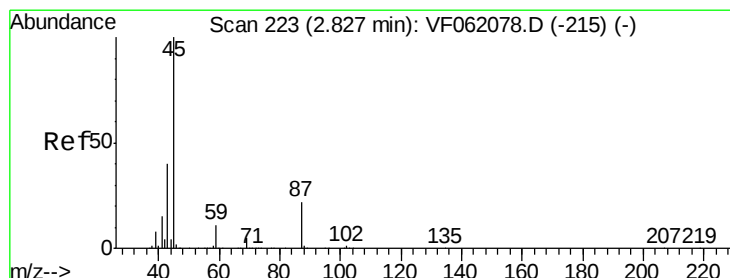
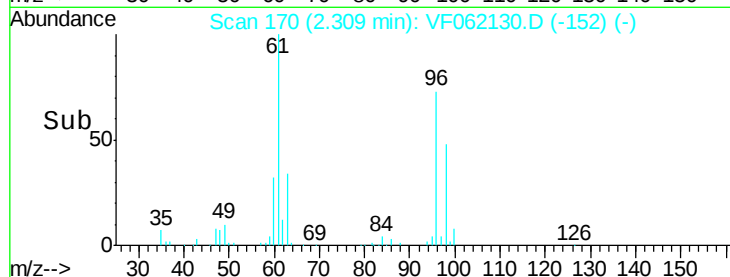
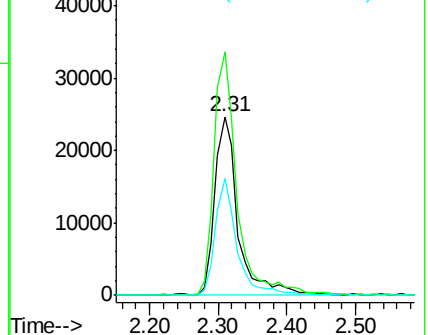
98 65.1 51.2 76.8



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



#22

Diisopropyl ether

Concen: 23.476 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Tgt Ion: 45 Resp: 159264

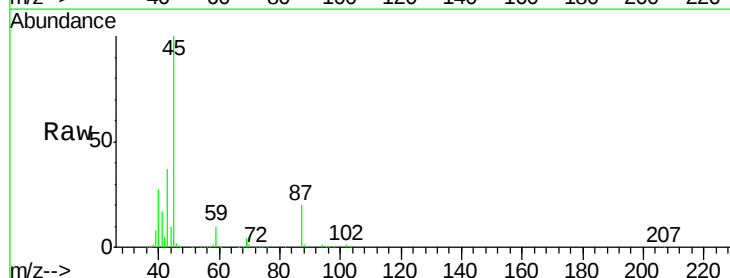
Ion Ratio Lower Upper

45 100

43 36.9 32.5 48.7

87 19.7 17.4 26.2

59 10.1 8.6 12.8

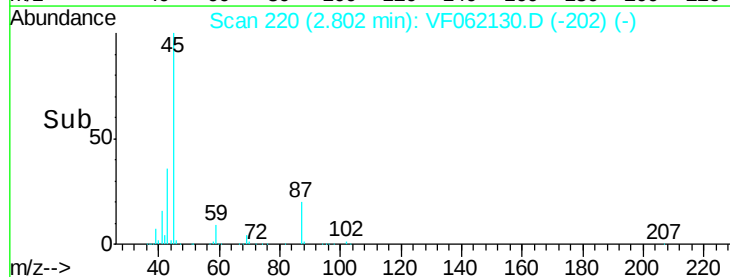
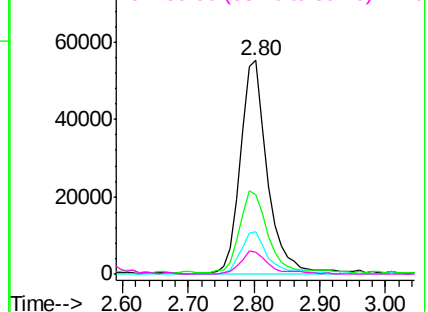


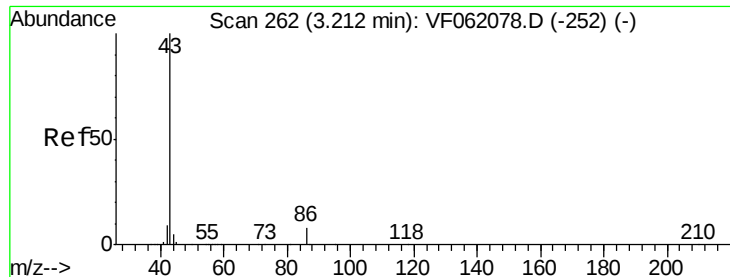
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 120.603 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

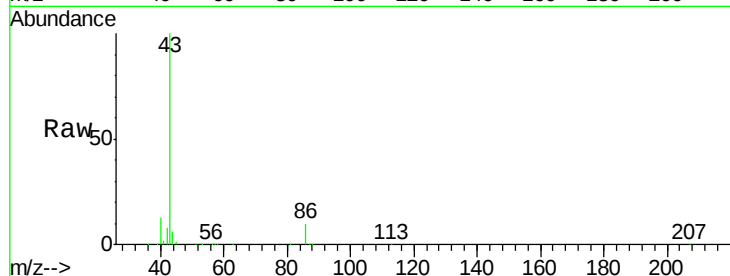
ClientSampleId :

Tot Ion: 43 Resp: 334994

Ion Ratio Lower Upper

43 100

86 9.6 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

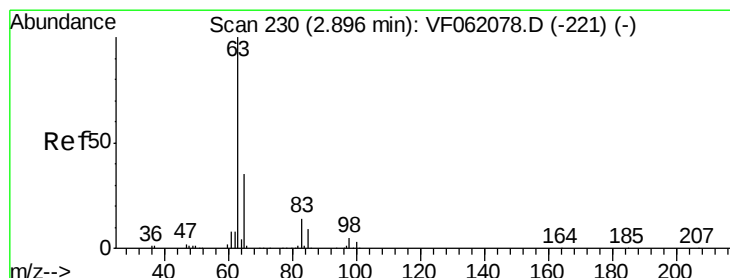
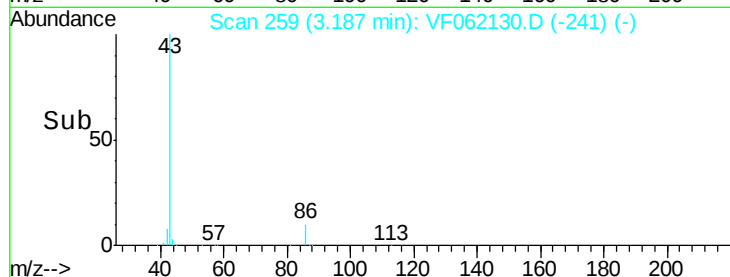
3.19

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.297 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

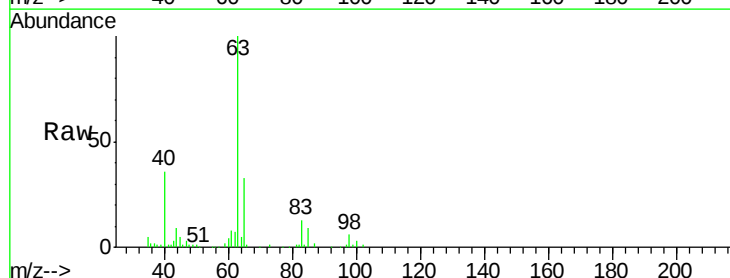
Tgt Ion: 63 Resp: 94780

Ion Ratio Lower Upper

63 100

98 6.4 2.7 8.1

100 3.3 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

50000

40000

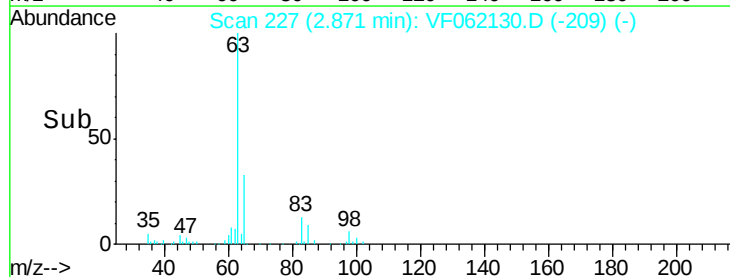
30000

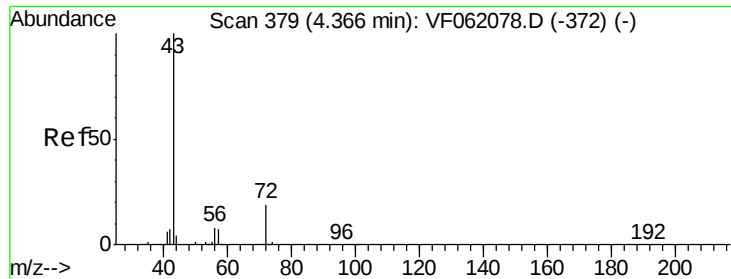
20000

10000

0

Time-->





#25

2-Butanone

Concen: 114.134 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

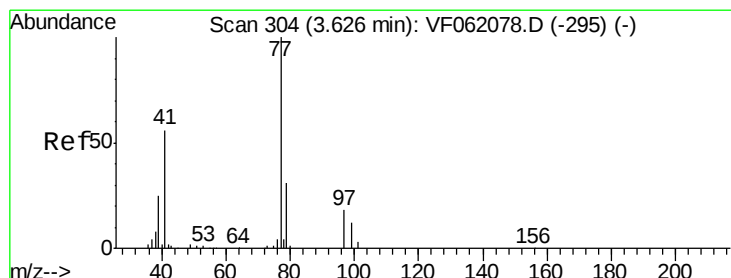
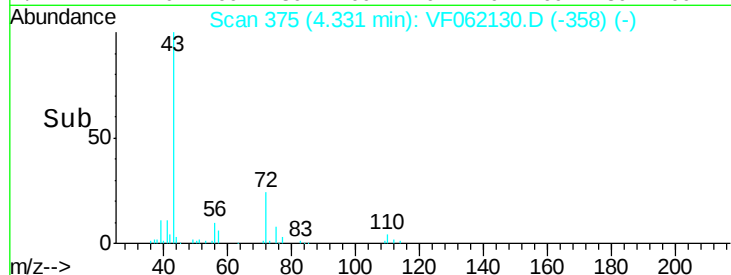
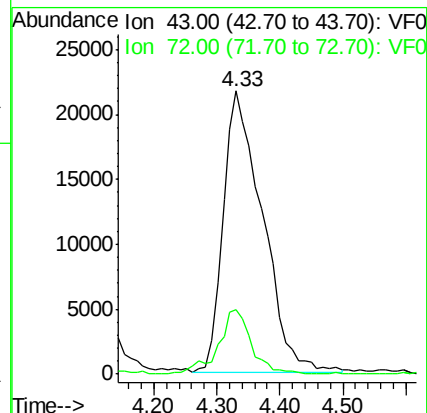
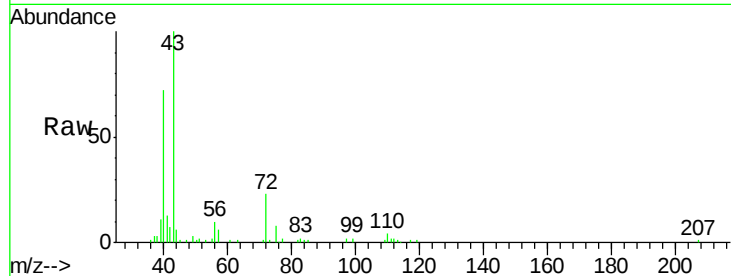
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 93785

Ion Ratio Lower Upper

43 100

72 22.8 16.7 25.1



#26

2,2-Dichloropropane

Concen: 24.131 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF062130.D

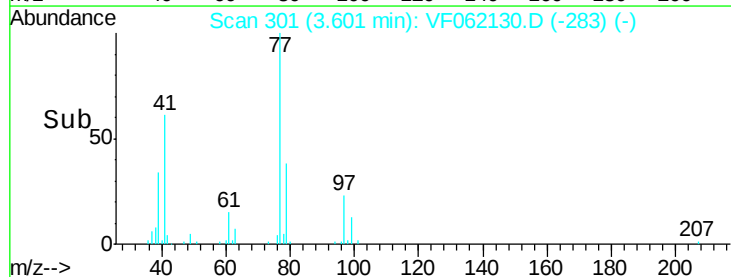
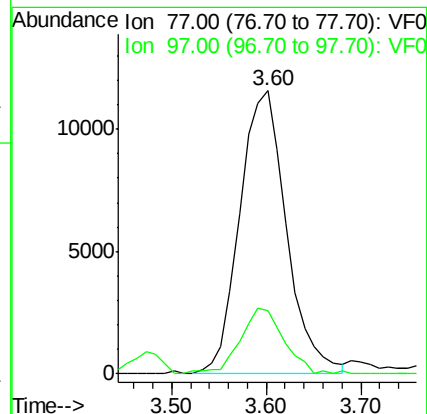
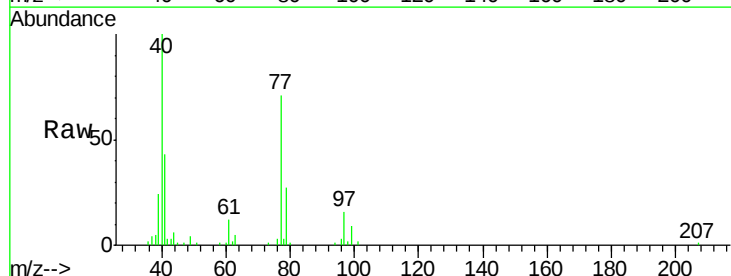
Acq: 25 Mar 2019 14:31

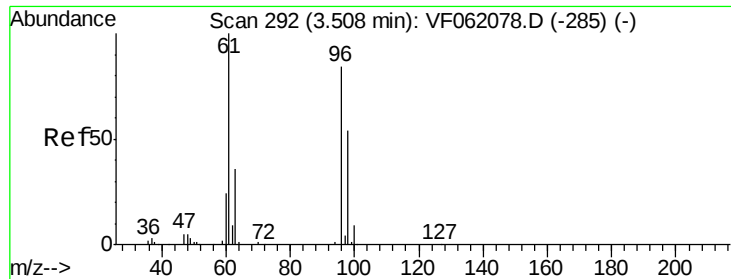
Tgt Ion: 77 Resp: 39805

Ion Ratio Lower Upper

77 100

97 22.2 10.3 30.9



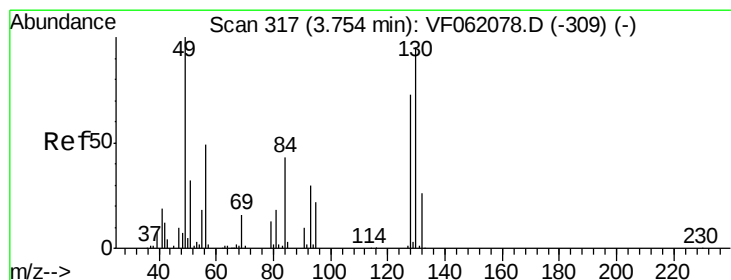
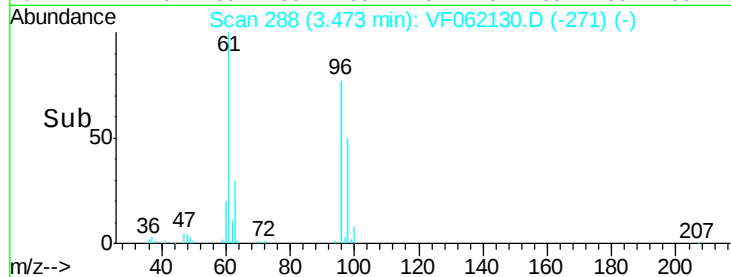
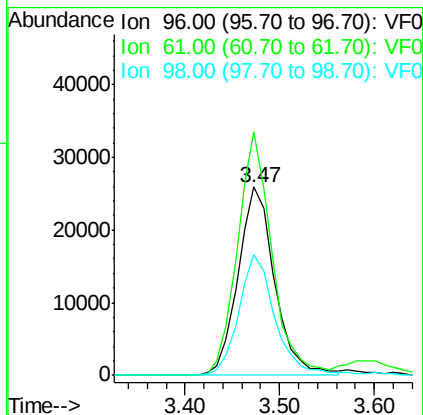
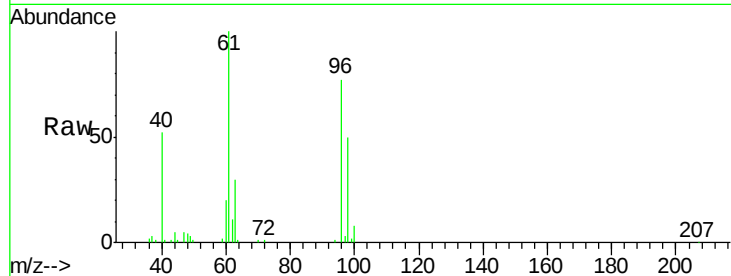


#27

cis-1,2-Dichloroethene
 Concen: 22.501 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :

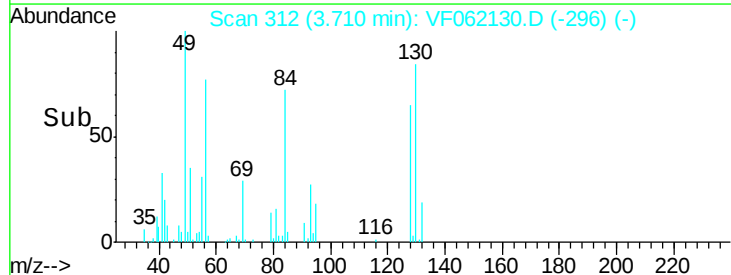
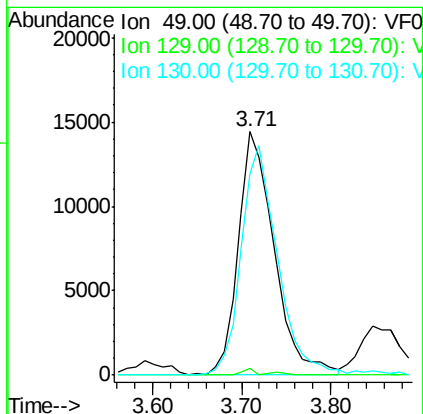
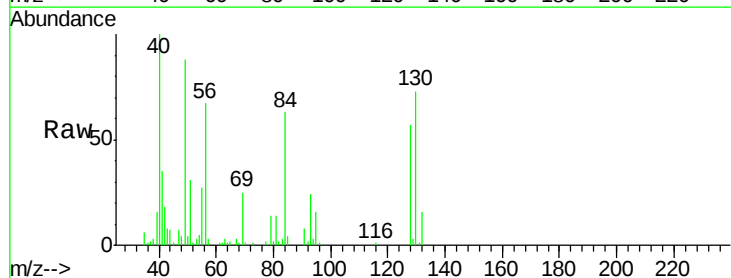
Tot Ion: 96 Resp: 69529
 Ion Ratio Lower Upper
 96 100
 61 129.3 0.0 239.0
 98 64.4 0.0 128.2

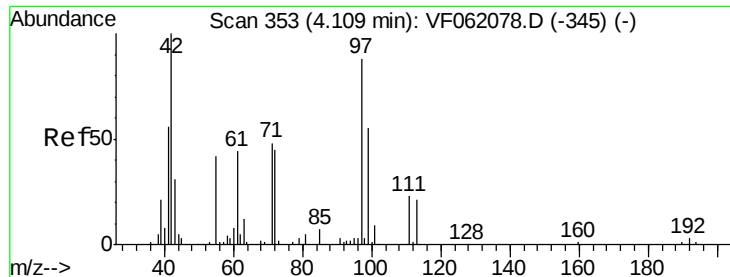


#28

Bromochloromethane
 Concen: 24.353 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.04 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion: 49 Resp: 40480
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 5.6
 130 82.5 75.5 113.3

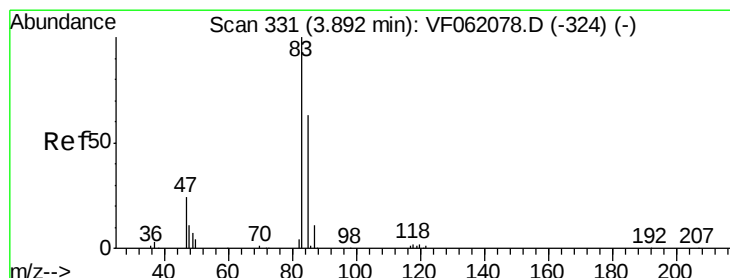
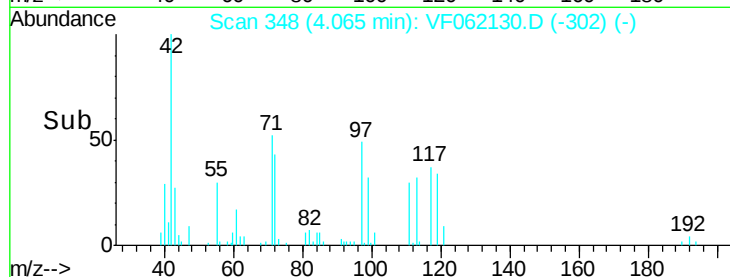
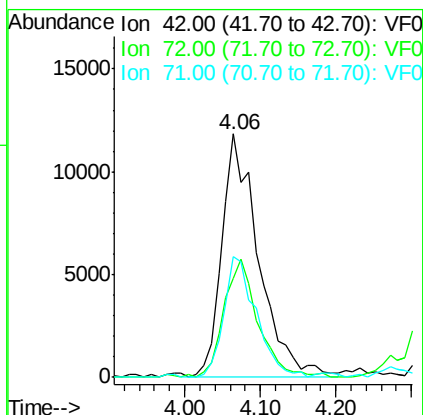
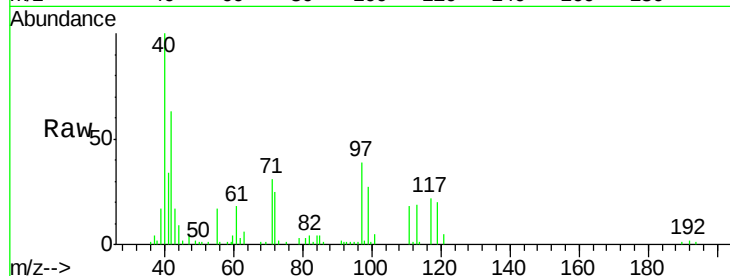




#29
Tetrahydrofuran
Concen: 112.193 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

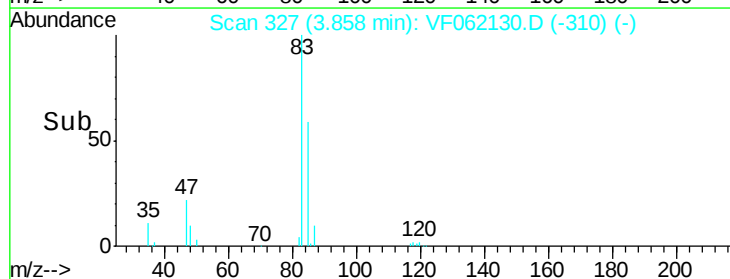
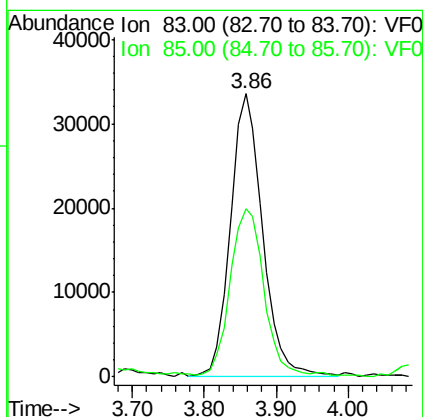
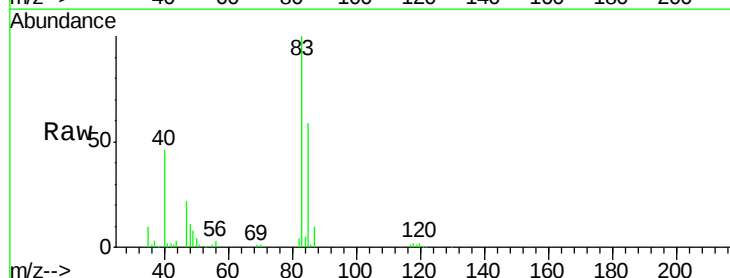
Instrument :
MSVOA_F
ClientSampleId :

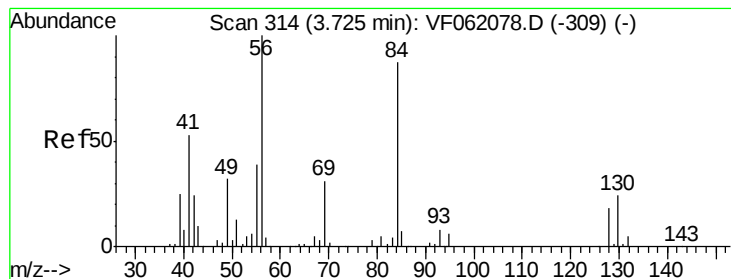
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	33.3	49.9
71	43.4	35.0	52.4



#30
Chloroform
Concen: 24.356 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.5	77.3





#31

Cyclohexane

Concen: 16.085 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :

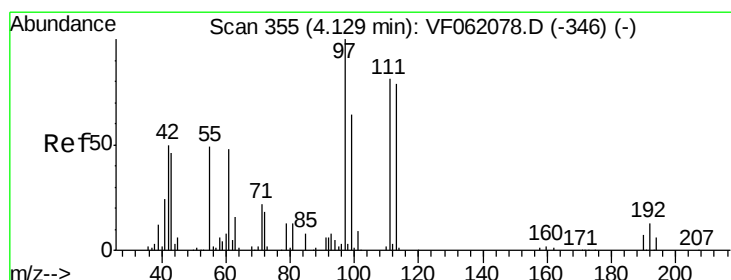
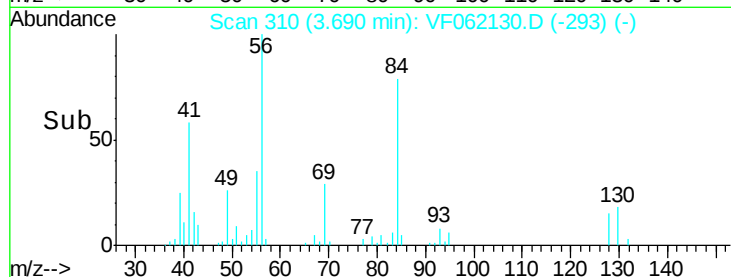
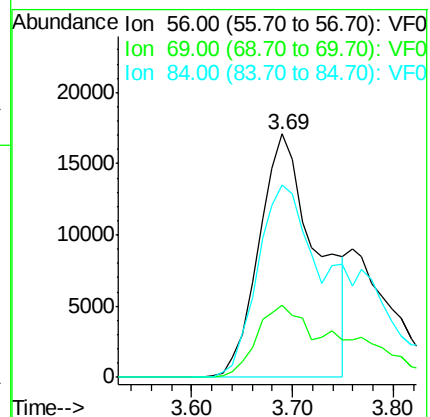
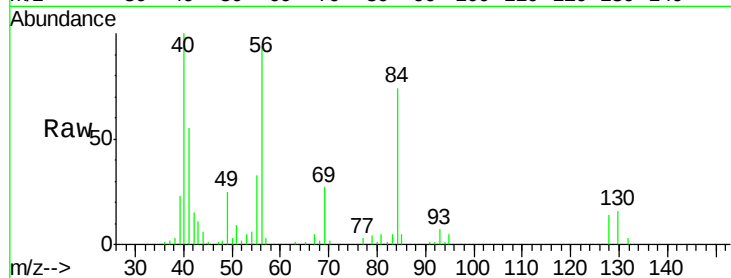
Tot Ion: 56 Resp: 68348

Ion Ratio Lower Upper

56 100

69 29.4 25.9 38.9

84 78.8 71.1 106.7



#32

1,1,1-Trichloroethane

Concen: 24.436 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

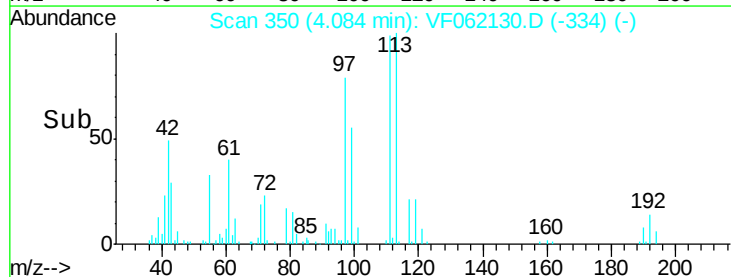
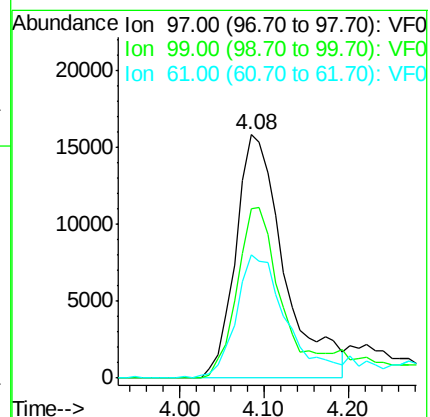
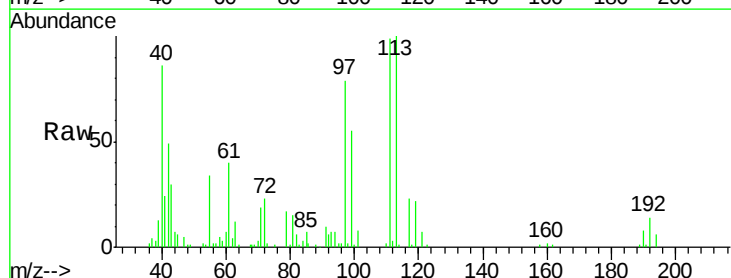
Tgt Ion: 97 Resp: 63912

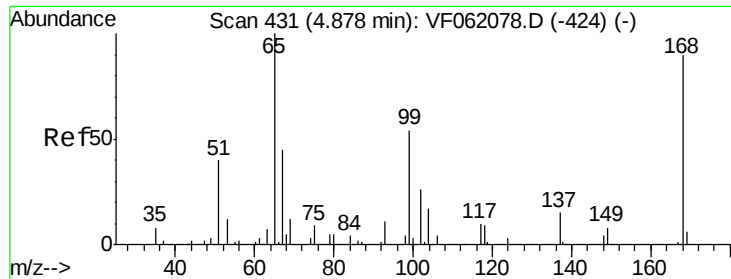
Ion Ratio Lower Upper

97 100

99 69.4 51.3 76.9

61 50.5 39.0 58.6

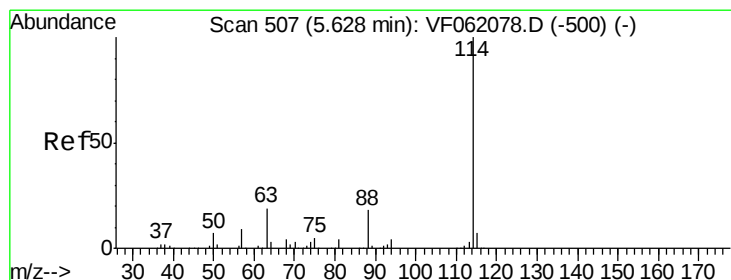
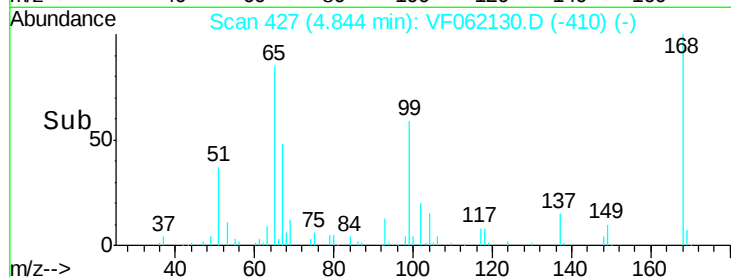
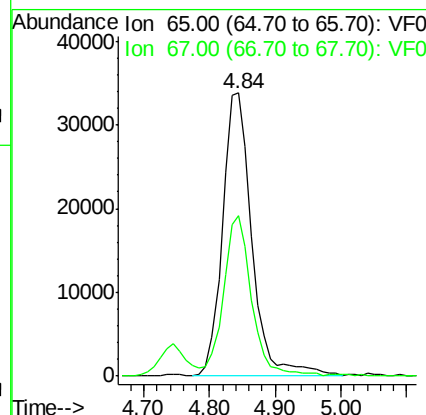
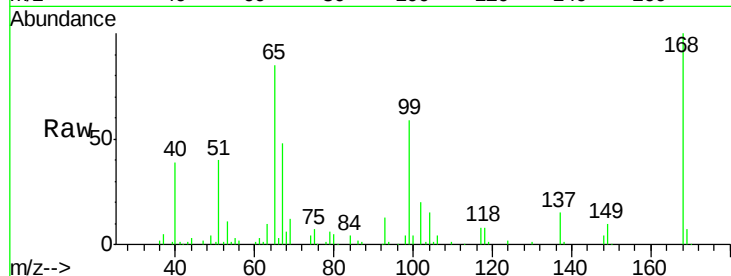




#33
 1,2-Dichloroethane-d4
 Concen: 56.301 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

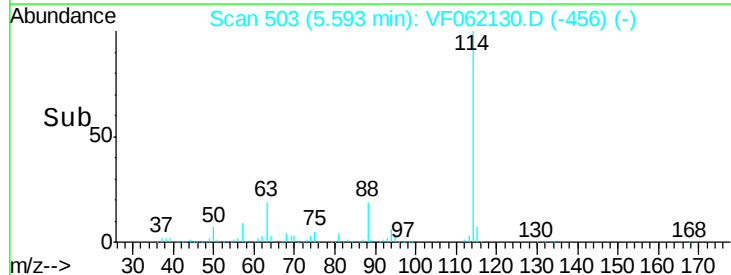
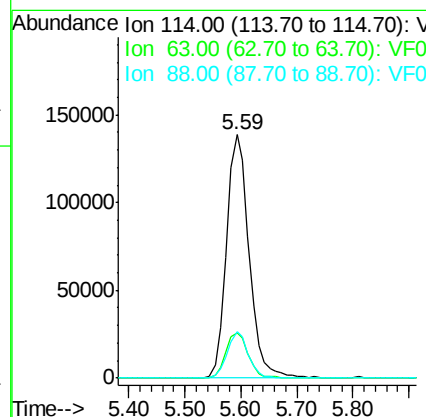
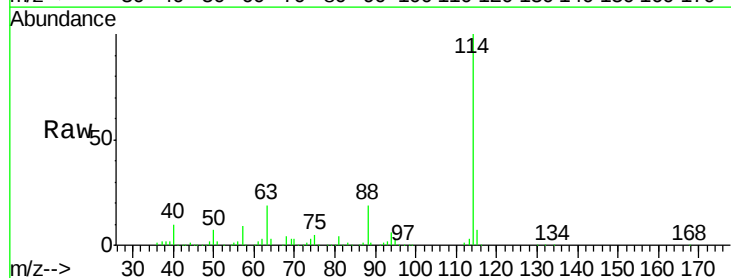
Instrument :
 MSVOA_F
 ClientSampleId :

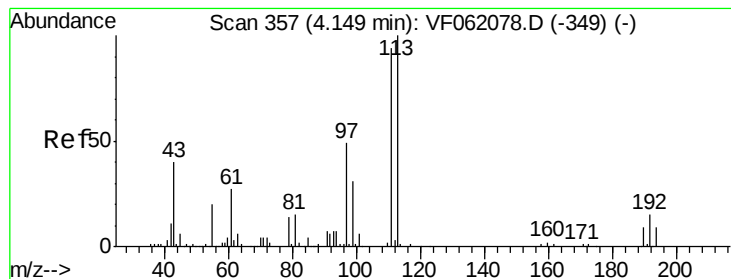
Tot Ion: 65 Resp: 105293
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion: 114 Resp: 389256
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 19.0 0.0 36.4





#35

Dibromofluoromethane

Concen: 55.297 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampled :

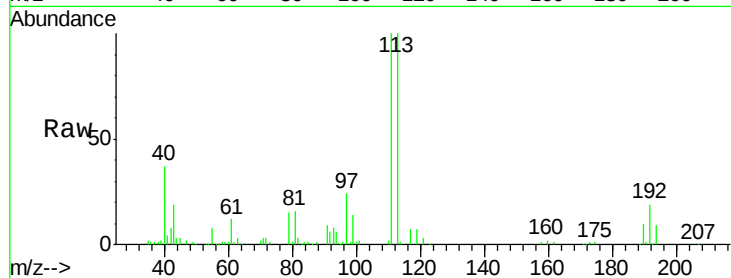
Tot Ion:113 Resp: 145605

Ion Ratio Lower Upper

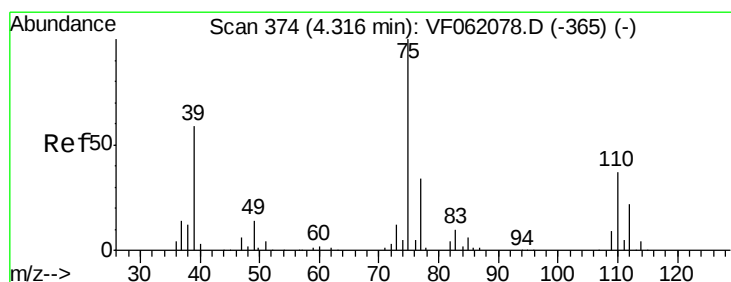
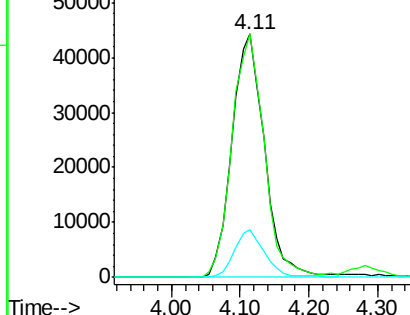
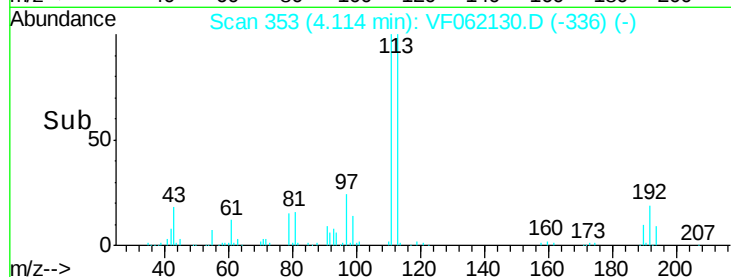
113 100

111 99.9 75.4 113.0

192 19.6 12.3 18.5#



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.750 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

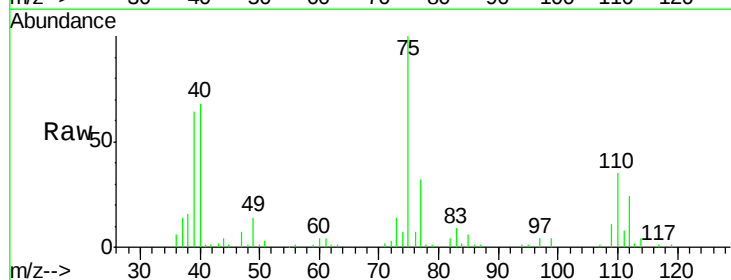
Tgt Ion: 75 Resp: 76935

Ion Ratio Lower Upper

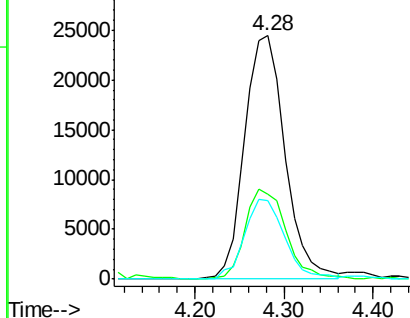
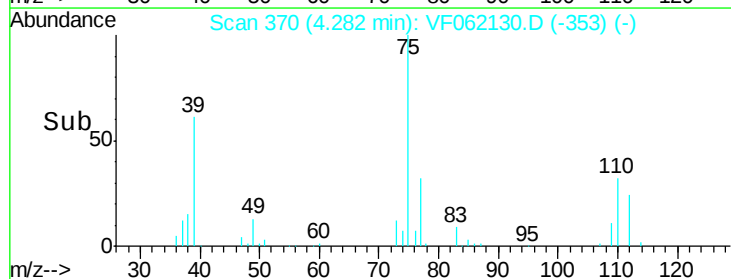
75 100

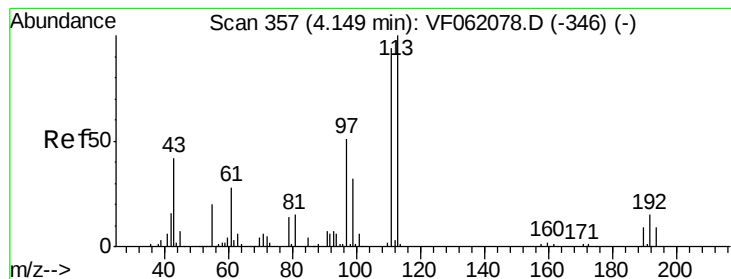
110 34.6 18.5 55.5

77 32.0 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 21.479 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampled :

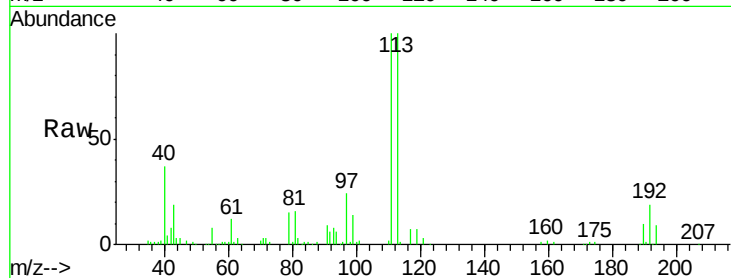
Tot Ion: 43 Resp: 34803

Ion Ratio Lower Upper

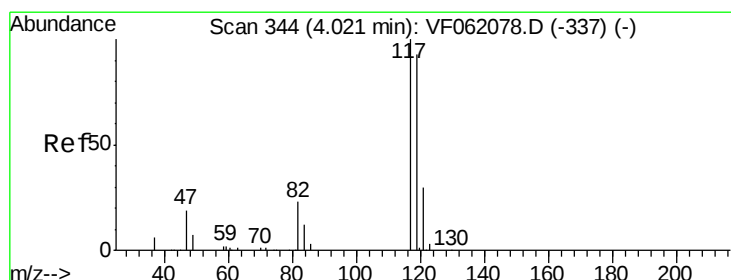
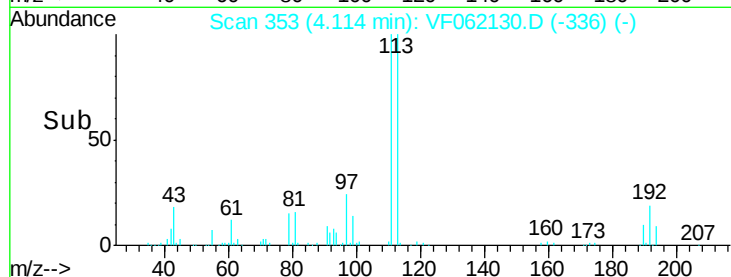
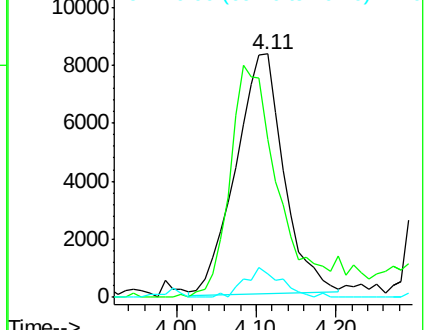
43 100

61 64.6 53.6 80.4

70 9.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 23.688 ug/l

RT: 4.00 min Scan# 341

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

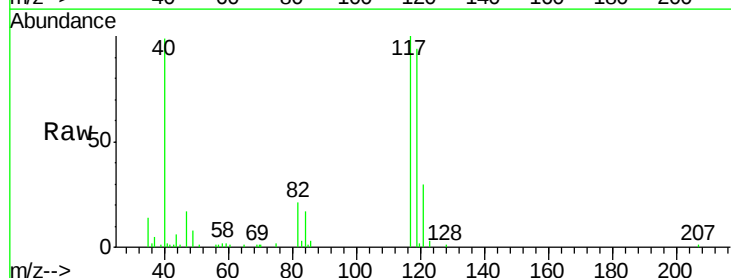
Tgt Ion: 117 Resp: 59861

Ion Ratio Lower Upper

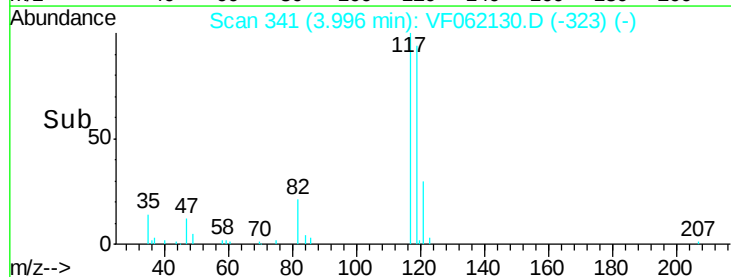
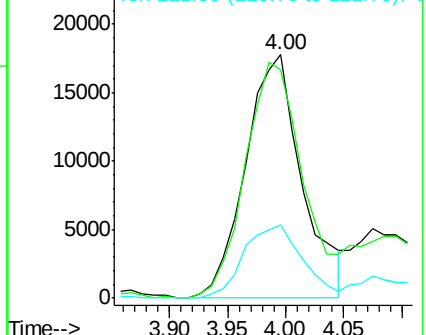
117 100

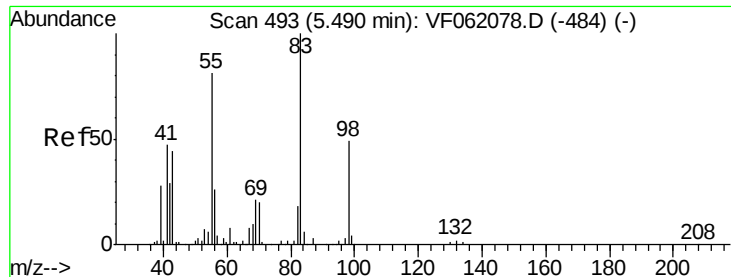
119 93.8 74.7 112.1

121 30.0 23.6 35.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

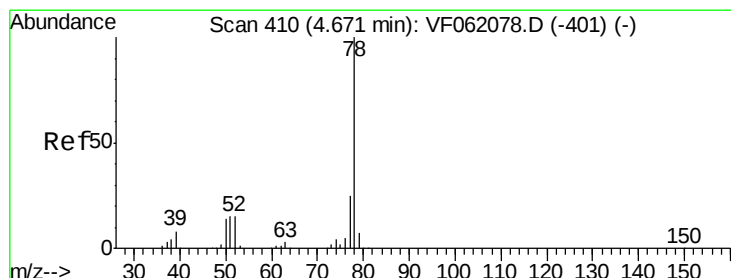
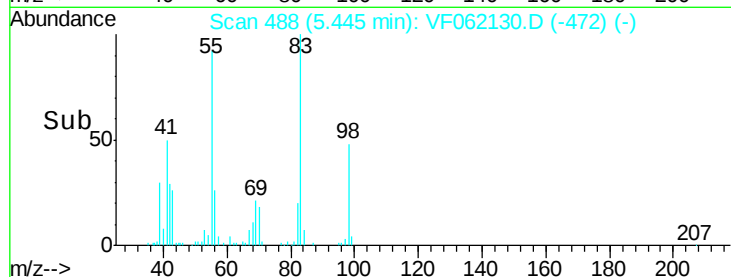
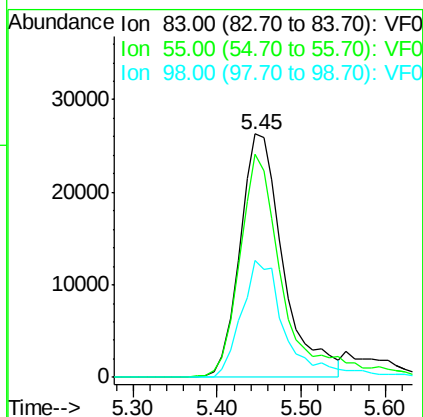
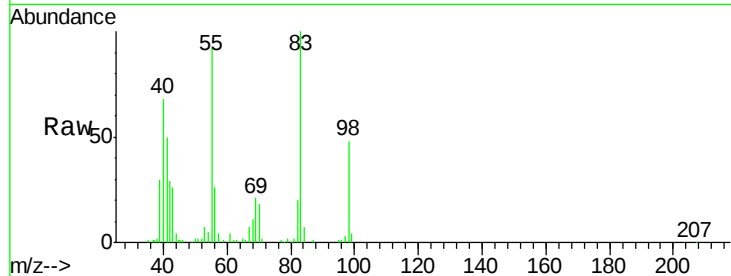




#39
Methylcyclohexane
Concen: 21.911 ug/l
RT: 5.45 min Scan# 488
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

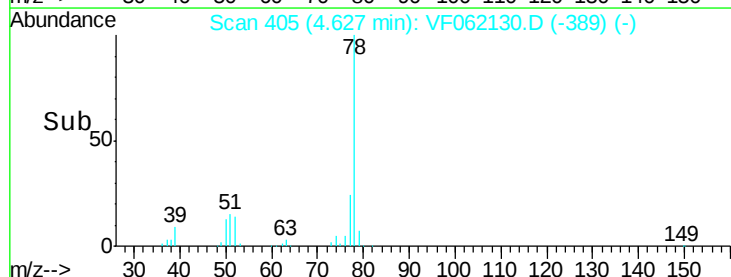
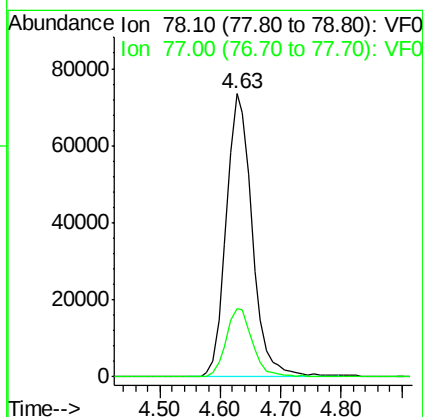
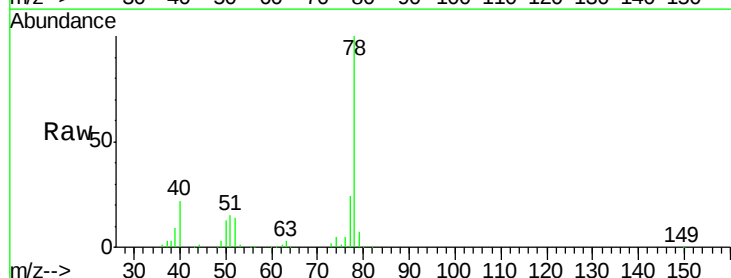
Instrument :
MSVOA_F
ClientSampleId :

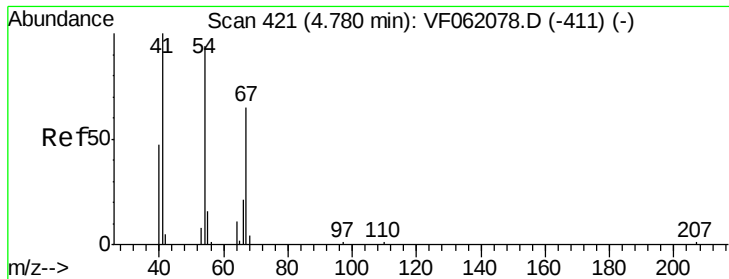
Tot Ion: 83 Resp: 94286
Ion Ratio Lower Upper
83 100
55 91.6 64.5 96.7
98 47.8 39.1 58.7



#40
Benzene
Concen: 22.094 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion: 78 Resp: 219604
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.6

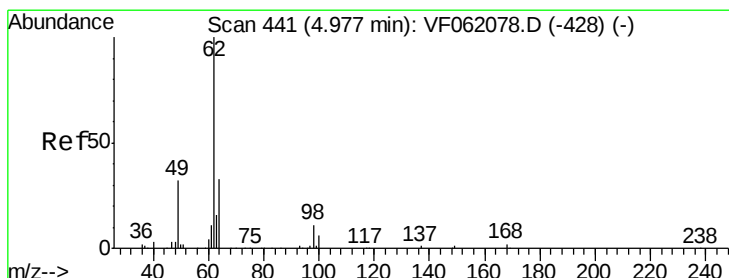
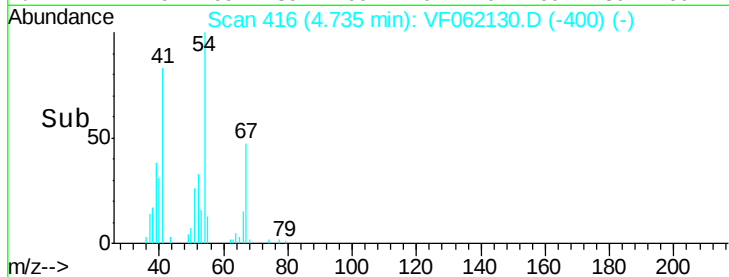
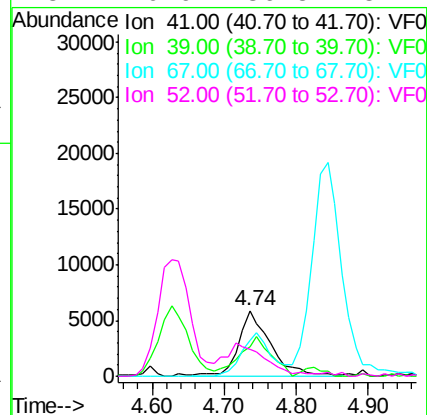
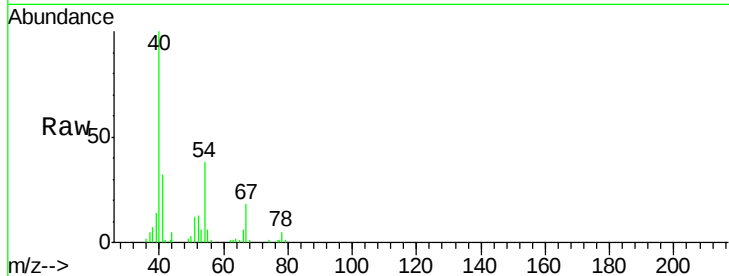




#41
Methacrylonitrile
Concen: 21.434 ug/l
RT: 4.74 min Scan# 416
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

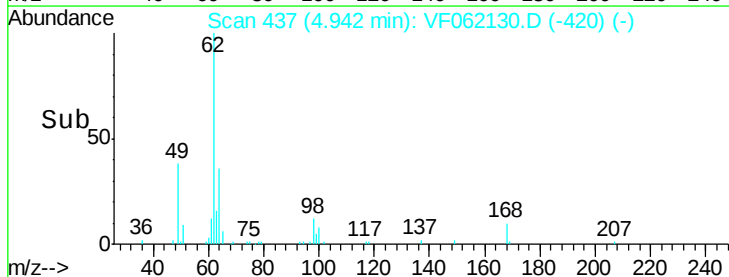
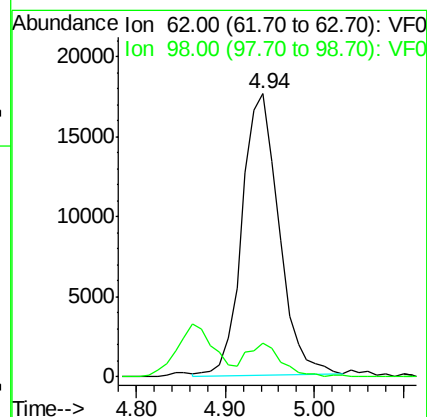
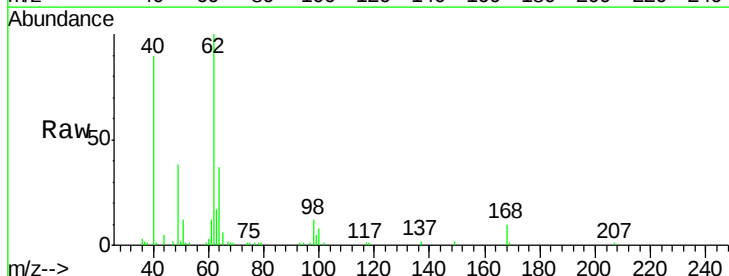
Instrument :
MSVOA_F
ClientSampled :

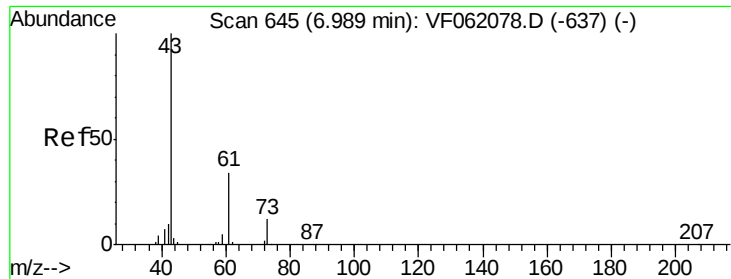
Tot Ion:	41	Resp:	18376
Ion	Ratio	Lower	Upper
41	100		
39	44.8	43.5	65.3
67	55.1	51.6	77.4
52	40.9	36.5	54.7



#42
1,2-Dichloroethane
Concen: 21.552 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion:	62	Resp:	50657
Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	23.2



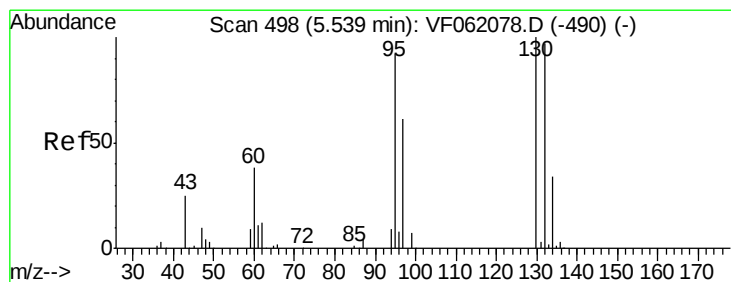
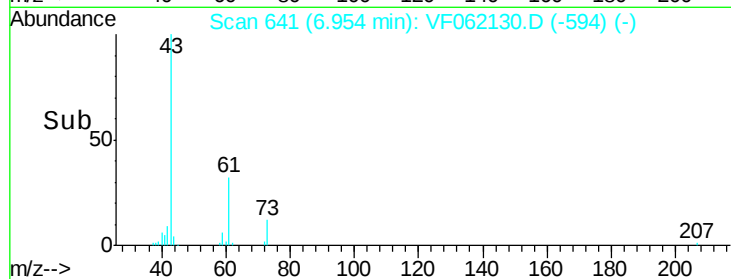
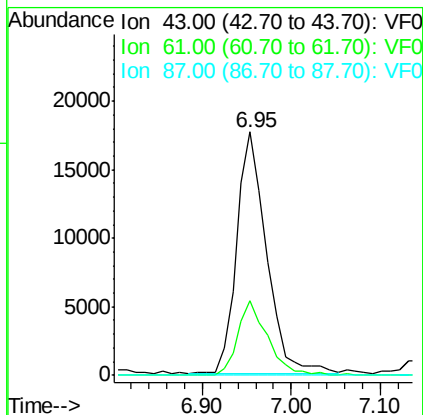
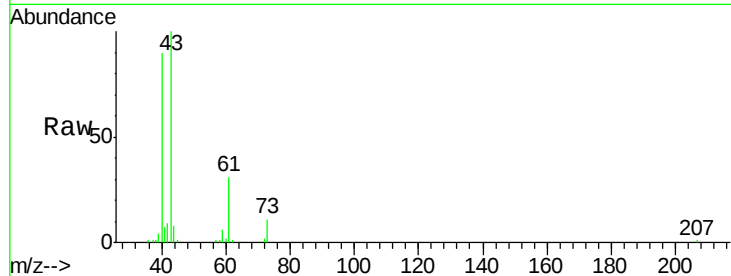


#43

Isopropyl Acetate
 Concen: 21.069 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :

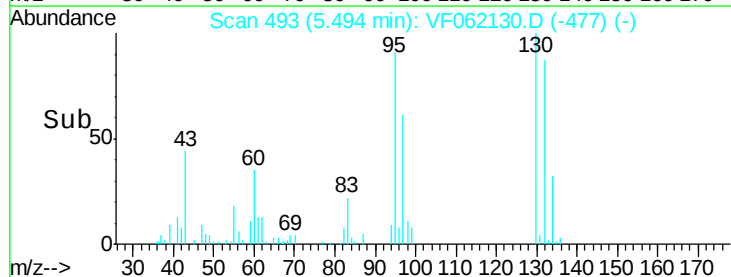
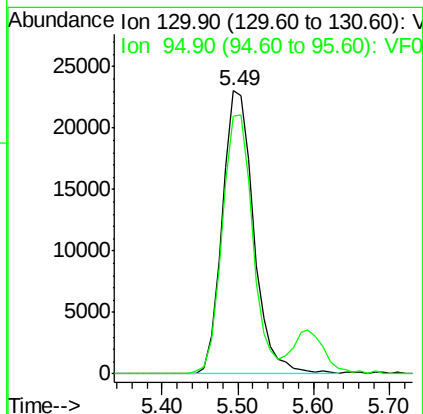
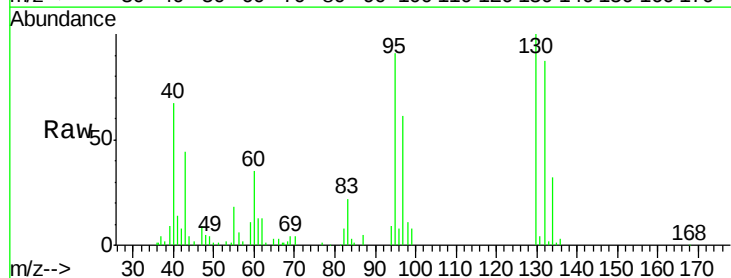
Tot Ion: 43 Resp: 41345
 Ion Ratio Lower Upper
 43 100
 61 30.8 27.0 40.4
 87 0.0 0.4 0.6#

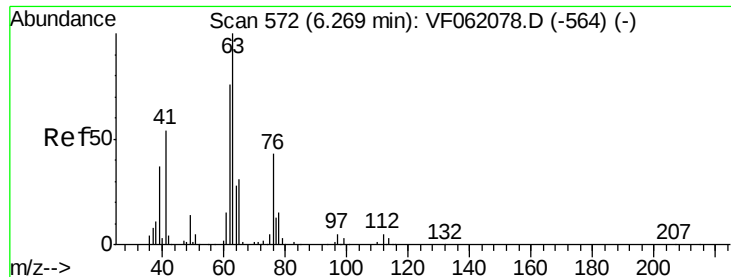


#44

Trichloroethene
 Concen: 21.834 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.04 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion:130 Resp: 66349
 Ion Ratio Lower Upper
 130 100
 95 91.0 0.0 183.4





#45

1,2-Dichloropropane

Concen: 22.075 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

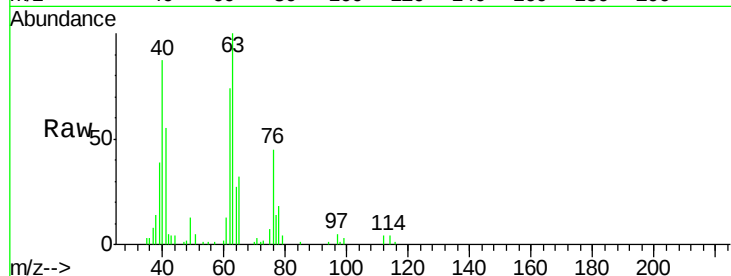
ClientSampled :

Tot Ion: 63 Resp: 52333

Ion Ratio Lower Upper

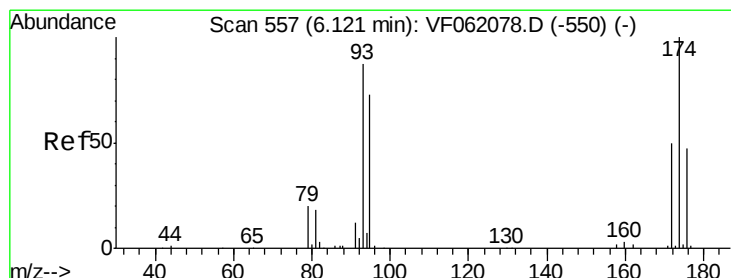
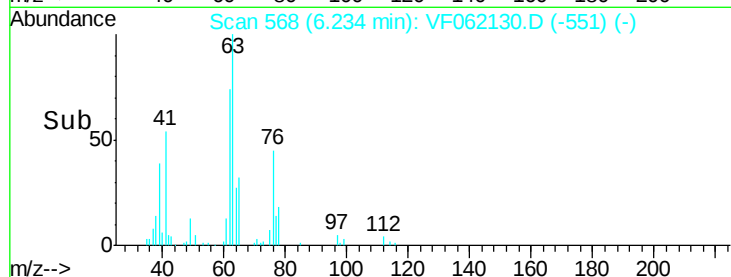
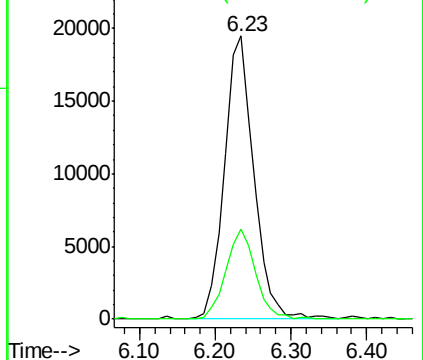
63 100

65 31.6 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.874 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

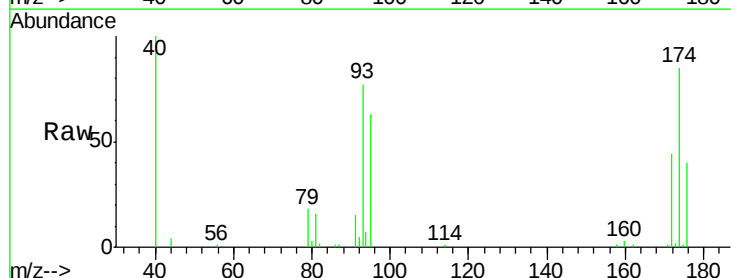
Tgt Ion: 93 Resp: 31707

Ion Ratio Lower Upper

93 100

95 81.0 67.4 101.2

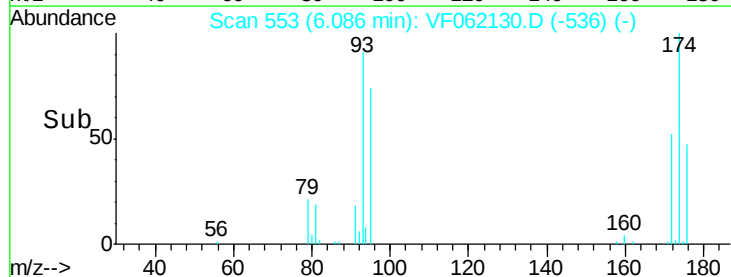
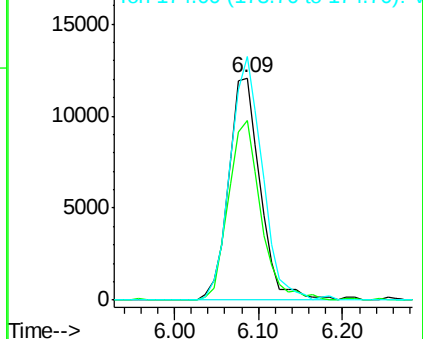
174 109.6 92.0 138.0

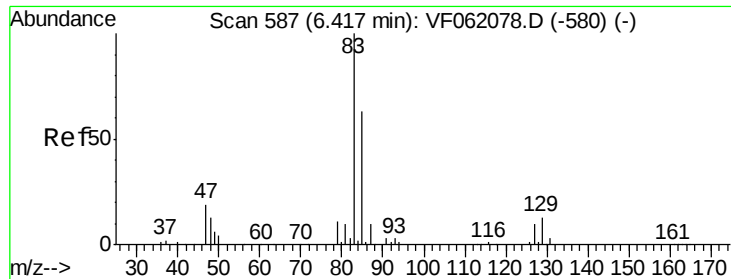


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.018 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

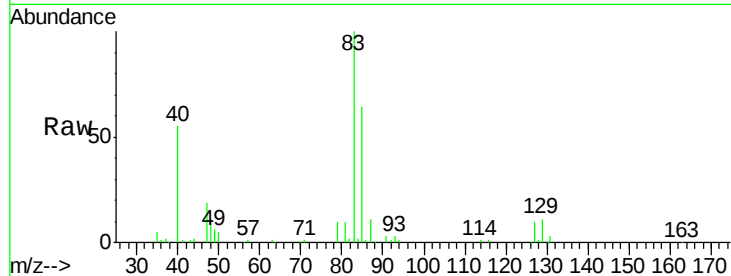
Tot Ion: 83 Resp: 70691

Ion Ratio Lower Upper

83 100

85 64.3 50.7 76.1

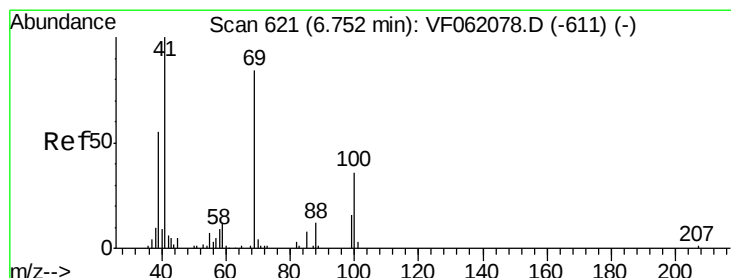
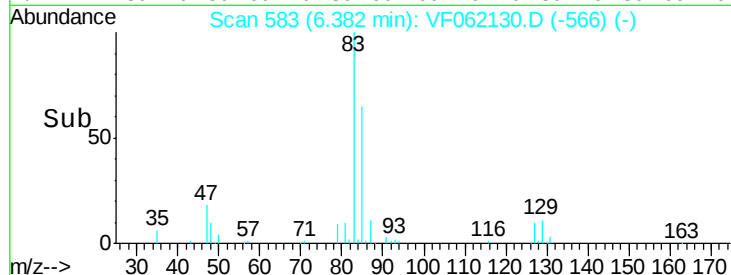
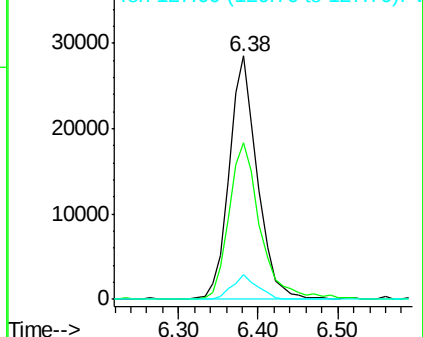
127 10.3 7.8 11.6



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: 22.620 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.04 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

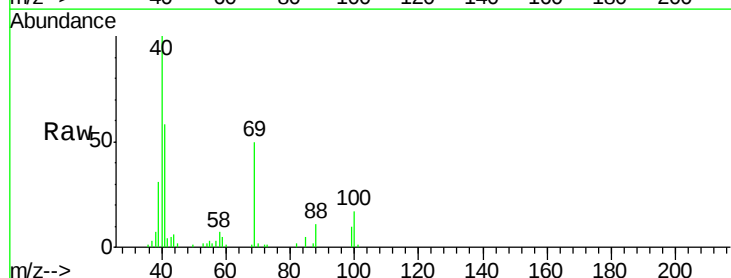
Tgt Ion: 41 Resp: 25273

Ion Ratio Lower Upper

41 100

69 86.5 66.6 100.0

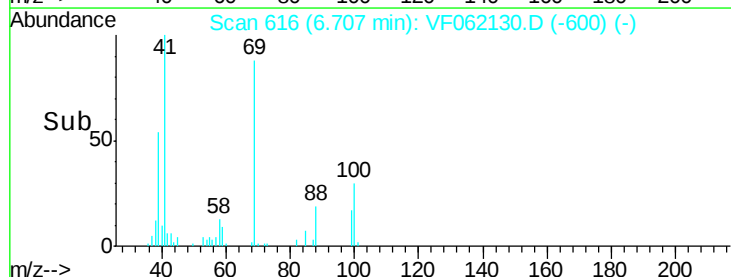
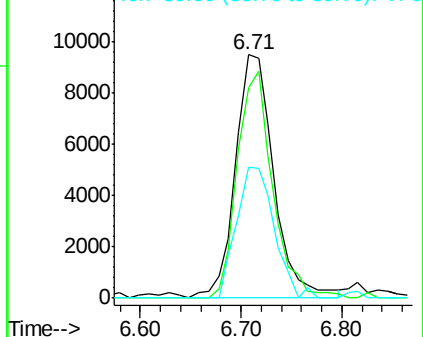
39 53.7 43.6 65.4

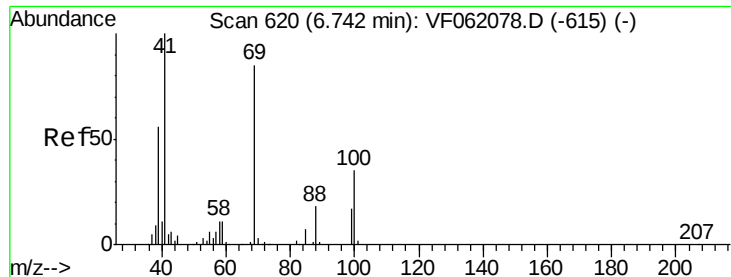


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 504.289 ug/l

RT: 6.71 min Scan# 616

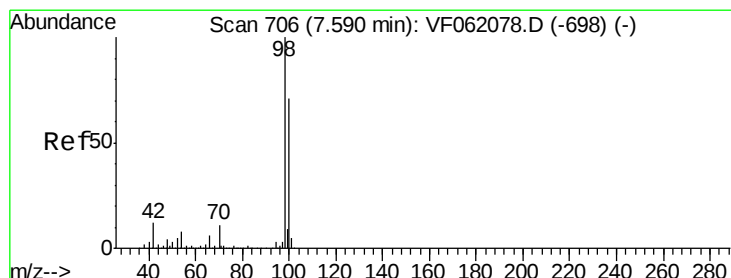
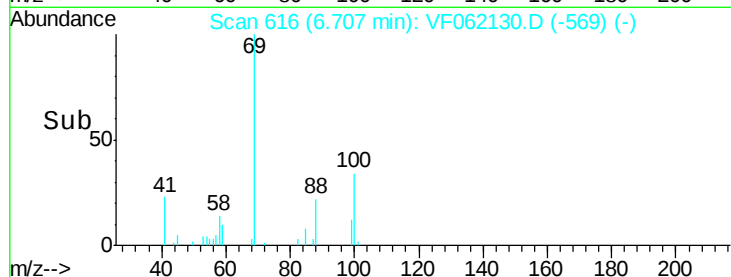
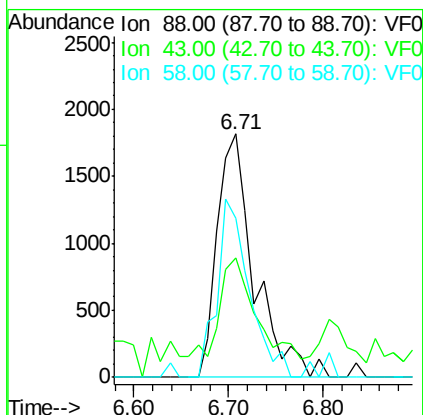
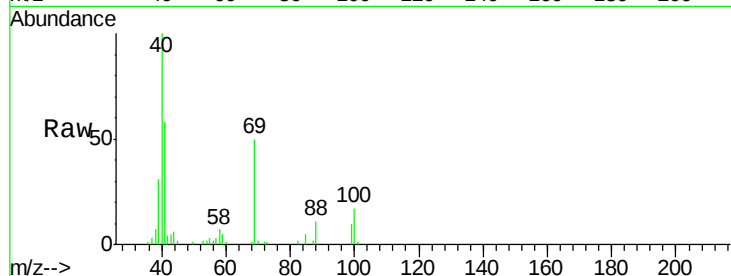
Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	88	Resp:	4944
Ion	Ratio	Lower	Upper
88	100		
43	49.1	35.0	52.4
58	65.4	49.9	74.9



#50

Toluene-d8

Concen: 52.690 ug/l

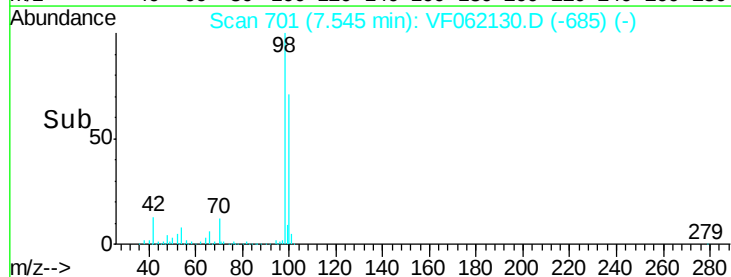
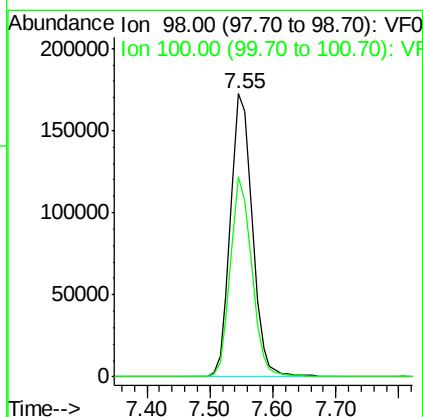
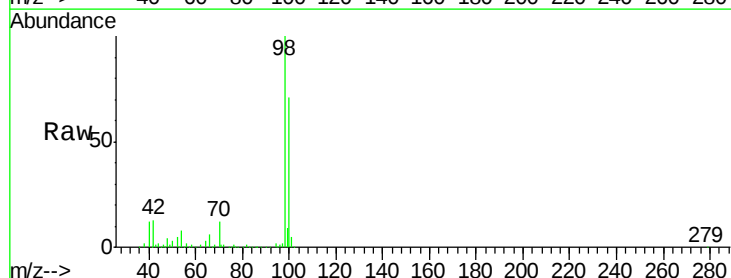
RT: 7.55 min Scan# 701

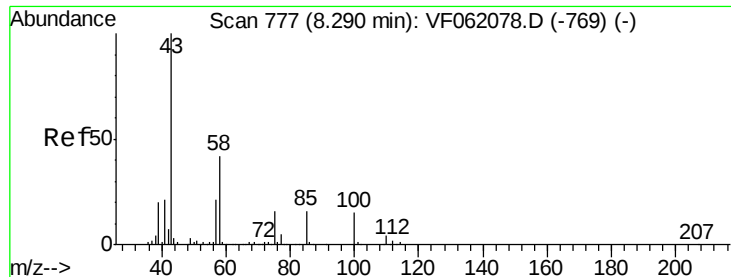
Delta R.T. -0.04 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Tgt Ion:	98	Resp:	414143
Ion	Ratio	Lower	Upper
98	100		
100	70.6	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 120.265 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

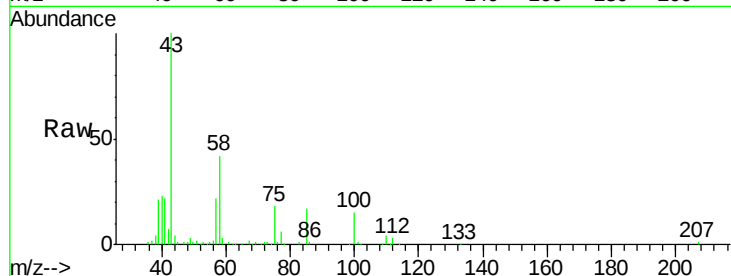
ClientSampleId :

Tot Ion: 43 Resp: 157958

Ion Ratio Lower Upper

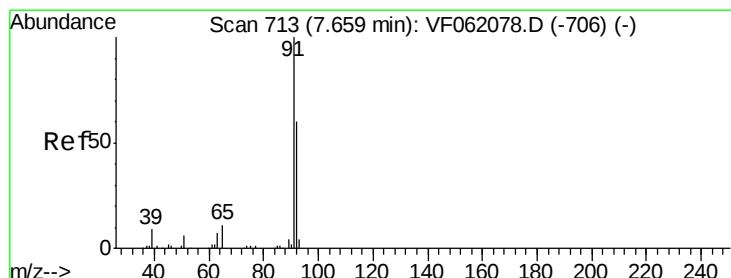
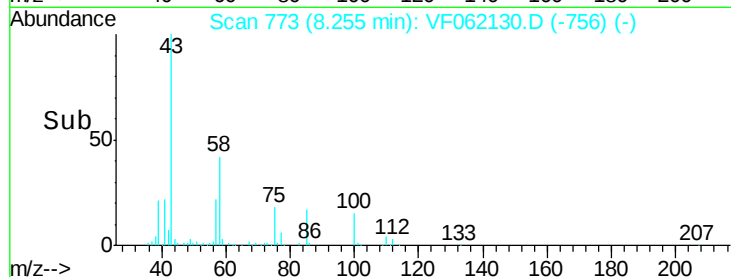
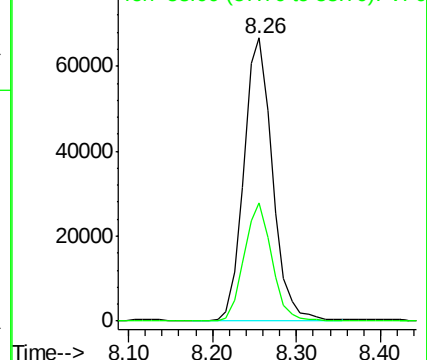
43 100

58 41.9 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.955 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.03 min

Lab File: VF062130.D

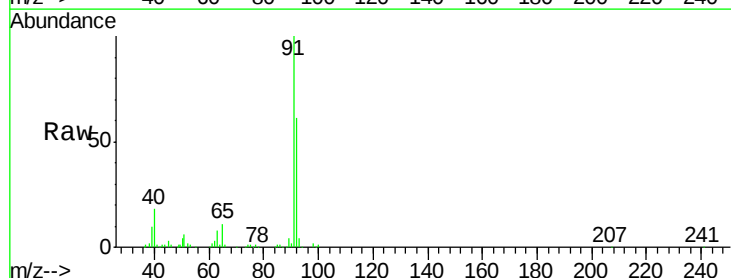
Acq: 25 Mar 2019 14:31

Tgt Ion: 92 Resp: 126393

Ion Ratio Lower Upper

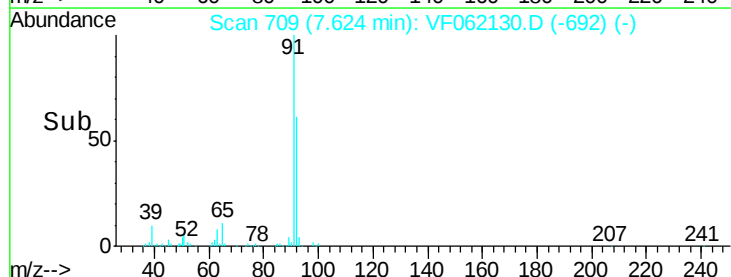
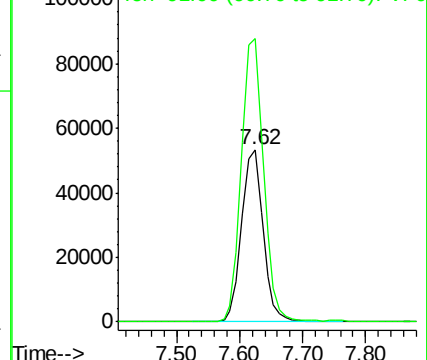
92 100

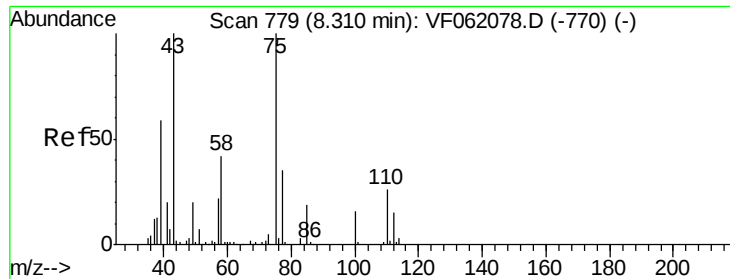
91 164.4 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

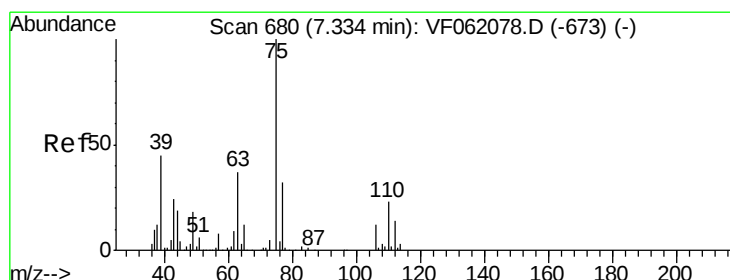
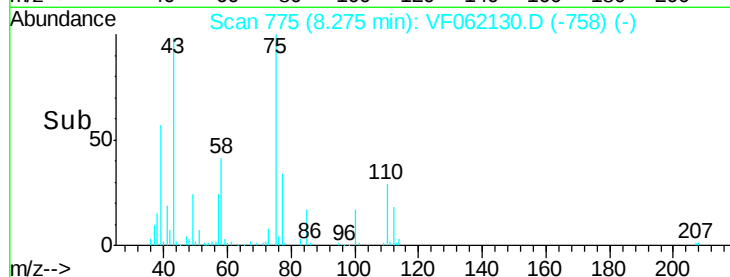
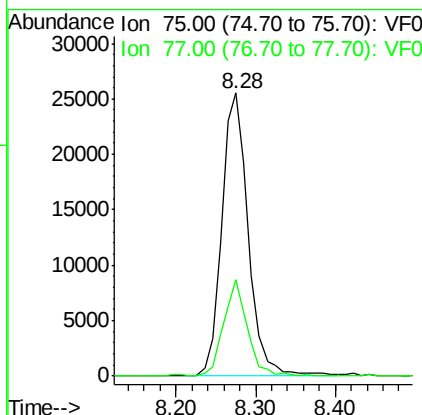
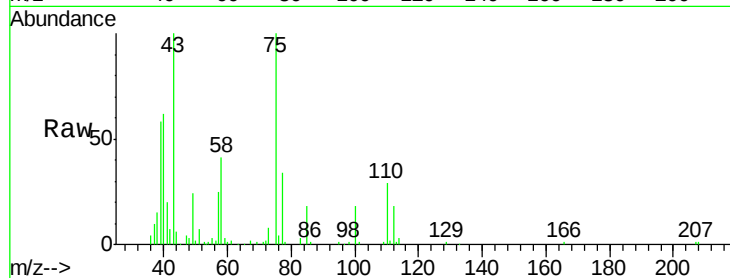




#53
t-1,3-Dichloropropene
Concen: 23.757 ug/l
RT: 8.28 min Scan# 775
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

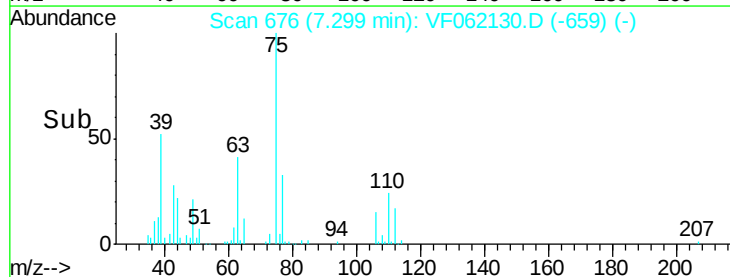
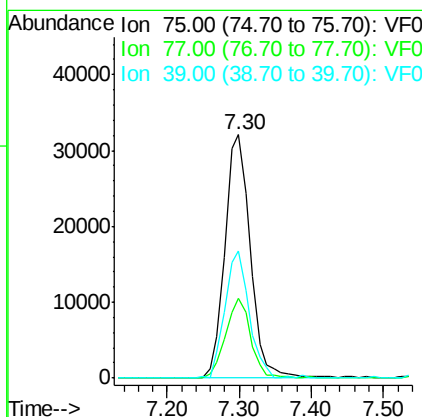
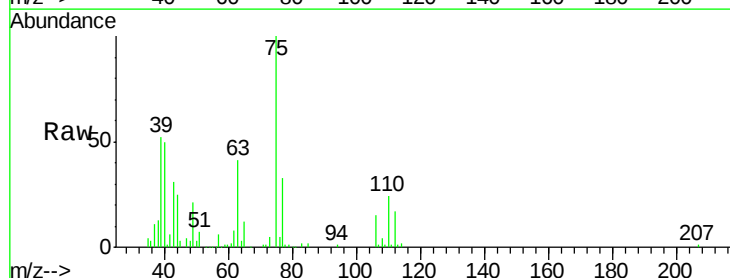
Instrument :
MSVOA_F
ClientSampleId :

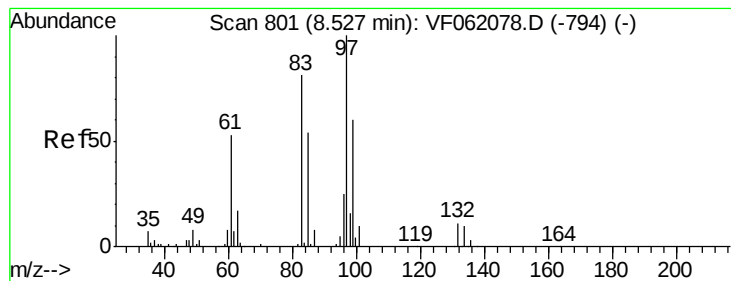
Tot Ion: 75 Resp: 59877
Ion Ratio Lower Upper
75 100
77 34.0 28.0 42.0



#54
cis-1,3-Dichloropropene
Concen: 21.773 ug/l
RT: 7.30 min Scan# 676
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion: 75 Resp: 78521
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.6
39 52.3 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 21.922 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.04 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 35848

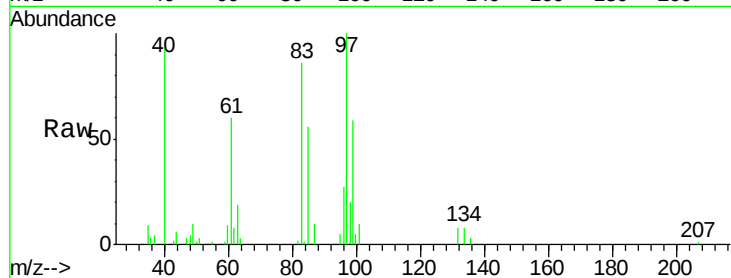
Ion	Ratio	Lower	Upper
97	100		
83	85.6	64.6	97.0
85	55.8	43.6	65.4
99	58.6	48.2	72.2

97 100

83 85.6 64.6 97.0

85 55.8 43.6 65.4

99 58.6 48.2 72.2



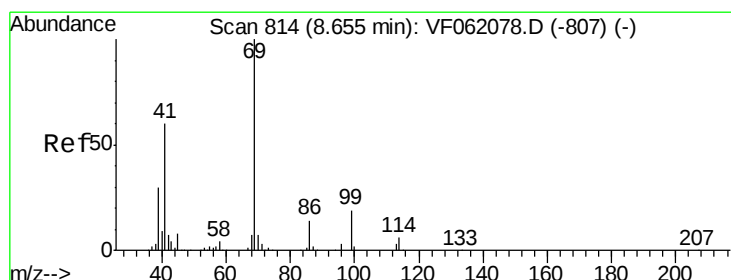
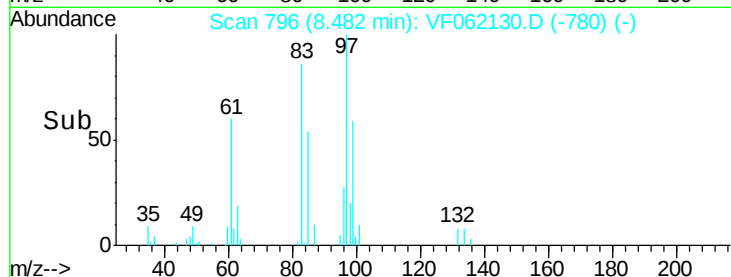
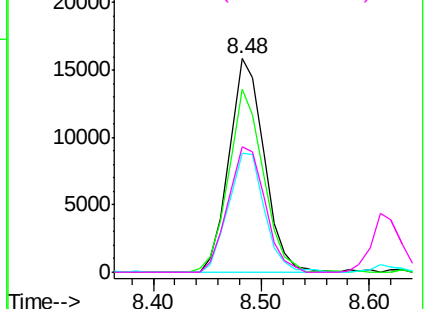
Abundance

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: 22.279 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

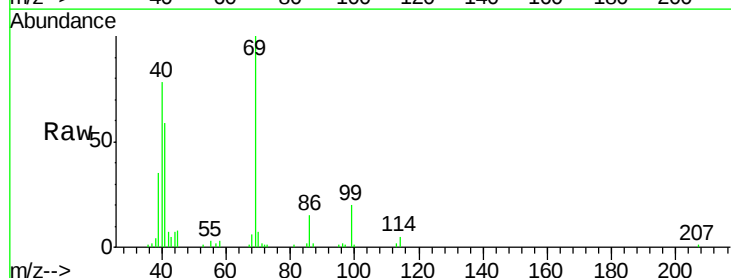
Tgt Ion: 69 Resp: 43450

Ion	Ratio	Lower	Upper
69	100		
41	59.2	48.2	72.2
39	34.6	24.0	36.0

69 100

41 59.2 48.2 72.2

39 34.6 24.0 36.0

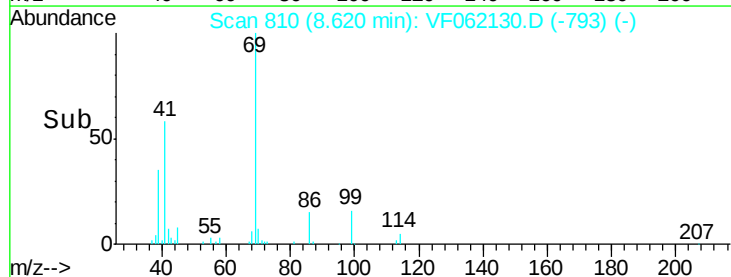
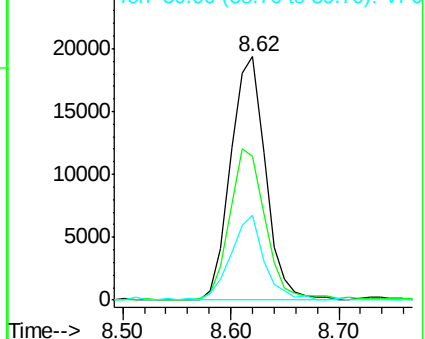


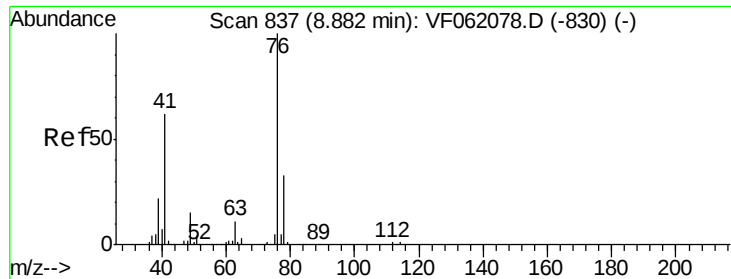
Abundance

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

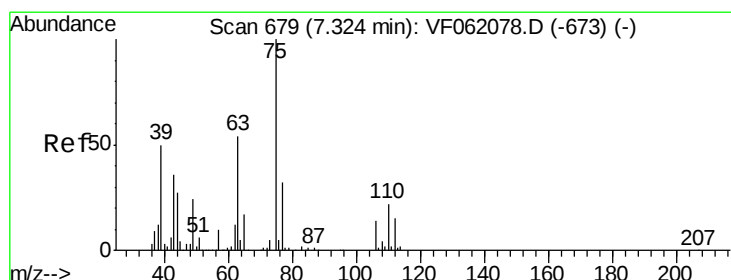
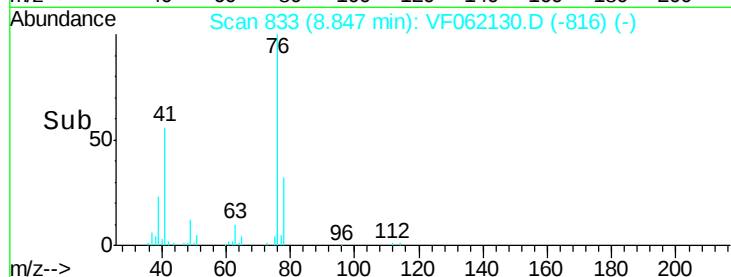
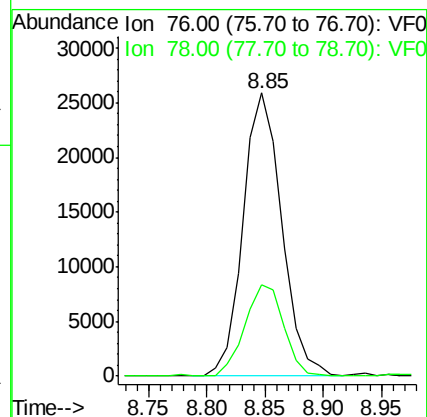
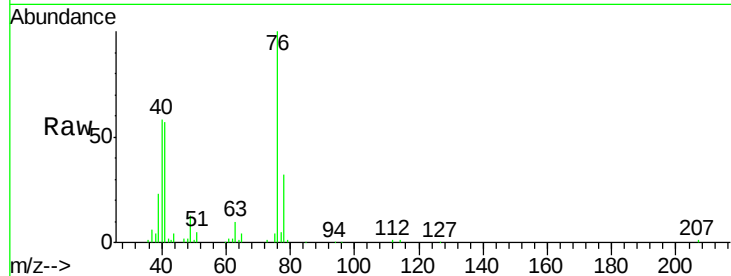




#57
 1,3-Dichloropropane
 Concen: 21.968 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

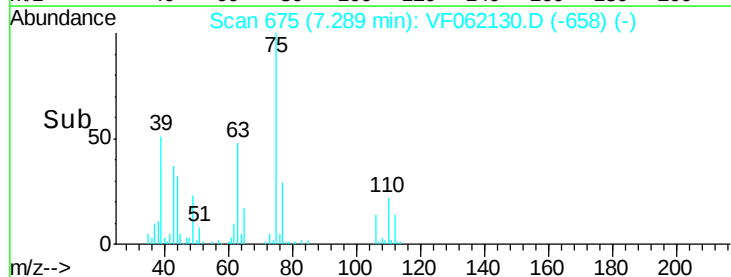
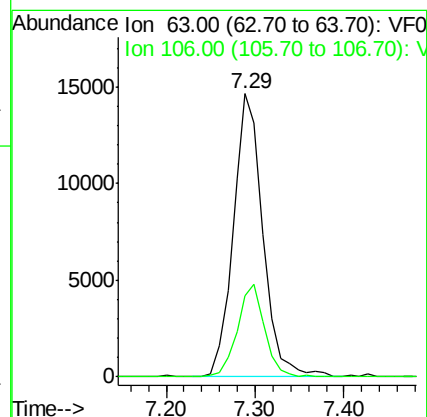
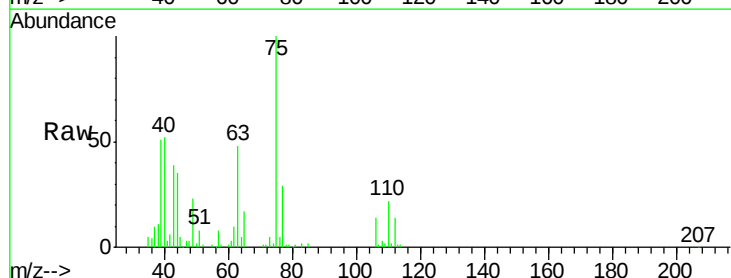
Instrument :
 MSVOA_F
 ClientSampleId :

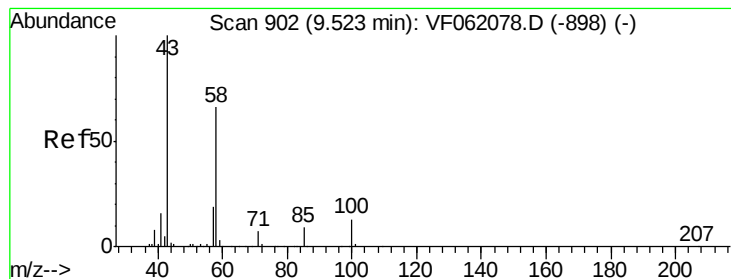
Tot Ion: 76 Resp: 59621
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.938 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion: 63 Resp: 34014
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.5 32.3





#59

2-Hexanone

Concen: 112.891 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

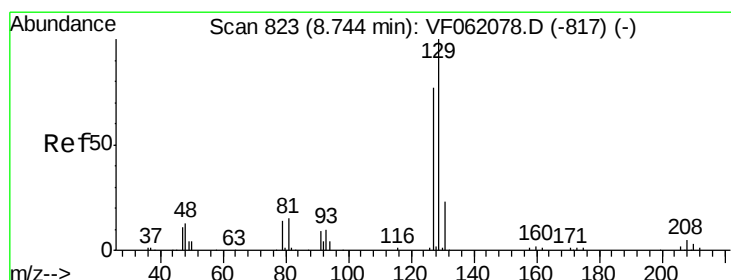
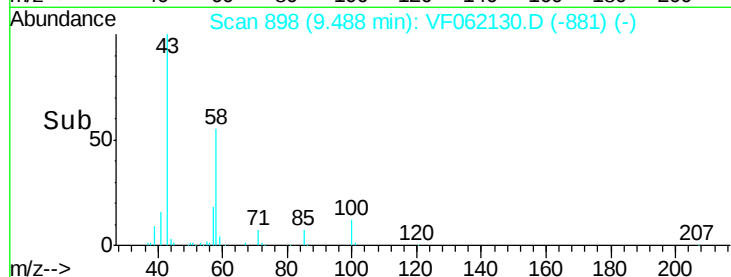
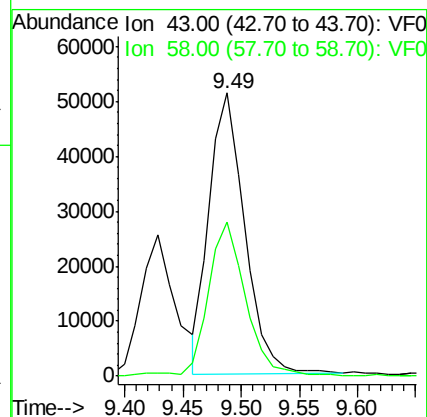
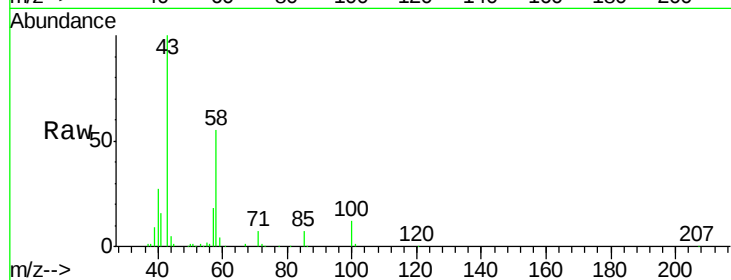
ClientSampled :

Tot Ion: 43 Resp: 108670

Ion Ratio Lower Upper

43 100

58 54.5 28.8 86.4



#60

Dibromochloromethane

Concen: 23.359 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.03 min

Lab File: VF062130.D

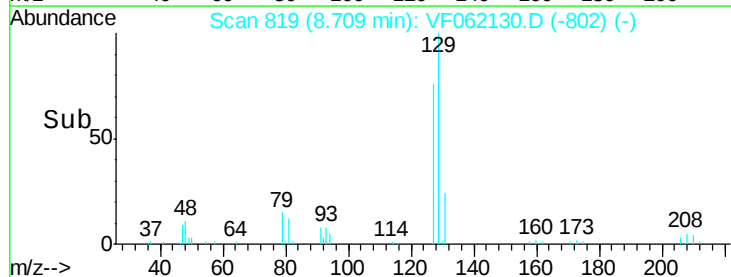
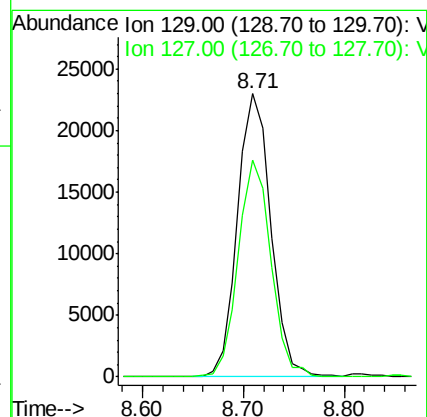
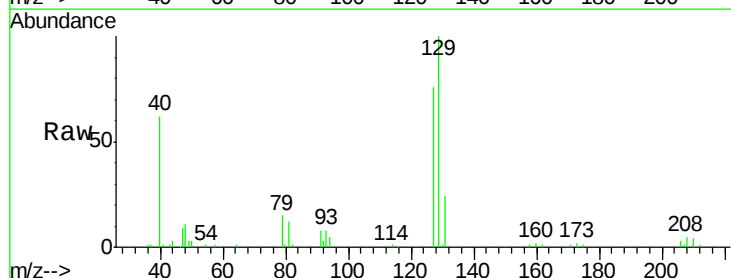
Acq: 25 Mar 2019 14:31

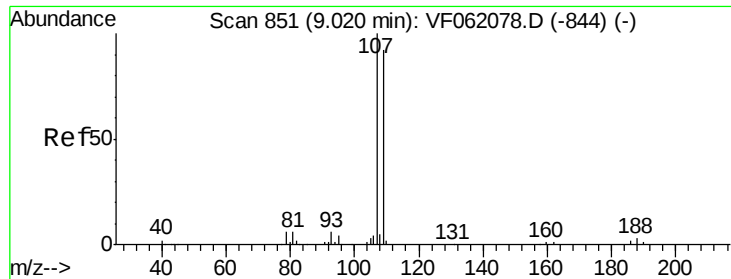
Tgt Ion:129 Resp: 53103

Ion Ratio Lower Upper

129 100

127 76.5 38.7 116.1





#61

1,2-Dibromoethane

Concen: 22.455 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

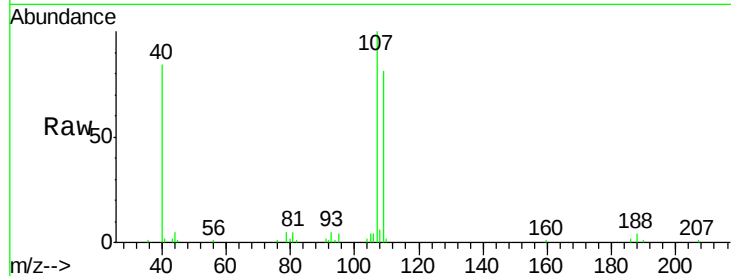
ClientSampleId :

Tot Ion:107 Resp: 39175

Ion Ratio Lower Upper

107 100

109 81.5 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.99

15000

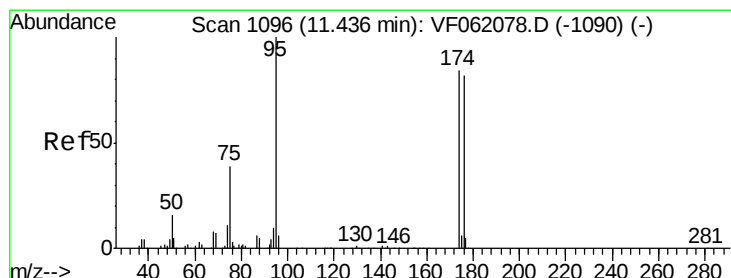
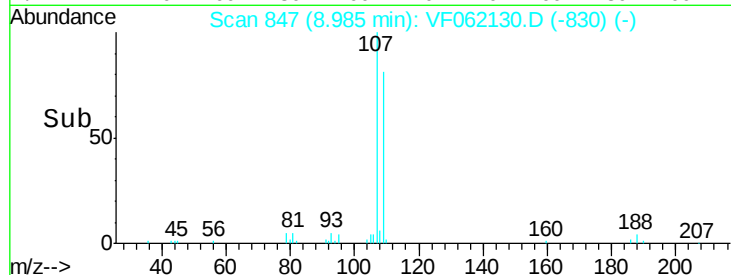
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 51.890 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

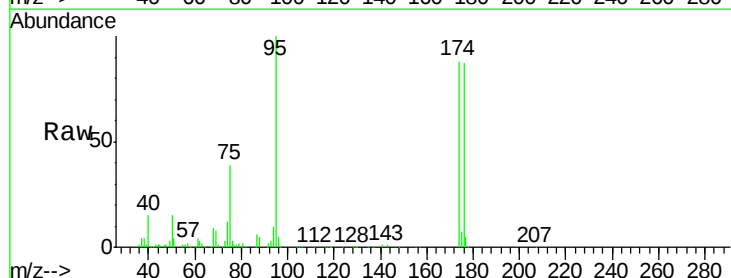
Tgt Ion: 95 Resp: 157457

Ion Ratio Lower Upper

95 100

174 88.4 0.0 168.2

176 86.5 0.0 164.2



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

120000

100000

80000

60000

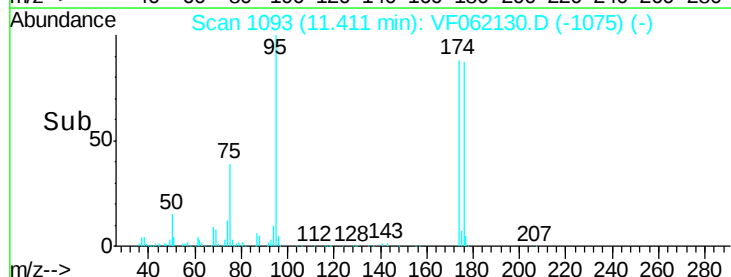
40000

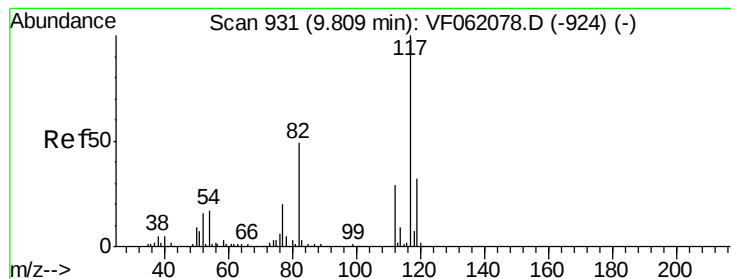
20000

0

Time-->

11.30 11.40 11.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

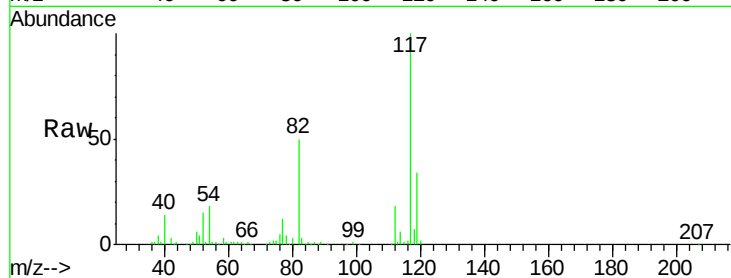
Delta R.T. -0.03 min

Lab File: VF062130.D

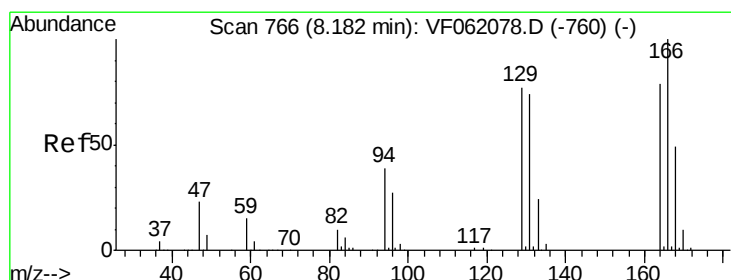
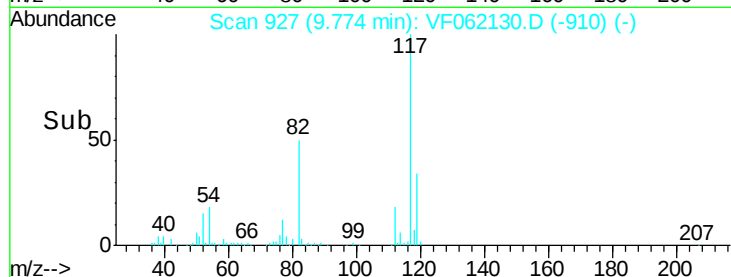
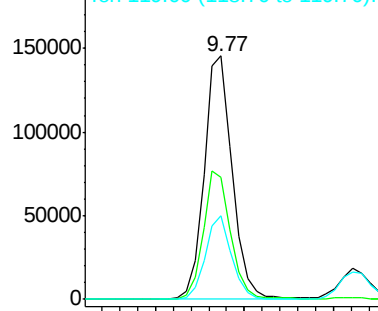
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117	Resp:	320180
Ion Ratio	Lower	Upper
117 100		
82 50.0	39.2	58.8
119 34.4	25.4	38.2



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



#64

Tetrachloroethene

Concen: 22.242 ug/l

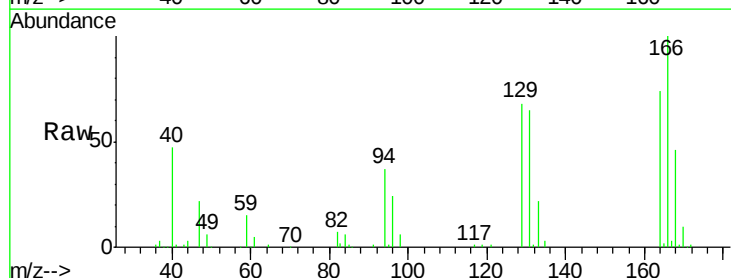
RT: 8.15 min Scan# 762

Delta R.T. -0.03 min

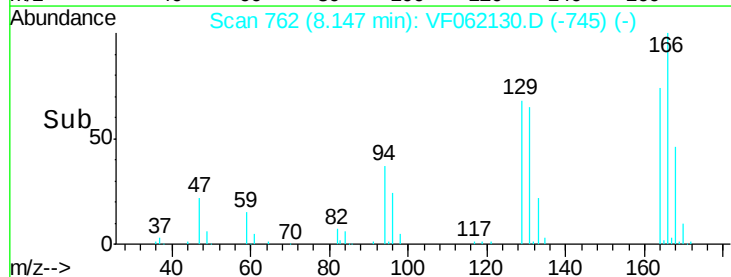
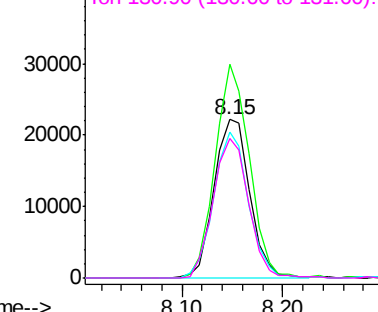
Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Tgt Ion:164	Resp:	55018
Ion Ratio	Lower	Upper
164 100		
166 134.6	100.9	151.3
129 92.0	77.9	116.9
131 87.9	74.6	112.0



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

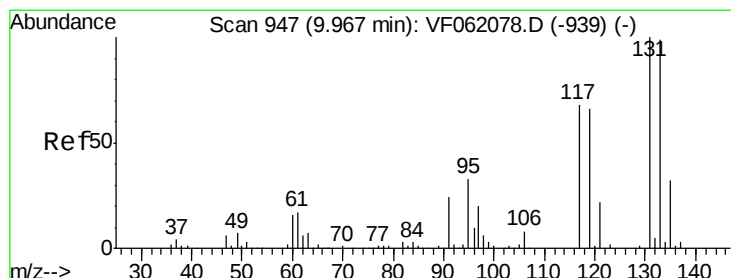
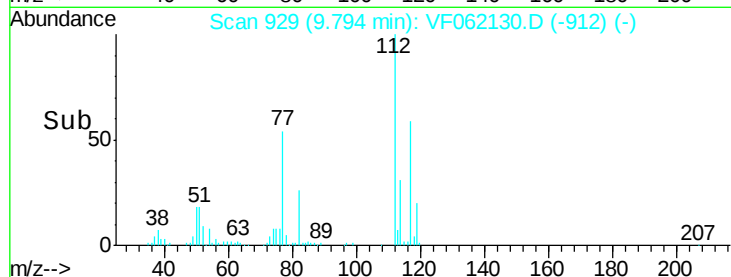
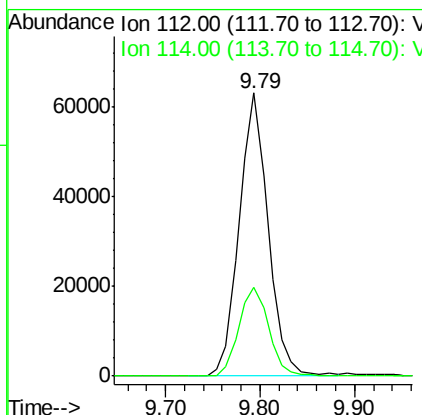
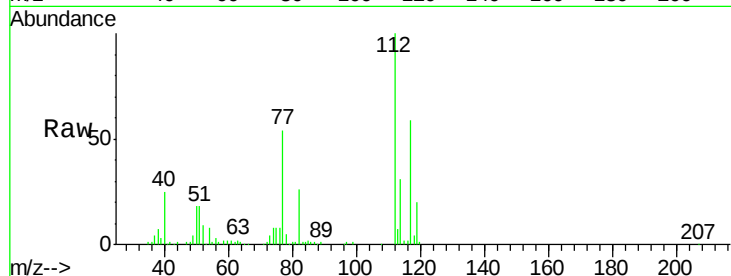




#65
Chlorobenzene
Concen: 22.352 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

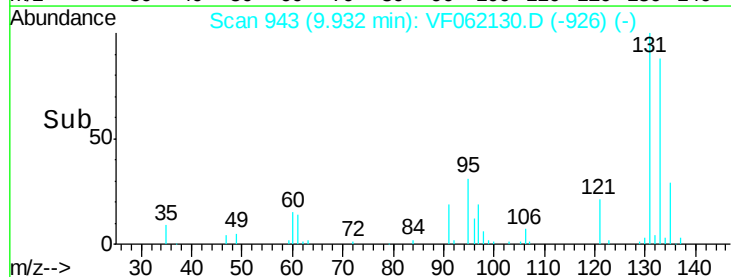
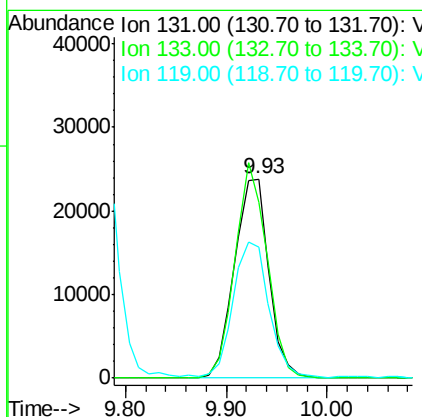
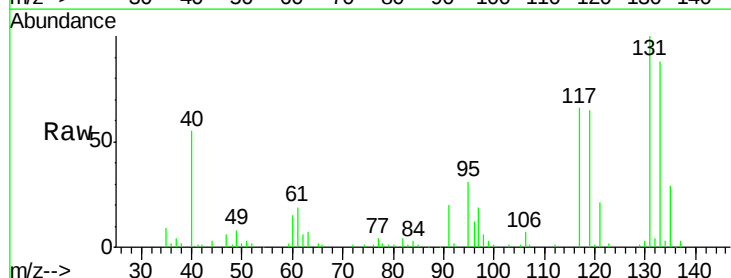
Instrument :
MSVOA_F
ClientSampleId :

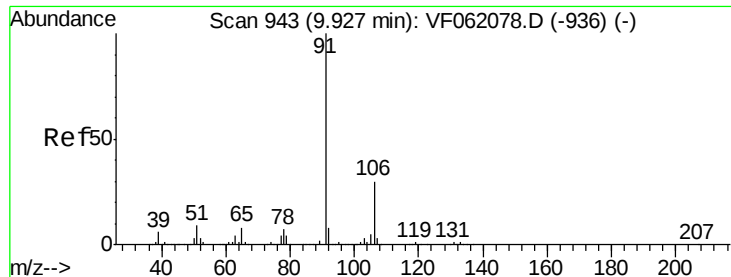
Tot Ion:112 Resp: 133908
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.597 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion:131 Resp: 56785
Ion Ratio Lower Upper
131 100
133 88.0 49.3 147.8
119 65.4 33.5 100.4





#67

Ethyl Benzene

Concen: 23.393 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

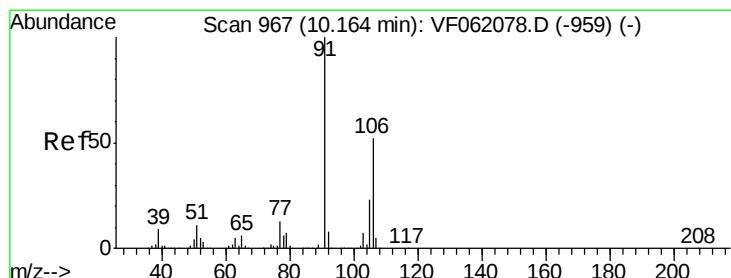
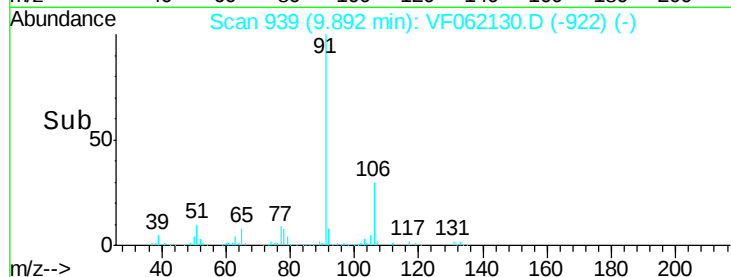
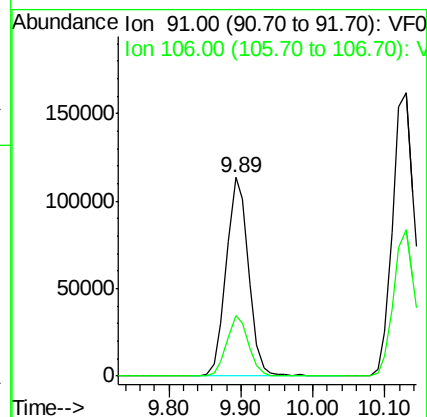
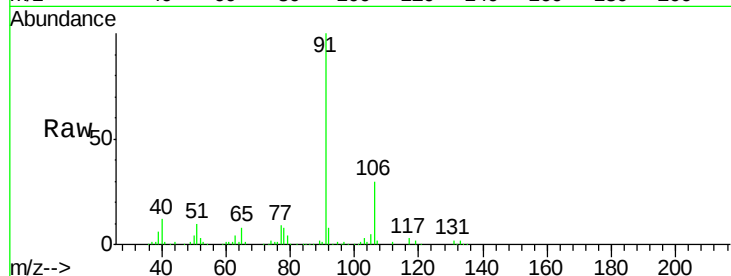
ClientSampled :

Tot Ion: 91 Resp: 243725

Ion Ratio Lower Upper

91 100

106 30.4 24.0 36.0



#68

m/p-Xylenes

Concen: 45.557 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.03 min

Lab File: VF062130.D

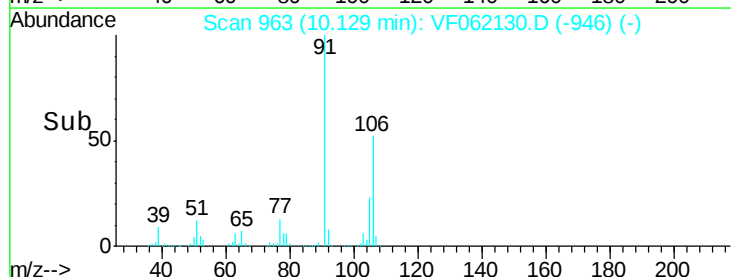
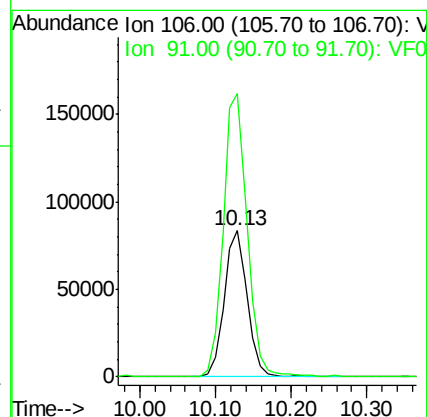
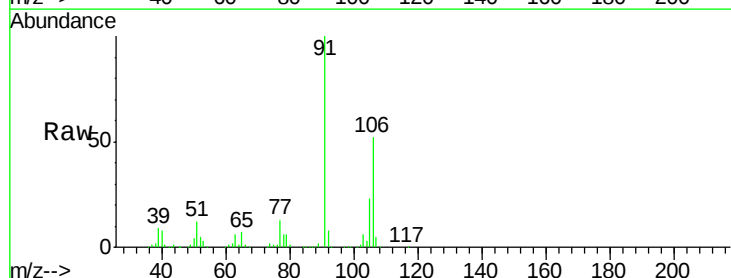
Acq: 25 Mar 2019 14:31

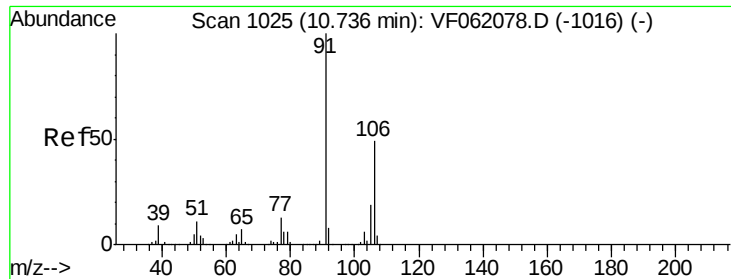
Tgt Ion: 106 Resp: 177401

Ion Ratio Lower Upper

106 100

91 193.9 154.4 231.6

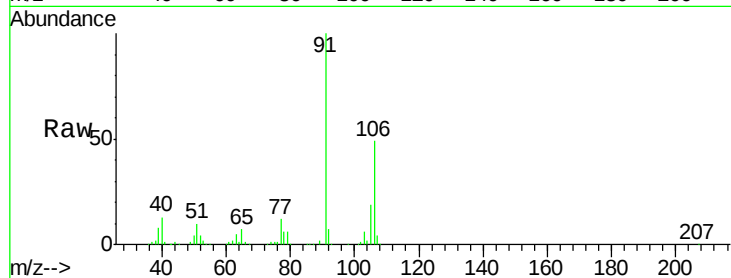




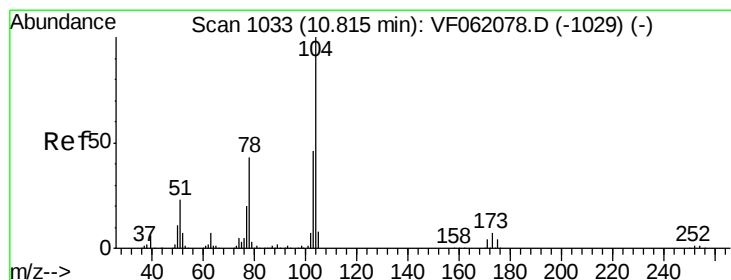
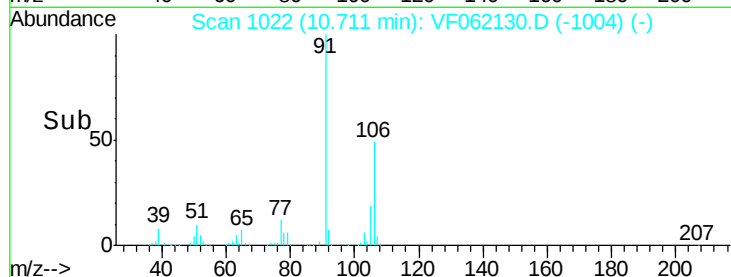
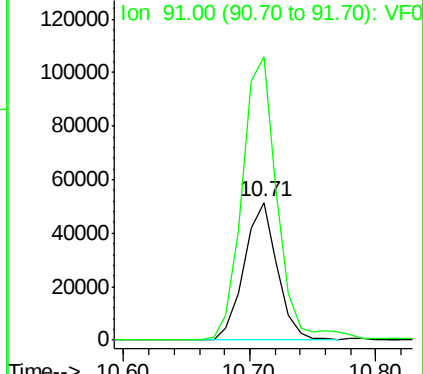
#69
o-Xylene
Concen: 22.964 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 93655
Ion Ratio Lower Upper
106 100
91 205.1 102.6 307.8

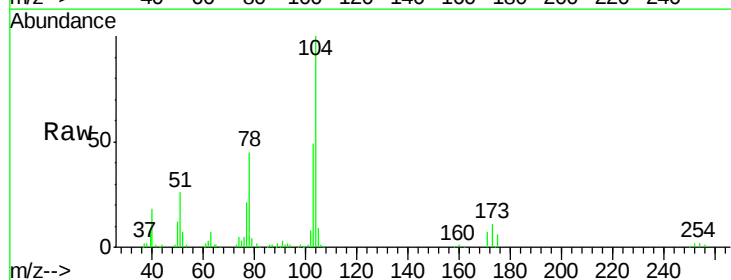


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

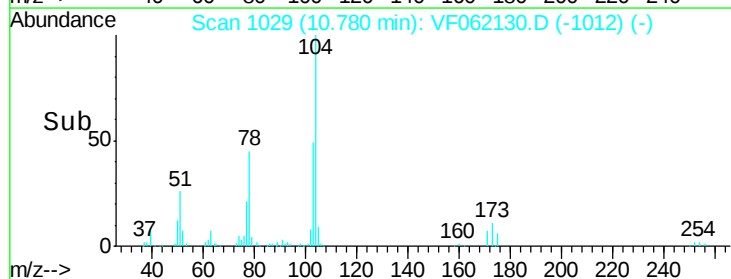
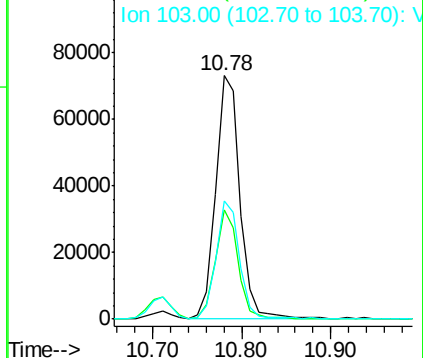


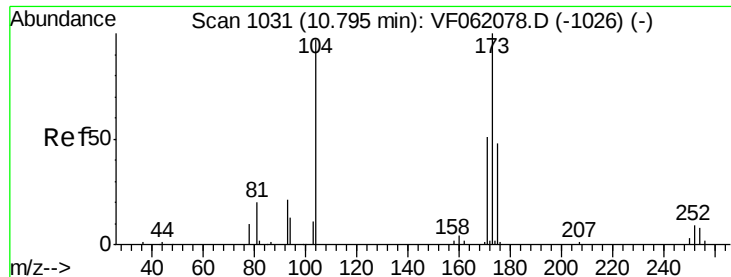
#70
Styrene
Concen: 22.546 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion:104 Resp: 139317
Ion Ratio Lower Upper
104 100
78 44.8 34.3 51.5
103 48.5 36.9 55.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V

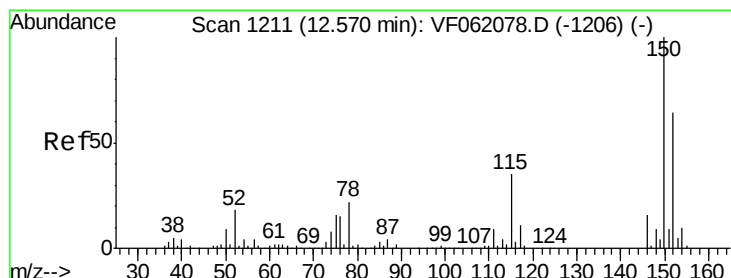
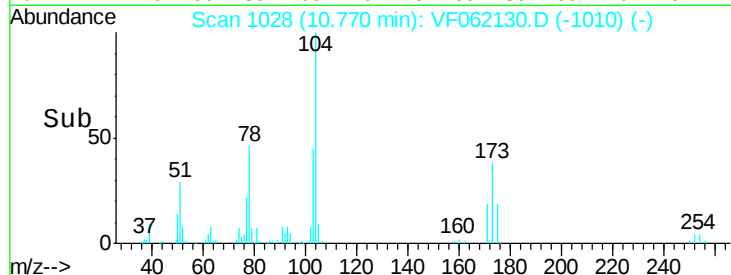
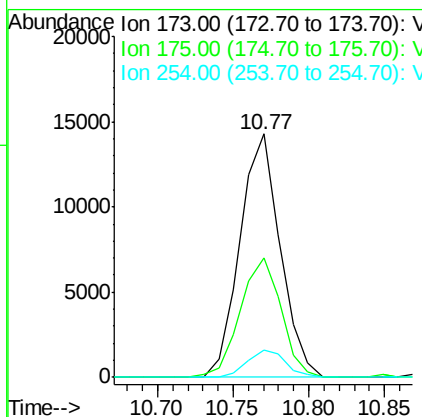
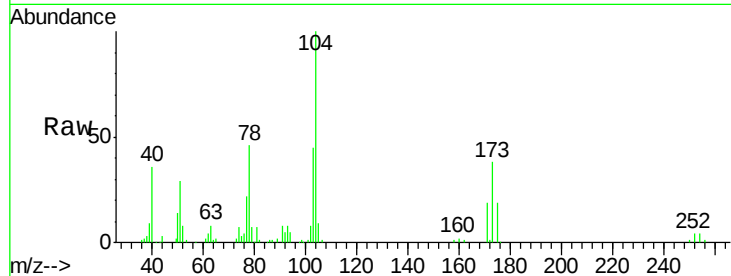




#71
Bromoform
Concen: 21.481 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

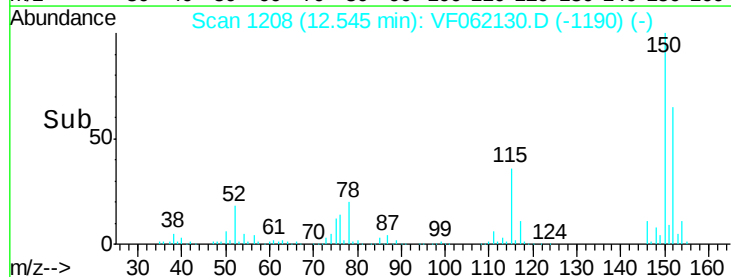
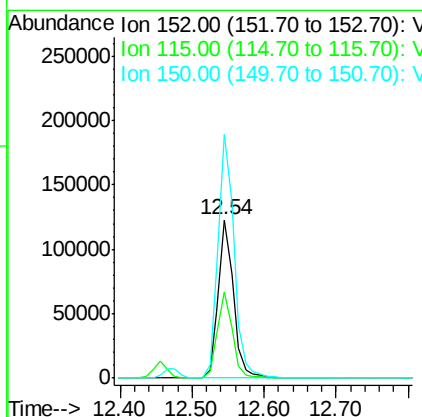
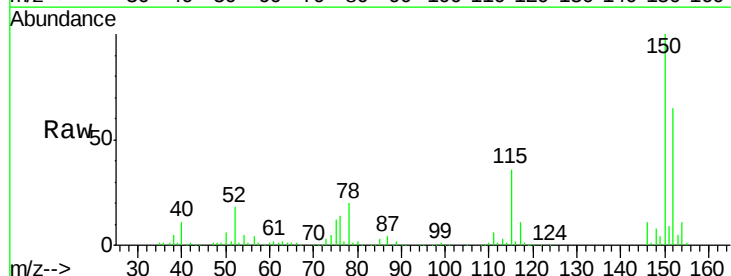
Instrument :
MSVOA_F
ClientSampleId :

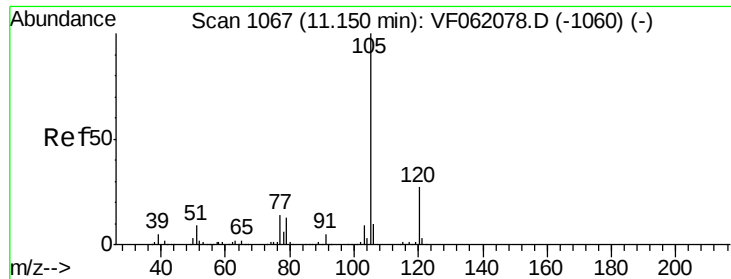
Tot Ion:173 Resp: 26440
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.4
254 11.1 6.2 9.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion:152 Resp: 178594
Ion Ratio Lower Upper
152 100
115 54.9 27.7 83.1
150 153.9 0.0 313.2





#73

Isopropylbenzene

Concen: 22.666 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

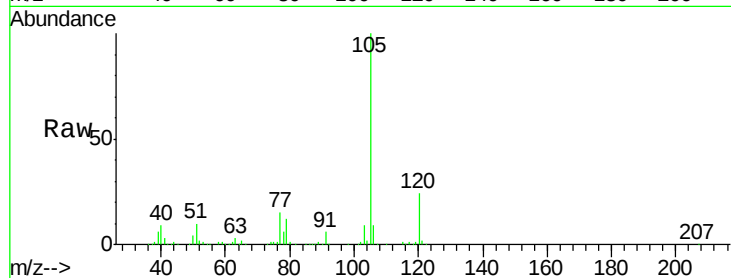
ClientSampleId :

Tot Ion:105 Resp: 284841

Ion Ratio Lower Upper

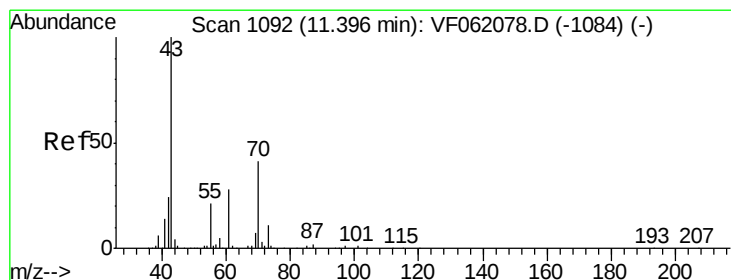
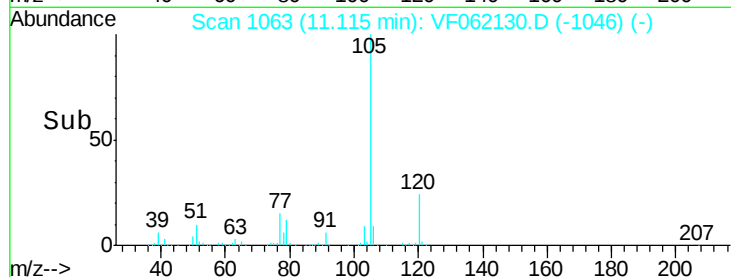
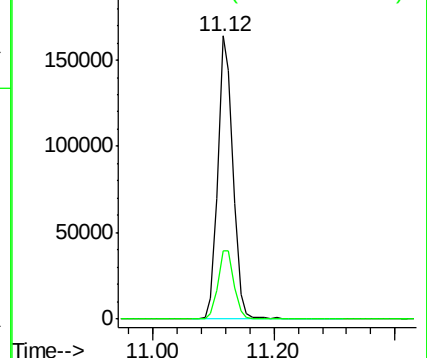
105 100

120 23.9 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.987 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Tgt Ion: 43 Resp: 68833

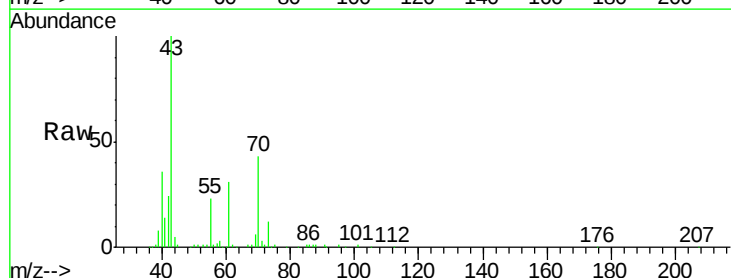
Ion Ratio Lower Upper

43 100

70 43.4 32.9 49.3

55 23.1 17.1 25.7

61 31.4 22.2 33.2

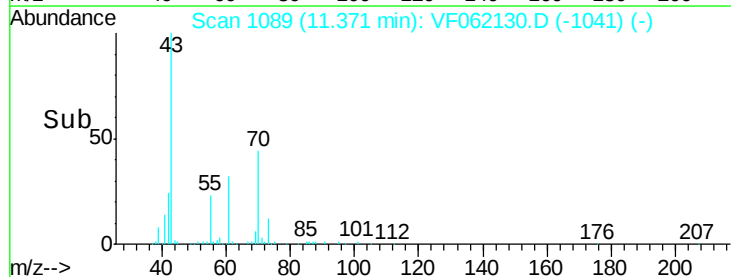
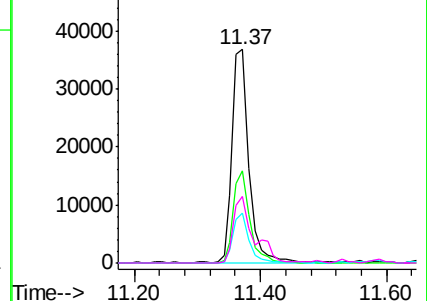


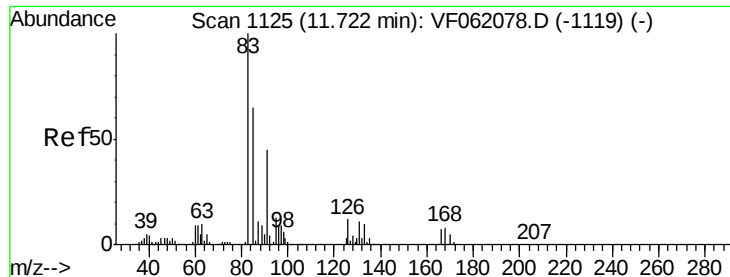
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.239 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

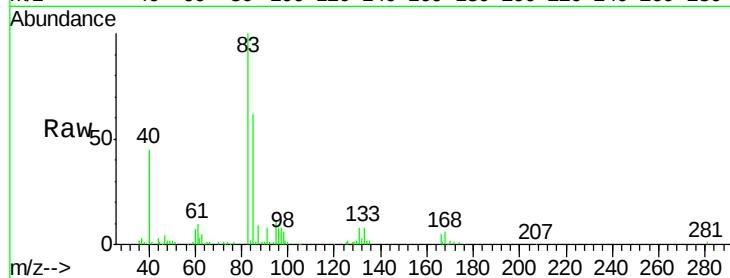
Tot Ion: 83 Resp: 50144

Ion Ratio Lower Upper

83 100

131 8.1 5.3 15.8

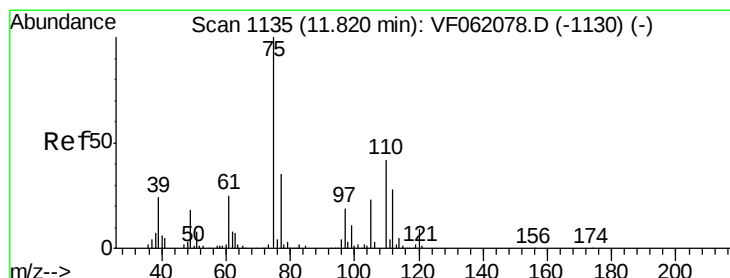
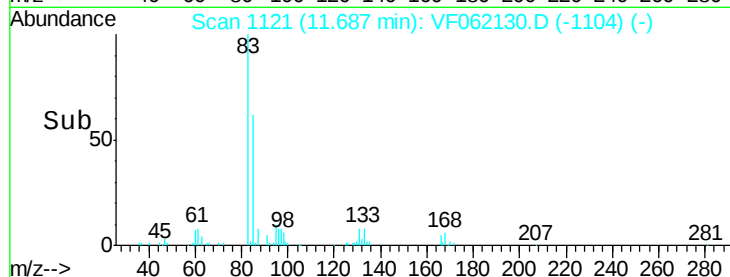
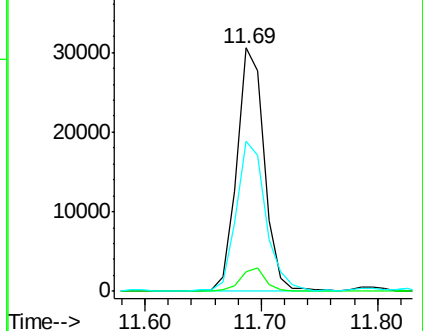
85 61.7 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.561 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.03 min

Lab File: VF062130.D

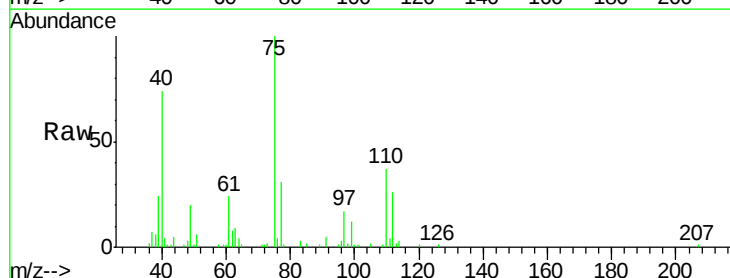
Acq: 25 Mar 2019 14:31

Tgt Ion: 75 Resp: 32742

Ion Ratio Lower Upper

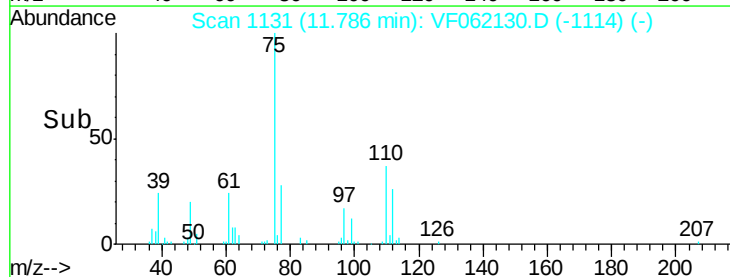
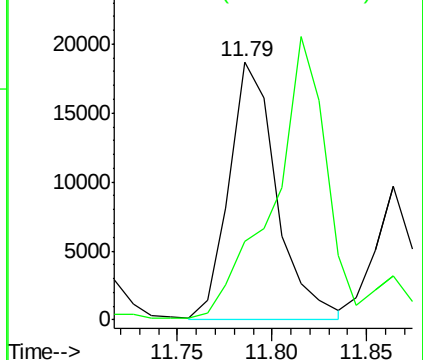
75 100

77 30.6 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.620 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.03 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

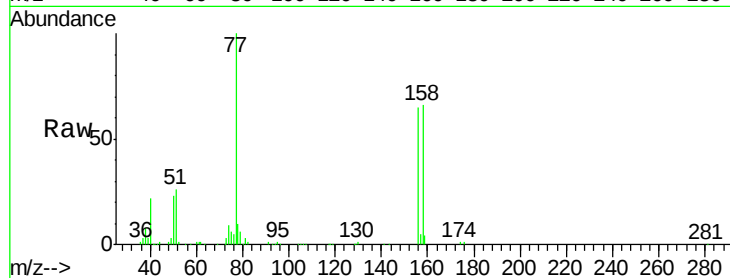
Tot Ion:156 Resp: 63309

Ion Ratio Lower Upper

156 100

77 153.8 61.3 183.9

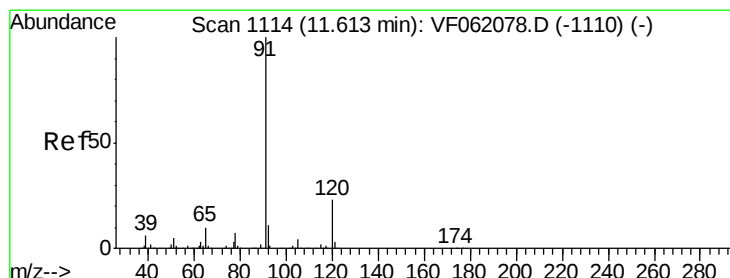
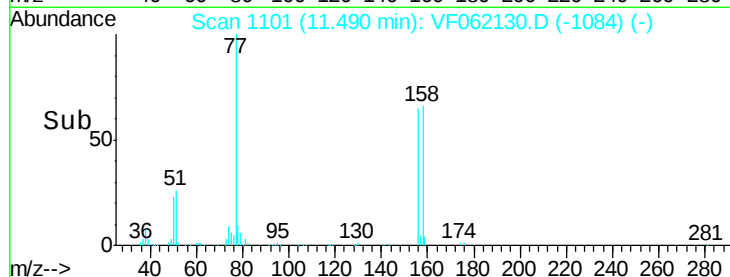
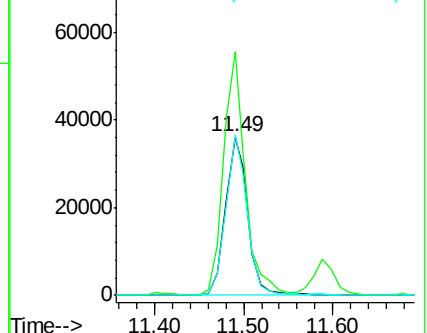
158 101.3 48.6 145.9



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: 22.421 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062130.D

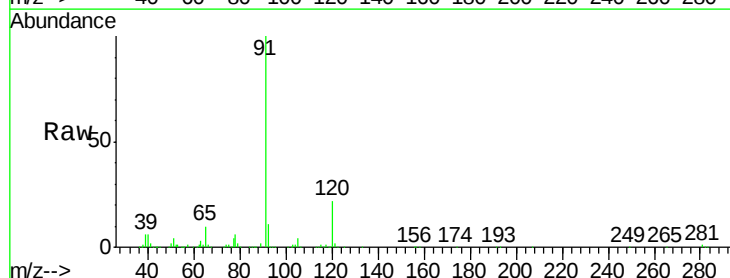
Acq: 25 Mar 2019 14:31

Tgt Ion: 91 Resp: 327178

Ion Ratio Lower Upper

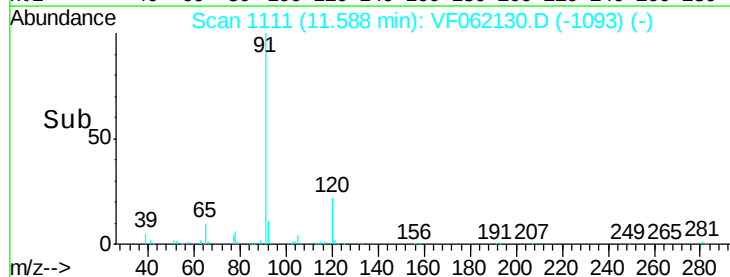
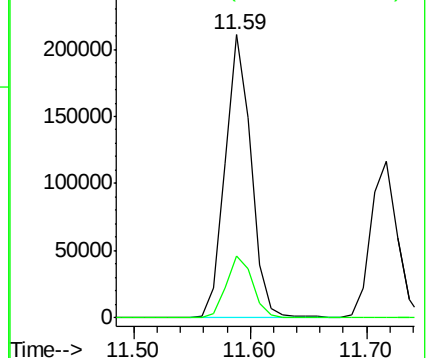
91 100

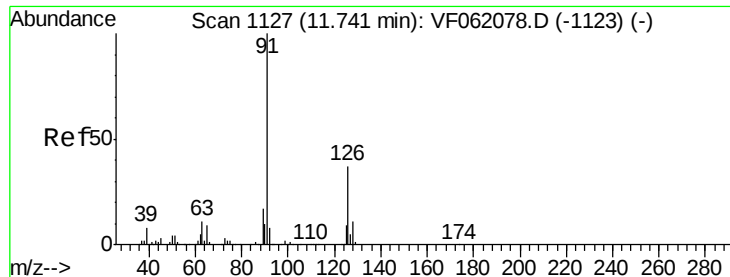
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.468 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

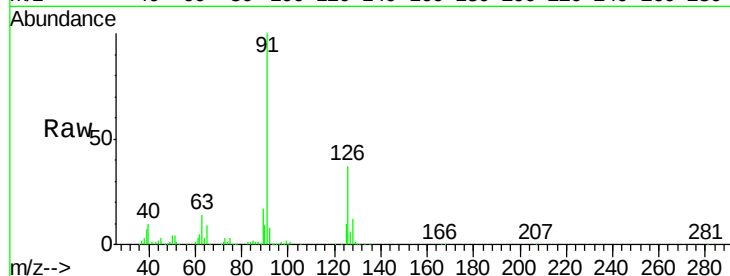
ClientSampleId :

Tot Ion: 91 Resp: 182234

Ion Ratio Lower Upper

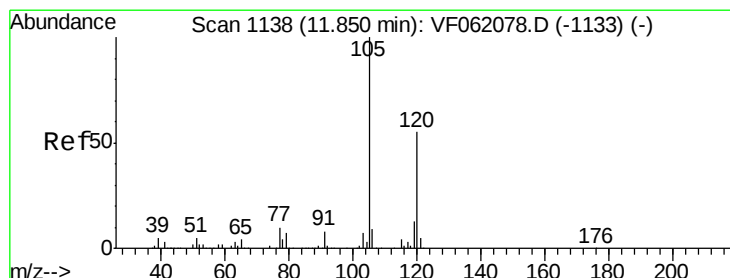
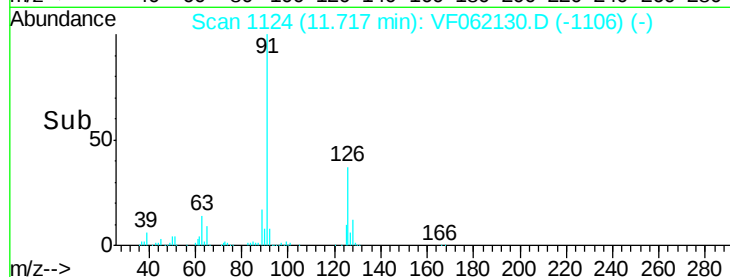
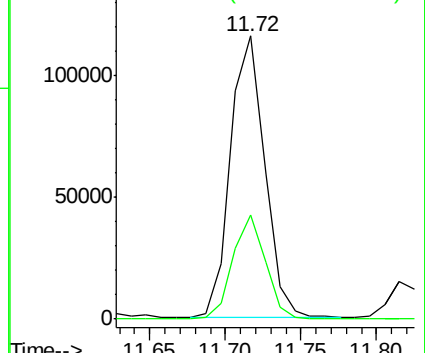
91 100

126 37.0 18.3 54.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 23.256 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.03 min

Lab File: VF062130.D

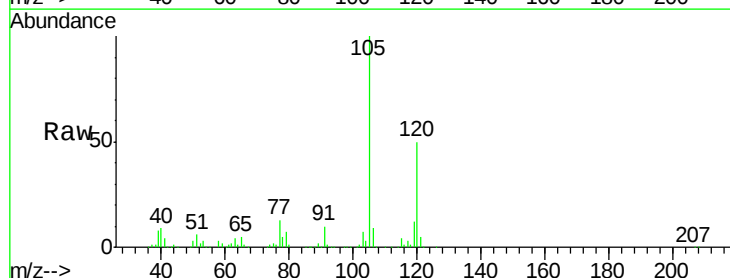
Acq: 25 Mar 2019 14:31

Tgt Ion:105 Resp: 240394

Ion Ratio Lower Upper

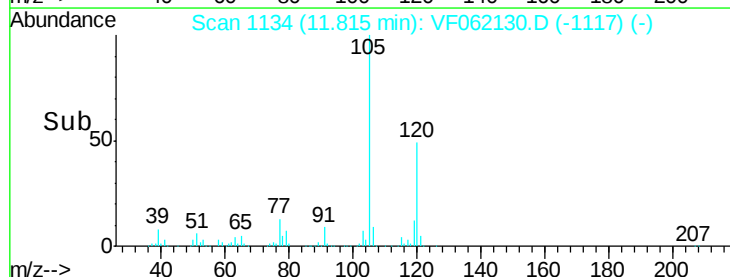
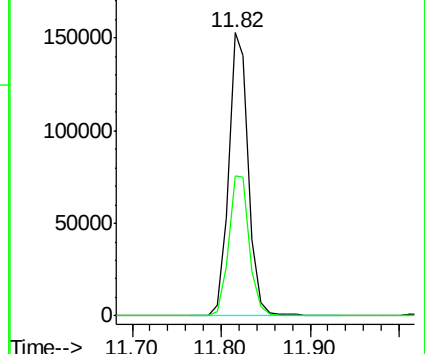
105 100

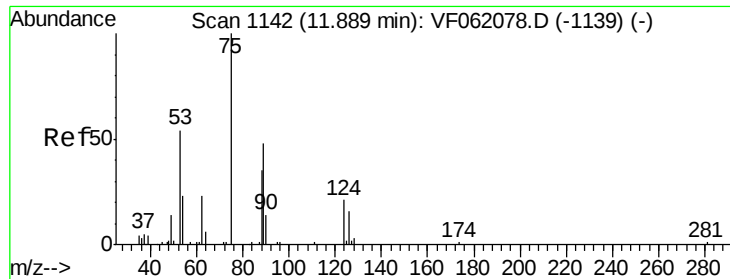
120 49.6 27.8 83.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 30.989 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

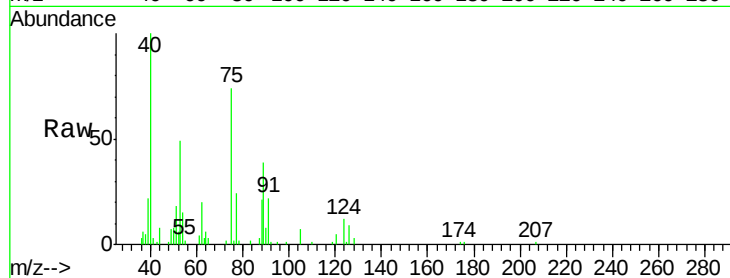
Tot Ion: 75 Resp: 19175

Ion Ratio Lower Upper

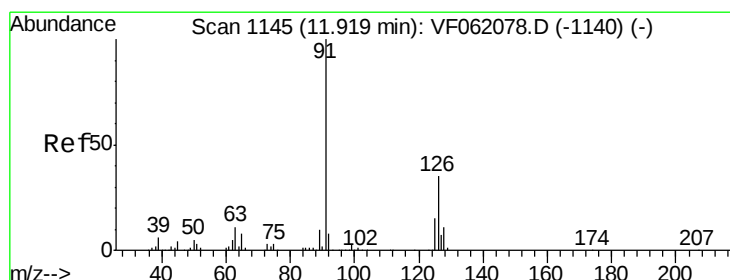
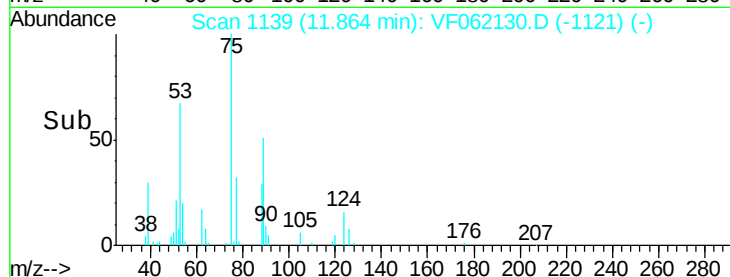
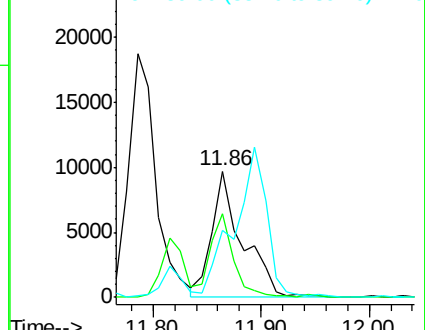
75 100

53 66.0 49.4 74.0

89 53.1 40.6 60.8



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



#82

4-Chlorotoluene

Concen: 21.697 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF062130.D

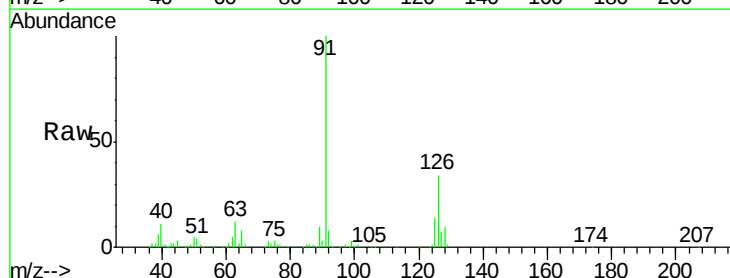
Acq: 25 Mar 2019 14:31

Tgt Ion: 91 Resp: 180437

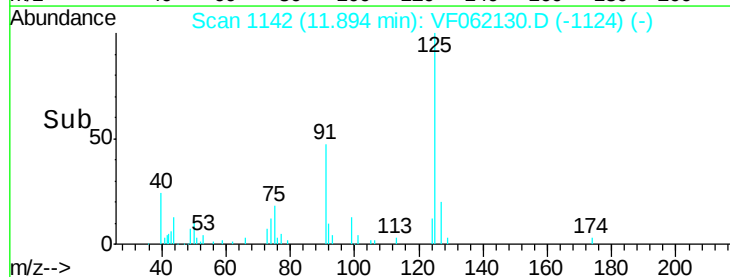
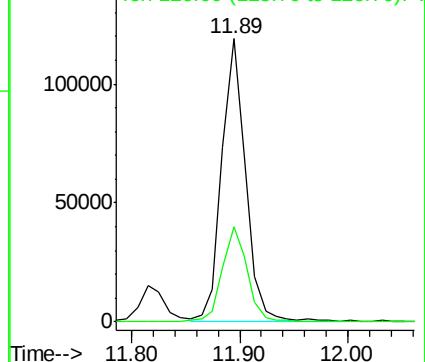
Ion Ratio Lower Upper

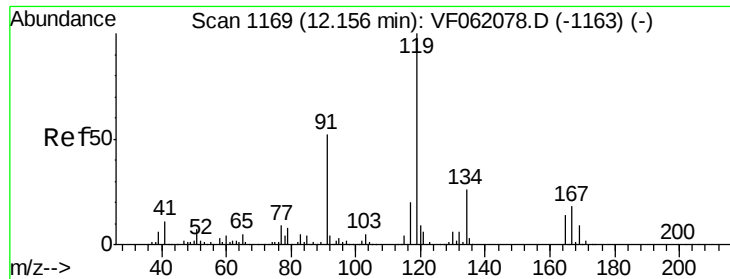
91 100

126 33.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

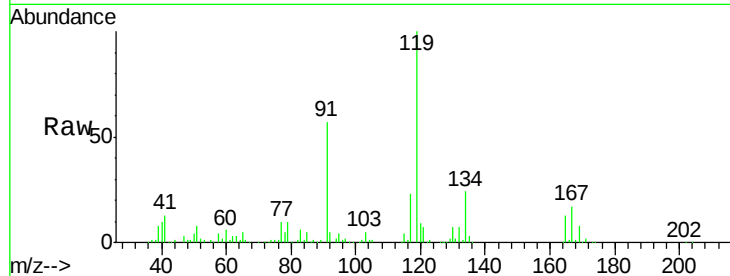




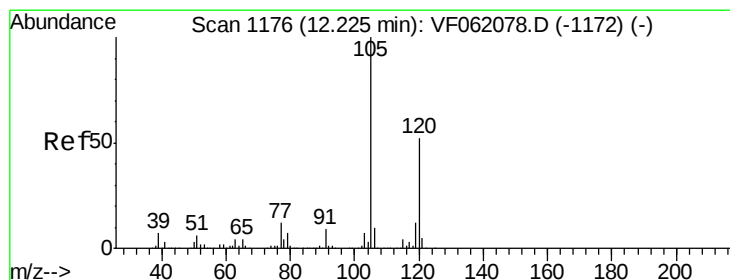
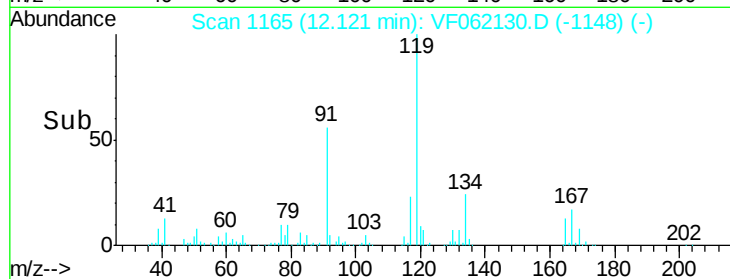
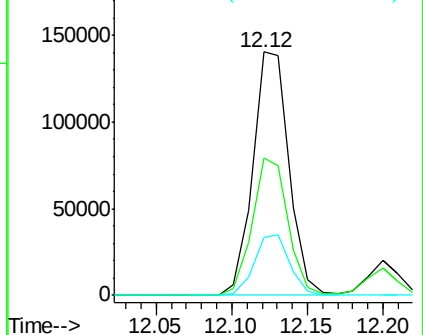
#83
tert-Butylbenzene
Concen: 21.721 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 235036
Ion Ratio Lower Upper
119 100
91 56.6 26.1 78.2
134 24.0 12.8 38.4

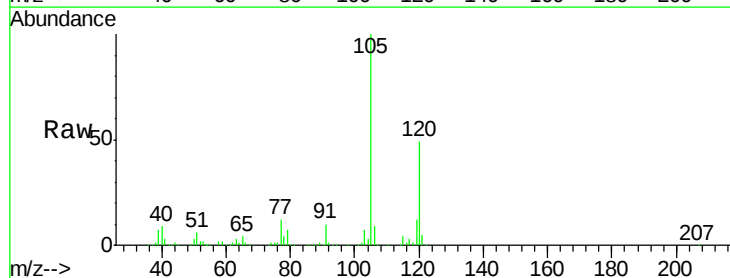


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

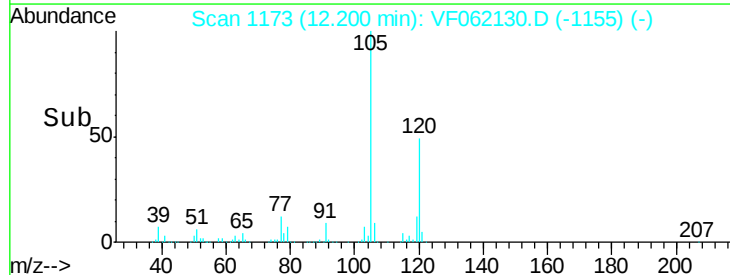
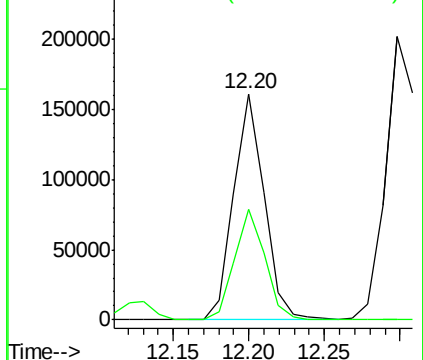


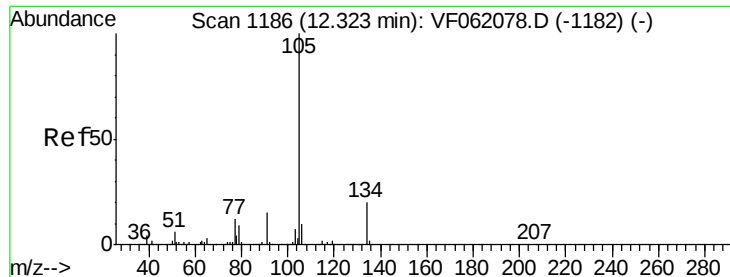
#84
1,2,4-Trimethylbenzene
Concen: 22.427 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion:105 Resp: 227263
Ion Ratio Lower Upper
105 100
120 49.0 26.1 78.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.733 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

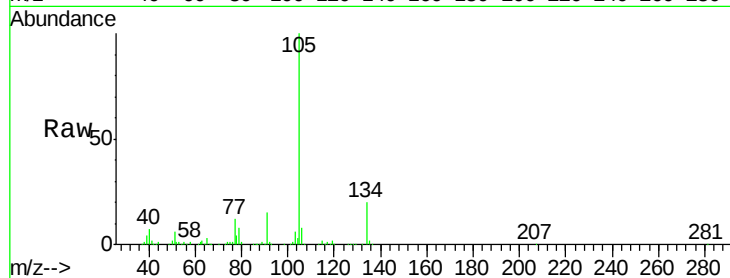
ClientSampleId :

Tot Ion:105 Resp: 304230

Ion Ratio Lower Upper

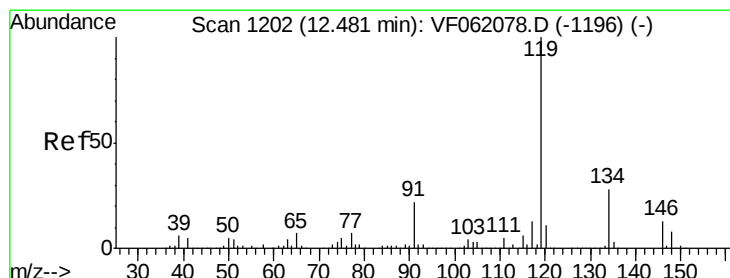
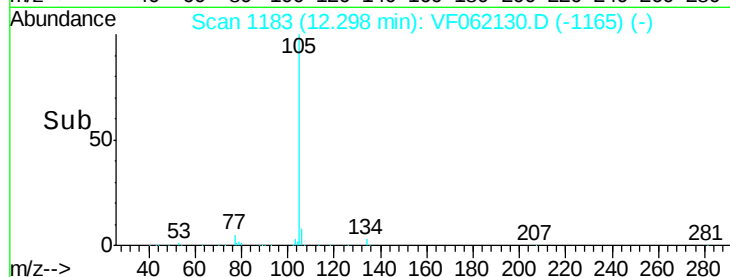
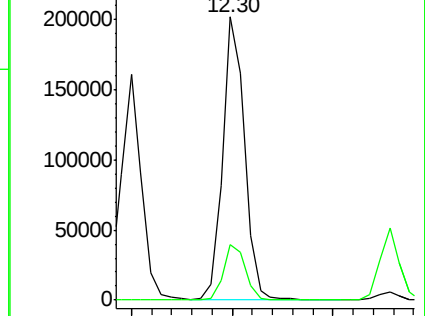
105 100

134 19.5 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.255 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

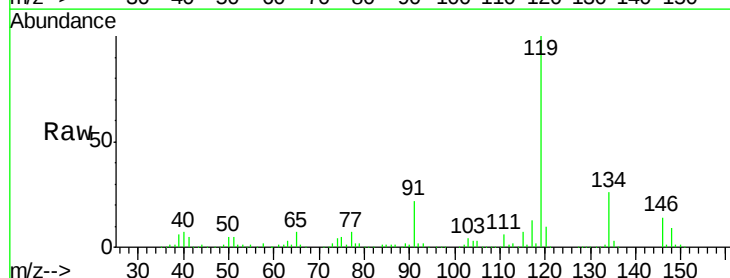
Tgt Ion:119 Resp: 269904

Ion Ratio Lower Upper

119 100

134 26.2 14.0 42.0

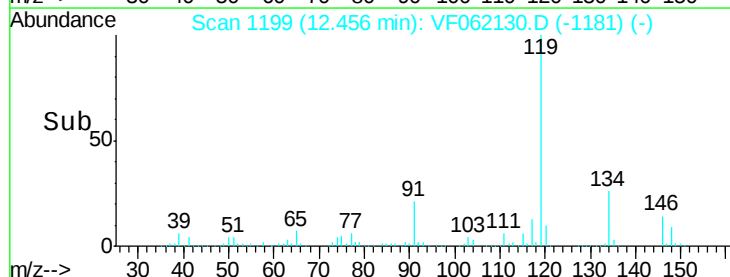
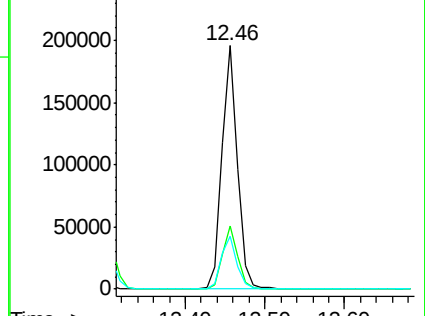
91 21.5 10.8 32.4

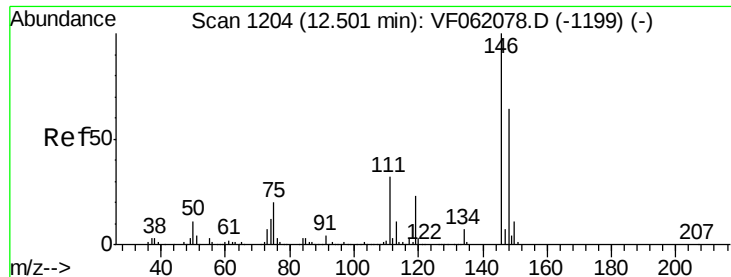


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

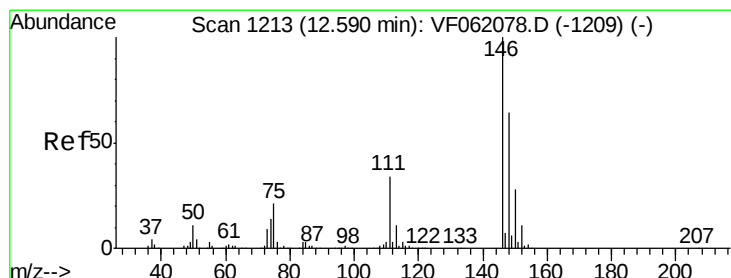
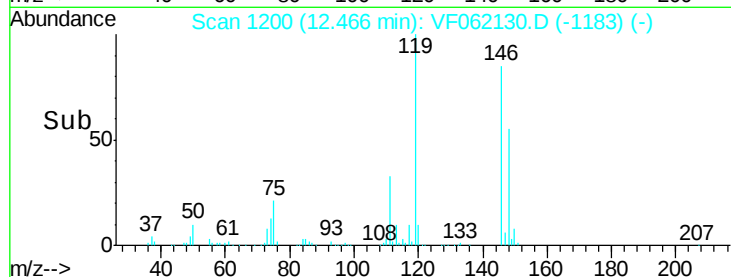
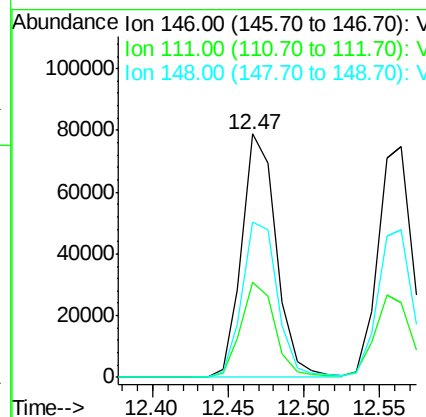
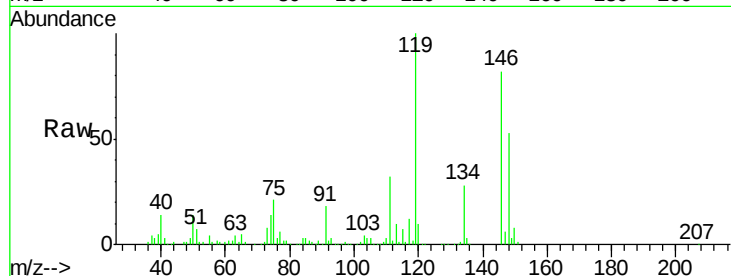




#87
 1,3-Dichlorobenzene
 Concen: 22.097 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

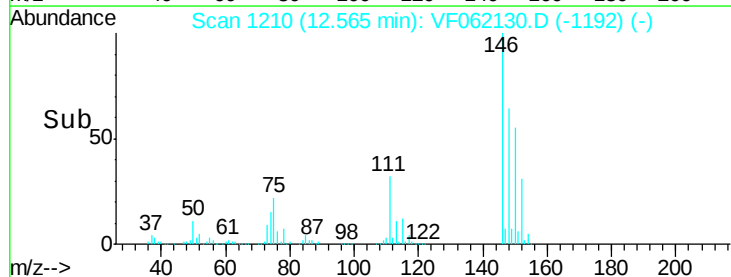
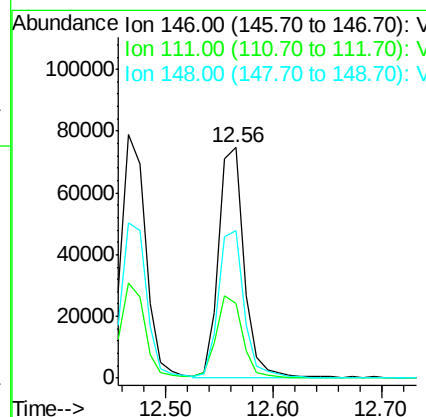
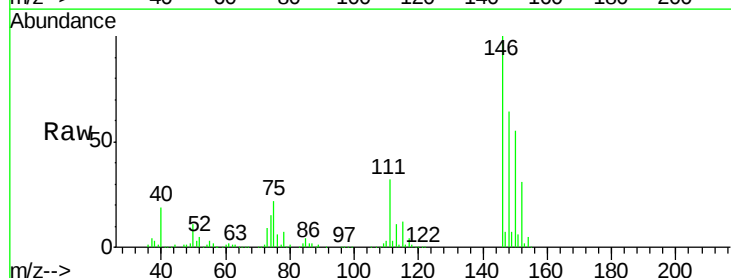
Instrument :
 MSVOA_F
 ClientSampleId :

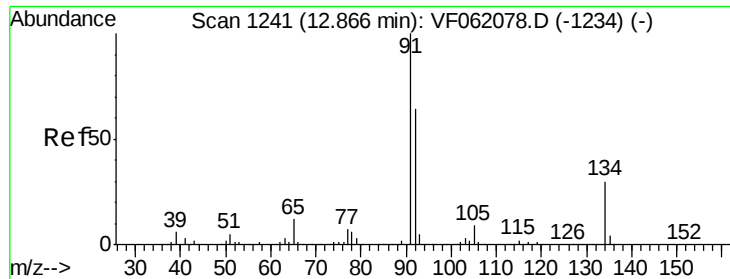
Tot Ion:146 Resp: 126045
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.1 48.3
 148 64.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 22.084 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion:146 Resp: 122926
 Ion Ratio Lower Upper
 146 100
 111 32.4 16.9 50.6
 148 63.9 31.9 95.7

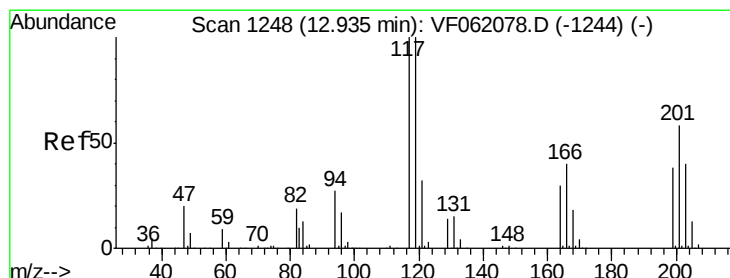
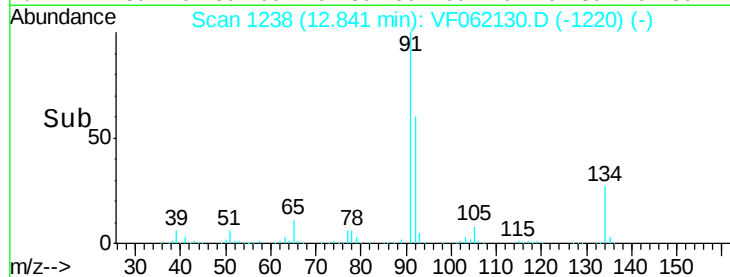
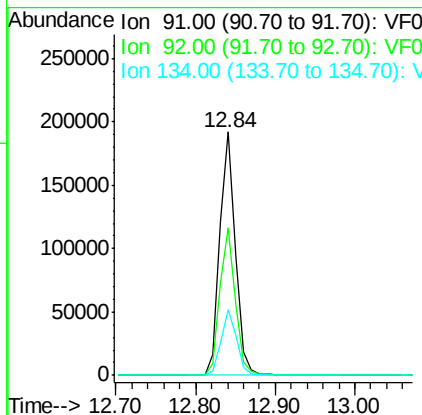
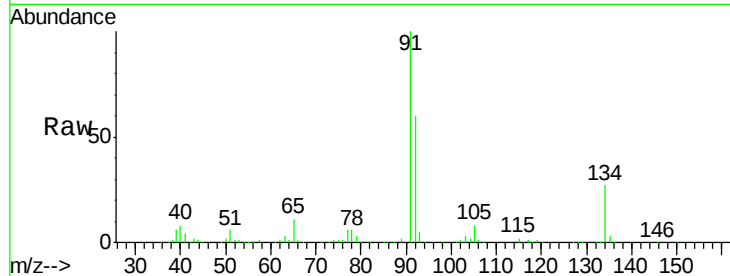




#89
n-Butylbenzene
Concen: 23.161 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

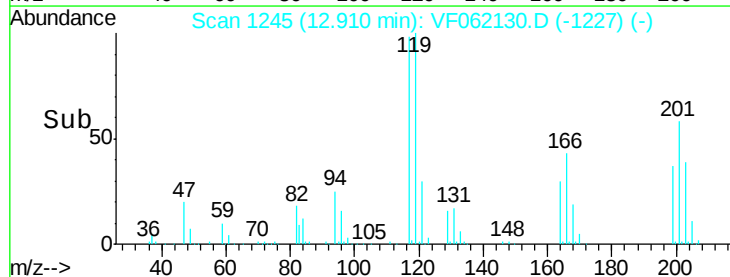
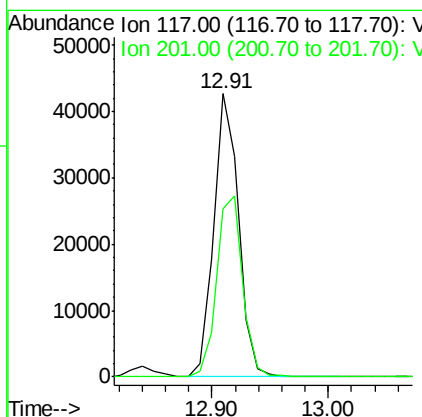
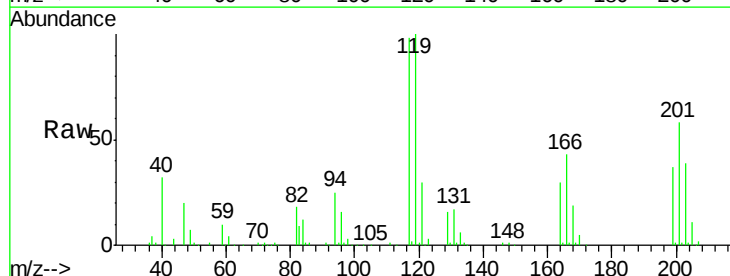
Instrument :
MSVOA_F
ClientSampled :

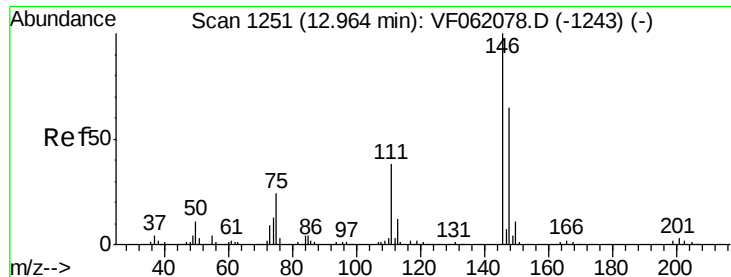
Tot Ion: 91 Resp: 267995
Ion Ratio Lower Upper
91 100
92 60.4 31.9 95.5
134 26.9 14.9 44.9



#90
Hexachloroethane
Concen: 21.738 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion: 117 Resp: 62775
Ion Ratio Lower Upper
117 100
201 59.5 28.7 86.1





#91

1,2-Dichlorobenzene

Concen: 21.626 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

Instrument :

MSVOA_F

ClientSampled :

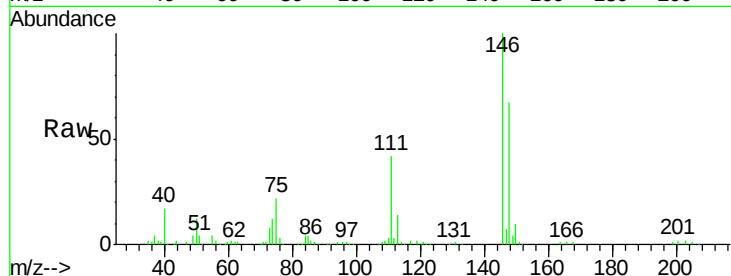
Tot Ion:146 Resp: 115836

Ion Ratio Lower Upper

146 100

111 41.7 19.1 57.3

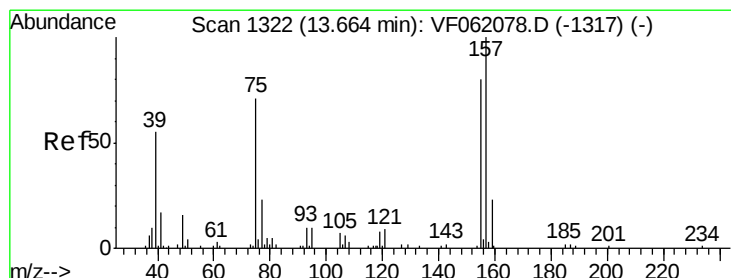
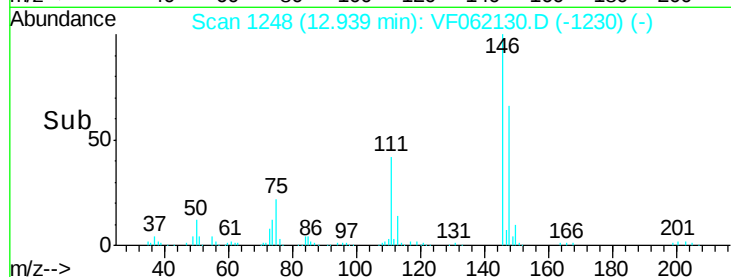
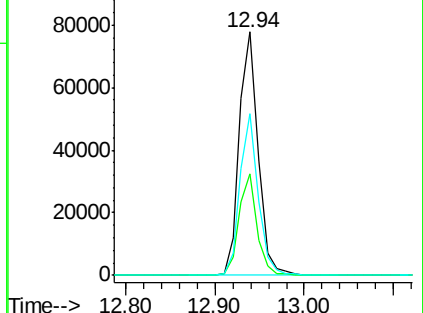
148 66.5 32.8 98.3



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: 20.288 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

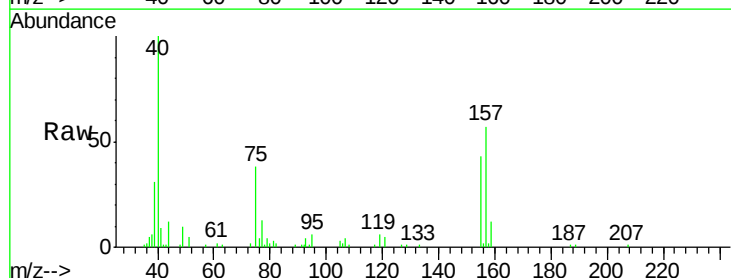
Tgt Ion: 75 Resp: 6633

Ion Ratio Lower Upper

75 100

155 112.6 56.1 168.4

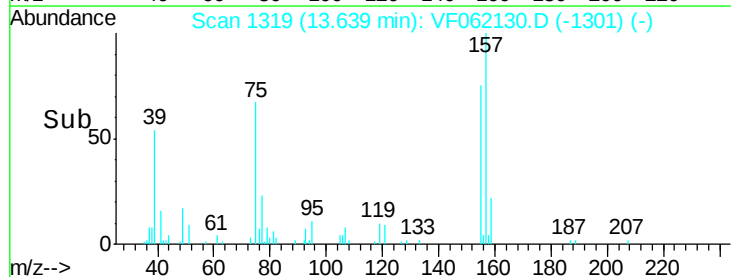
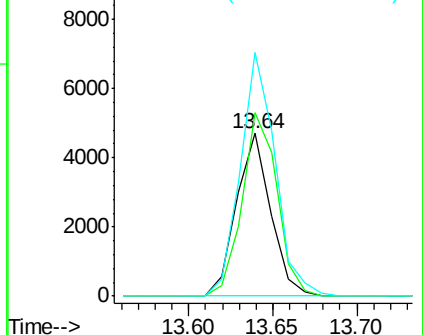
157 149.6 70.4 211.2

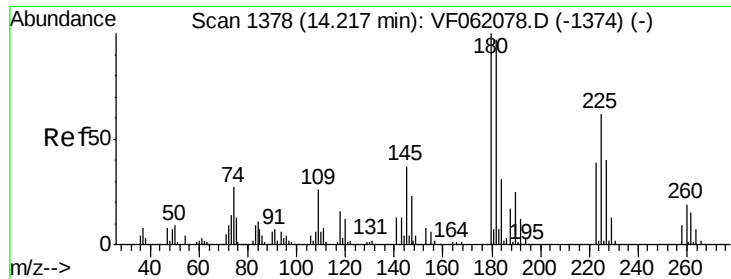


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

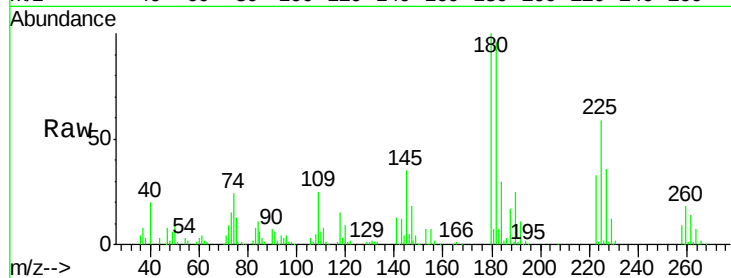




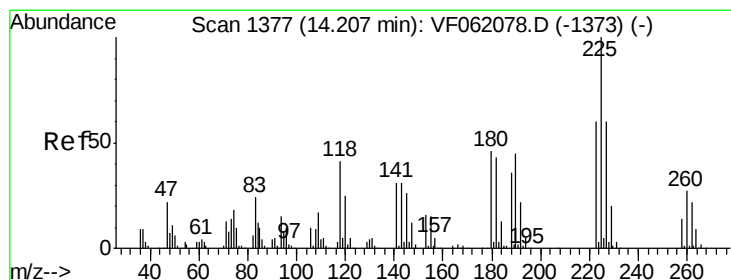
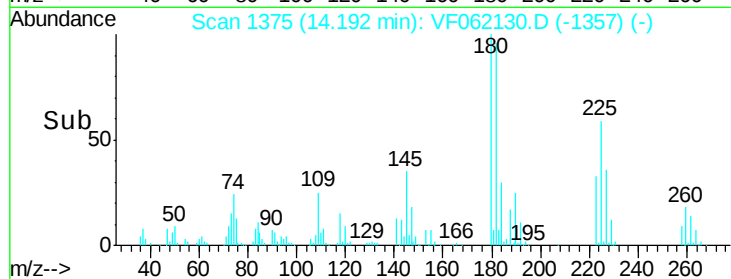
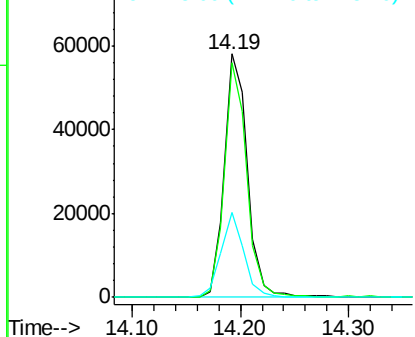
#93
 1,2,4-Trichlorobenzene
 Concen: 23.232 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 86725
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.7 146.1
 145 34.9 18.3 54.8

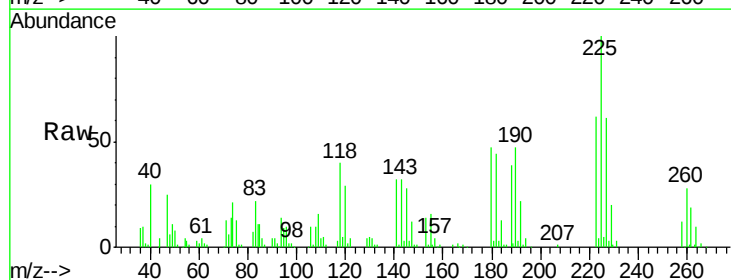


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

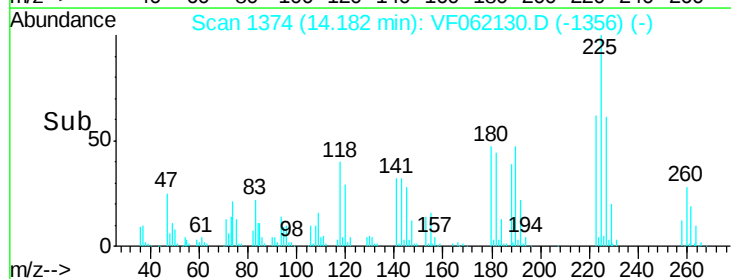
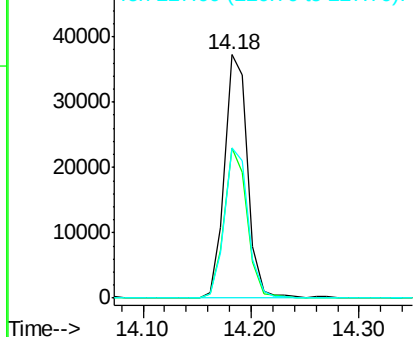


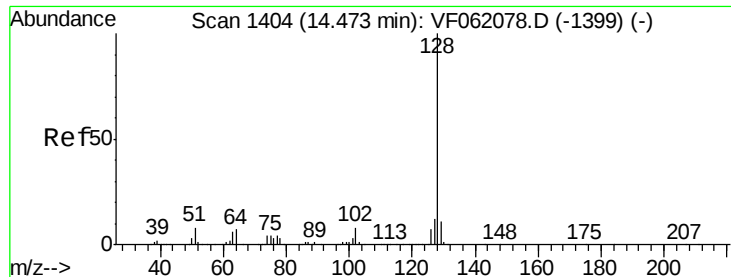
#94
 Hexachlorobutadiene
 Concen: 22.362 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Tgt Ion:225 Resp: 55505
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.0 90.0
 227 61.4 30.2 90.6



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

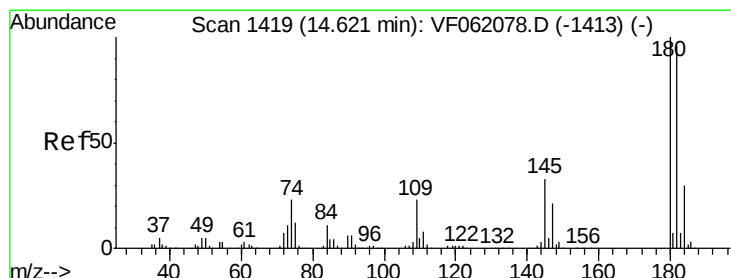
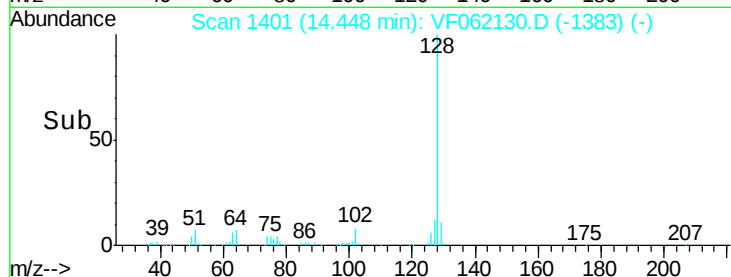
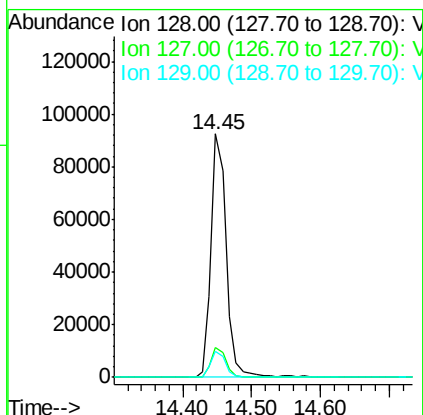
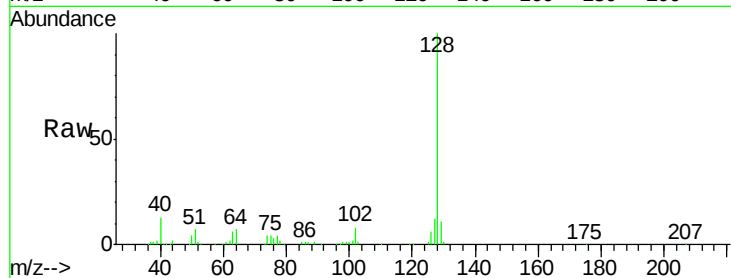




#95
Naphthalene
Concen: 21.857 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 142984
Ion Ratio Lower Upper
128 100
127 12.1 9.5 14.3
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.157 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Tgt Ion:180 Resp: 77425
Ion Ratio Lower Upper
180 100
182 91.3 47.9 143.7
145 31.7 16.6 49.7

