

Data Path : Z:\VOASRV\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 :
 VF0325SBSD01

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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

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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

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

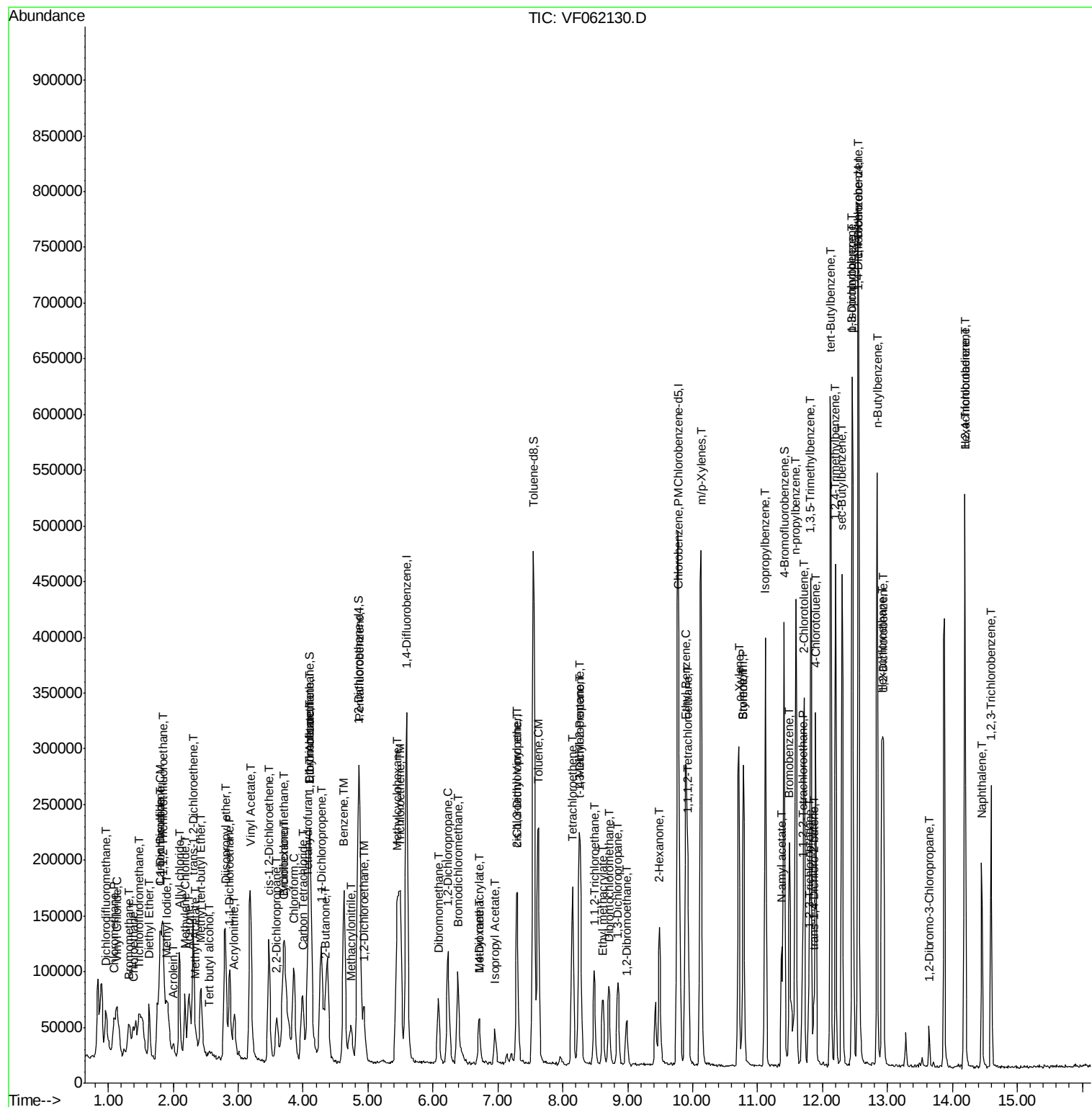
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	86725	23.232	ug/l	98
94) Hexachlorobutadiene	14.18	225	55505	22.362	ug/l	98
95) Naphthalene	14.45	128	142984	21.857	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	77425	22.157	ug/l	96

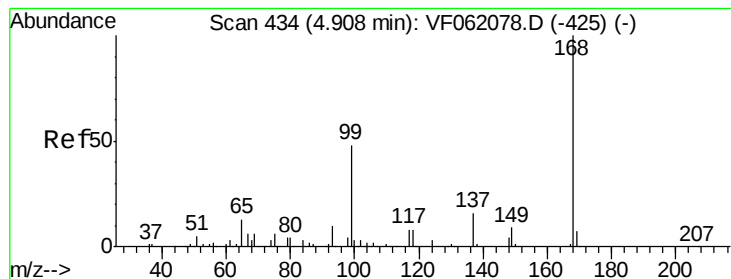
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
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#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

ClientSampleId :

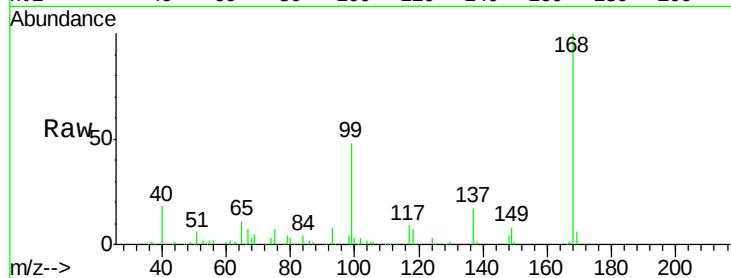
VF0325SBSD01

Tot Ion:168 Resp: 251433

Ion Ratio Lower Upper

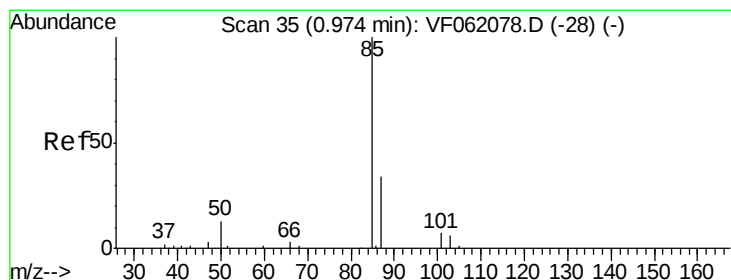
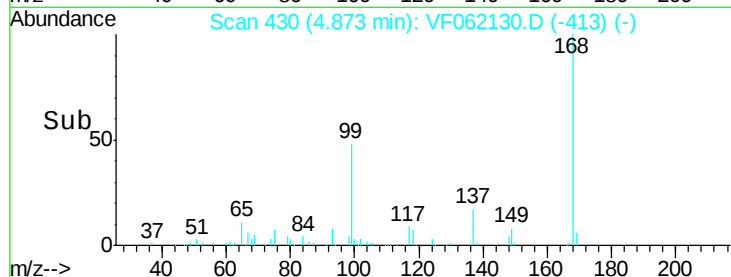
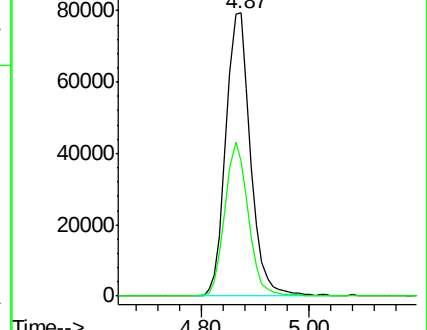
168 100

99 47.6 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 23.901 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF062130.D

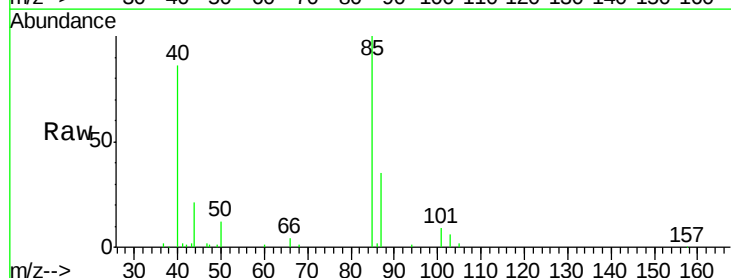
Acq: 25 Mar 2019 14:31

Tgt Ion: 85 Resp: 76985

Ion Ratio Lower Upper

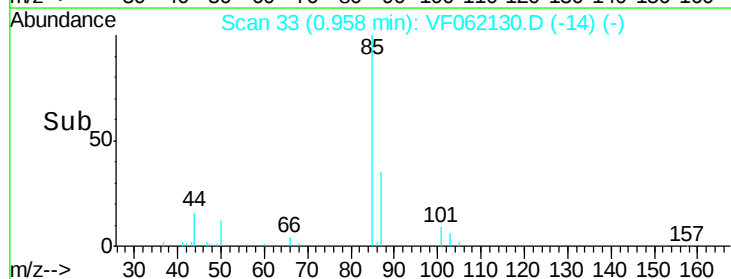
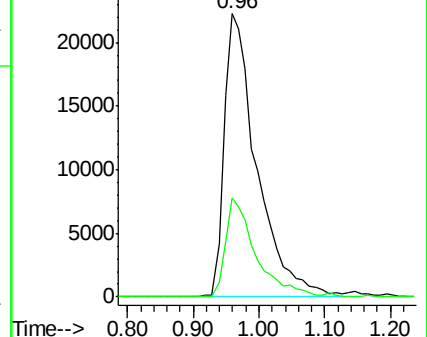
85 100

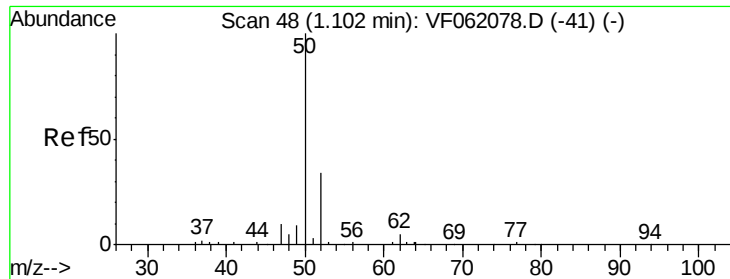
87 35.2 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): 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 :

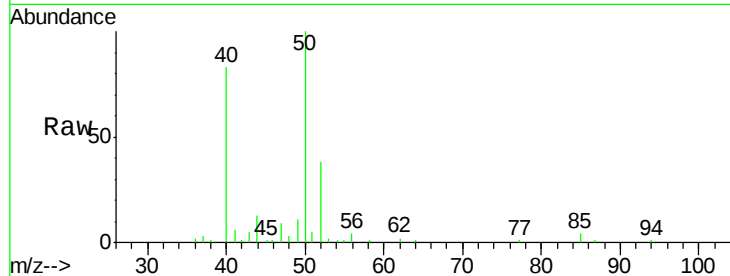
VF0325SBS01

Tot Ion: 50 Resp: 81108

Ion Ratio Lower Upper

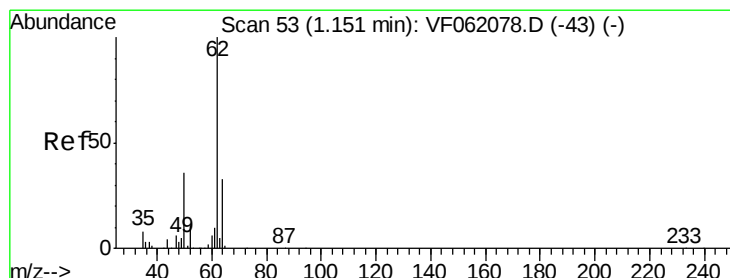
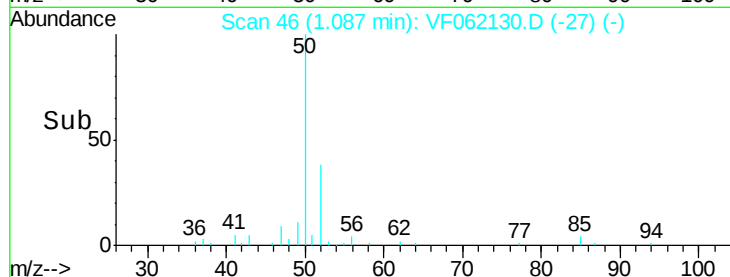
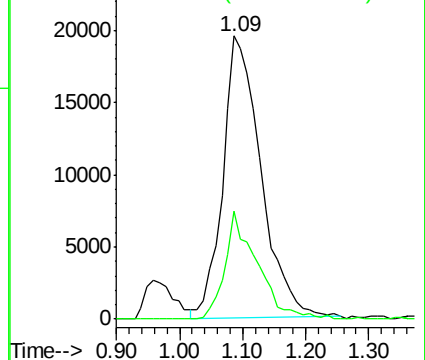
50 100

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

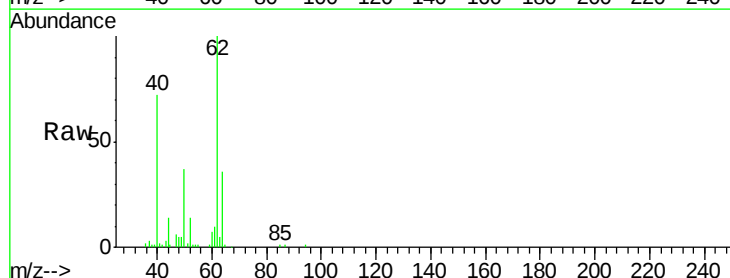
Acq: 25 Mar 2019 14:31

Tgt Ion: 62 Resp: 78397

Ion Ratio Lower Upper

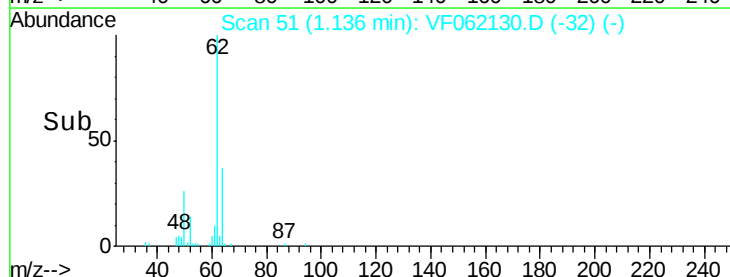
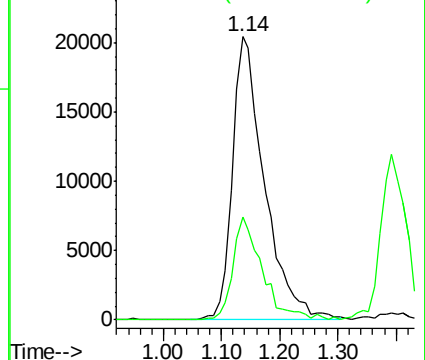
62 100

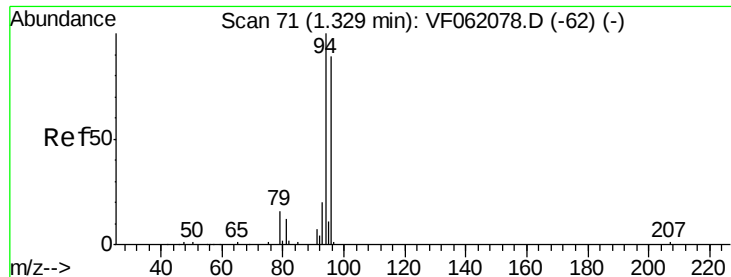
64 36.3 26.2 39.2



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 :

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ClientSampleId :

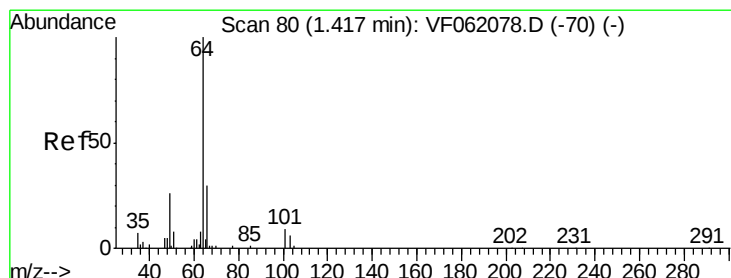
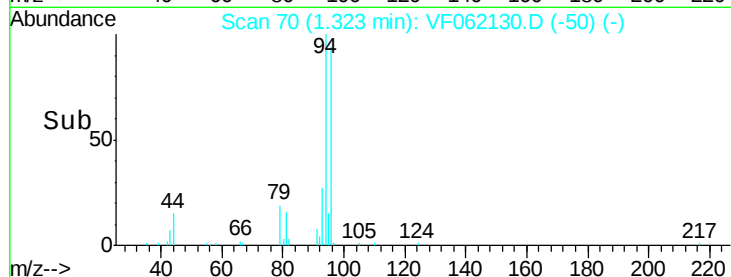
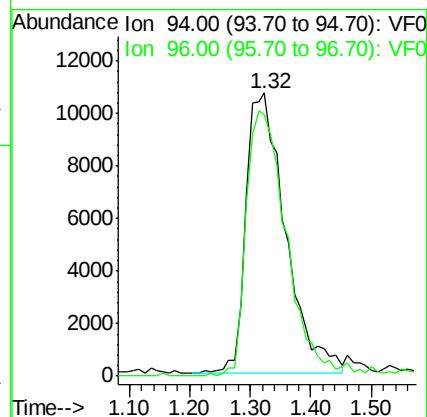
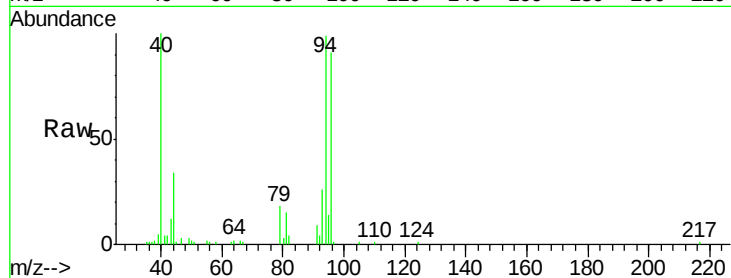
VF0325SBSD01

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

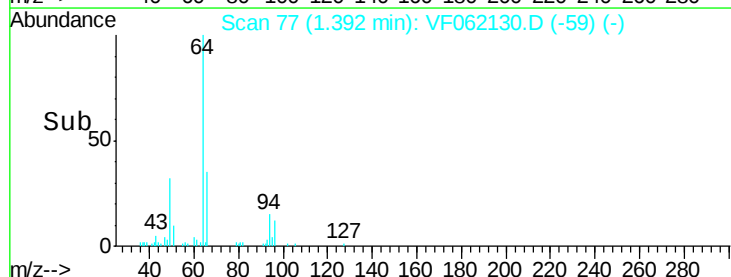
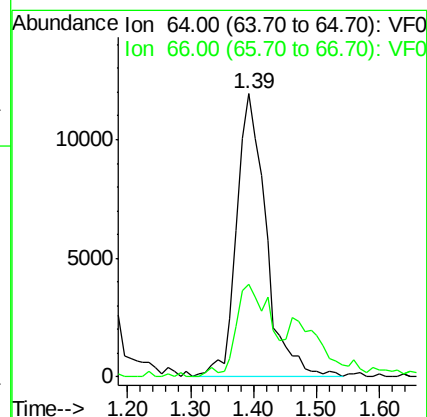
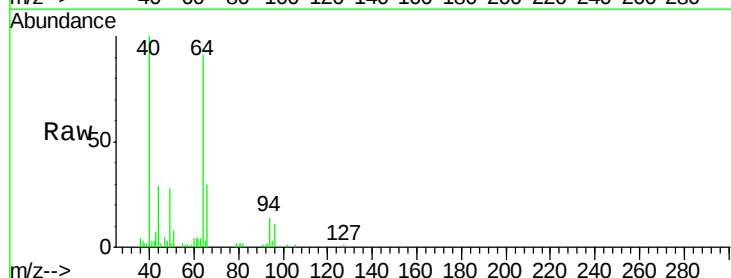
Acq: 25 Mar 2019 14:31

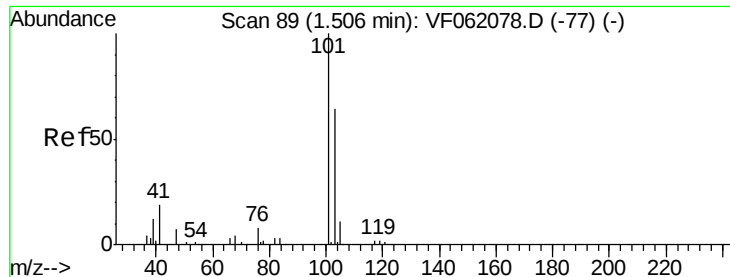
Tgt Ion: 64 Resp: 38564

Ion Ratio Lower Upper

64 100

66 32.5 24.5 36.7



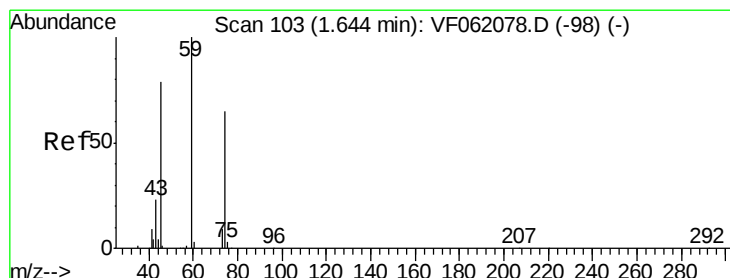
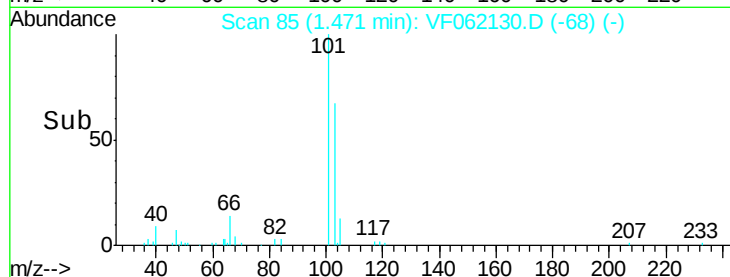
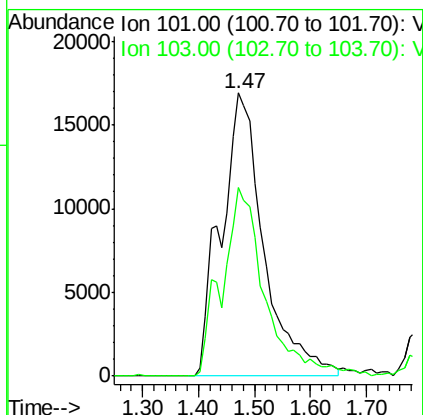
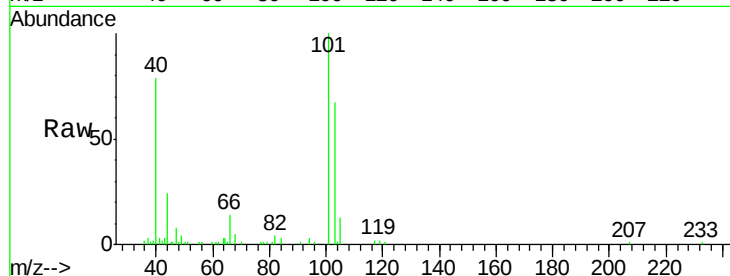


#7

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 :
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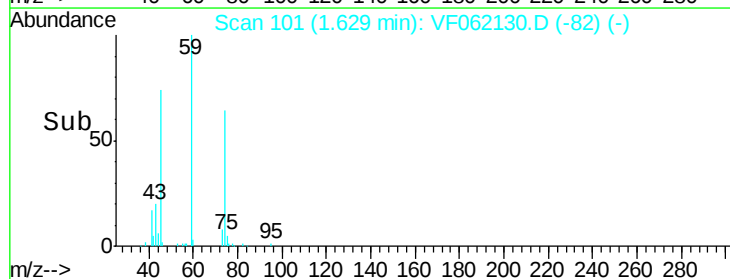
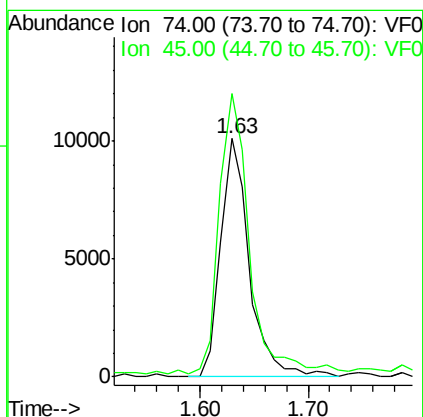
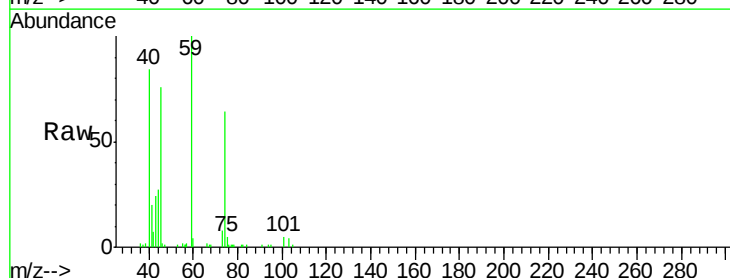
Tot Ion:101 Resp: 90088
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.5 77.3

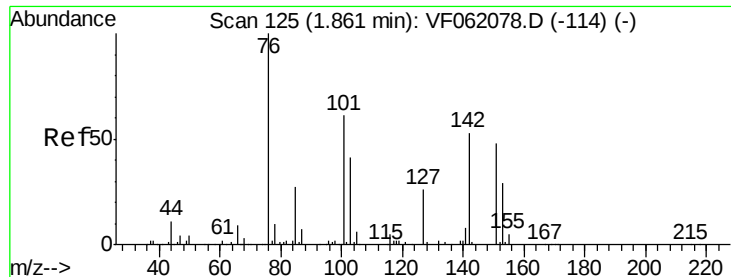


#8

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





#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

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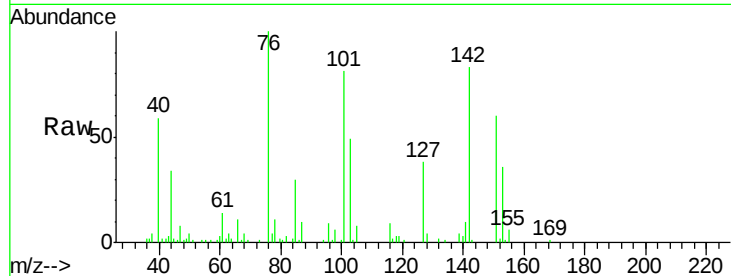
Tot Ion:101 Resp: 61748

Ion Ratio Lower Upper

101 100

85 37.2 34.6 52.0

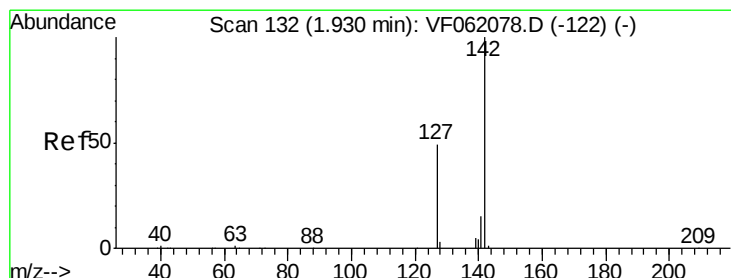
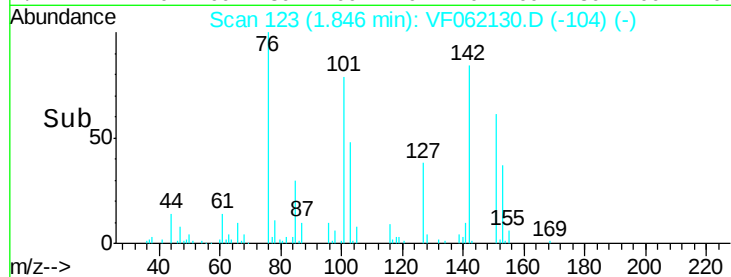
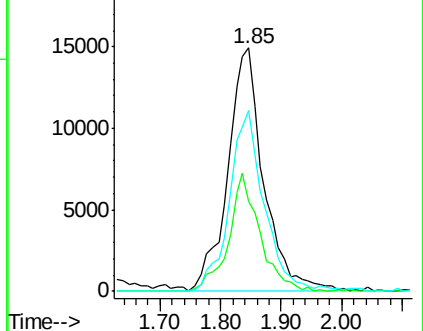
151 74.5 61.7 92.5



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

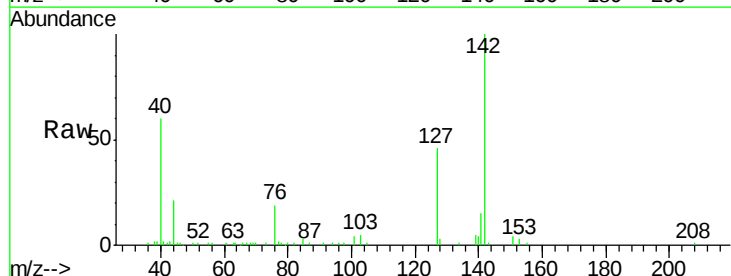
Tgt Ion:142 Resp: 85315

Ion Ratio Lower Upper

142 100

127 45.8 39.1 58.7

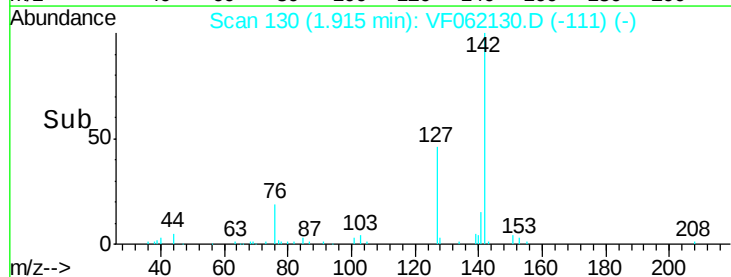
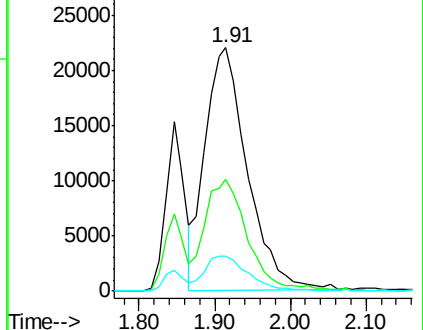
141 14.6 12.2 18.4

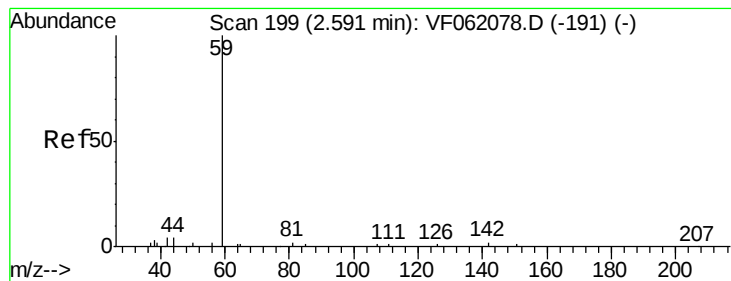


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



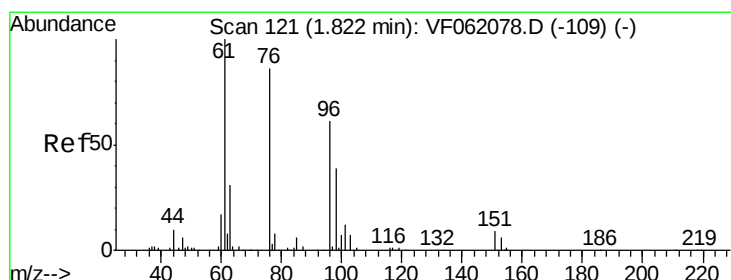
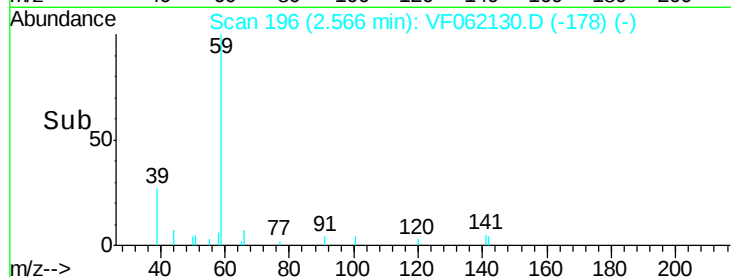
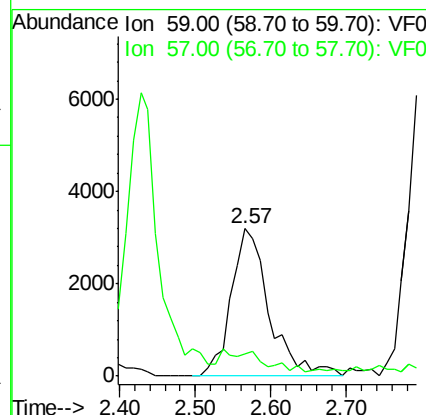
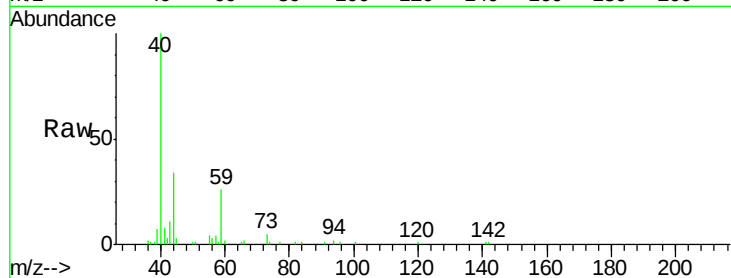


#11

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
ClientSampleId :
VF0325SBS01

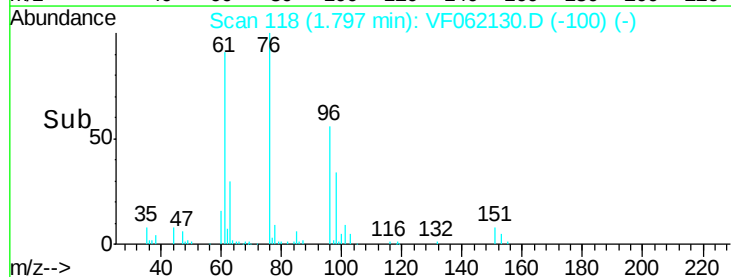
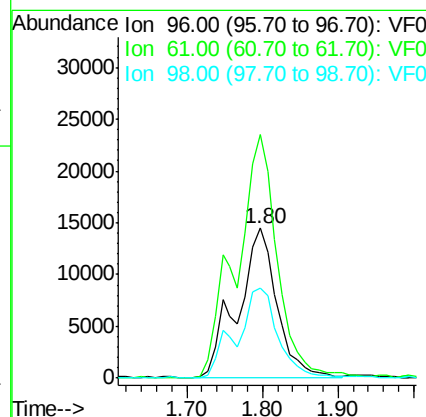
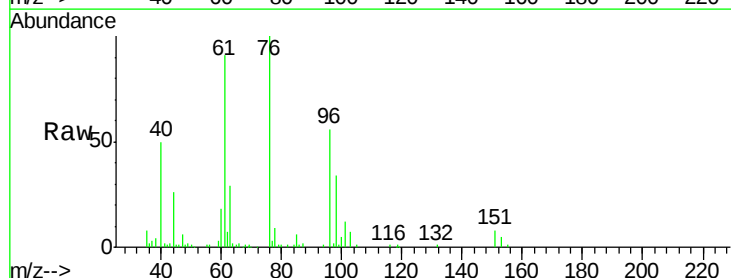
Tot Ion: 59 Resp: 11107
Ion Ratio Lower Upper
59 100
57 14.8 11.0 16.4

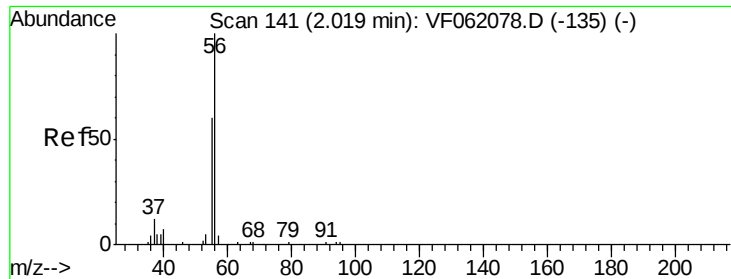


#12

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

ClientSampleId :

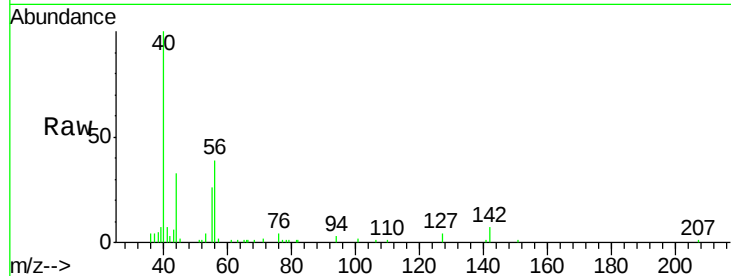
VF0325SBSD01

Tot Ion: 56 Resp: 15615

Ion Ratio Lower Upper

56 100

55 66.9 49.0 73.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

5000

4000

3000

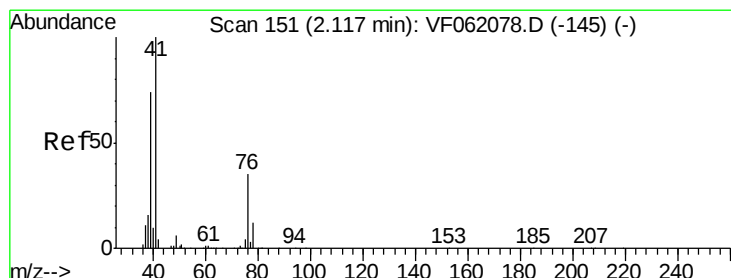
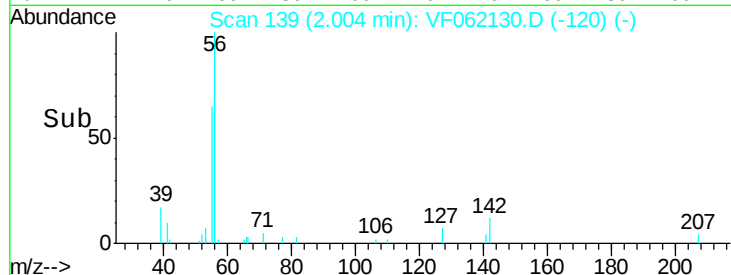
2000

1000

0

Time-->

1.90 2.00 2.10 2.20



#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

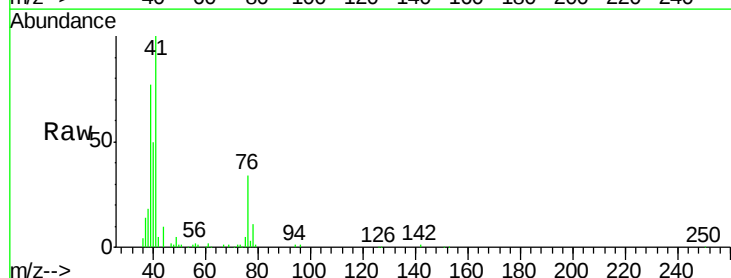
Tgt Ion: 41 Resp: 68252

Ion Ratio Lower Upper

41 100

39 77.4 59.8 89.8

76 33.8 30.0 45.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

40000

30000

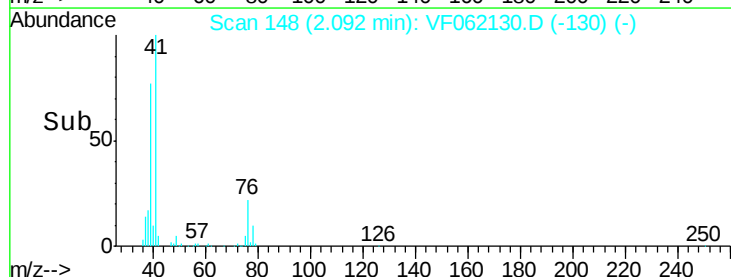
20000

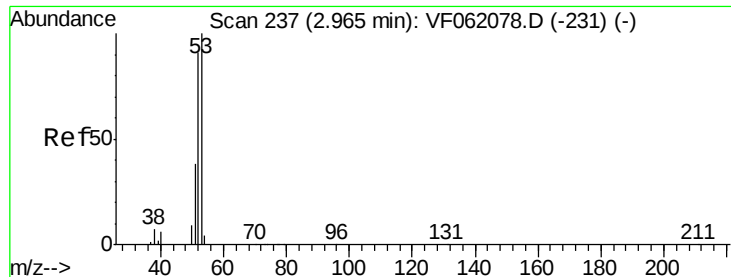
10000

0

Time-->

2.00 2.05 2.10 2.15





#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 :

VF0325SBS01

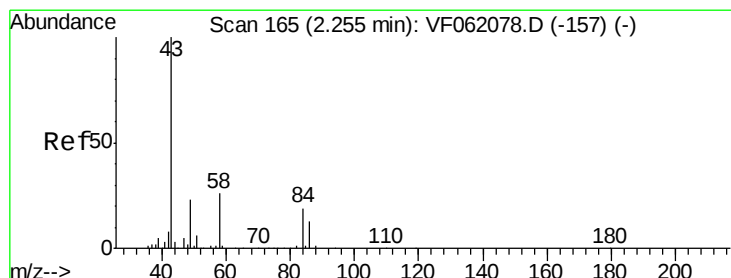
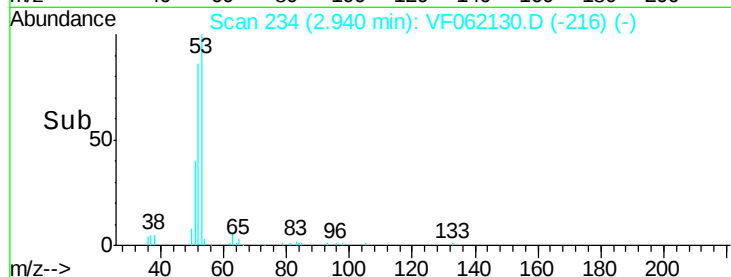
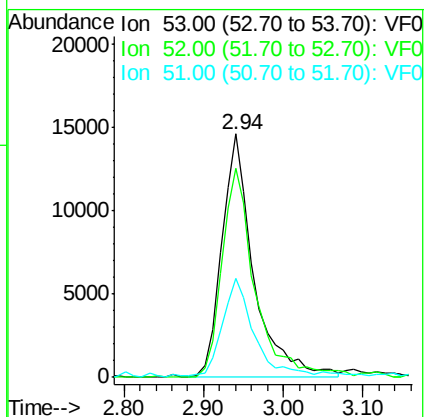
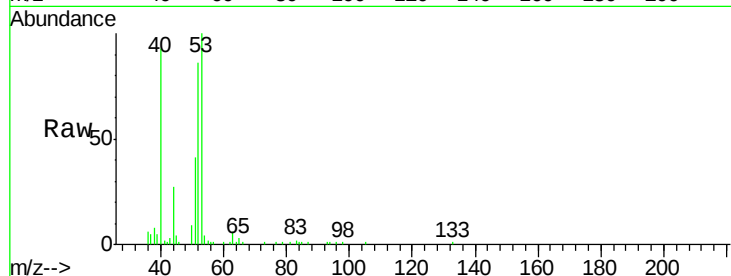
Tot Ion: 53 Resp: 41296

Ion Ratio Lower Upper

53 100

52 85.7 72.3 108.5

51 40.6 30.4 45.6



#16

Acetone

Concen: 109.619 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062130.D

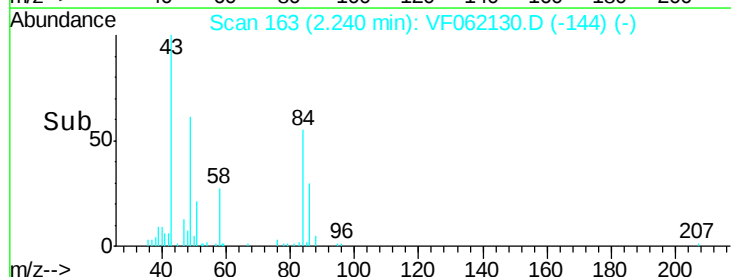
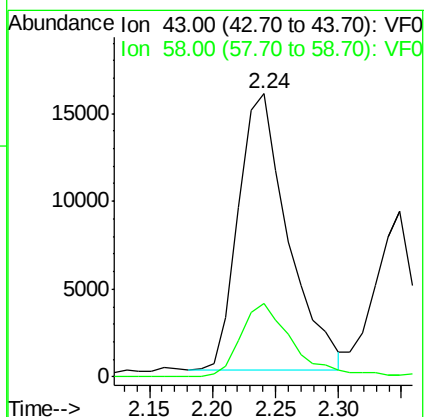
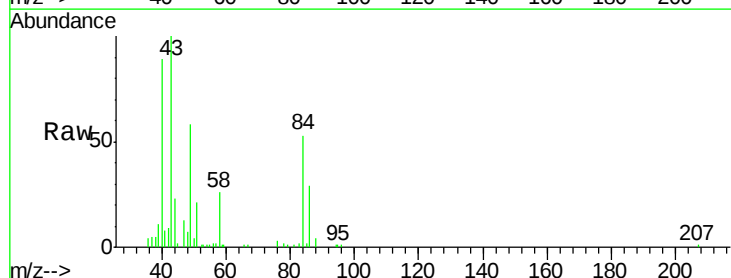
Acq: 25 Mar 2019 14:31

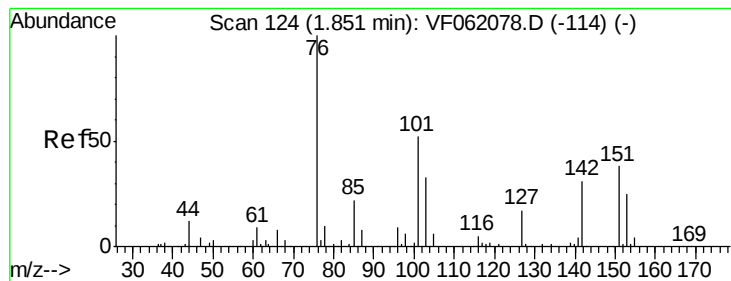
Tgt Ion: 43 Resp: 43147

Ion Ratio Lower Upper

43 100

58 26.1 20.8 31.2





#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 :

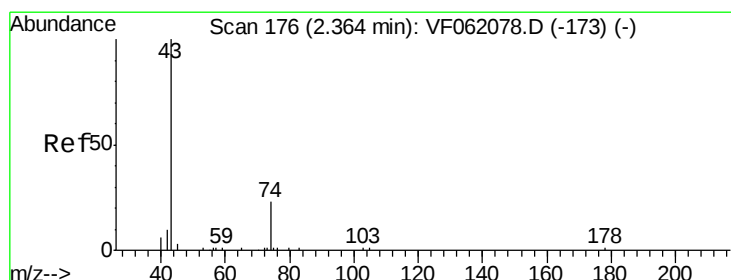
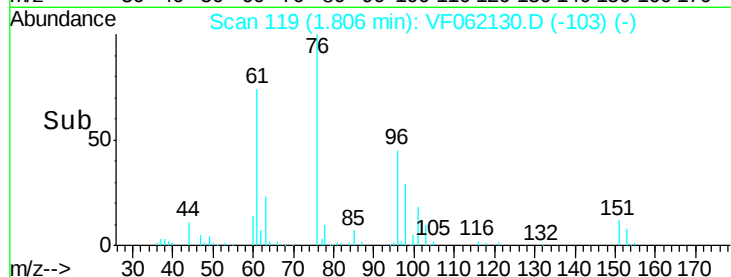
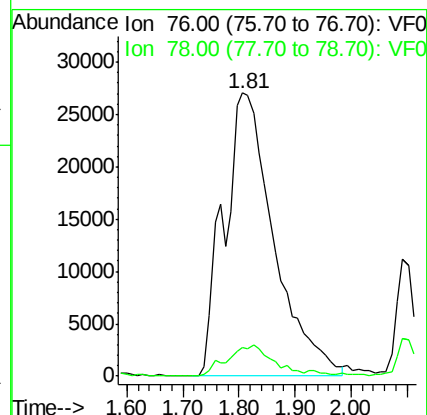
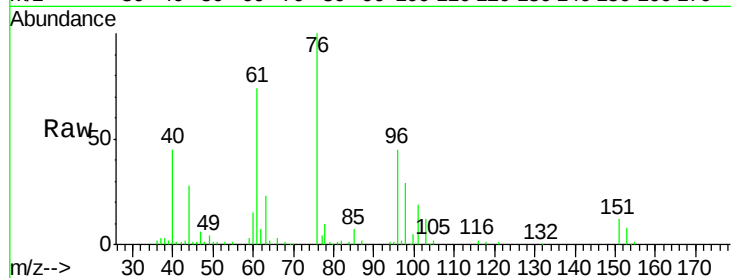
VF0325SBSD01

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

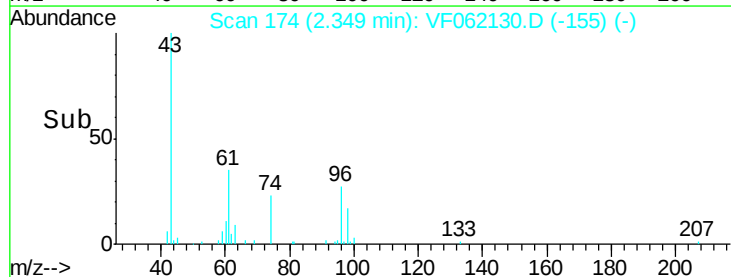
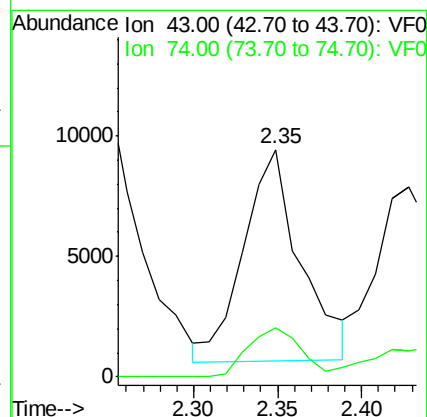
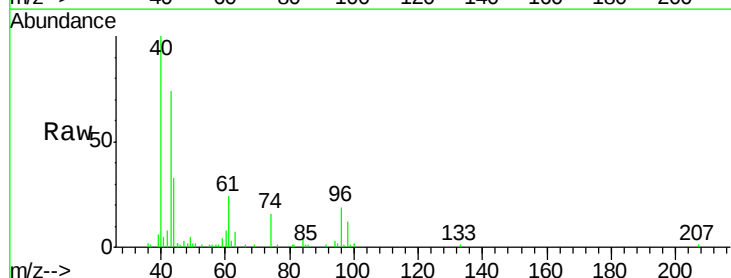
Acq: 25 Mar 2019 14:31

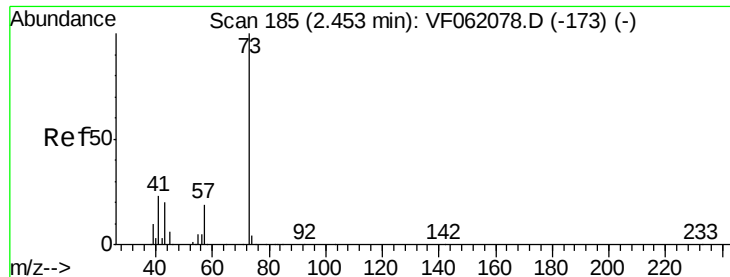
Tgt Ion: 43 Resp: 20633

Ion Ratio Lower Upper

43 100

74 21.8 16.3 24.5

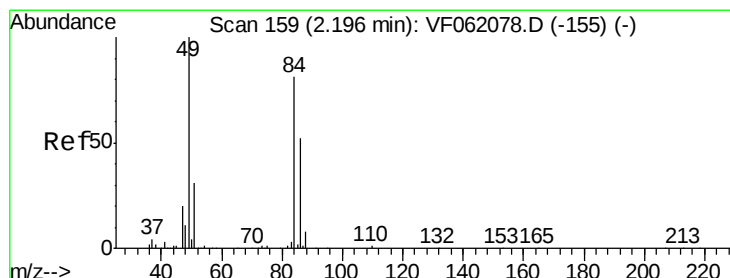
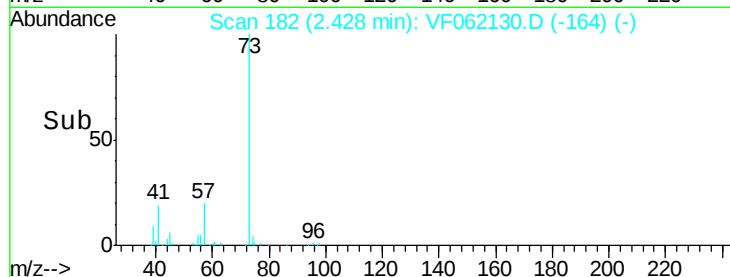
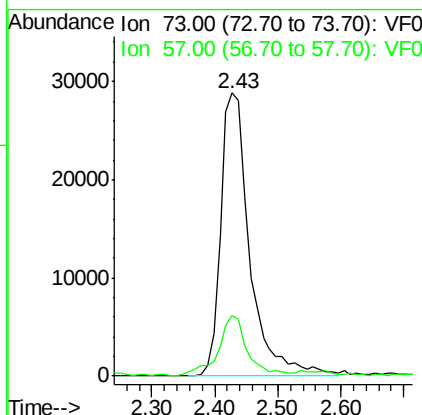
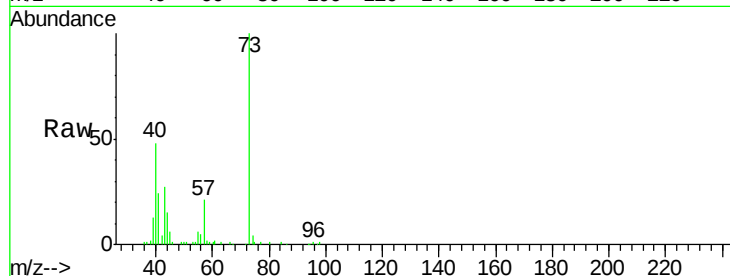




#19
Methvl tert-butvl Ether
Concen: 24.209 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

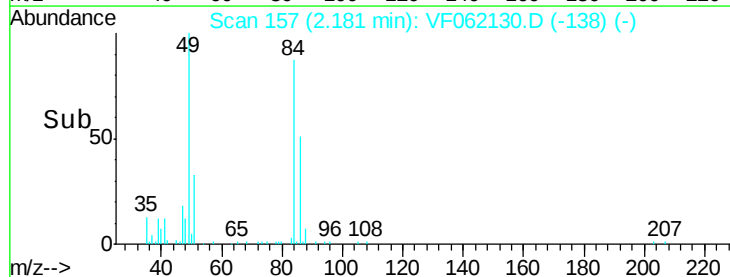
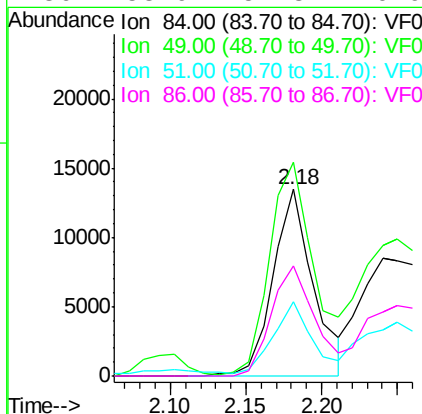
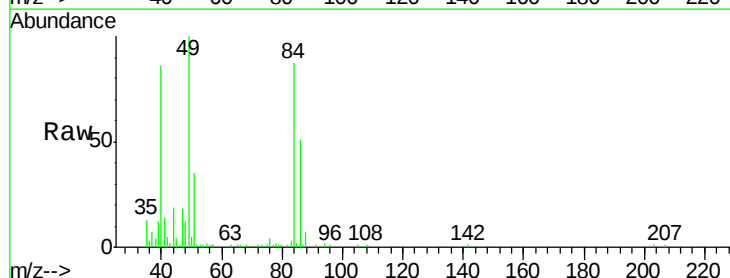
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBSD01

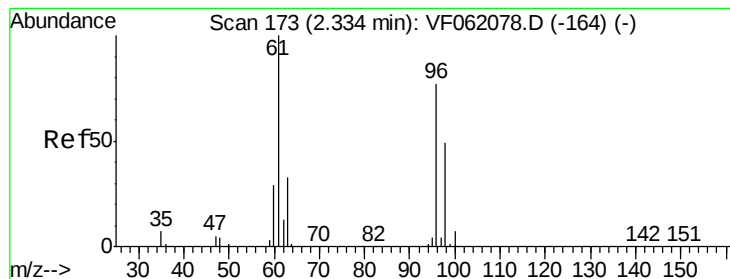
Tot Ion: 73 Resp: 92734
Ion Ratio Lower Upper
73 100
57 21.3 15.1 22.7



#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 :

VF0325SBS01

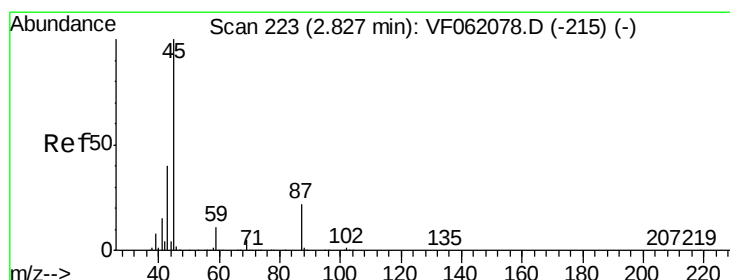
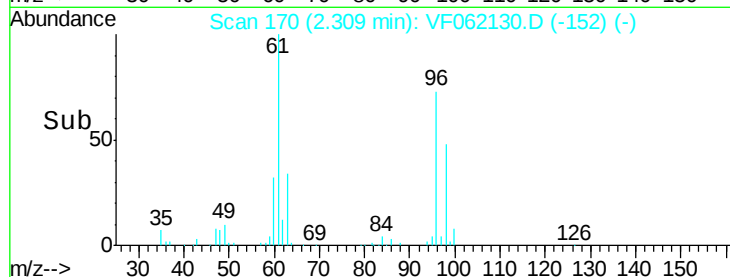
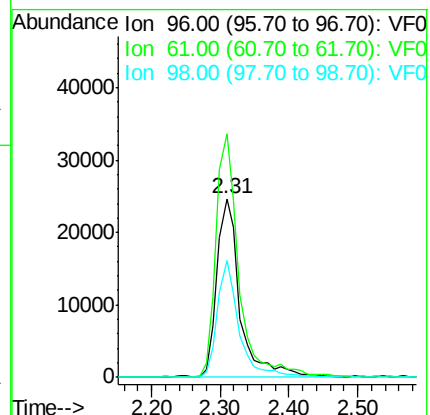
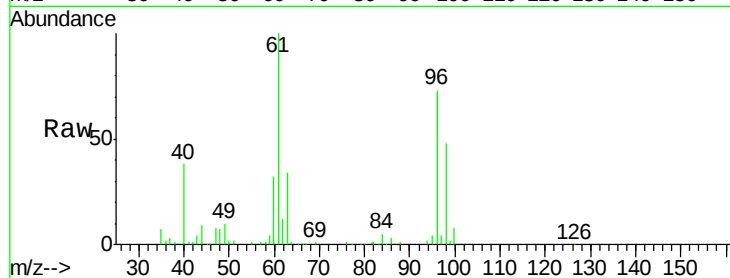
Tot Ion: 96 Resp: 58190

Ion Ratio Lower Upper

96 100

61 136.3 104.5 156.7

98 65.1 51.2 76.8



#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

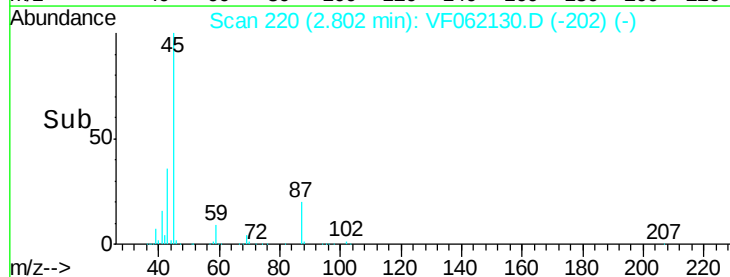
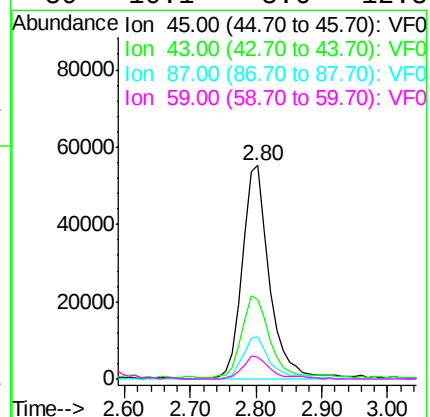
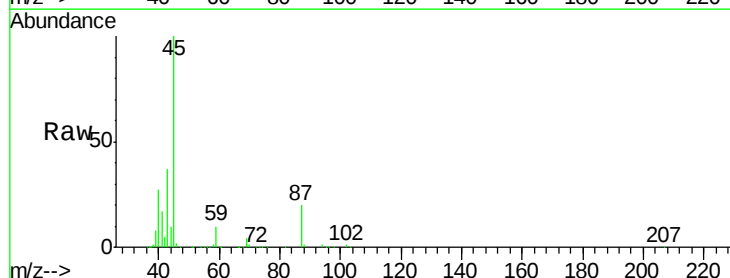
Ion Ratio Lower Upper

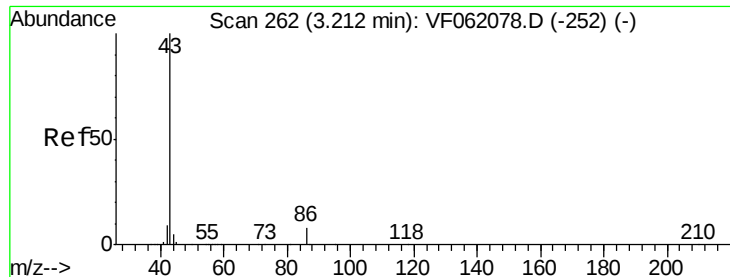
45 100

43 36.9 32.5 48.7

87 19.7 17.4 26.2

59 10.1 8.6 12.8





#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 :

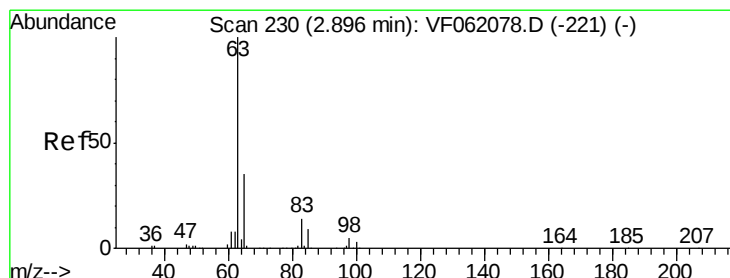
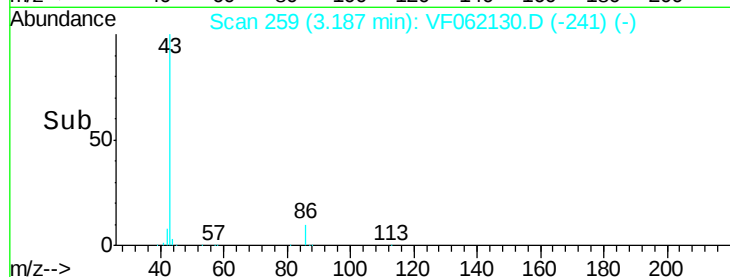
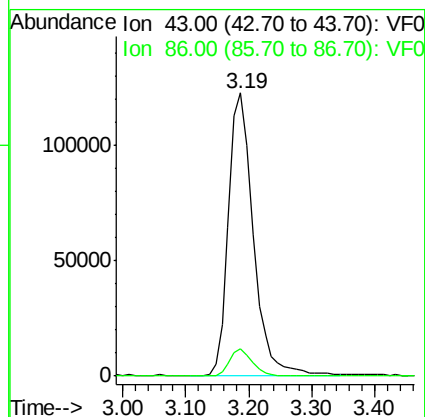
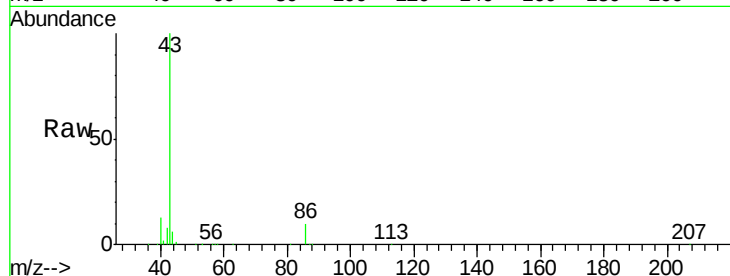
VF0325SBS01

Tot Ion: 43 Resp: 334994

Ion Ratio Lower Upper

43 100

86 9.6 6.8 10.2



#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

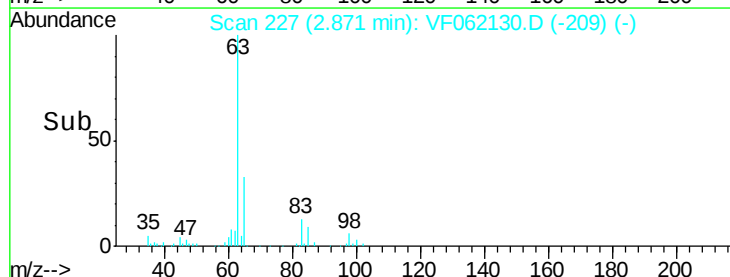
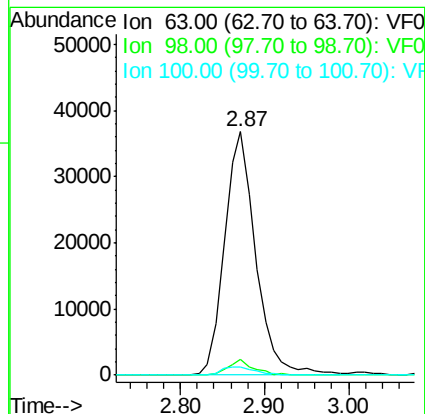
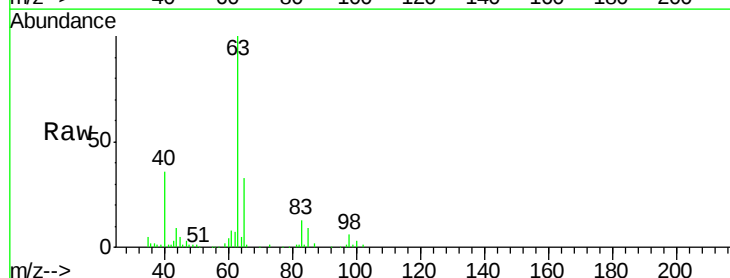
Tgt Ion: 63 Resp: 94780

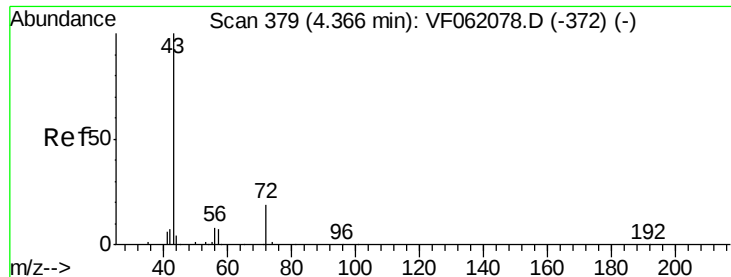
Ion Ratio Lower Upper

63 100

98 6.4 2.7 8.1

100 3.3 1.7 5.1





#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 :

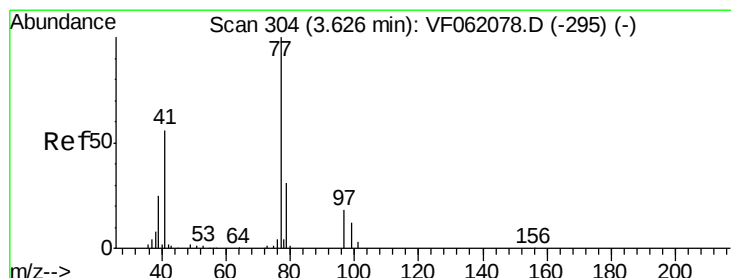
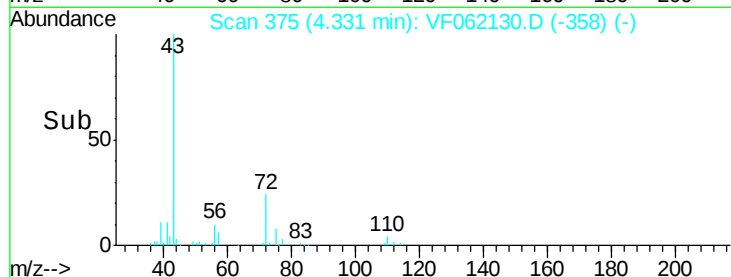
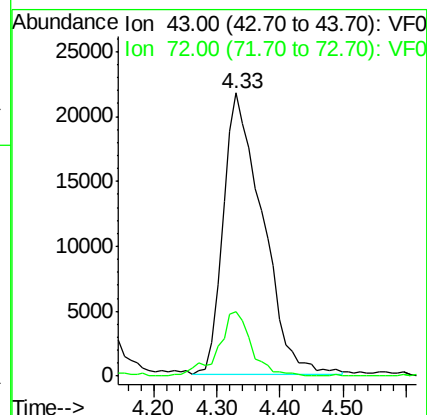
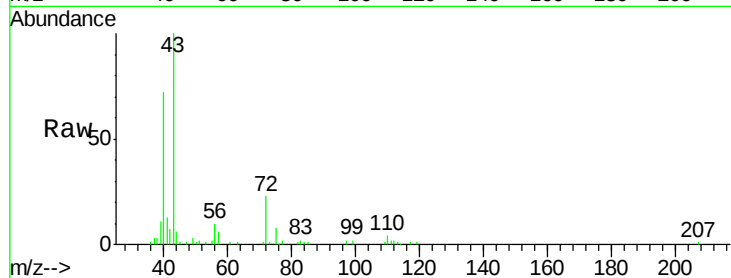
VF0325SBSD01

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

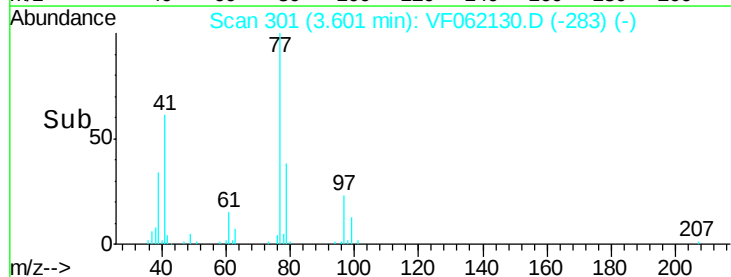
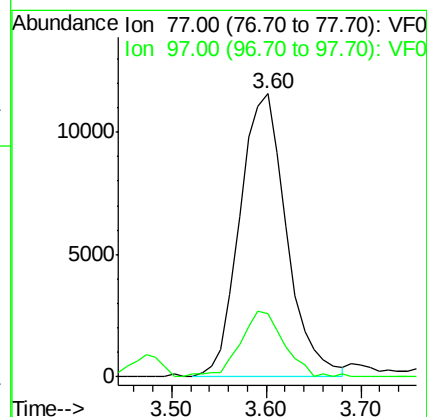
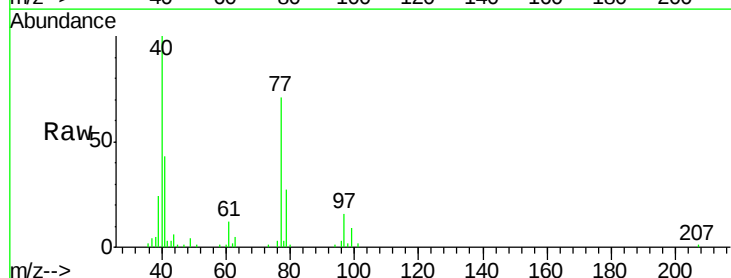
Acq: 25 Mar 2019 14:31

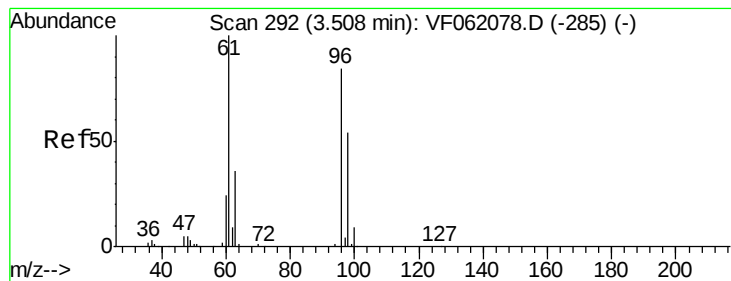
Tgt Ion: 77 Resp: 39805

Ion Ratio Lower Upper

77 100

97 22.2 10.3 30.9



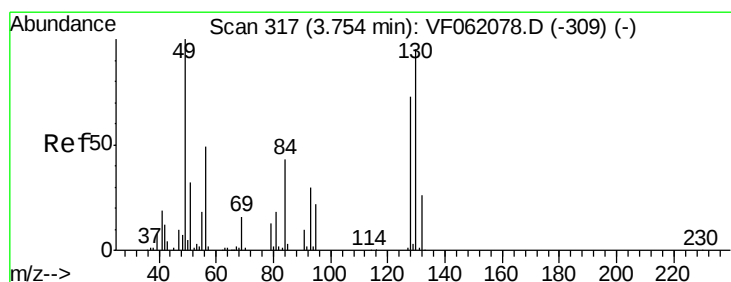
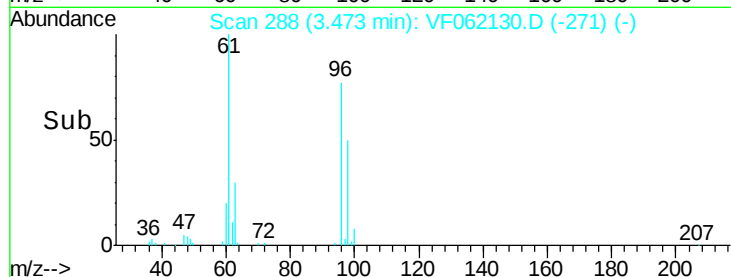
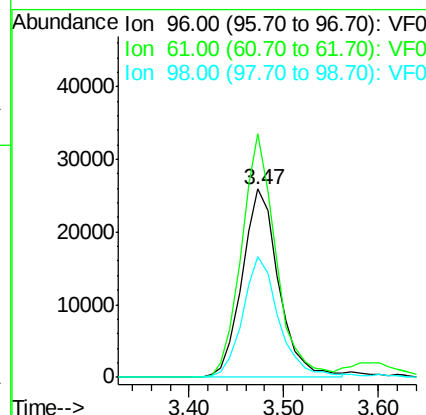
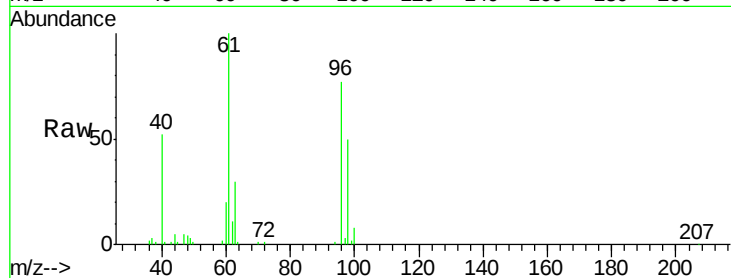


#27

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 :
VF0325SBS01

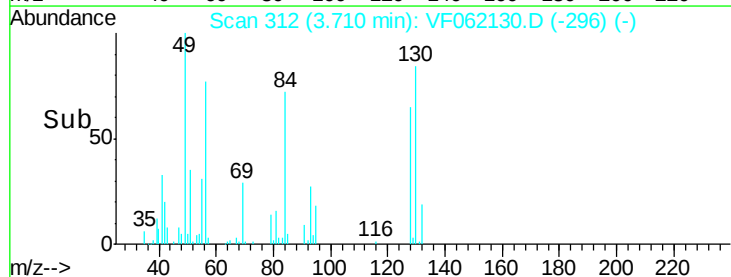
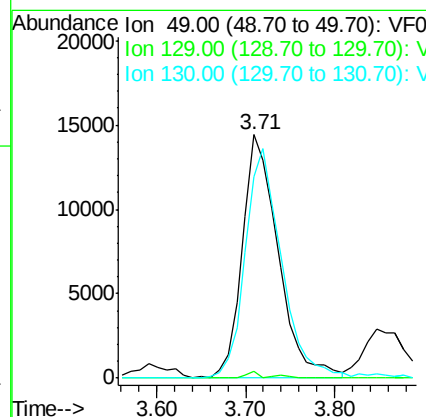
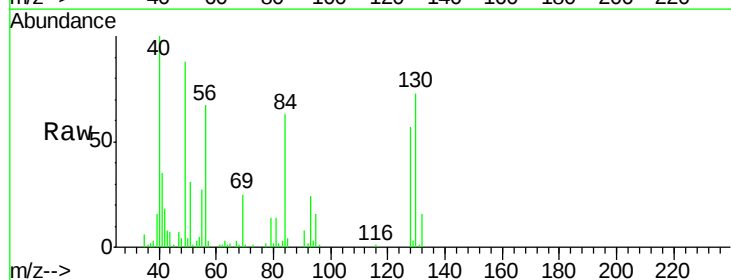
Tot Ion: 96 Resp: 69529
Ion Ratio Lower Upper
96 100
61 129.3 0.0 239.0
98 64.4 0.0 128.2

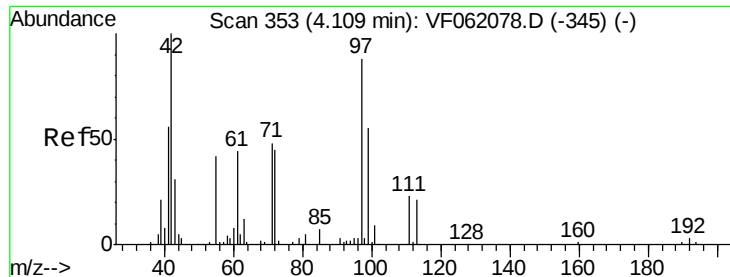


#28

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

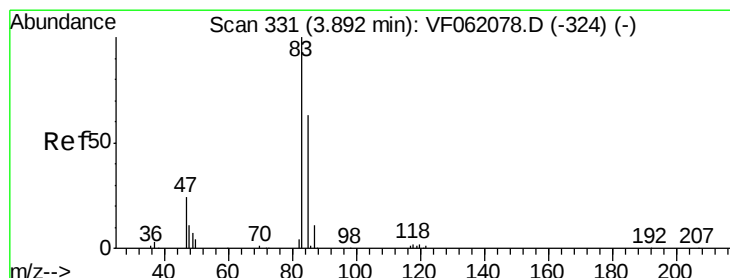
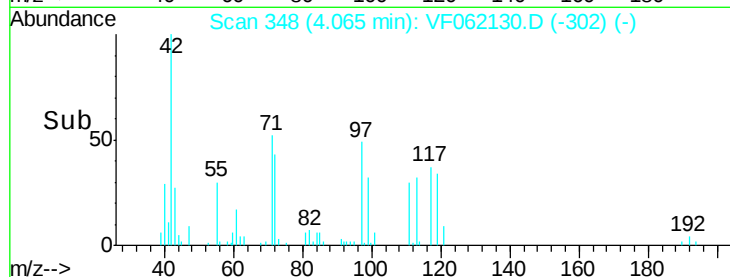
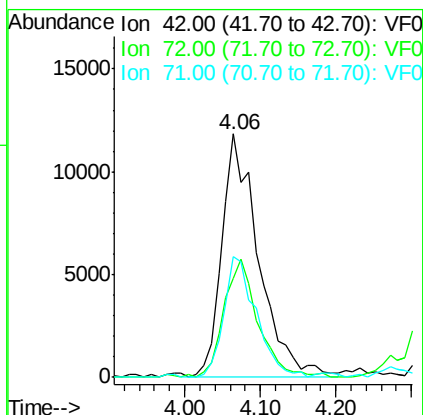
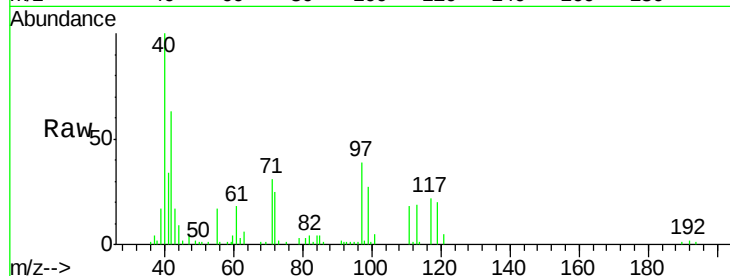




#29
Tetrahydrofuran
Concen: 112.193 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

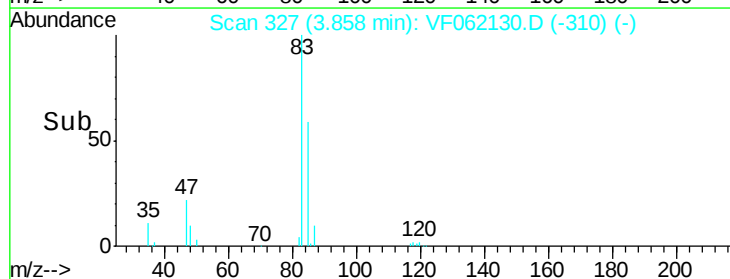
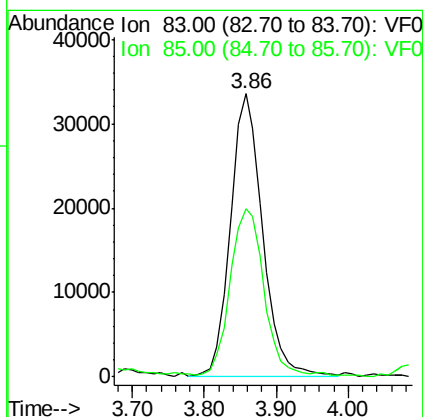
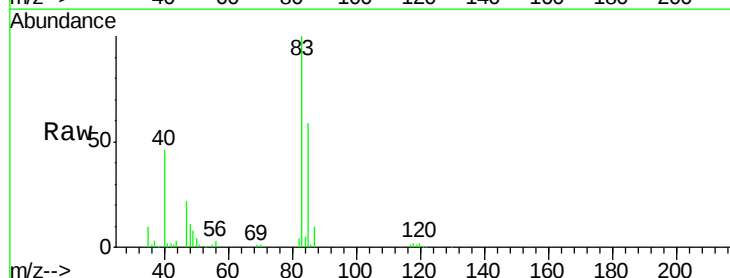
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

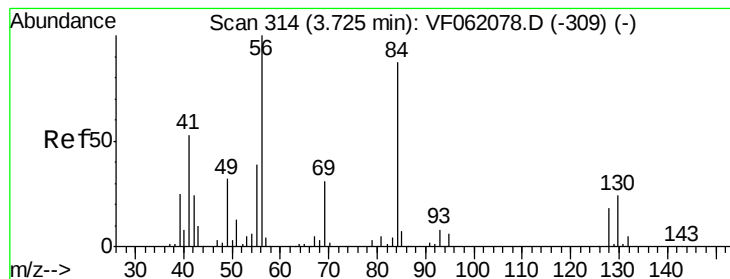
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	33.3	49.9
71	43.4	35.0	52.4



#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 :

VF0325SBS01

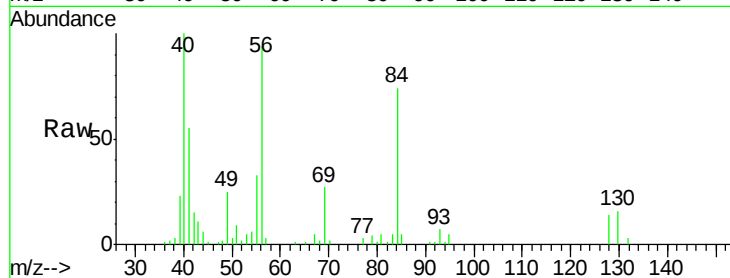
Tot Ion: 56 Resp: 68348

Ion Ratio Lower Upper

56 100

69 29.4 25.9 38.9

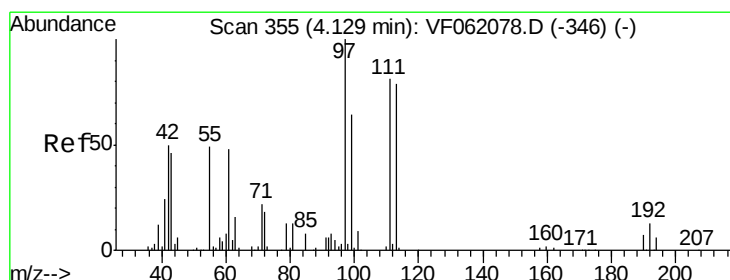
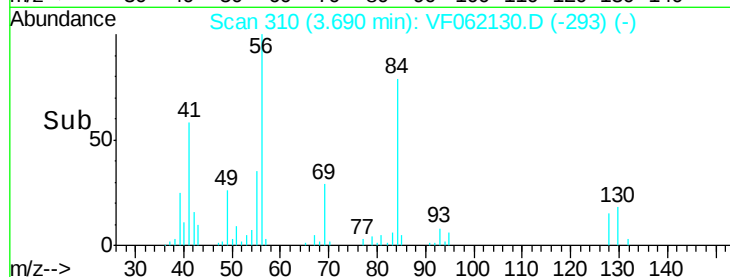
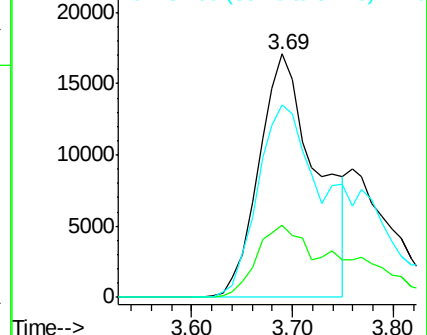
84 78.8 71.1 106.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#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

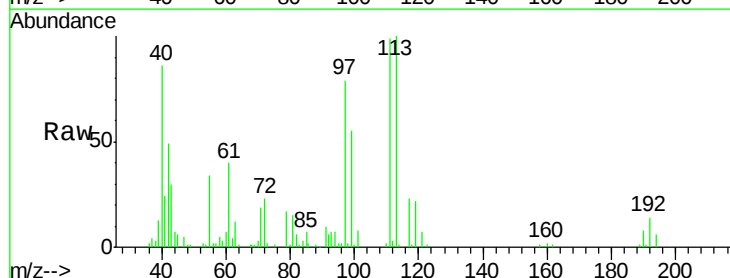
Tgt Ion: 97 Resp: 63912

Ion Ratio Lower Upper

97 100

99 69.4 51.3 76.9

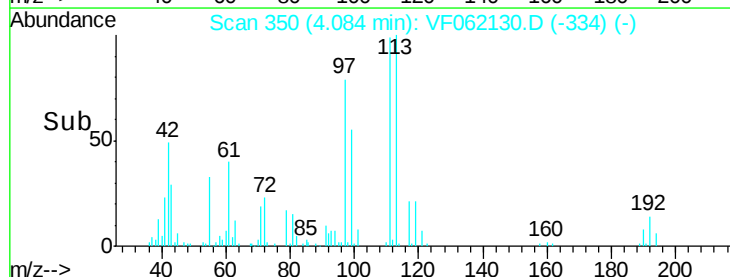
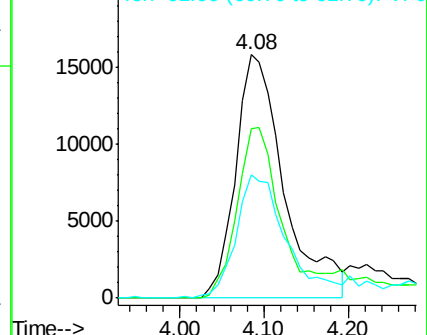
61 50.5 39.0 58.6

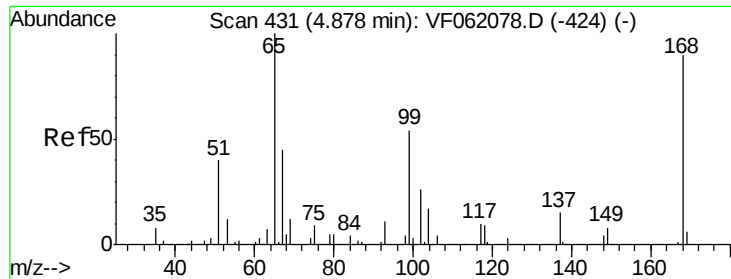


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

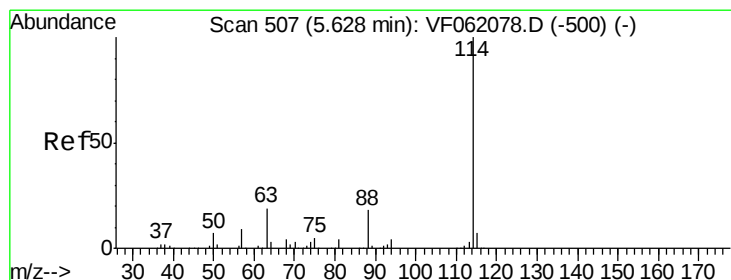
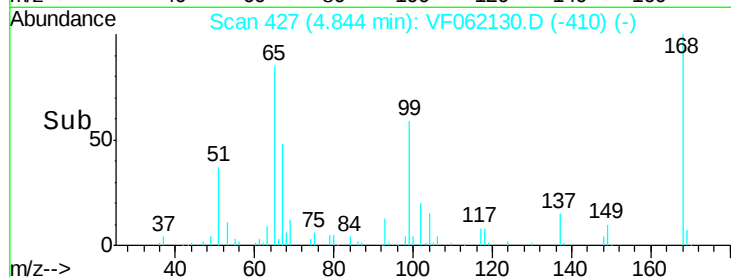
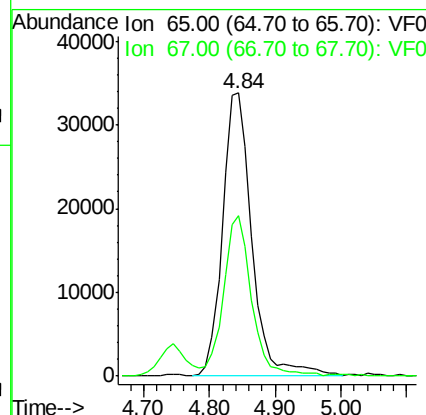
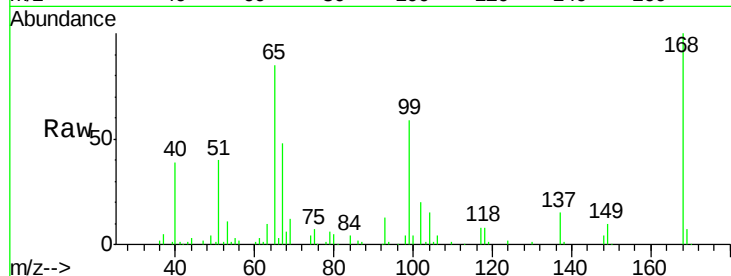




#33
 1,2-Dichloroethane-d4
 Concen: 56.301 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

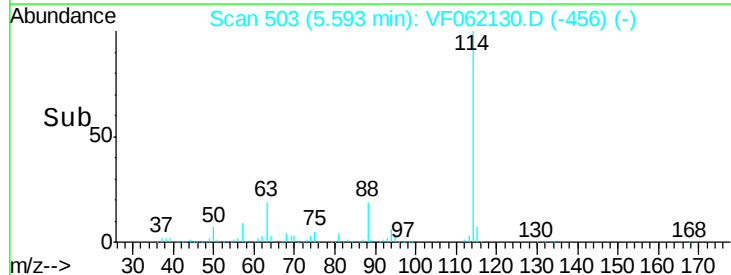
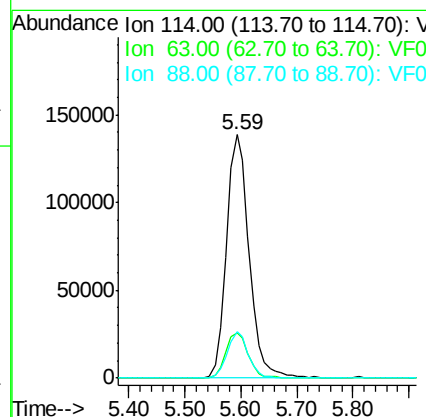
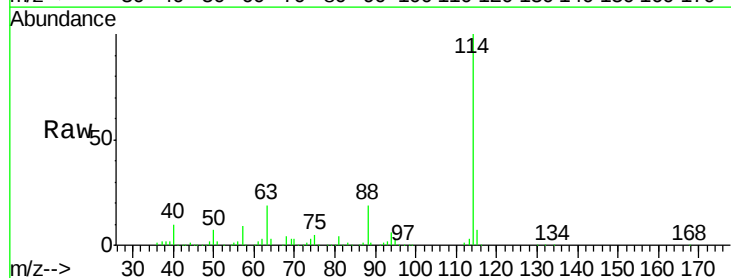
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBSD01

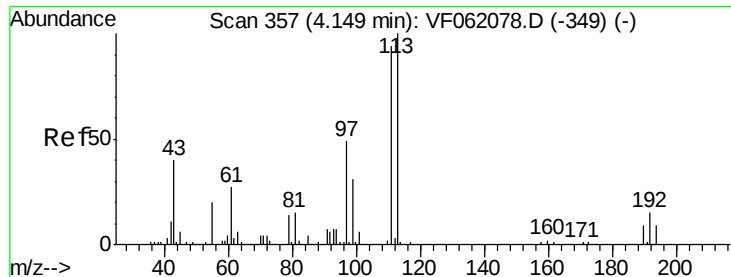
Tot Ion: 65 Resp: 105293
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 106.2



#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

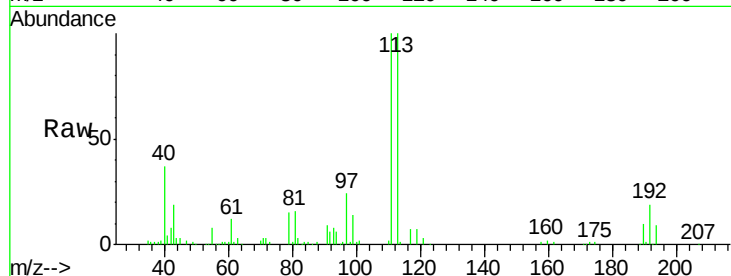




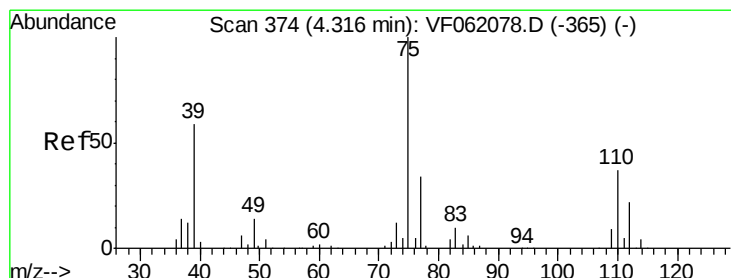
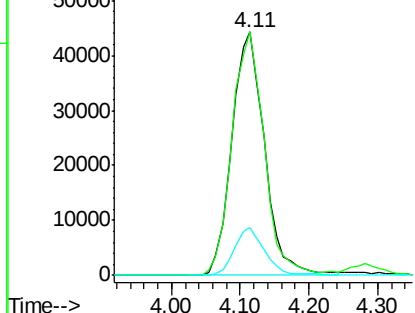
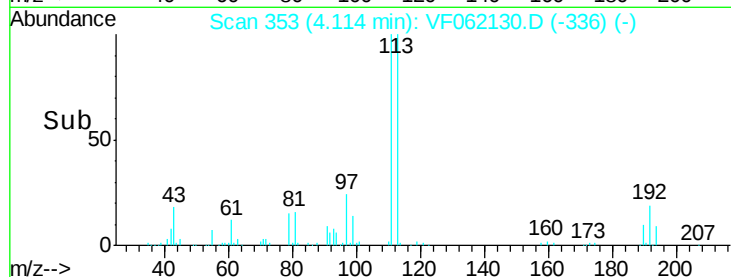
#35
Dibromofluoromethane
Concen: 55.297 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBSD01

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#

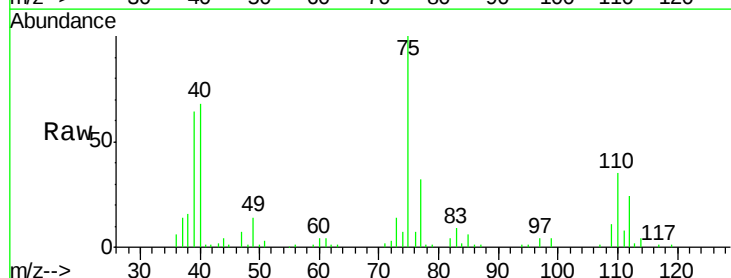


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

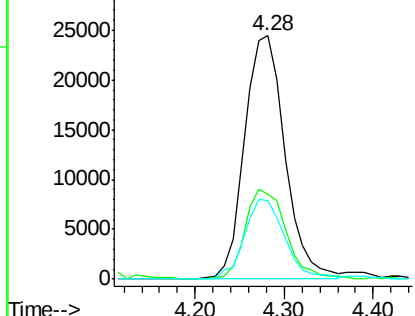
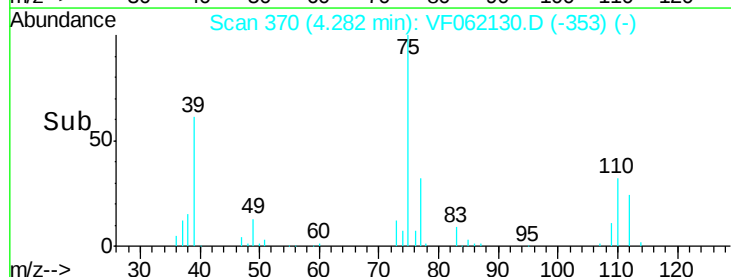


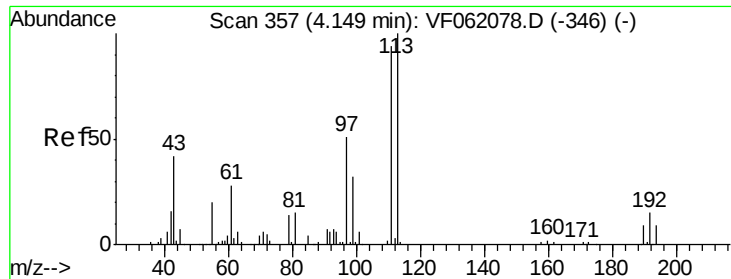
#36
1,1-Dichloropropene
Concen: 20.750 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

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

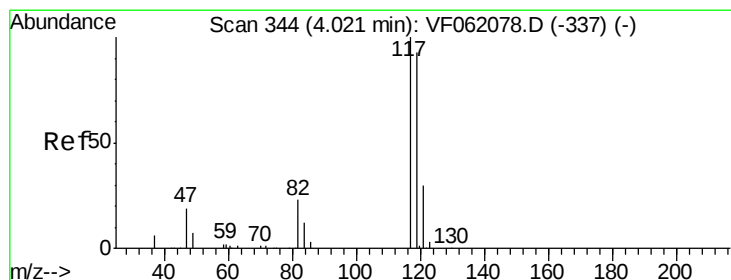
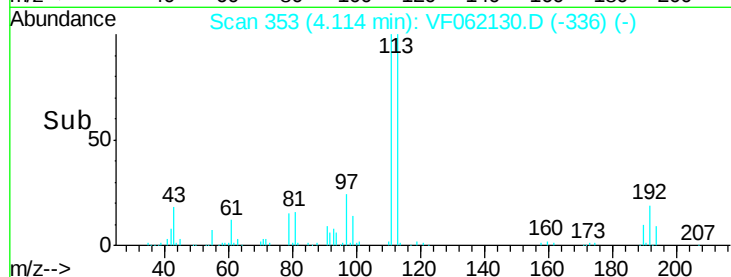
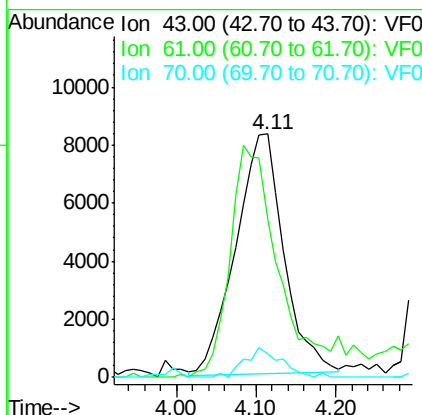
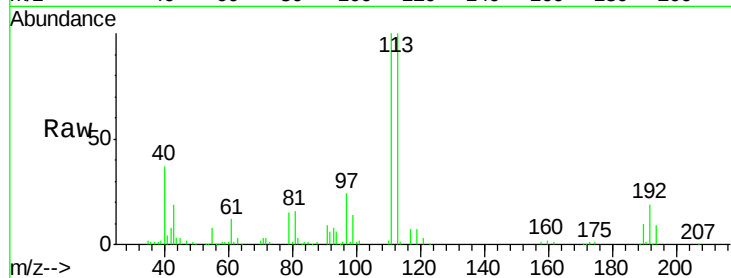




#37
Ethyl Acetate
Concen: 21.479 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

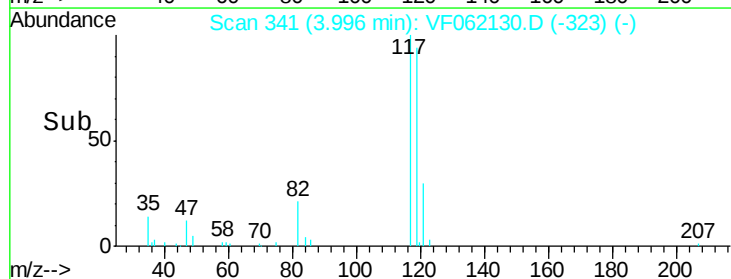
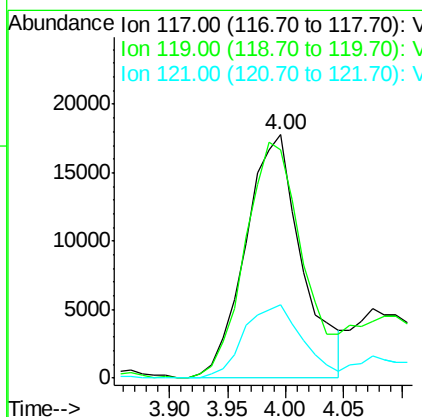
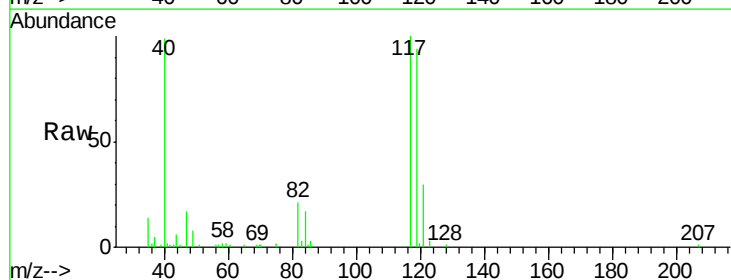
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

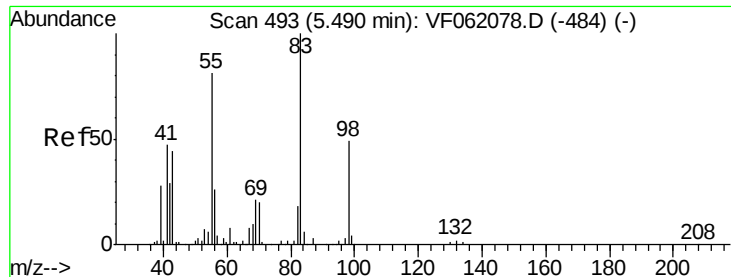
Tot Ion: 43 Resp: 34803
Ion Ratio Lower Upper
43 100
61 64.6 53.6 80.4
70 9.8 9.0 13.6



#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

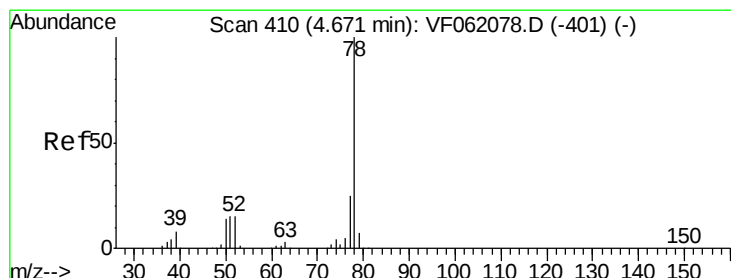
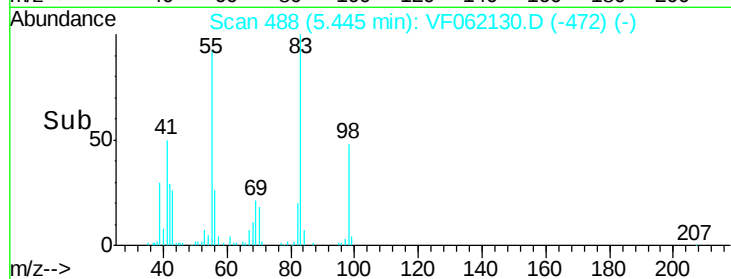
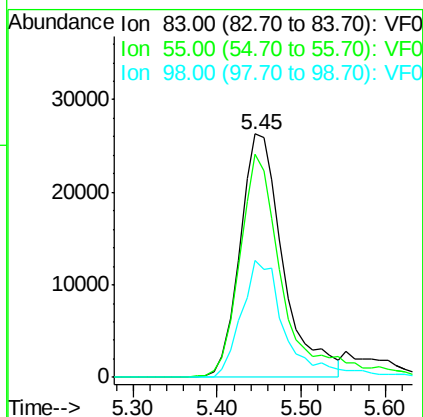
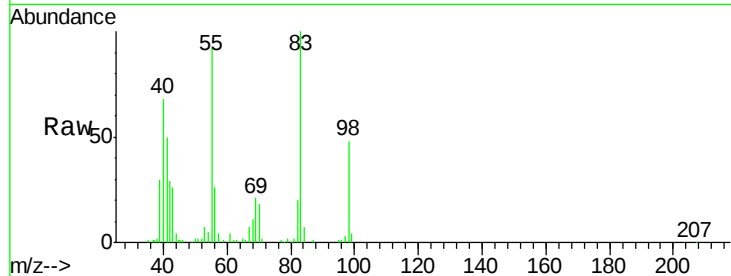




#39
Methvlcvclohexane
Concen: 21.911 ug/l
RT: 5.45 min Scan# 488
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

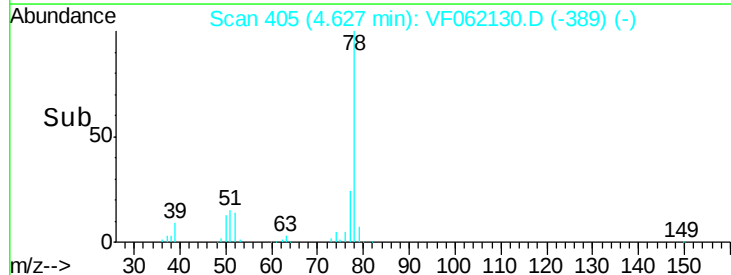
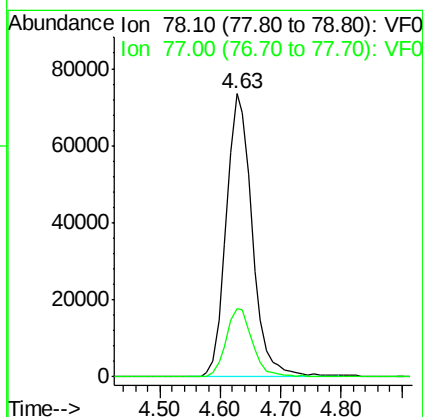
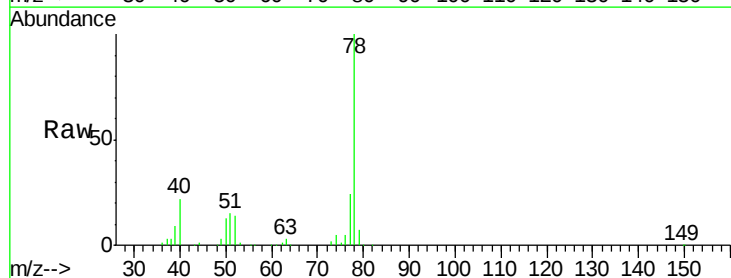
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBSD01

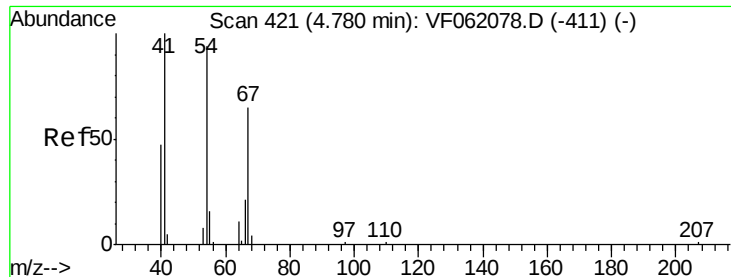
Tot Ion: 83 Resp: 94286
Ion Ratio Lower Upper
83 100
55 91.6 64.5 96.7
98 47.8 39.1 58.7



#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

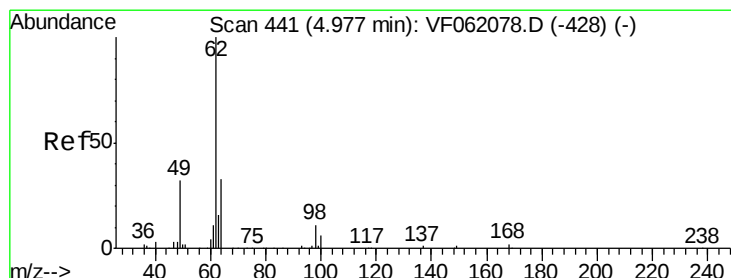
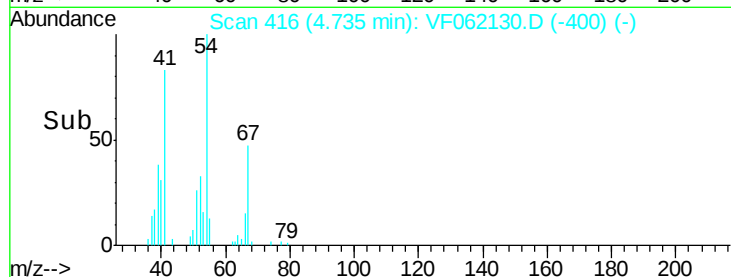
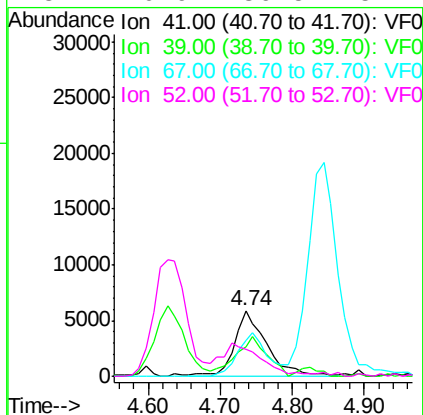
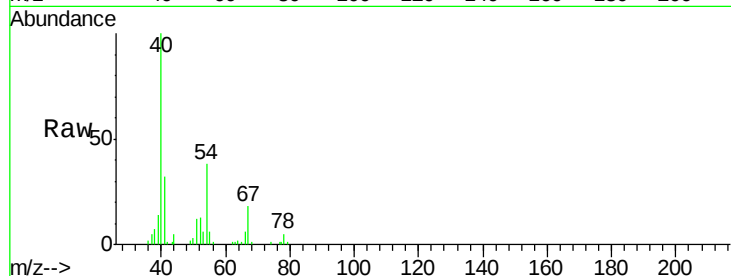




#41
Methacrylonitrile
Concen: 21.434 ug/l
RT: 4.74 min Scan# 416
Delta R.T. -0.04 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

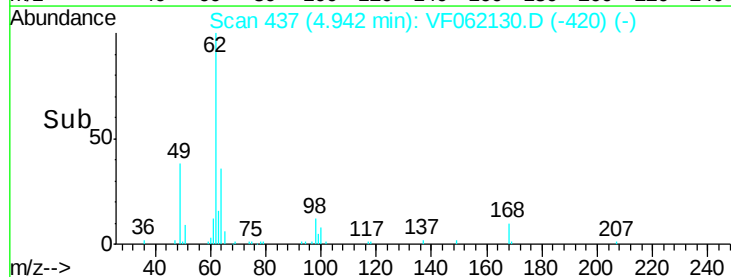
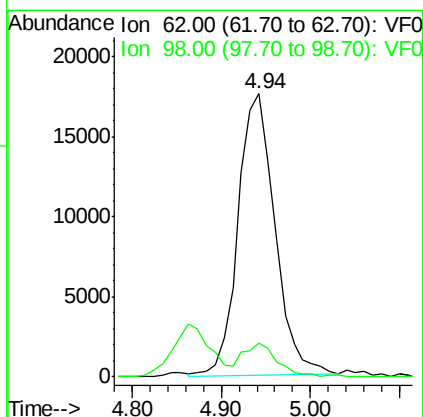
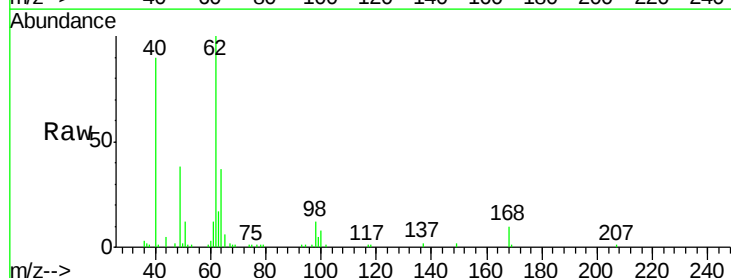
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

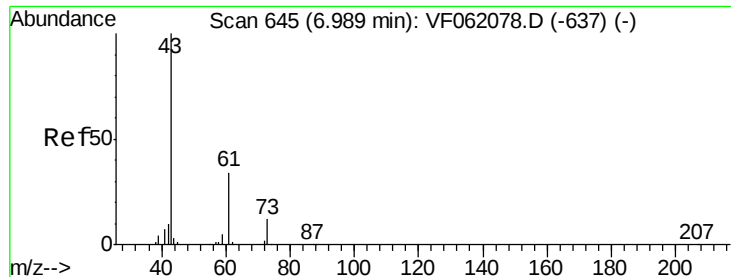
Tot Ion:	41	Resp:	18376
Ion	Ratio	Lower	Upper
41	100		
39	44.8	43.5	65.3
67	55.1	51.6	77.4
52	40.9	36.5	54.7



#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



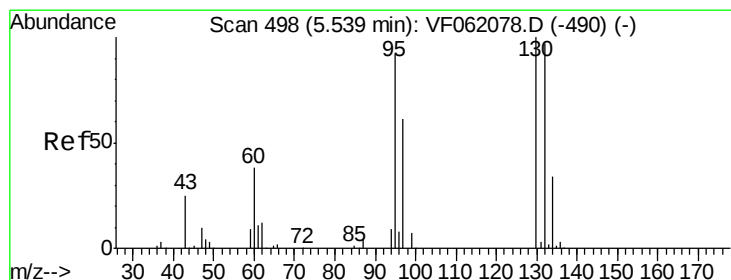
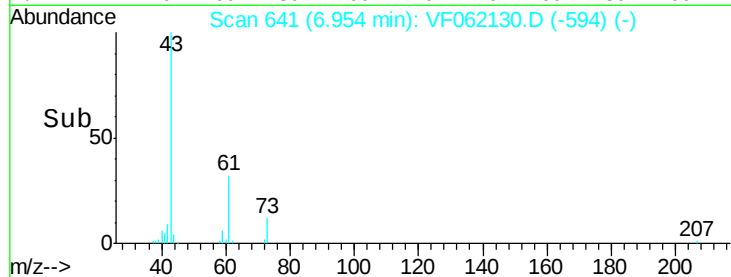
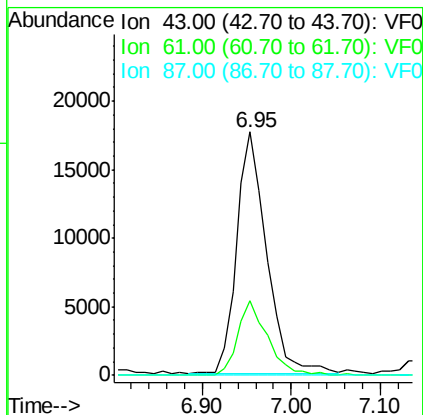
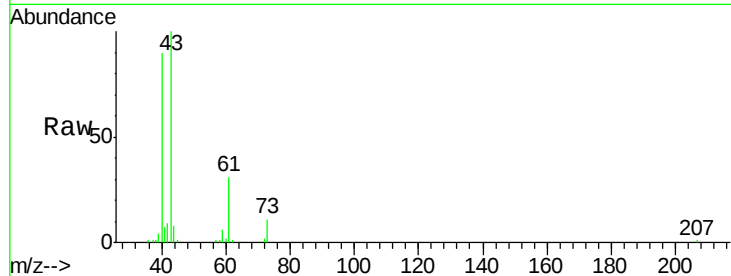


#43

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 :
 VF0325SBS01

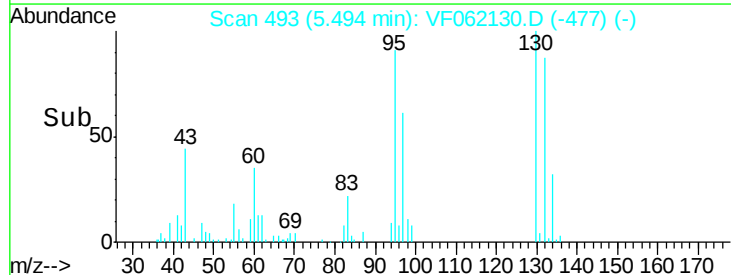
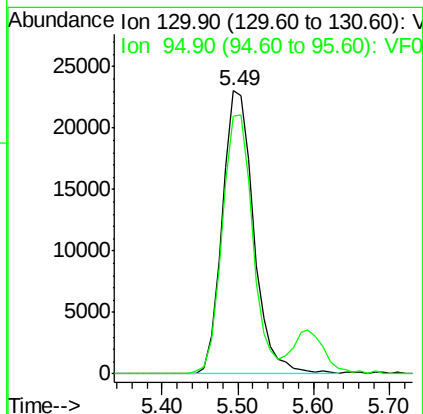
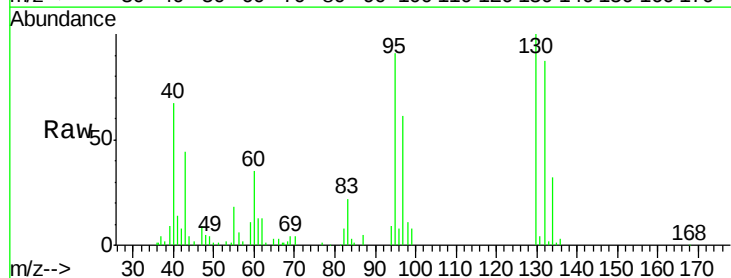
Tot Ion: 43 Resp: 41345
 Ion Ratio Lower Upper
 43 100
 61 30.8 27.0 40.4
 87 0.0 0.4 0.6#

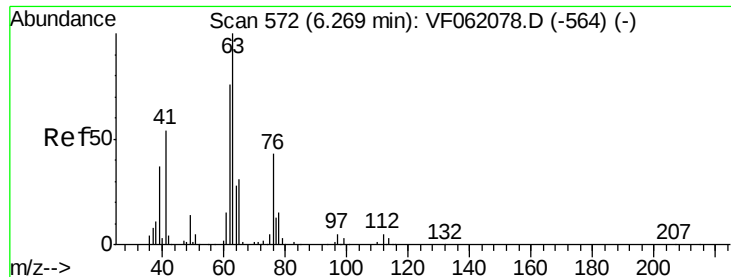


#44

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

ClientSampleId :

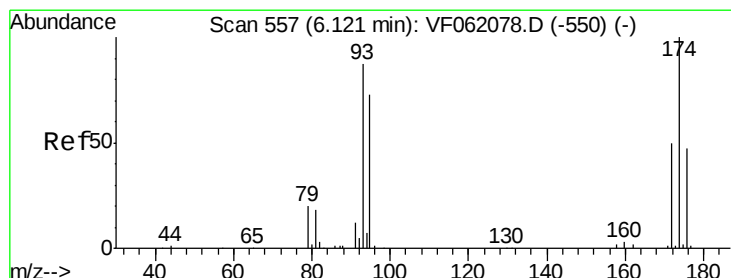
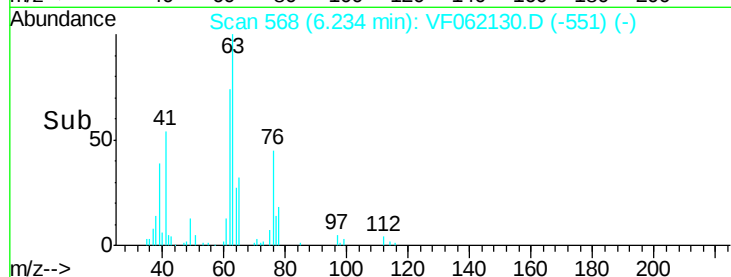
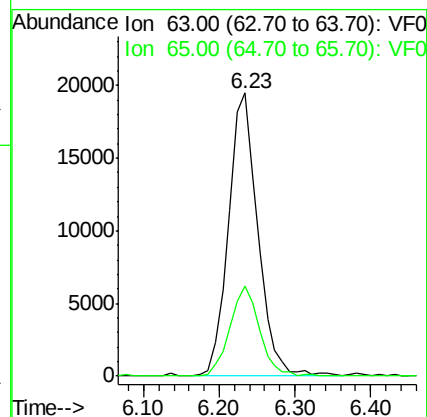
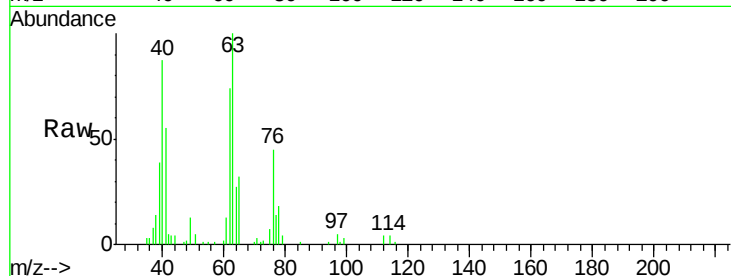
VF0325SBS01

Tot Ion: 63 Resp: 52333

Ion Ratio Lower Upper

63 100

65 31.6 24.9 37.3



#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

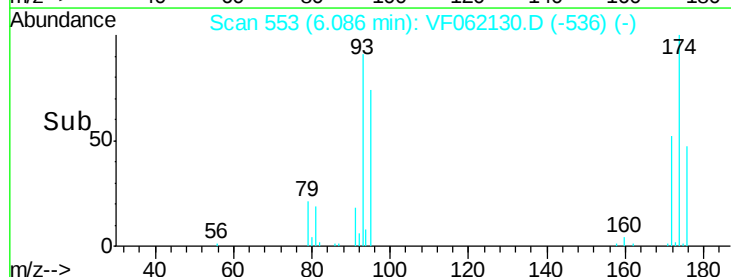
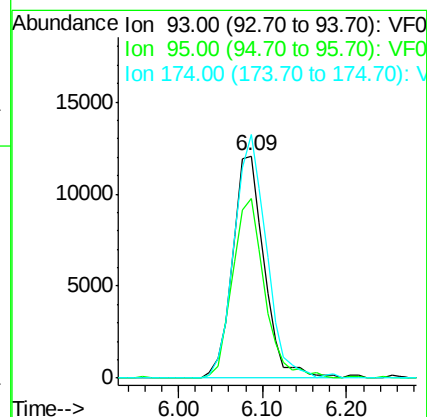
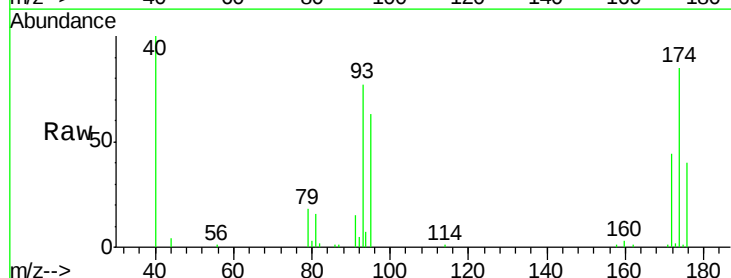
Tgt Ion: 93 Resp: 31707

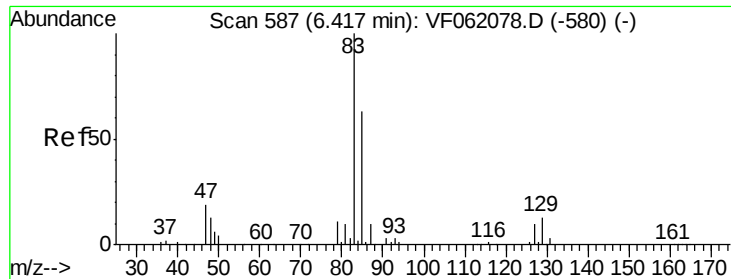
Ion Ratio Lower Upper

93 100

95 81.0 67.4 101.2

174 109.6 92.0 138.0





#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 :

VF0325SBS01

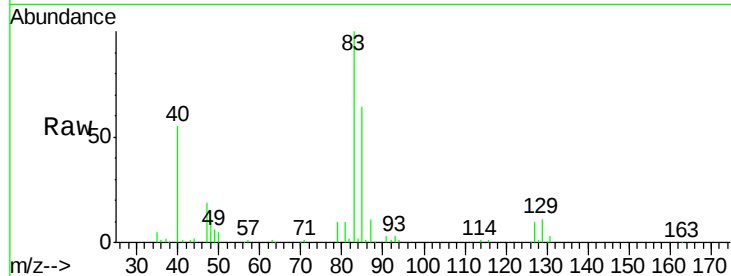
Tot Ion: 83 Resp: 70691

Ion Ratio Lower Upper

83 100

85 64.3 50.7 76.1

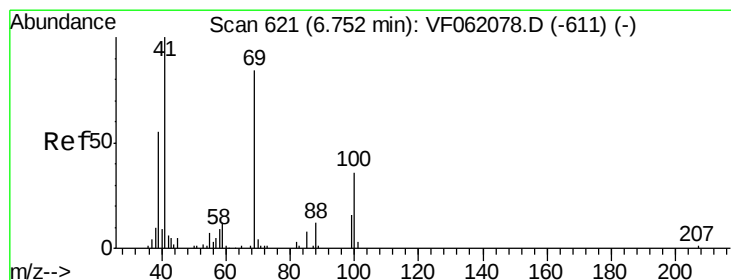
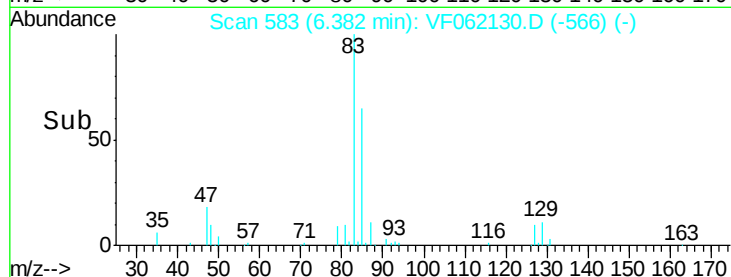
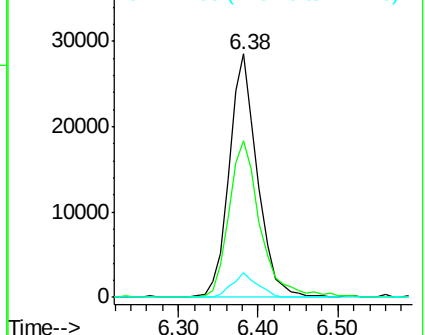
127 10.3 7.8 11.6



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

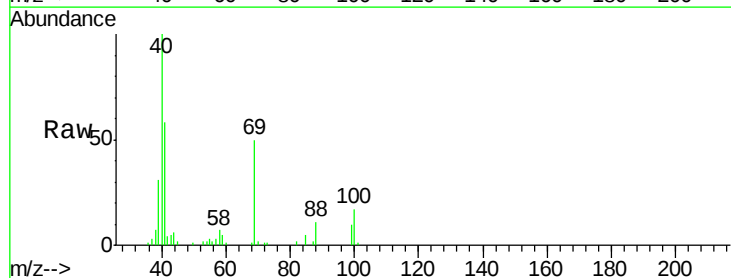
Tgt Ion: 41 Resp: 25273

Ion Ratio Lower Upper

41 100

69 86.5 66.6 100.0

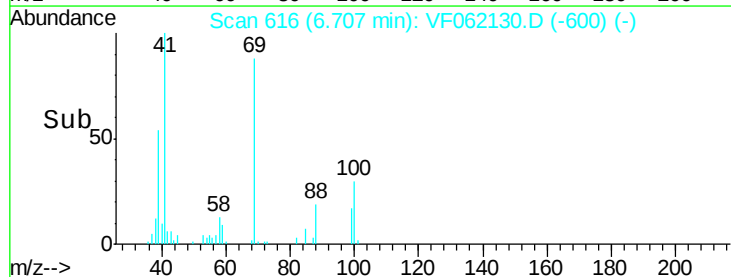
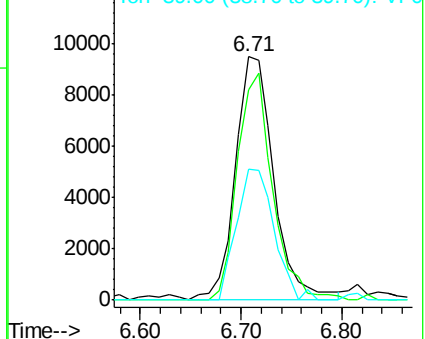
39 53.7 43.6 65.4

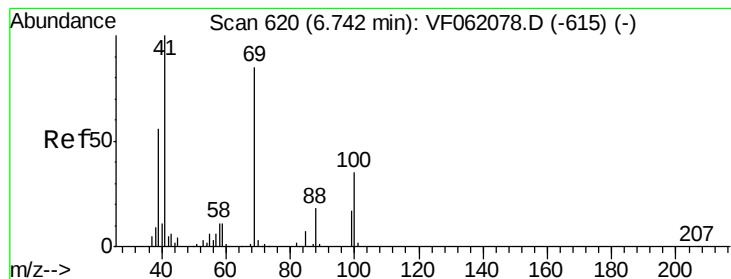


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

ClientSampleId :

VF0325SBS01

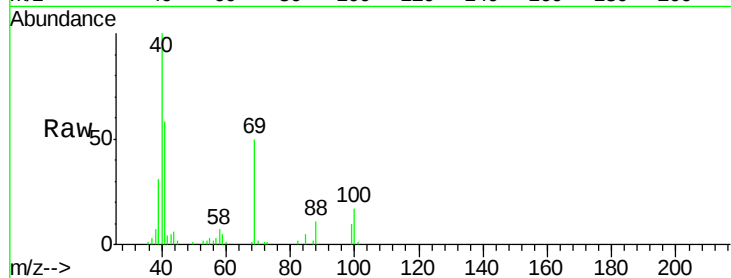
Tot Ion: 88 Resp: 4944

Ion Ratio Lower Upper

88 100

43 49.1 35.0 52.4

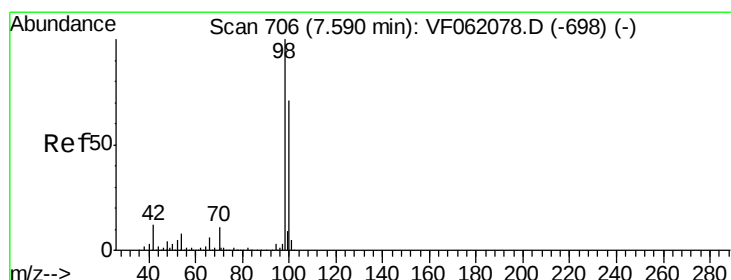
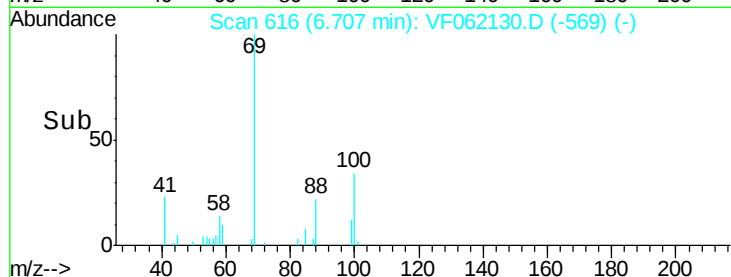
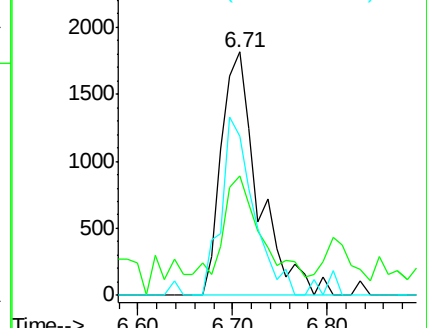
58 65.4 49.9 74.9



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 52.690 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.04 min

Lab File: VF062130.D

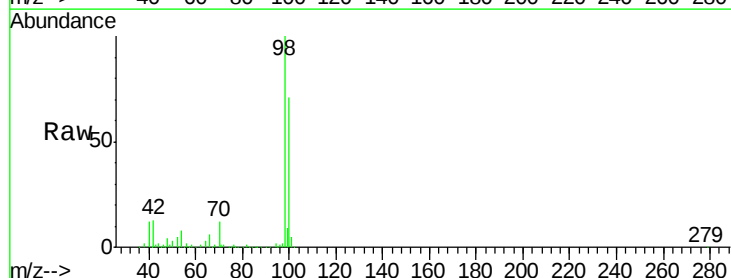
Acq: 25 Mar 2019 14:31

Tgt Ion: 98 Resp: 414143

Ion Ratio Lower Upper

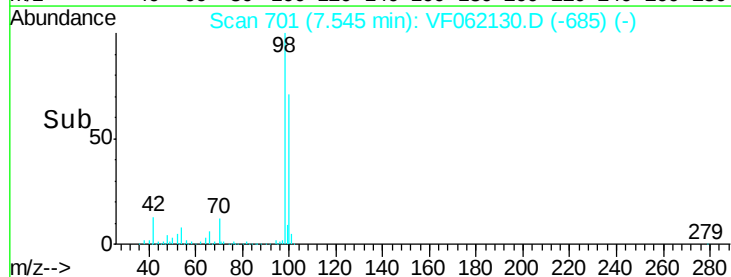
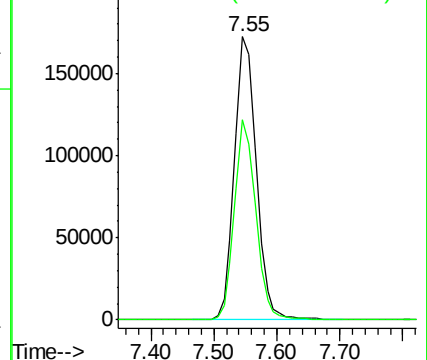
98 100

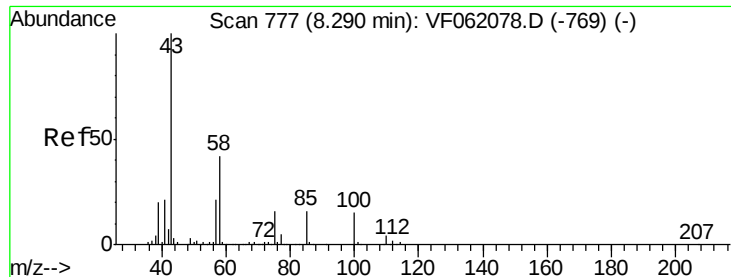
100 70.6 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 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 :

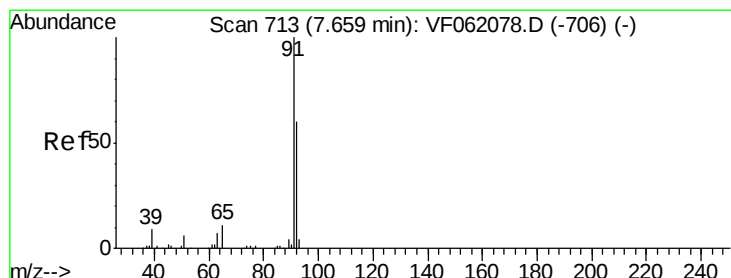
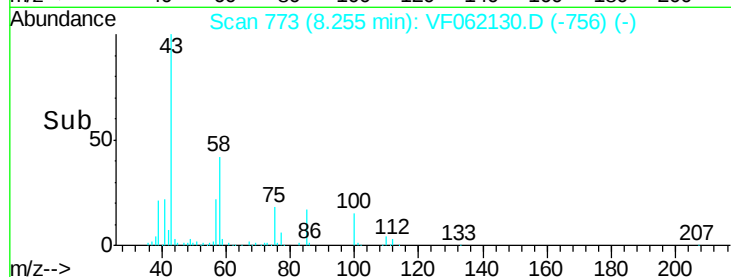
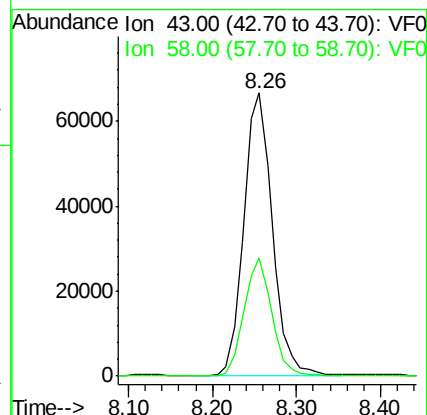
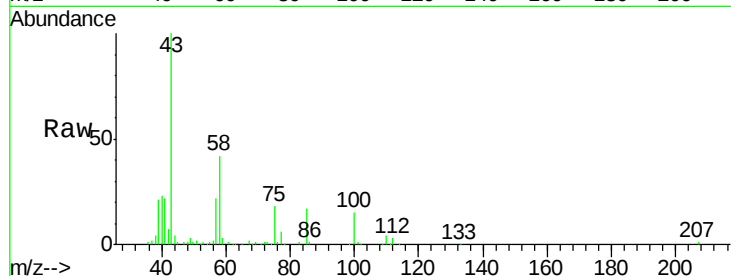
VF0325SBSD01

Tot Ion: 43 Resp: 157958

Ion Ratio Lower Upper

43 100

58 41.9 33.8 50.8



#52

Toluene

Concen: 21.955 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.03 min

Lab File: VF062130.D

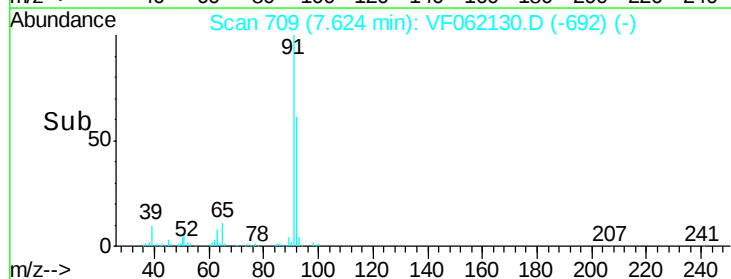
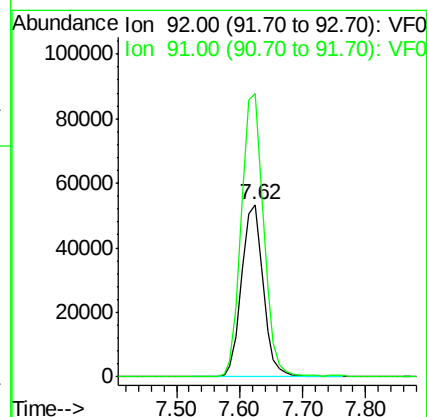
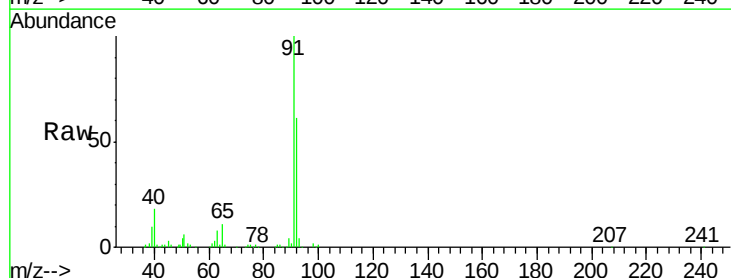
Acq: 25 Mar 2019 14:31

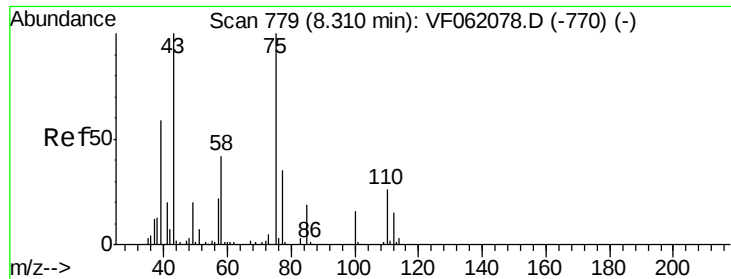
Tgt Ion: 92 Resp: 126393

Ion Ratio Lower Upper

92 100

91 164.4 134.1 201.1

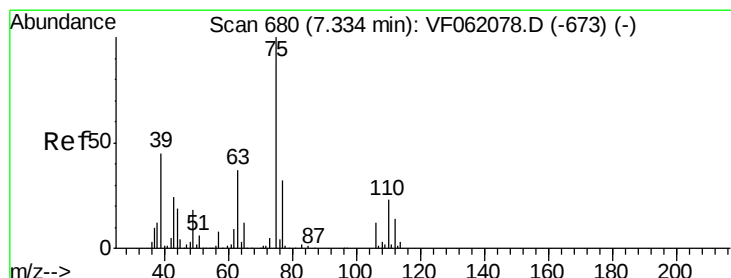
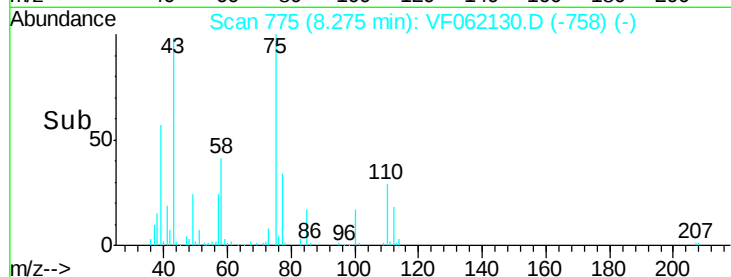
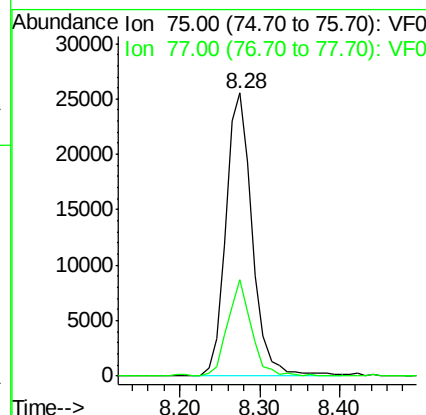
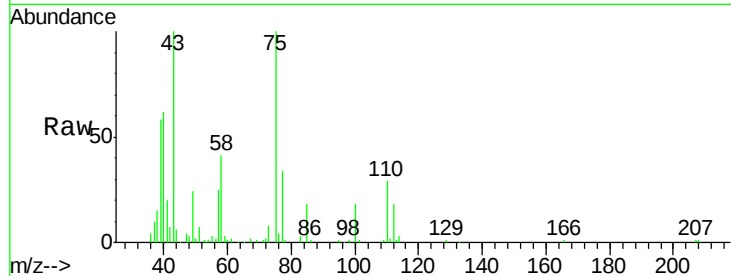




#53
 t-1,3-Dichloropropene
 Concen: 23.757 ug/l
 RT: 8.28 min Scan# 775
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

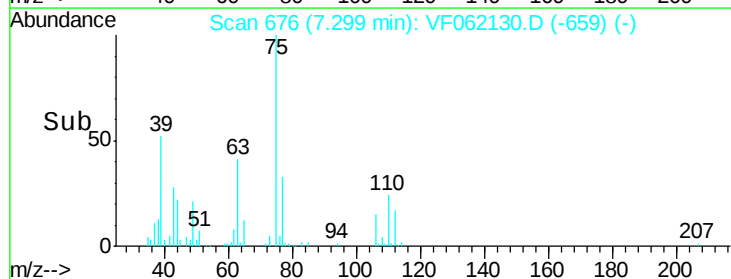
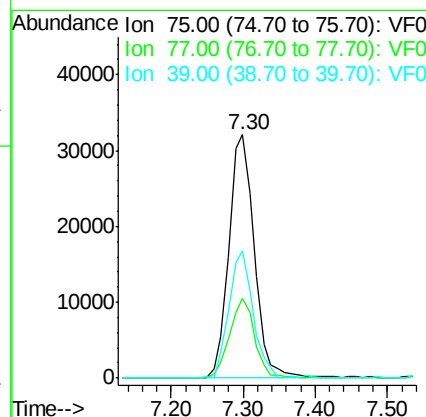
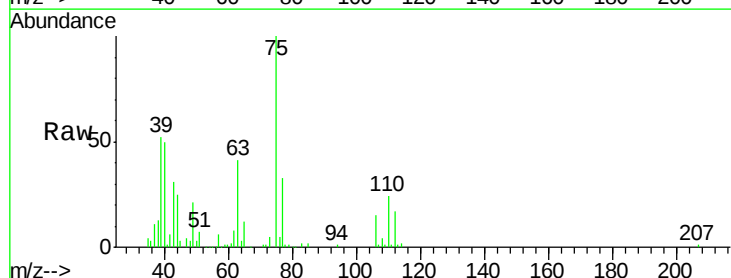
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBSD01

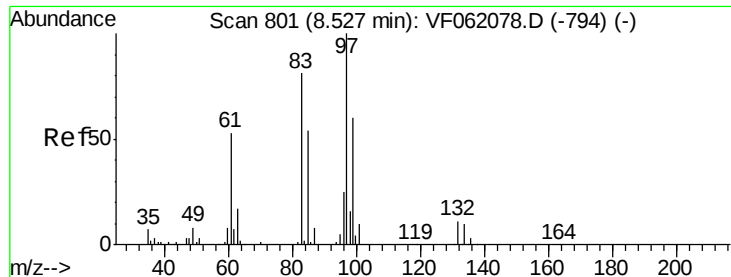
Tot Ion: 75 Resp: 59877
 Ion Ratio Lower Upper
 75 100
 77 34.0 28.0 42.0



#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

ClientSampleId :

VF0325SBS01

Tot Ion: 97 Resp: 35848

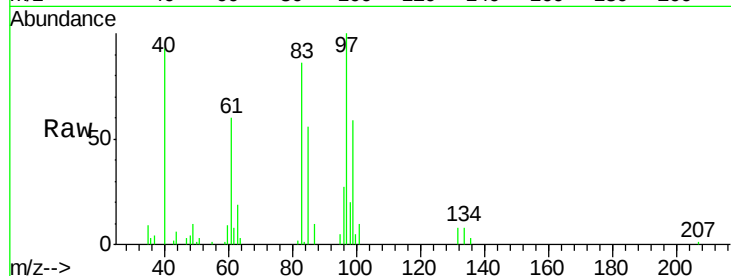
Ion Ratio Lower Upper

97 100

83 85.6 64.6 97.0

85 55.8 43.6 65.4

99 58.6 48.2 72.2

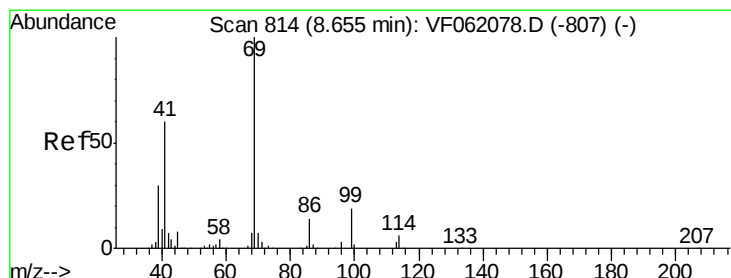
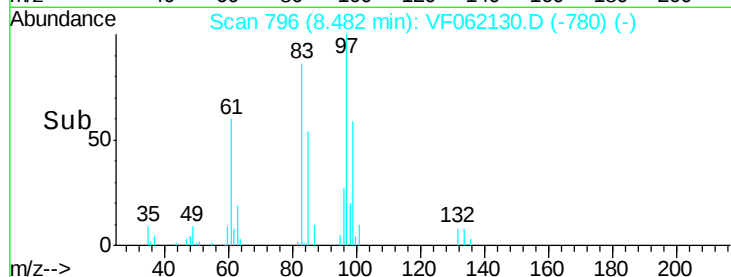
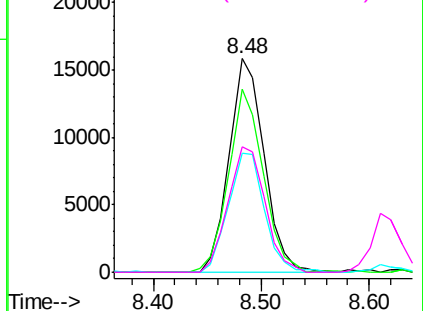


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

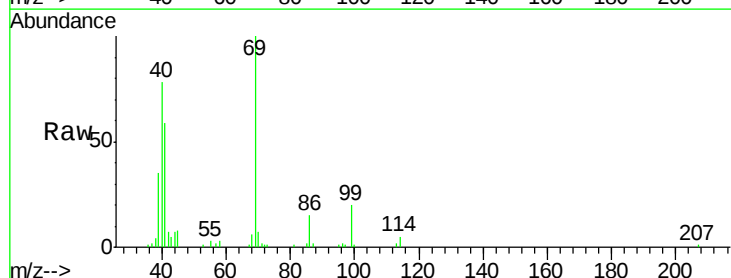
Tgt Ion: 69 Resp: 43450

Ion Ratio Lower Upper

69 100

41 59.2 48.2 72.2

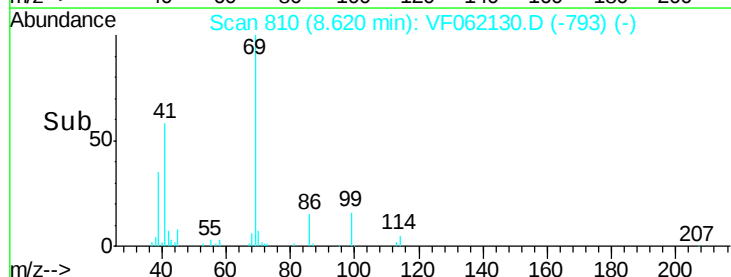
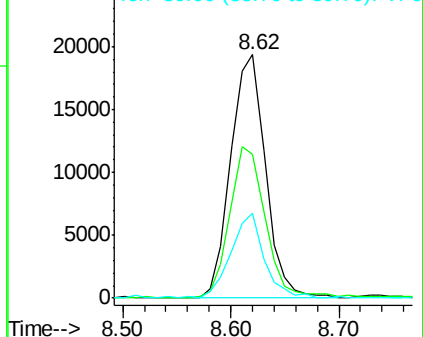
39 34.6 24.0 36.0

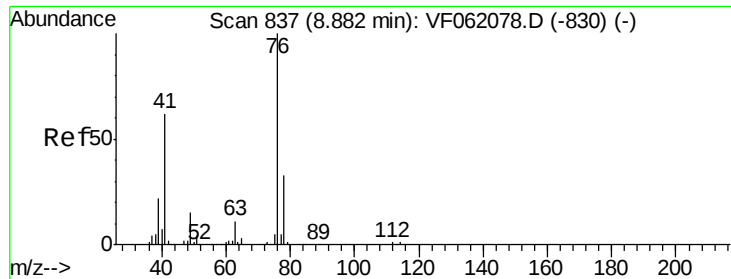


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

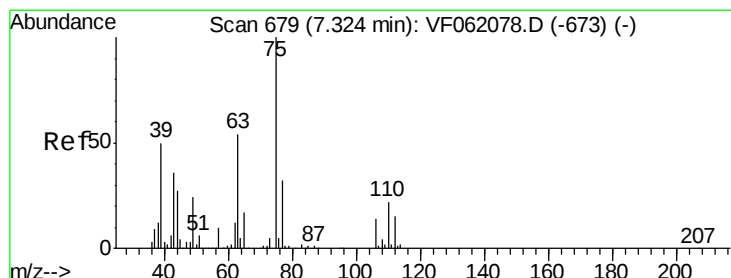
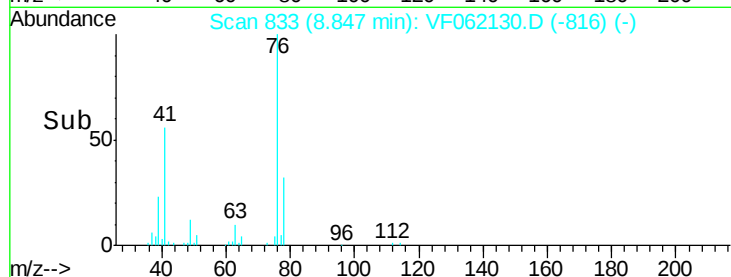
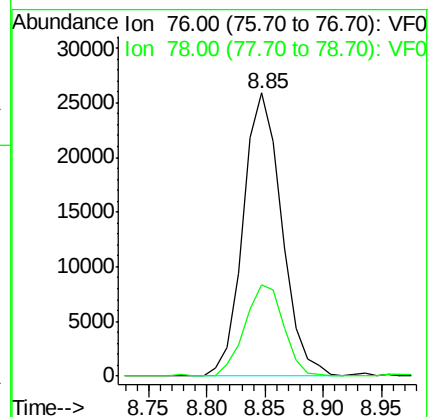
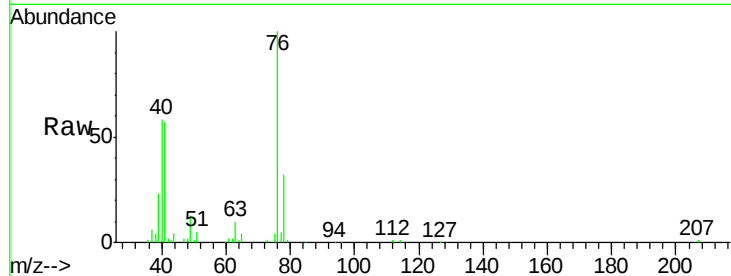
VF0325SBSD01

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

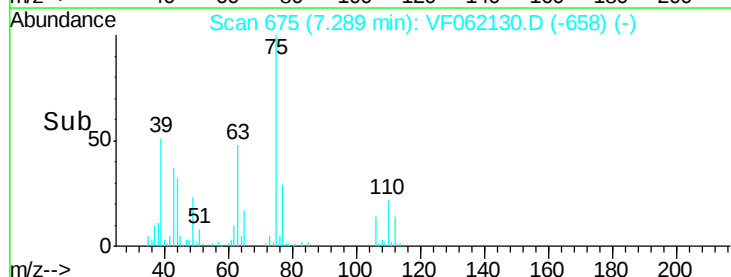
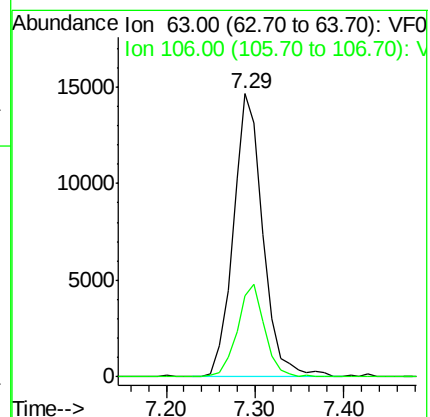
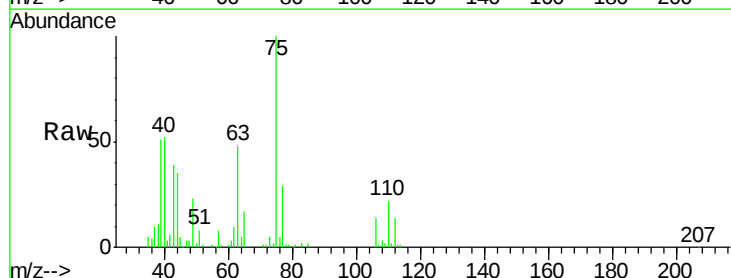
Acq: 25 Mar 2019 14:31

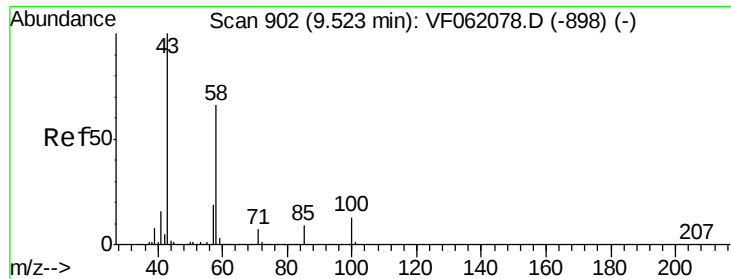
Tgt Ion: 63 Resp: 34014

Ion Ratio Lower Upper

63 100

106 28.7 21.5 32.3

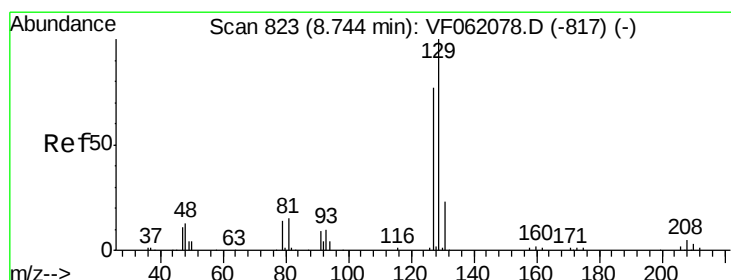
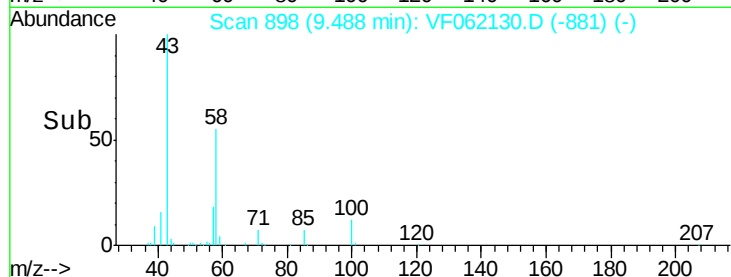
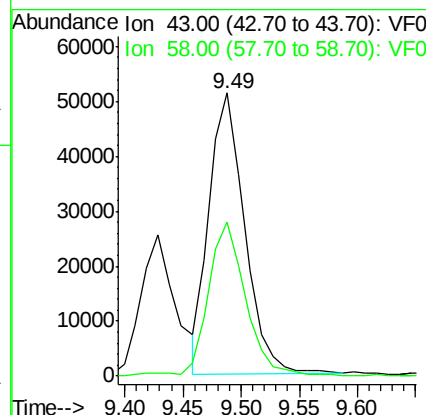
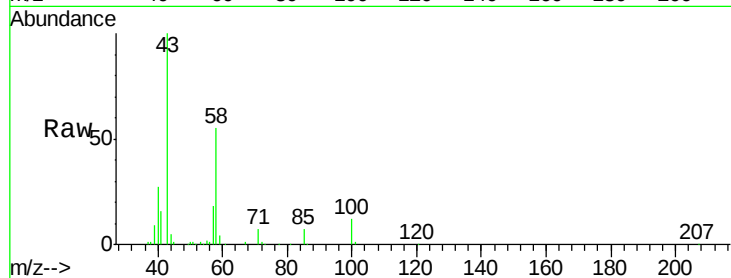




#59
2-Hexanone
Concen: 112.891 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

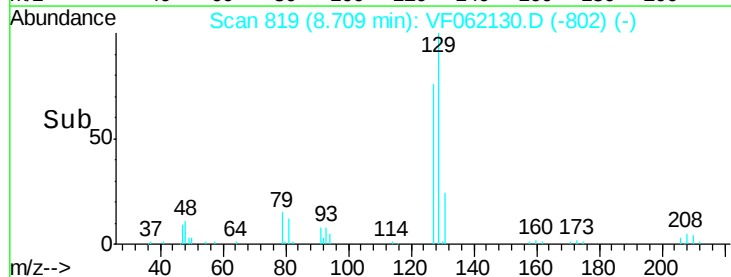
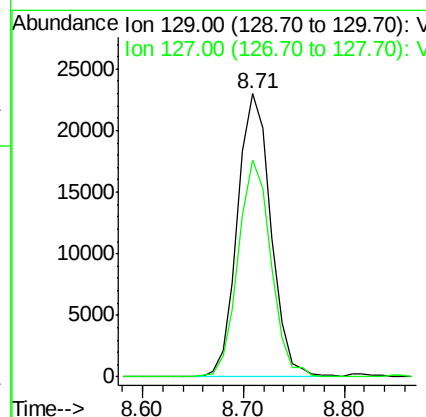
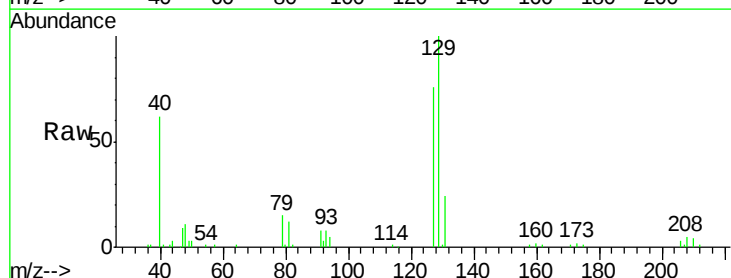
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBSD01

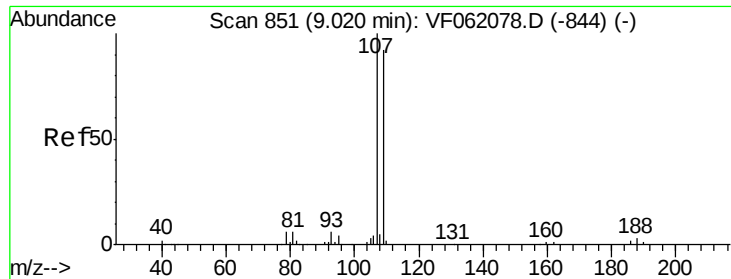
Tot Ion: 43 Resp: 108670
Ion Ratio Lower Upper
43 100
58 54.5 28.8 86.4



#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 :

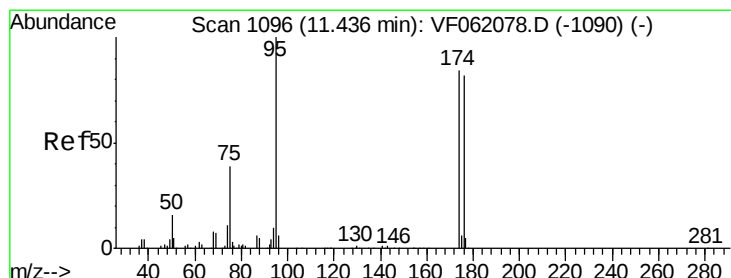
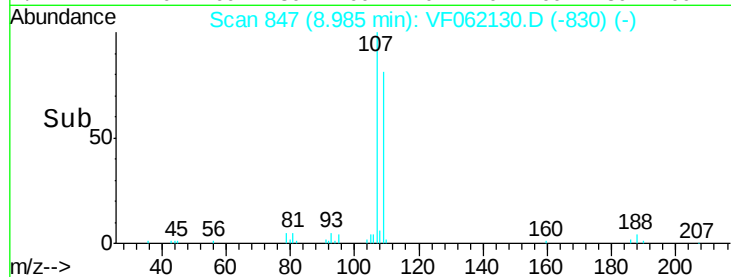
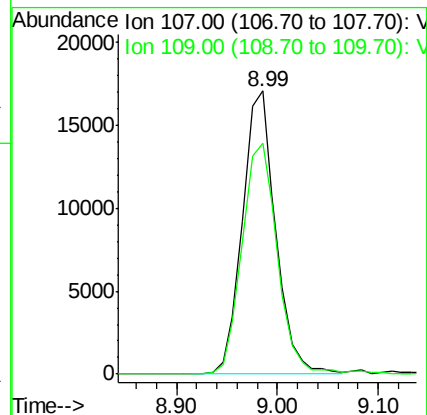
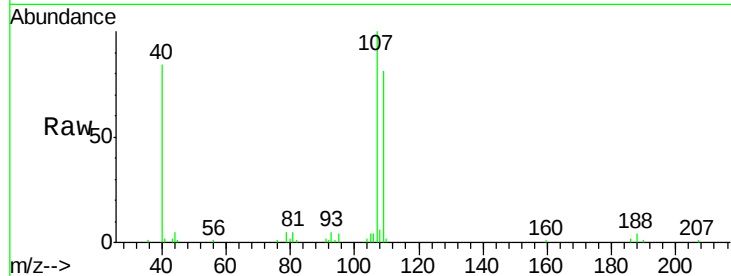
VF0325SBS01

Tot Ion:107 Resp: 39175

Ion Ratio Lower Upper

107 100

109 81.5 73.4 110.0



#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

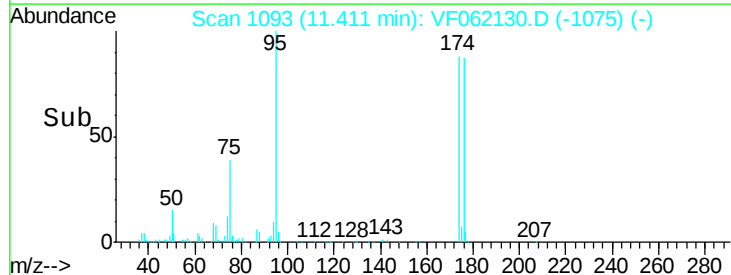
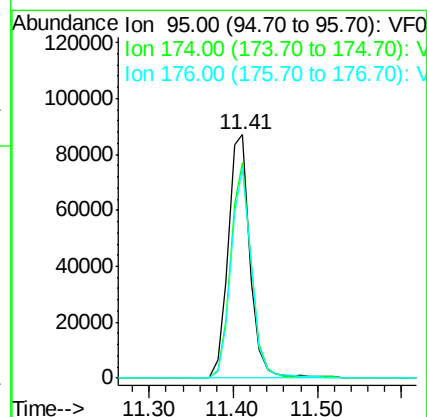
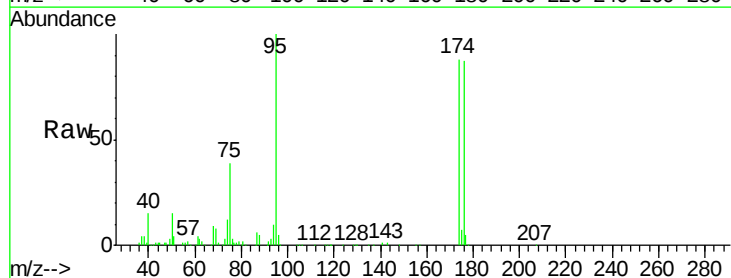
Tgt Ion: 95 Resp: 157457

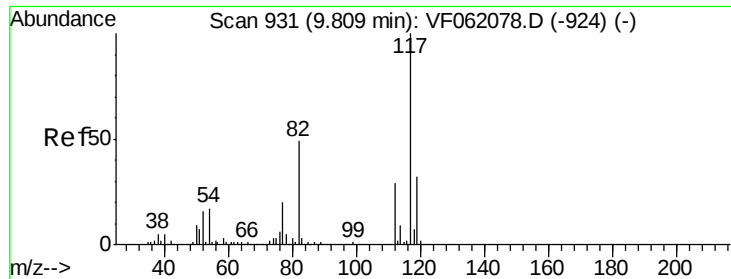
Ion Ratio Lower Upper

95 100

174 88.4 0.0 168.2

176 86.5 0.0 164.2

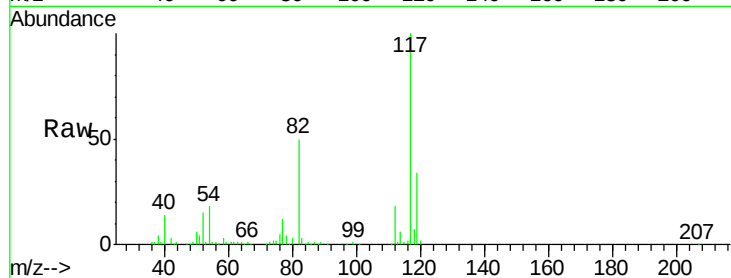




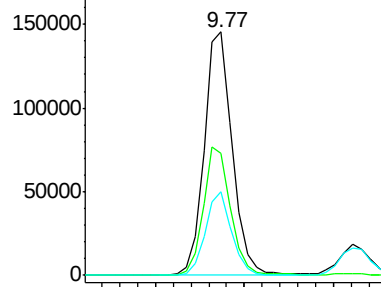
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

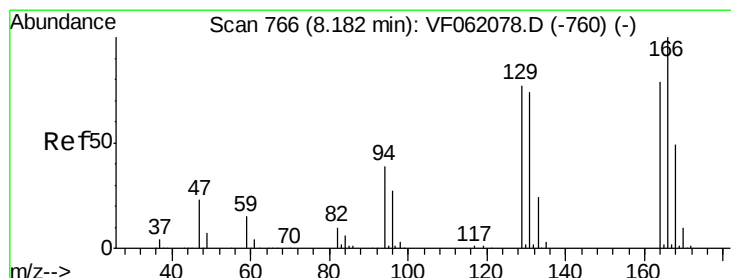
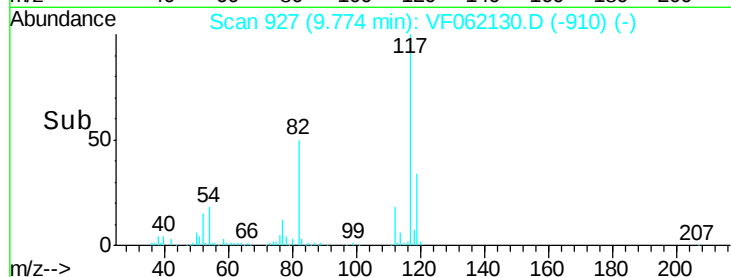
Tot Ion:117 Resp: 320180
Ion Ratio Lower Upper
117 100
82 50.0 39.2 58.8
119 34.4 25.4 38.2



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

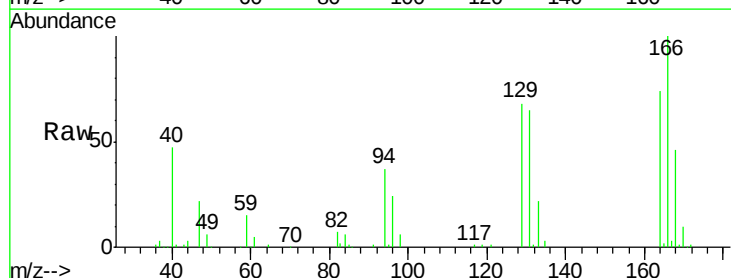


Time-->

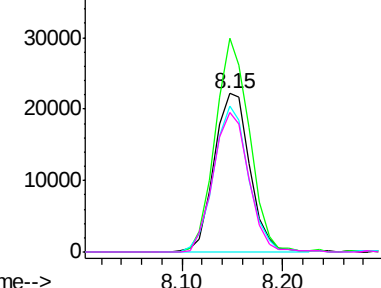


#64
Tetrachloroethene
Concen: 22.242 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

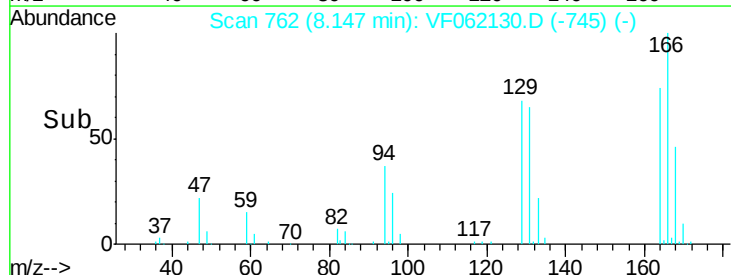
Tgt Ion:164 Resp: 55018
Ion Ratio Lower Upper
164 100
166 134.6 100.9 151.3
129 92.0 77.9 116.9
131 87.9 74.6 112.0



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



Time-->

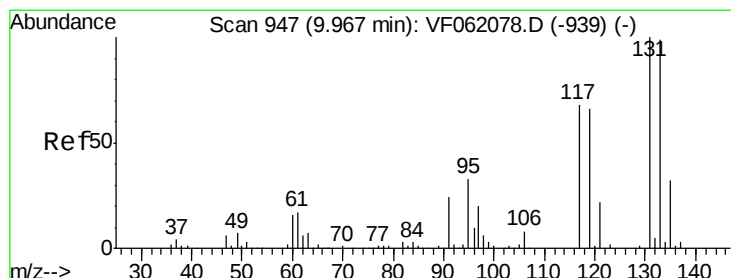
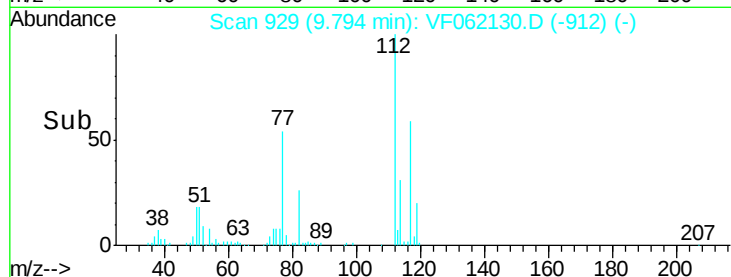
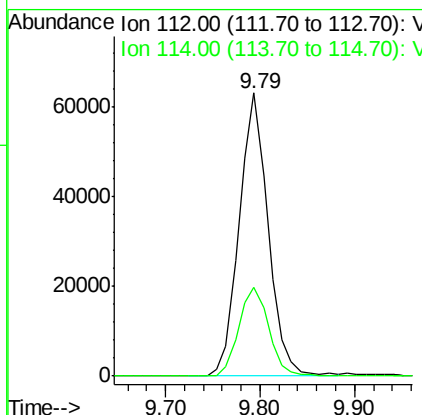
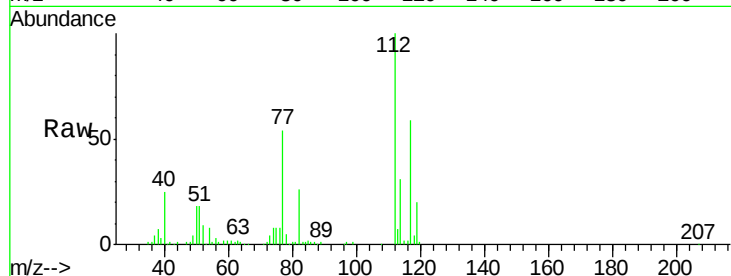




#65
Chlorobenzene
Concen: 22.352 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

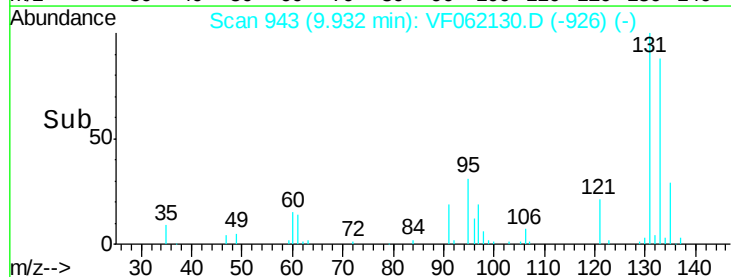
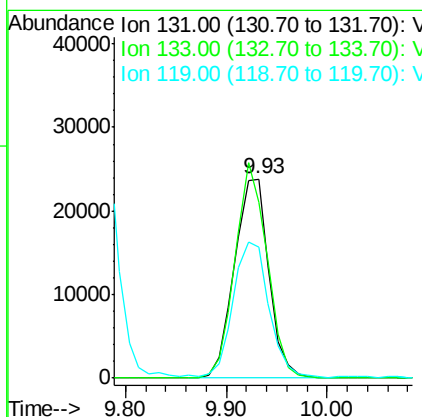
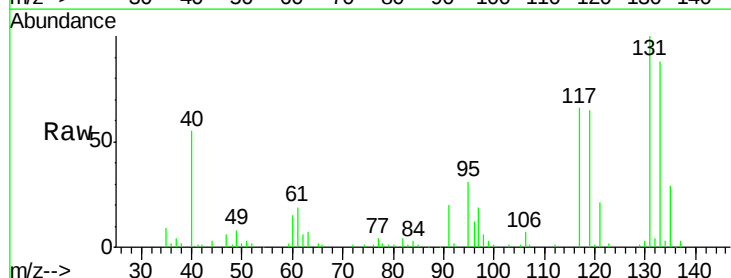
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBSD01

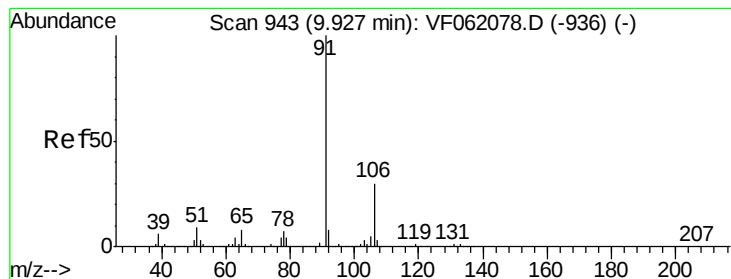
Tot Ion:112 Resp: 133908
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0



#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

ClientSampleId :

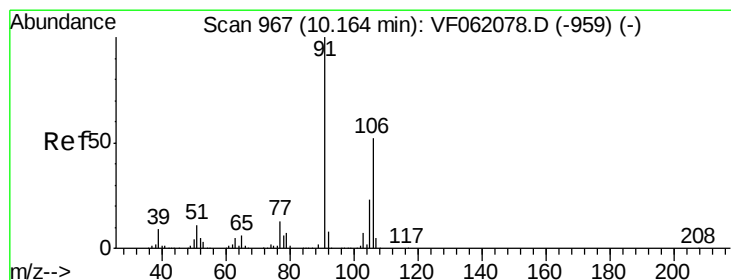
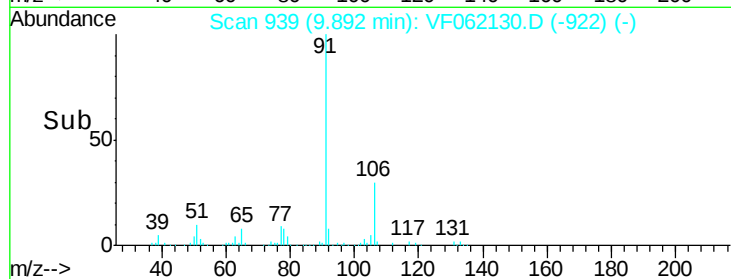
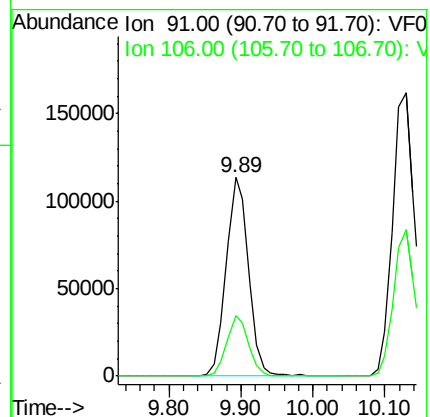
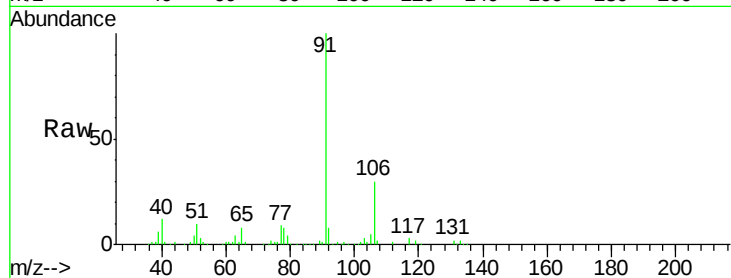
VF0325SBS01

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

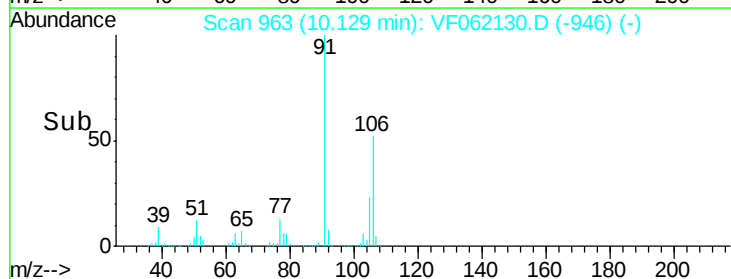
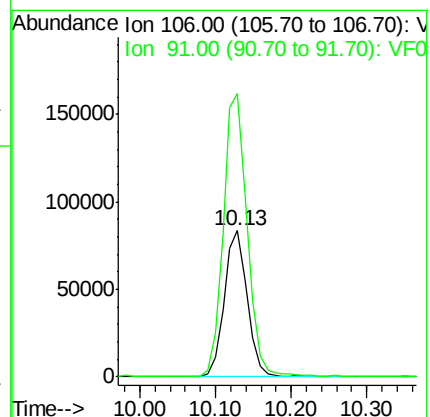
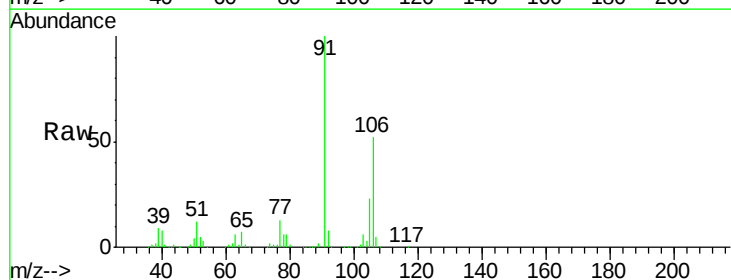
Acq: 25 Mar 2019 14:31

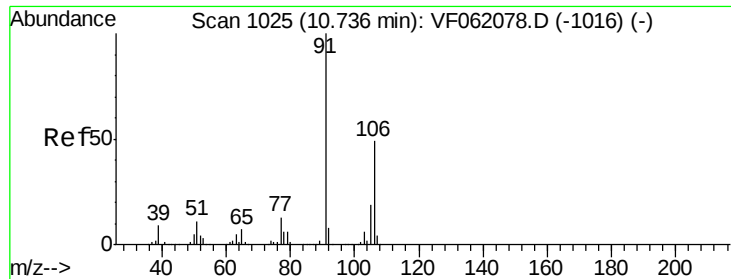
Tgt Ion: 106 Resp: 177401

Ion Ratio Lower Upper

106 100

91 193.9 154.4 231.6

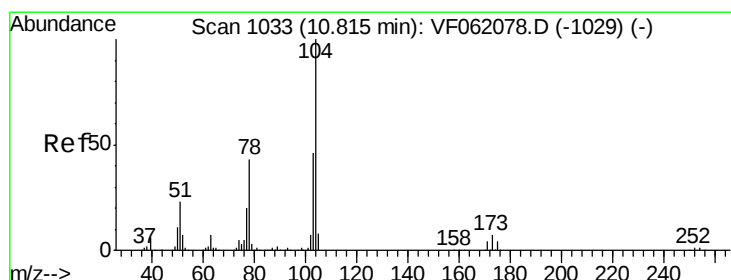
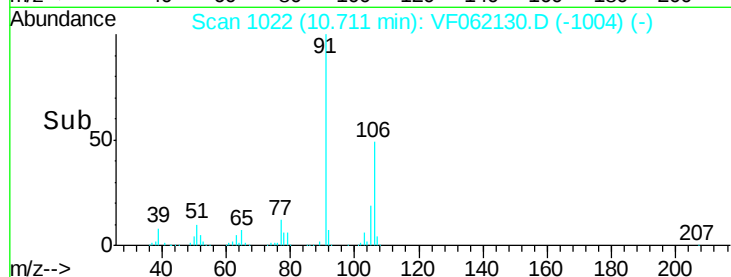
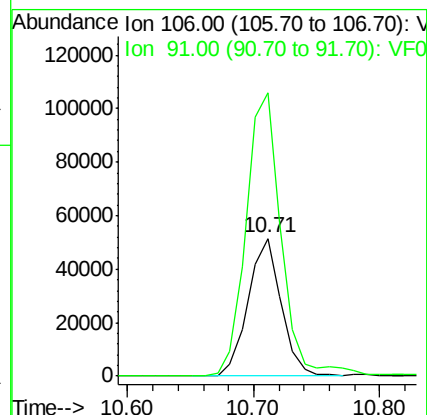
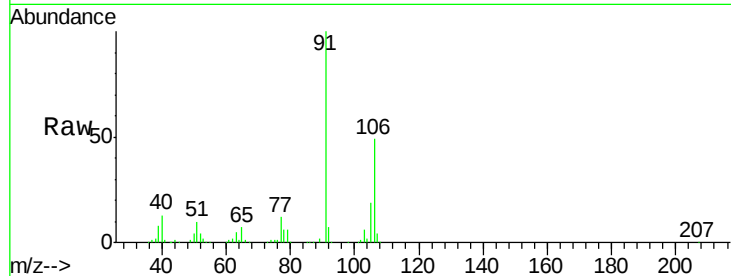




#69
o-Xylene
Concen: 22.964 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

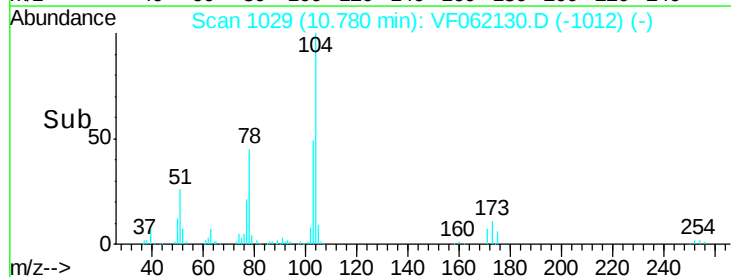
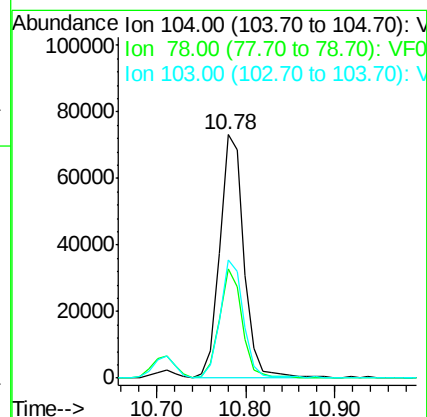
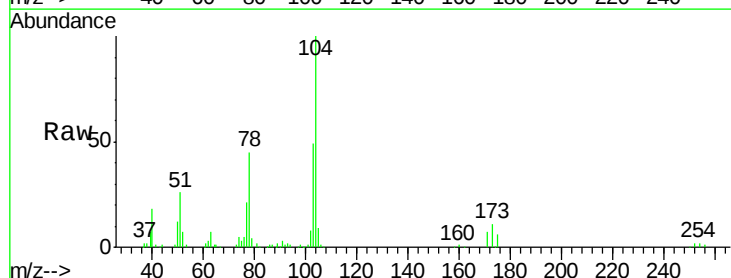
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBSD01

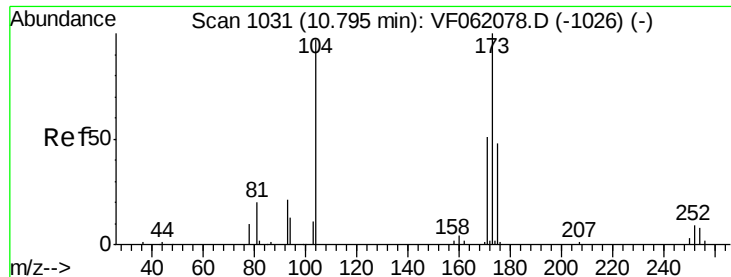
Tot Ion:106 Resp: 93655
Ion Ratio Lower Upper
106 100
91 205.1 102.6 307.8



#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

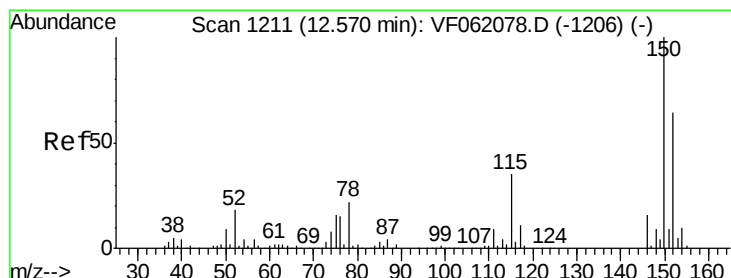
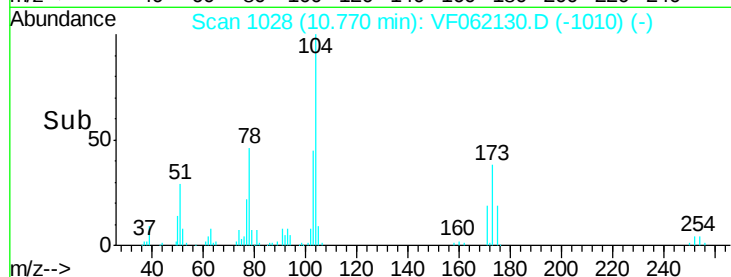
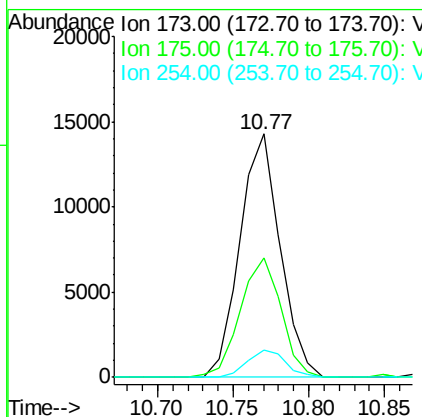
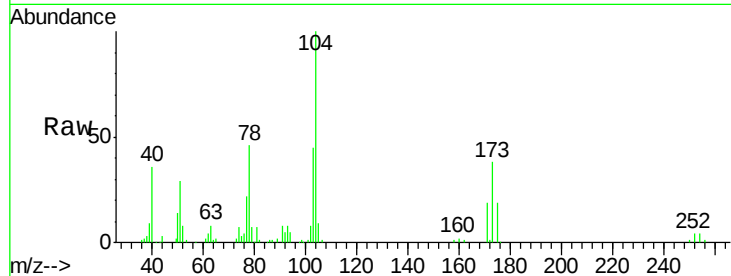




#71
Bromoform
Concen: 21.481 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

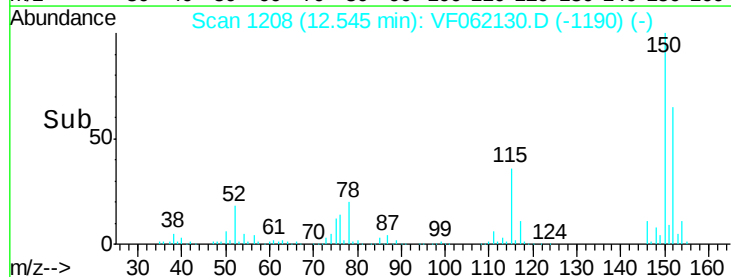
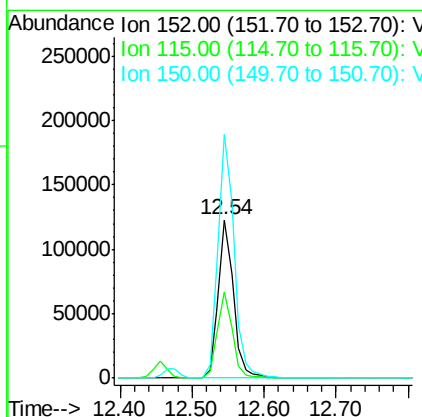
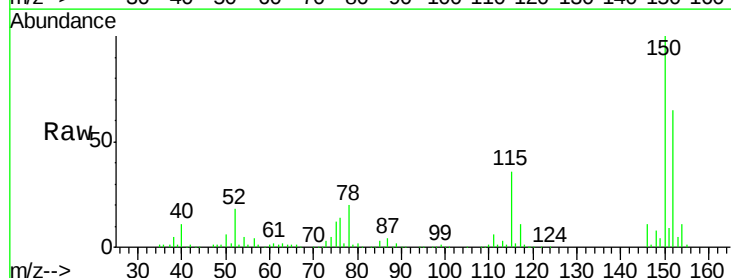
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

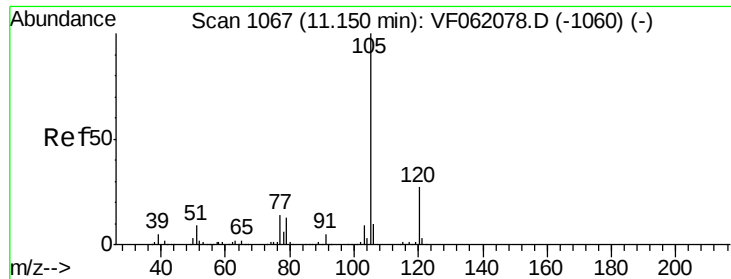
Tot Ion:173 Resp: 26440
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.4
254 11.1 6.2 9.4#



#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 :

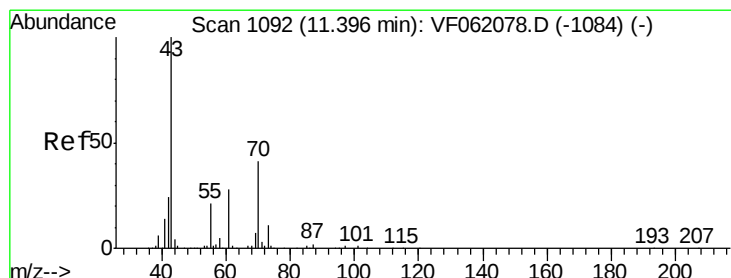
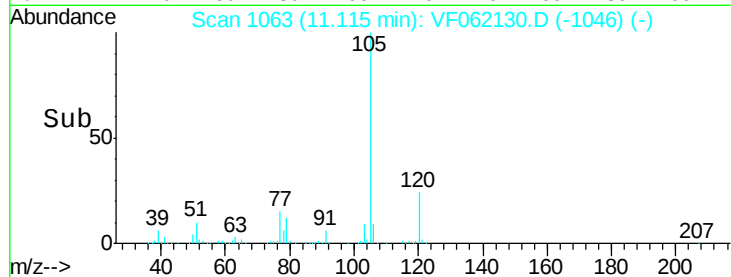
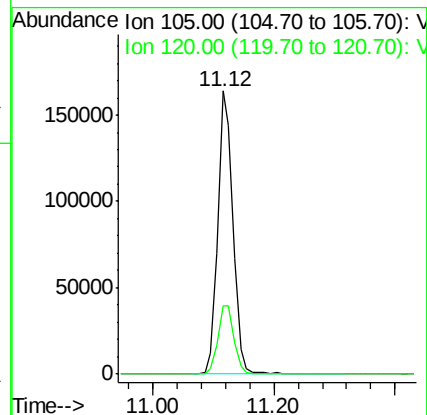
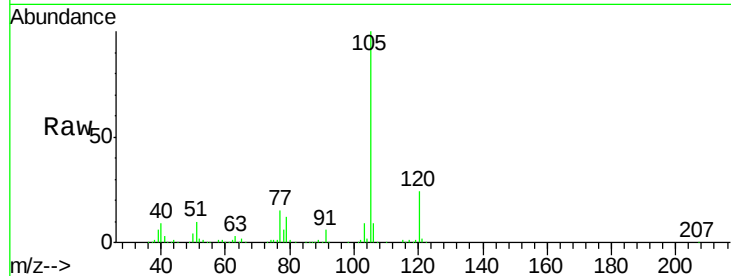
VF0325SBS01

Tot Ion:105 Resp: 284841

Ion Ratio Lower Upper

105 100

120 23.9 13.8 41.3



#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

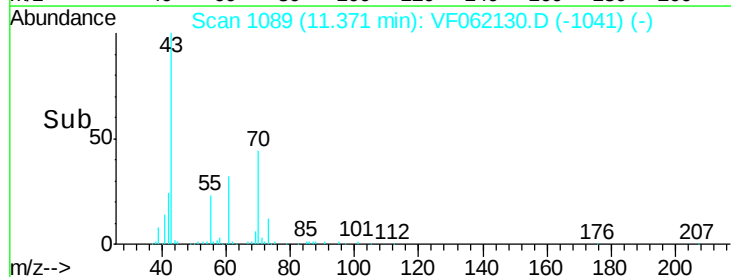
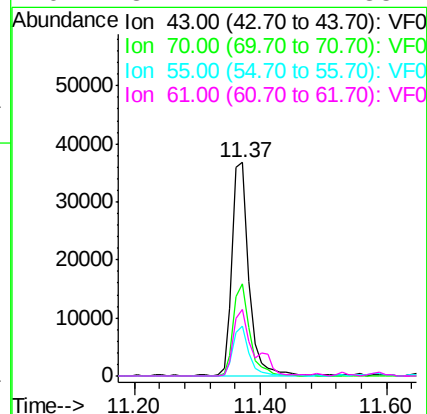
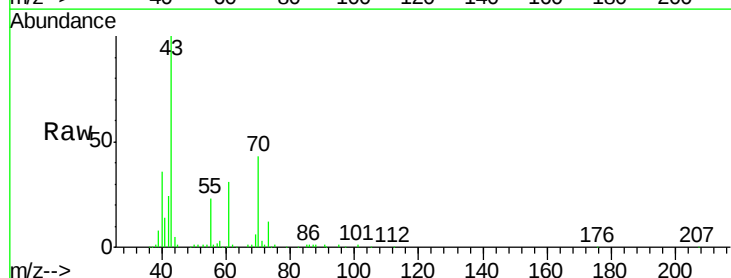
Ion Ratio Lower Upper

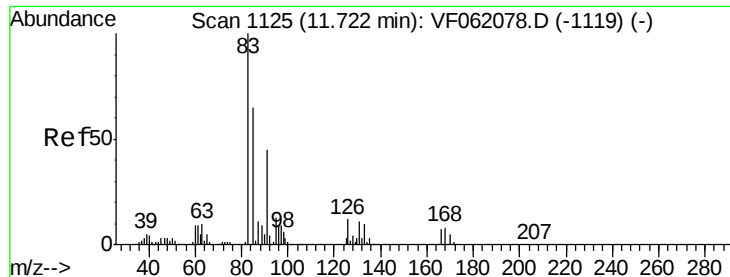
43 100

70 43.4 32.9 49.3

55 23.1 17.1 25.7

61 31.4 22.2 33.2





#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 :

VF0325SBS01

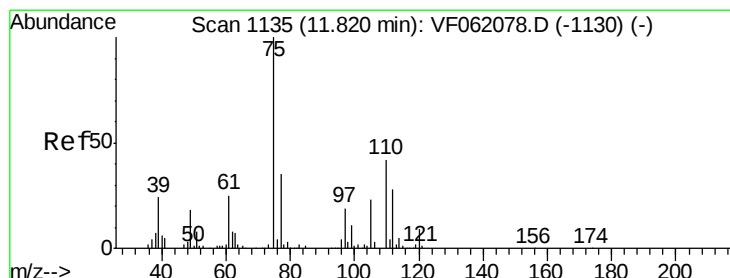
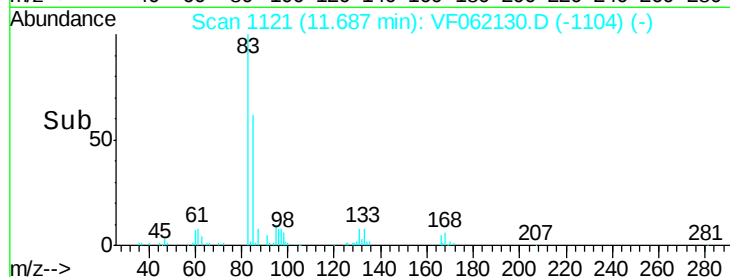
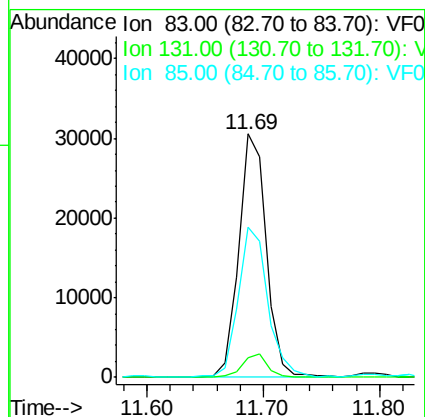
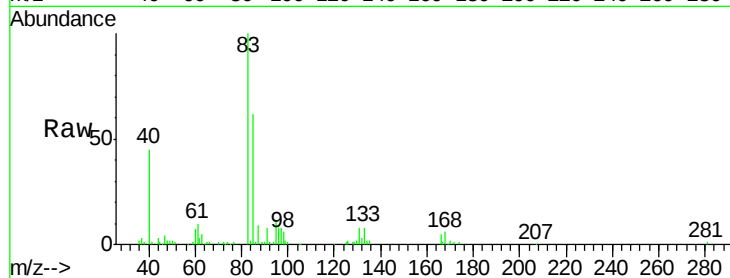
Tot Ion: 83 Resp: 50144

Ion Ratio Lower Upper

83 100

131 8.1 5.3 15.8

85 61.7 32.6 98.0



#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

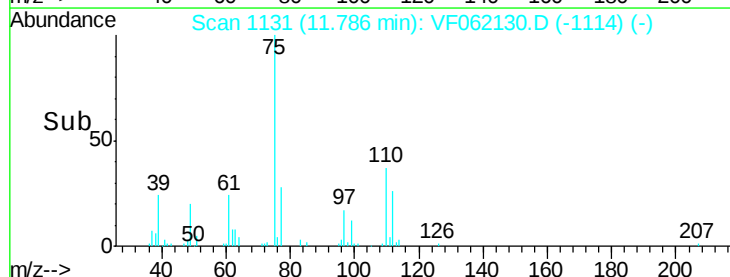
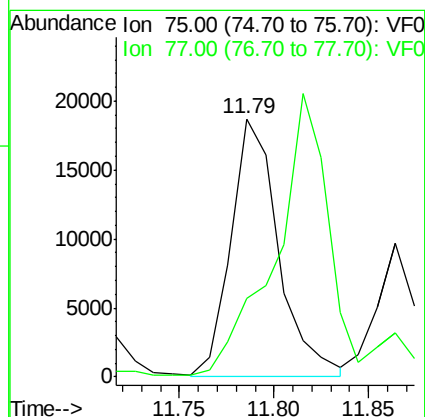
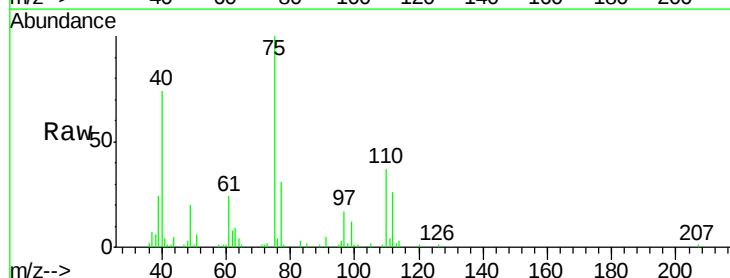
Acq: 25 Mar 2019 14:31

Tgt Ion: 75 Resp: 32742

Ion Ratio Lower Upper

75 100

77 30.6 17.8 53.3





#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 :

VF0325SBS01

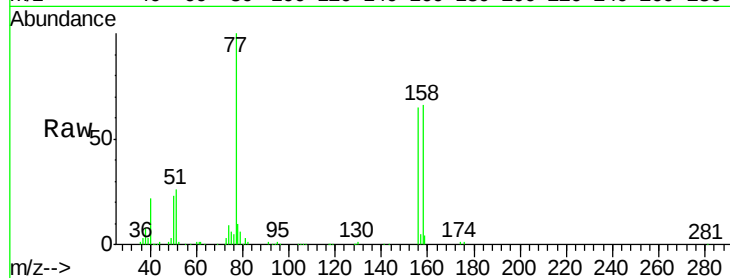
Tot Ion:156 Resp: 63309

Ion Ratio Lower Upper

156 100

77 153.8 61.3 183.9

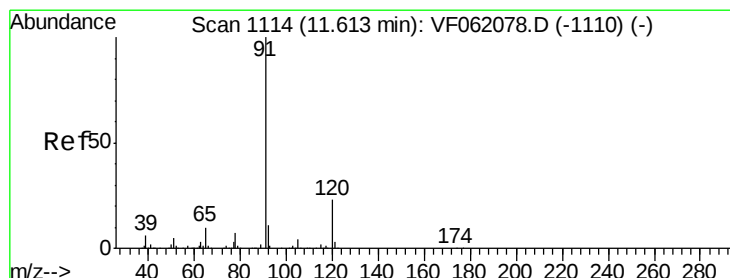
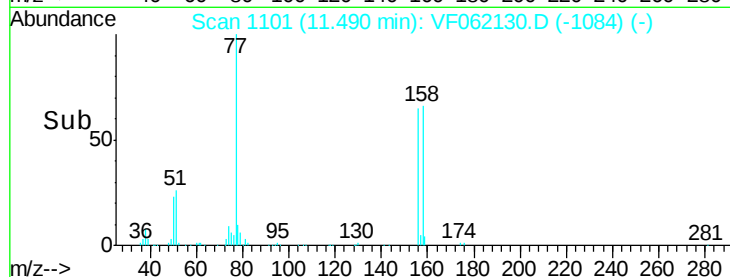
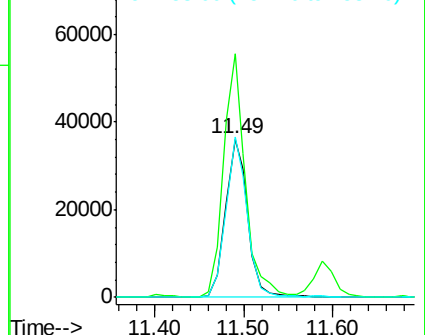
158 101.3 48.6 145.9



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

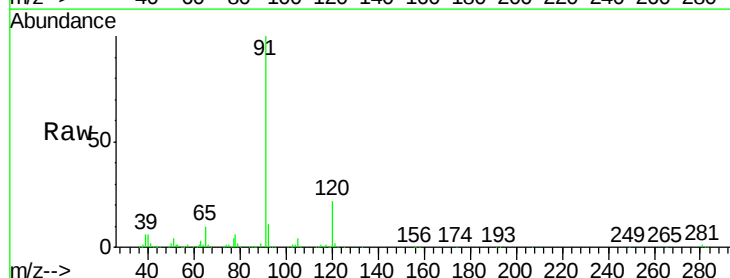
Acq: 25 Mar 2019 14:31

Tgt Ion: 91 Resp: 327178

Ion Ratio Lower Upper

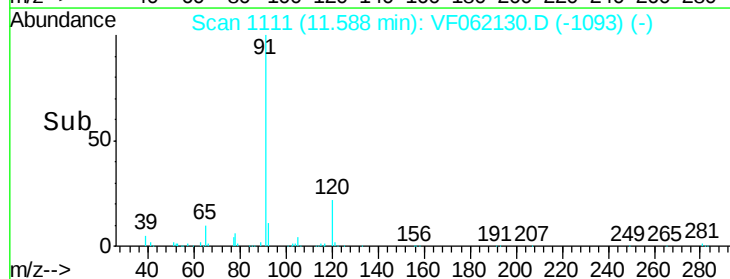
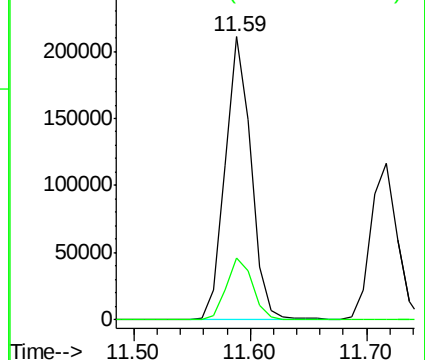
91 100

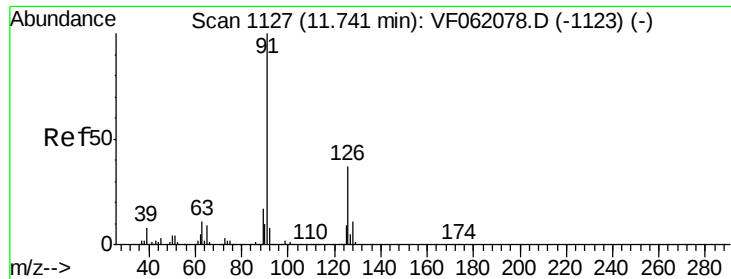
120 22.1 11.3 33.8



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 :

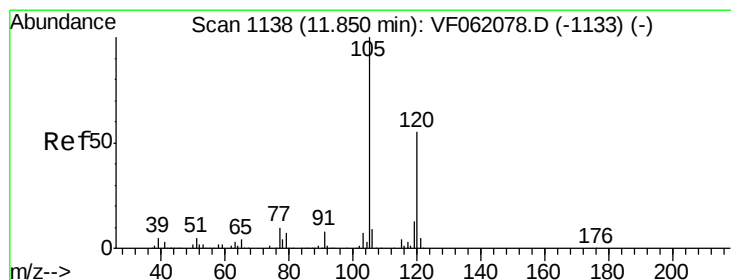
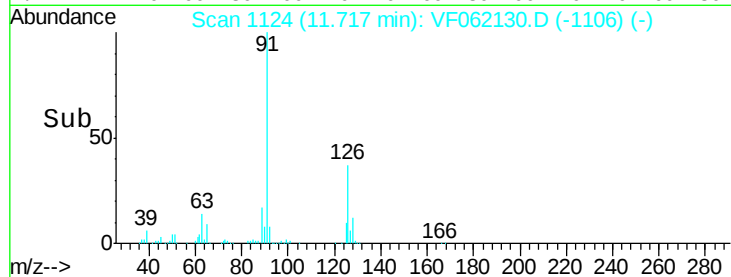
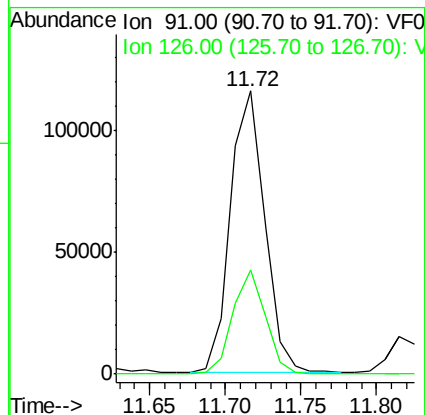
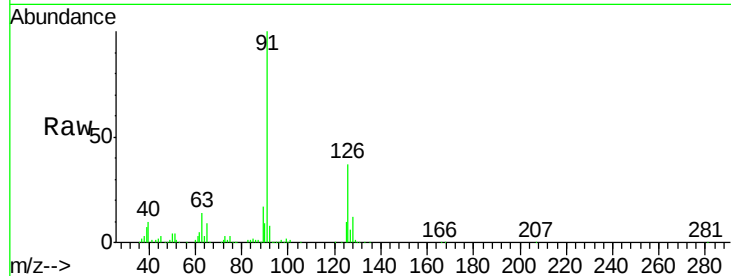
VF0325SBS01

Tot Ion: 91 Resp: 182234

Ion Ratio Lower Upper

91 100

126 37.0 18.3 54.8



#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

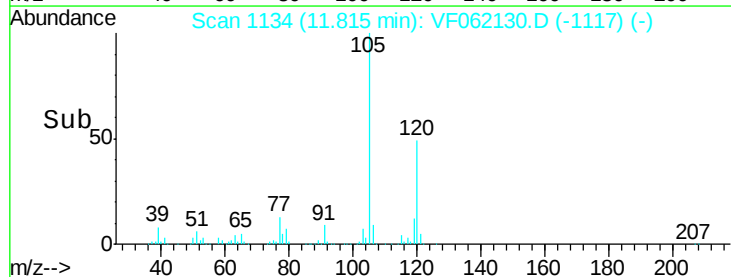
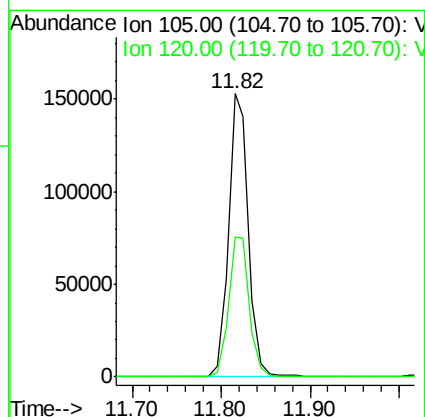
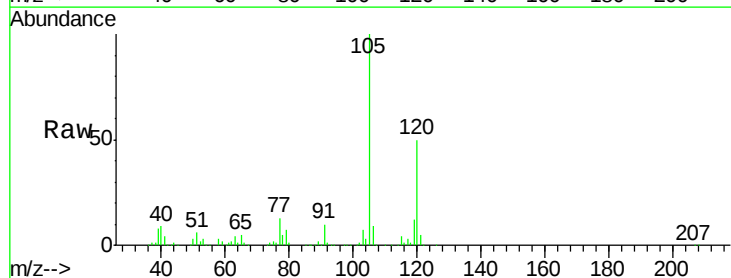
Acq: 25 Mar 2019 14:31

Tgt Ion:105 Resp: 240394

Ion Ratio Lower Upper

105 100

120 49.6 27.8 83.3





#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 :

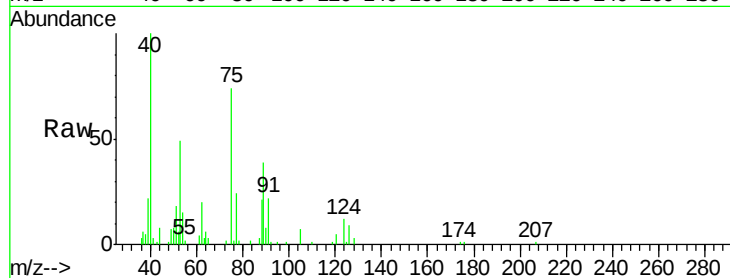
MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 75 Resp: 19175

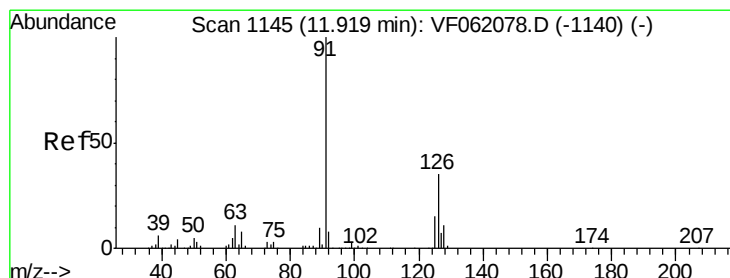
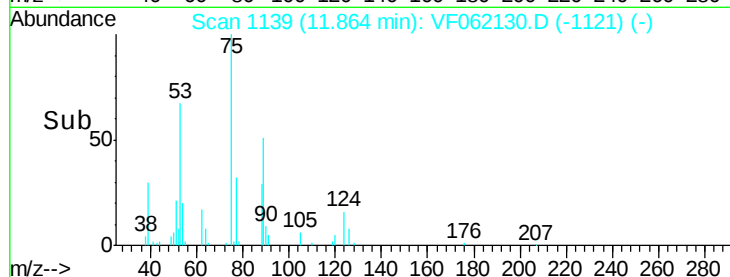
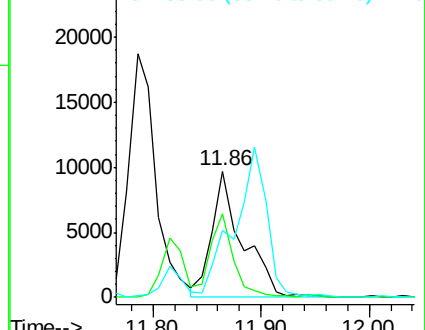
Ion	Ratio	Lower	Upper
75	100		
53	66.0	49.4	74.0
89	53.1	40.6	60.8



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

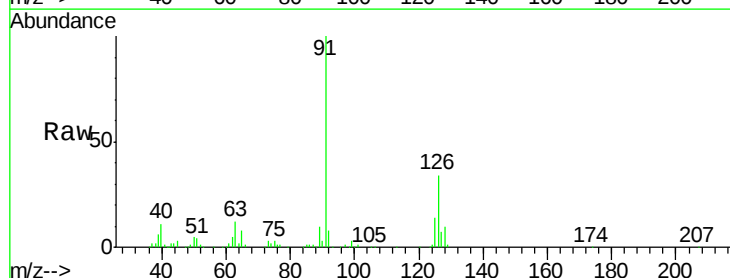
Delta R.T. -0.02 min

Lab File: VF062130.D

Acq: 25 Mar 2019 14:31

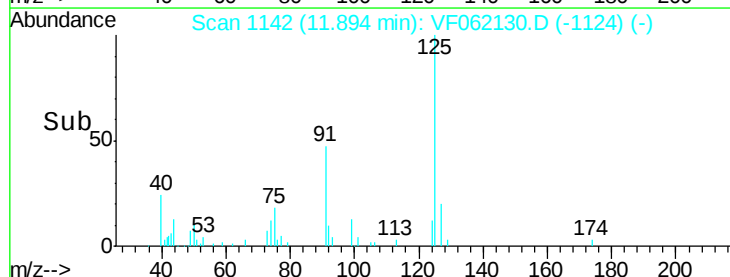
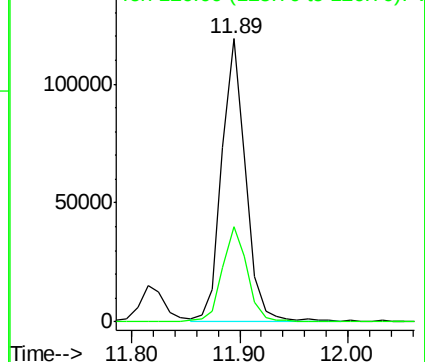
Tgt Ion: 91 Resp: 180437

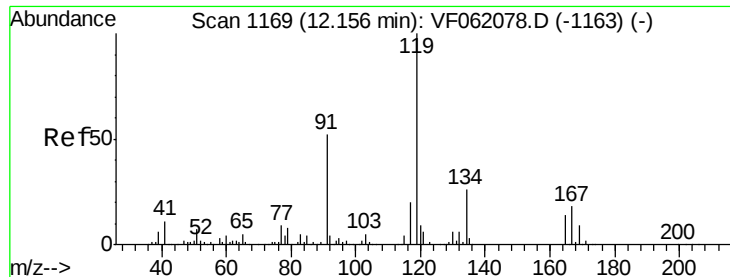
Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.2	51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

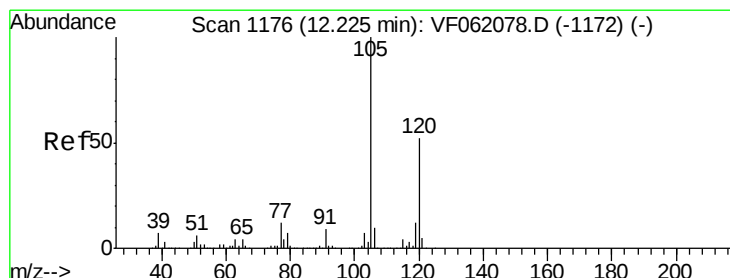
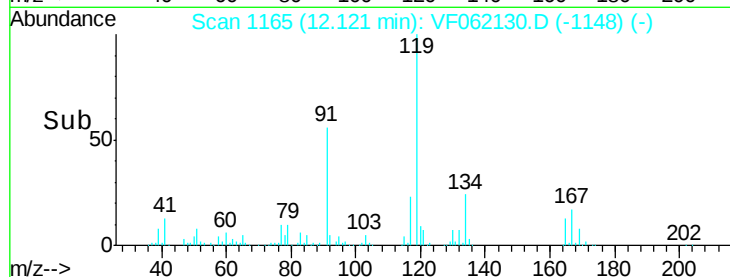
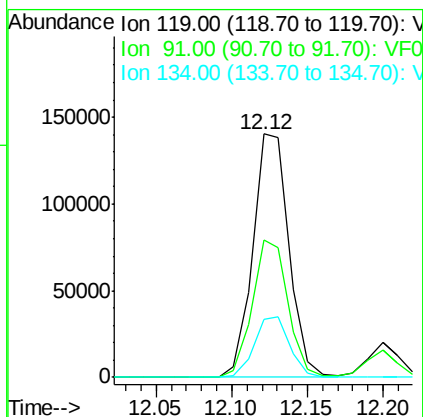
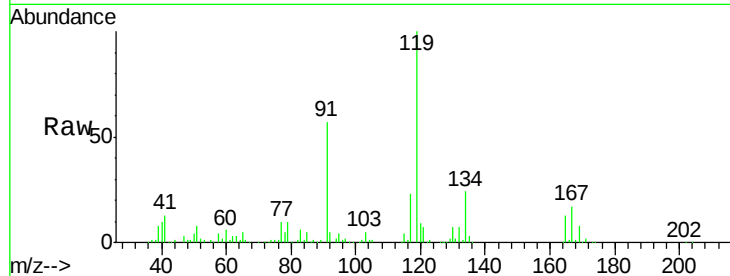




#83
tert-Butylbenzene
Concen: 21.721 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.03 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

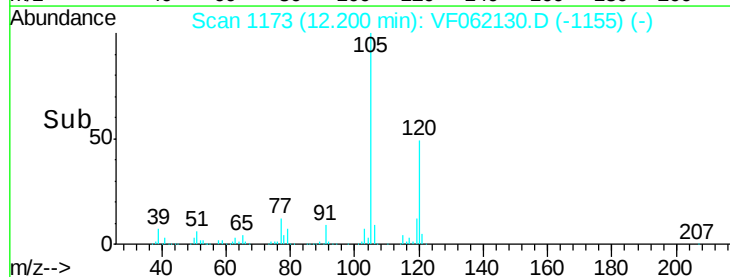
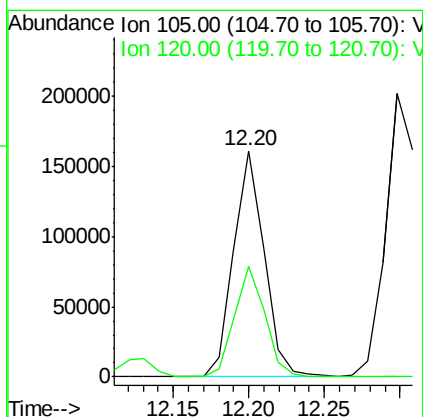
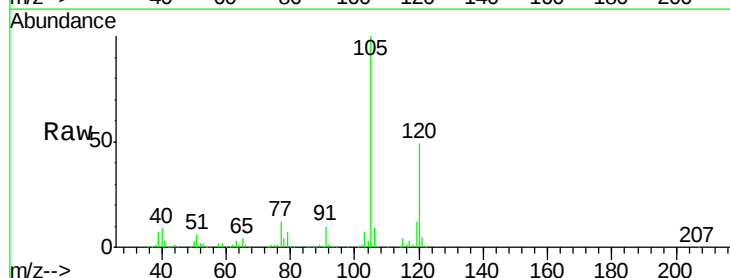
Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

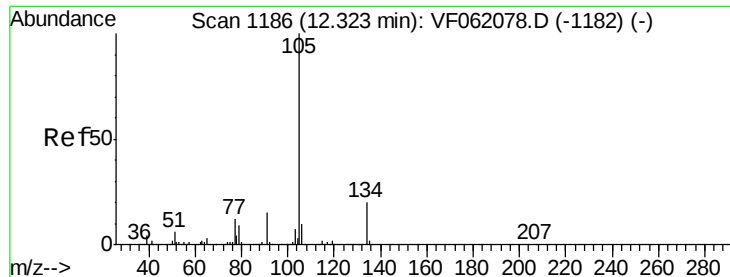
Tot Ion:119 Resp: 235036
Ion Ratio Lower Upper
119 100
91 56.6 26.1 78.2
134 24.0 12.8 38.4



#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





#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 :

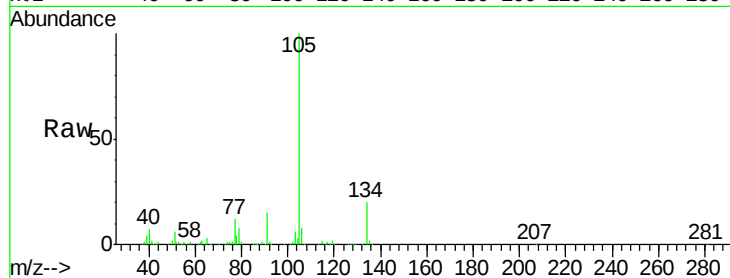
VF0325SBSD01

Tot Ion:105 Resp: 304230

Ion Ratio Lower Upper

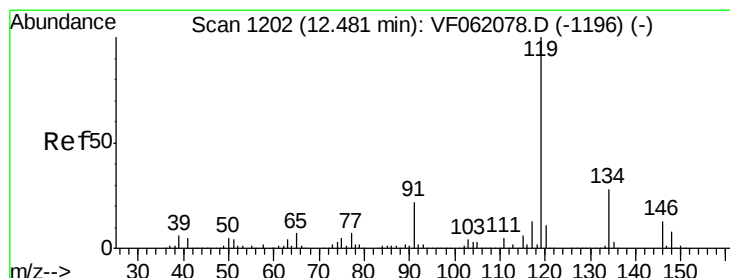
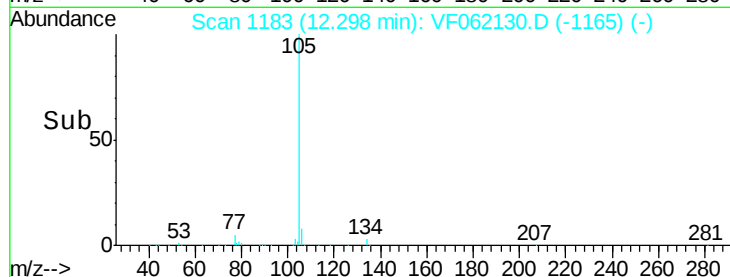
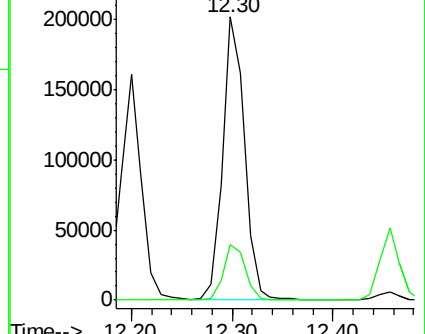
105 100

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

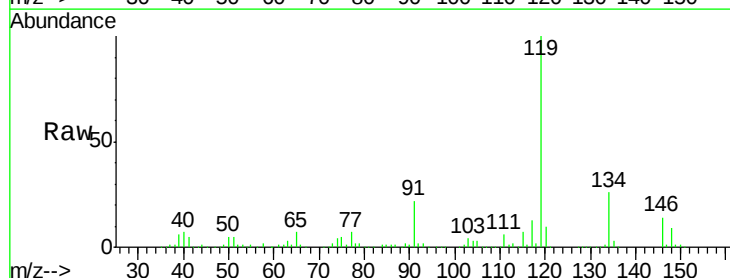
Tgt Ion:119 Resp: 269904

Ion Ratio Lower Upper

119 100

134 26.2 14.0 42.0

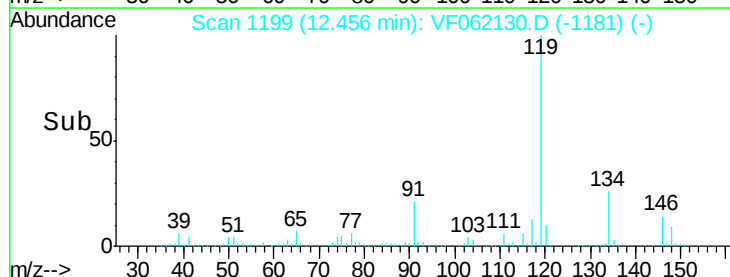
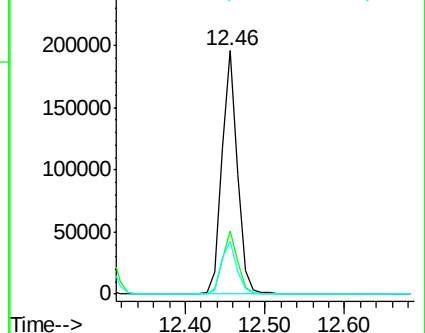
91 21.5 10.8 32.4

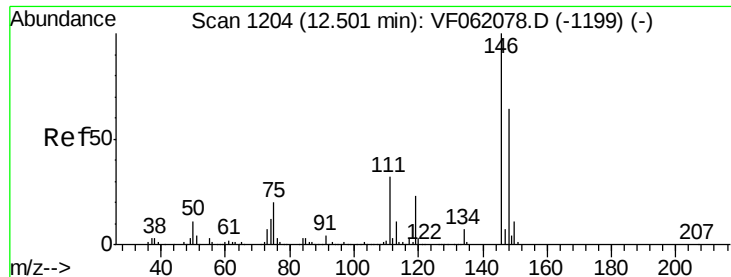


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

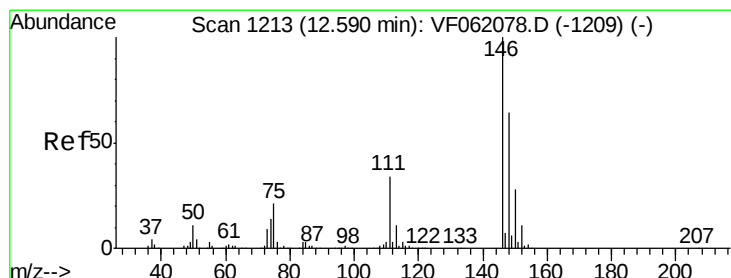
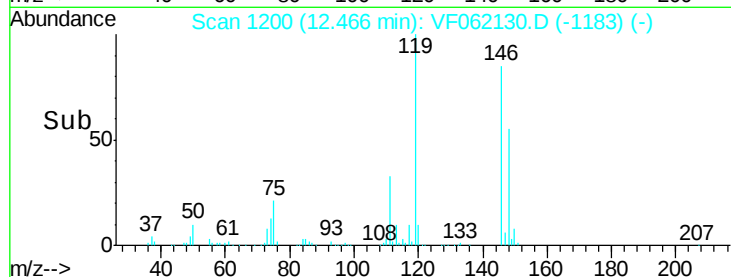
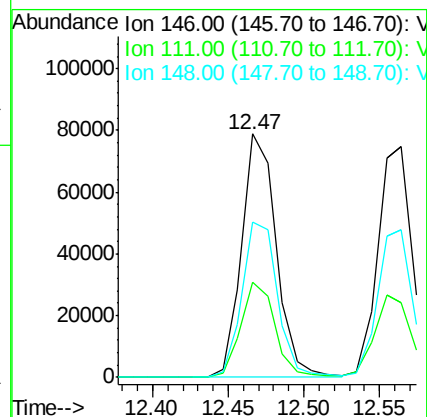
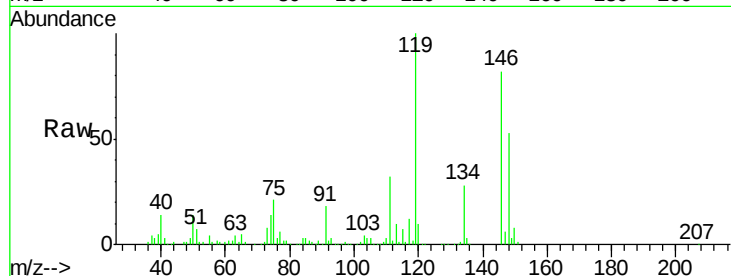




#87
 1,3-Dichlorobenzene
 Concen: 22.097 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.03 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

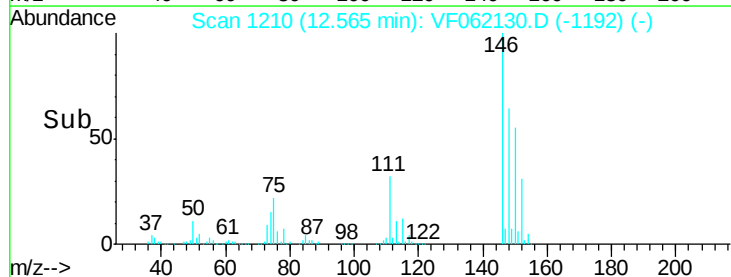
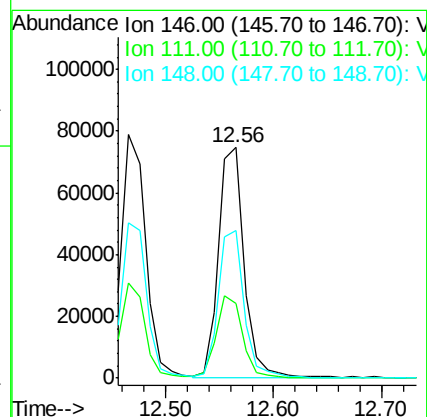
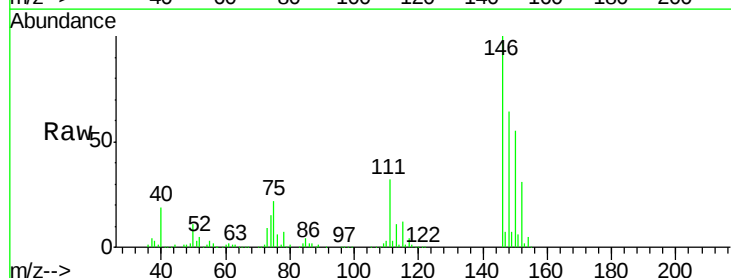
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

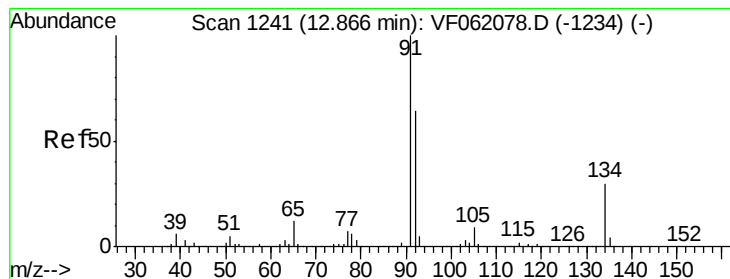
Tot Ion:146 Resp: 126045
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.1 48.3
 148 64.0 31.9 95.7



#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

ClientSampleId :

VF0325SBS01

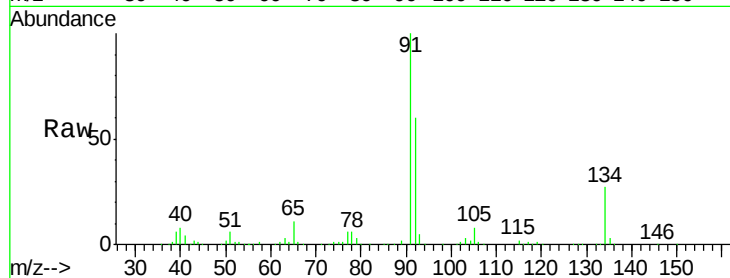
Tot Ion: 91 Resp: 267995

Ion Ratio Lower Upper

91 100

92 60.4 31.9 95.5

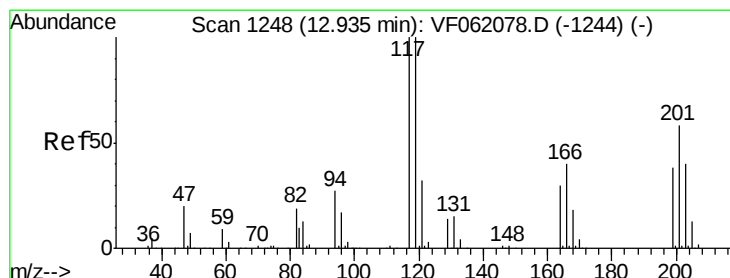
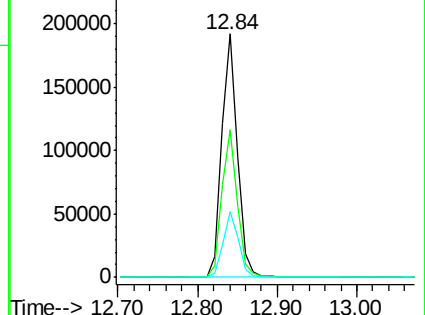
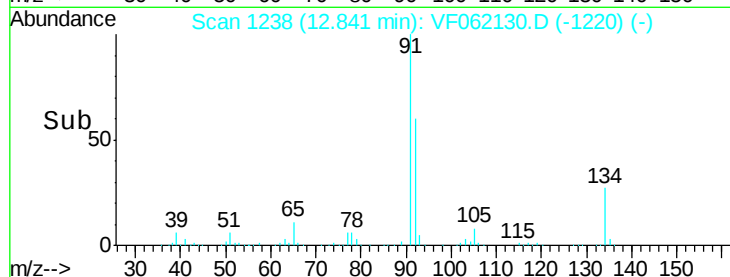
134 26.9 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.738 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF062130.D

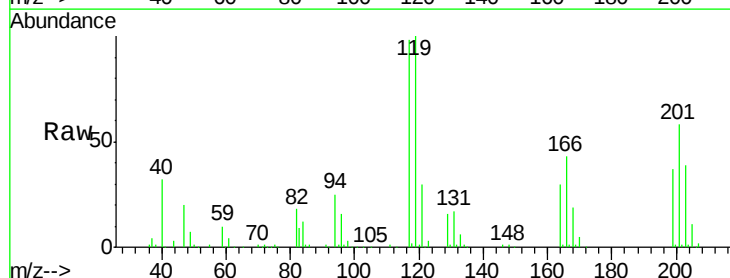
Acq: 25 Mar 2019 14:31

Tgt Ion: 117 Resp: 62775

Ion Ratio Lower Upper

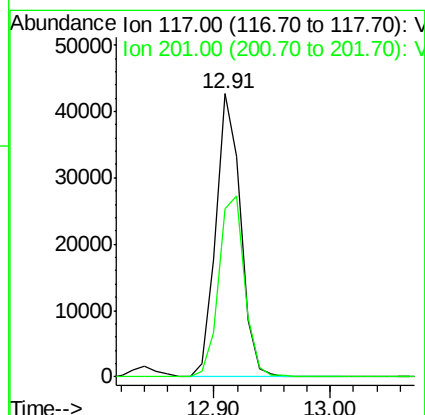
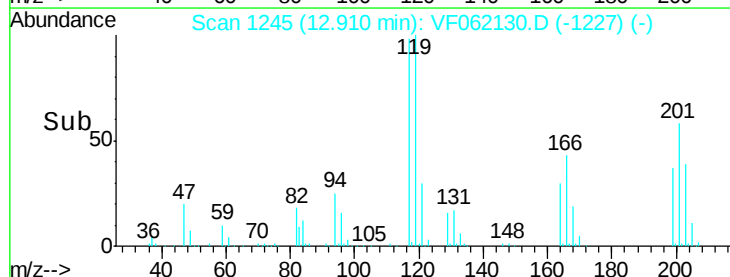
117 100

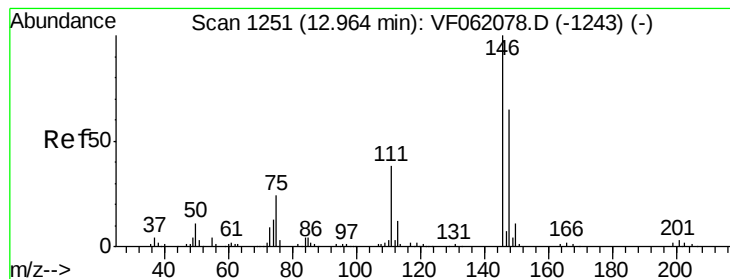
201 59.5 28.7 86.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#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

ClientSampleId :

VF0325SBS01

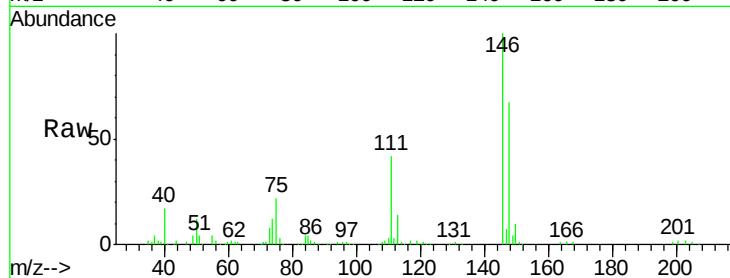
Tot Ion:146 Resp: 115836

Ion Ratio Lower Upper

146 100

111 41.7 19.1 57.3

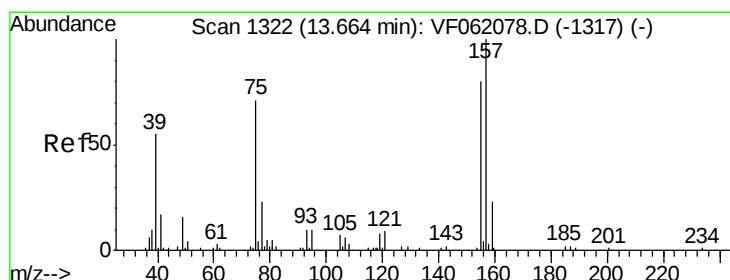
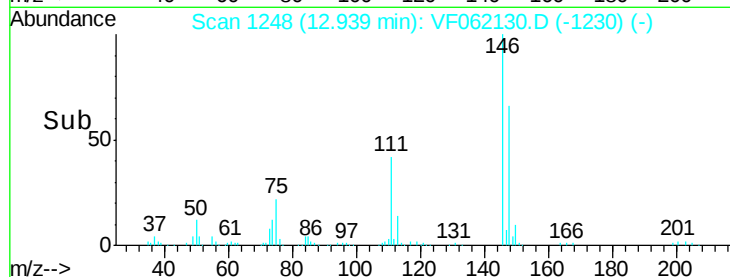
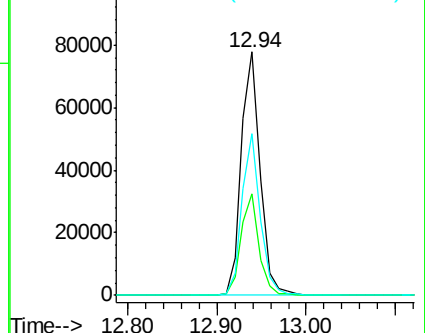
148 66.5 32.8 98.3



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

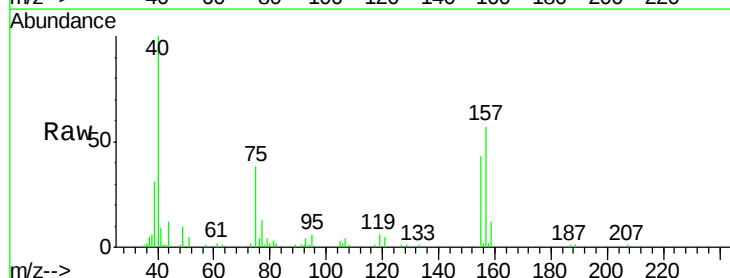
Tgt Ion: 75 Resp: 6633

Ion Ratio Lower Upper

75 100

155 112.6 56.1 168.4

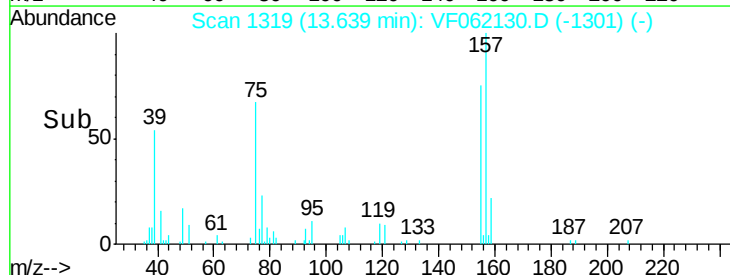
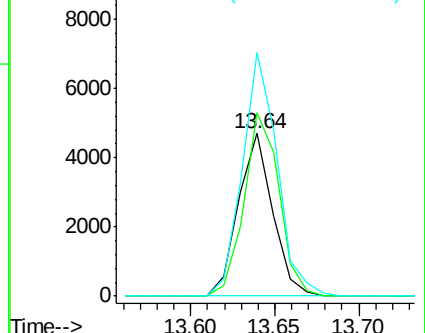
157 149.6 70.4 211.2

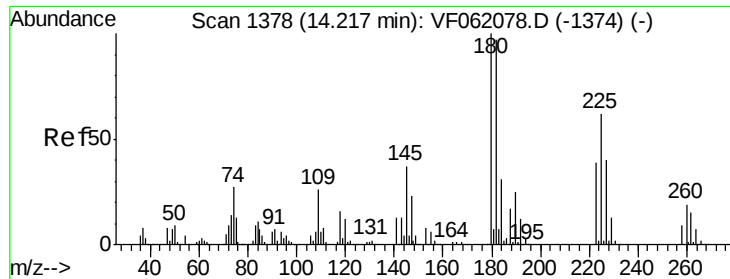


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

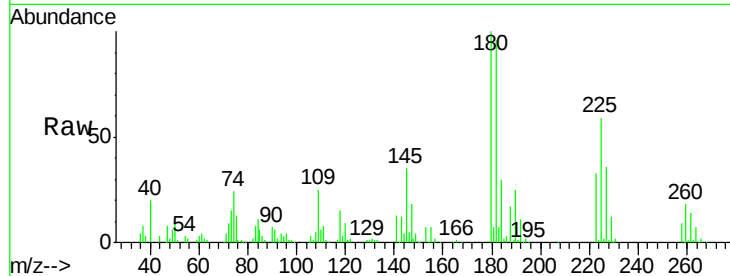




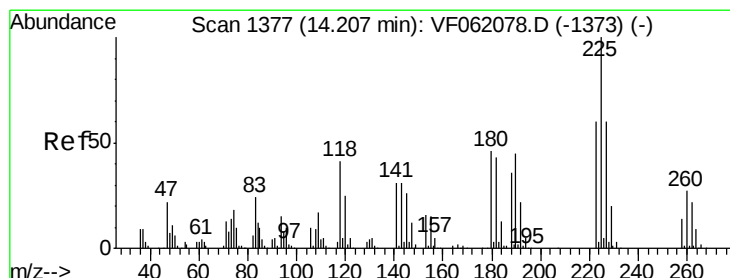
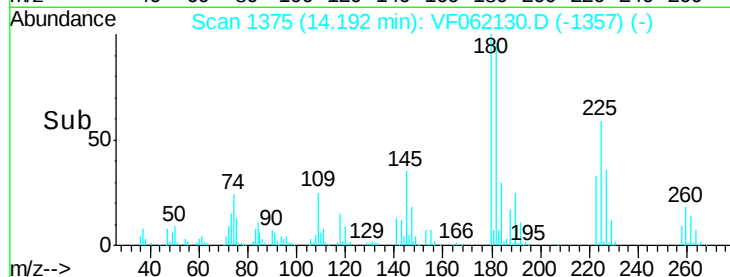
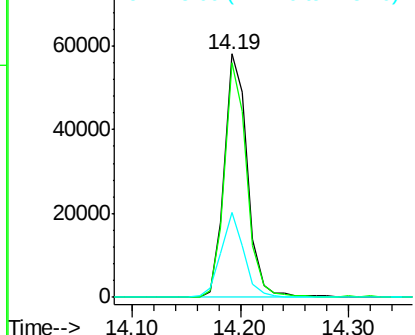
#93
 1,2,4-Trichlorobenzene
 Concen: 23.232 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

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

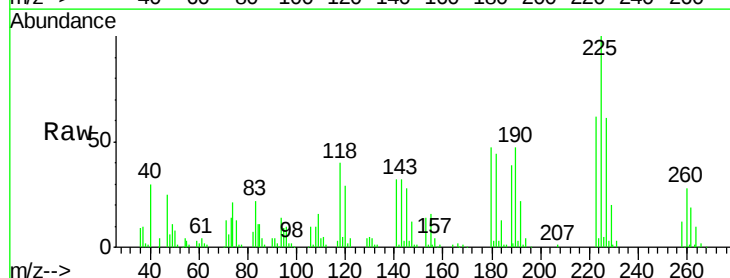


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

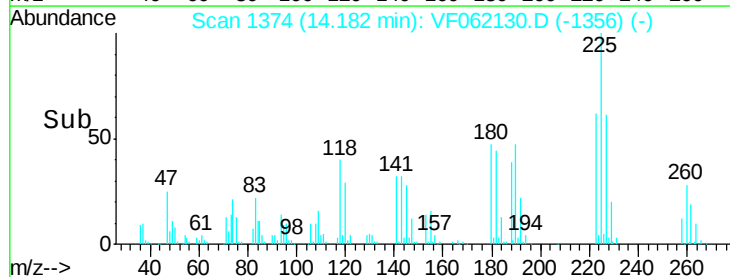
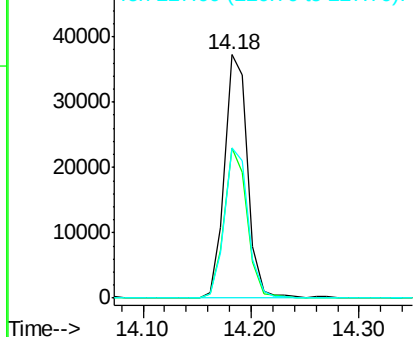


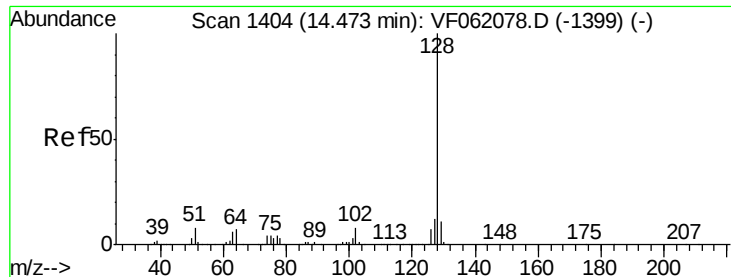
#94
 Hexachlorobutadiene
 Concen: 22.362 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF062130.D
 Acq: 25 Mar 2019 14:31

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

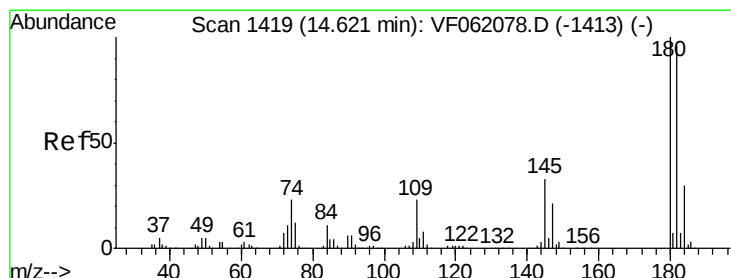
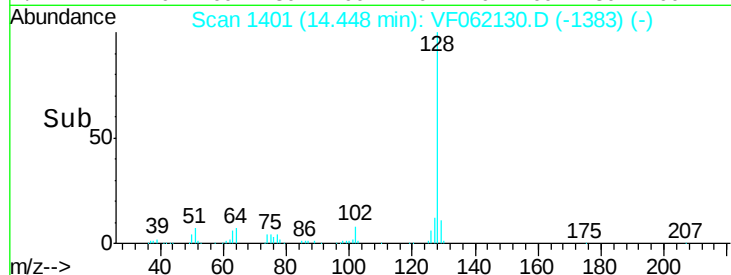
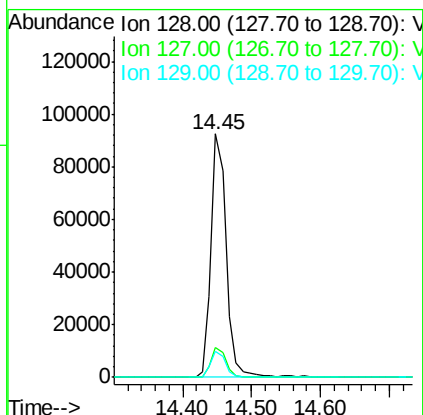
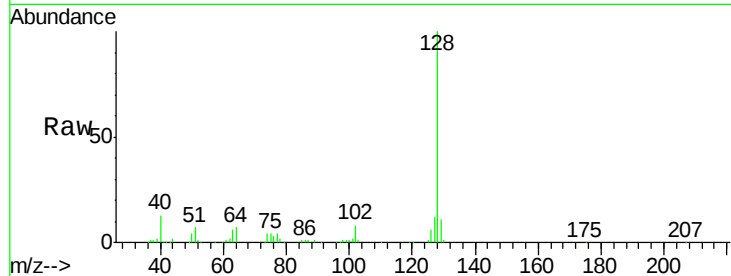




#95
Naphthalene
Concen: 21.857 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF062130.D
Acq: 25 Mar 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

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

