

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062591.D
 Acq On : 14 May 2019 20:41
 Operator : FY/SY
 Sample : VF0514SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

Quant Time: May 15 05:31:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	589000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1008747	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	743127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	376849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	191966	43.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.28%	
35) Dibromofluoromethane	4.33	113	330539	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
50) Toluene-d8	7.73	98	789986	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
62) 4-Bromofluorobenzene	11.51	95	280039	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.01	85	148194	24.878	ug/l 85
3) Chloromethane	1.15	50	161470	24.039	ug/l 97
4) Vinyl Chloride	1.20	62	156213	23.367	ug/l 99
5) Bromomethane	1.39	94	64720	18.383	ug/l 97
6) Chloroethane	1.44	64	52260	20.585	ug/l 88
7) Trichlorofluoromethane	1.56	101	201534	22.002	ug/l 99
8) Diethyl Ether	1.72	74	37449	18.239	ug/l 67
9) 1,1,2-Trichlorotrifluoroet	1.92	101	139760	22.369	ug/l 95
10) Methyl Iodide	1.99	142	242698	21.810	ug/l 98
11) Tert butyl alcohol	2.71	59	26809	100.071	ug/l 98
12) 1,1-Dichloroethene	1.88	96	119937	22.409	ug/l 100
13) Acrolein	2.12	56	18315	103.157	ug/l 90
14) Allyl chloride	2.21	41	131321m	23.979	ug/l
15) Acrylonitrile	3.10	53	88663	92.519	ug/l 94
16) Acetone	2.36	43	90541	100.279	ug/l 93
17) Carbon Disulfide	1.92	76	296437	23.204	ug/l 98
18) Methyl Acetate	2.48	43	41900	18.617	ug/l # 87
19) Methyl tert-butyl Ether	2.57	73	197778	20.754	ug/l 99
20) Methylene Chloride	2.30	84	128251m	20.157	ug/l
21) trans-1,2-Dichloroethene	2.44	96	116517	21.602	ug/l 83
22) Diisopropyl ether	2.95	45	290539	22.817	ug/l 95
23) Vinyl Acetate	3.37	43	768140	110.288	ug/l 96
24) 1,1-Dichloroethane	3.03	63	201016	20.737	ug/l 97
25) 2-Butanone	4.55	43	208863	102.322	ug/l 100
26) 2,2-Dichloropropane	3.81	77	108272	20.696	ug/l 98
27) cis-1,2-Dichloroethene	3.67	96	156764	20.571	ug/l 98
28) Bromochloromethane	3.93	49	119767	21.981	ug/l 95
29) Tetrahydrofuran	4.29	42	89375	103.468	ug/l 98
30) Chloroform	4.08	83	246409	21.185	ug/l 93
31) Cyclohexane	3.92	56	214560	21.238	ug/l 97
32) 1,1,1-Trichloroethane	4.31	97	178139	22.721	ug/l 96
36) 1,1-Dichloropropene	4.50	75	184682	21.158	ug/l 94
37) Ethyl Acetate	4.32	43	74772	20.846	ug/l 89
38) Carbon Tetrachloride	4.21	117	156640	21.876	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	218624	21.392	ug/l	94
40) Benzene	4.85	78	530828	21.376	ug/l	99
41) Methacrylonitrile	4.96	41	42247	20.799	ug/l	94
42) 1,2-Dichloroethane	5.16	62	110816	21.030	ug/l	96
43) Isopropyl Acetate	7.13	43	81738	19.257	ug/l #	91
44) Trichloroethene	5.71	130	140897	21.010	ug/l	93
45) 1,2-Dichloropropane	6.43	63	131421	21.026	ug/l	98
46) Dibromomethane	6.28	93	74602	21.348	ug/l	96
47) Bromodichloromethane	6.57	83	153852	20.480	ug/l	96
48) Methyl methacrylate	6.90	41	45293	19.495	ug/l	88
49) 1,4-Dioxane	6.90	88	9979	325.936	ug/l #	87
51) 4-Methyl-2-Pentanone	8.42	43	300803	96.718	ug/l	100
52) Toluene	7.80	92	254821	20.442	ug/l	89
53) t-1,3-Dichloropropene	8.44	75	116961	19.707	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	167170	19.932	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	71474	19.150	ug/l	93
56) Ethyl methacrylate	8.78	69	76025	18.585	ug/l #	86
57) 1,3-Dichloropropane	9.02	76	124041	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	137736	107.613	ug/l	93
59) 2-Hexanone	9.65	43	200143	97.438	ug/l	94
60) Dibromochloromethane	8.88	129	93018	19.616	ug/l	97
61) 1,2-Dibromoethane	9.15	107	76601	20.463	ug/l	98
64) Tetrachloroethene	8.33	164	102727	20.920	ug/l	95
65) Chlorobenzene	9.95	112	265408	20.543	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.08	131	106657	20.099	ug/l	95
67) Ethyl Benzene	10.05	91	464225	20.224	ug/l	99
68) m/p-Xylenes	10.28	106	323250	39.732	ug/l	96
69) o-Xylene	10.84	106	176254	20.652	ug/l	95
70) Styrene	10.91	104	254336	19.612	ug/l	97
71) Bromoform	10.89	173	49333	19.745	ug/l	95
73) Isopropylbenzene	11.23	105	494242	19.506	ug/l	99
74) N-amyl acetate	11.46	43	119292	19.389	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	96000	18.494	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	65558	19.700	ug/l	87
77) Bromobenzene	11.60	156	110562	19.309	ug/l	80
78) n-propylbenzene	11.69	91	599034	19.876	ug/l	97
79) 2-Chlorotoluene	11.80	91	330598	19.876	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	408782	20.610	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	28553m	20.130	ug/l	
82) 4-Chlorotoluene	11.98	91	330742	20.337	ug/l	96
83) tert-Butylbenzene	12.21	119	421903	20.335	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	390010	20.018	ug/l	99
85) sec-Butylbenzene	12.38	105	575780	20.441	ug/l	100
86) p-Isopropyltoluene	12.53	119	481547	20.768	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	221728	19.798	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	209356	19.928	ug/l	99
89) n-Butylbenzene	12.91	91	490545	20.784	ug/l	96
90) Hexachloroethane	12.99	117	112751	18.984	ug/l	70
91) 1,2-Dichlorobenzene	13.01	146	202039	20.335	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11905	18.671	ug/l	89

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Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration

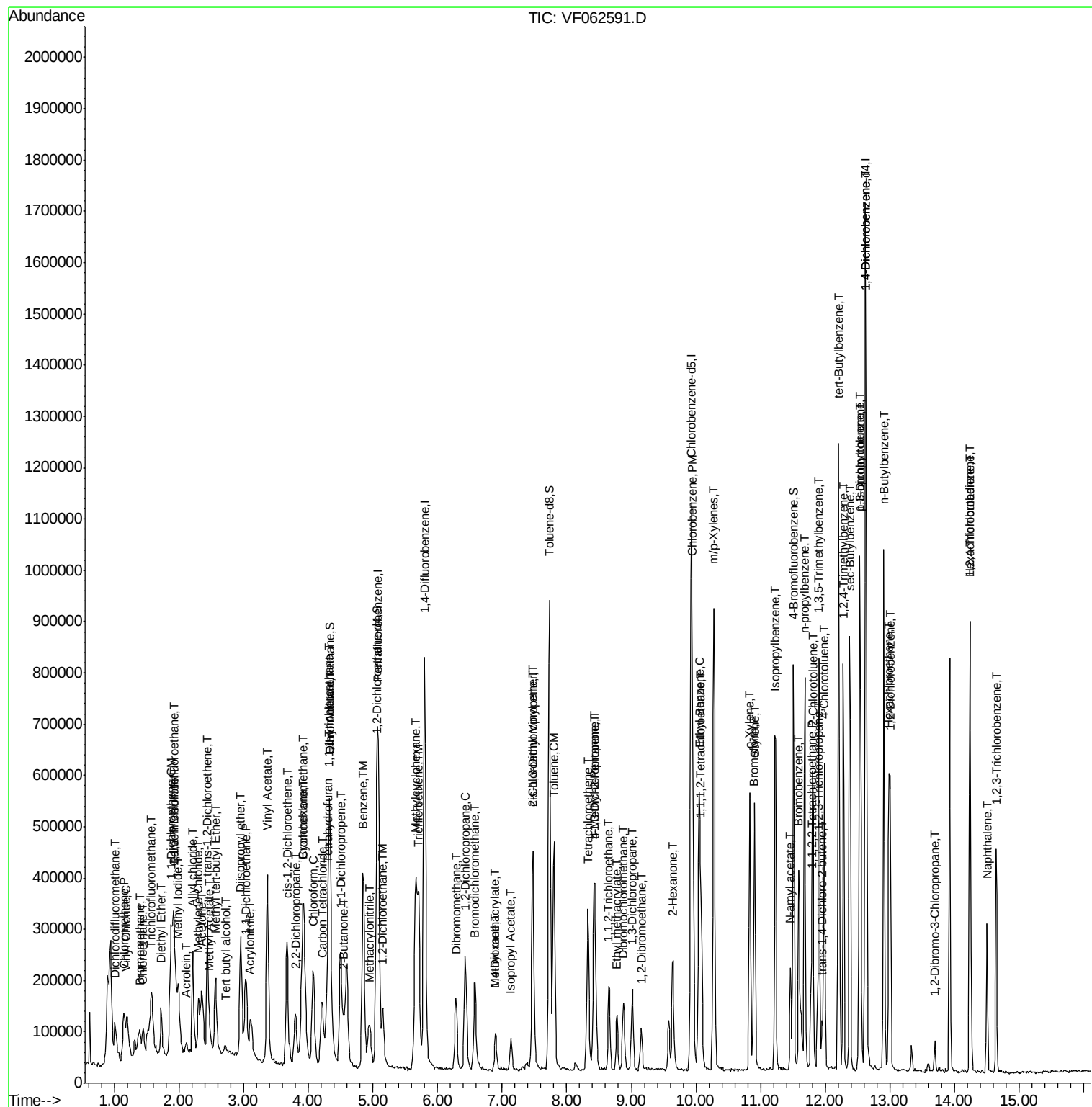
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	135698	19.641	ug/l	96
94) Hexachlorobutadiene	14.24	225	100632	20.051	ug/l	97
95) Naphthalene	14.51	128	209283	18.611	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	127758	19.933	ug/l	94

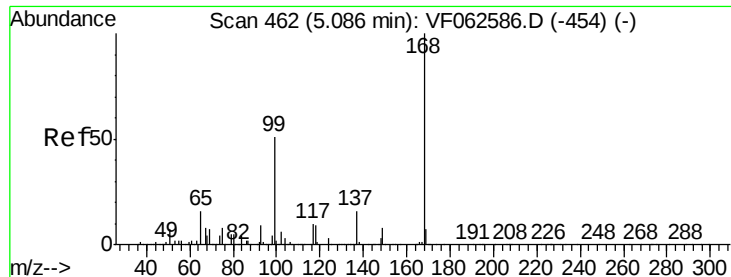
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062591.D
 Acq On : 14 May 2019 20:41
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 Sample : VF0514SBS01
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

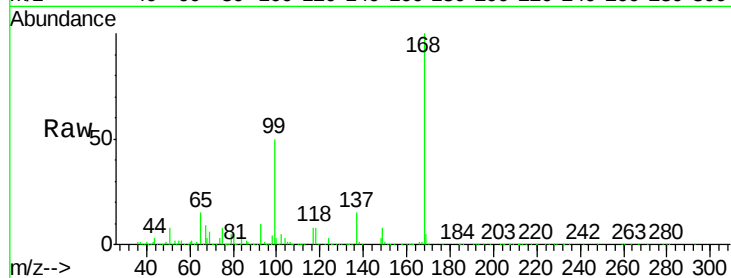
VF0514SBS01

Tot Ion:168 Resp: 589000

Ion Ratio Lower Upper

168 100

99 49.8 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

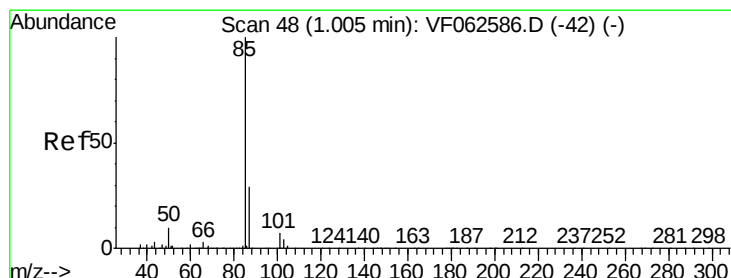
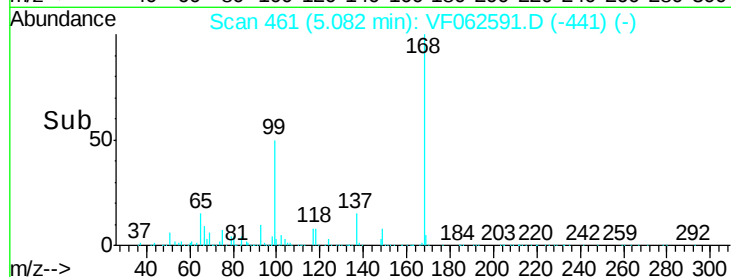
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.878 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062591.D

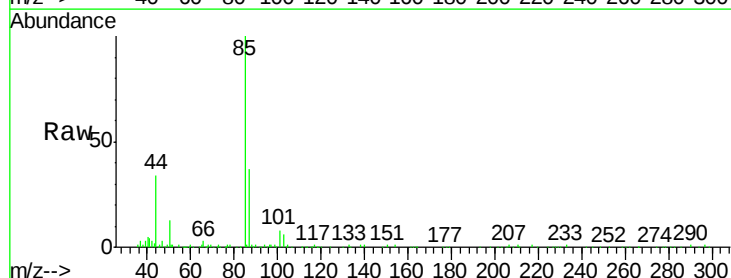
Acq: 14 May 2019 20:41

Tgt Ion: 85 Resp: 148194

Ion Ratio Lower Upper

85 100

87 37.4 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

50000

40000

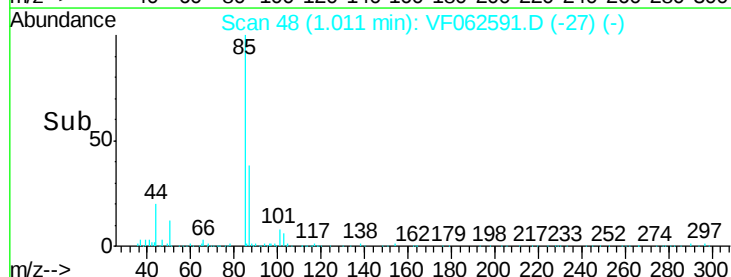
30000

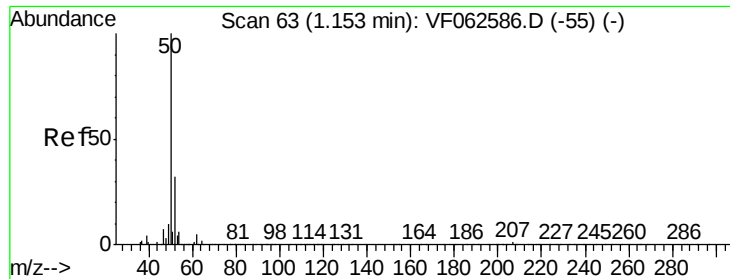
20000

10000

0

Time-->





#3

Chloromethane

Concen: 24.039 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

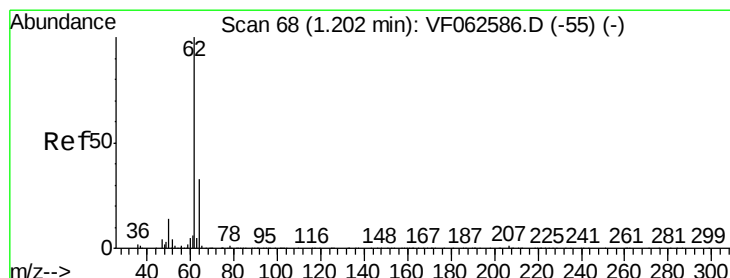
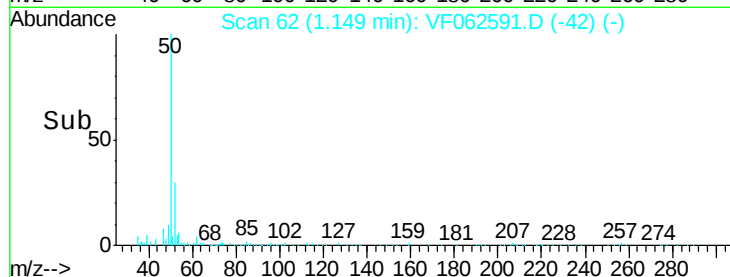
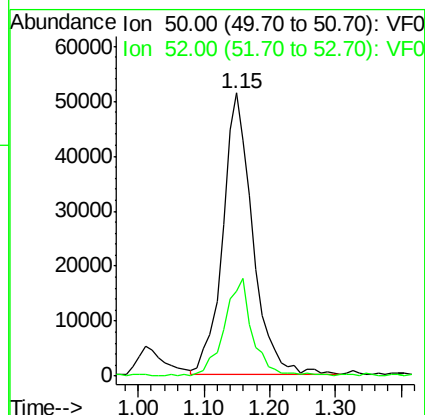
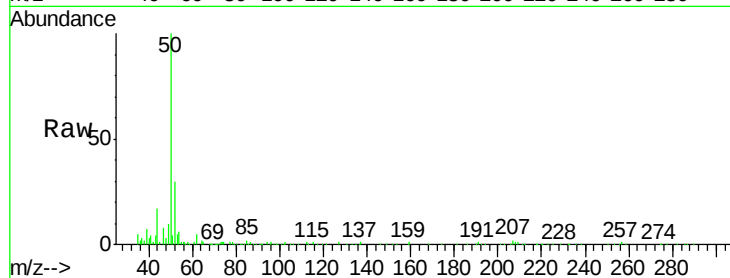
VF0514SBS01

Tot Ion: 50 Resp: 161470

Ion Ratio Lower Upper

50 100

52 29.8 25.3 37.9



#4

Vinyl Chloride

Concen: 23.367 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062591.D

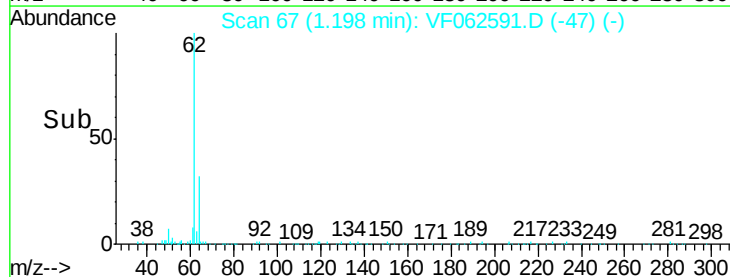
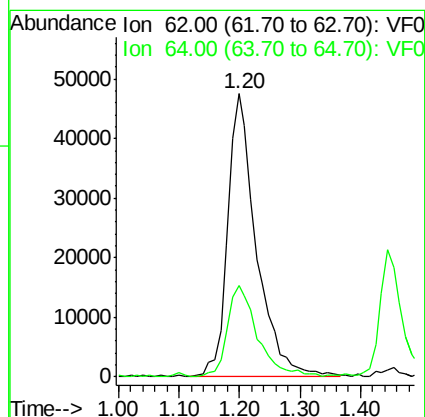
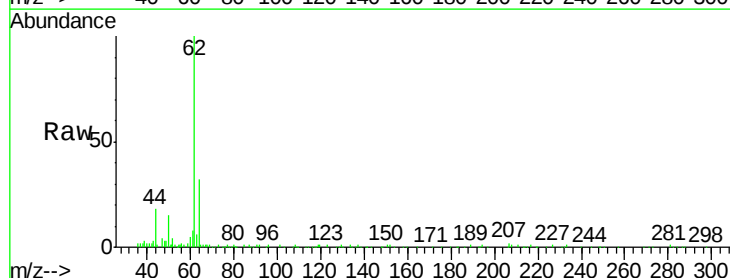
Acq: 14 May 2019 20:41

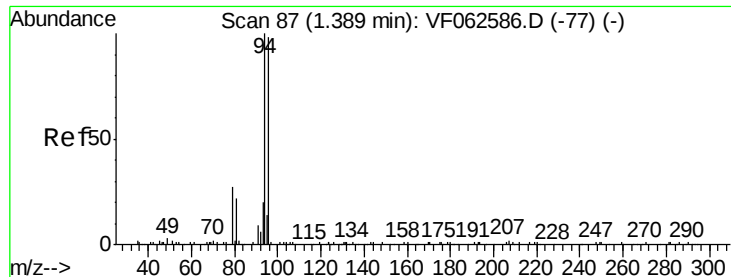
Tgt Ion: 62 Resp: 156213

Ion Ratio Lower Upper

62 100

64 32.5 26.5 39.7





#5

Bromomethane

Concen: 18.383 ug/l

RT: 1.39 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

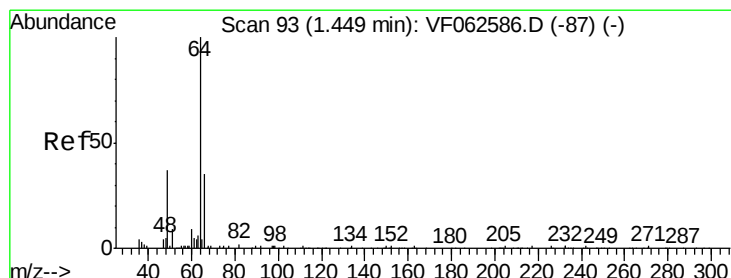
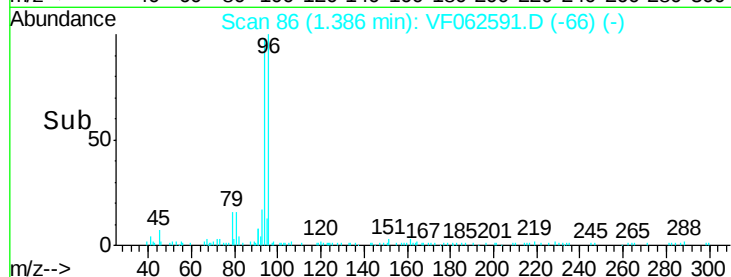
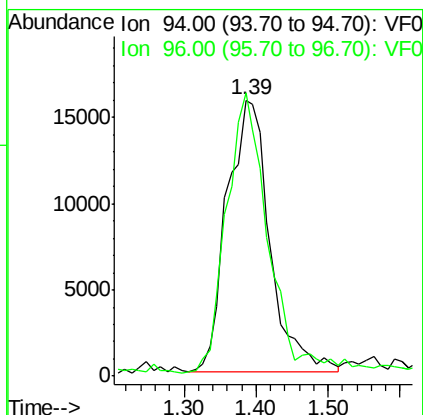
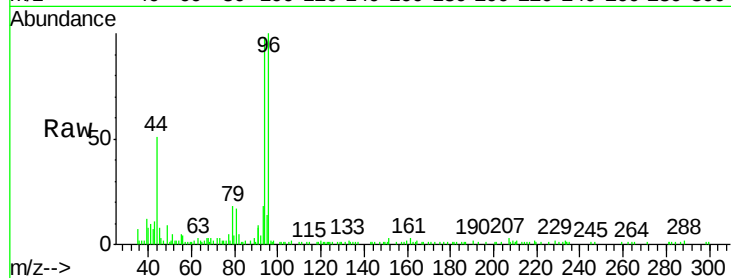
VF0514SBS01

Tot Ion: 94 Resp: 64720

Ion Ratio Lower Upper

94 100

96 102.5 79.3 118.9



#6

Chloroethane

Concen: 20.585 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062591.D

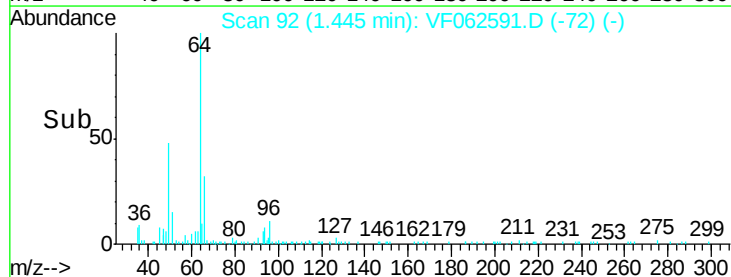
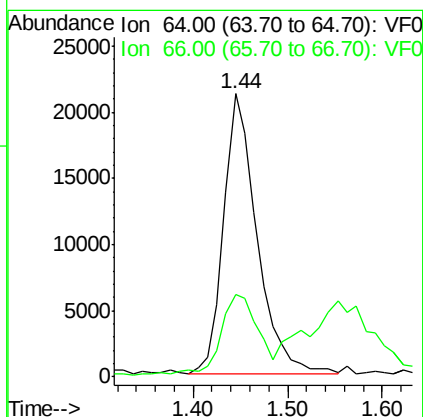
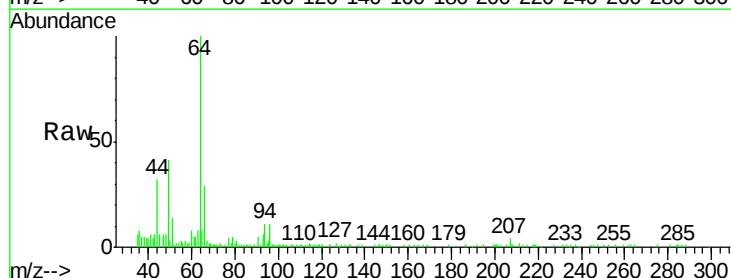
Acq: 14 May 2019 20:41

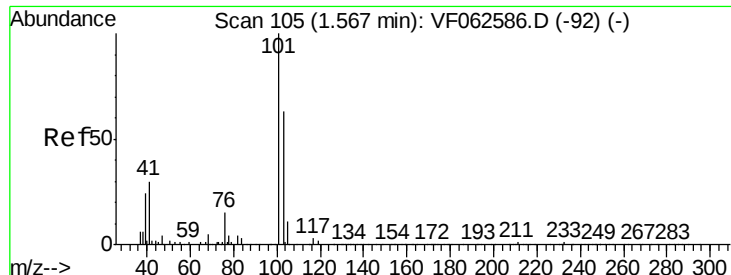
Tgt Ion: 64 Resp: 52260

Ion Ratio Lower Upper

64 100

66 28.9 28.9 43.3



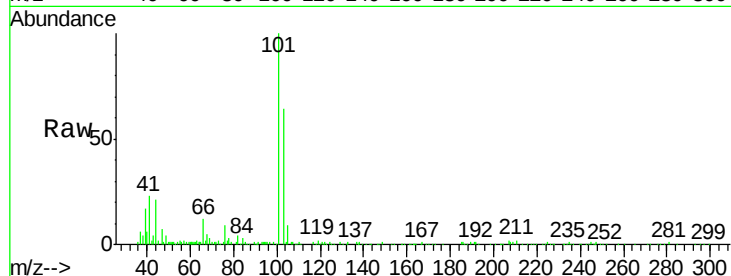


#7

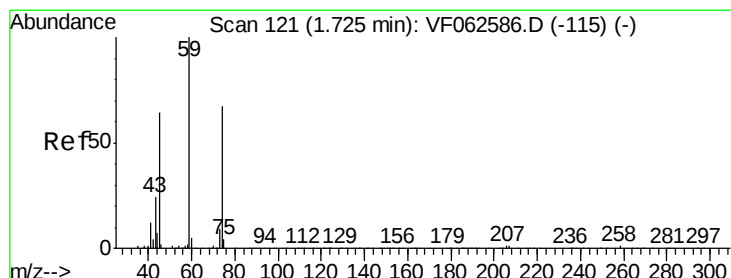
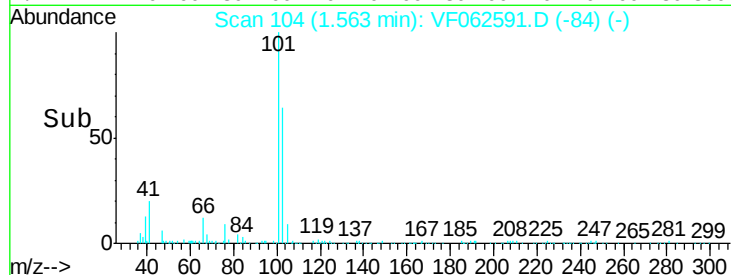
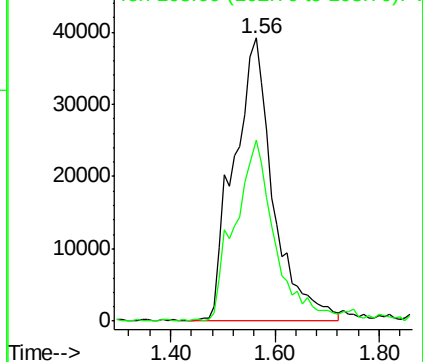
Trichlorofluoromethane
 Concen: 22.002 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

Tot Ion:101 Resp: 201534
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.8 76.2



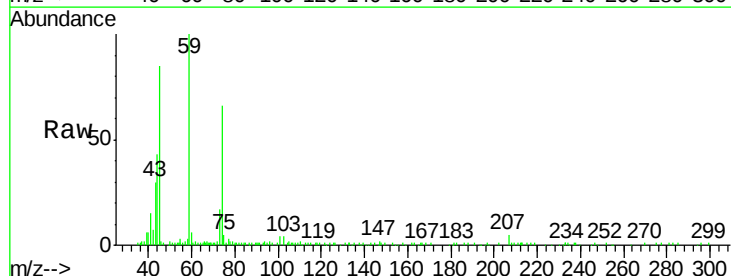
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



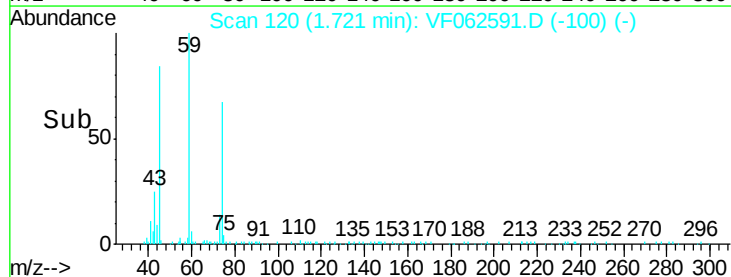
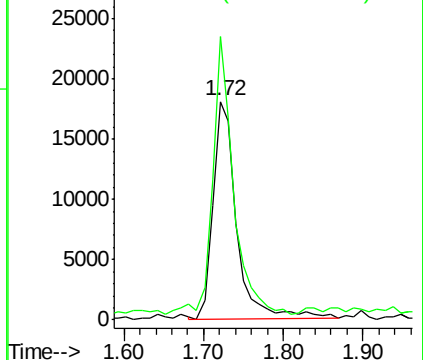
#8

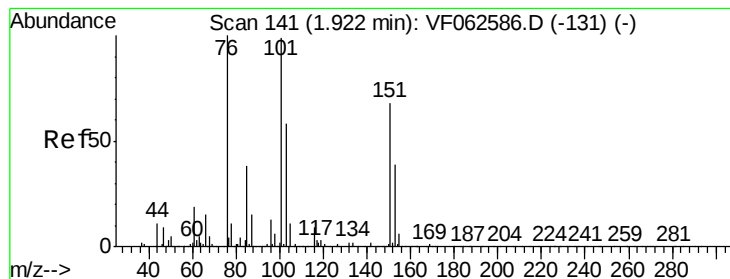
Diethyl Ether
 Concen: 18.239 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Tgt Ion: 74 Resp: 37449
 Ion Ratio Lower Upper
 74 100
 45 129.5 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VF0
 Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.369 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

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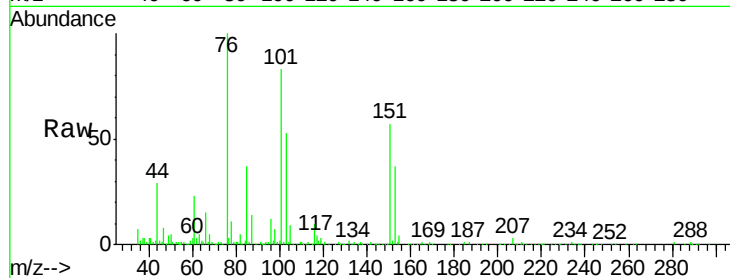
Tot Ion:101 Resp: 139760

Ion Ratio Lower Upper

101 100

85 45.2 30.2 45.4

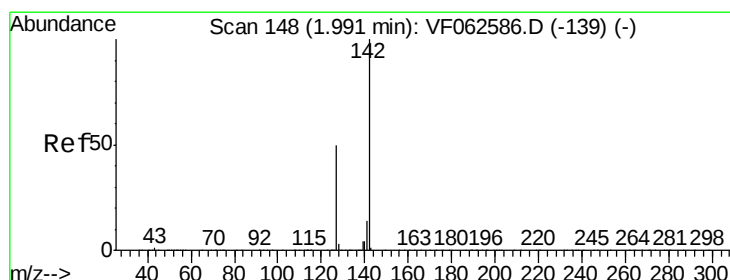
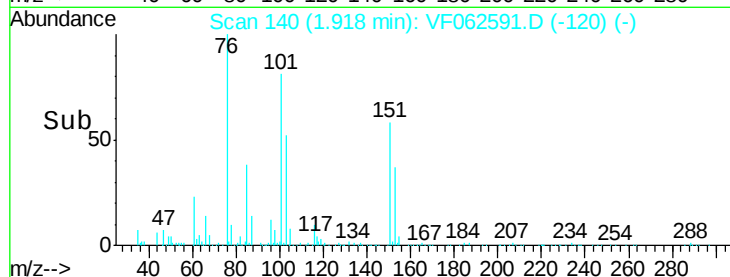
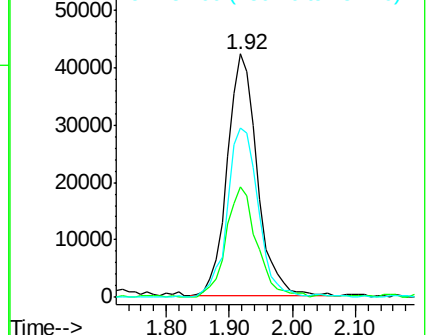
151 69.4 54.5 81.7



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: 21.810 ug/l

RT: 1.99 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

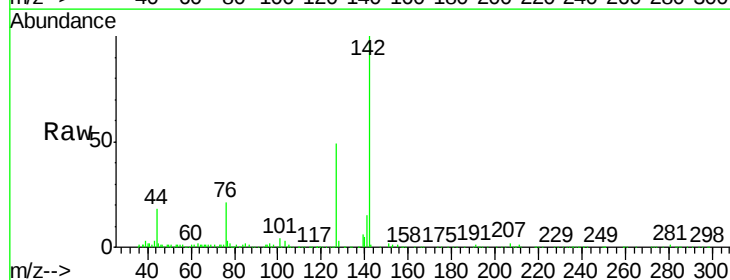
Tgt Ion:142 Resp: 242698

Ion Ratio Lower Upper

142 100

127 48.9 40.2 60.4

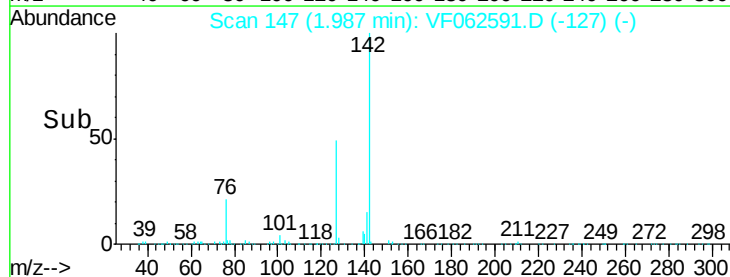
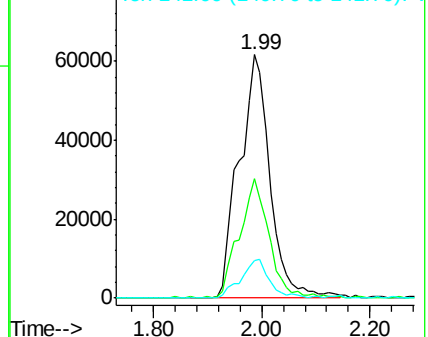
141 15.4 11.6 17.4

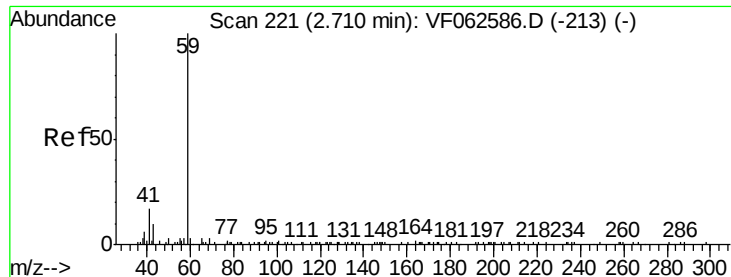


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

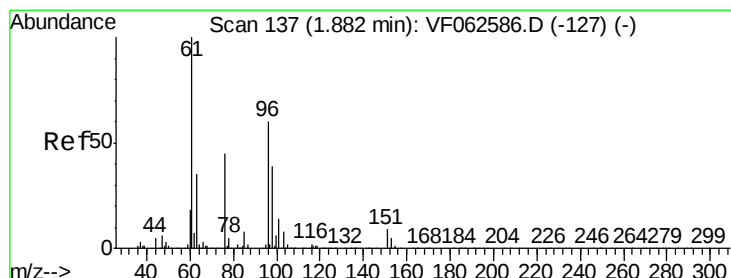
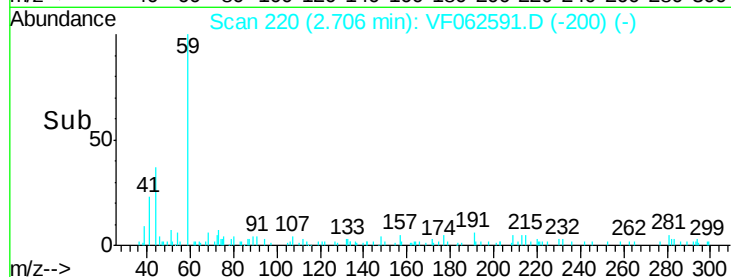
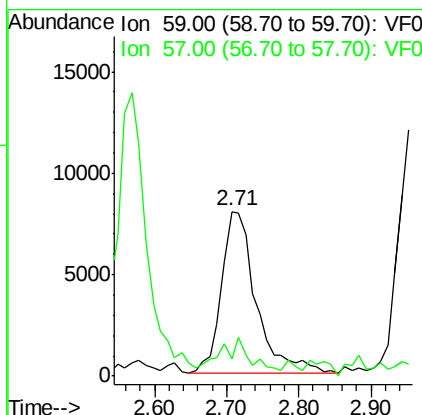
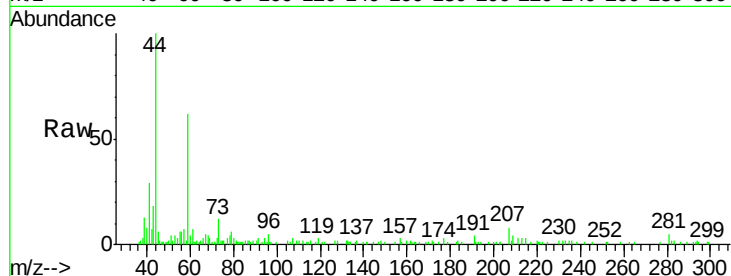




#11
Tert butyl alcohol
Concen: 100.071 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

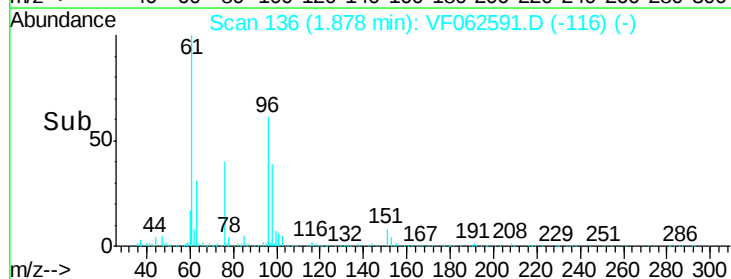
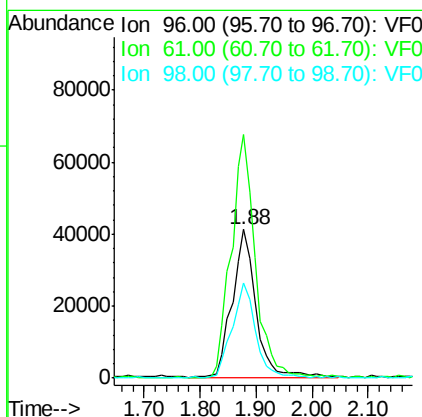
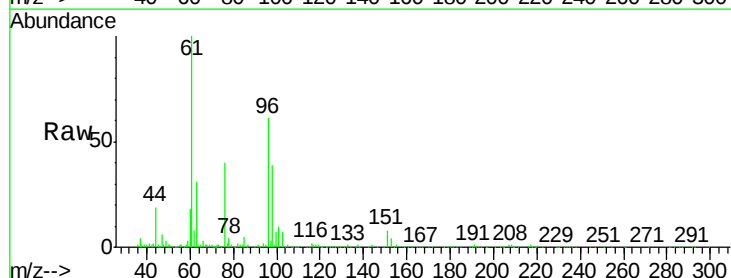
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

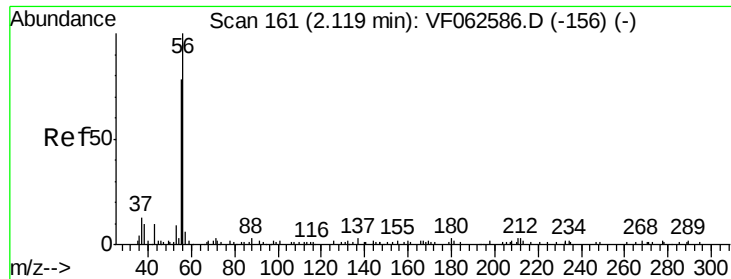
Tot Ion: 59 Resp: 26809
Ion Ratio Lower Upper
59 100
57 10.6 8.0 12.0



#12
1,1-Dichloroethene
Concen: 22.409 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 96 Resp: 119937
Ion Ratio Lower Upper
96 100
61 164.2 132.0 198.0
98 63.9 51.3 76.9

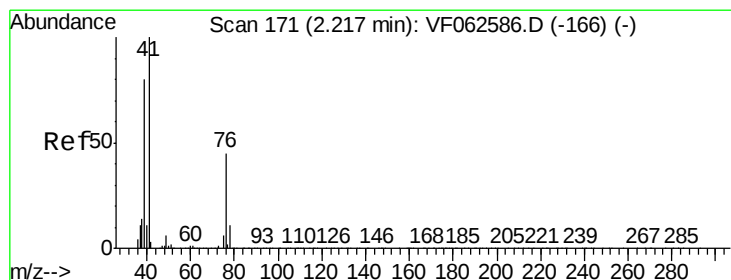
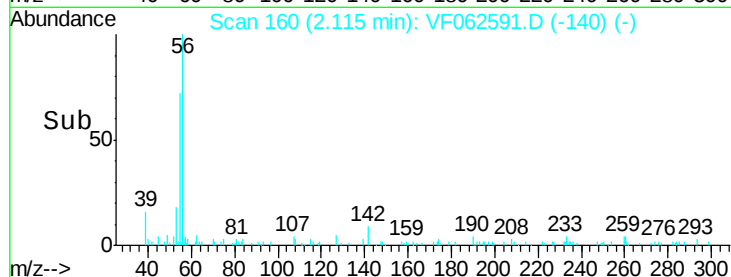
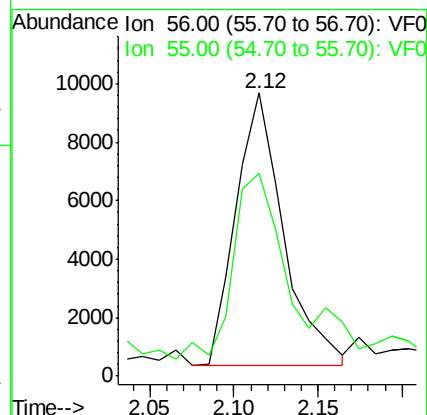
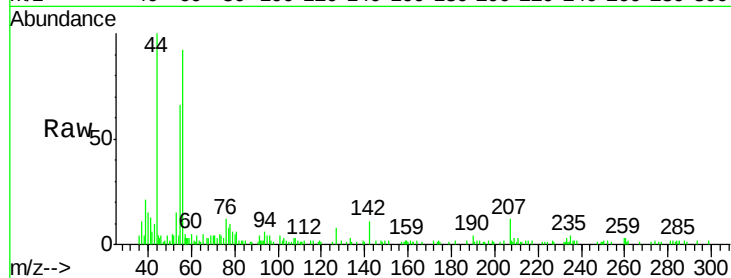




#13
Acrolein
Concen: 103.157 ug/l
RT: 2.12 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

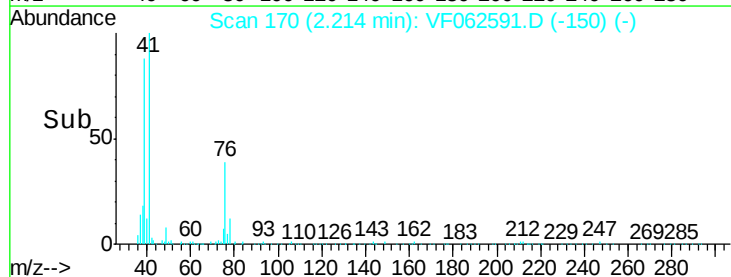
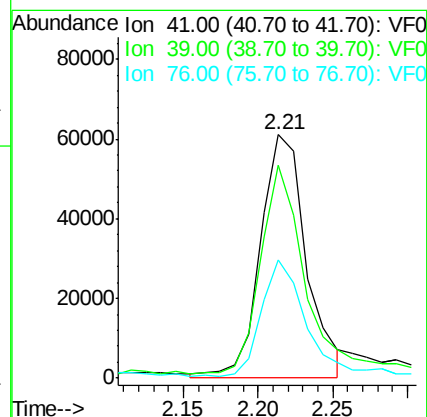
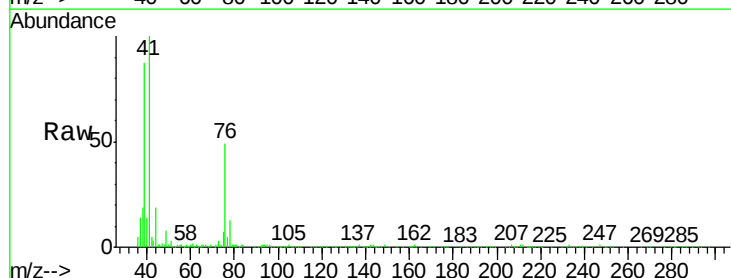
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

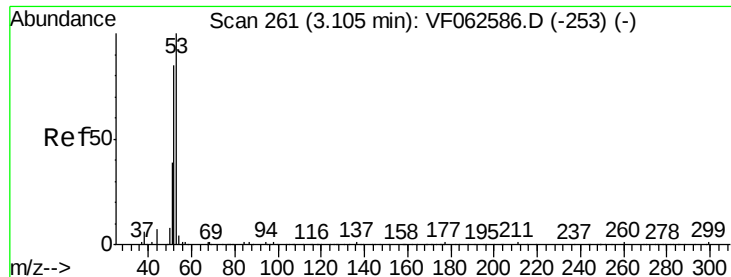
Tot Ion: 56 Resp: 18315
Ion Ratio Lower Upper
56 100
55 71.5 64.6 96.8



#14
Allyl chloride
Concen: 23.979 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 41 Resp: 131321
Ion Ratio Lower Upper
41 100
39 87.4 64.6 96.8
76 48.6 36.1 54.1





#15

Acrylonitrile

Concen: 92.519 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

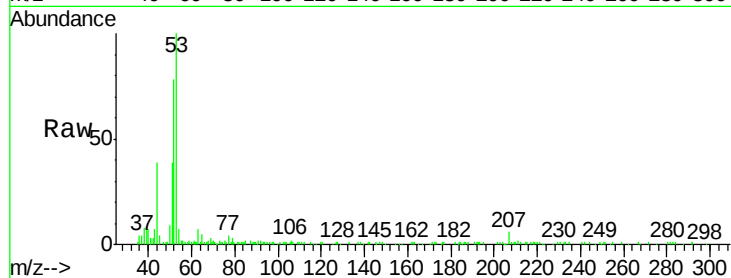
MSVOA_F

ClientSampleId :

VF0514SBS01

Tot Ion: 53 Resp: 88663

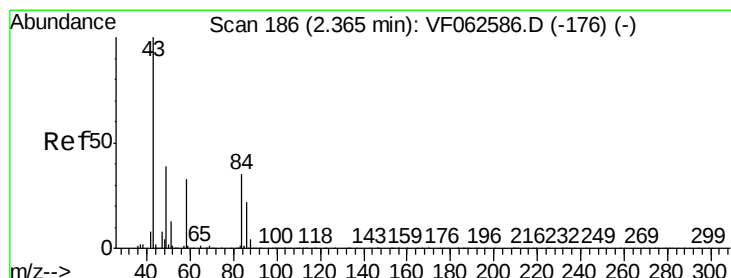
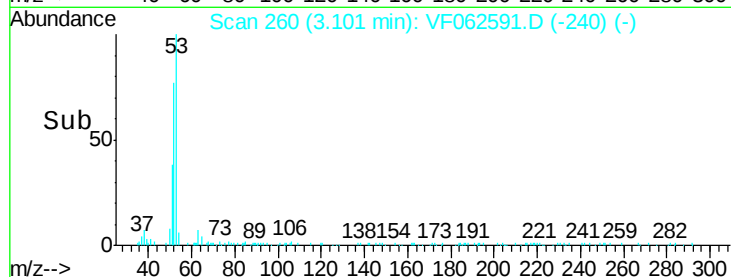
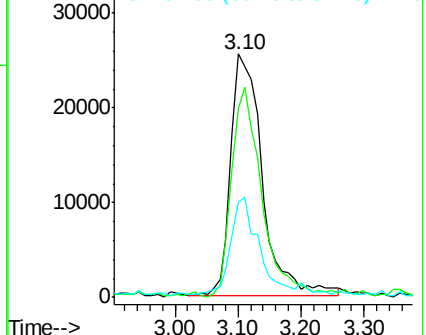
Ion	Ratio	Lower	Upper
53	100		
52	77.6	68.3	102.5
51	39.1	31.5	47.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 100.279 ug/l

RT: 2.36 min Scan# 185

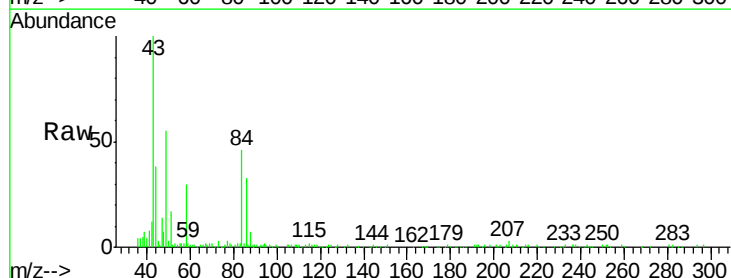
Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

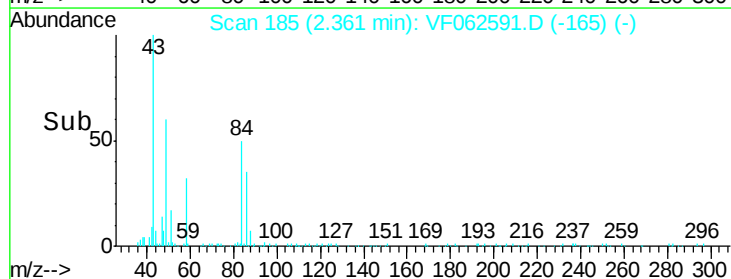
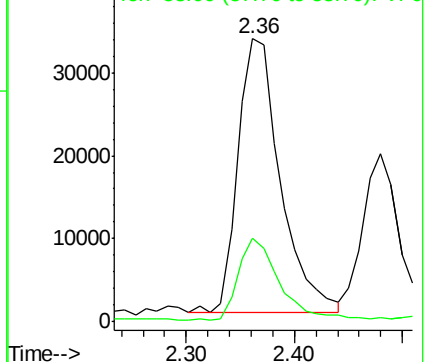
Tgt Ion: 43 Resp: 90541

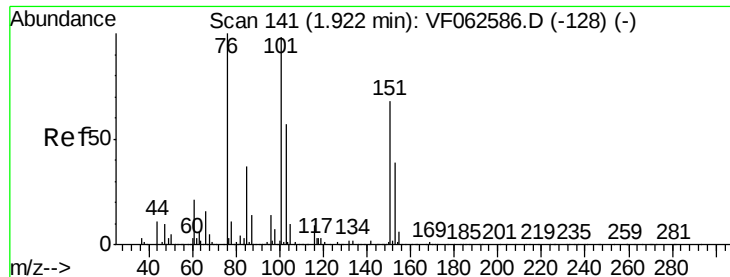
Ion	Ratio	Lower	Upper
43	100		
58	29.7	26.7	40.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.204 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

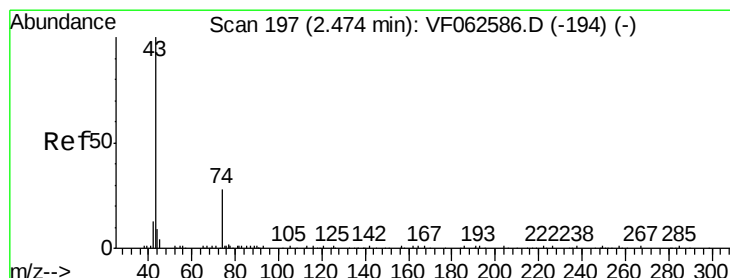
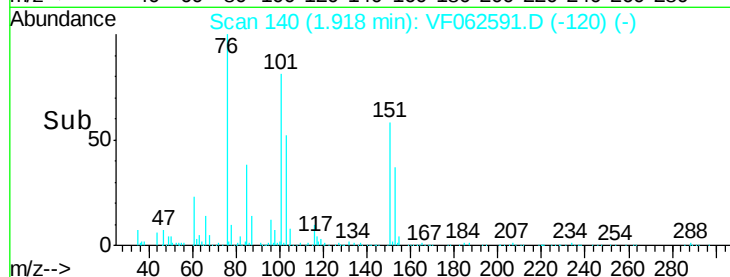
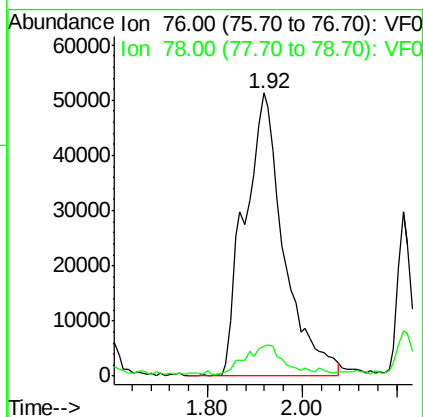
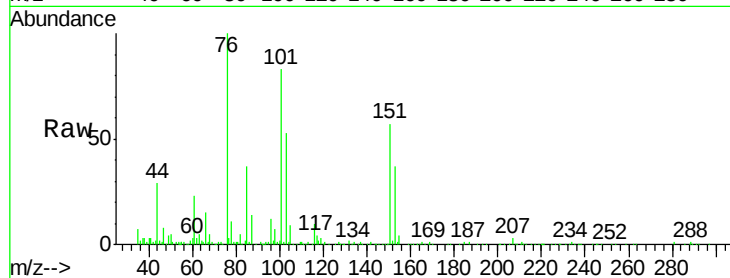
VF0514SBS01

Tot Ion: 76 Resp: 296437

Ion Ratio Lower Upper

76 100

78 10.6 9.0 13.4



#18

Methyl Acetate

Concen: 18.617 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062591.D

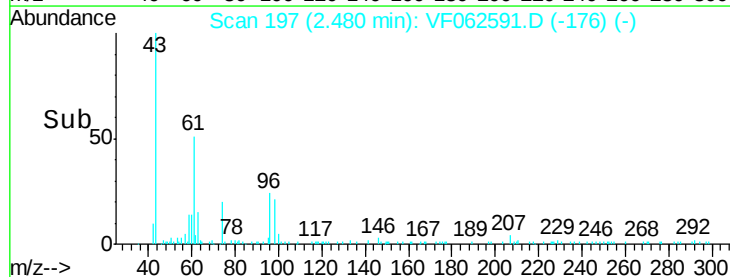
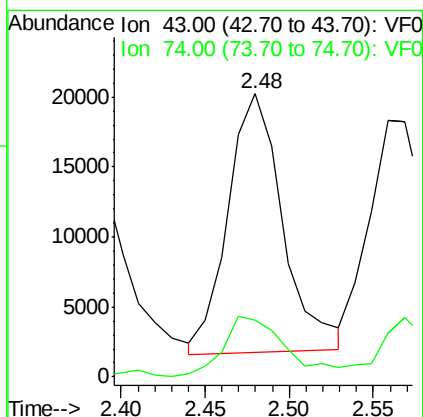
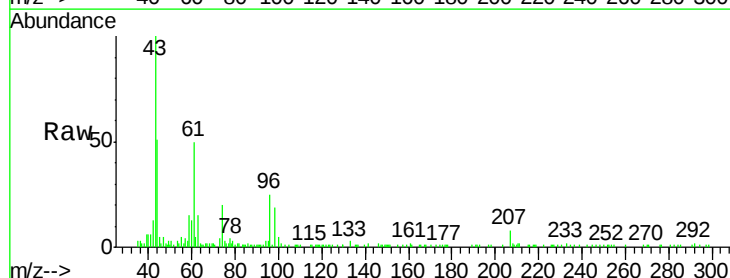
Acq: 14 May 2019 20:41

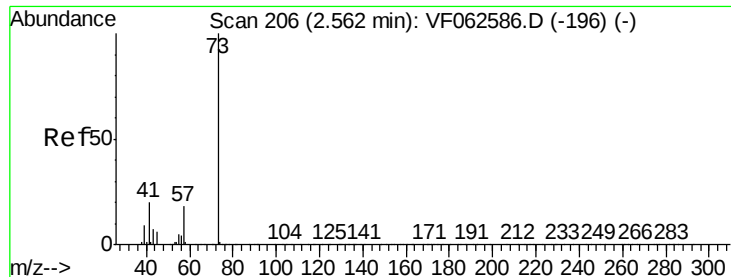
Tgt Ion: 43 Resp: 41900

Ion Ratio Lower Upper

43 100

74 19.9 21.4 32.0#



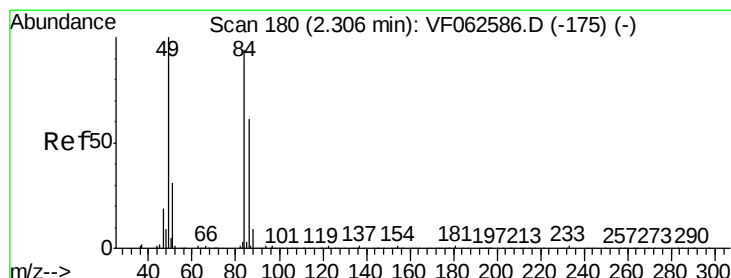
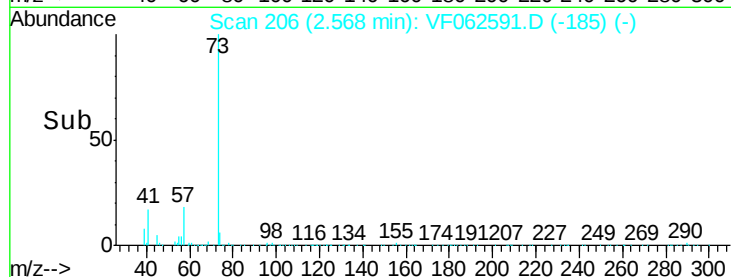
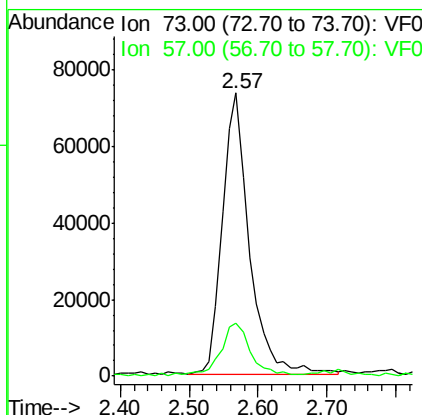
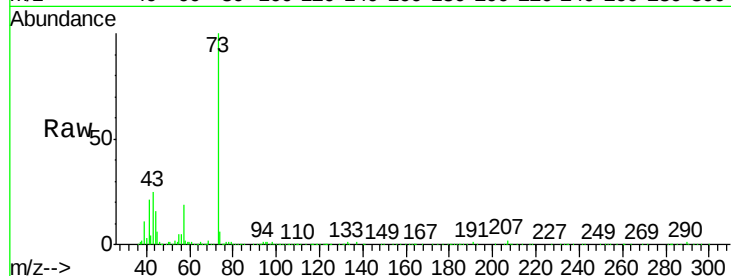


#19

Methyl tert-butyl Ether
 Concen: 20.754 ug/l
 RT: 2.57 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

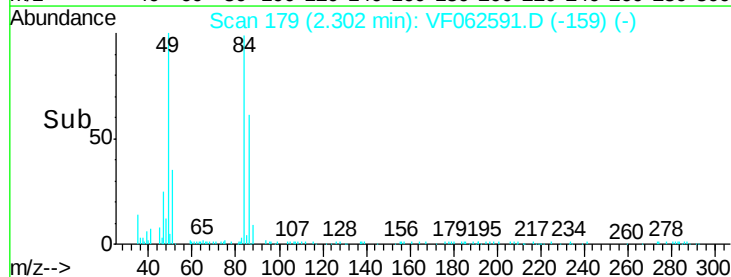
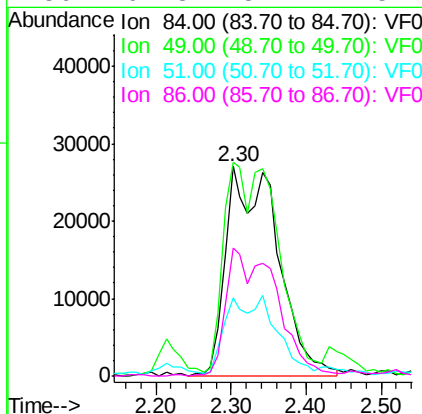
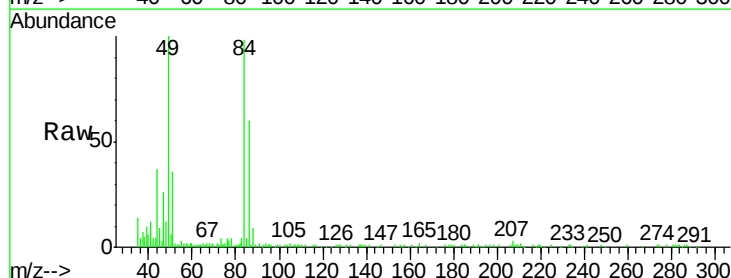
Tot Ion: 73 Resp: 197778
 Ion Ratio Lower Upper
 73 100
 57 18.8 14.6 22.0

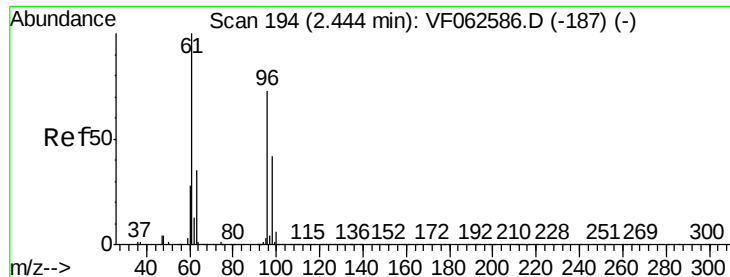


#20

Methylene Chloride
 Concen: 20.157 ug/l m
 RT: 2.30 min Scan# 179
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Tgt Ion: 84 Resp: 128251
 Ion Ratio Lower Upper
 84 100
 49 101.8 86.9 130.3
 51 37.1 27.0 40.6
 86 61.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.602 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

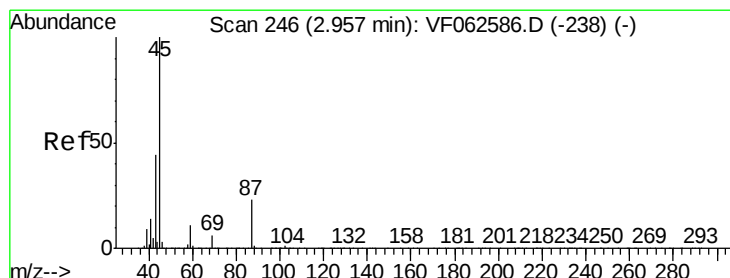
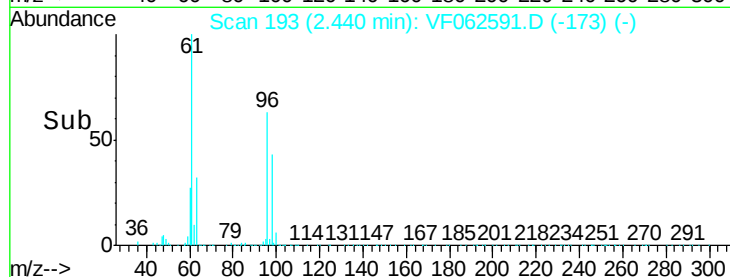
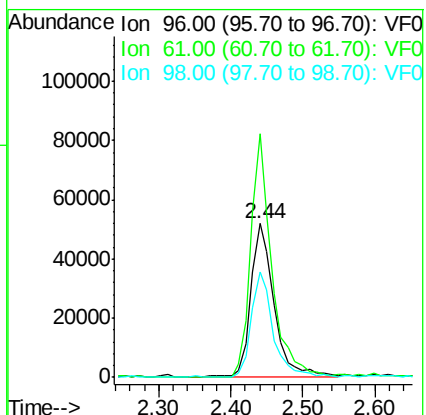
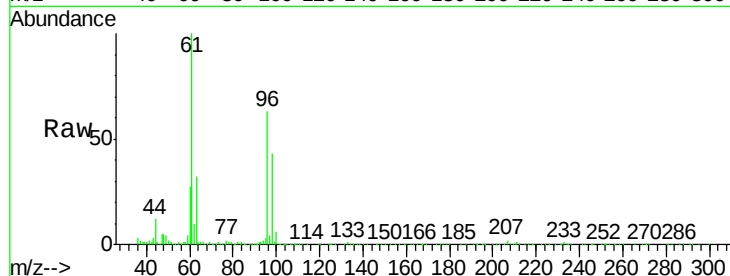
Tot Ion: 96 Resp: 116517

Ion Ratio Lower Upper

96 100

61 158.2 109.2 163.8

98 68.3 46.3 69.5



#22

Diisopropyl ether

Concen: 22.817 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Tgt Ion: 45 Resp: 290539

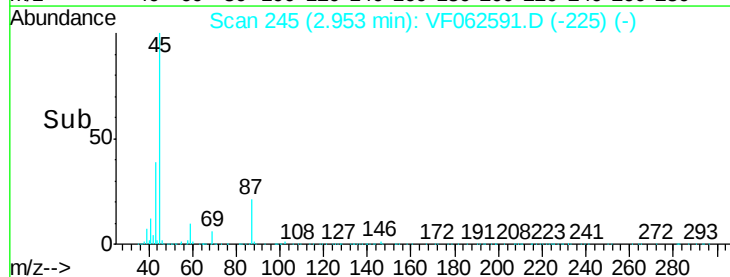
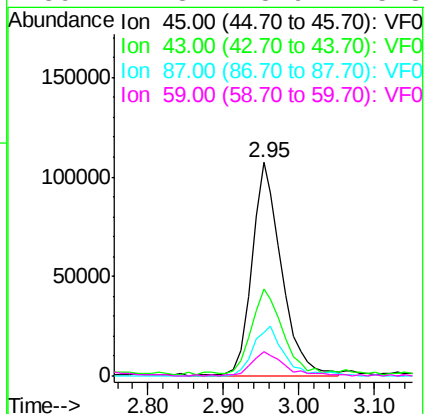
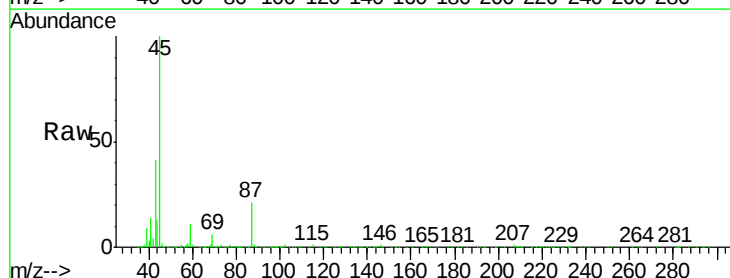
Ion Ratio Lower Upper

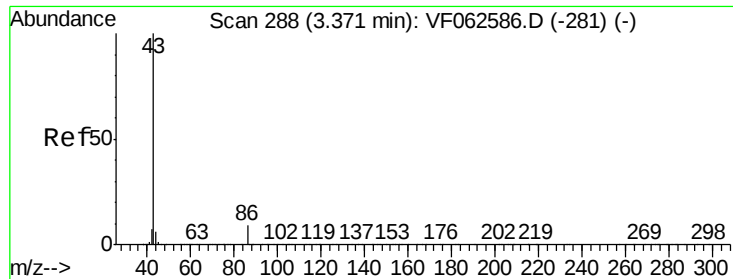
45 100

43 40.7 35.4 53.0

87 20.6 18.4 27.6

59 11.3 8.9 13.3





#23

Vinyl Acetate

Concen: 110.288 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

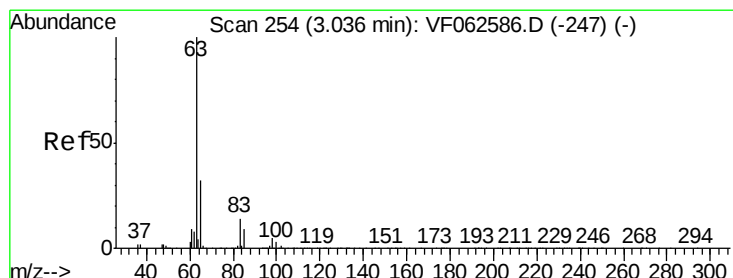
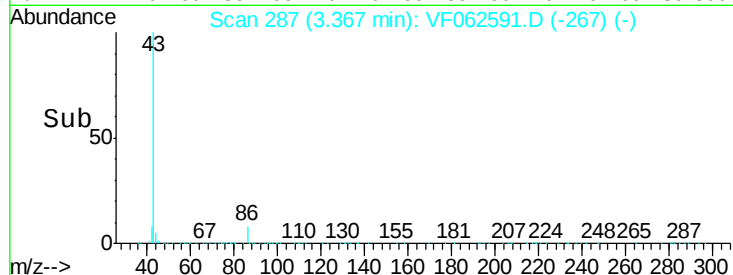
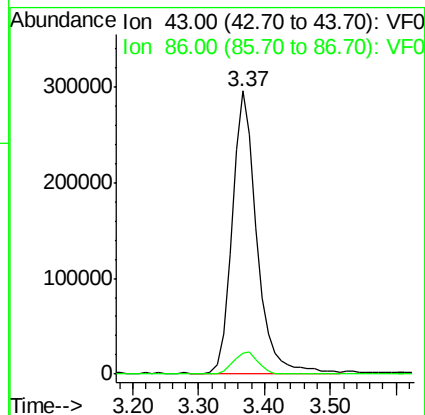
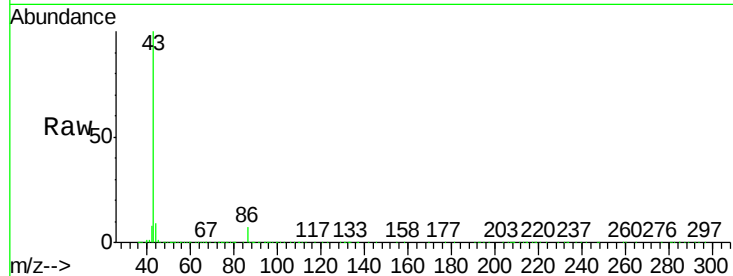
VF0514SBS01

Tot Ion: 43 Resp: 768140

Ion Ratio Lower Upper

43 100

86 7.5 7.1 10.7



#24

1,1-Dichloroethane

Concen: 20.737 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

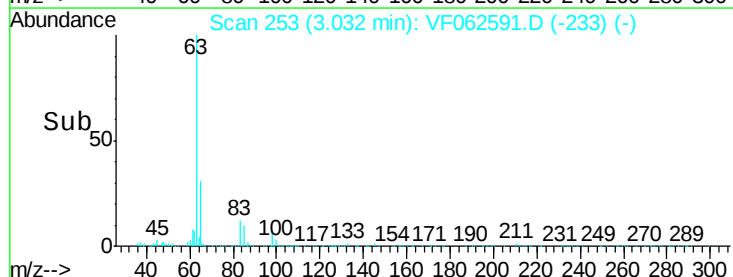
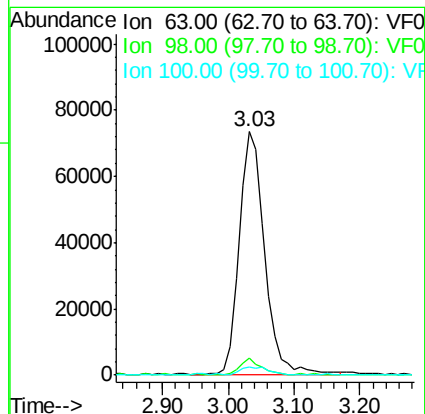
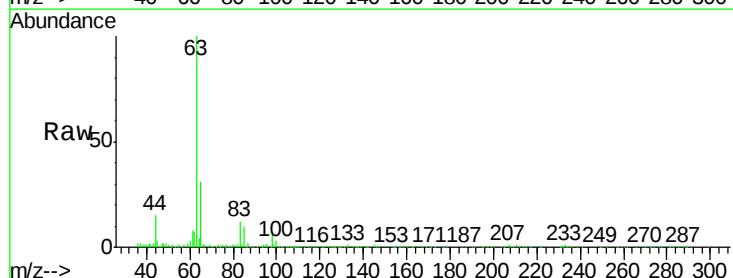
Tgt Ion: 63 Resp: 201016

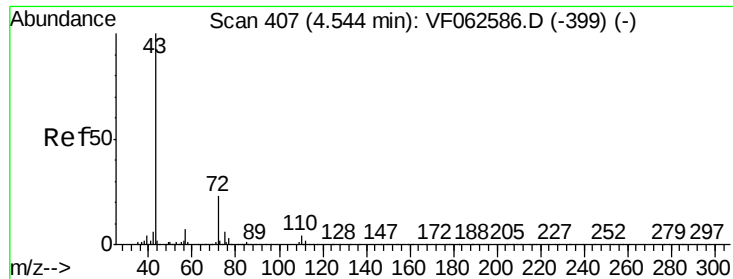
Ion Ratio Lower Upper

63 100

98 7.1 2.6 7.8

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 102.322 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

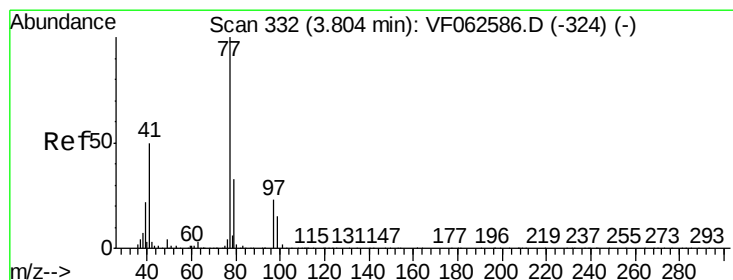
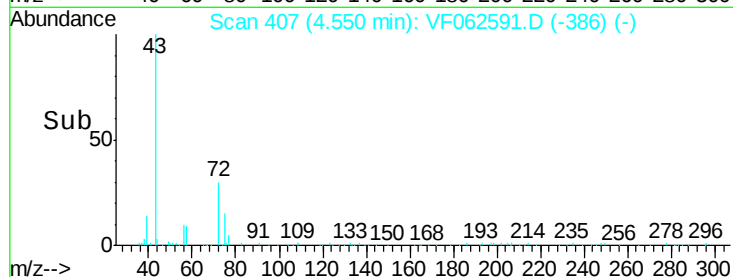
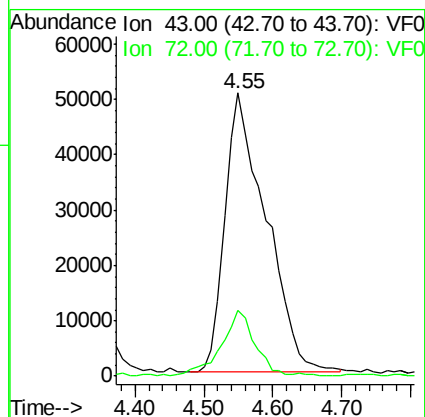
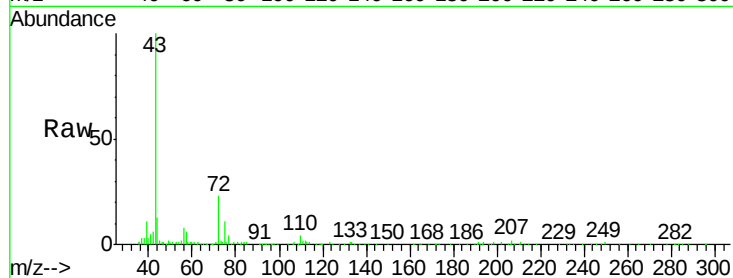
VF0514SBS01

Tot Ion: 43 Resp: 208863

Ion Ratio Lower Upper

43 100

72 23.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 20.696 ug/l

RT: 3.81 min Scan# 332

Delta R.T. 0.01 min

Lab File: VF062591.D

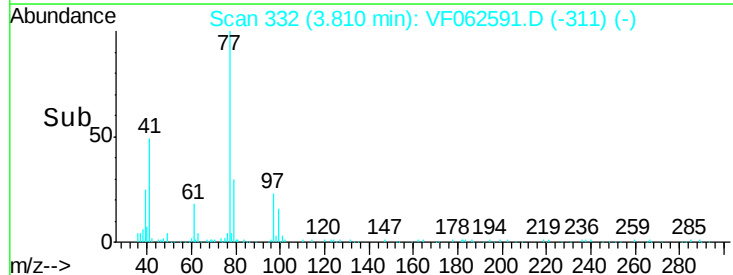
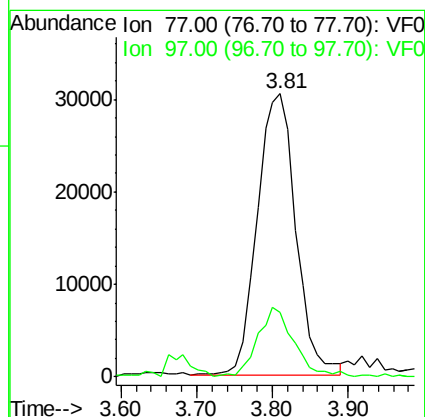
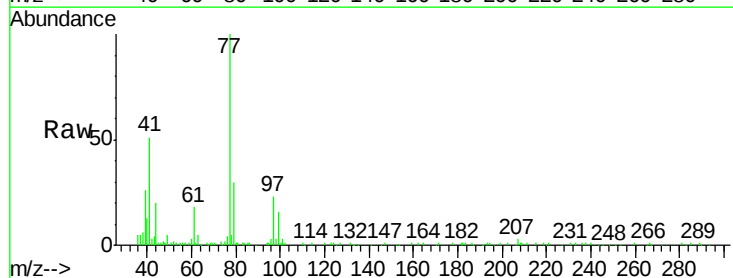
Acq: 14 May 2019 20:41

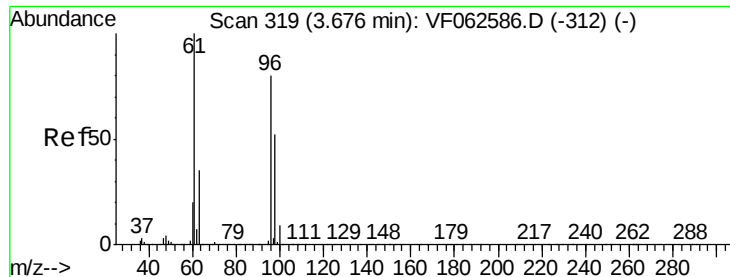
Tgt Ion: 77 Resp: 108272

Ion Ratio Lower Upper

77 100

97 22.9 12.0 36.0



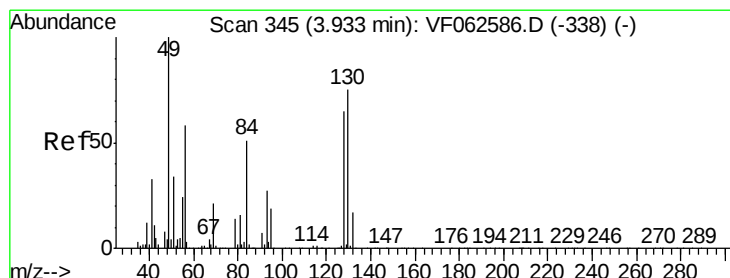
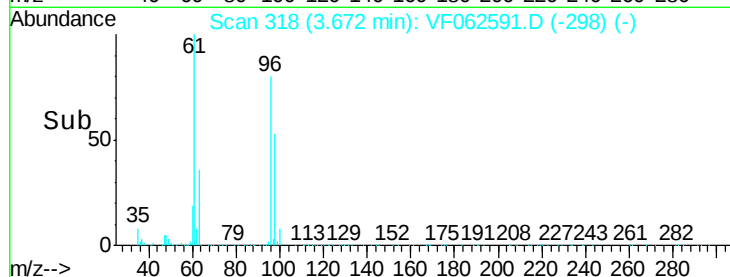
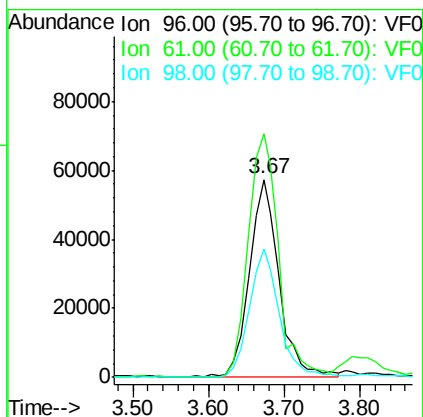
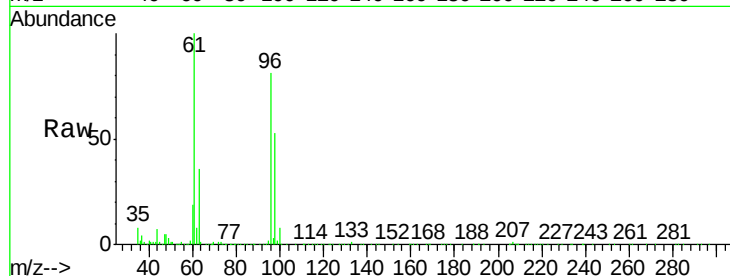


#27

cis-1,2-Dichloroethene
Concen: 20.571 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

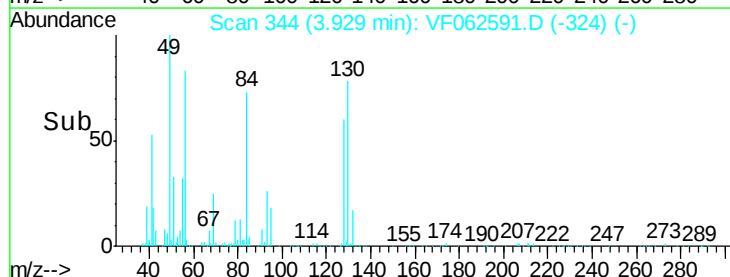
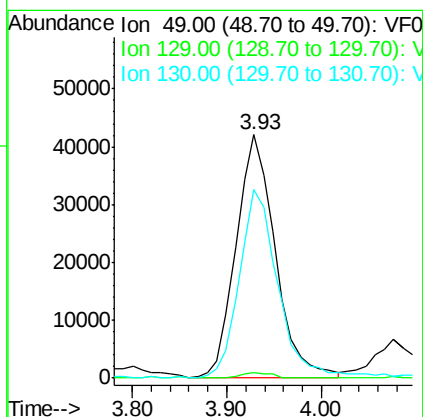
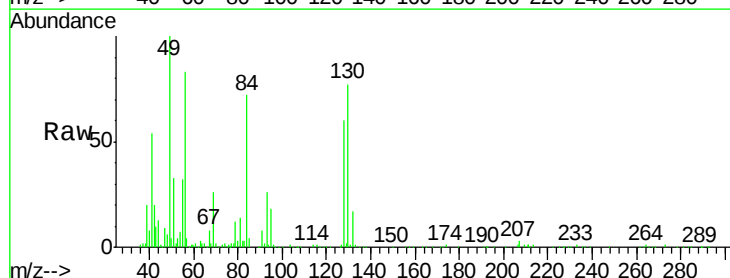
Tot Ion: 96 Resp: 156764
Ion Ratio Lower Upper
96 100
61 123.1 0.0 251.4
98 65.0 0.0 129.8

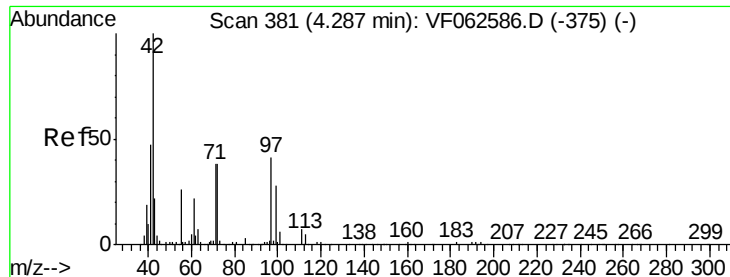


#28

Bromochloromethane
Concen: 21.981 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 49 Resp: 119767
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.0
130 78.7 59.7 89.5

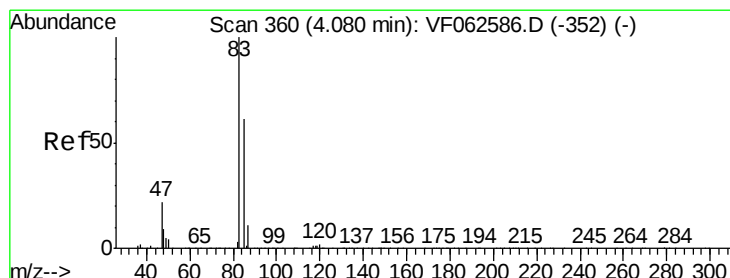
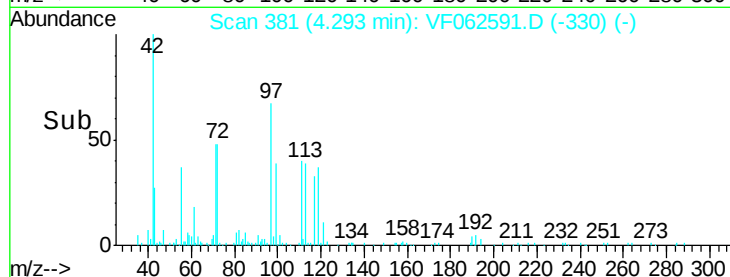
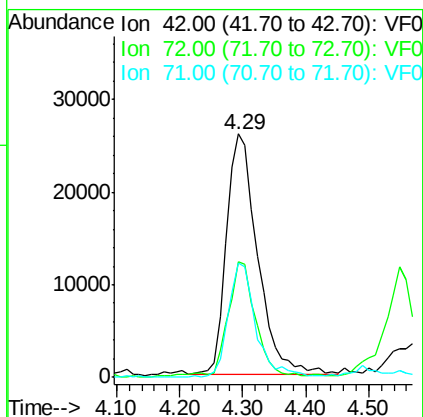
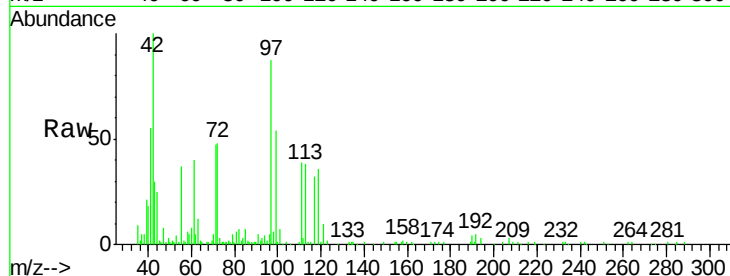




#29
Tetrahydrofuran
Concen: 103.468 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

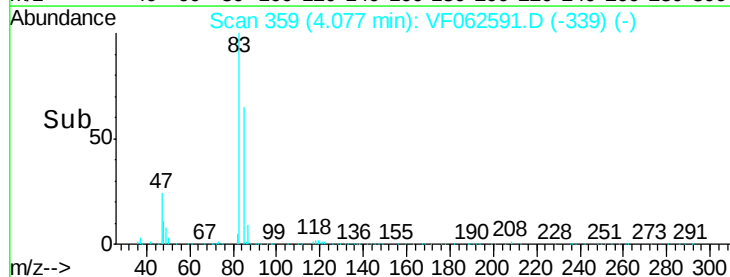
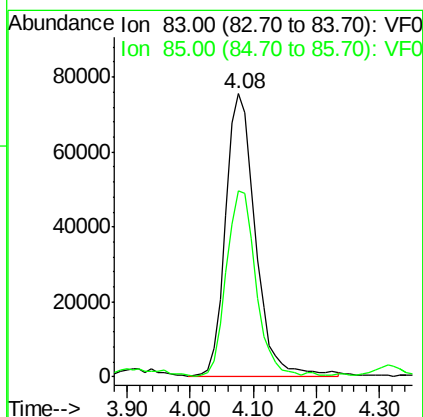
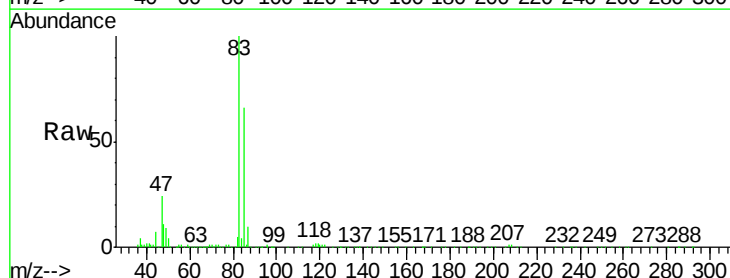
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

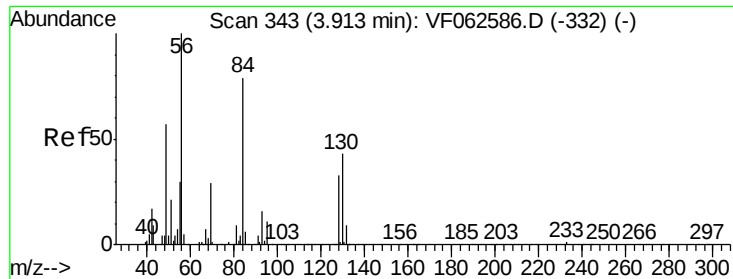
Tot Ion: 42 Resp: 89375
Ion Ratio Lower Upper
42 100
72 40.2 34.0 51.0
71 41.7 32.8 49.2



#30
Chloroform
Concen: 21.185 ug/l
RT: 4.08 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 83 Resp: 246409
Ion Ratio Lower Upper
83 100
85 66.0 48.7 73.1

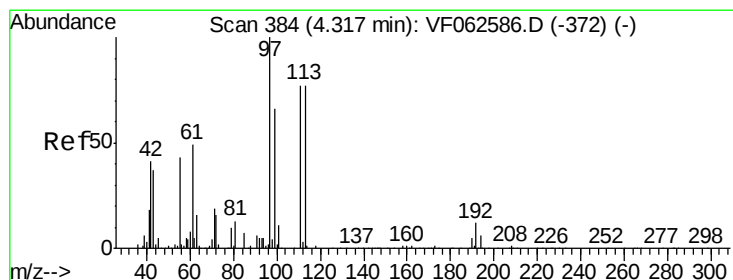
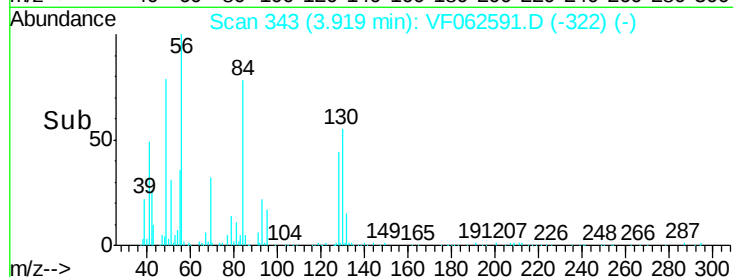
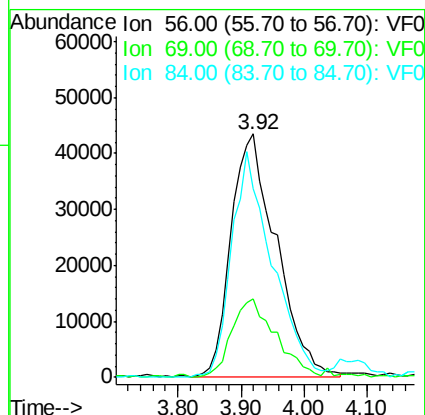
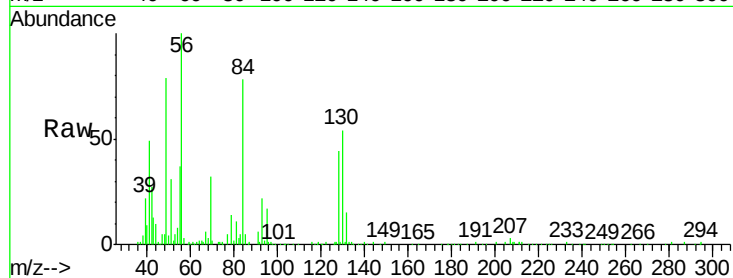




#31
Cvclohexane
Concen: 21.238 ug/l
RT: 3.92 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

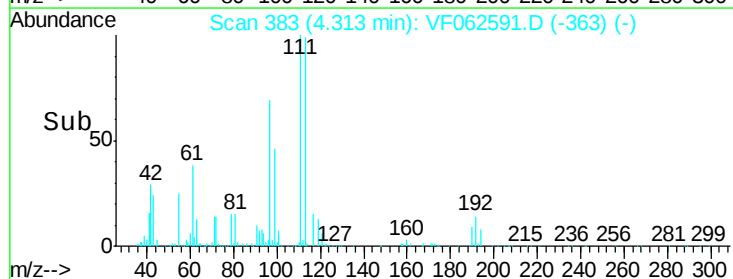
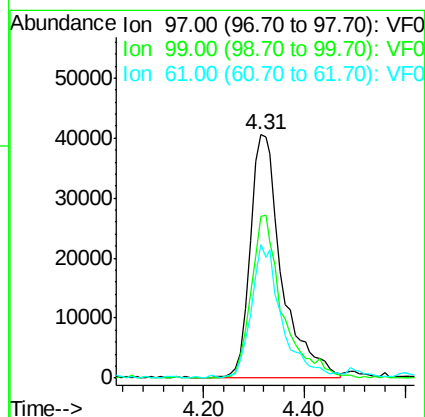
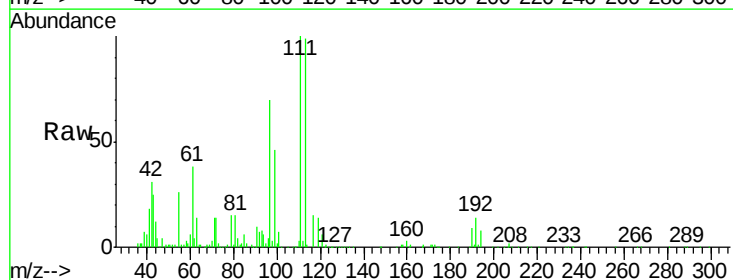
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

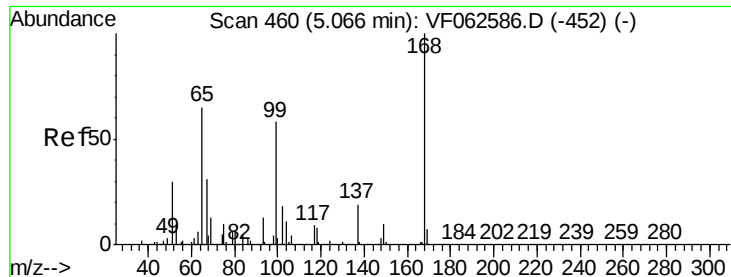
Tot Ion: 56 Resp: 214560
Ion Ratio Lower Upper
56 100
69 32.0 22.9 34.3
84 77.6 63.4 95.2



#32
1,1,1-Trichloroethane
Concen: 22.721 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 97 Resp: 178139
Ion Ratio Lower Upper
97 100
99 66.6 53.4 80.0
61 55.0 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 43.142 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

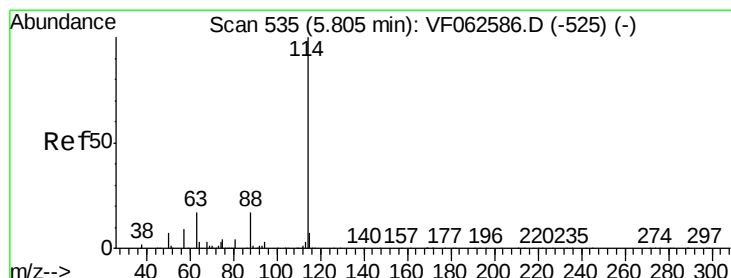
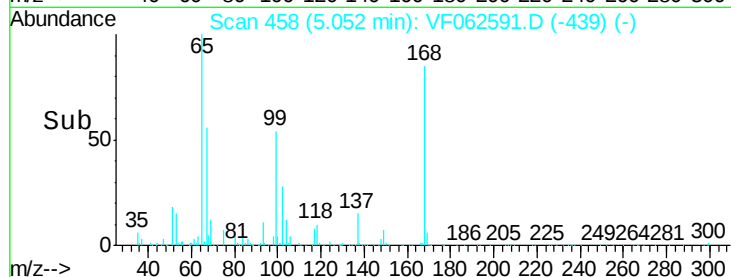
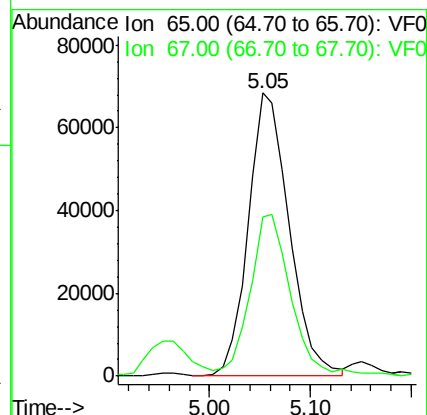
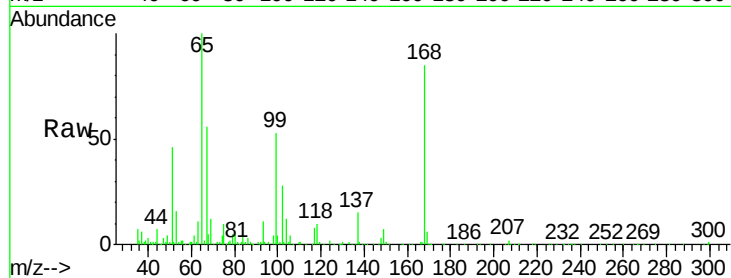
VF0514SBS01

Tot Ion: 65 Resp: 191966

Ion Ratio Lower Upper

65 100

67 56.2 0.0 116.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

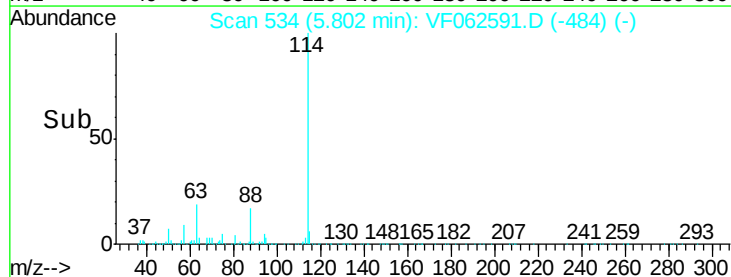
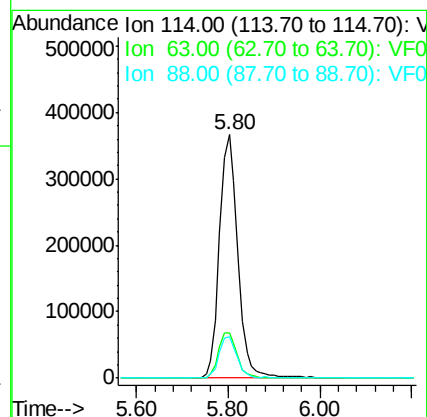
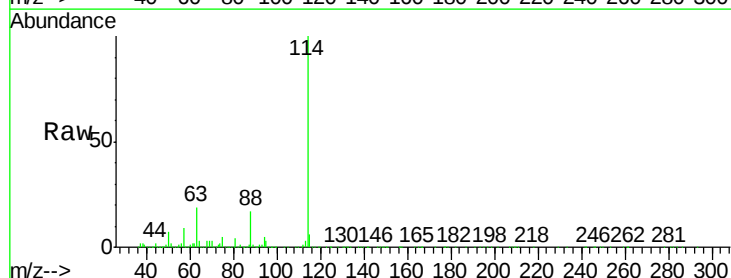
Tgt Ion: 114 Resp: 1008747

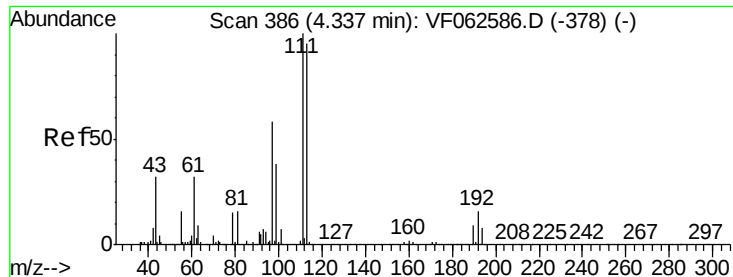
Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.6

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 44.026 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

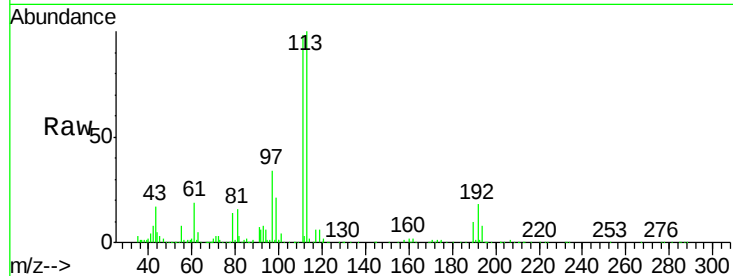
Tot Ion:113 Resp: 330539

Ion Ratio Lower Upper

113 100

111 97.9 83.9 125.9

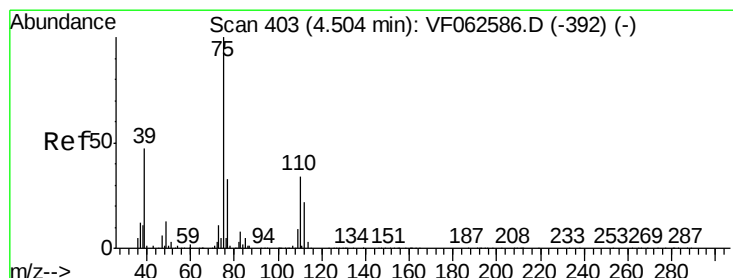
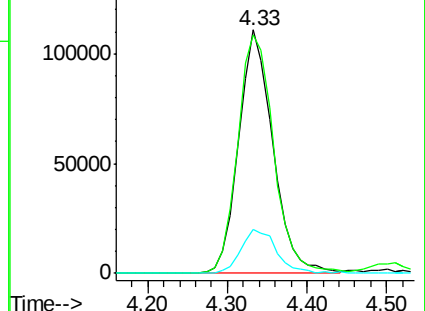
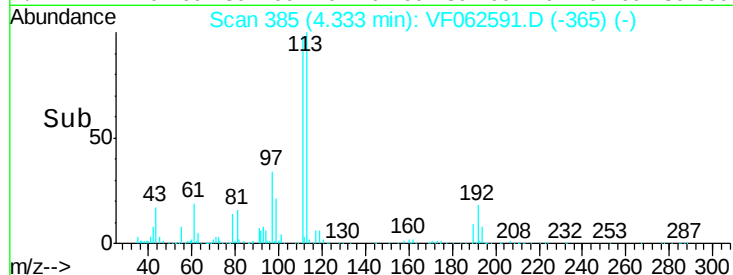
192 18.3 13.7 20.5



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: 21.158 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

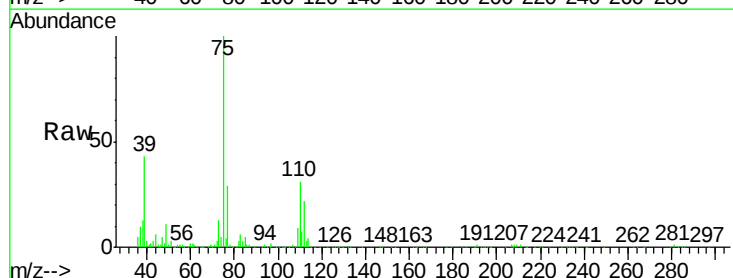
Tgt Ion: 75 Resp: 184682

Ion Ratio Lower Upper

75 100

110 31.1 17.3 51.7

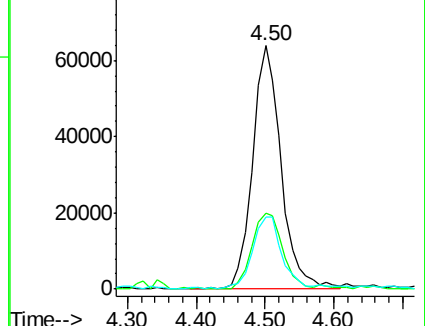
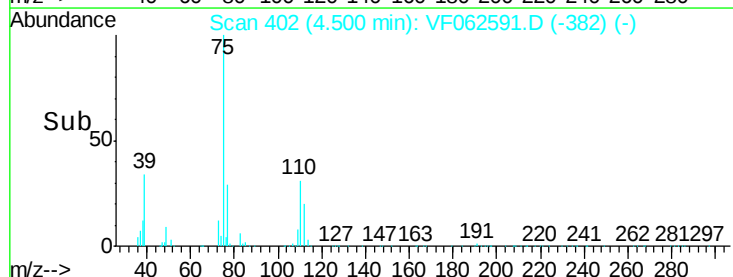
77 29.4 26.4 39.6

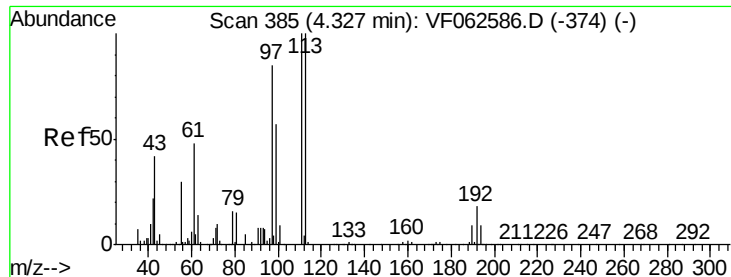


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

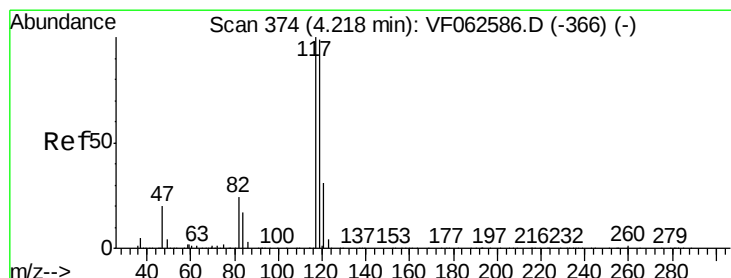
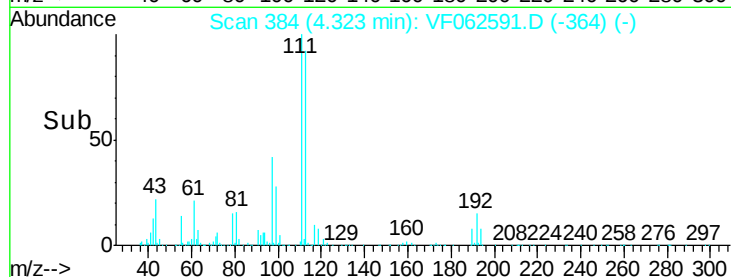
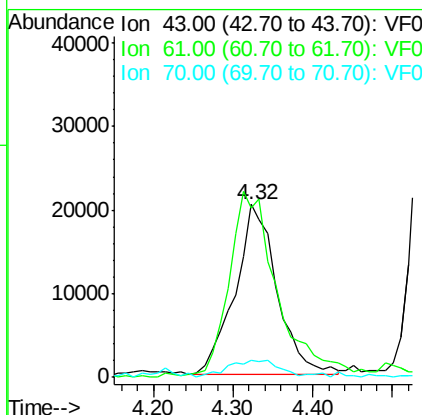
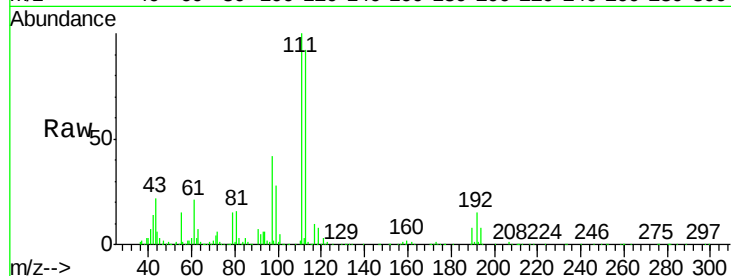




#37
Ethyl Acetate
Concen: 20.846 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

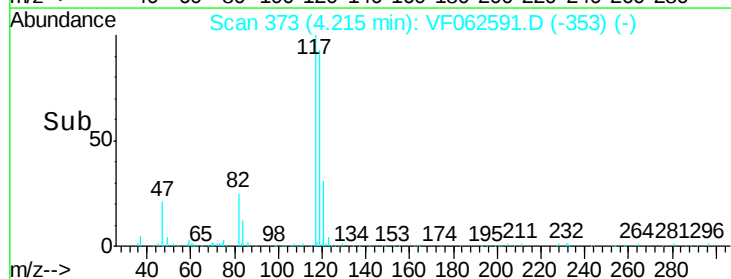
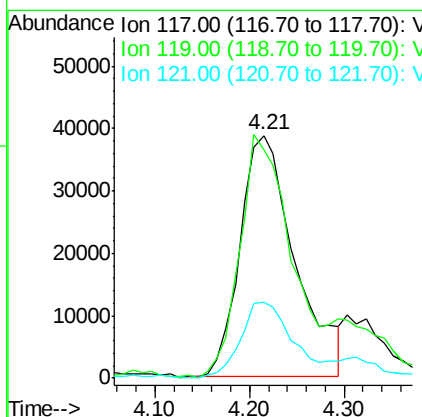
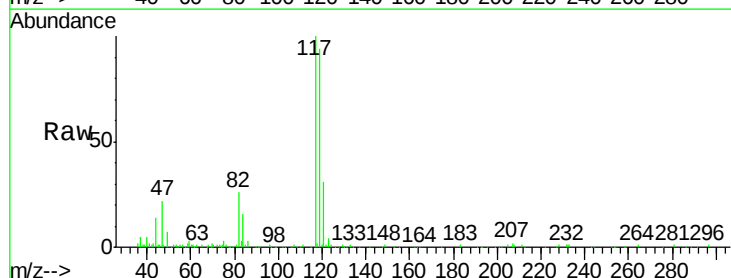
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

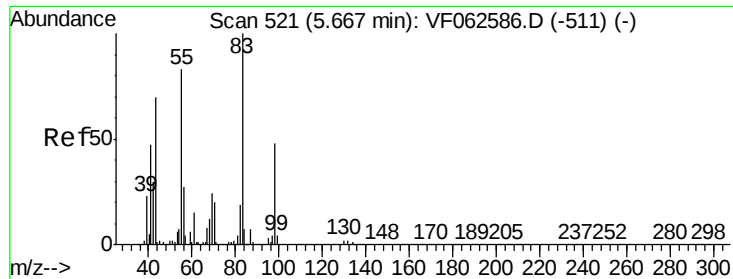
Tot Ion: 43 Resp: 74772
Ion Ratio Lower Upper
43 100
61 97.9 88.6 132.8
70 9.5 8.3 12.5



#38
Carbon Tetrachloride
Concen: 21.876 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 117 Resp: 156640
Ion Ratio Lower Upper
117 100
119 94.1 79.0 118.6
121 31.3 25.0 37.6

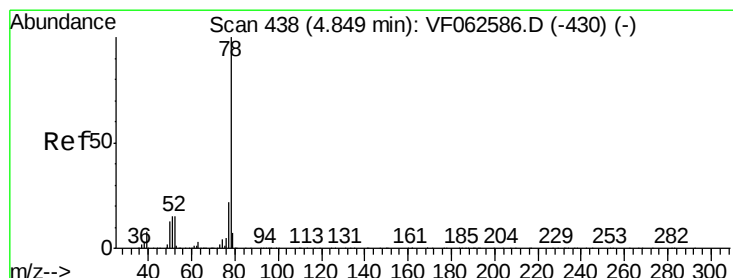
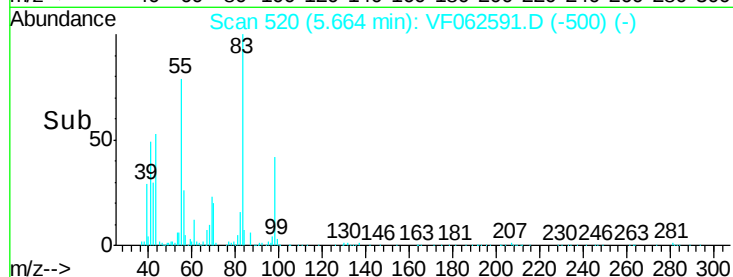
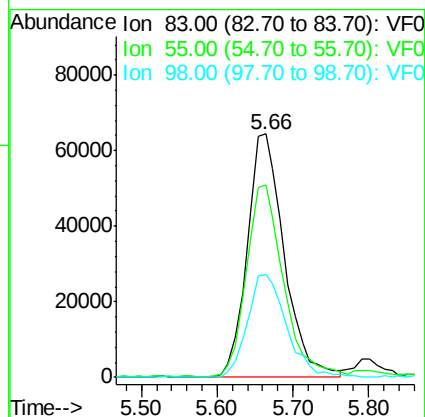
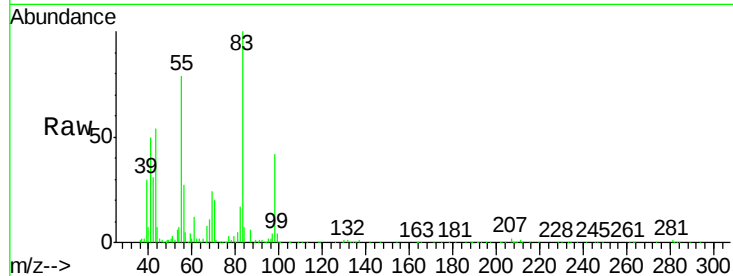




#39
Methvlcvclohexane
Concen: 21.392 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

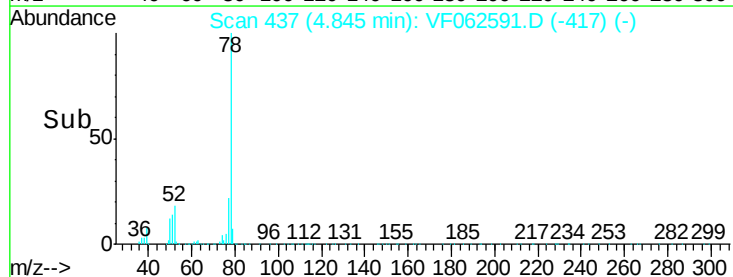
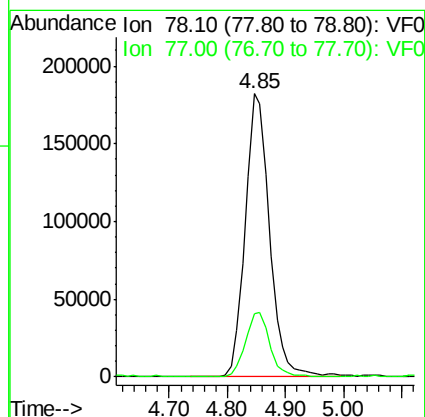
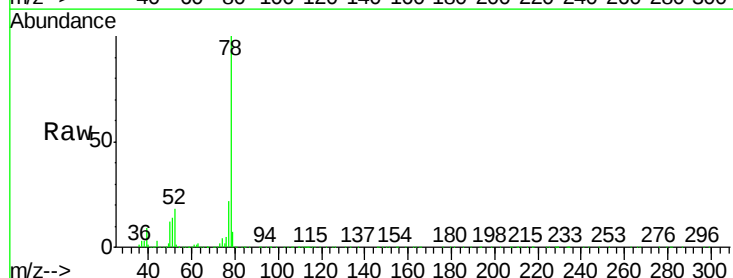
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

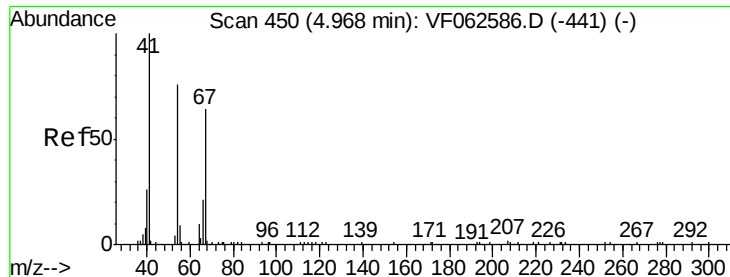
Tot Ion: 83 Resp: 218624
Ion Ratio Lower Upper
83 100
55 79.0 66.6 100.0
98 42.2 38.3 57.5



#40
Benzene
Concen: 21.376 ug/l
RT: 4.85 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 78 Resp: 530828
Ion Ratio Lower Upper
78 100
77 22.4 17.7 26.5

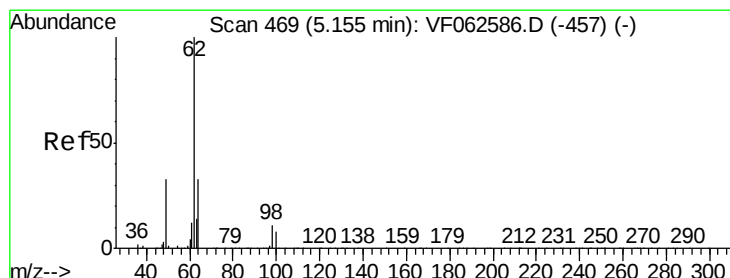
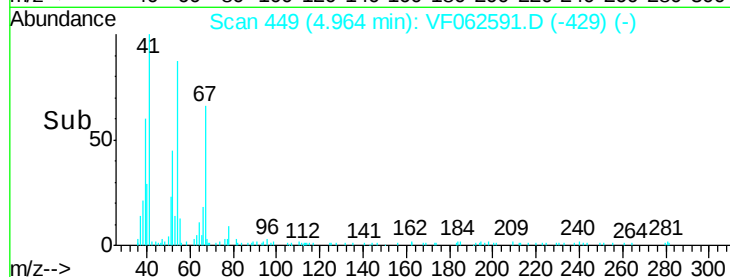
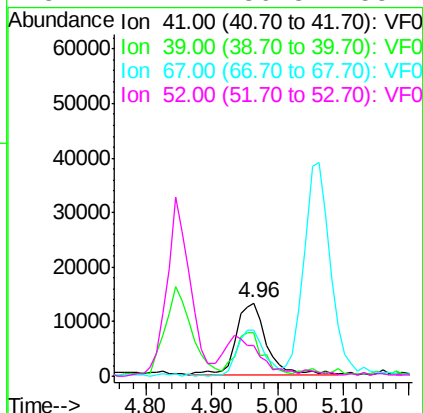
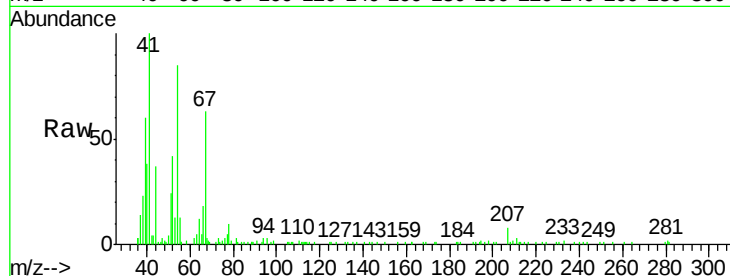




#41
Methacrylonitrile
Concen: 20.799 ug/l
RT: 4.96 min Scan# 449
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

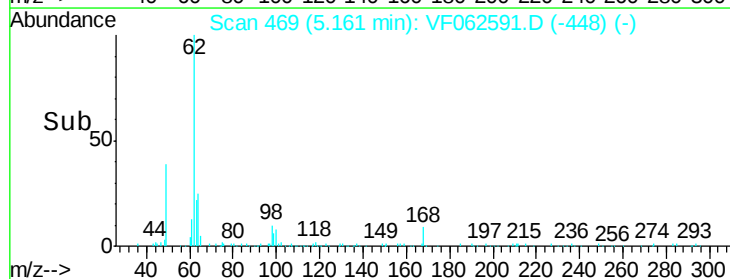
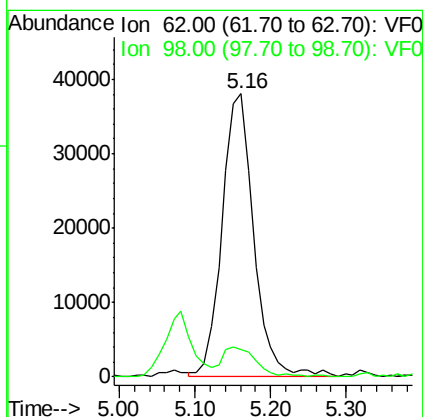
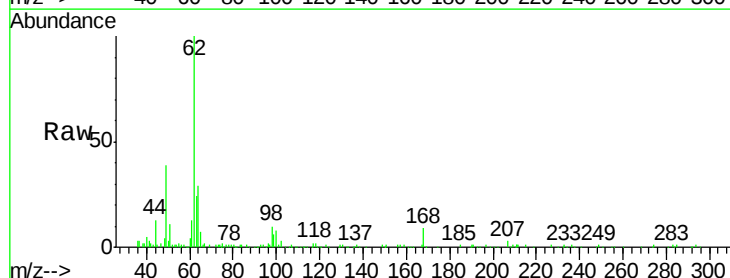
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

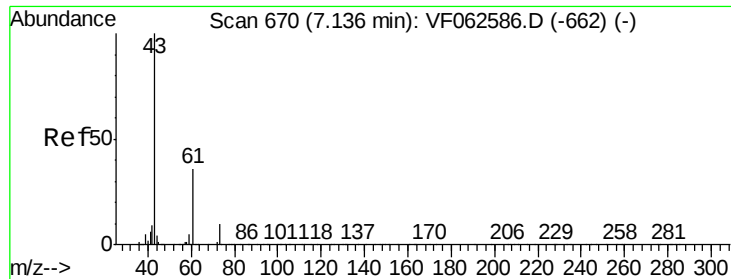
Tot Ion:	41	Resp:	42247
Ion	Ratio	Lower	Upper
41	100		
39	59.5	40.8	61.2
67	62.8	50.2	75.2
52	42.1	36.8	55.2



#42
1,2-Dichloroethane
Concen: 21.030 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion:	62	Resp:	110816
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	22.2





#43

Isopropyl Acetate

Concen: 19.257 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

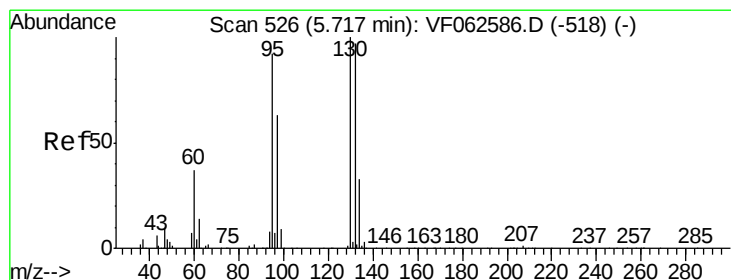
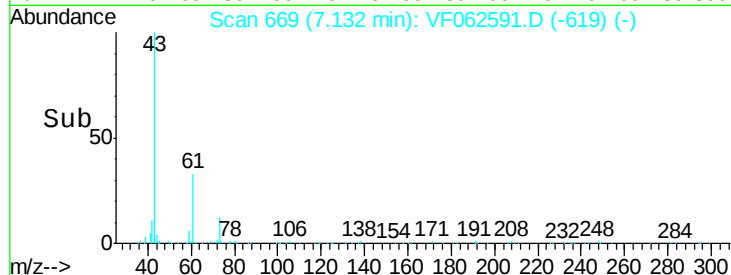
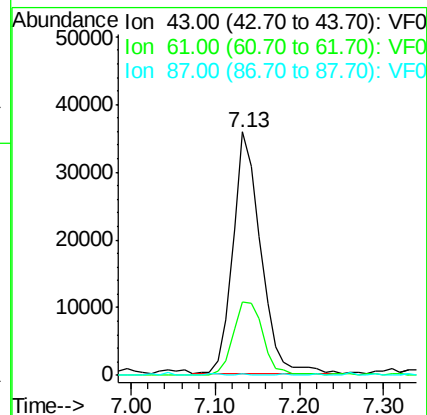
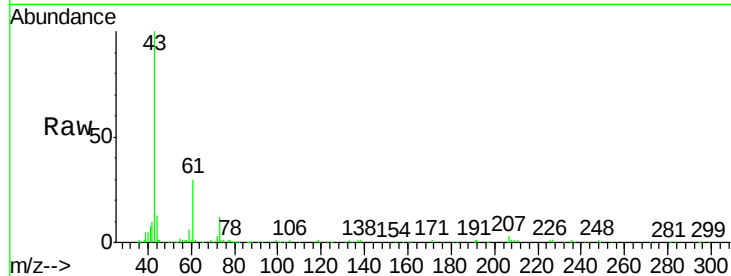
Tot Ion: 43 Resp: 81738

Ion Ratio Lower Upper

43 100

61 30.1 28.5 42.7

87 0.8 0.4 0.6#



#44

Trichloroethene

Concen: 21.010 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.00 min

Lab File: VF062591.D

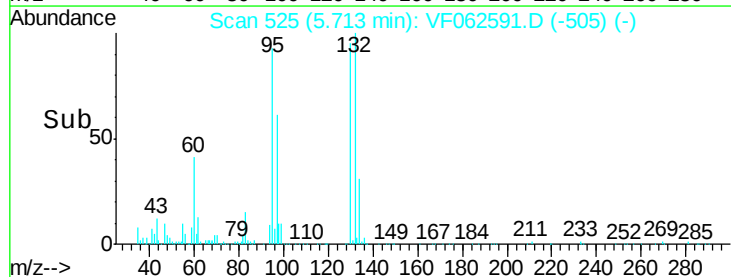
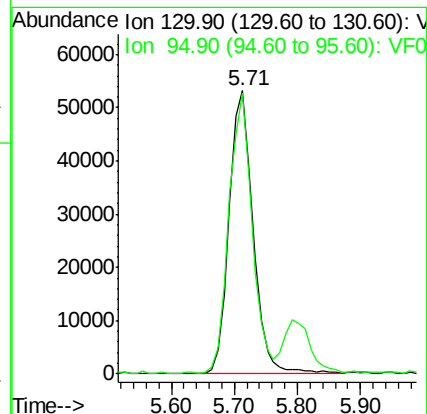
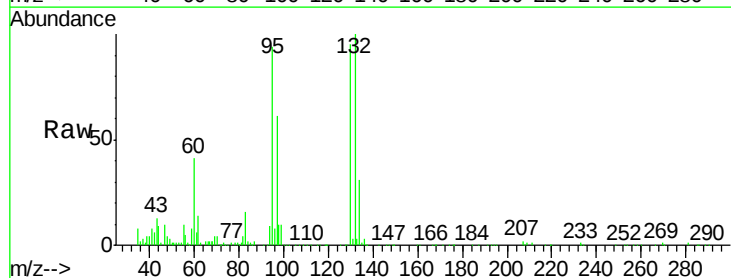
Acq: 14 May 2019 20:41

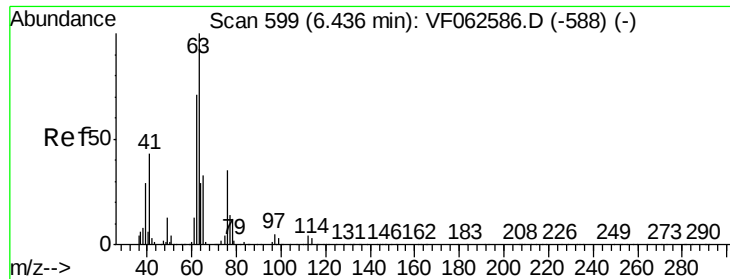
Tgt Ion: 130 Resp: 140897

Ion Ratio Lower Upper

130 100

95 99.0 0.0 185.0





#45

1,2-Dichloropropane

Concen: 21.026 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

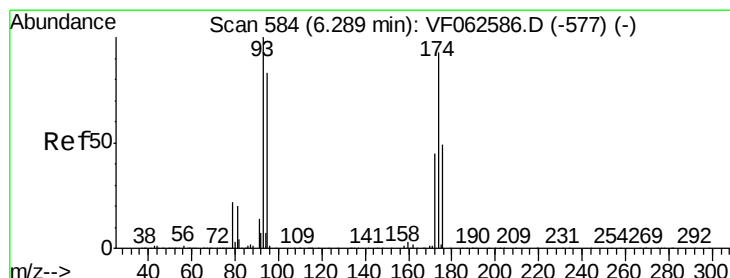
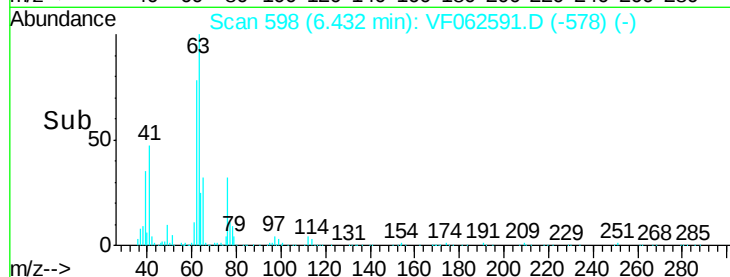
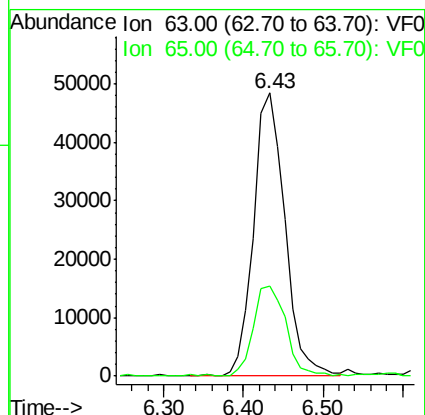
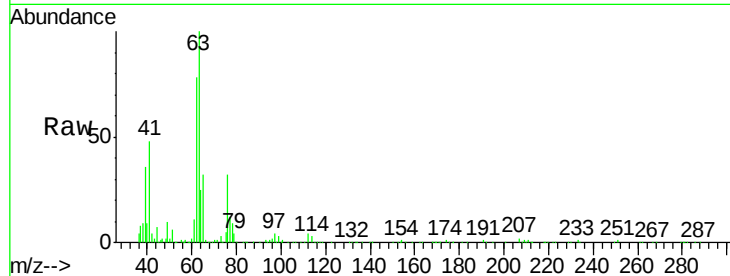
VF0514SBS01

Tot Ion: 63 Resp: 131421

Ion Ratio Lower Upper

63 100

65 31.6 26.2 39.4



#46

Dibromomethane

Concen: 21.348 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

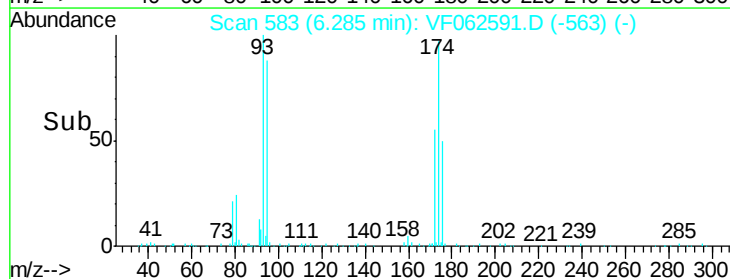
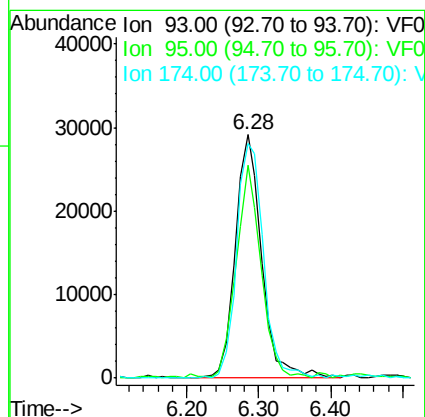
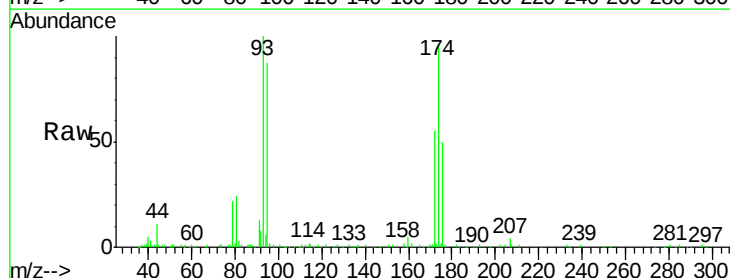
Tgt Ion: 93 Resp: 74602

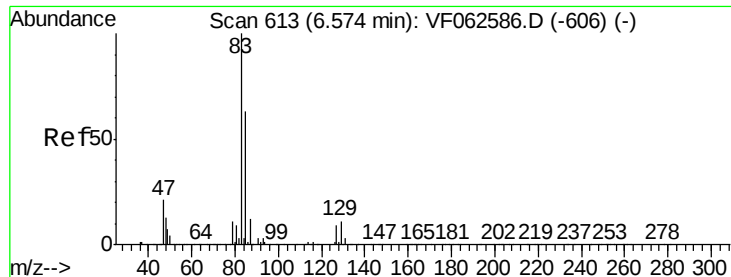
Ion Ratio Lower Upper

93 100

95 87.3 66.9 100.3

174 96.3 74.6 112.0





#47

Bromodichloromethane

Concen: 20.480 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

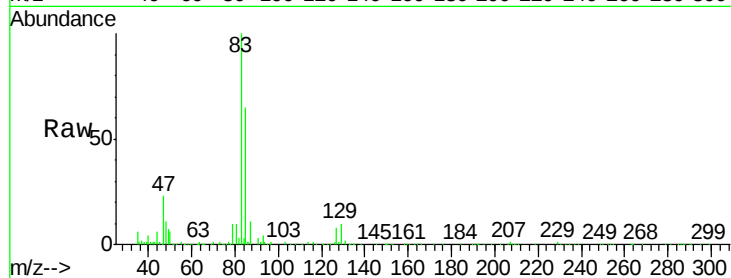
Tot Ion: 83 Resp: 153852

Ion Ratio Lower Upper

83 100

85 65.9 50.3 75.5

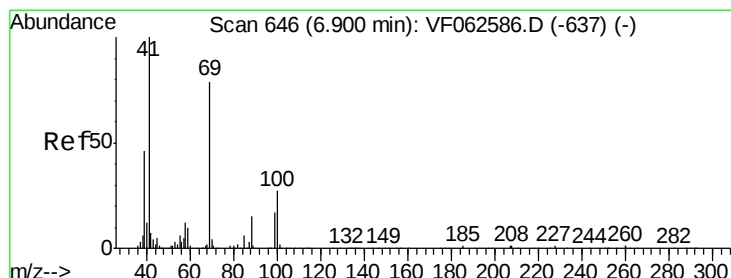
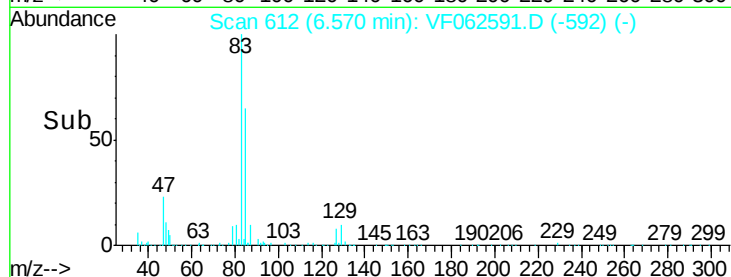
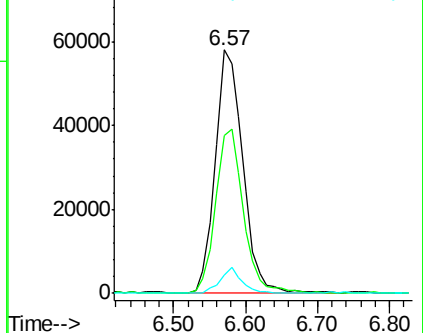
127 7.6 7.2 10.8



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: 19.495 ug/l

RT: 6.90 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

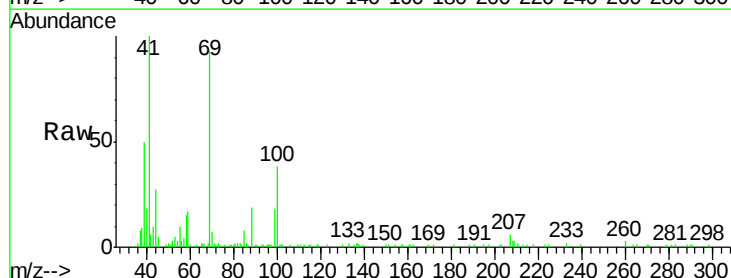
Tgt Ion: 41 Resp: 45293

Ion Ratio Lower Upper

41 100

69 93.2 63.0 94.6

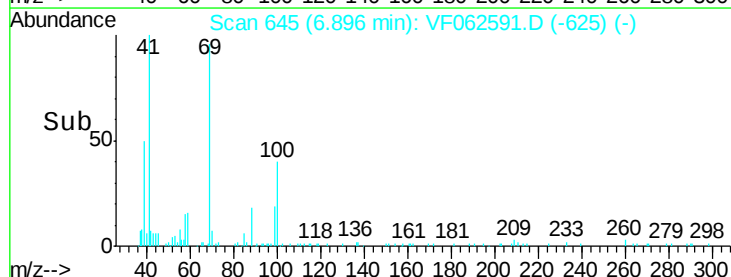
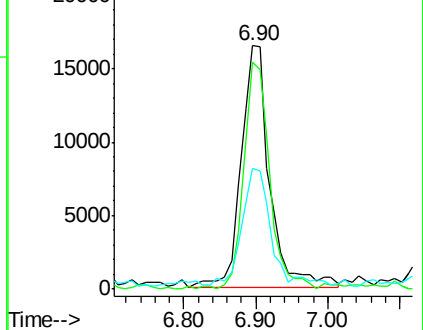
39 49.6 37.6 56.4

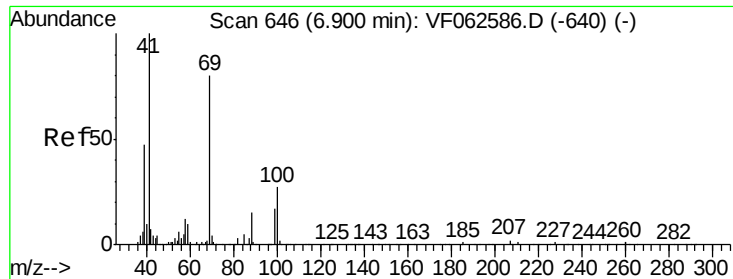


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 325.936 ug/l

RT: 6.90 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

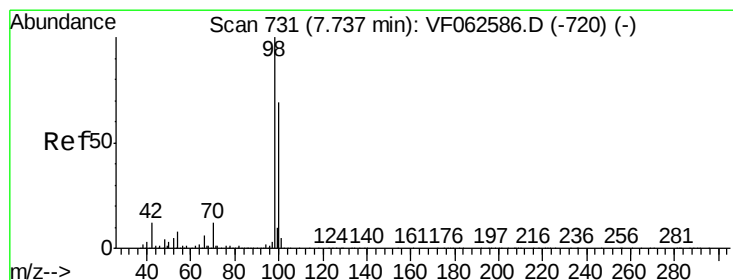
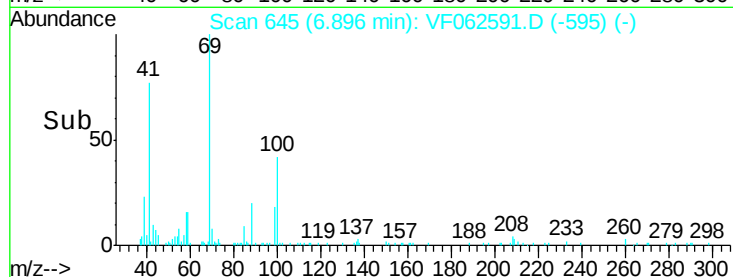
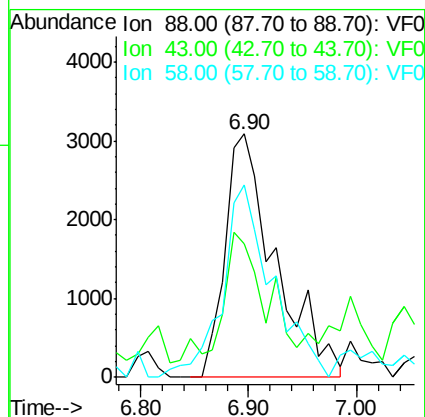
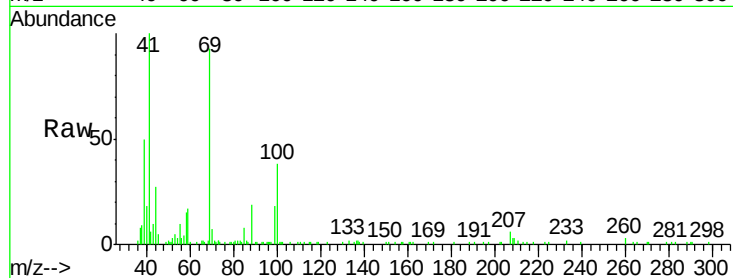
Tot Ion: 88 Resp: 9979

Ion Ratio Lower Upper

88 100

43 54.8 28.8 43.2#

58 78.8 60.6 90.8



#50

Toluene-d8

Concen: 44.653 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062591.D

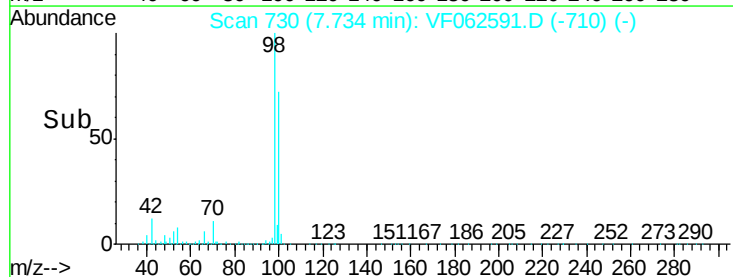
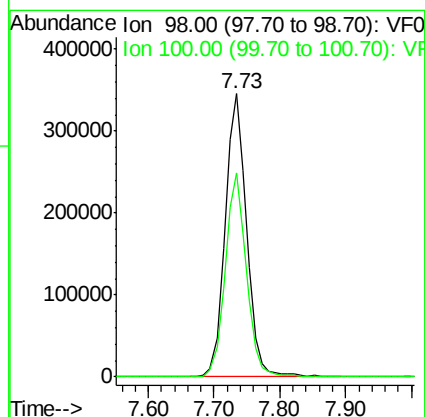
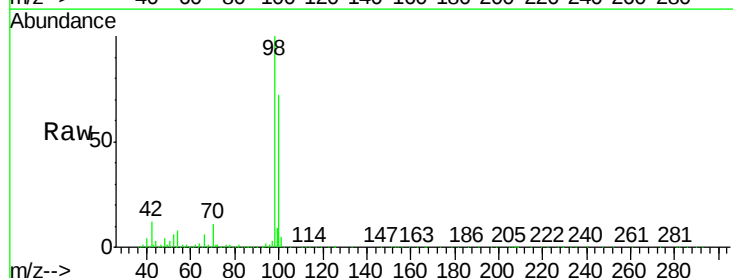
Acq: 14 May 2019 20:41

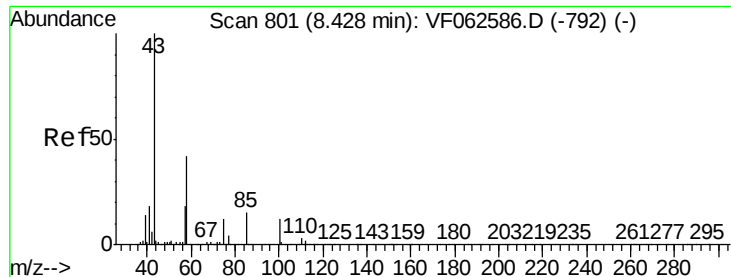
Tgt Ion: 98 Resp: 789986

Ion Ratio Lower Upper

98 100

100 71.9 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 96.718 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

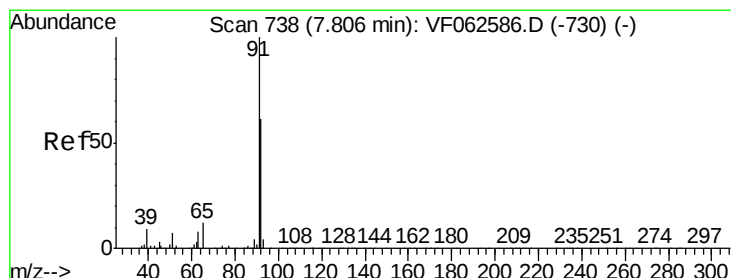
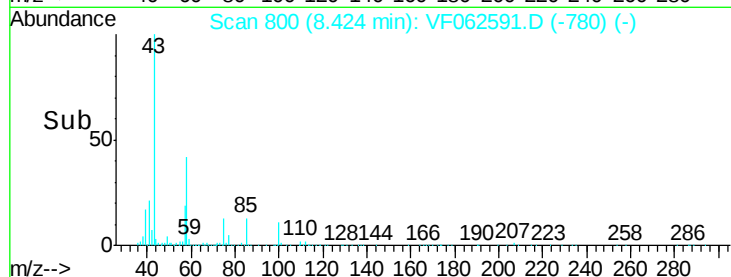
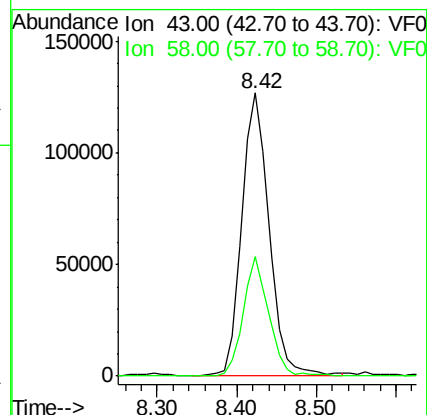
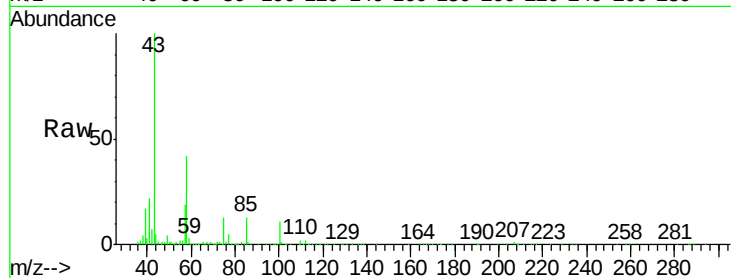
VF0514SBS01

Tot Ion: 43 Resp: 300803

Ion Ratio Lower Upper

43 100

58 42.1 33.6 50.4



#52

Toluene

Concen: 20.442 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062591.D

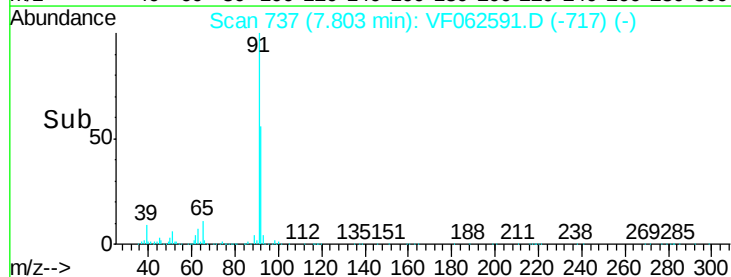
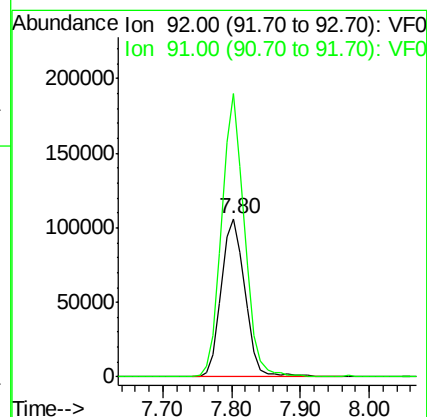
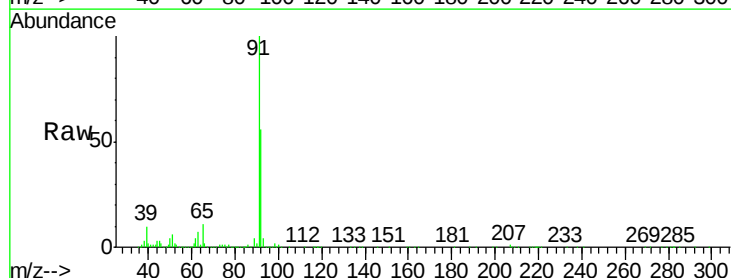
Acq: 14 May 2019 20:41

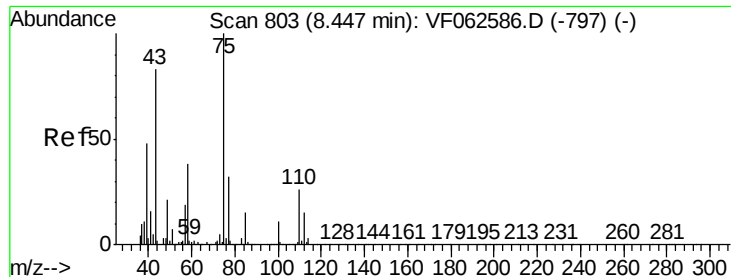
Tgt Ion: 92 Resp: 254821

Ion Ratio Lower Upper

92 100

91 178.8 131.0 196.4





#53

t-1,3-Dichloropropene

Concen: 19.707 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

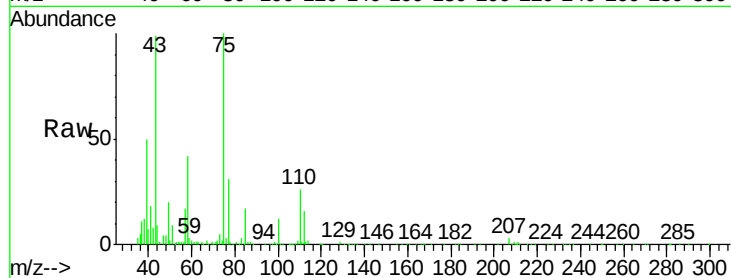
VF0514SBS01

Tot Ion: 75 Resp: 116961

Ion Ratio Lower Upper

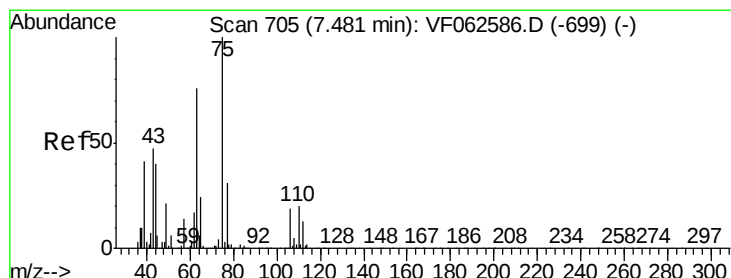
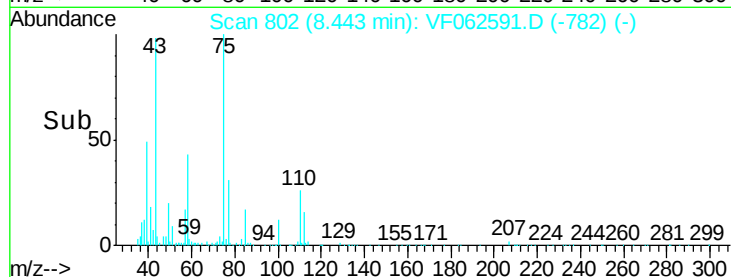
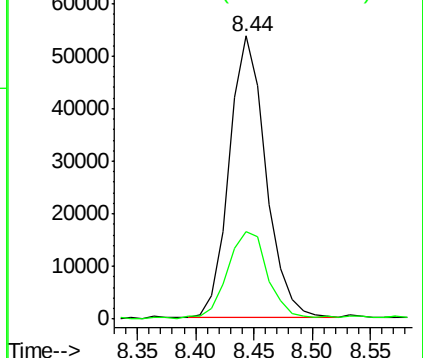
75 100

77 31.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.932 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

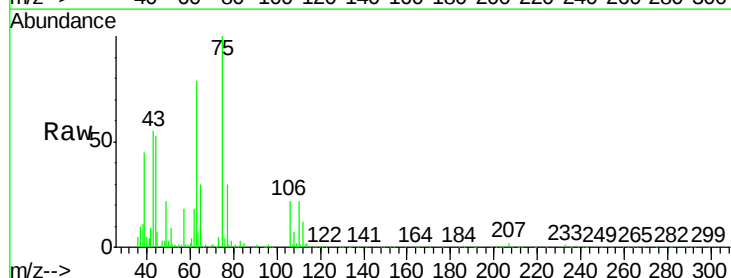
Tgt Ion: 75 Resp: 167170

Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.6

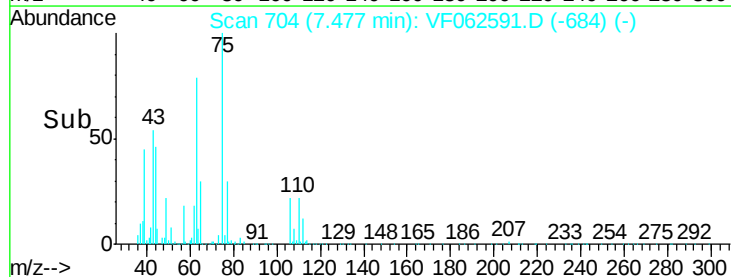
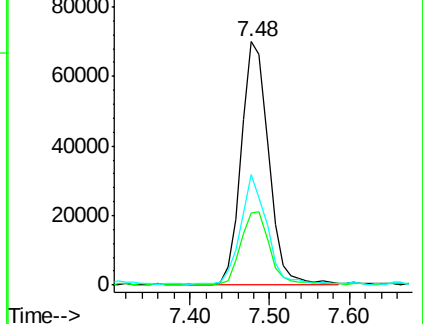
39 45.2 32.8 49.2

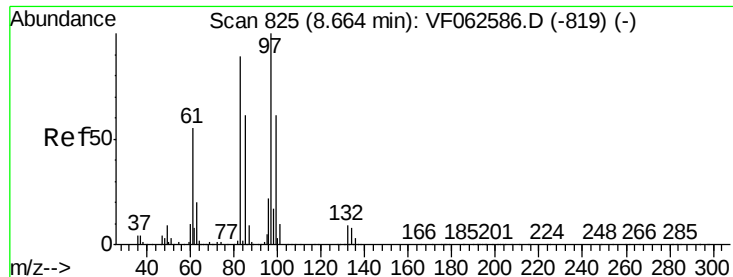


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.150 ug/l

RT: 8.66 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

Tot Ion: 97 Resp: 71474

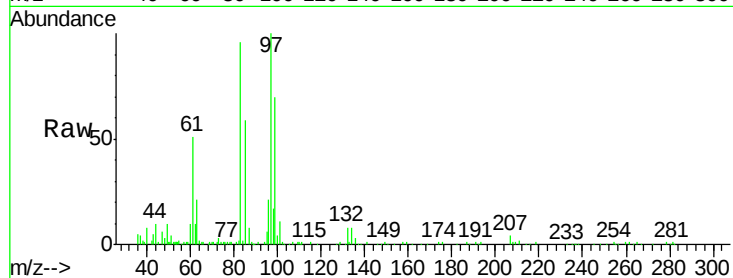
Ion Ratio Lower Upper

97 100

83 95.5 71.3 106.9

85 59.5 48.9 73.3

99 70.3 48.4 72.6

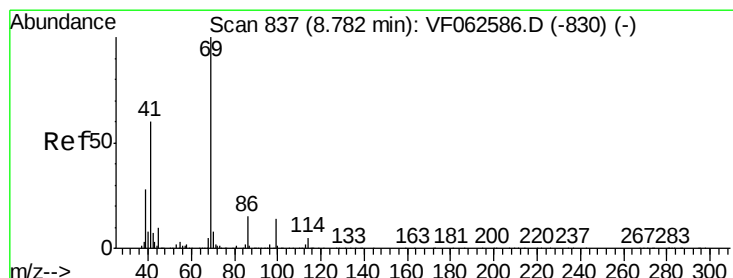
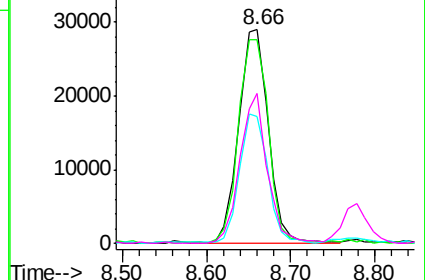
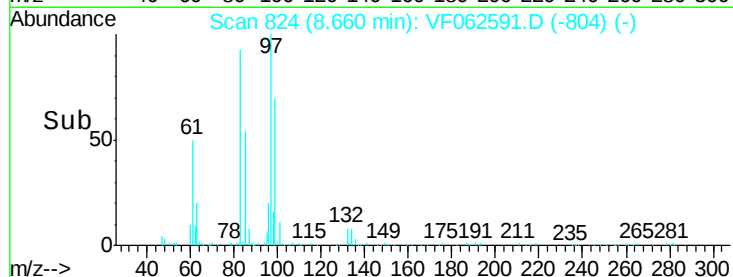


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.585 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

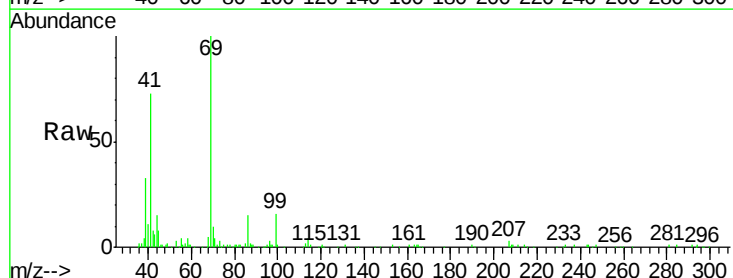
Tgt Ion: 69 Resp: 76025

Ion Ratio Lower Upper

69 100

41 72.6 48.1 72.1#

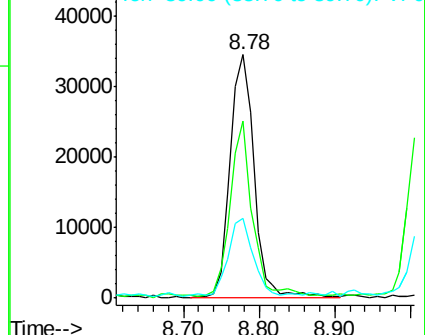
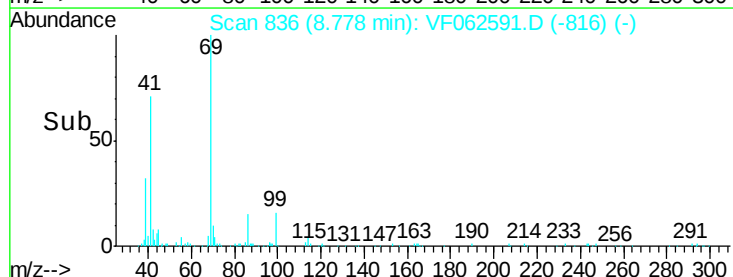
39 32.9 22.5 33.7

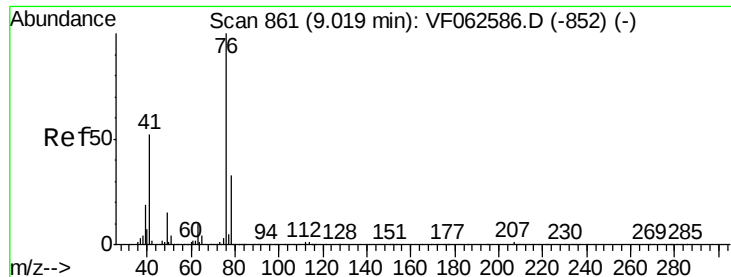


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.136 ug/l

RT: 9.02 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

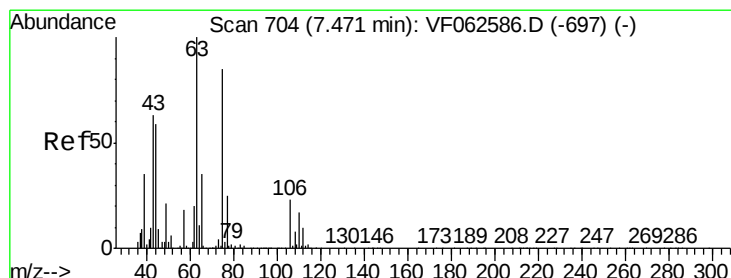
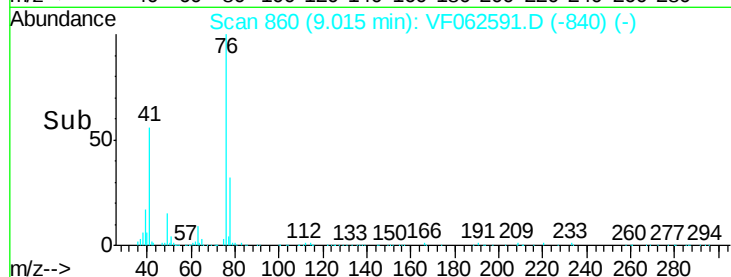
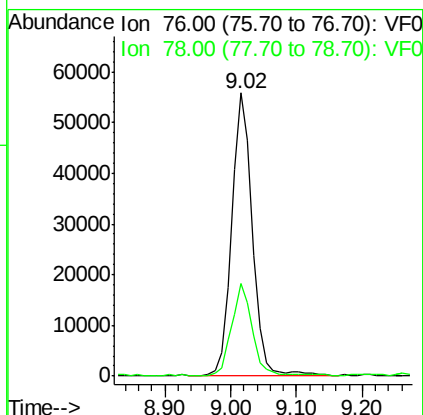
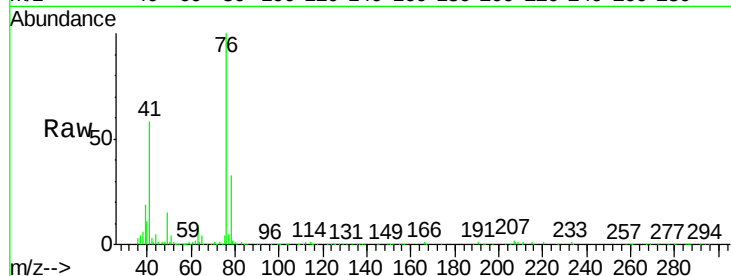
VF0514SBS01

Tot Ion: 76 Resp: 124041

Ion Ratio Lower Upper

76 100

78 32.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 107.613 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062591.D

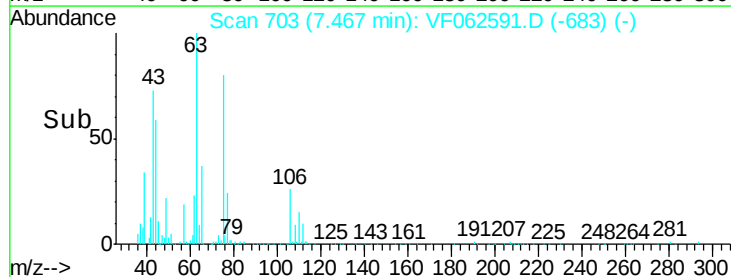
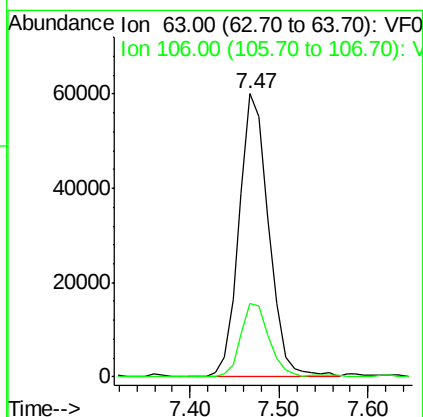
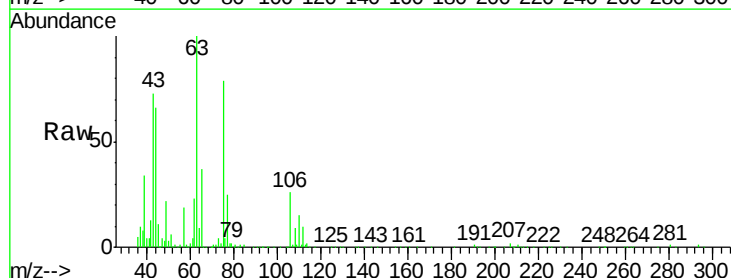
Acq: 14 May 2019 20:41

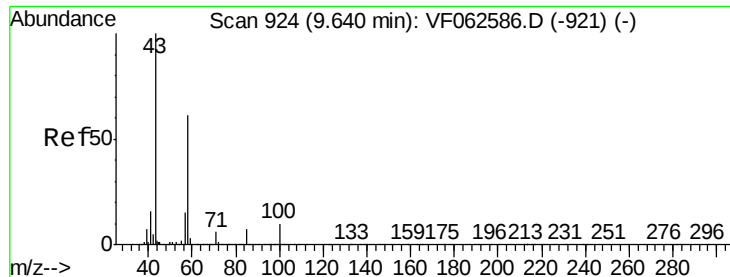
Tgt Ion: 63 Resp: 137736

Ion Ratio Lower Upper

63 100

106 25.8 18.0 27.0

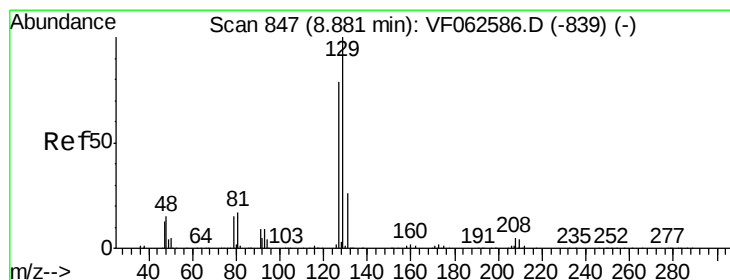
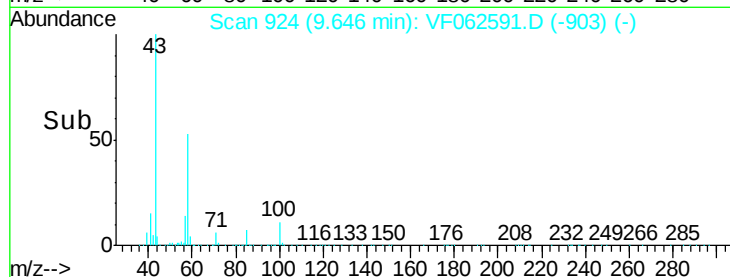
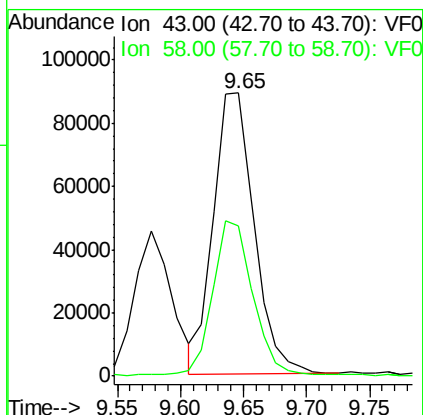
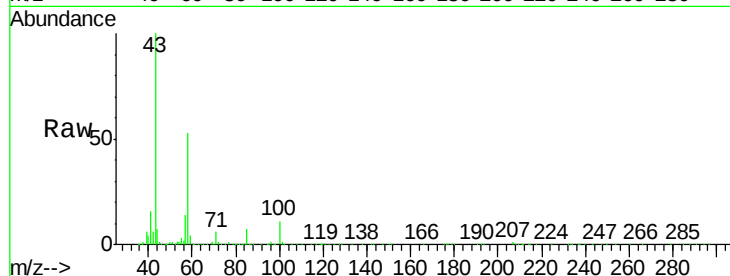




#59
2-Hexanone
Concen: 97.438 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

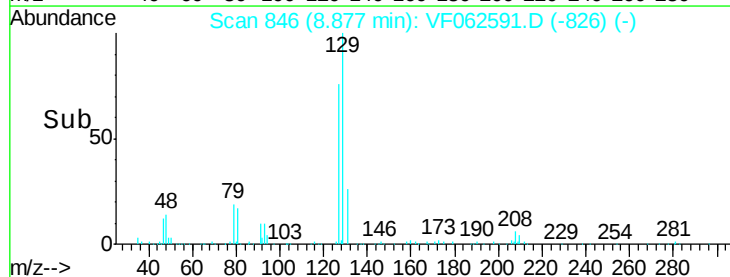
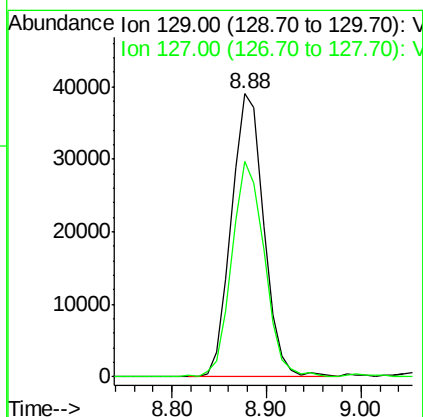
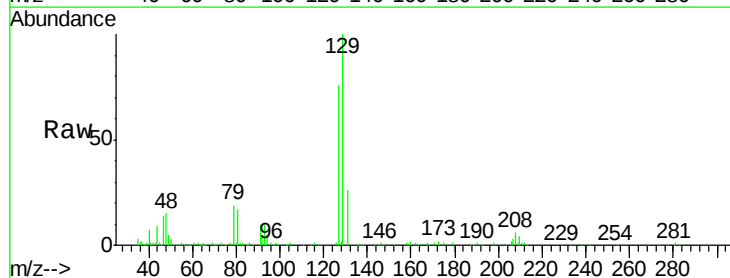
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

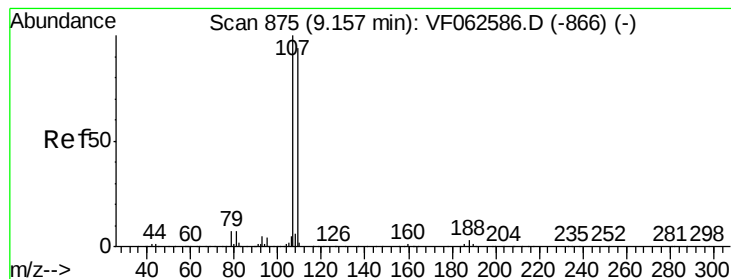
Tot Ion: 43 Resp: 200143
Ion Ratio Lower Upper
43 100
58 52.9 28.7 86.3



#60
Dibromochloromethane
Concen: 19.616 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 129 Resp: 93018
Ion Ratio Lower Upper
129 100
127 76.2 39.3 117.9





#61

1,2-Dibromoethane

Concen: 20.463 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

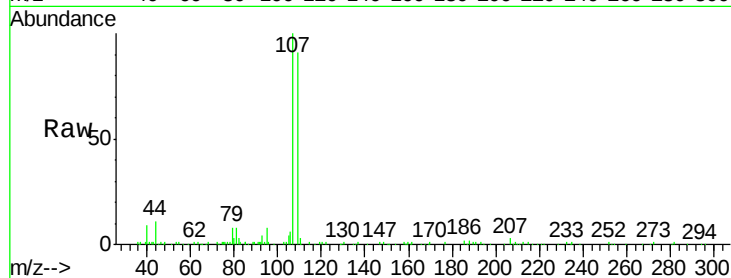
VF0514SBS01

Tot Ion:107 Resp: 76601

Ion Ratio Lower Upper

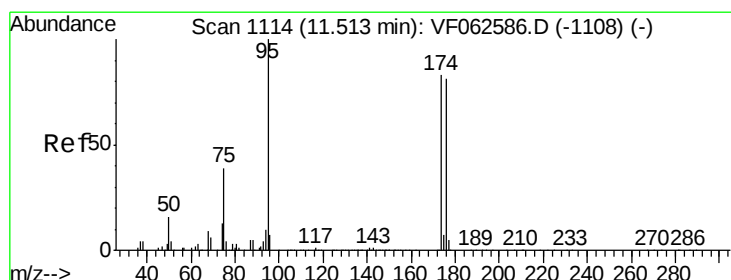
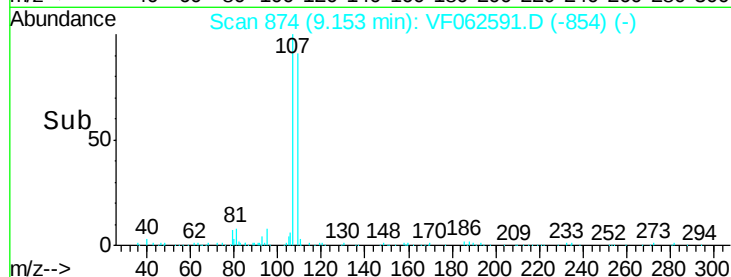
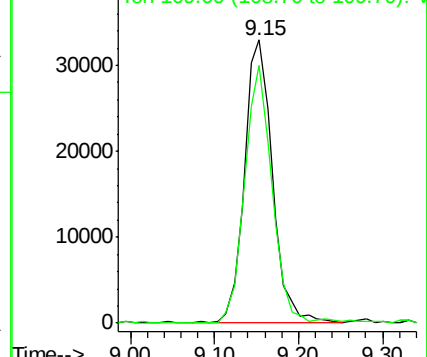
107 100

109 91.2 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.324 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

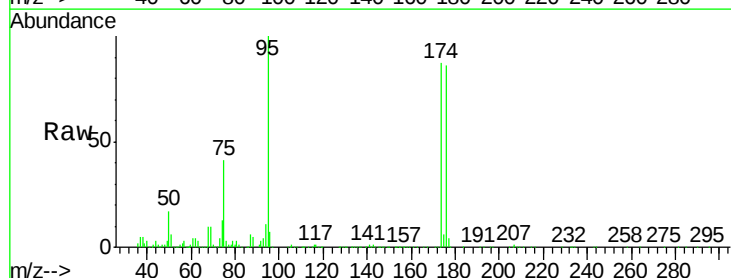
Tgt Ion: 95 Resp: 280039

Ion Ratio Lower Upper

95 100

174 87.2 0.0 166.6

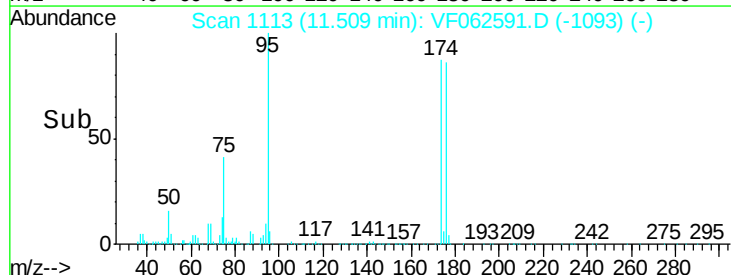
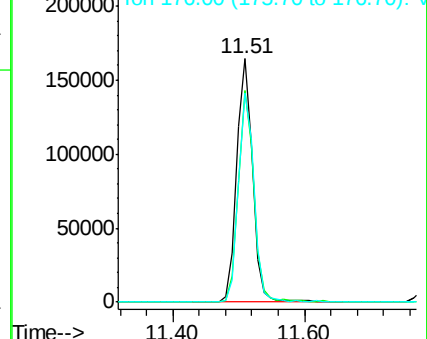
176 86.0 0.0 161.8

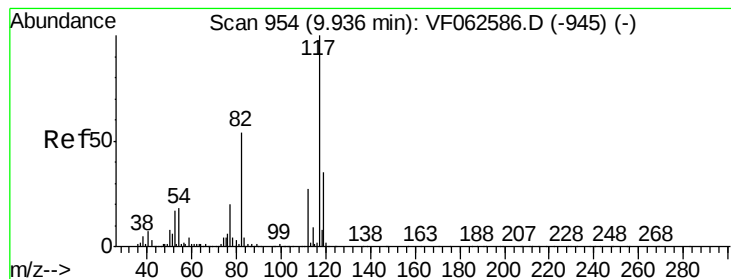


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

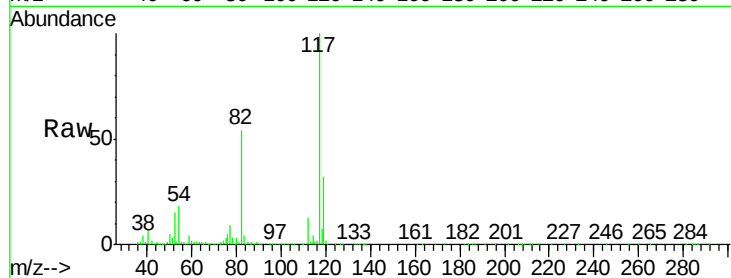
Tot Ion:117 Resp: 743127

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

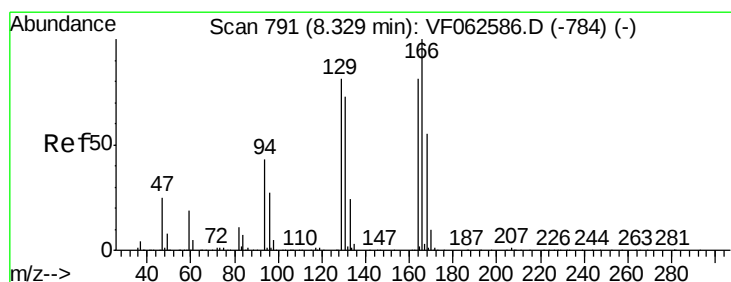
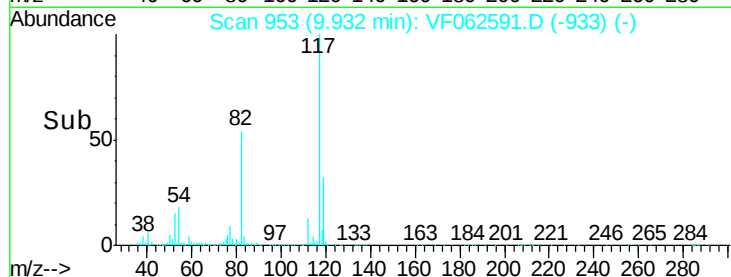
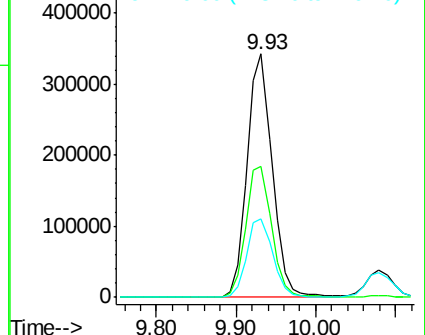
119 32.2 27.7 41.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 20.920 ug/l

RT: 8.33 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Tgt Ion:164 Resp: 102727

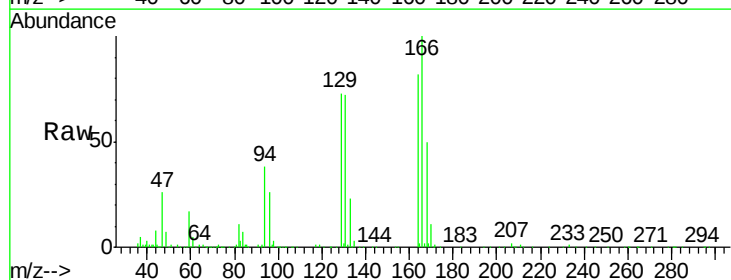
Ion Ratio Lower Upper

164 100

166 122.1 98.6 148.0

129 88.7 80.2 120.4

131 88.3 71.8 107.6

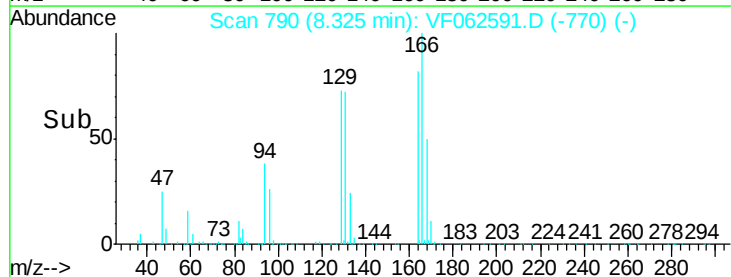
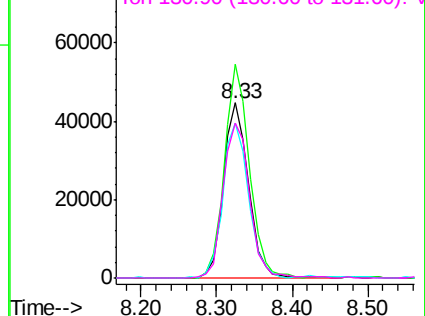


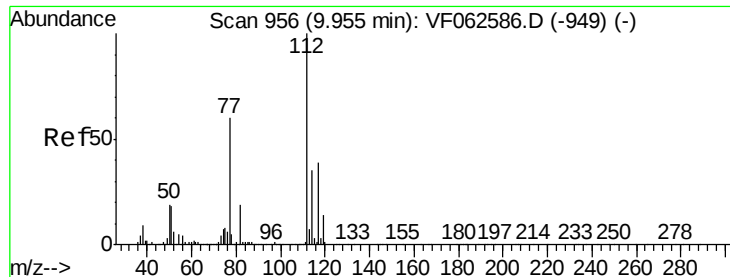
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 20.543 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

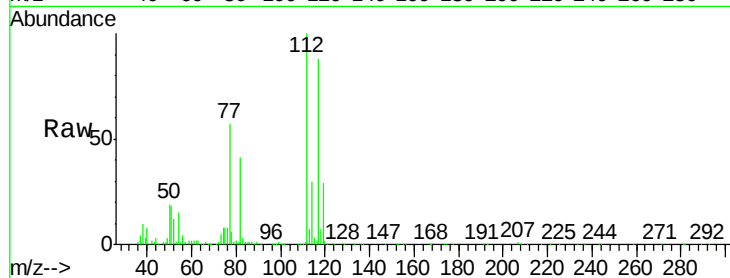
VF0514SBS01

Tot Ion:112 Resp: 265408

Ion Ratio Lower Upper

112 100

114 29.8 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

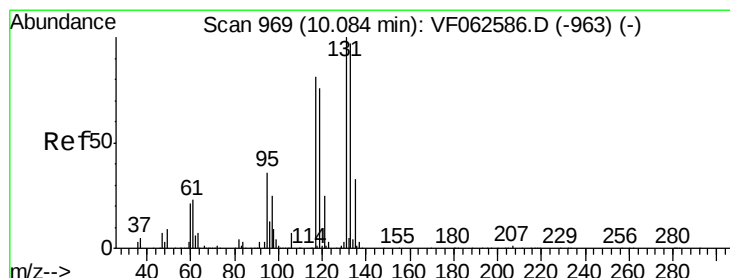
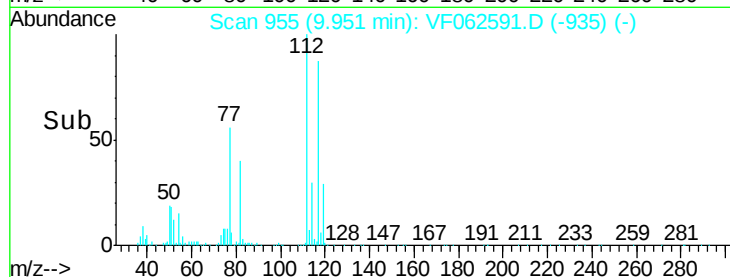
9.95

100000

50000

0

Time--> 9.80 9.90 10.00 10.10



#66

1,1,1,2-Tetrachloroethane

Concen: 20.099 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

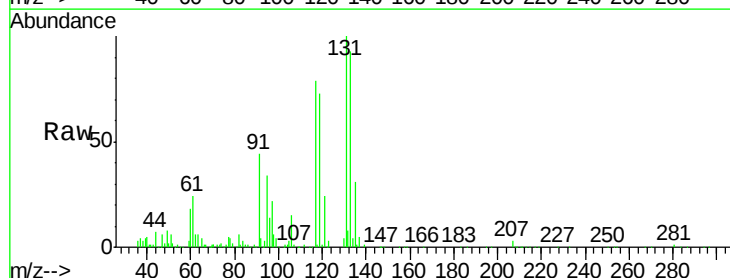
Tgt Ion:131 Resp: 106657

Ion Ratio Lower Upper

131 100

133 92.6 48.4 145.3

119 72.8 38.5 115.5



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.08

100000

80000

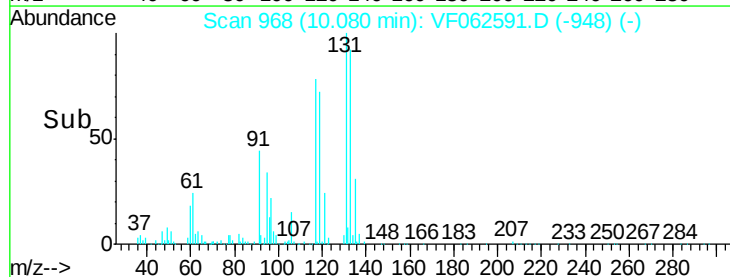
60000

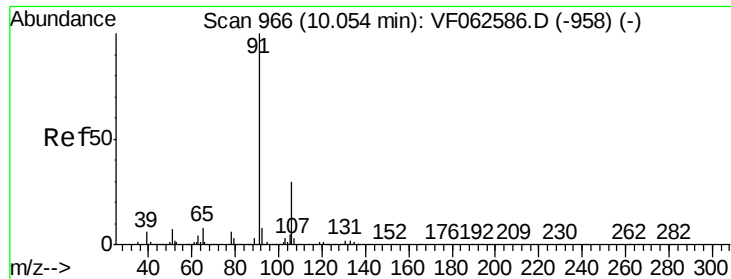
40000

20000

0

Time--> 10.00 10.10





#67

Ethyl Benzene

Concen: 20.224 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

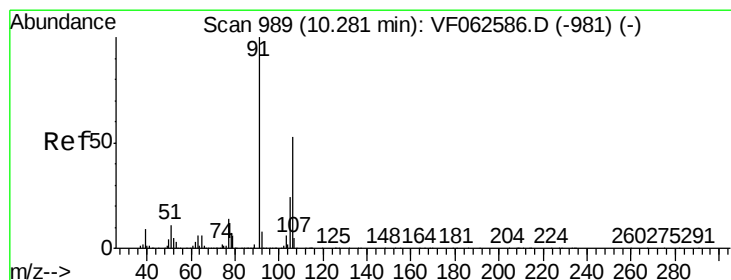
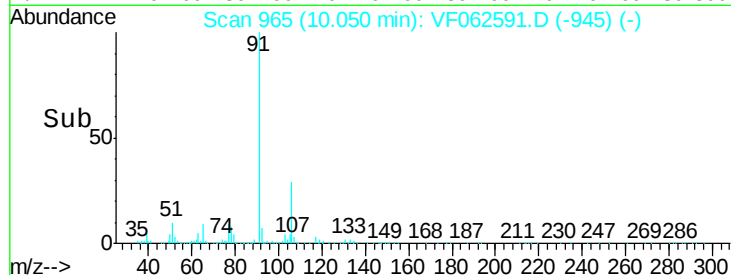
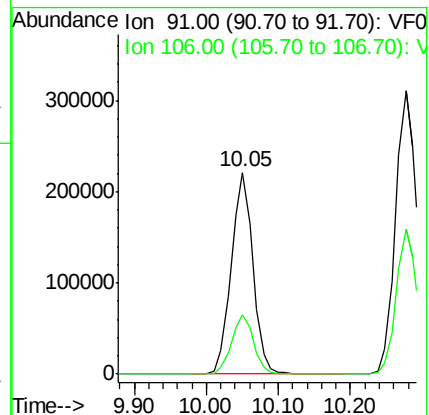
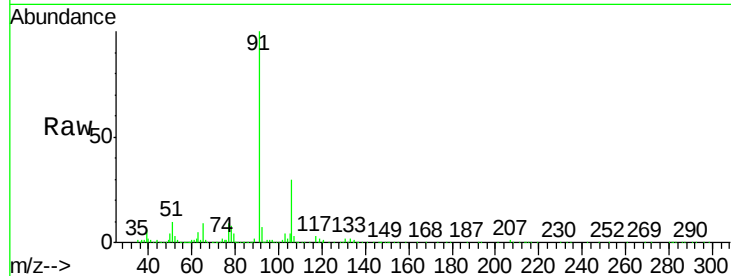
VF0514SBS01

Tot Ion: 91 Resp: 464225

Ion Ratio Lower Upper

91 100

106 29.5 24.2 36.4



#68

m/p-Xylenes

Concen: 39.732 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062591.D

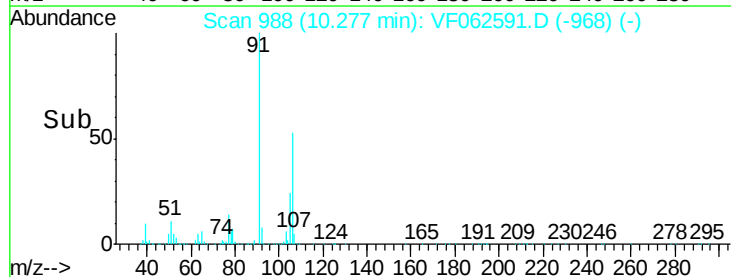
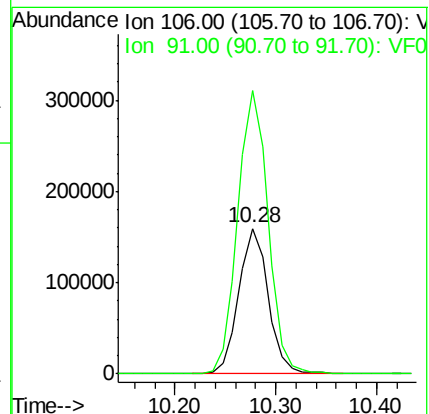
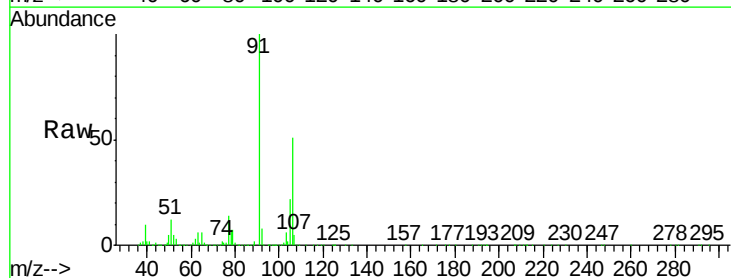
Acq: 14 May 2019 20:41

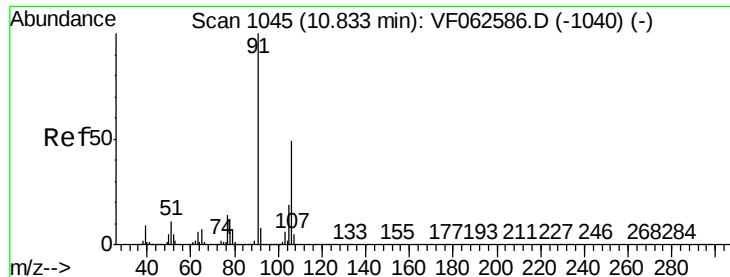
Tgt Ion: 106 Resp: 323250

Ion Ratio Lower Upper

106 100

91 194.5 150.5 225.7

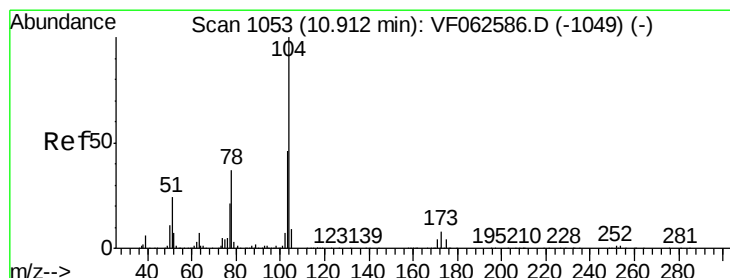
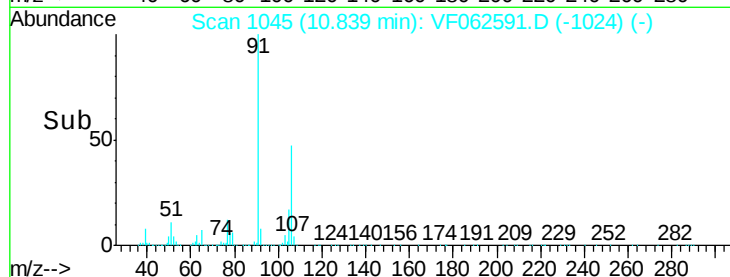
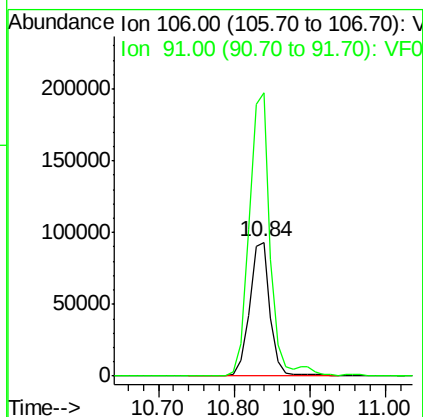
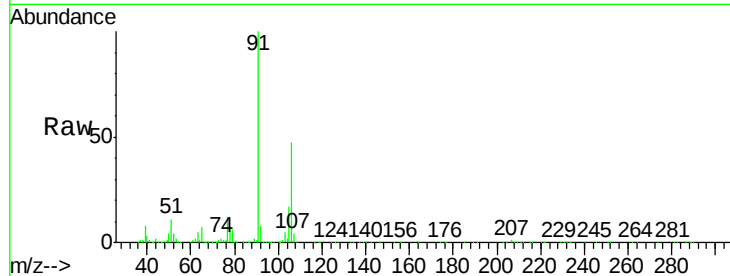




#69
o-Xylene
Concen: 20.652 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

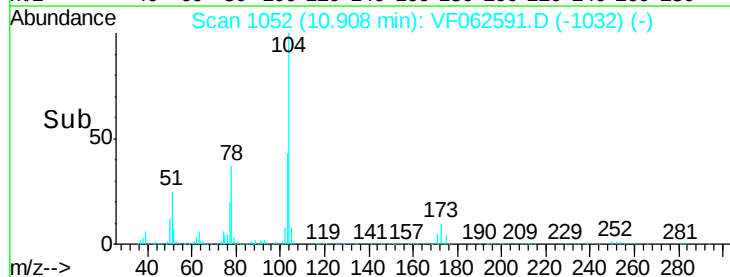
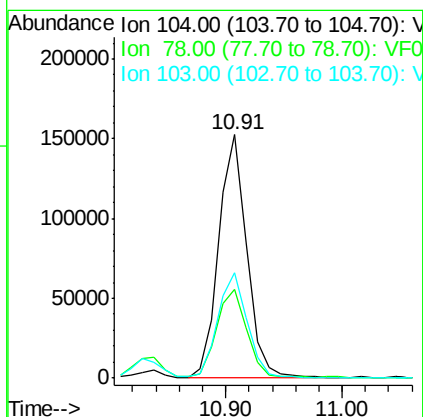
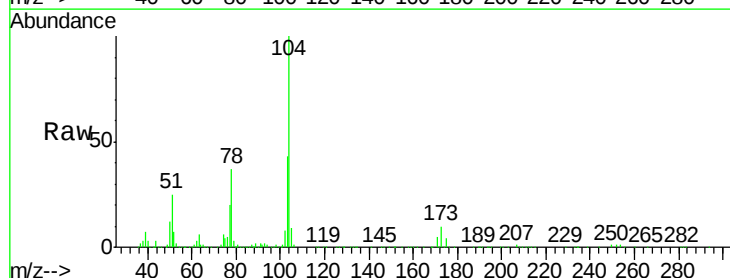
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

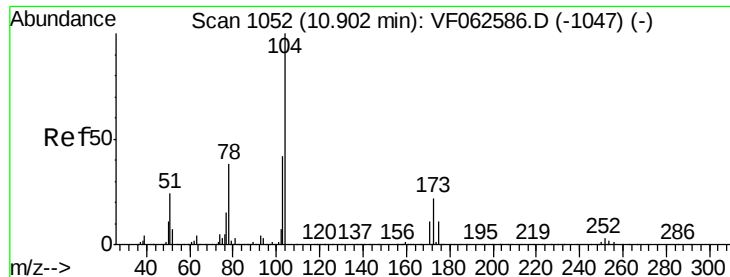
Tot Ion:106 Resp: 176254
Ion Ratio Lower Upper
106 100
91 211.2 102.0 305.9



#70
Styrene
Concen: 19.612 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion:104 Resp: 254336
Ion Ratio Lower Upper
104 100
78 36.7 30.2 45.2
103 43.4 37.0 55.6

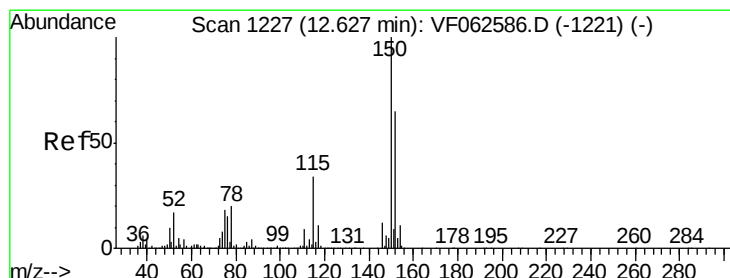
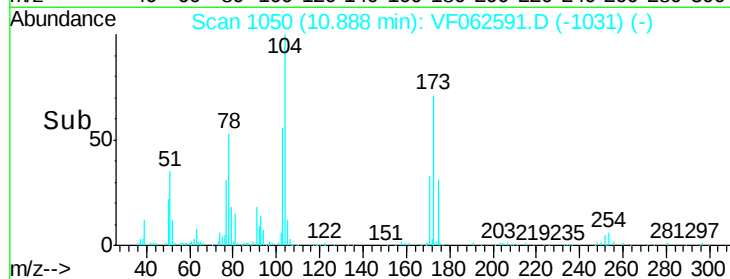
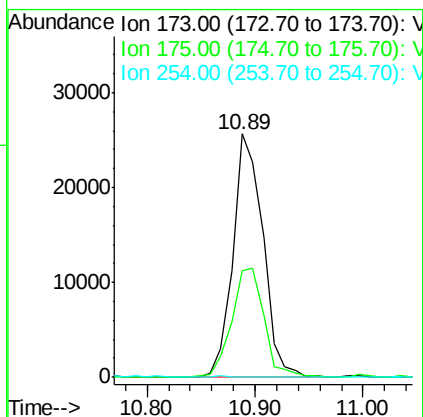
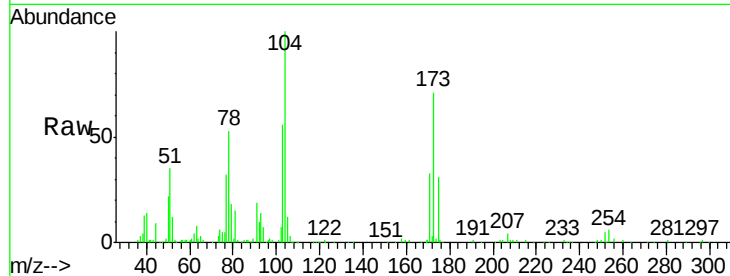




#71
Bromoform
Concen: 19.745 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

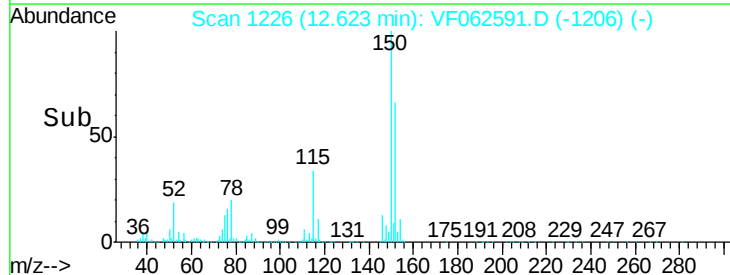
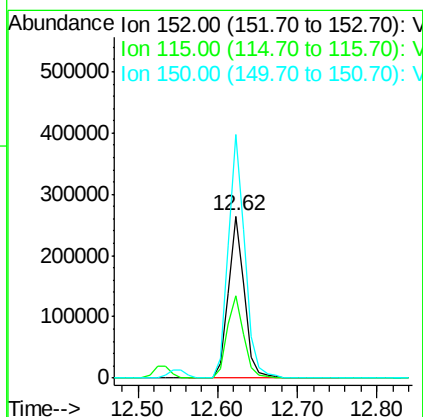
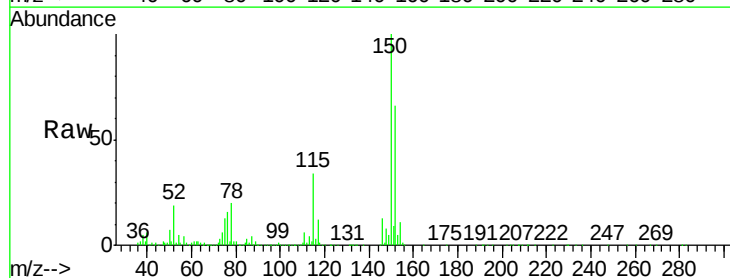
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

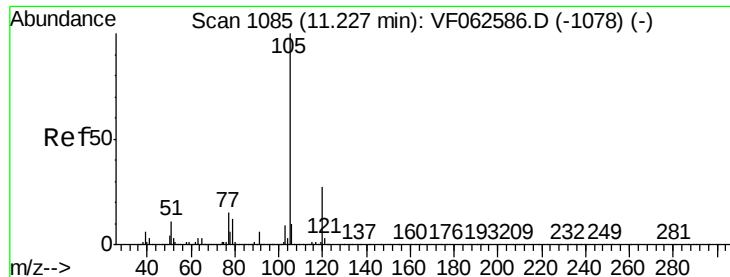
Tot Ion:173 Resp: 49333
Ion Ratio Lower Upper
173 100
175 44.9 24.1 72.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion:152 Resp: 376849
Ion Ratio Lower Upper
152 100
115 50.8 26.2 78.6
150 150.4 0.0 316.0





#73

Isopropylbenzene

Concen: 19.506 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

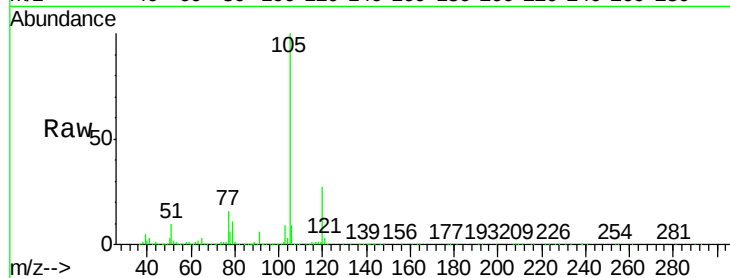
VF0514SBS01

Tot Ion:105 Resp: 494242

Ion Ratio Lower Upper

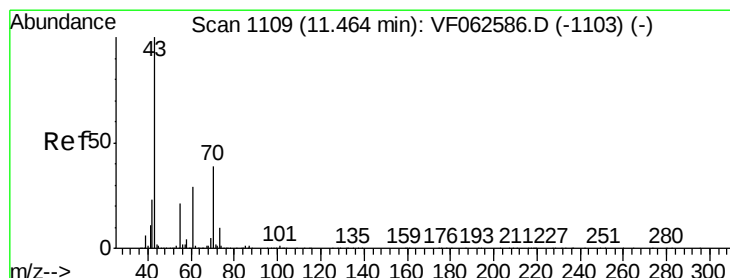
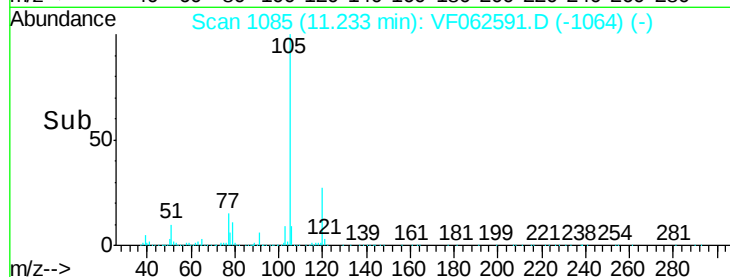
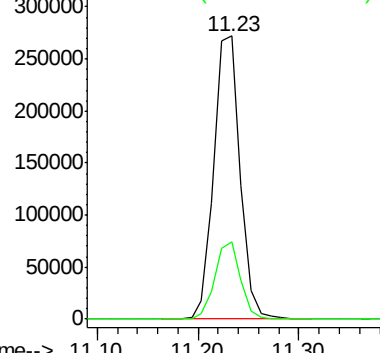
105 100

120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.389 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Tgt Ion: 43 Resp: 119292

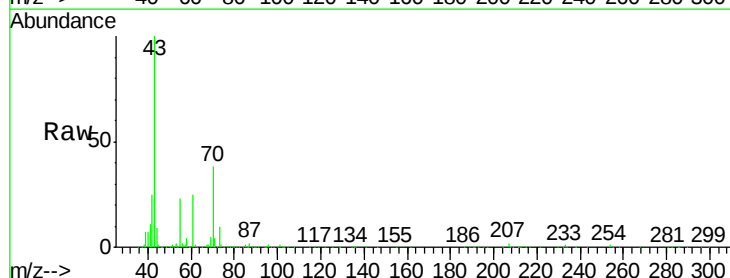
Ion Ratio Lower Upper

43 100

70 37.6 31.0 46.4

55 22.9 16.7 25.1

61 24.7 23.4 35.2

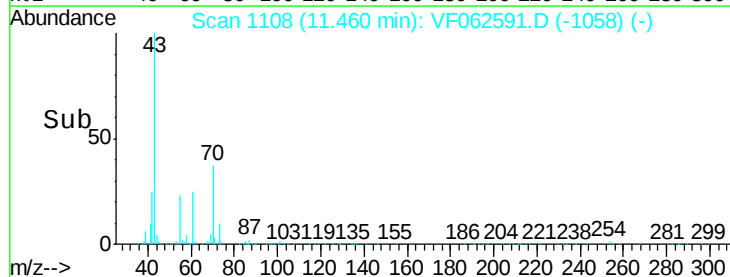
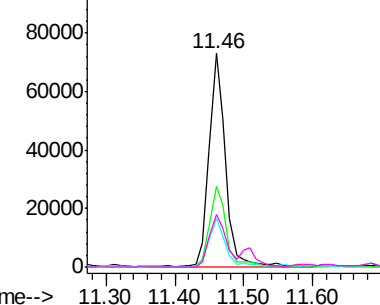


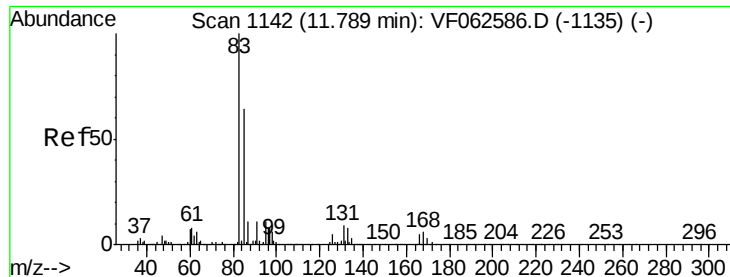
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.494 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

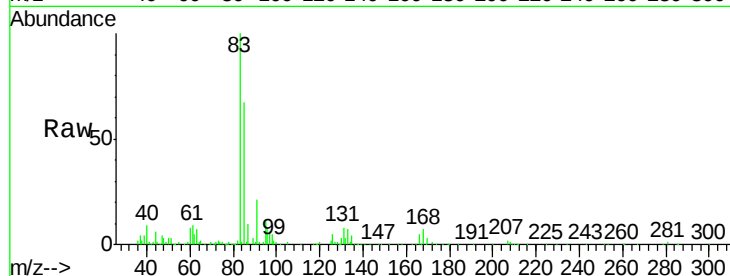
Tot Ion: 83 Resp: 96000

Ion Ratio Lower Upper

83 100

131 8.3 4.6 13.8

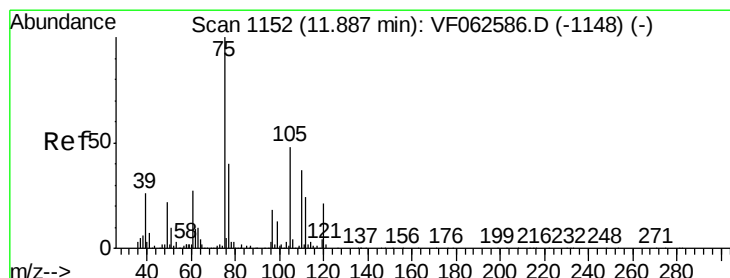
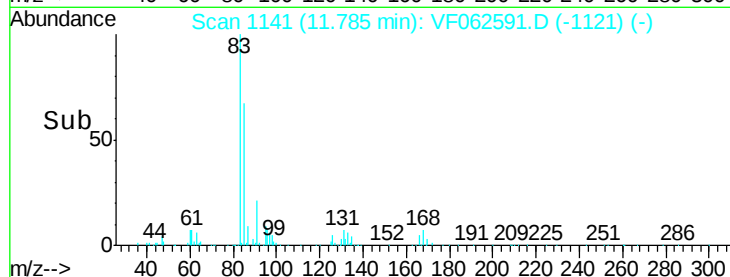
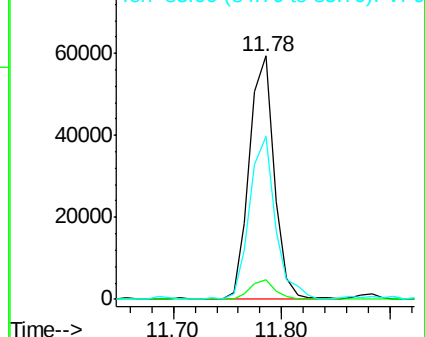
85 66.7 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.700 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062591.D

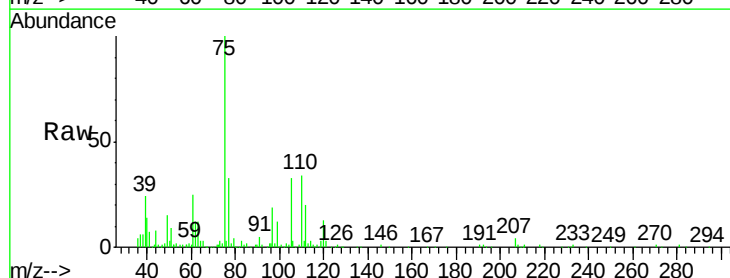
Acq: 14 May 2019 20:41

Tgt Ion: 75 Resp: 65558

Ion Ratio Lower Upper

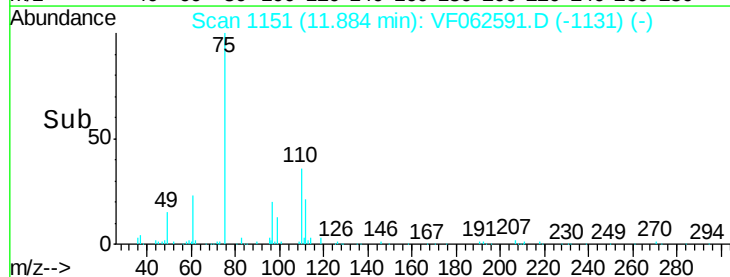
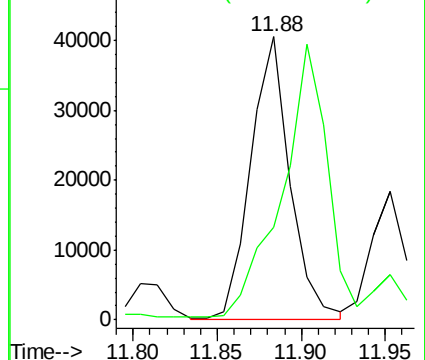
75 100

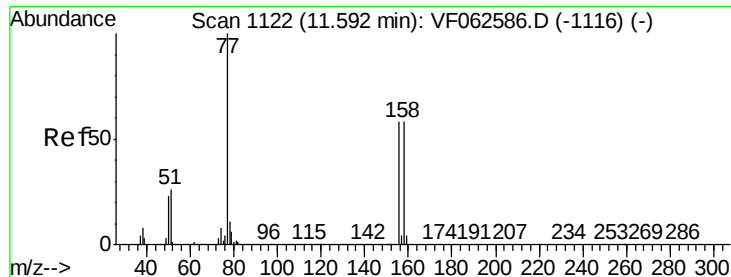
77 32.8 20.4 61.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

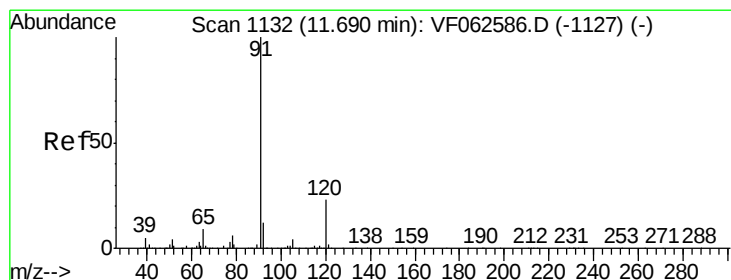
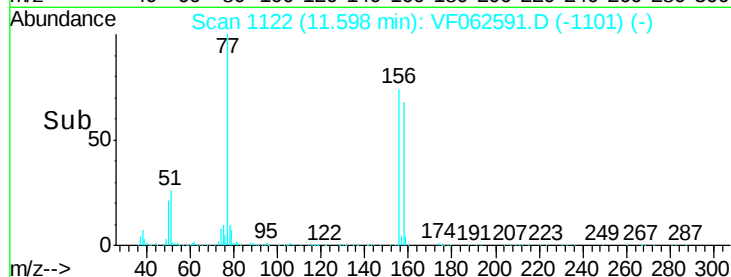
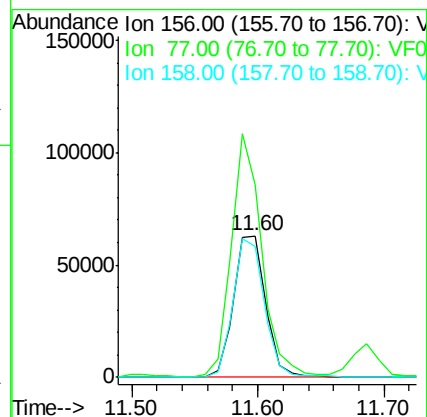
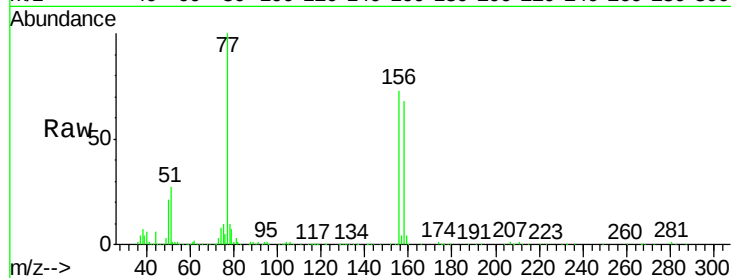




#77
Bromobenzene
Concen: 19.309 ug/l
RT: 11.60 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

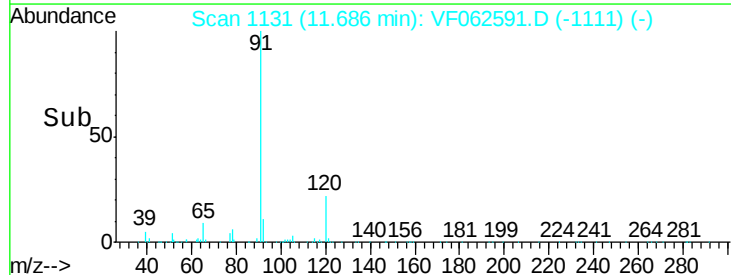
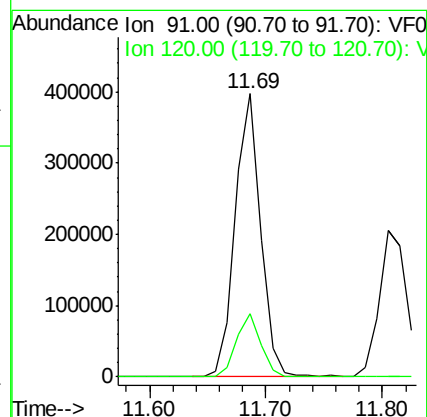
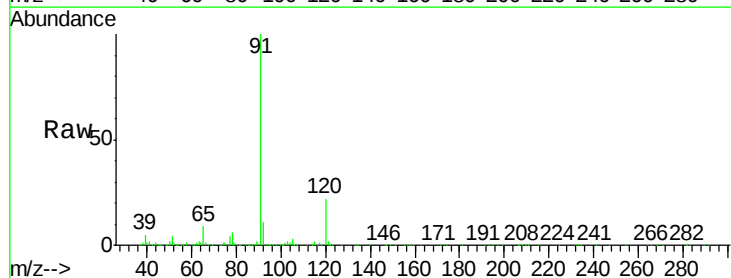
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

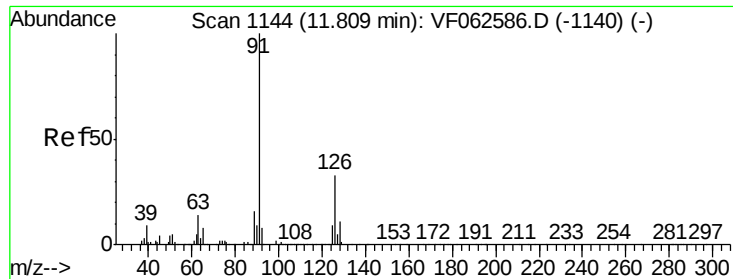
Tot Ion:156 Resp: 110562
Ion Ratio Lower Upper
156 100
77 136.4 86.5 259.5
158 92.2 50.3 150.9



#78
n-propylbenzene
Concen: 19.876 ug/l
RT: 11.69 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion: 91 Resp: 599034
Ion Ratio Lower Upper
91 100
120 22.1 11.7 35.1





#79

2-Chlorotoluene

Concen: 19.876 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

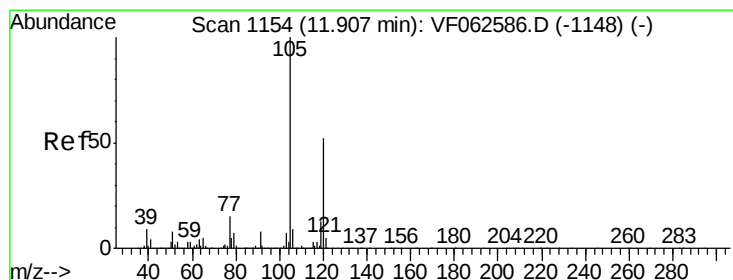
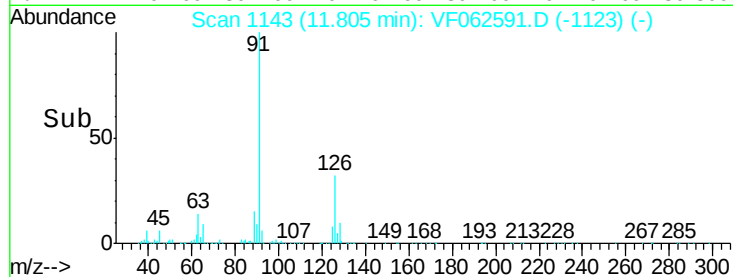
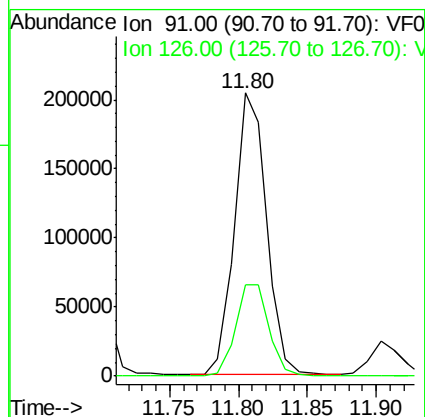
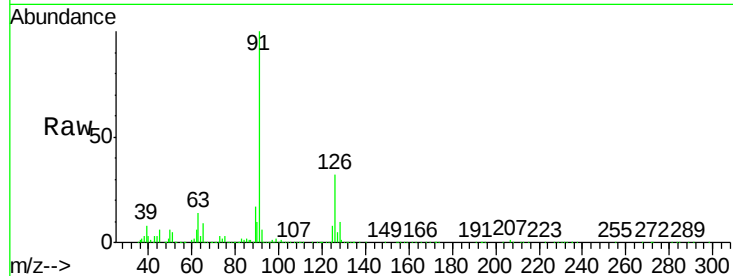
VF0514SBS01

Tot Ion: 91 Resp: 330598

Ion Ratio Lower Upper

91 100

126 32.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.610 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062591.D

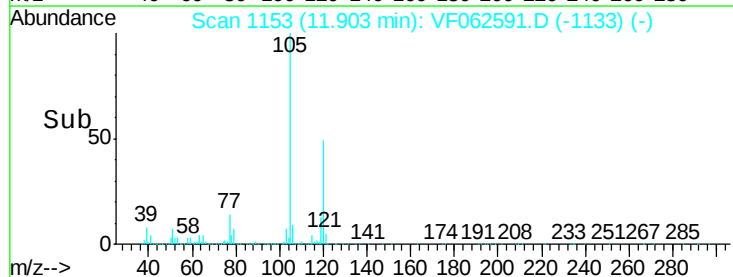
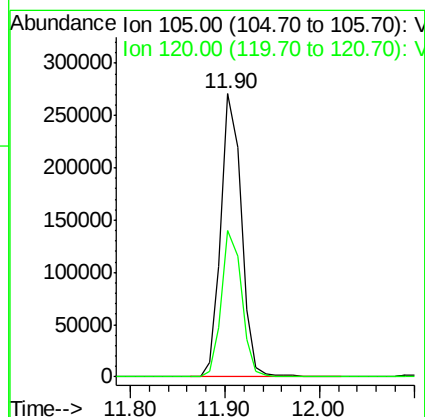
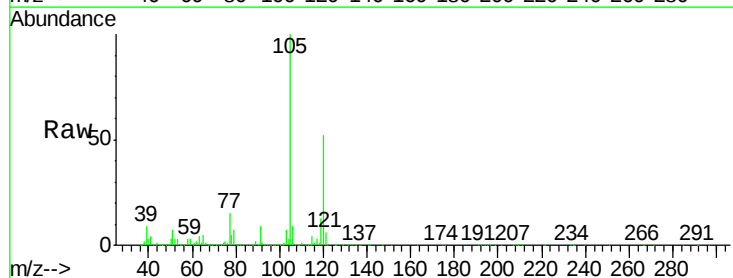
Acq: 14 May 2019 20:41

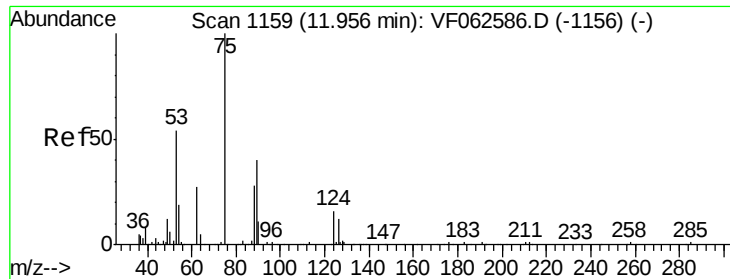
Tgt Ion: 105 Resp: 408782

Ion Ratio Lower Upper

105 100

120 51.8 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.130 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

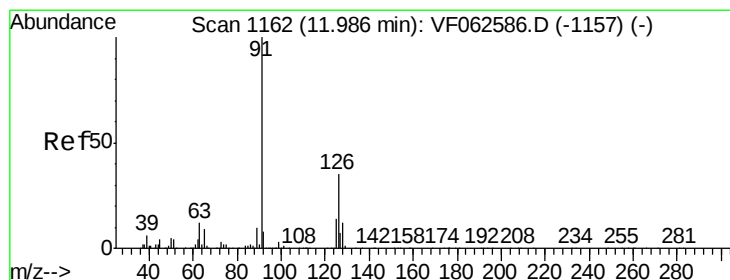
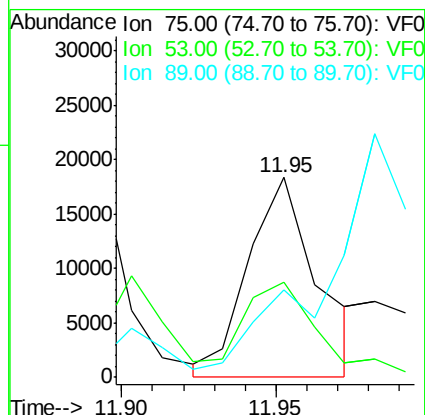
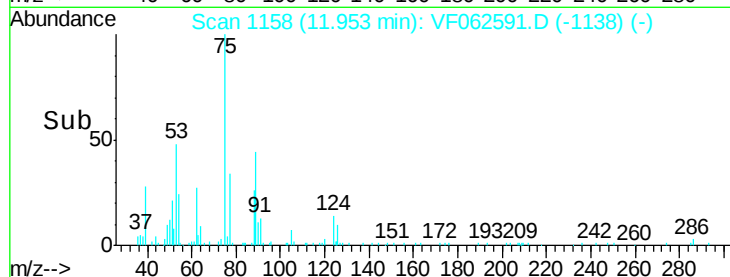
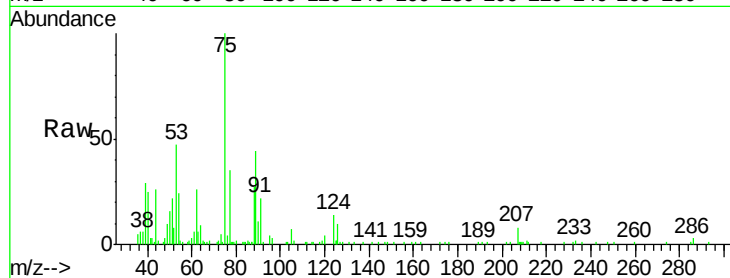
Tot Ion: 75 Resp: 28553

Ion Ratio Lower Upper

75 100

53 47.4 46.6 70.0

89 43.6 33.8 50.8



#82

4-Chlorotoluene

Concen: 20.337 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062591.D

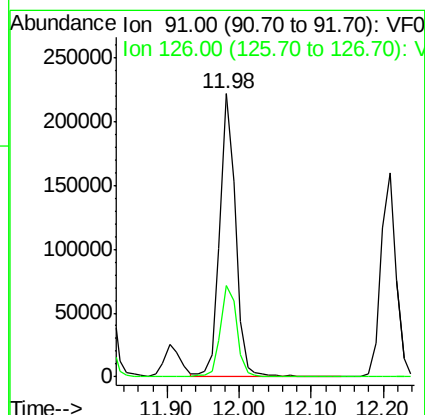
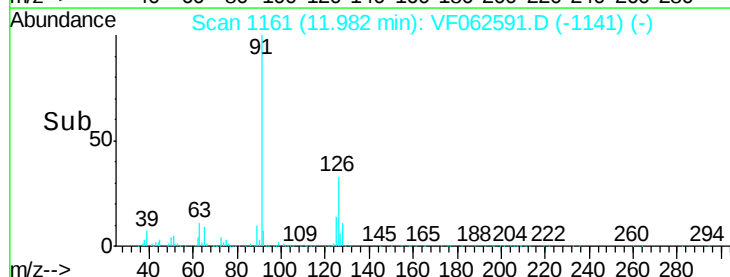
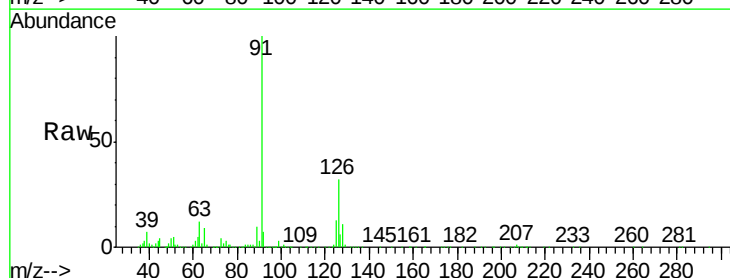
Acq: 14 May 2019 20:41

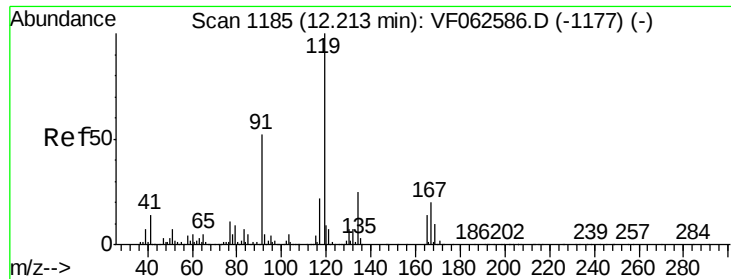
Tgt Ion: 91 Resp: 330742

Ion Ratio Lower Upper

91 100

126 32.5 17.5 52.5

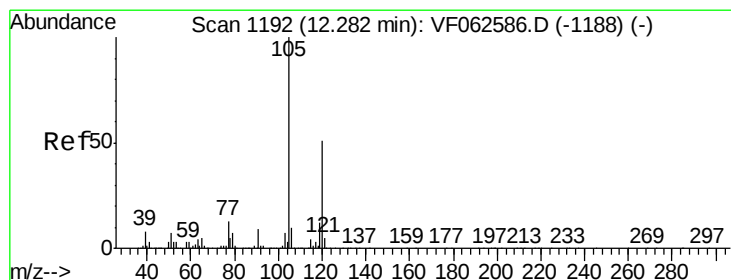
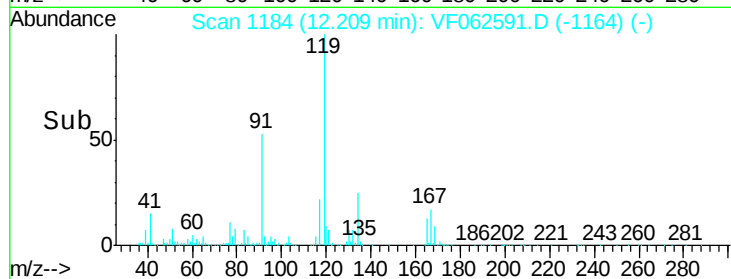
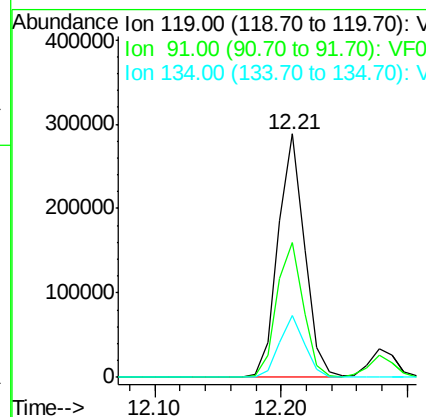
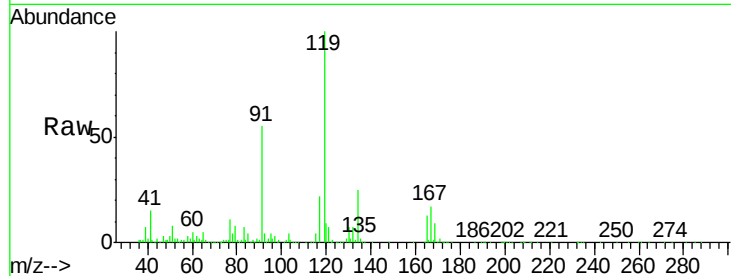




#83
 tert-Butylbenzene
 Concen: 20.335 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

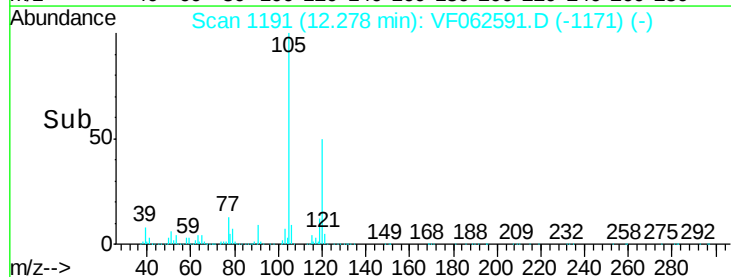
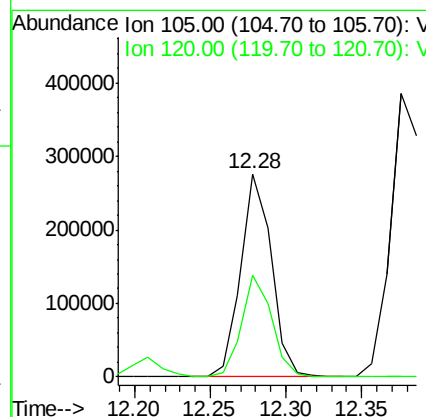
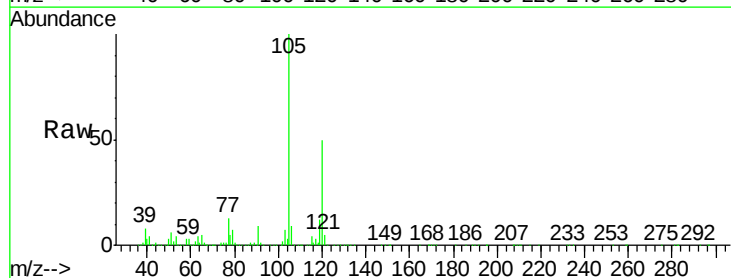
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

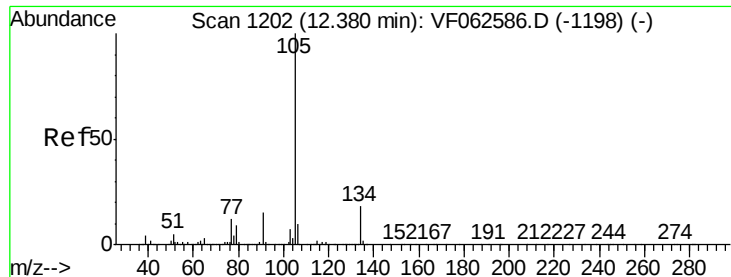
Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	26.0	78.0
134	25.2	12.6	37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.018 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.4	76.0





#85

sec-Butylbenzene

Concen: 20.441 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

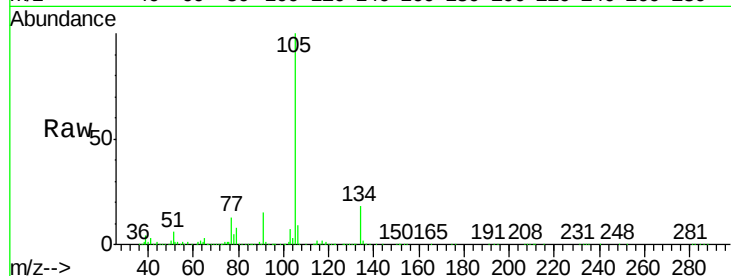
VF0514SBS01

Tot Ion:105 Resp: 575780

Ion Ratio Lower Upper

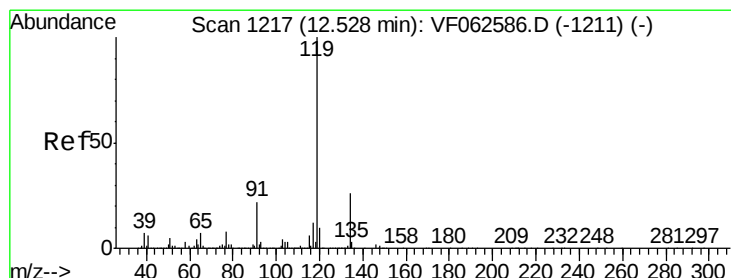
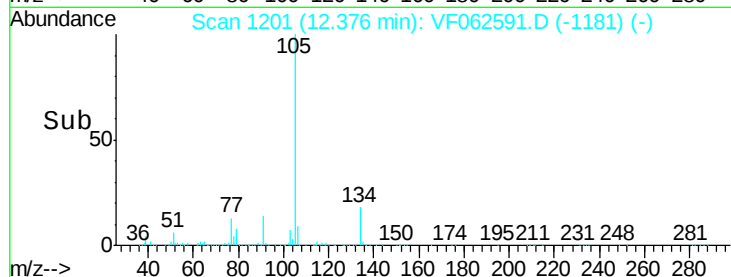
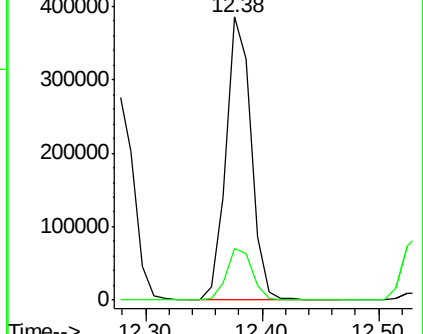
105 100

134 18.4 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.768 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

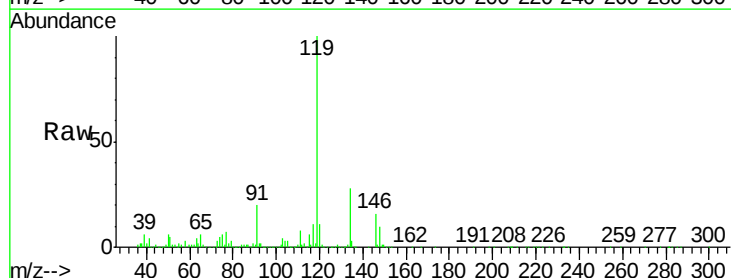
Tgt Ion:119 Resp: 481547

Ion Ratio Lower Upper

119 100

134 27.7 13.0 39.0

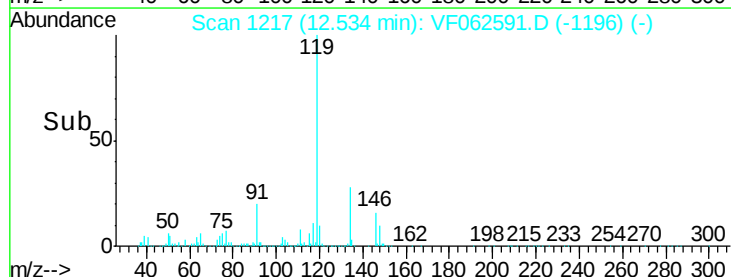
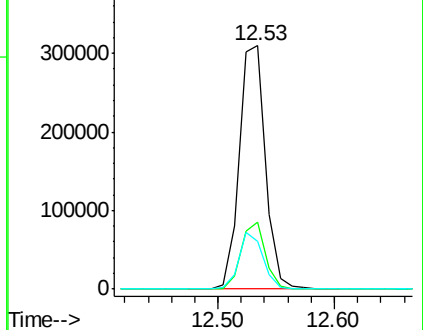
91 19.6 10.9 32.9

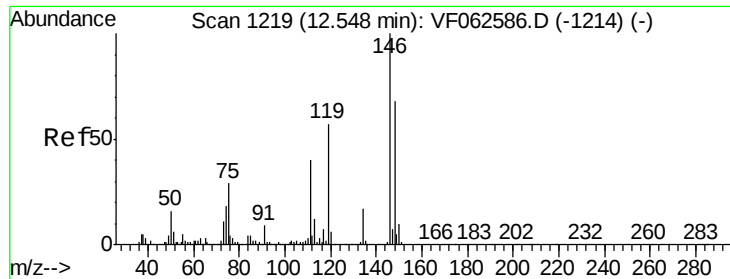


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

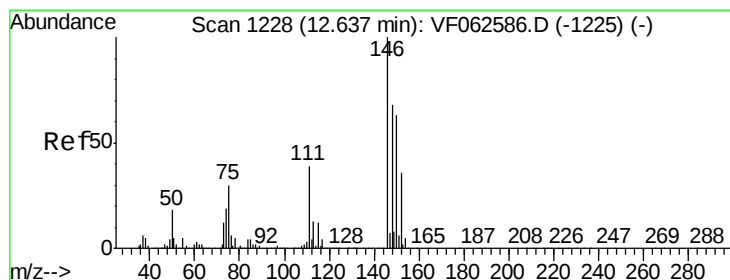
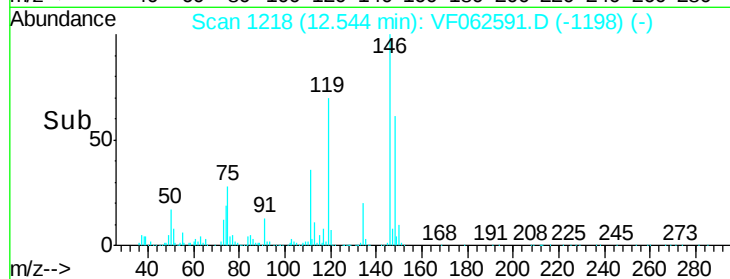
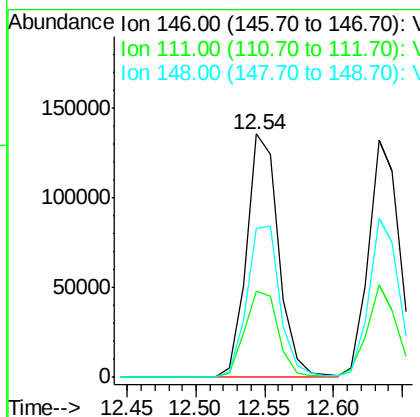
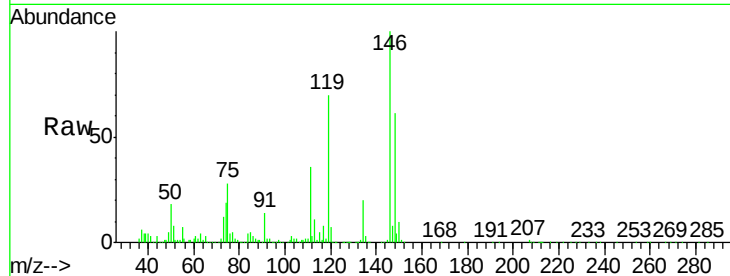




#87
 1,3-Dichlorobenzene
 Concen: 19.798 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

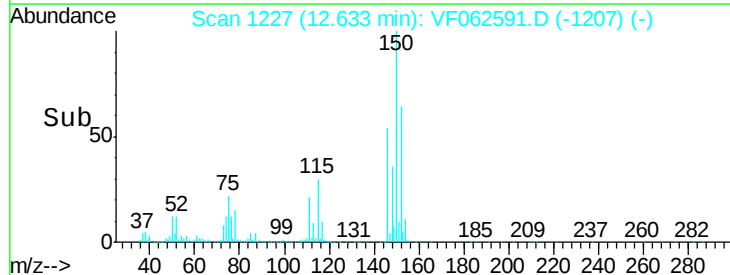
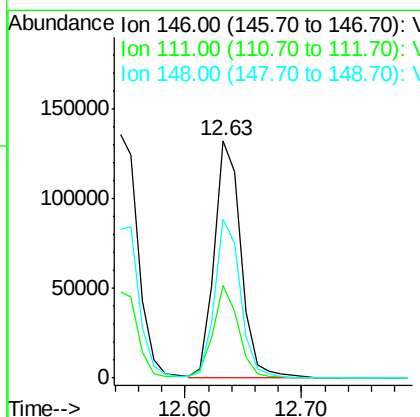
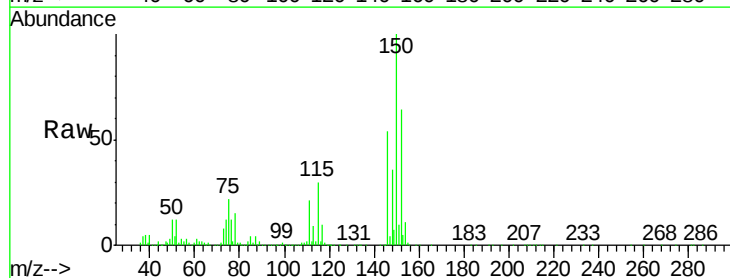
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

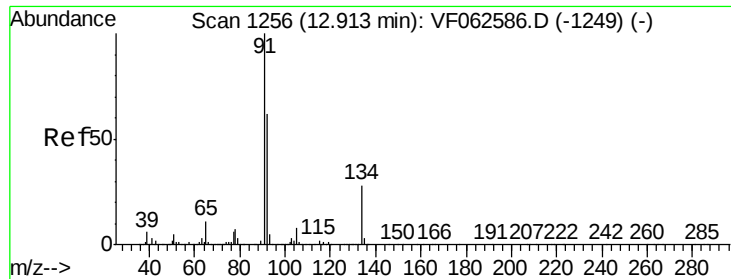
Tot Ion:146 Resp: 221728
 Ion Ratio Lower Upper
 146 100
 111 35.6 20.1 60.2
 148 61.2 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 19.928 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Tgt Ion:146 Resp: 209356
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.1
 148 66.8 34.2 102.5

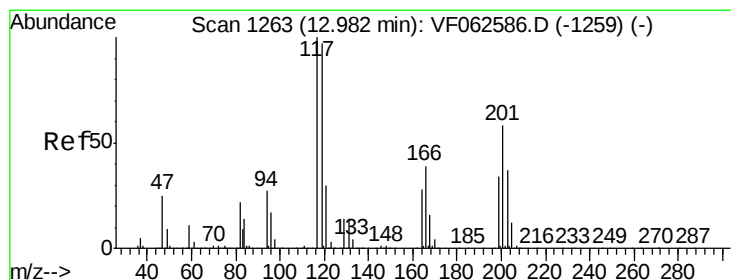
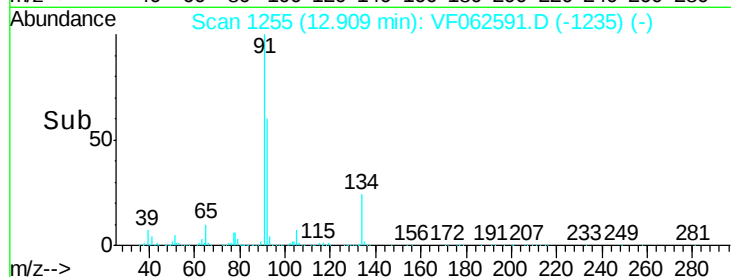
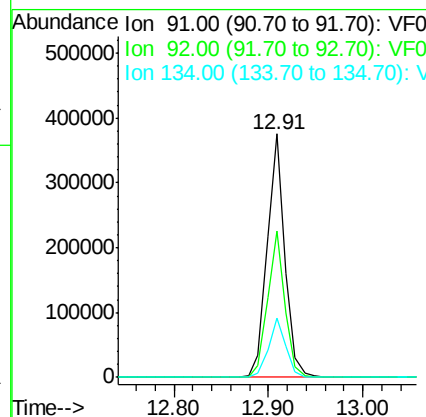
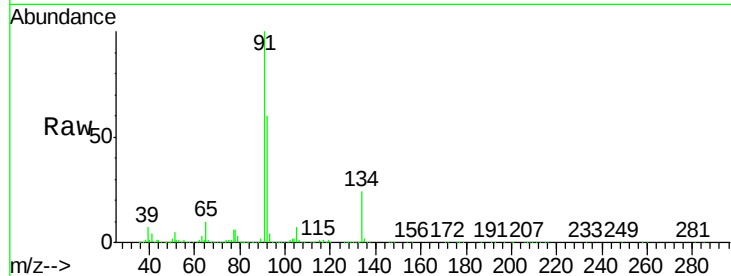




#89
n-Butylbenzene
Concen: 20.784 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

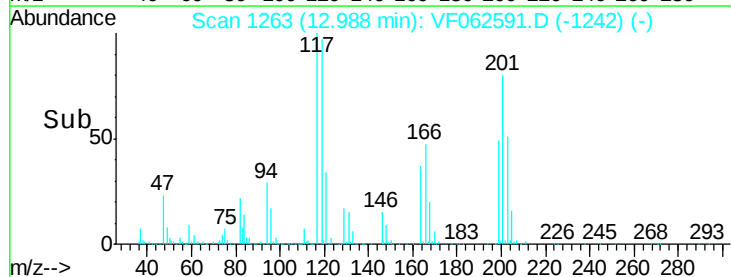
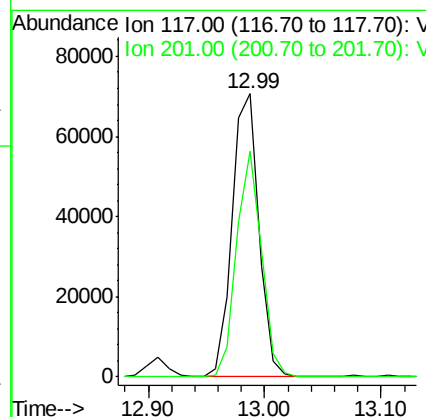
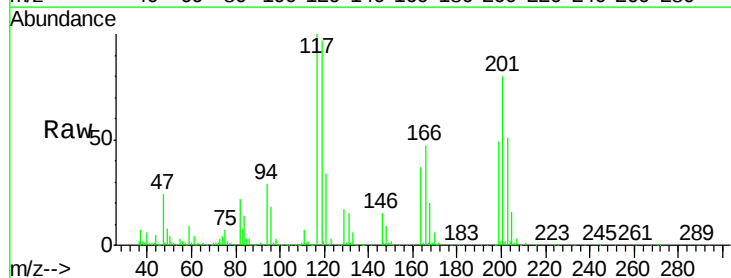
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

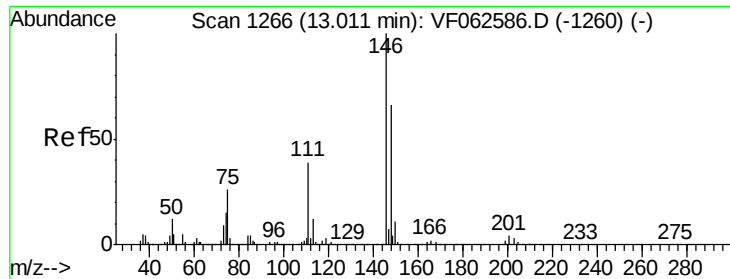
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.9	30.9	92.8
134	24.4	13.9	41.6



#90
Hexachloroethane
Concen: 18.984 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062591.D
Acq: 14 May 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	29.7	89.1

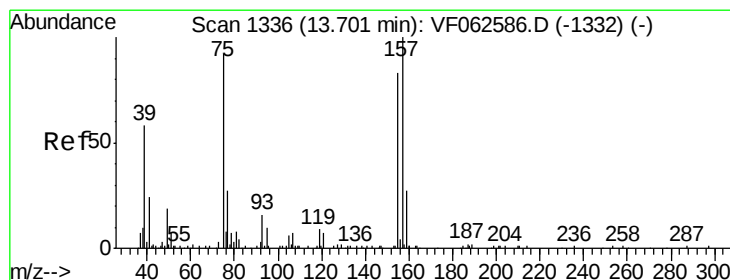
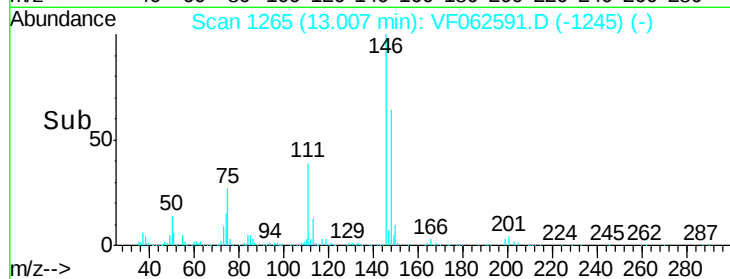
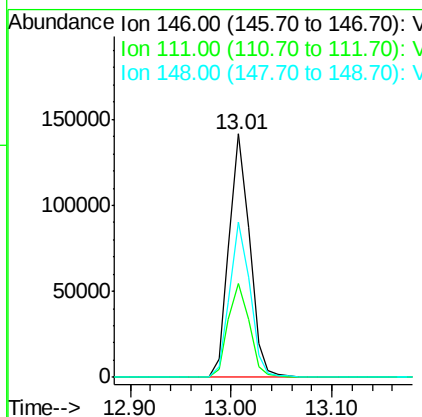
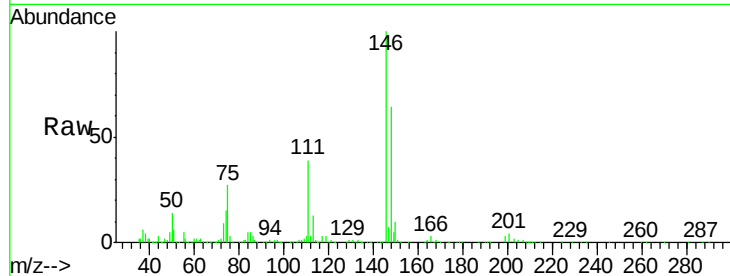




#91
 1,2-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

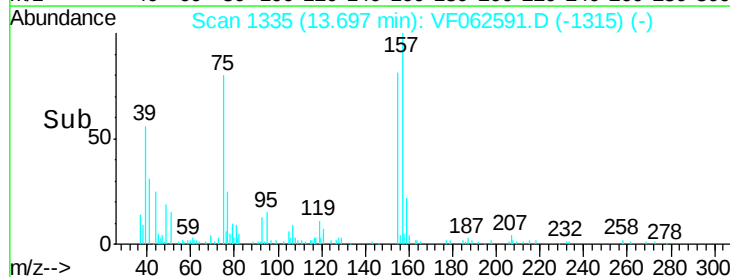
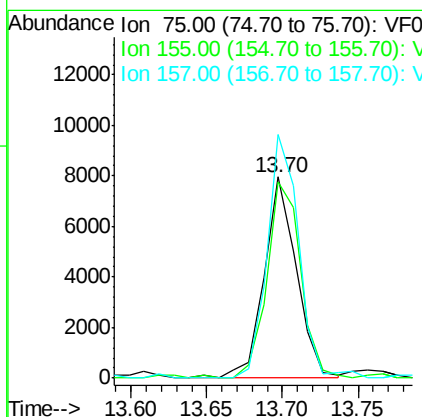
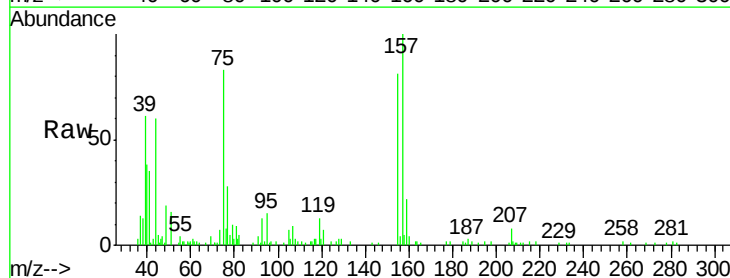
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

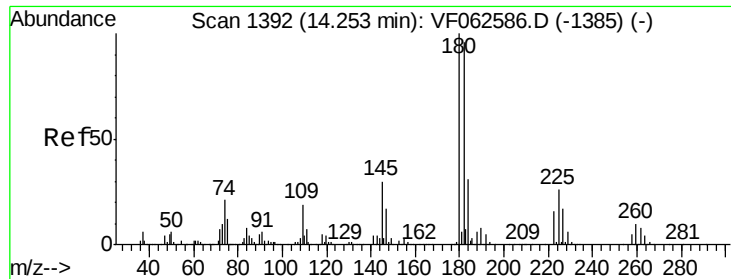
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.6	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.671 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	44.8	134.4
157	121.2	54.1	162.3

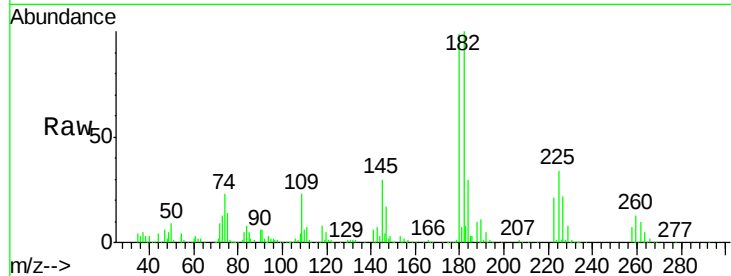




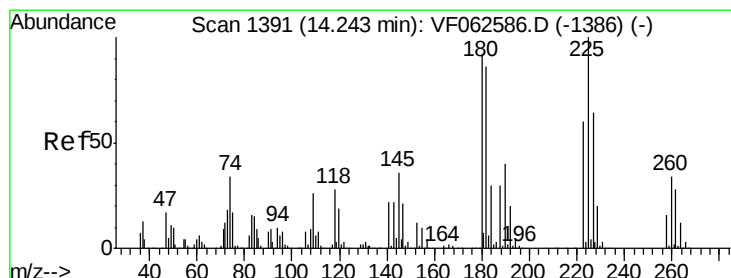
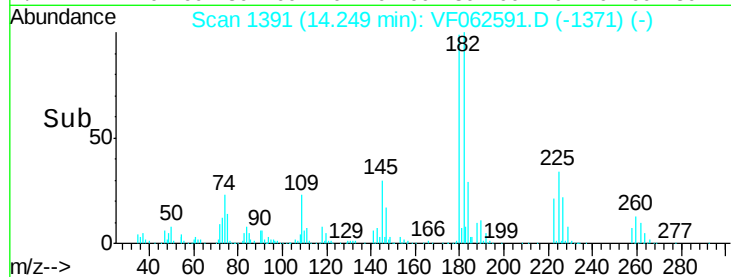
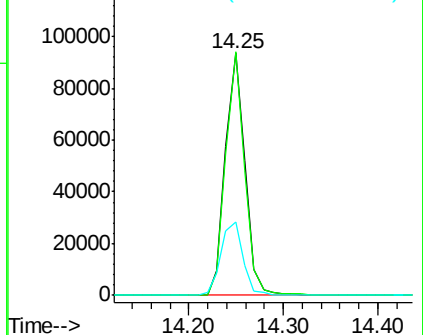
#93
 1,2,4-Trichlorobenzene
 Concen: 19.641 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

Tot Ion:180 Resp: 135698
 Ion Ratio Lower Upper
 180 100
 182 100.6 47.9 143.8
 145 30.4 14.8 44.4

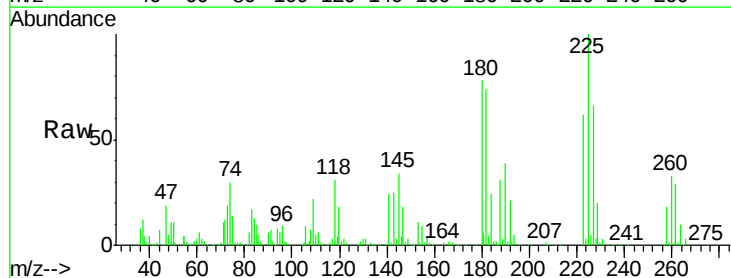


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

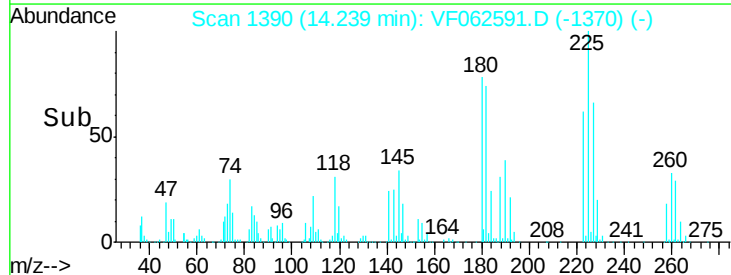
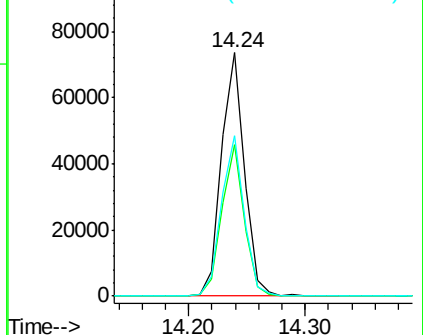


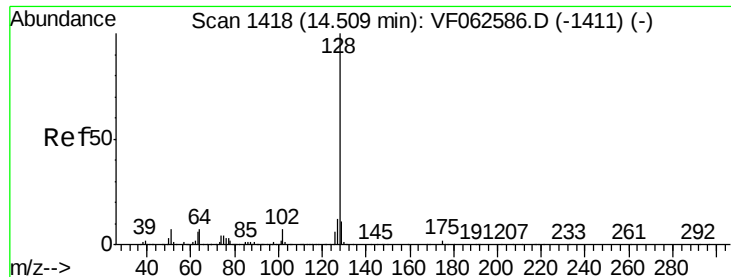
#94
 Hexachlorobutadiene
 Concen: 20.051 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062591.D
 Acq: 14 May 2019 20:41

Tgt Ion:225 Resp: 100632
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.9 89.7
 227 65.8 31.9 95.9



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: 18.611 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

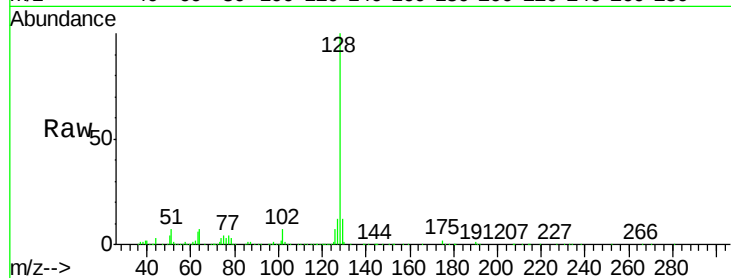
Tot Ion:128 Resp: 209283

Ion Ratio Lower Upper

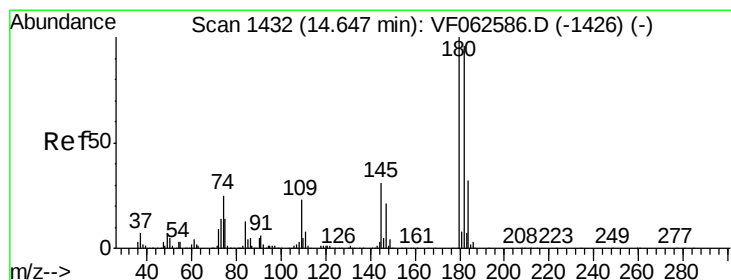
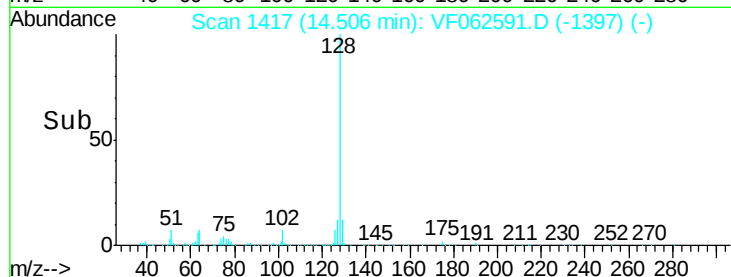
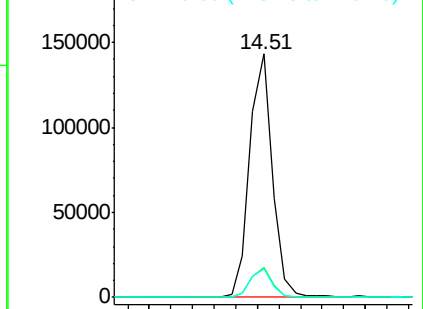
128 100

127 12.4 9.5 14.3

129 11.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.933 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062591.D

Acq: 14 May 2019 20:41

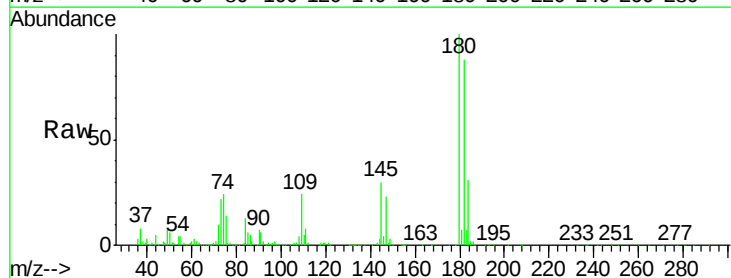
Tgt Ion:180 Resp: 127758

Ion Ratio Lower Upper

180 100

182 88.5 48.1 144.3

145 30.2 15.6 46.7



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

