

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062592.D
 Acq On : 14 May 2019 21:09
 Operator : FY/SY
 Sample : VF0514SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBSD01

Quant Time: May 15 05:33:04 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	626989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1085098	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	777563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	397630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	205578	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	4.33	113	376410	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	7.73	98	858622	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
62) 4-Bromofluorobenzene	11.50	95	289526	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	149336	23.177	ug/l	95
3) Chloromethane	1.14	50	156441	21.879	ug/l	96
4) Vinyl Chloride	1.19	62	148807	20.910	ug/l	100
5) Bromomethane	1.39	94	67231	17.918	ug/l	87
6) Chloroethane	1.45	64	53622	19.842	ug/l	96
7) Trichlorofluoromethane	1.56	101	201193	20.634	ug/l	97
8) Diethyl Ether	1.72	74	41233	18.865	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.92	101	134971	20.293	ug/l	95
10) Methyl Iodide	1.99	142	235479m	19.879	ug/l	
11) Tert butyl alcohol	2.70	59	27507	96.456	ug/l	99
12) 1,1-Dichloroethene	1.88	96	115740	20.315	ug/l	91
13) Acrolein	2.11	56	21731	114.981	ug/l #	80
14) Allyl chloride	2.21	41	127533	21.876	ug/l	95
15) Acrylonitrile	3.11	53	126603	124.105	ug/l #	81
16) Acetone	2.37	43	94351	98.167	ug/l #	86
17) Carbon Disulfide	1.92	76	288590	20.584	ug/l	96
18) Methyl Acetate	2.47	43	43301	17.884	ug/l #	88
19) Methyl tert-butyl Ether	2.56	73	221333	21.819	ug/l	99
20) Methylene Chloride	2.31	84	123350m	17.959	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	120649	21.012	ug/l #	88
22) Diisopropyl ether	2.95	45	278039	20.512	ug/l	99
23) Vinyl Acetate	3.36	43	796912	107.486	ug/l	98
24) 1,1-Dichloroethane	3.04	63	209221	20.276	ug/l	98
25) 2-Butanone	4.54	43	219404	100.973	ug/l	99
26) 2,2-Dichloropropane	3.80	77	112832	20.261	ug/l	91
27) cis-1,2-Dichloroethene	3.67	96	168730	20.800	ug/l	96
28) Bromochloromethane	3.93	49	121549	20.956	ug/l	93
29) Tetrahydrofuran	4.30	42	99527	108.240	ug/l	99
30) Chloroform	4.07	83	251814	20.338	ug/l	93
31) Cyclohexane	3.89	56	226164	21.030	ug/l	94
32) 1,1,1-Trichloroethane	4.32	97	180495	21.627	ug/l	99
36) 1,1-Dichloropropene	4.50	75	192138	20.463	ug/l	98
37) Ethyl Acetate	4.33	43	87253	22.614	ug/l #	75
38) Carbon Tetrachloride	4.21	117	156973	20.380	ug/l	96

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 VF0514SBSD01

Quant Time: May 15 05:33:04 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)
39) Methylcyclohexane	5.66	83	225411	20.504	ug/l	92
40) Benzene	4.85	78	542768	20.319	ug/l	97
41) Methacrylonitrile	4.96	41	44149	20.206	ug/l	96
42) 1,2-Dichloroethane	5.16	62	105618	18.633	ug/l	96
43) Isopropyl Acetate	7.14	43	92219	20.198	ug/l #	87
44) Trichloroethene	5.71	130	143818	19.936	ug/l	90
45) 1,2-Dichloropropane	6.43	63	135445	20.145	ug/l	97
46) Dibromomethane	6.28	93	75265	20.022	ug/l	98
47) Bromodichloromethane	6.58	83	160142	19.817	ug/l	97
48) Methyl methacrylate	6.90	41	49984	20.000	ug/l	93
49) 1,4-Dioxane	6.90	88	10426	316.575	ug/l #	73
51) 4-Methyl-2-Pentanone	8.42	43	341163	101.976	ug/l	92
52) Toluene	7.80	92	254821	19.004	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	113835	17.831	ug/l	92
54) cis-1,3-Dichloropropene	7.48	75	168610	18.689	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	78716	19.606	ug/l	93
56) Ethyl methacrylate	8.77	69	82972	18.856	ug/l	99
57) 1,3-Dichloropropane	9.02	76	133349	20.124	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	145922	105.987	ug/l	96
59) 2-Hexanone	9.64	43	228752	103.530	ug/l	98
60) Dibromochloromethane	8.88	129	101646	19.927	ug/l	91
61) 1,2-Dibromoethane	9.15	107	81498	20.240	ug/l	95
64) Tetrachloroethene	8.33	164	111170	21.636	ug/l	92
65) Chlorobenzene	9.96	112	267920	19.819	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	111849	20.144	ug/l	98
67) Ethyl Benzene	10.05	91	497175	20.701	ug/l	97
68) m/p-Xylenes	10.27	106	349728	41.083	ug/l	91
69) o-Xylene	10.83	106	180639	20.228	ug/l	90
70) Styrene	10.90	104	263469	19.417	ug/l	95
71) Bromoform	10.89	173	49106	18.783	ug/l #	94
73) Isopropylbenzene	11.23	105	514602	19.248	ug/l	98
74) N-amyl acetate	11.46	43	146909	22.630	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	99899	18.239	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	68670	19.557	ug/l	88
77) Bromobenzene	11.59	156	118877	19.676	ug/l	93
78) n-propylbenzene	11.68	91	609554	19.168	ug/l	94
79) 2-Chlorotoluene	11.81	91	352347	20.077	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	432356	20.659	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	24984m	16.694	ug/l	
82) 4-Chlorotoluene	11.99	91	345607	20.140	ug/l	99
83) tert-Butylbenzene	12.20	119	457078	20.879	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	417776	20.322	ug/l	97
85) sec-Butylbenzene	12.38	105	603321	20.300	ug/l	97
86) p-Isopropyltoluene	12.53	119	505979	20.682	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	229599	19.430	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	215412	19.432	ug/l	94
89) n-Butylbenzene	12.90	91	525917	21.118	ug/l	97
90) Hexachloroethane	12.98	117	121587	19.402	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	203876	19.448	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13053	19.402	ug/l	78

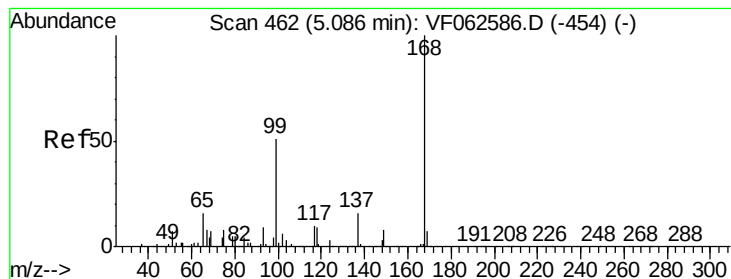
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
Data File : VF062592.D
Acq On : 14 May 2019 21:09
Operator : FY/SY
Sample : VF0514SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0514SBSD01

Quant Time: May 15 05:33:04 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.25	180	147947	20.295	ug/l	95
94) Hexachlorobutadiene	14.23	225	104290	19.694	ug/l	94
95) Naphthalene	14.50	128	241514	20.354	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	134098	19.828	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

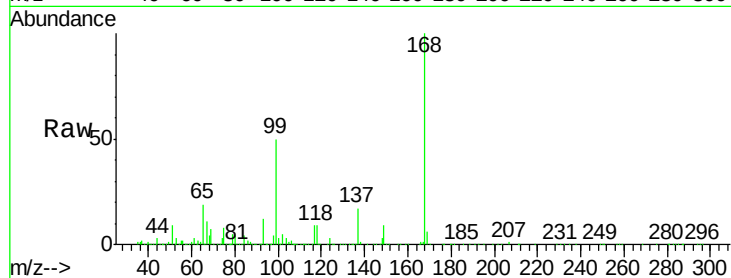
VF0514SBS01

Tot Ion:168 Resp: 626989

Ion Ratio Lower Upper

168 100

99 50.2 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

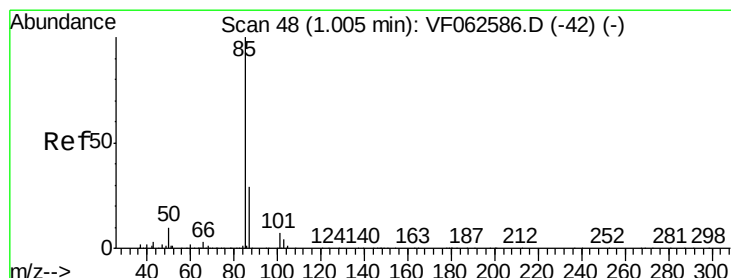
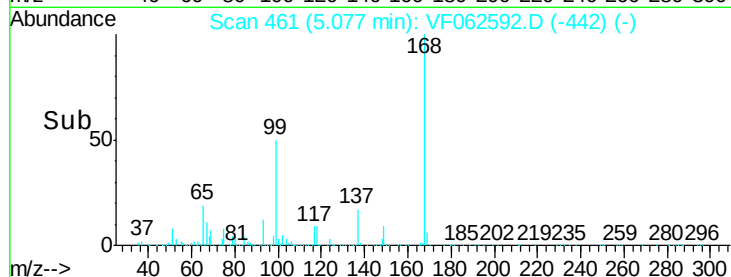
100000

50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 23.177 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062592.D

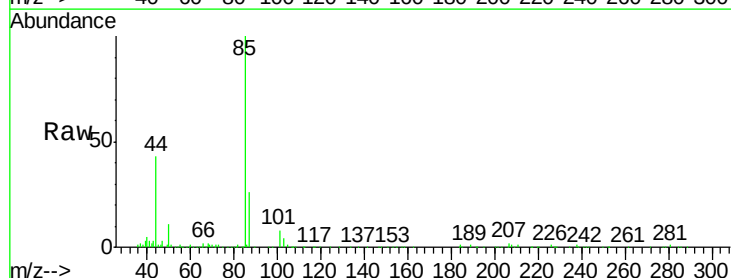
Acq: 14 May 2019 21:09

Tgt Ion: 85 Resp: 149336

Ion Ratio Lower Upper

85 100

87 26.4 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

50000

40000

30000

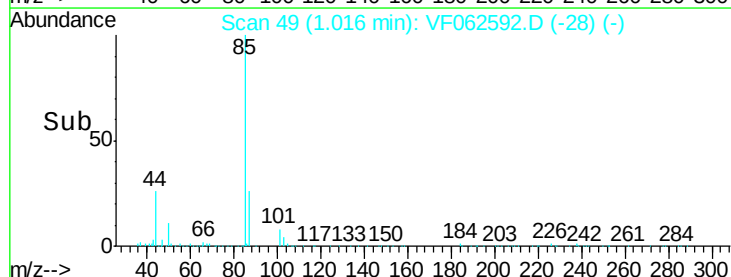
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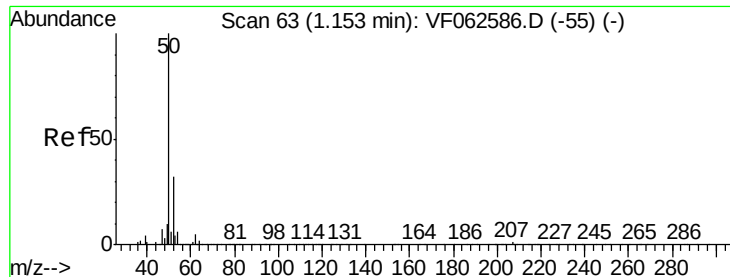
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.879 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

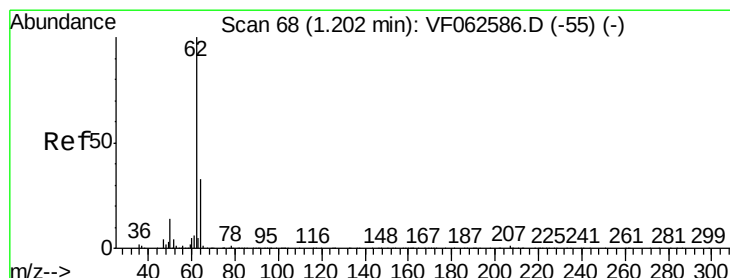
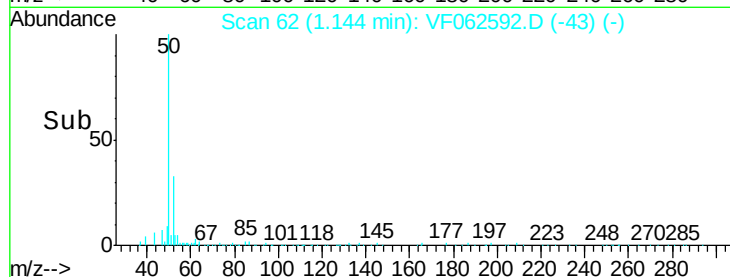
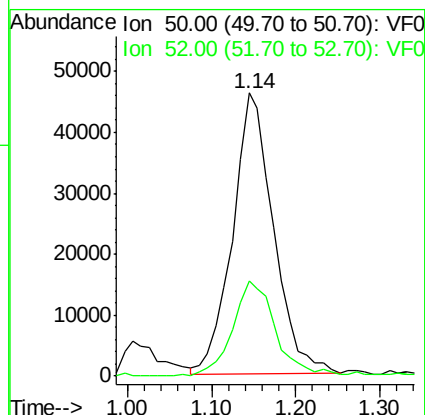
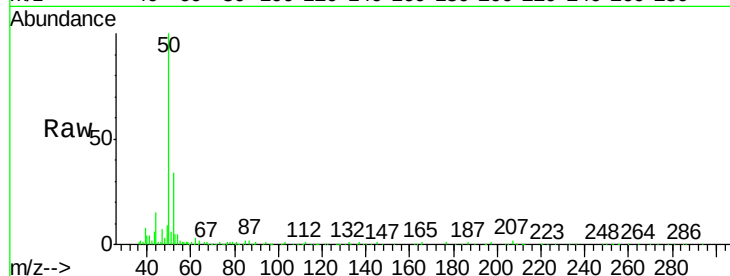
VF0514SBSD01

Tot Ion: 50 Resp: 156441

Ion Ratio Lower Upper

50 100

52 33.7 25.3 37.9



#4

Vinyl Chloride

Concen: 20.910 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062592.D

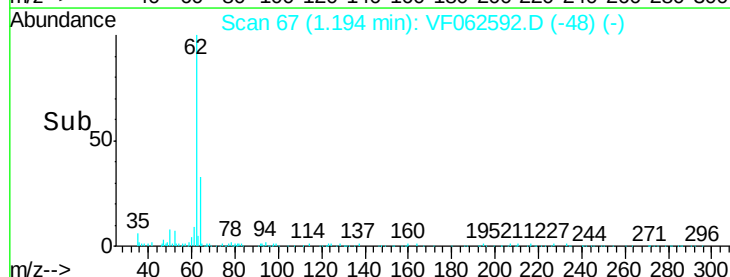
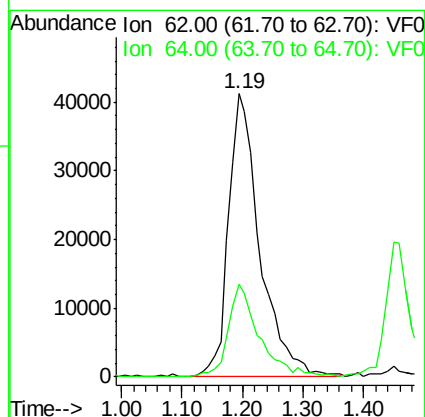
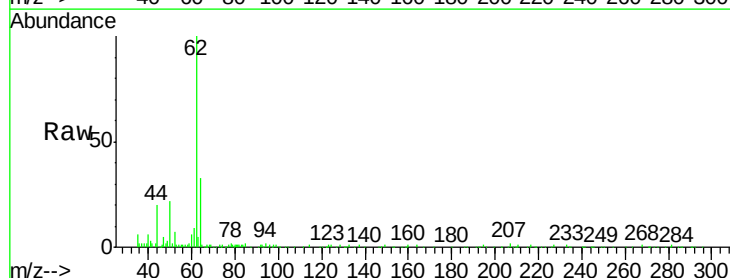
Acq: 14 May 2019 21:09

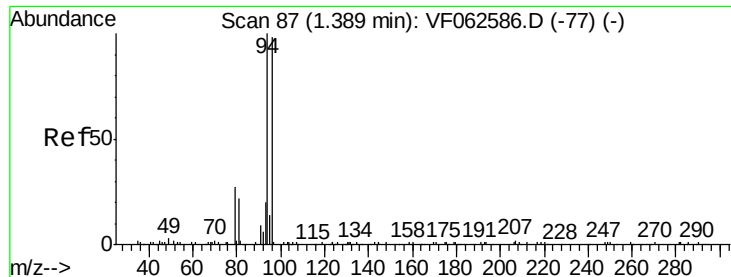
Tgt Ion: 62 Resp: 148807

Ion Ratio Lower Upper

62 100

64 32.9 26.5 39.7





#5

Bromomethane

Concen: 17.918 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

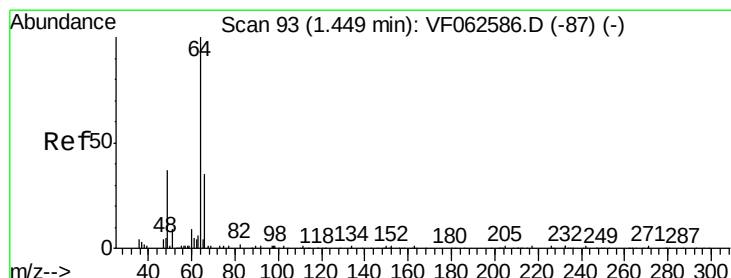
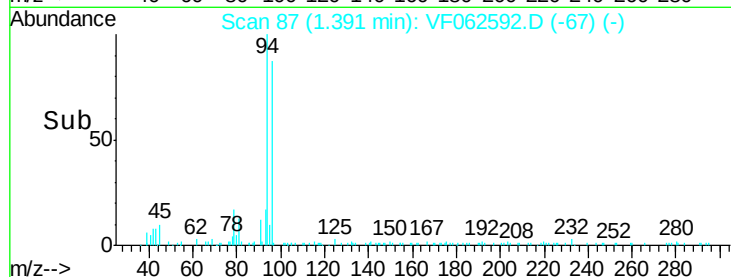
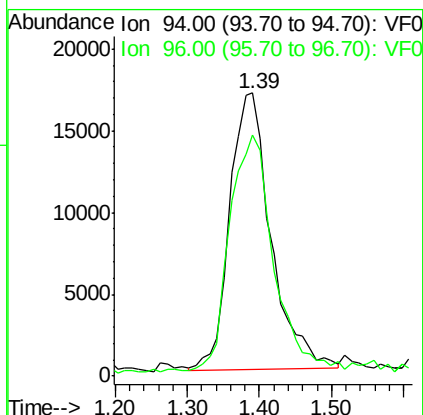
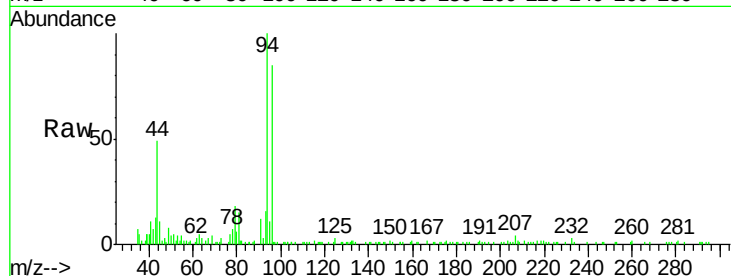
VF0514SBSD01

Tot Ion: 94 Resp: 67231

Ion Ratio Lower Upper

94 100

96 86.0 79.3 118.9



#6

Chloroethane

Concen: 19.842 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062592.D

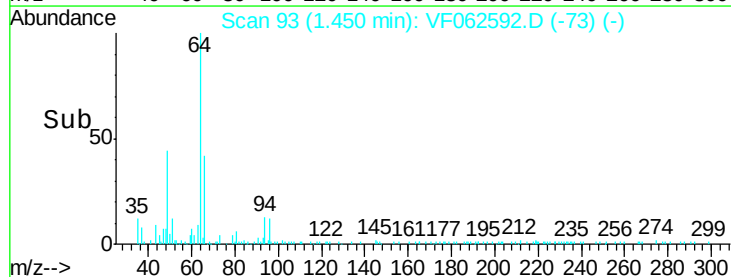
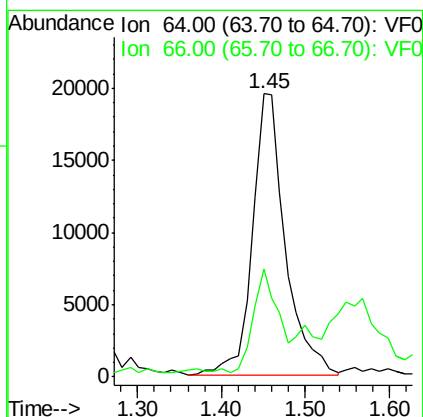
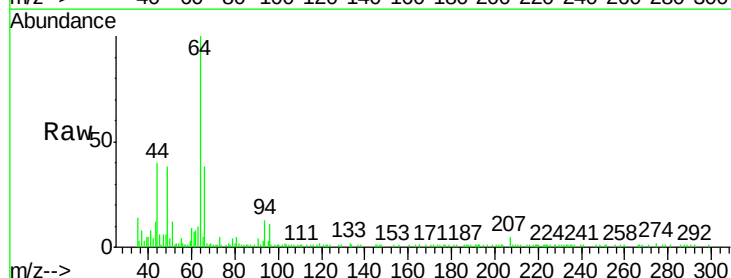
Acq: 14 May 2019 21:09

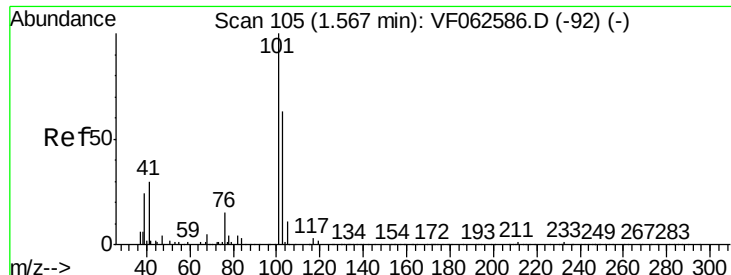
Tgt Ion: 64 Resp: 53622

Ion Ratio Lower Upper

64 100

66 38.2 28.9 43.3



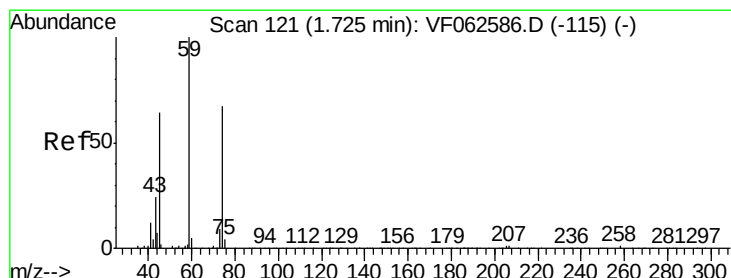
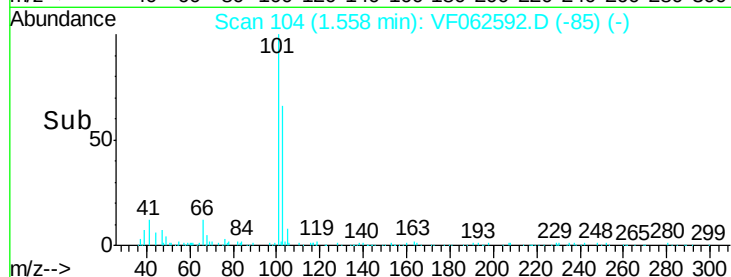
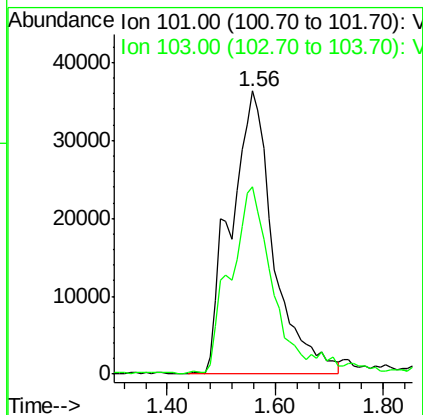
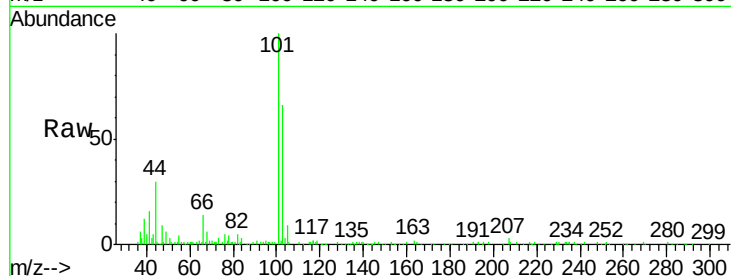


#7

Trichlorofluoromethane
Concen: 20.634 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

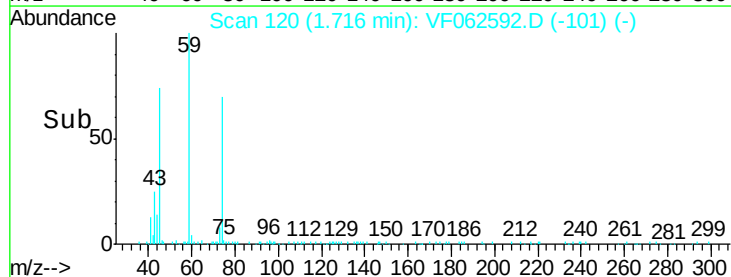
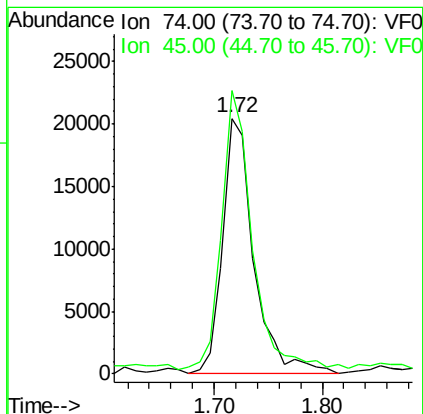
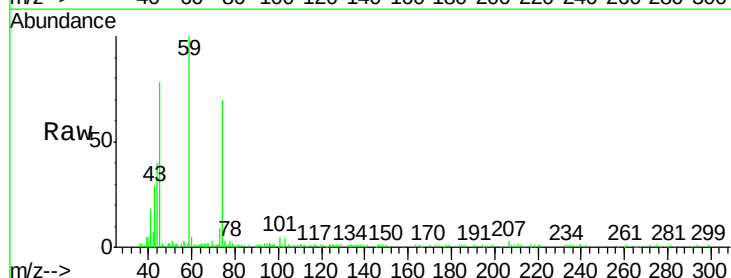
Tot Ion:101 Resp: 201193
Ion Ratio Lower Upper
101 100
103 66.1 50.8 76.2

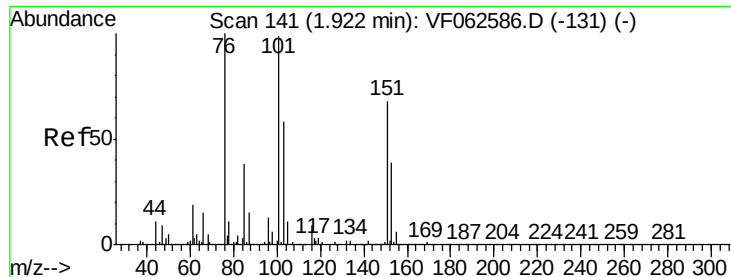


#8

Diethyl Ether
Concen: 18.865 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion: 74 Resp: 41233
Ion Ratio Lower Upper
74 100
45 110.7 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.293 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

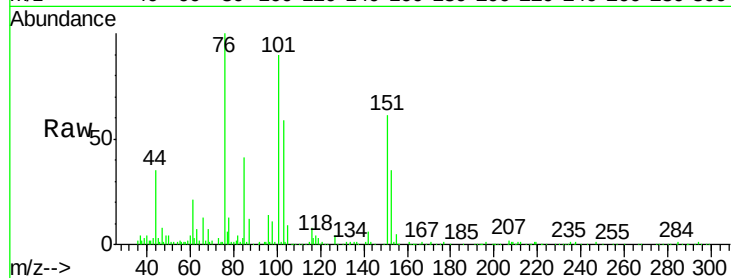
Tot Ion:101 Resp: 134971

Ion Ratio Lower Upper

101 100

85 45.3 30.2 45.4

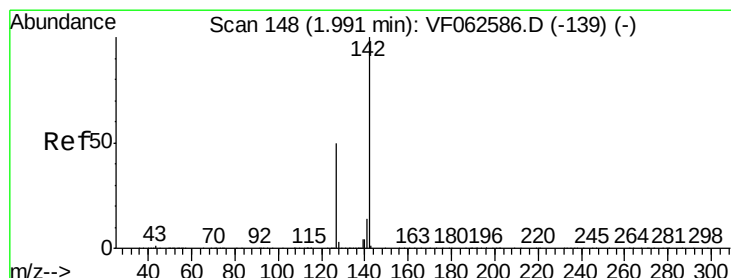
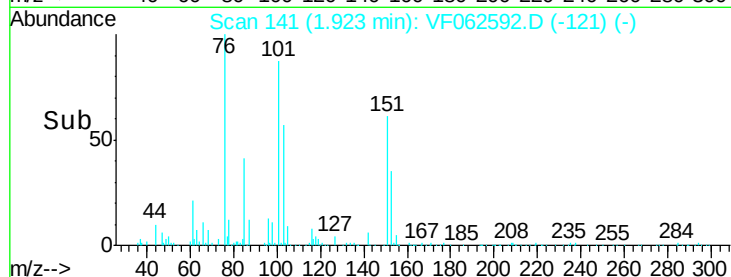
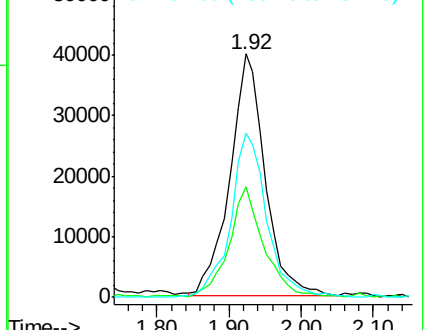
151 67.4 54.5 81.7



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: 19.879 ug/l m

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

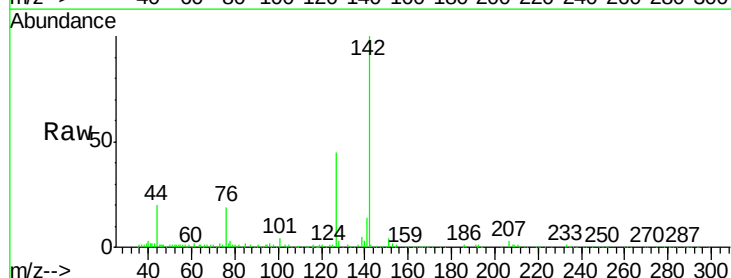
Tgt Ion:142 Resp: 235479

Ion Ratio Lower Upper

142 100

127 44.8 40.2 60.4

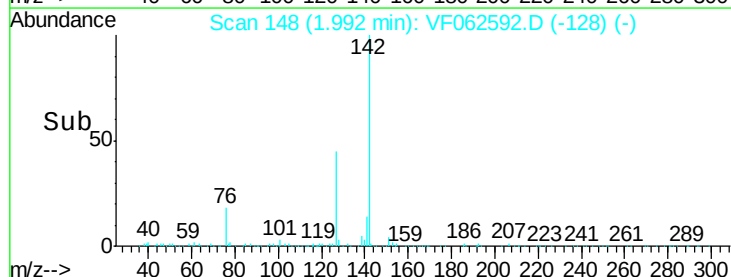
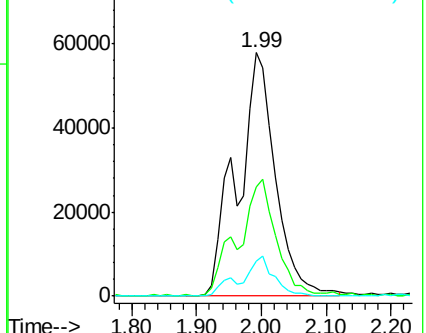
141 14.2 11.6 17.4

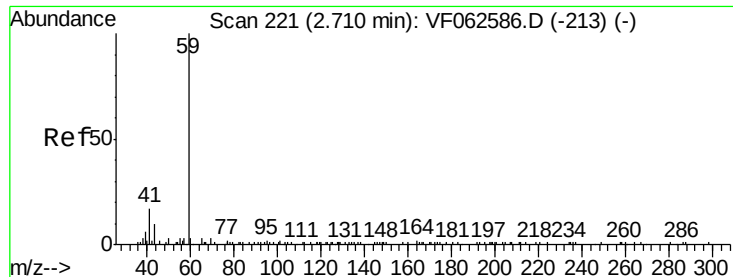


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



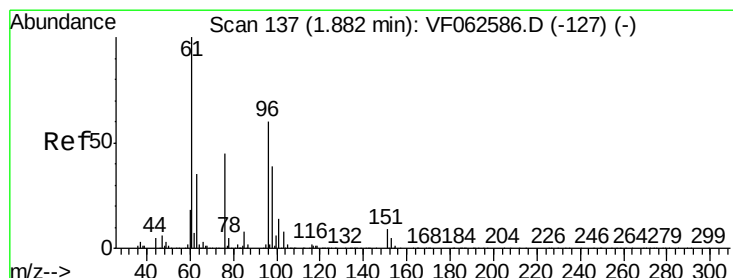
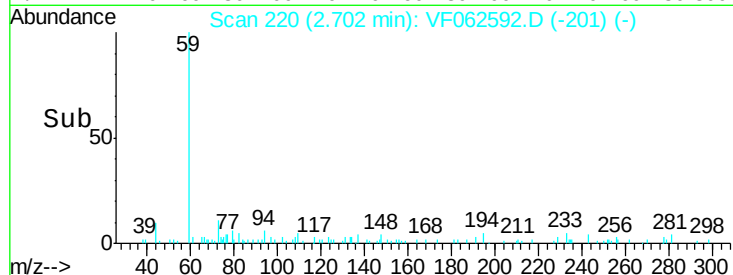
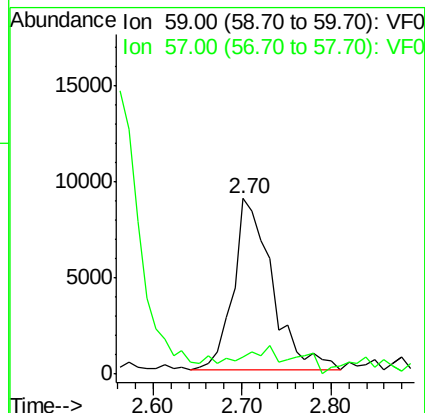
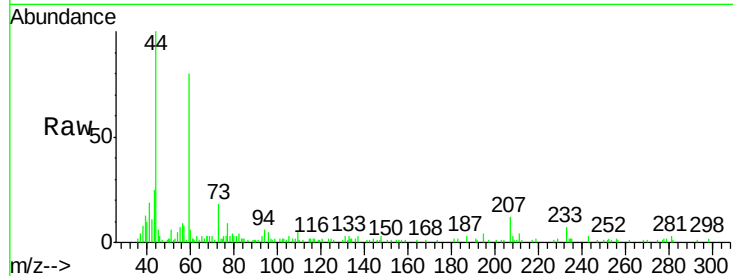


#11

Tert butyl alcohol
Concen: 96.456 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

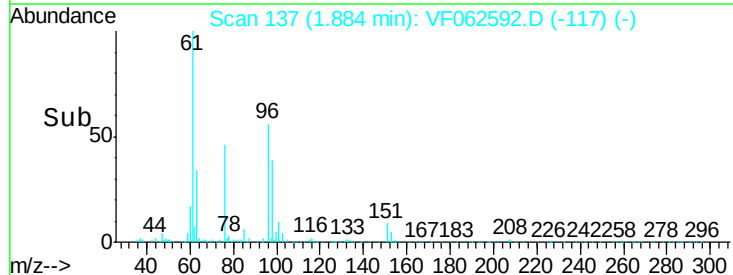
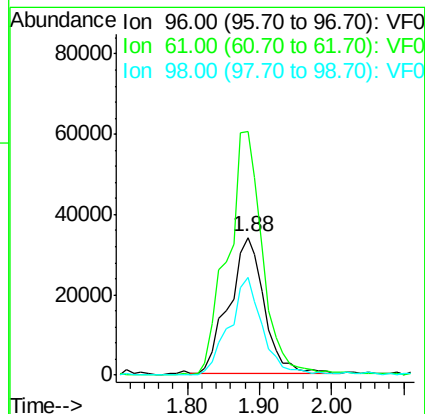
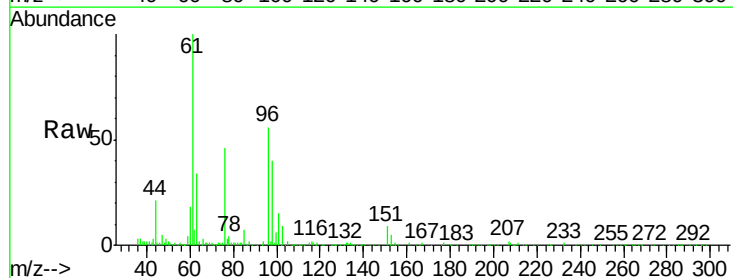
Tot Ion: 59 Resp: 27507
Ion Ratio Lower Upper
59 100
57 9.8 8.0 12.0

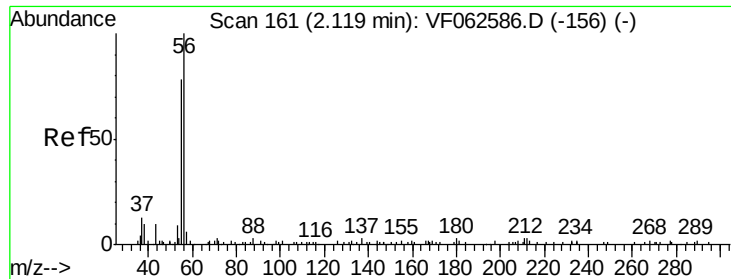


#12

1,1-Dichloroethene
Concen: 20.315 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion: 96 Resp: 115740
Ion Ratio Lower Upper
96 100
61 177.1 132.0 198.0
98 70.9 51.3 76.9





#13

Acrolein

Concen: 114.981 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

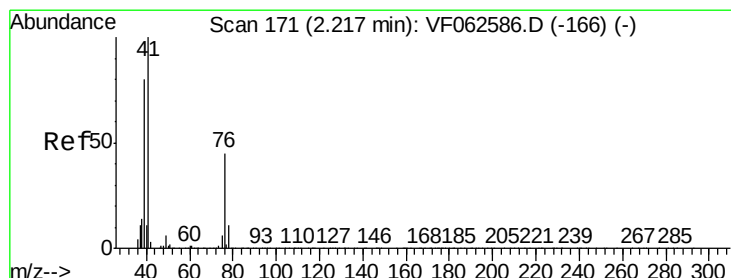
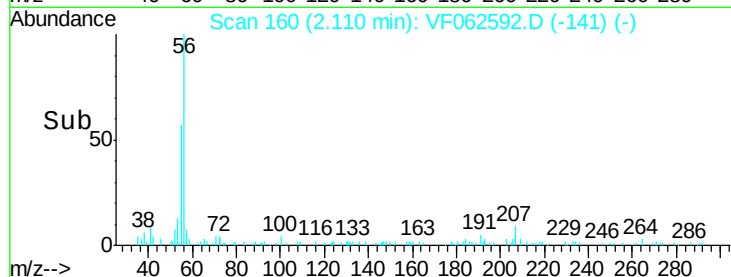
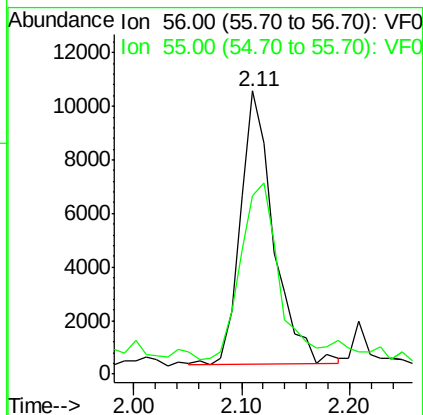
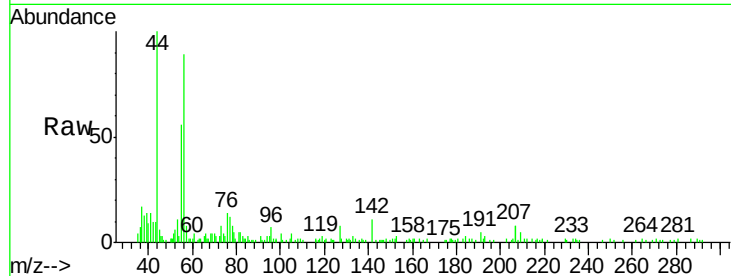
VF0514SBS01

Tot Ion: 56 Resp: 21731

Ion Ratio Lower Upper

56 100

55 62.9 64.6 96.8#



#14

Allyl chloride

Concen: 21.876 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

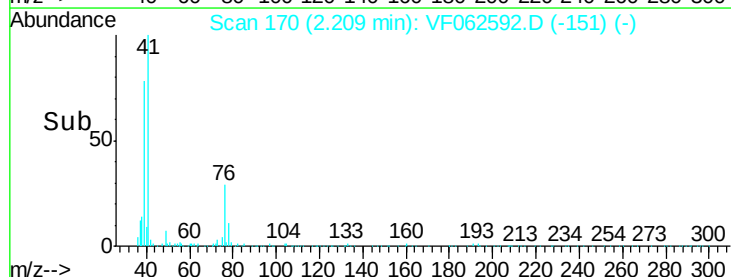
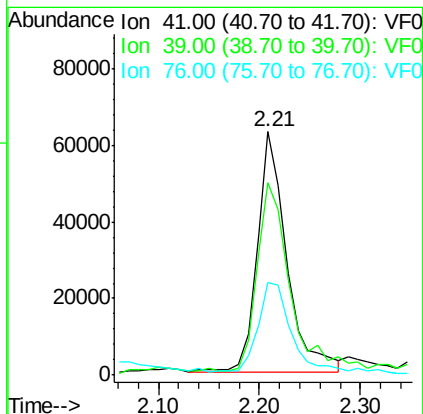
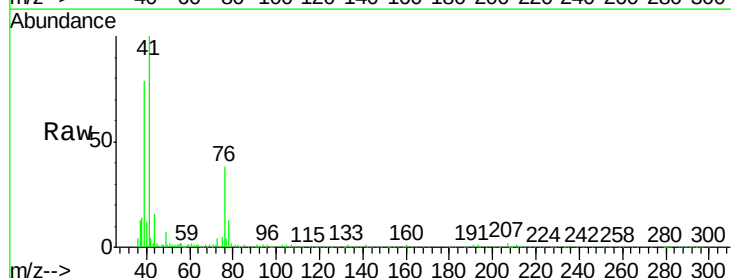
Tgt Ion: 41 Resp: 127533

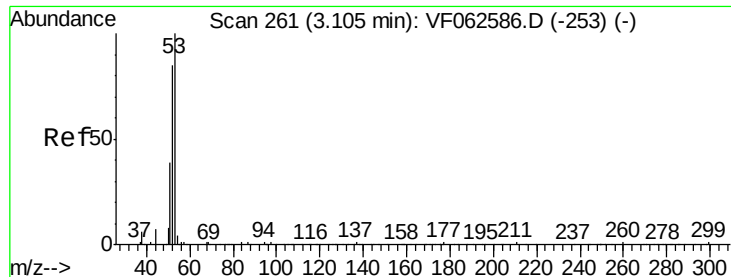
Ion Ratio Lower Upper

41 100

39 79.0 64.6 96.8

76 38.0 36.1 54.1





#15

Acrylonitrile

Concen: 124.105 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

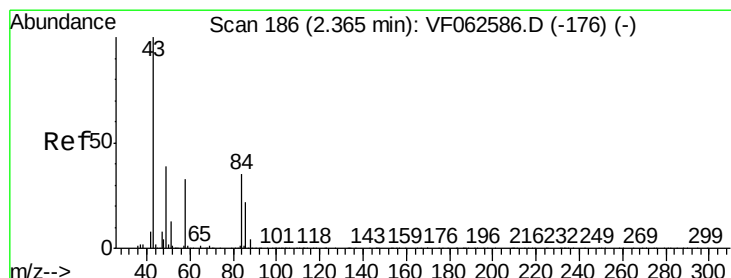
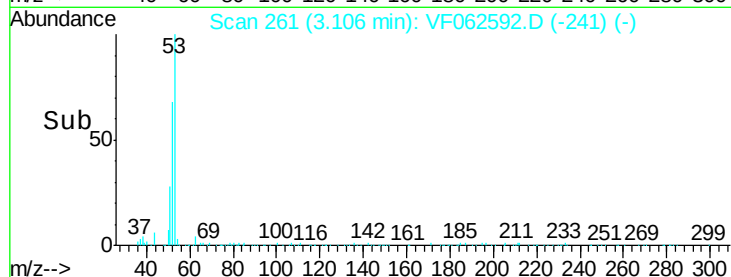
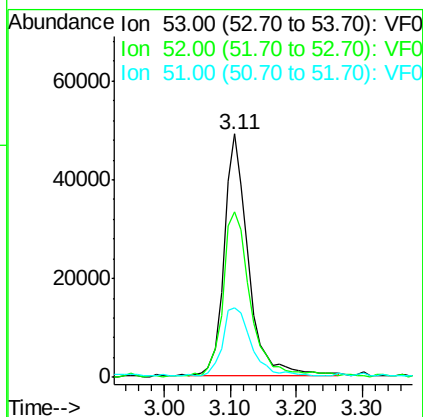
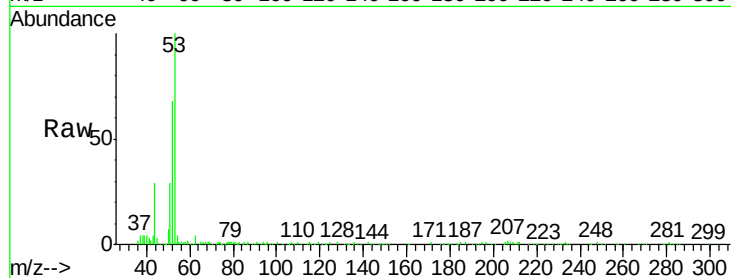
Tot Ion: 53 Resp: 126603

Ion Ratio Lower Upper

53 100

52 67.8 68.3 102.5#

51 28.5 31.5 47.3#



#16

Acetone

Concen: 98.167 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062592.D

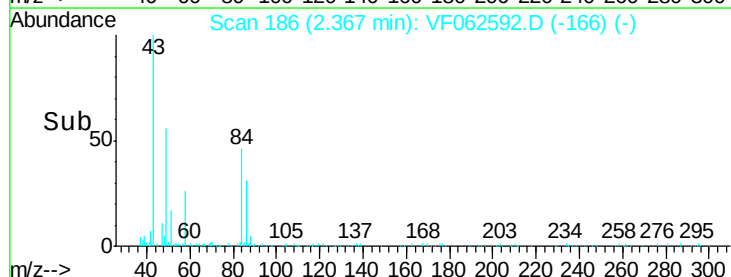
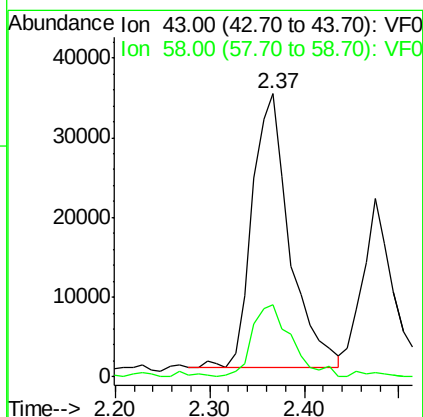
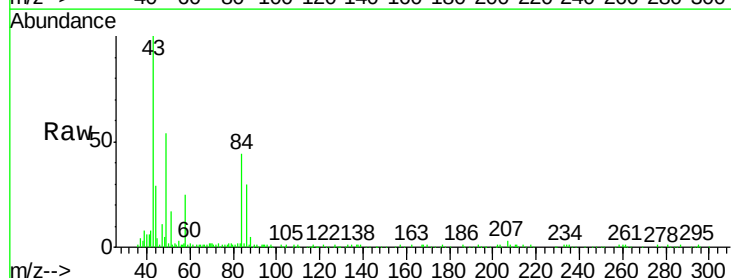
Acq: 14 May 2019 21:09

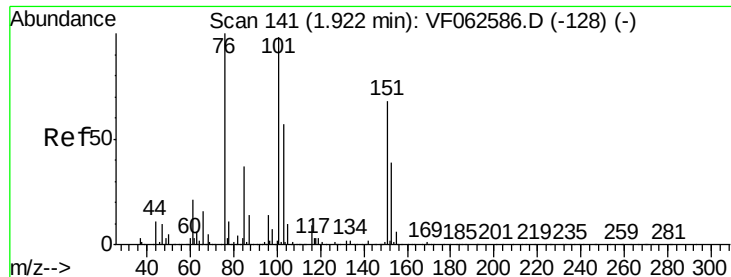
Tgt Ion: 43 Resp: 94351

Ion Ratio Lower Upper

43 100

58 25.5 26.7 40.1#





#17

Carbon Disulfide

Concen: 20.584 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

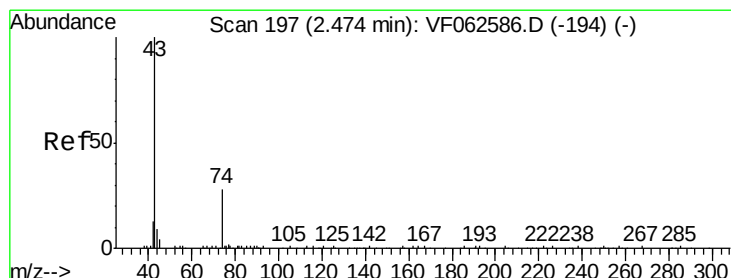
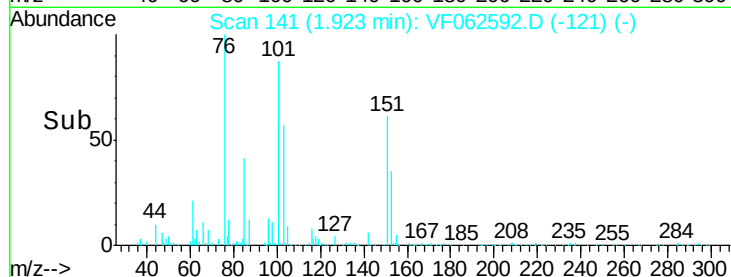
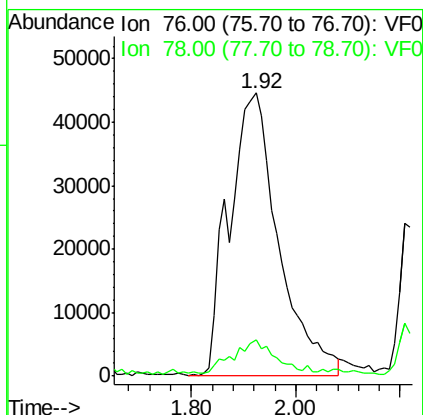
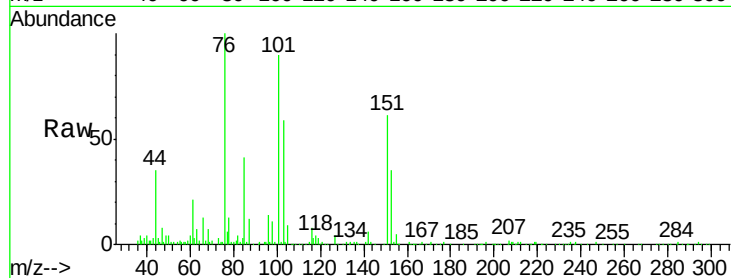
VF0514SBS01

Tot Ion: 76 Resp: 288590

Ion Ratio Lower Upper

76 100

78 12.9 9.0 13.4



#18

Methyl Acetate

Concen: 17.884 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062592.D

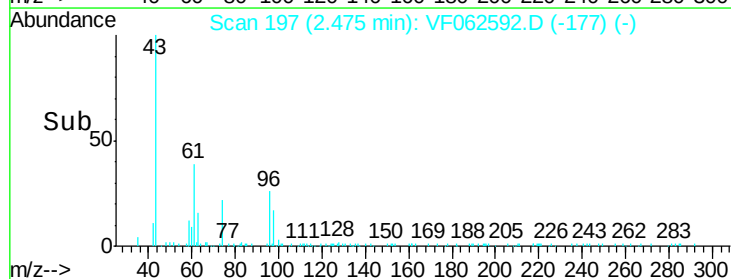
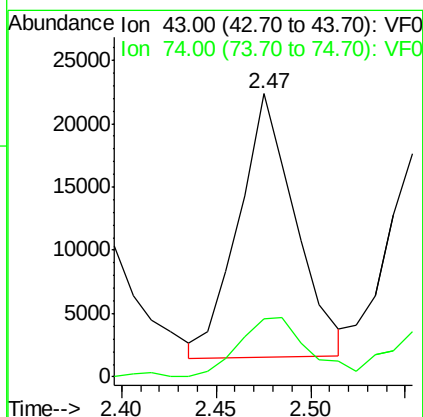
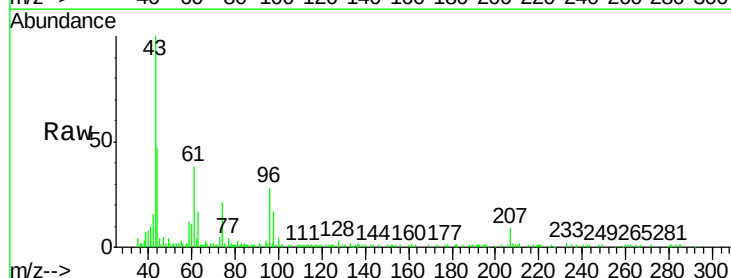
Acq: 14 May 2019 21:09

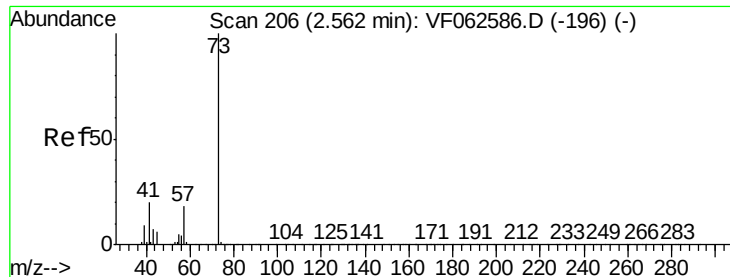
Tgt Ion: 43 Resp: 43301

Ion Ratio Lower Upper

43 100

74 20.6 21.4 32.0#



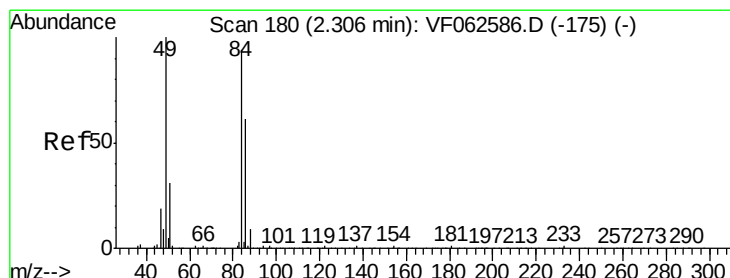
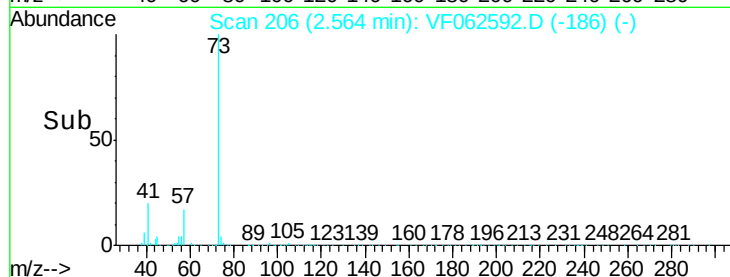
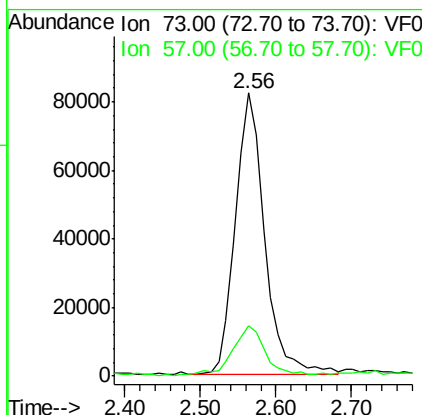
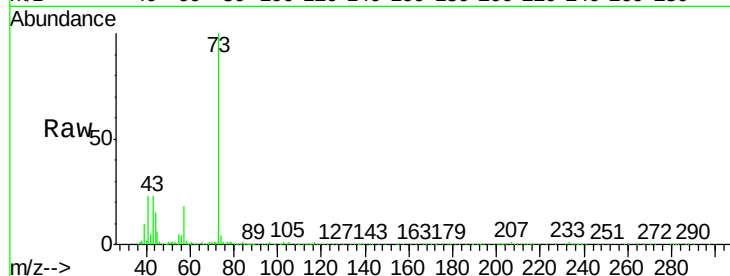


#19

Methyl tert-butyl Ether
 Concen: 21.819 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

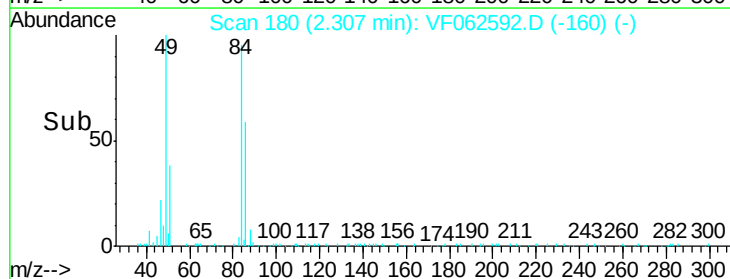
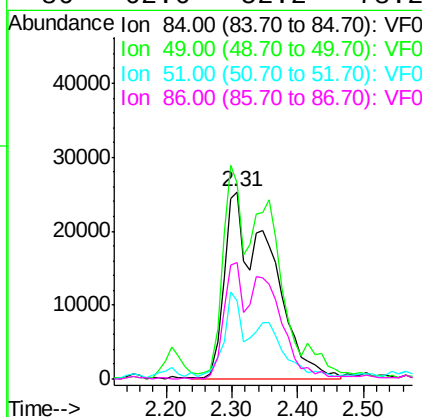
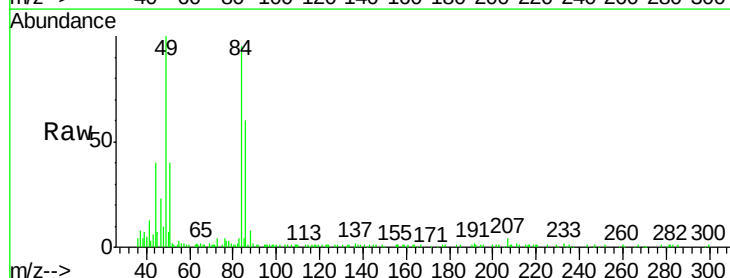
Tot Ion: 73 Resp: 221333
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.6 22.0

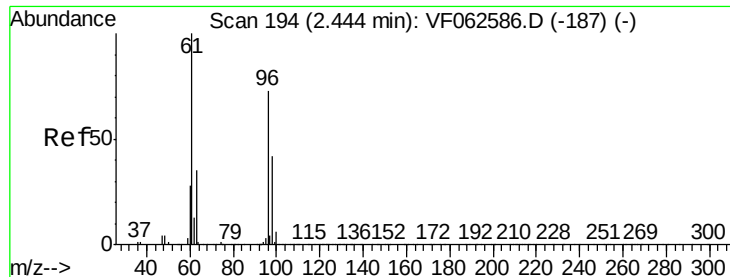


#20

Methylene Chloride
 Concen: 17.959 ug/l m
 RT: 2.31 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Tgt Ion: 84 Resp: 123350
 Ion Ratio Lower Upper
 84 100
 49 104.8 86.9 130.3
 51 41.5 27.0 40.6#
 86 62.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.012 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

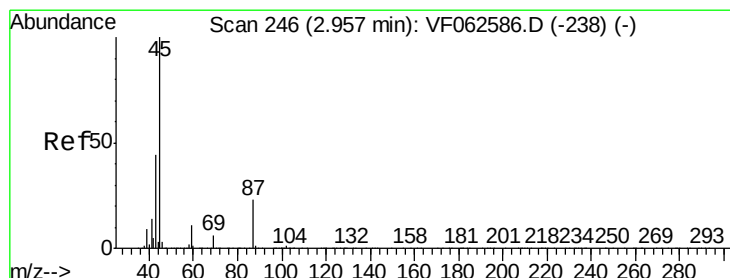
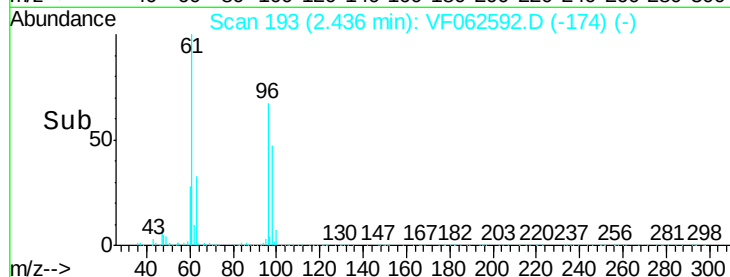
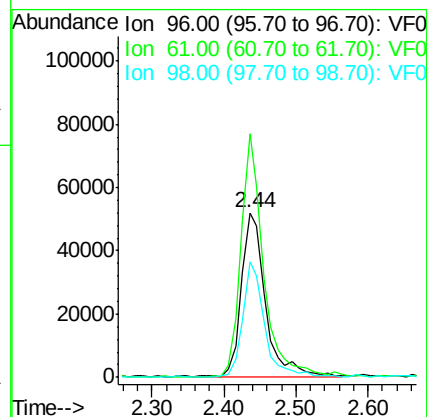
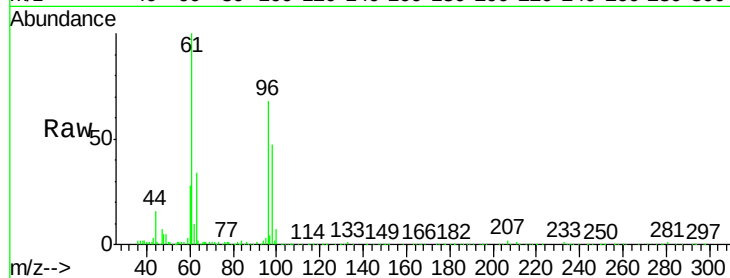
Tot Ion: 96 Resp: 120649

Ion Ratio Lower Upper

96 100

61 148.0 109.2 163.8

98 70.3 46.3 69.5#



#22

Diisopropyl ether

Concen: 20.512 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Tgt Ion: 45 Resp: 278039

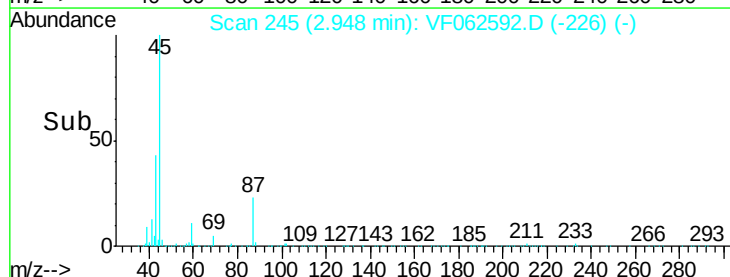
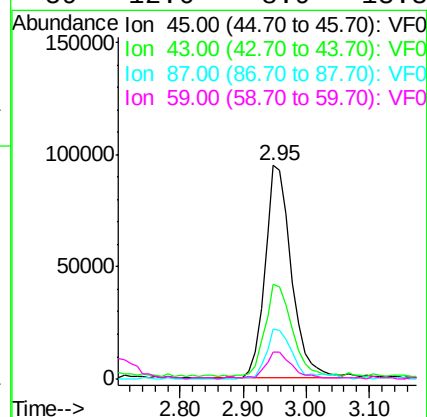
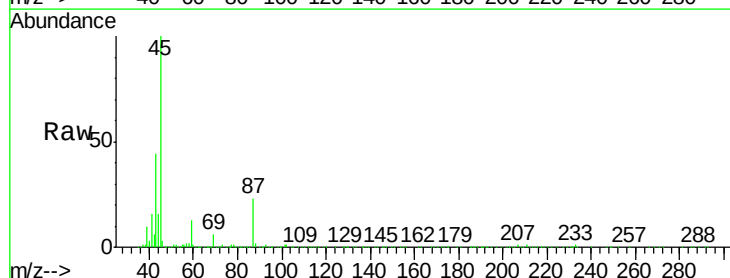
Ion Ratio Lower Upper

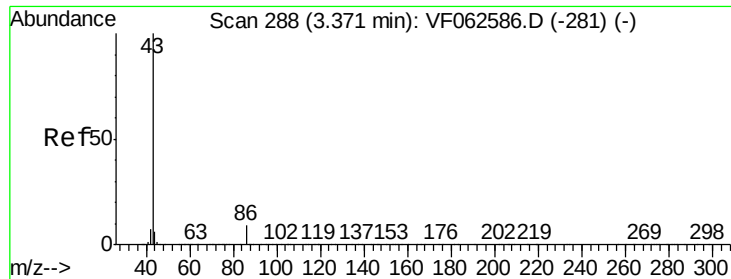
45 100

43 44.5 35.4 53.0

87 23.3 18.4 27.6

59 12.6 8.9 13.3

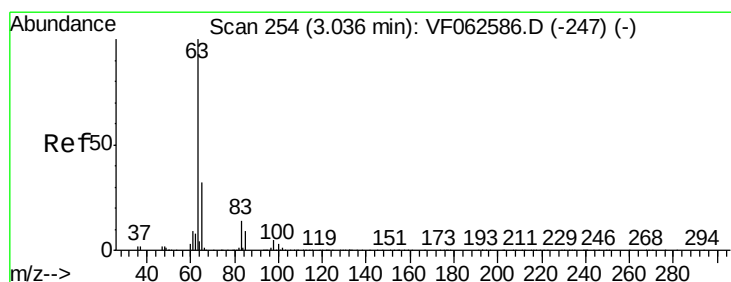
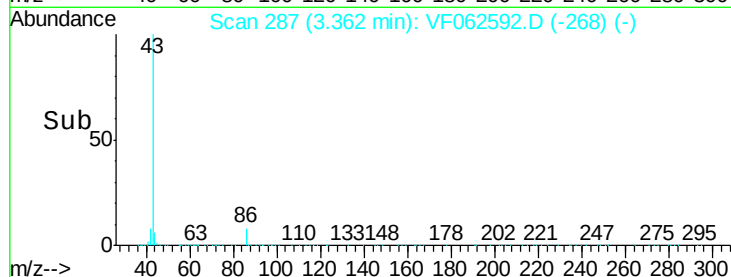
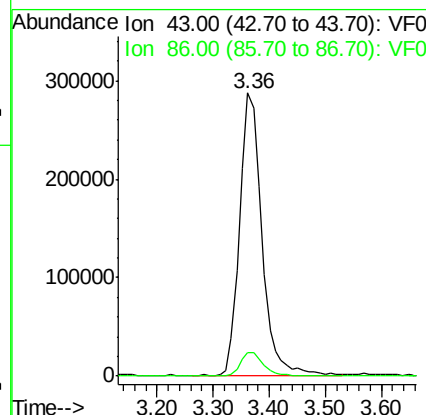
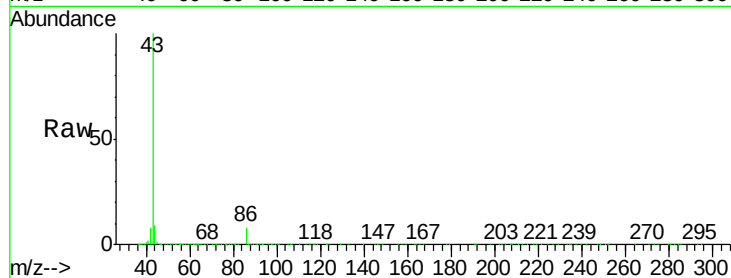




#23
 Vinyl Acetate
 Concen: 107.486 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

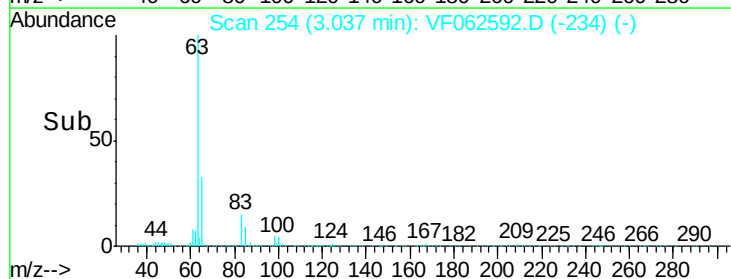
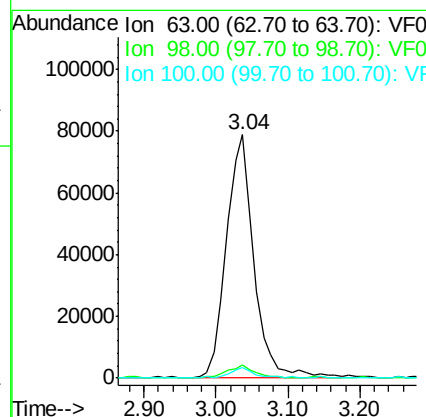
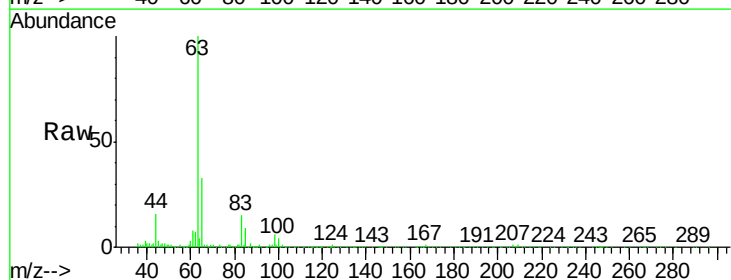
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

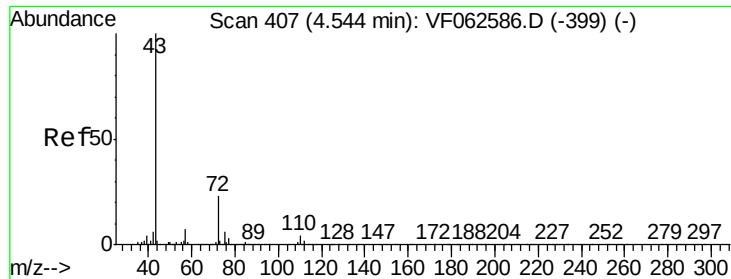
Tot Ion: 43 Resp: 796912
 Ion Ratio Lower Upper
 43 100
 86 8.3 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 20.276 ug/l
 RT: 3.04 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Tgt Ion: 63 Resp: 209221
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.6 7.8
 100 4.3 1.7 5.1





#25

2-Butanone

Concen: 100.973 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

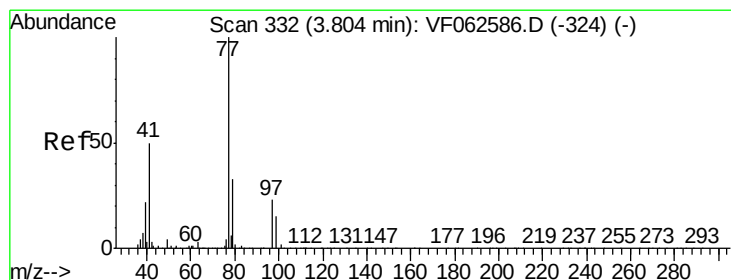
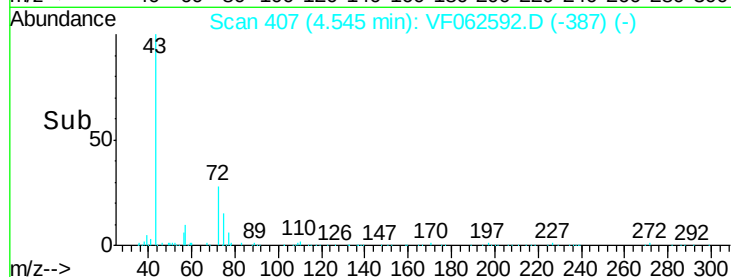
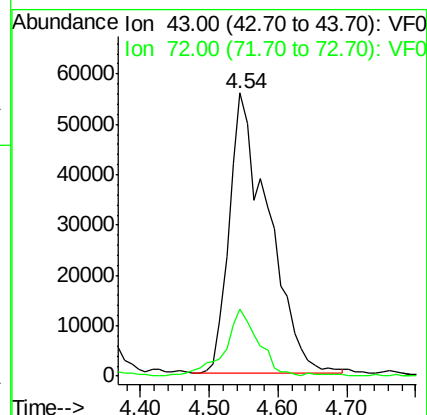
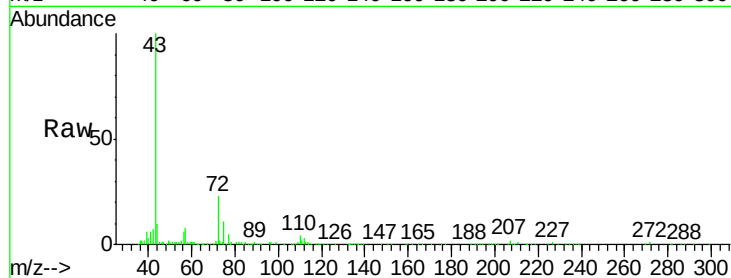
VF0514SBSD01

Tot Ion: 43 Resp: 219404

Ion Ratio Lower Upper

43 100

72 23.5 18.5 27.7



#26

2,2-Dichloropropane

Concen: 20.261 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062592.D

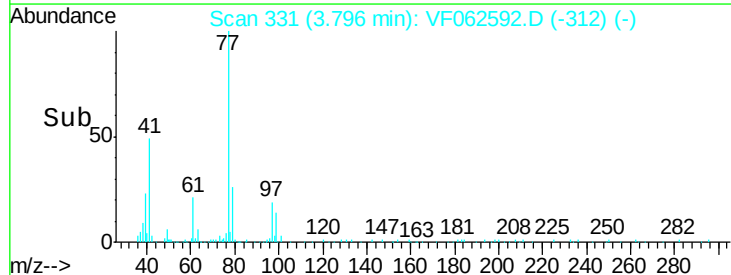
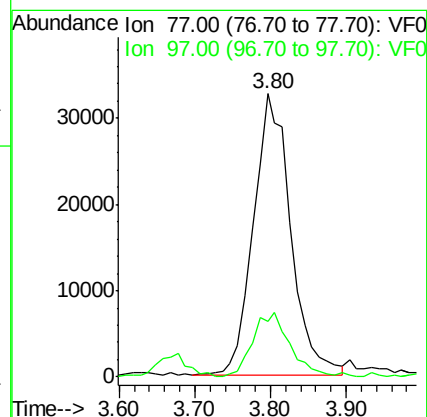
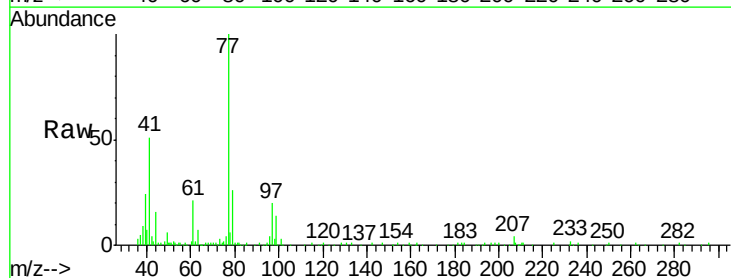
Acq: 14 May 2019 21:09

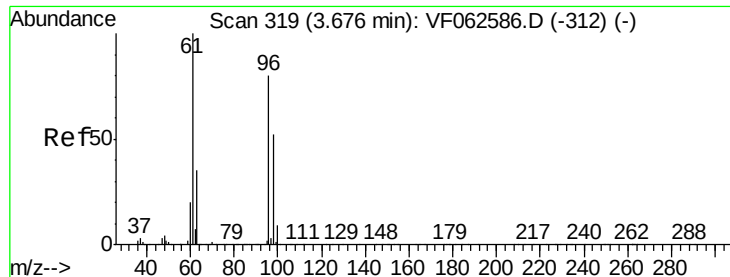
Tgt Ion: 77 Resp: 112832

Ion Ratio Lower Upper

77 100

97 19.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.800 ug/l

RT: 3.67 min Scan# 318

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

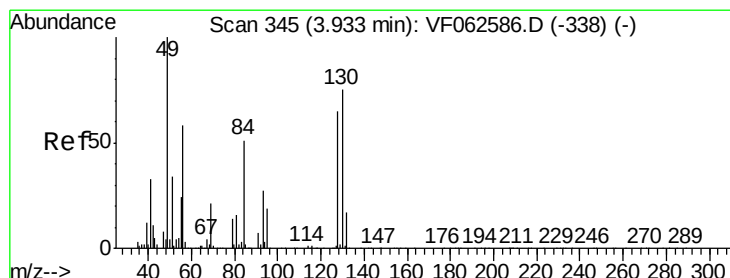
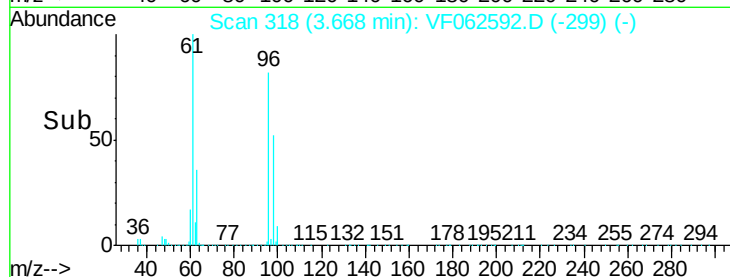
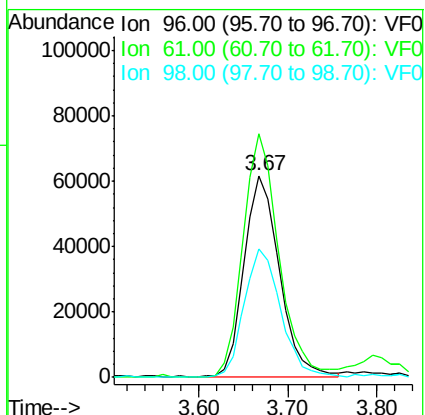
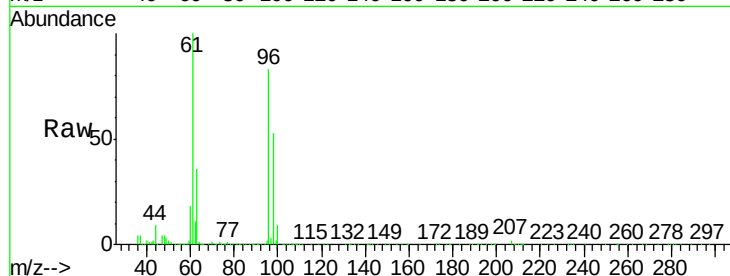
Tot Ion: 96 Resp: 168730

Ion Ratio Lower Upper

96 100

61 120.7 0.0 251.4

98 63.4 0.0 129.8



#28

Bromochloromethane

Concen: 20.956 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

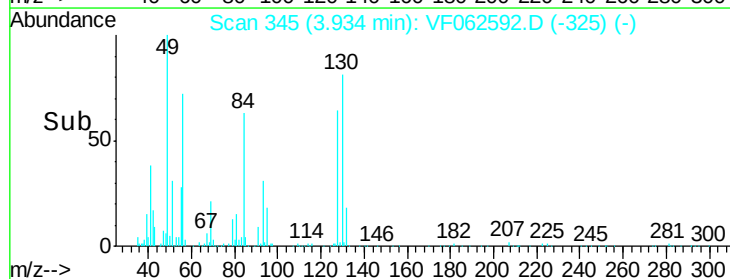
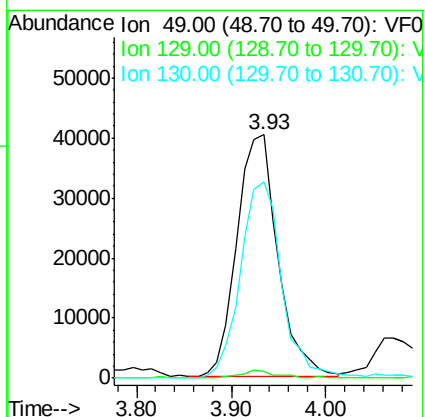
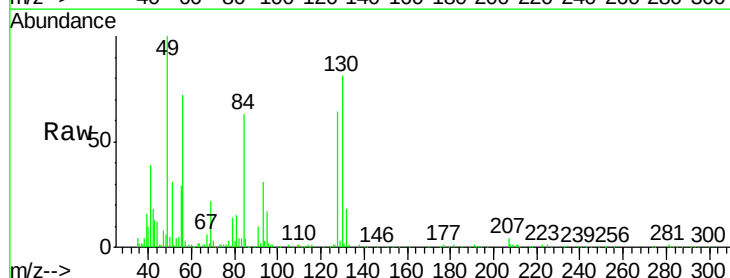
Tgt Ion: 49 Resp: 121549

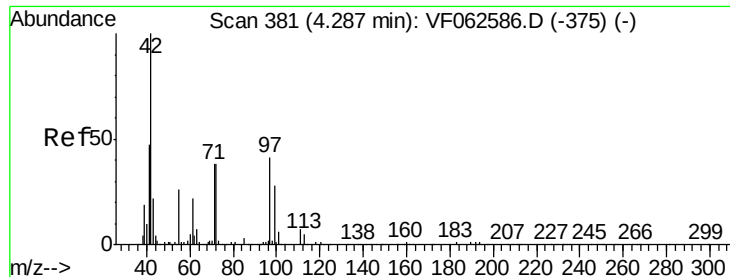
Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.0

130 80.6 59.7 89.5





#29

Tetrahydrofuran

Concen: 108.240 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

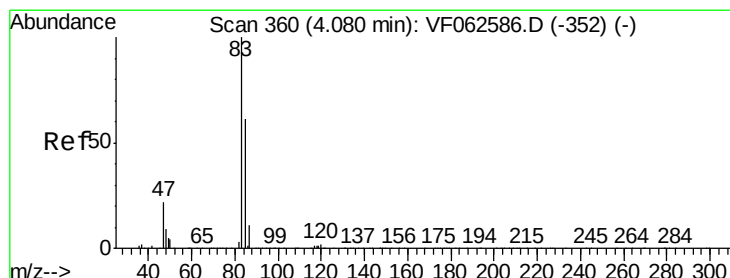
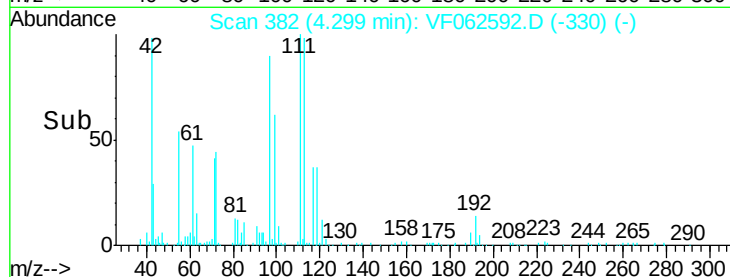
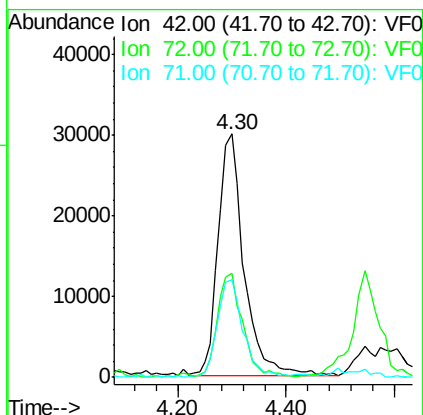
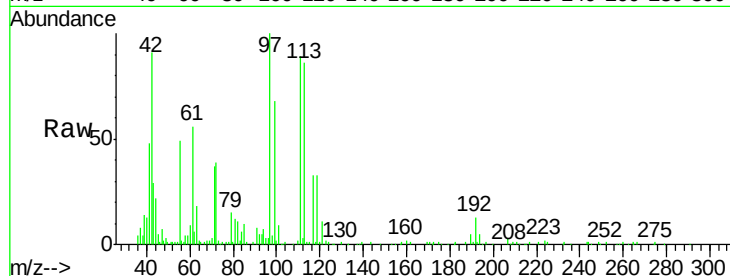
Tot Ion: 42 Resp: 99527

Ion Ratio Lower Upper

42 100

72 42.3 34.0 51.0

71 40.4 32.8 49.2



#30

Chloroform

Concen: 20.338 ug/l

RT: 4.07 min Scan# 359

Delta R.T. -0.01 min

Lab File: VF062592.D

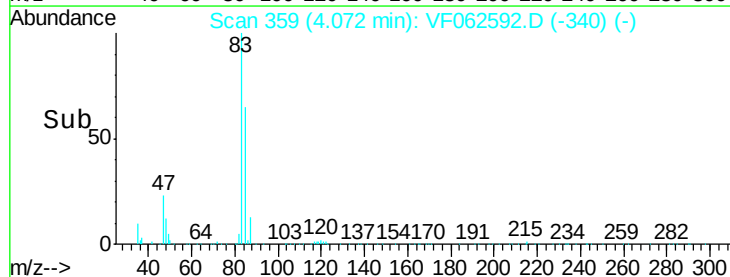
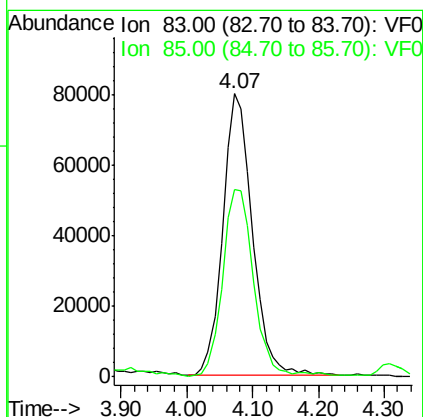
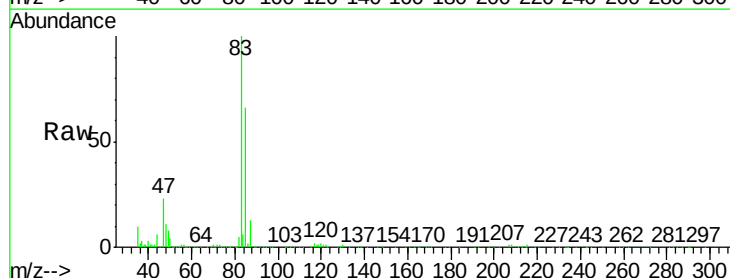
Acq: 14 May 2019 21:09

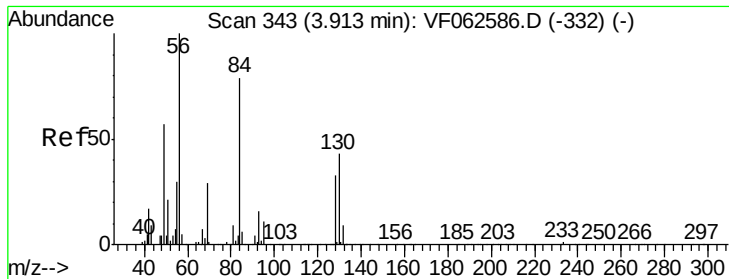
Tgt Ion: 83 Resp: 251814

Ion Ratio Lower Upper

83 100

85 66.0 48.7 73.1

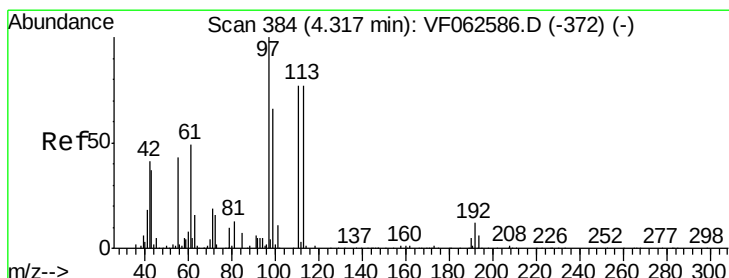
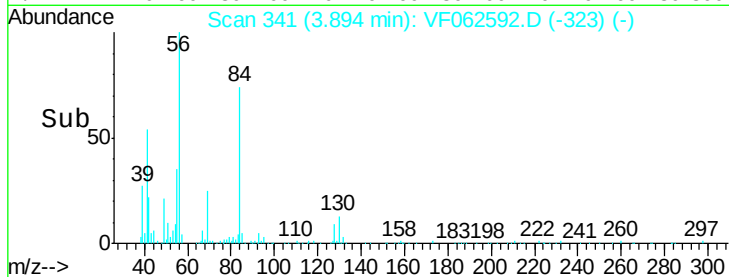
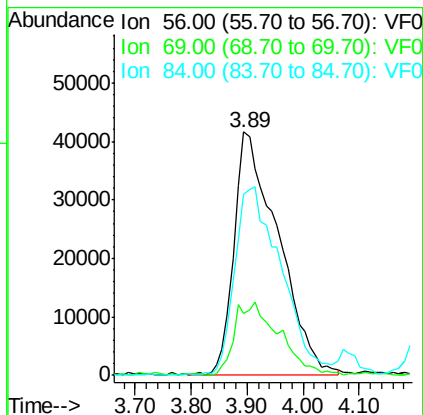
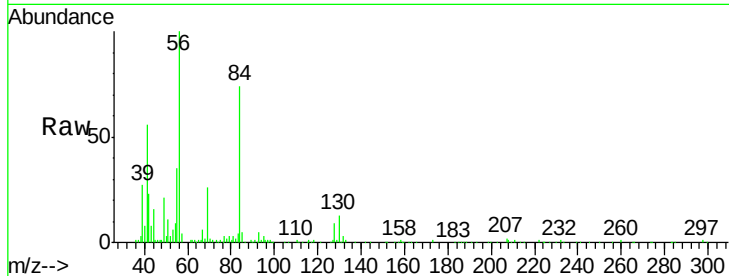




#31
Cyclohexane
Concen: 21.030 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

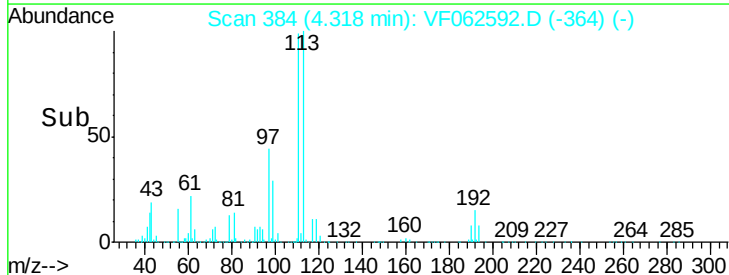
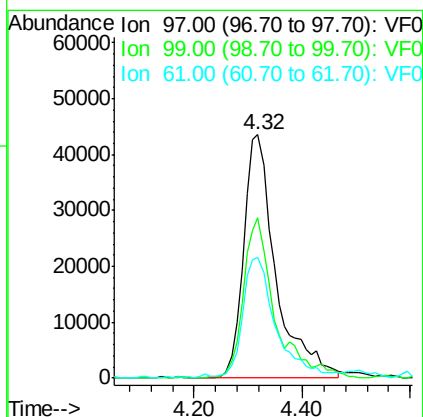
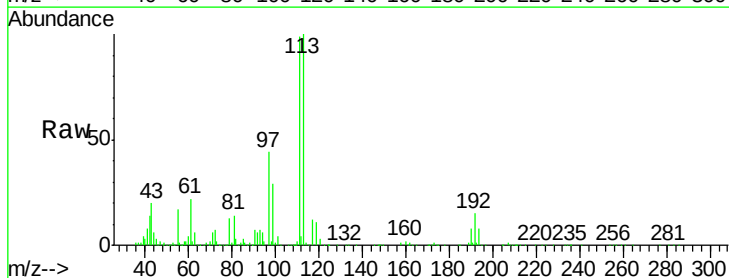
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

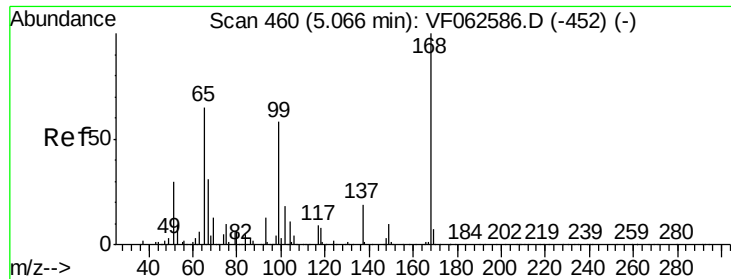
Tot Ion: 56 Resp: 226164
Ion Ratio Lower Upper
56 100
69 25.5 22.9 34.3
84 74.3 63.4 95.2



#32
1,1,1-Trichloroethane
Concen: 21.627 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion: 97 Resp: 180495
Ion Ratio Lower Upper
97 100
99 65.9 53.4 80.0
61 49.6 38.9 58.3

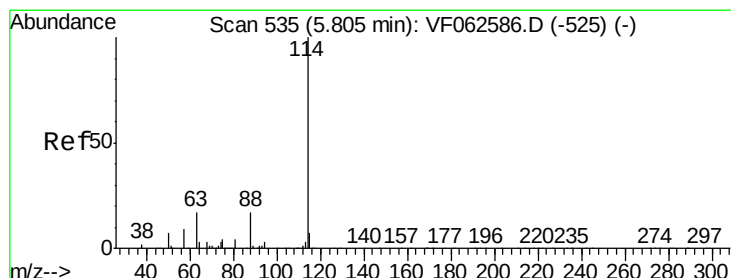
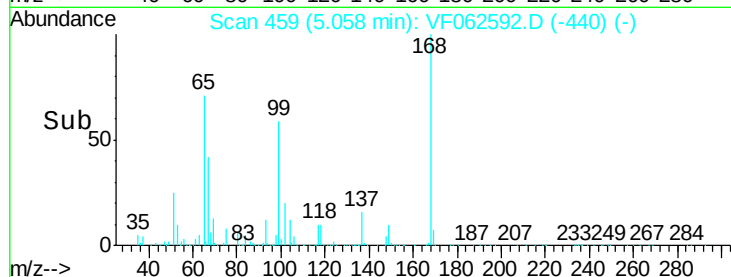
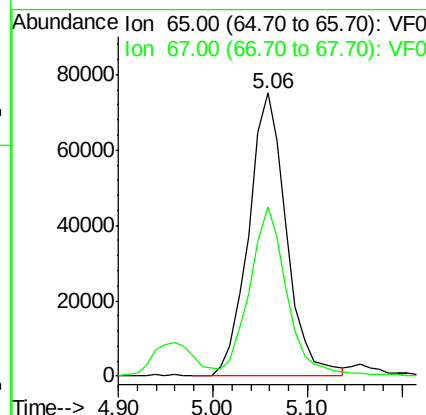
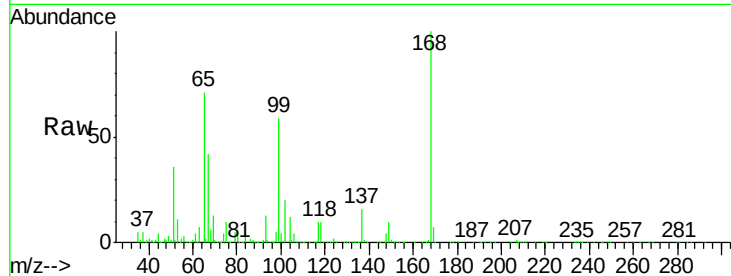




#33
 1,2-Dichloroethane-d4
 Concen: 43.402 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

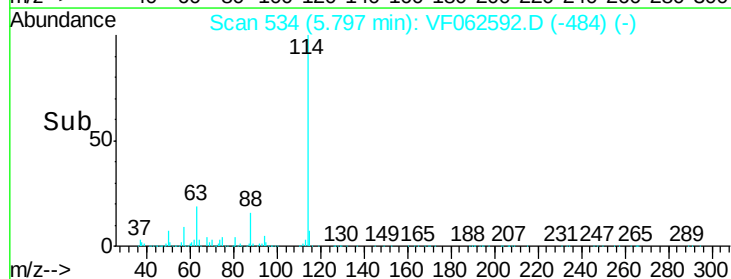
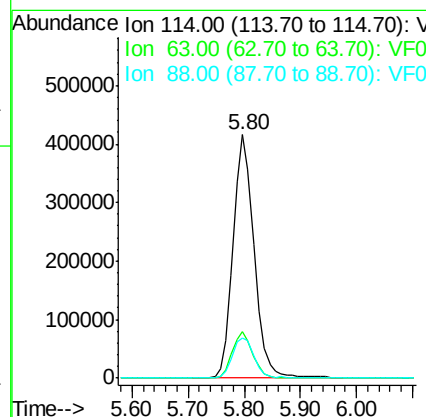
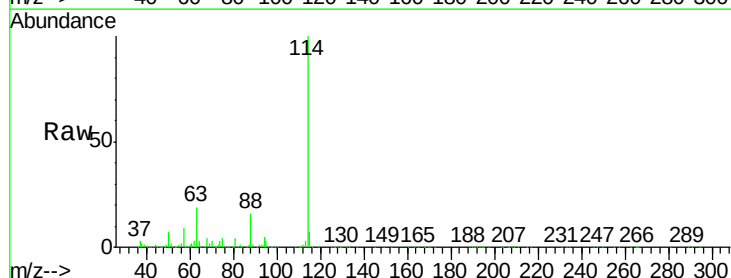
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

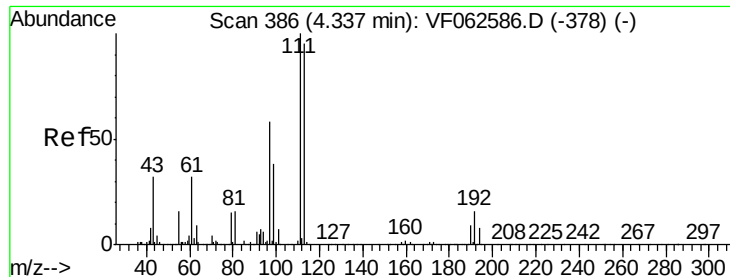
Tot Ion: 65 Resp: 205578
 Ion Ratio Lower Upper
 65 100
 67 60.0 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Tgt Ion: 114 Resp: 1085098
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 34.6
 88 16.5 0.0 33.6

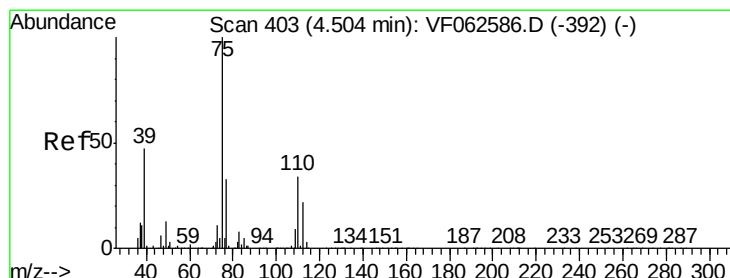
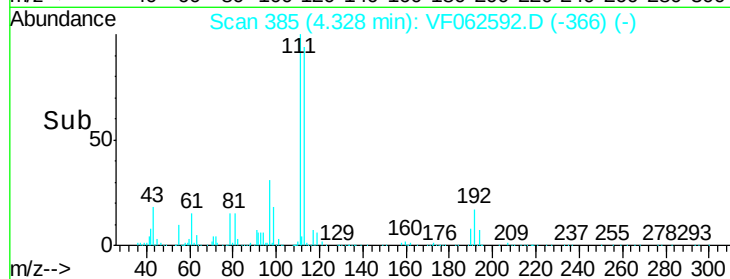
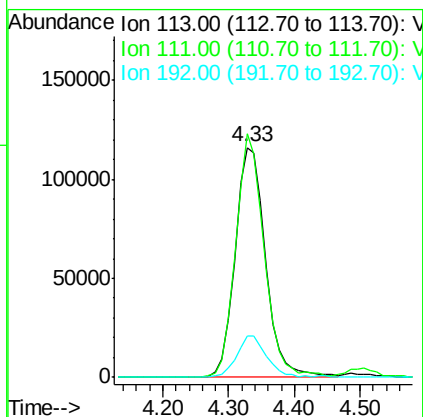
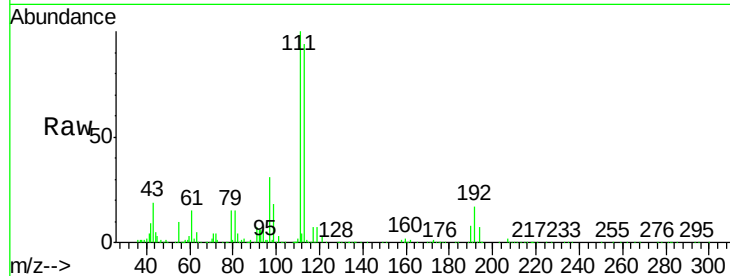




#35
 Dibromofluoromethane
 Concen: 46.608 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

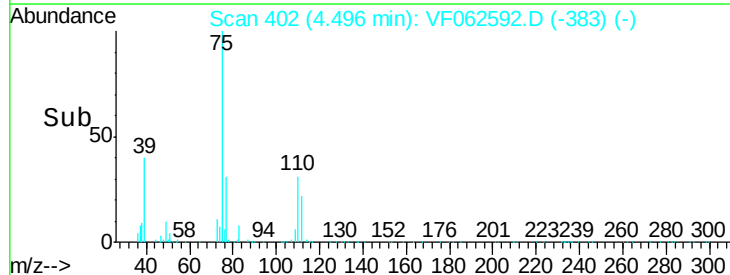
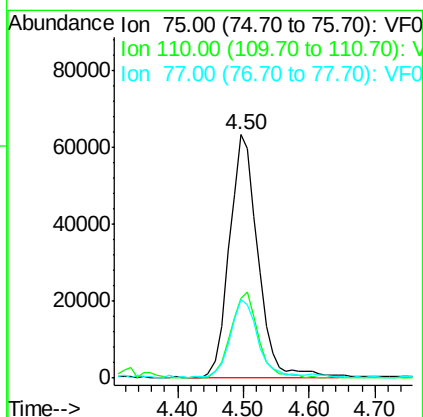
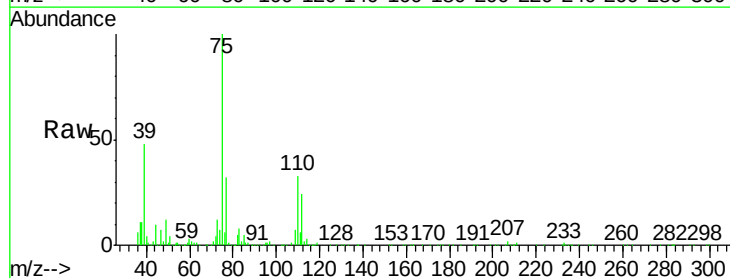
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

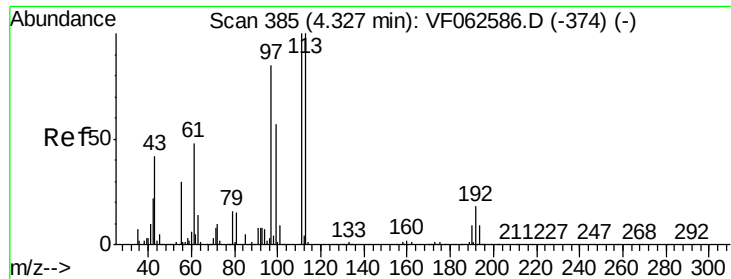
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.9	125.9
192	17.9	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 20.463 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.3	51.7
77	32.0	26.4	39.6

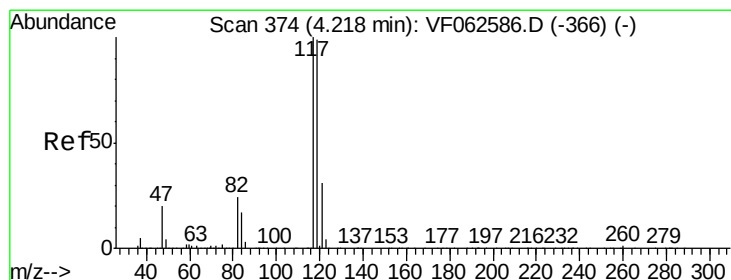
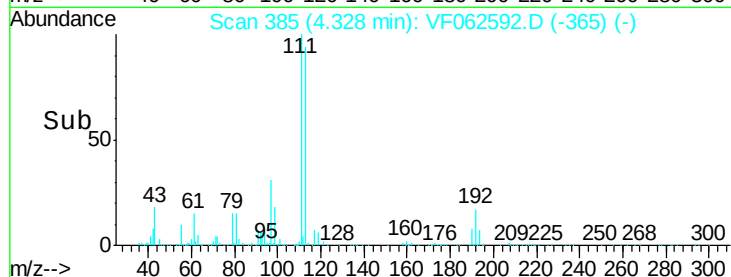
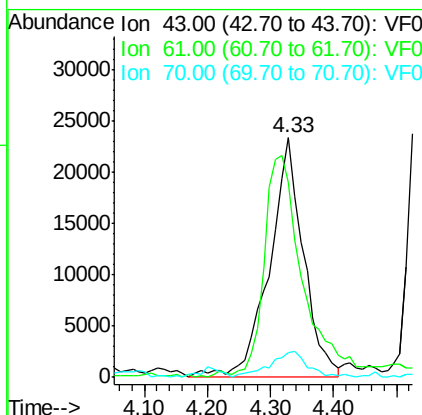
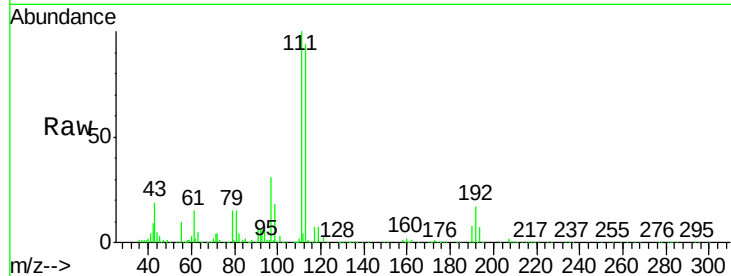




#37
Ethyl Acetate
Concen: 22.614 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

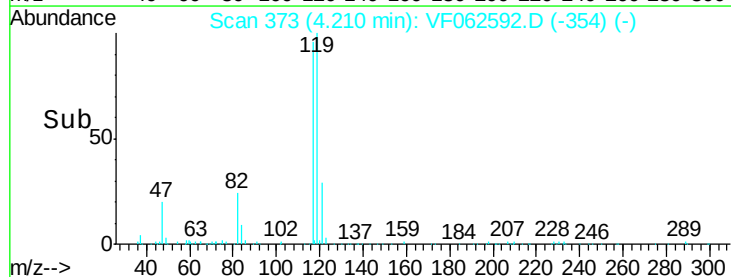
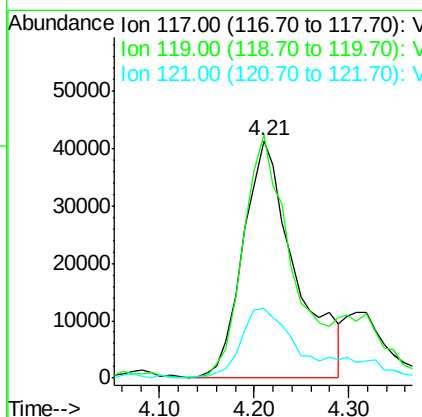
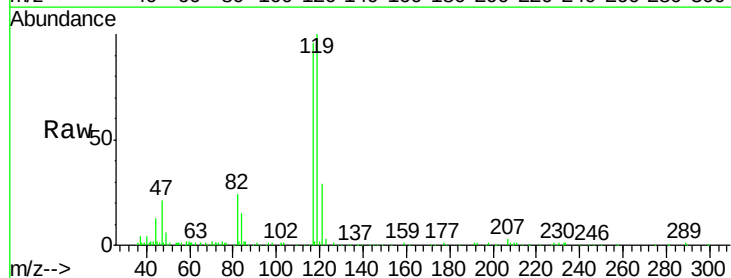
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

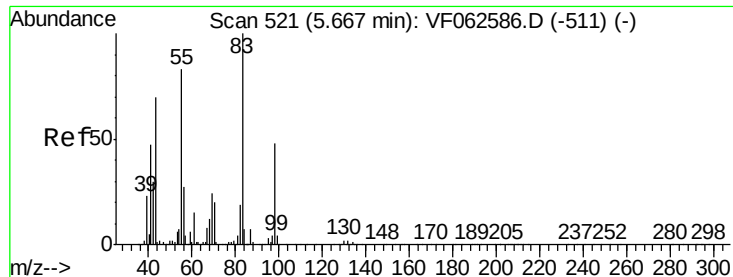
Tot Ion	43	Resp	87253
Ion Ratio	Lower	Upper	
43	100		
61	81.2	88.6	132.8#
70	10.2	8.3	12.5



#38
Carbon Tetrachloride
Concen: 20.380 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion	117	Resp	156973
Ion Ratio	Lower	Upper	
117	100		
119	102.4	79.0	118.6
121	29.3	25.0	37.6

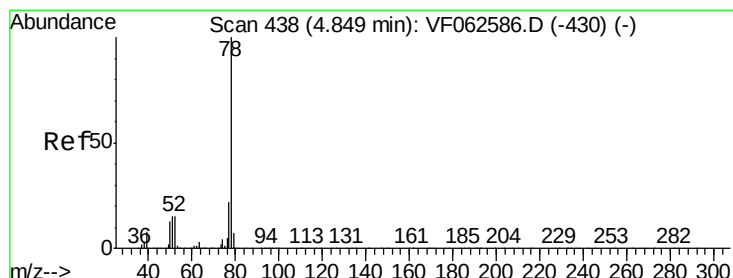
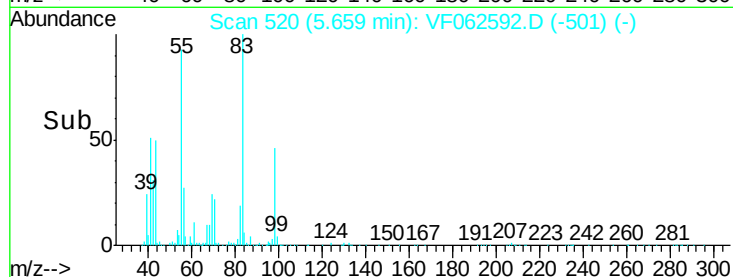
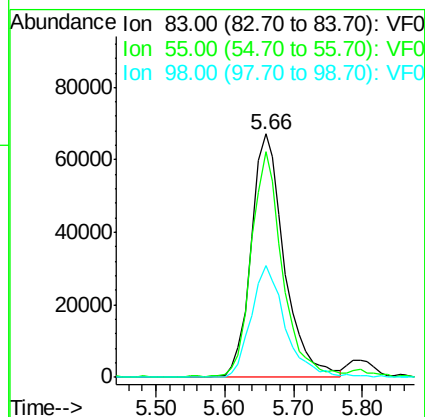
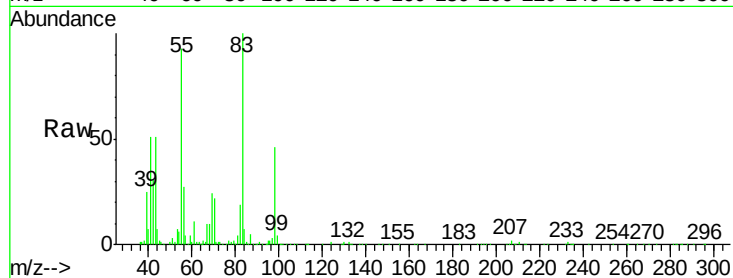




#39
Methylvlcyclohexane
Concen: 20.504 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

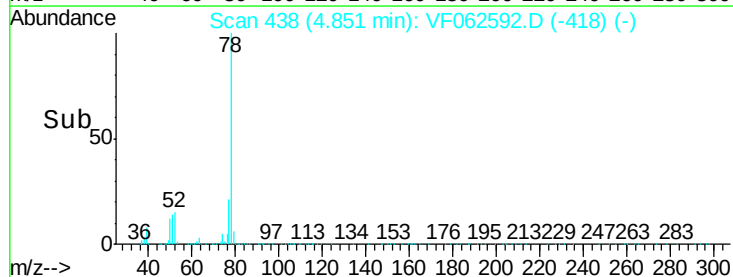
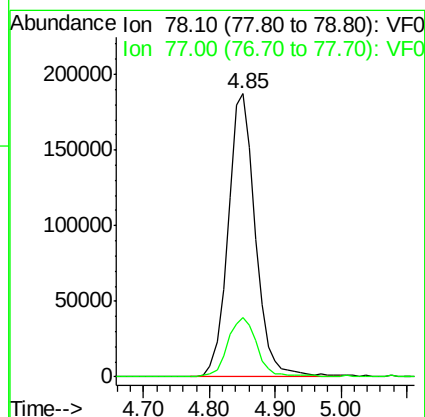
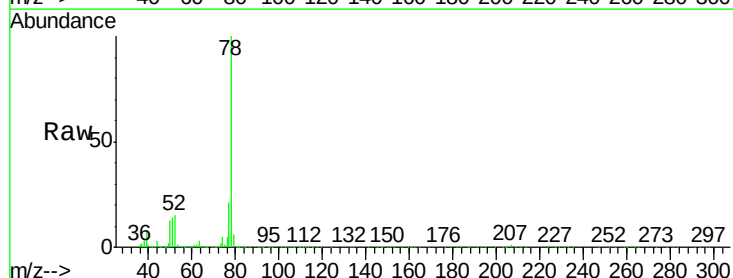
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

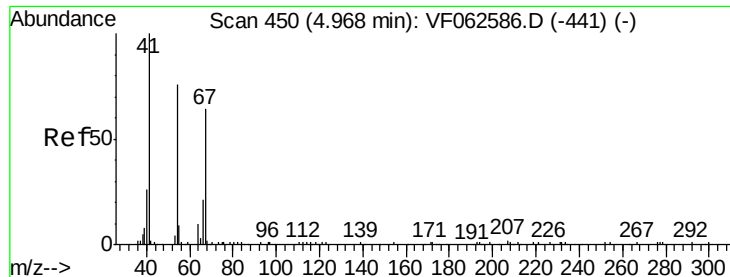
Tot Ion: 83 Resp: 225411
Ion Ratio Lower Upper
83 100
55 93.0 66.6 100.0
98 45.9 38.3 57.5



#40
Benzene
Concen: 20.319 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion: 78 Resp: 542768
Ion Ratio Lower Upper
78 100
77 20.8 17.7 26.5





#41

Methacrylonitrile

Concen: 20.206 ug/l

RT: 4.96 min Scan# 449

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBSD01

Tot Ion: 41 Resp: 44149

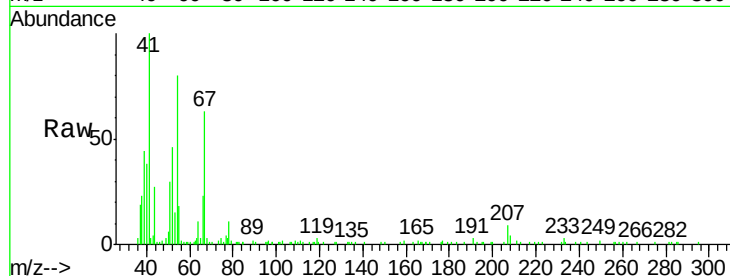
Ion Ratio Lower Upper

41 100

39 44.3 40.8 61.2

67 63.3 50.2 75.2

52 46.3 36.8 55.2

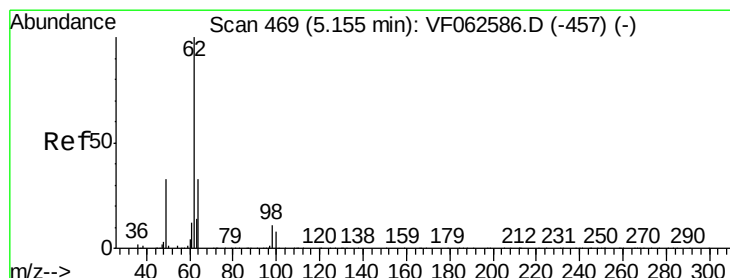
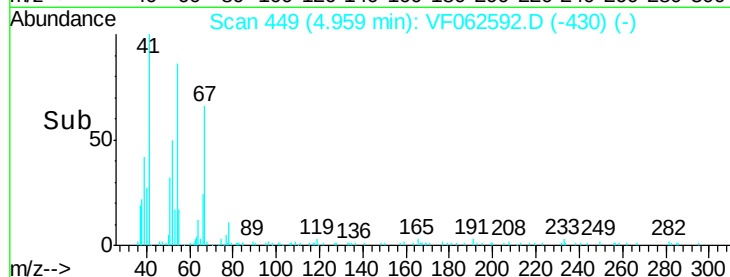
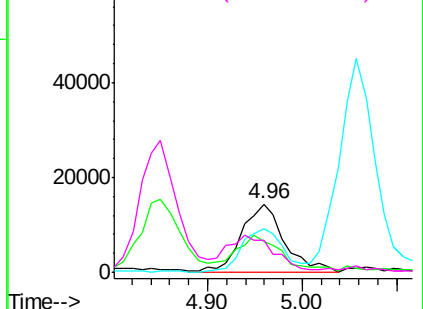


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 18.633 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.00 min

Lab File: VF062592.D

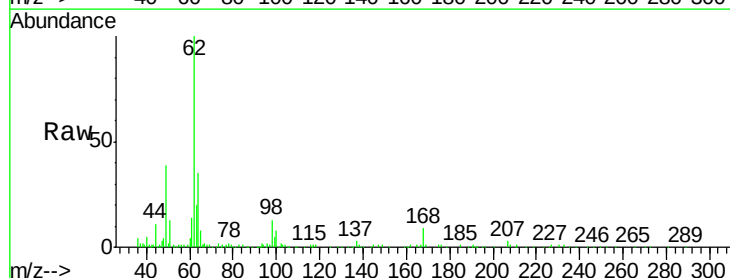
Acq: 14 May 2019 21:09

Tgt Ion: 62 Resp: 105618

Ion Ratio Lower Upper

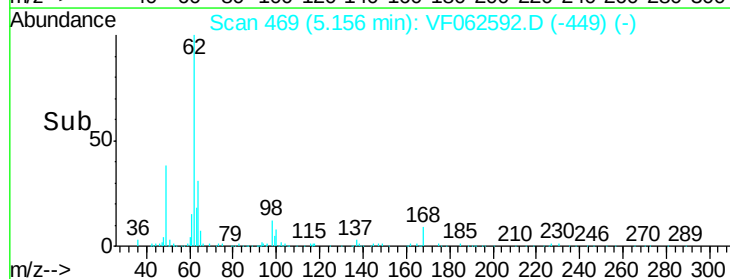
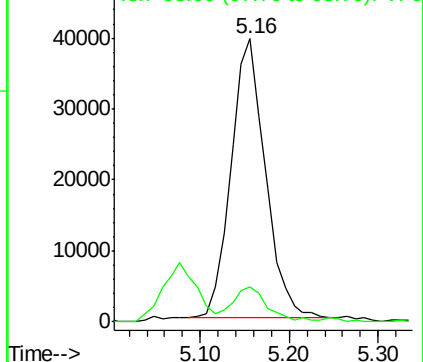
62 100

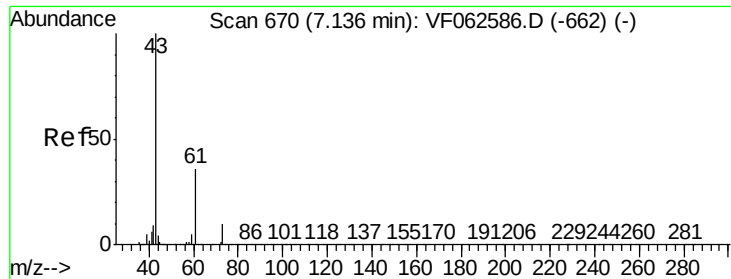
98 12.5 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.198 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

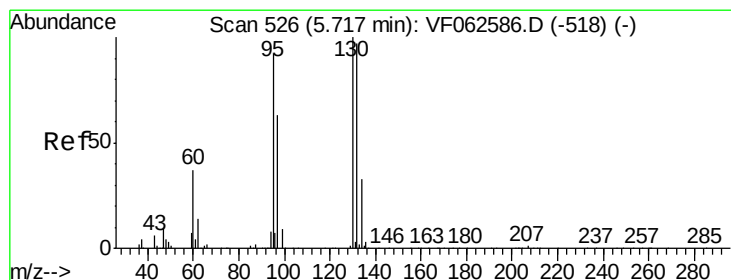
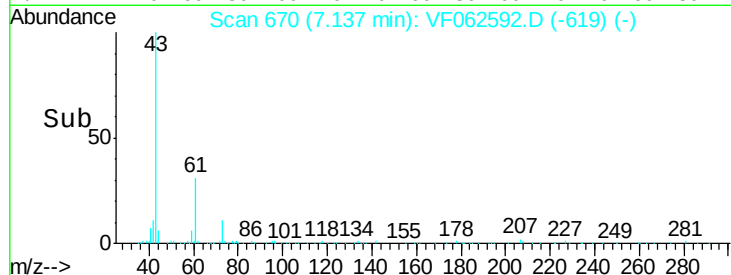
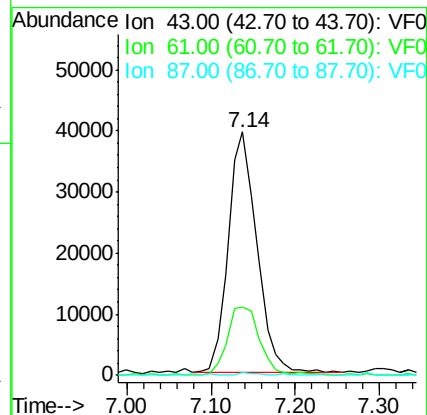
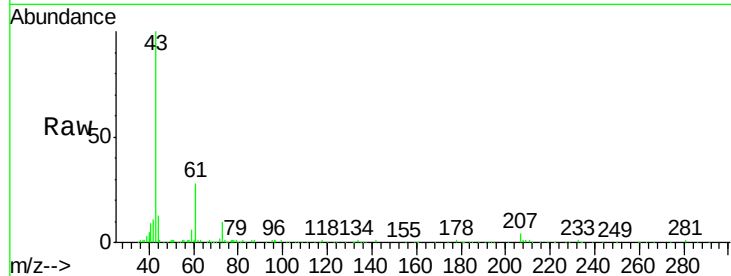
Tot Ion: 43 Resp: 92219

Ion Ratio Lower Upper

43 100

61 28.1 28.5 42.7#

87 1.0 0.4 0.6#



#44

Trichloroethene

Concen: 19.936 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.01 min

Lab File: VF062592.D

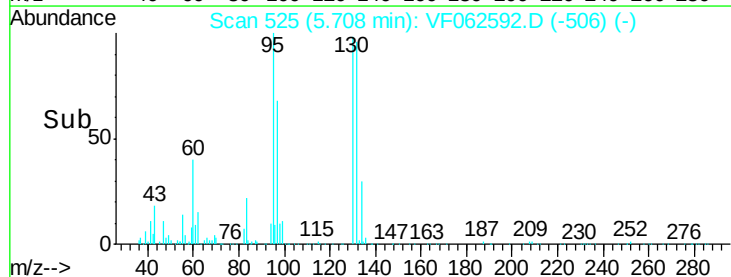
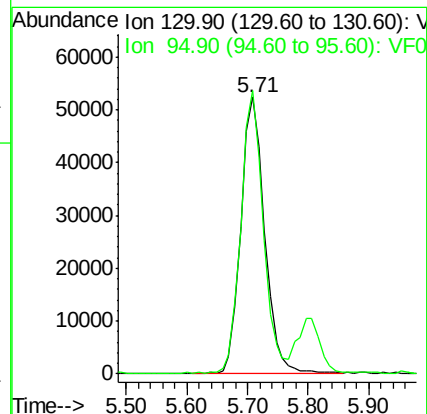
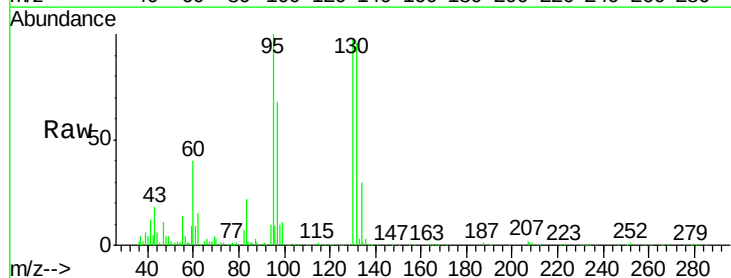
Acq: 14 May 2019 21:09

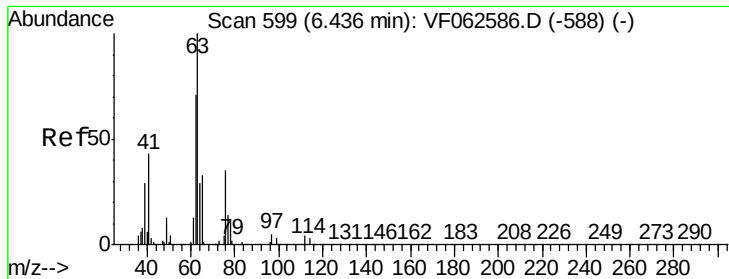
Tgt Ion: 130 Resp: 143818

Ion Ratio Lower Upper

130 100

95 102.4 0.0 185.0





#45

1,2-Dichloropropane

Concen: 20.145 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

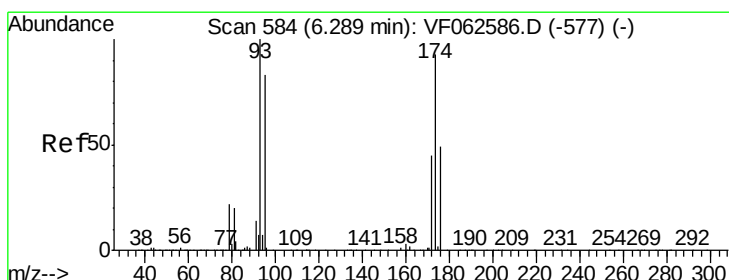
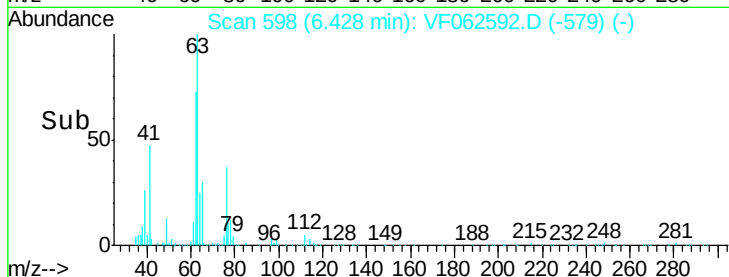
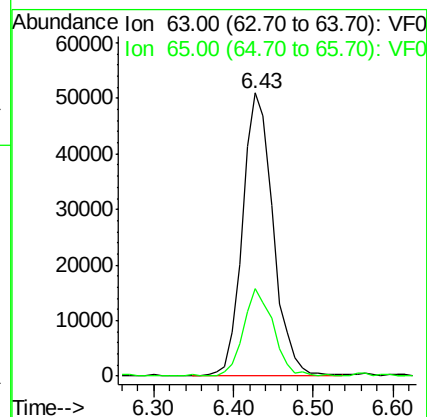
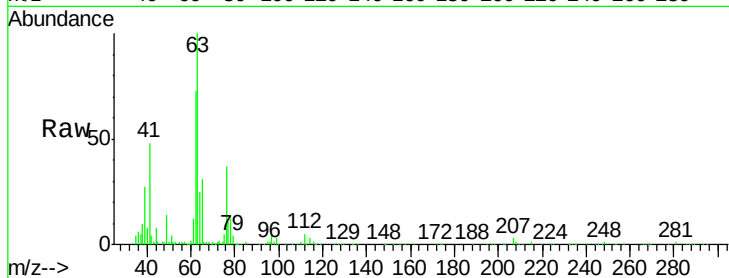
VF0514SBS01

Tot Ion: 63 Resp: 135445

Ion Ratio Lower Upper

63 100

65 30.8 26.2 39.4



#46

Dibromomethane

Concen: 20.022 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

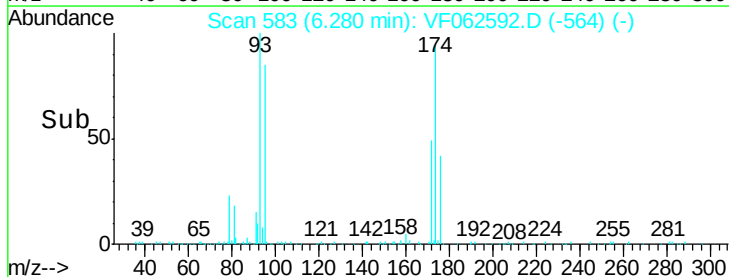
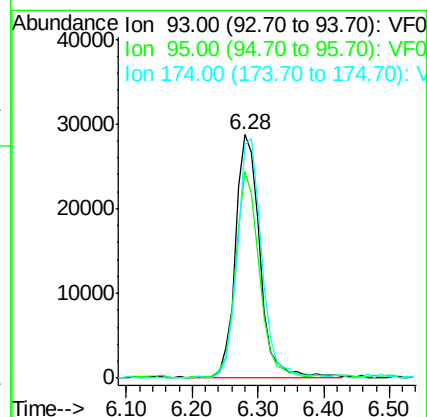
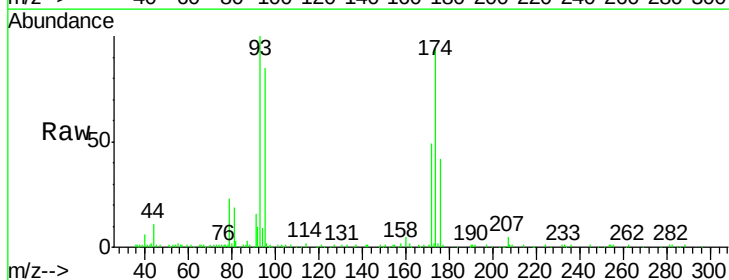
Tgt Ion: 93 Resp: 75265

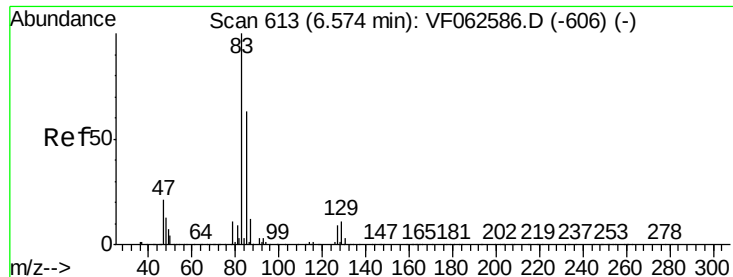
Ion Ratio Lower Upper

93 100

95 84.6 66.9 100.3

174 95.9 74.6 112.0





#47

Bromodichloromethane

Concen: 19.817 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

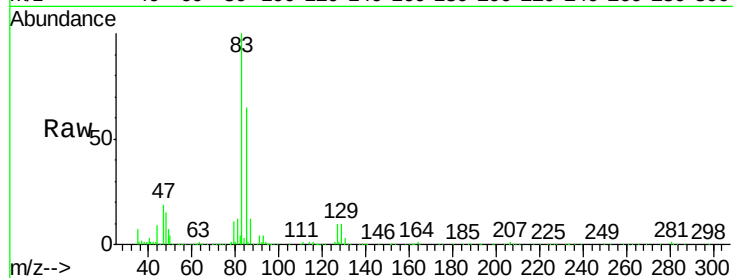
Tot Ion: 83 Resp: 160142

Ion Ratio Lower Upper

83 100

85 65.1 50.3 75.5

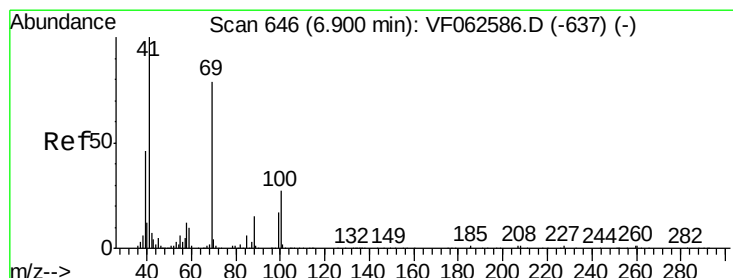
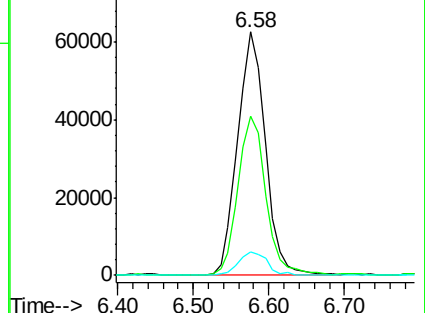
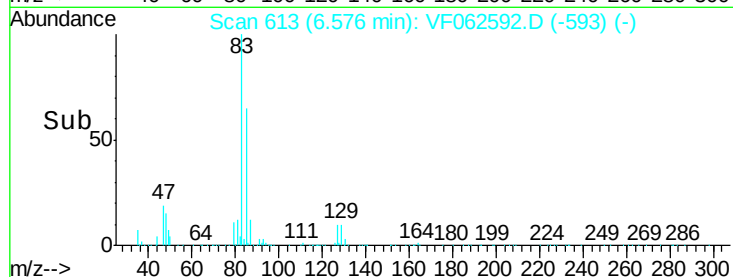
127 9.8 7.2 10.8



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: 20.000 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

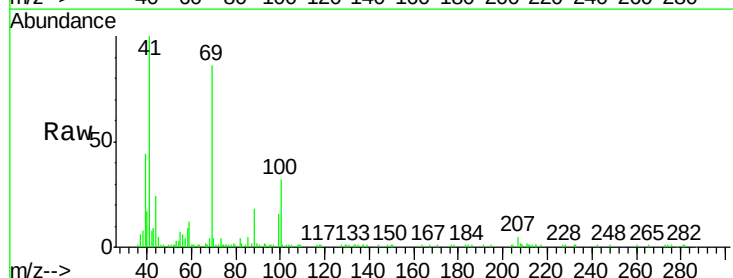
Tgt Ion: 41 Resp: 49984

Ion Ratio Lower Upper

41 100

69 86.0 63.0 94.6

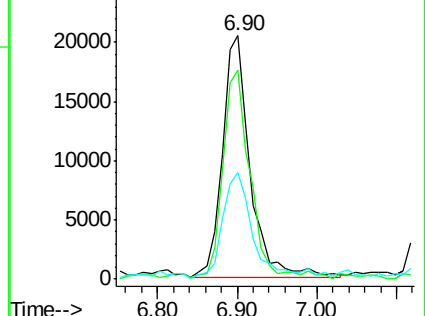
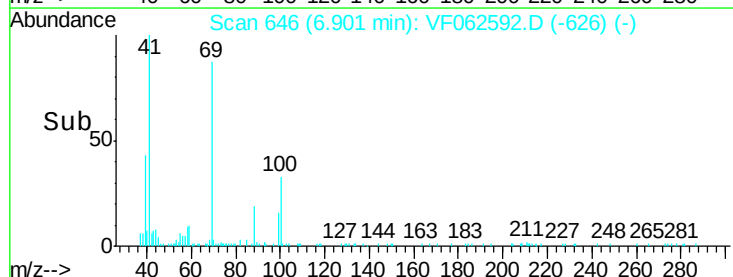
39 43.8 37.6 56.4

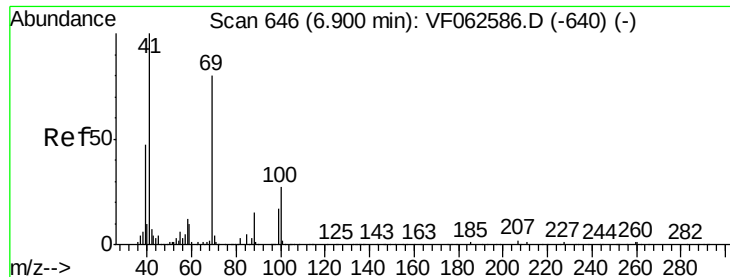


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 316.575 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

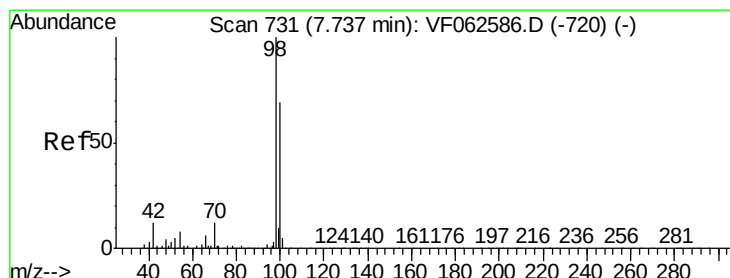
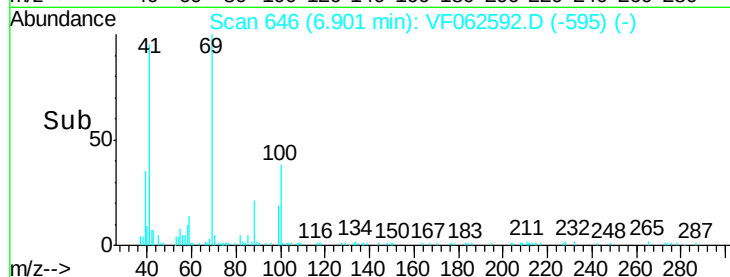
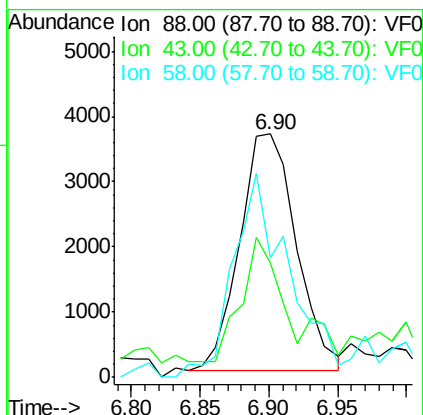
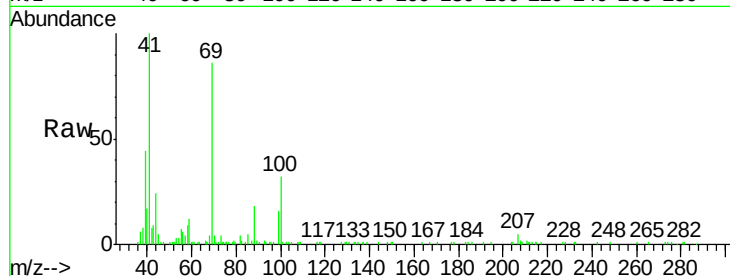
Tot Ion: 88 Resp: 10426

Ion Ratio Lower Upper

88 100

43 47.1 28.8 43.2#

58 49.0 60.6 90.8#



#50

Toluene-d8

Concen: 45.118 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062592.D

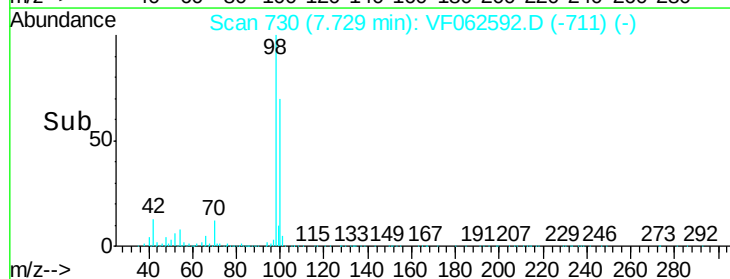
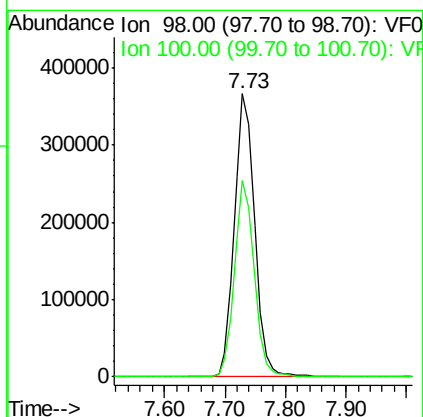
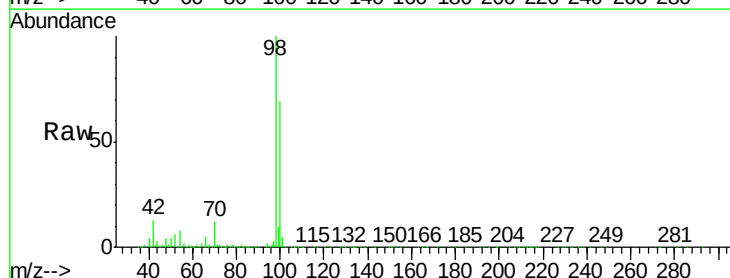
Acq: 14 May 2019 21:09

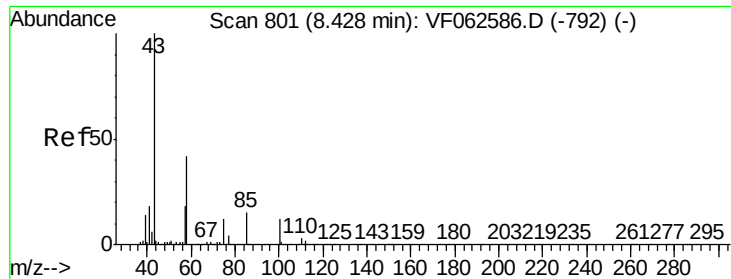
Tgt Ion: 98 Resp: 858622

Ion Ratio Lower Upper

98 100

100 69.5 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 101.976 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

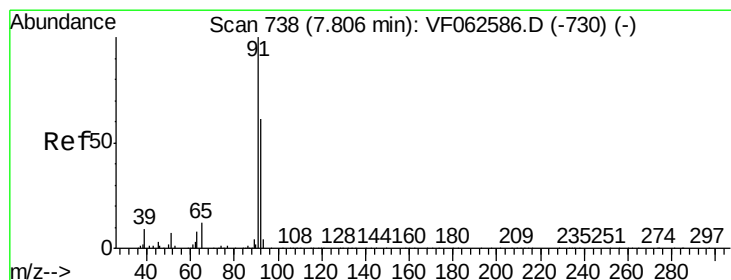
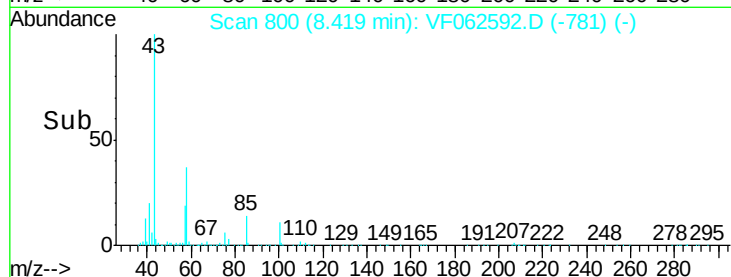
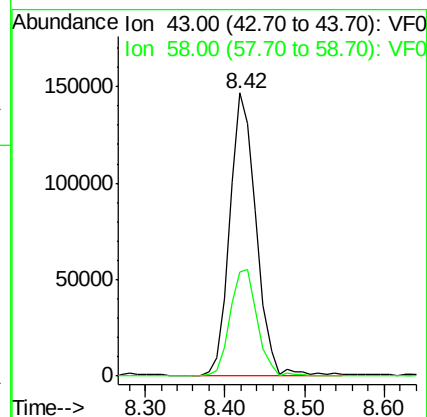
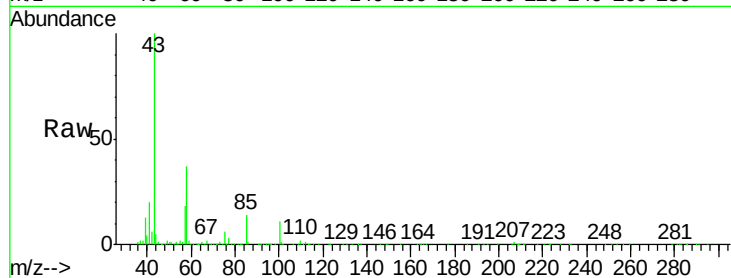
VF0514SBS01

Tot Ion: 43 Resp: 341163

Ion Ratio Lower Upper

43 100

58 37.0 33.6 50.4



#52

Toluene

Concen: 19.004 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062592.D

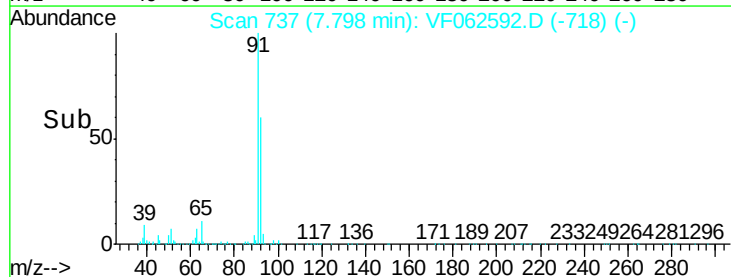
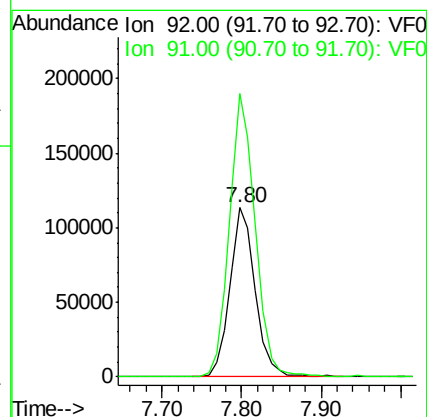
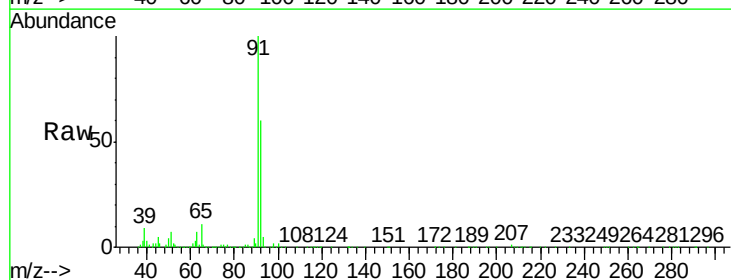
Acq: 14 May 2019 21:09

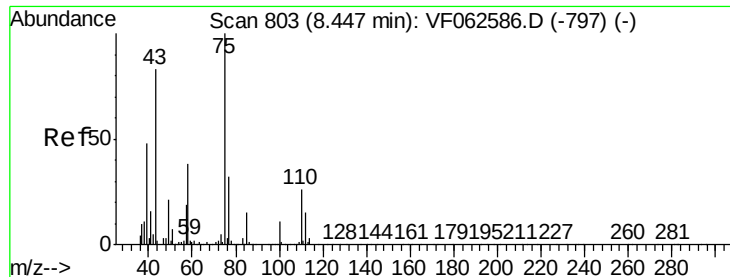
Tgt Ion: 92 Resp: 254821

Ion Ratio Lower Upper

92 100

91 167.5 131.0 196.4





#53

t-1,3-Dichloropropene

Concen: 17.831 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

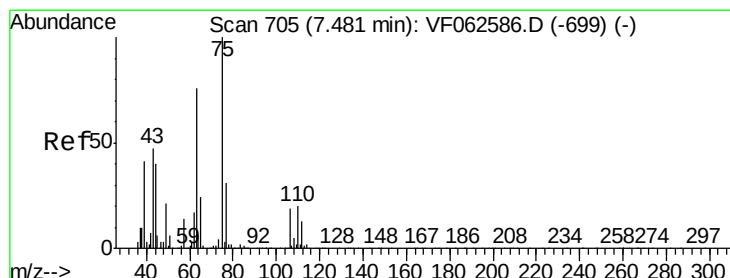
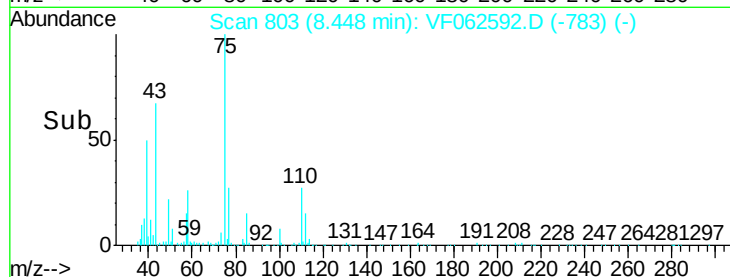
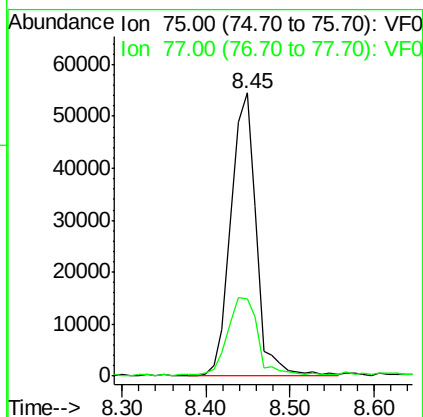
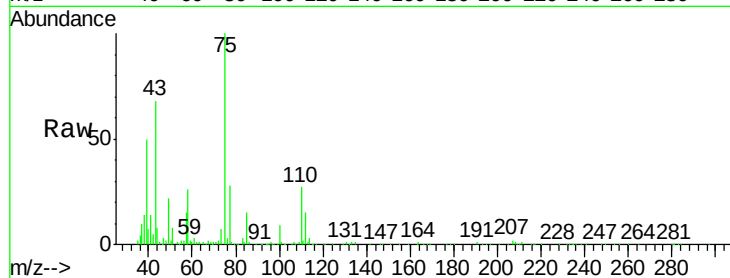
VF0514SBSD01

Tot Ion: 75 Resp: 113835

Ion Ratio Lower Upper

75 100

77 27.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 18.689 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

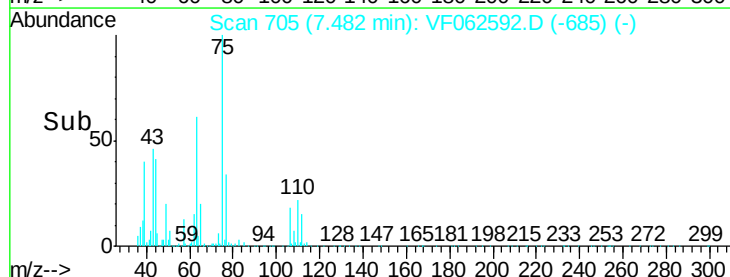
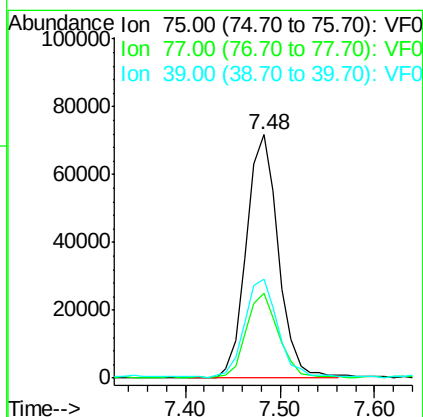
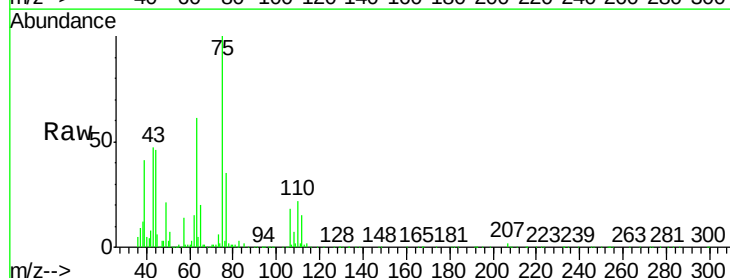
Tgt Ion: 75 Resp: 168610

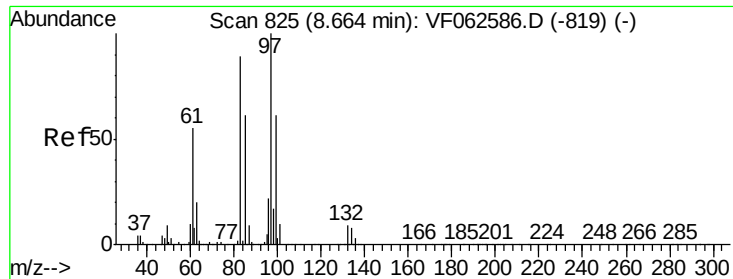
Ion Ratio Lower Upper

75 100

77 34.8 25.0 37.6

39 40.8 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 19.606 ug/l

RT: 8.66 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

Tot Ion: 97 Resp: 78716

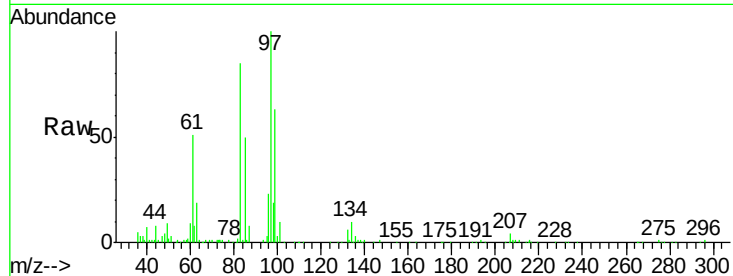
Ion Ratio Lower Upper

97 100

83 84.9 71.3 106.9

85 49.8 48.9 73.3

99 62.8 48.4 72.6

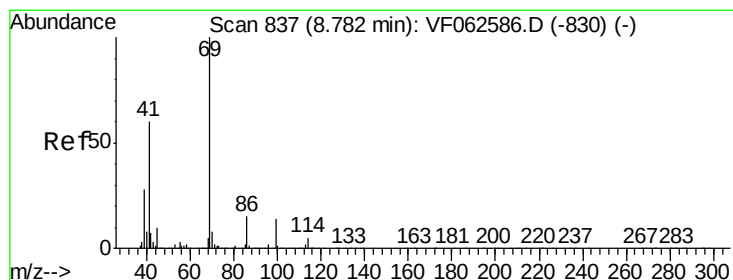
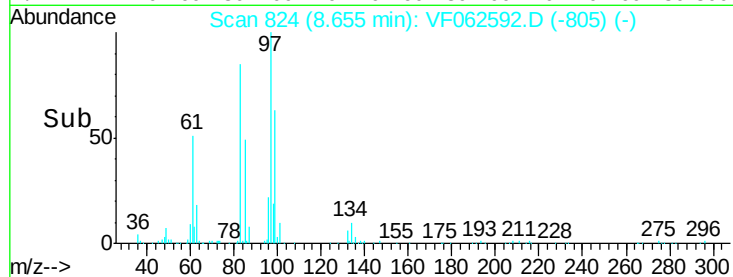
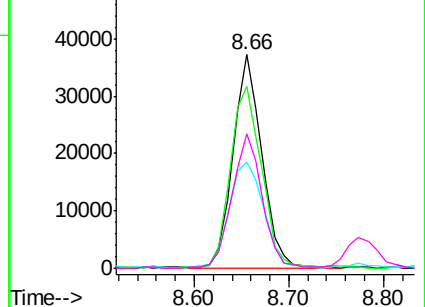


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.856 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

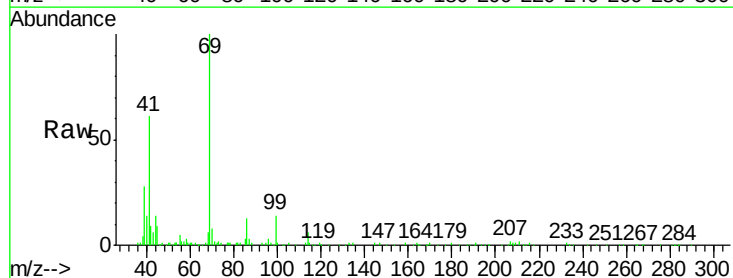
Tgt Ion: 69 Resp: 82972

Ion Ratio Lower Upper

69 100

41 61.0 48.1 72.1

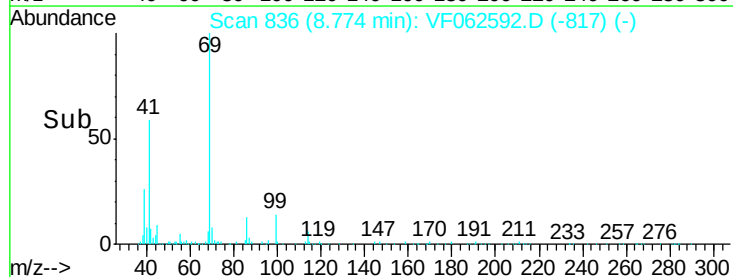
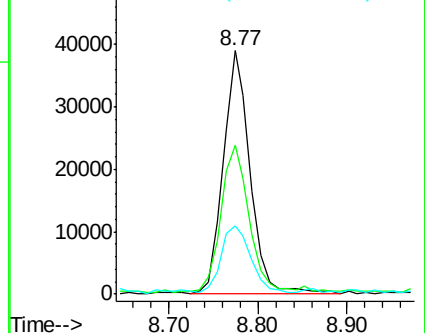
39 28.0 22.5 33.7

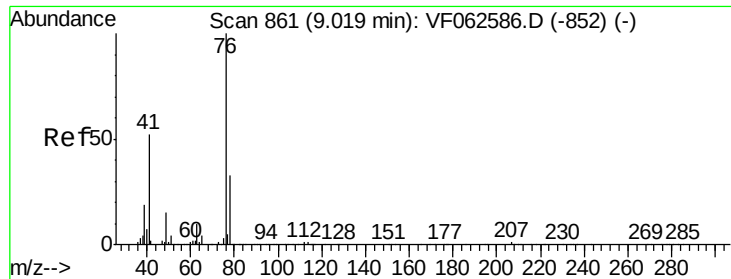


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.124 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

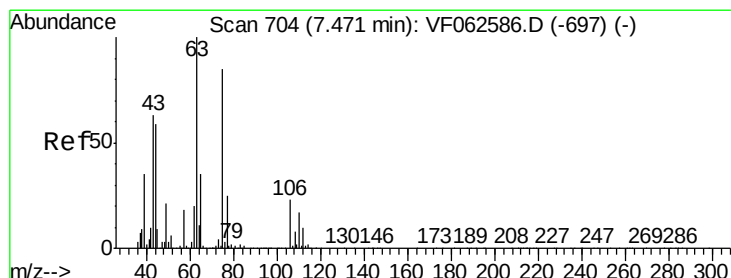
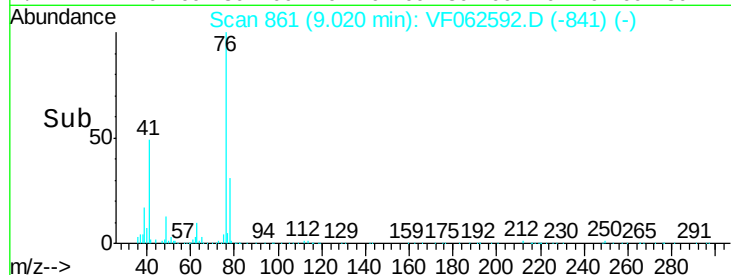
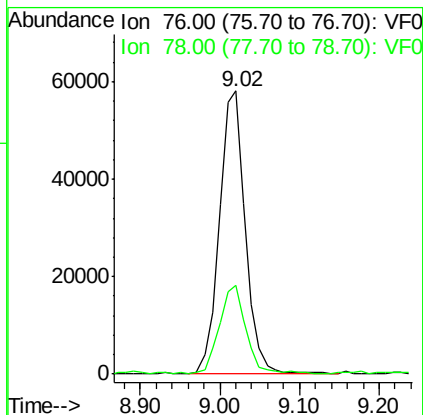
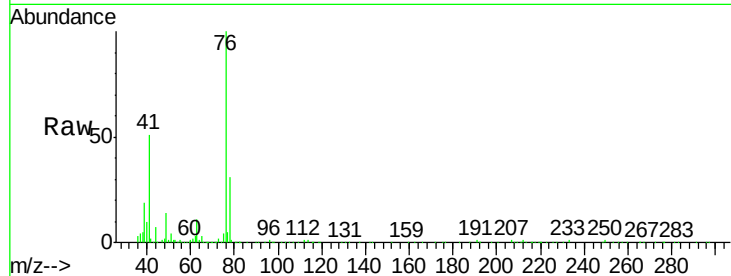
VF0514SBS01

Tot Ion: 76 Resp: 133349

Ion Ratio Lower Upper

76 100

78 31.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 105.987 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062592.D

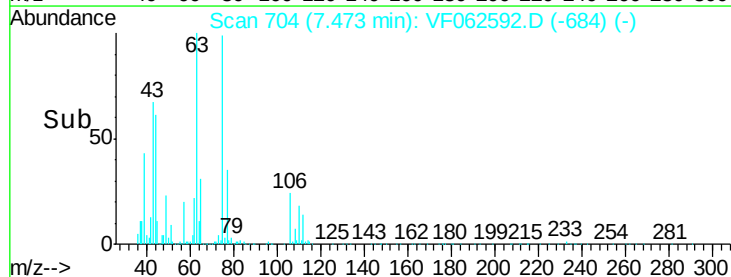
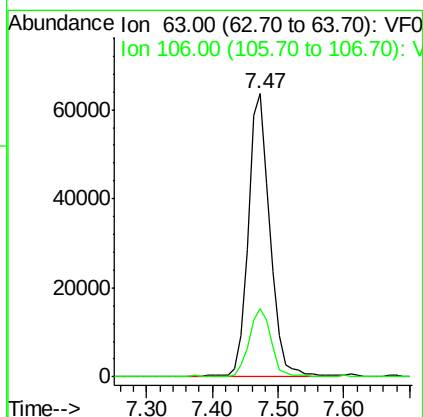
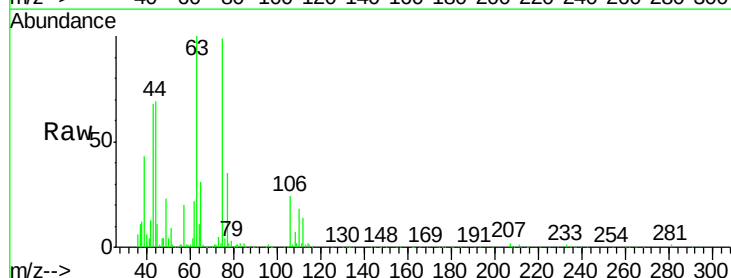
Acq: 14 May 2019 21:09

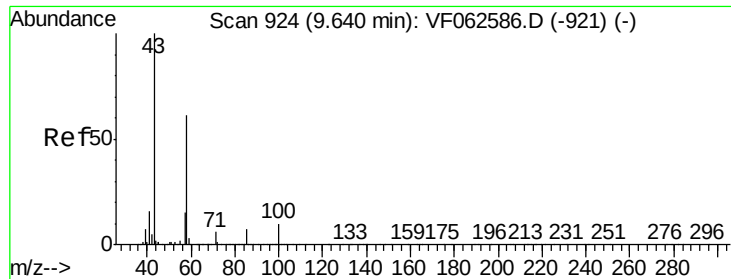
Tgt Ion: 63 Resp: 145922

Ion Ratio Lower Upper

63 100

106 24.3 18.0 27.0

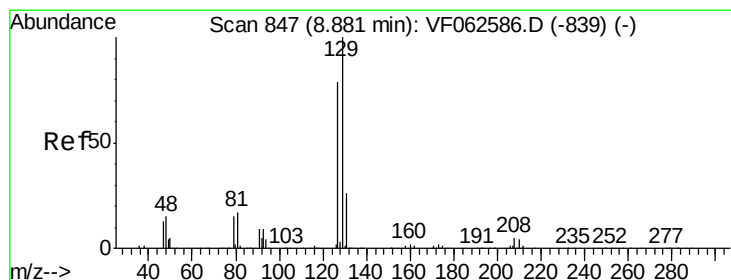
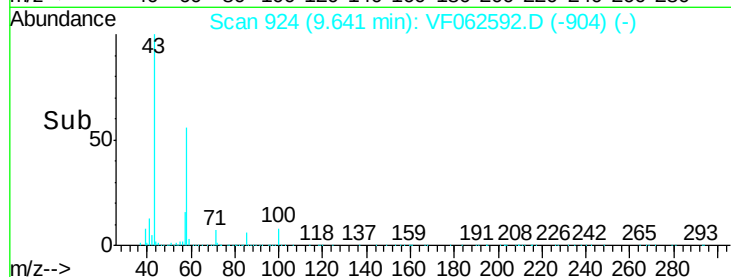
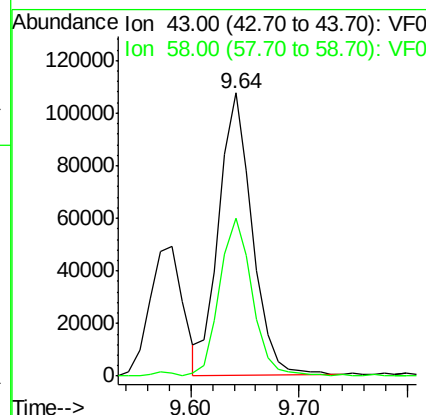
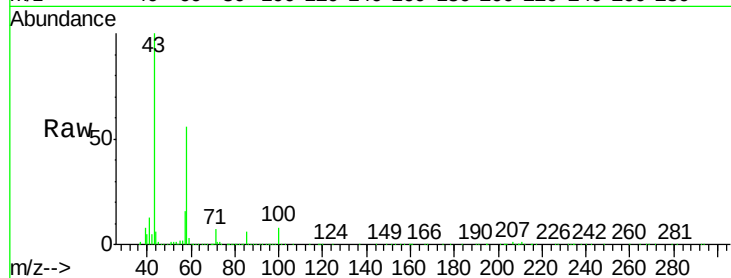




#59
2-Hexanone
Concen: 103.530 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

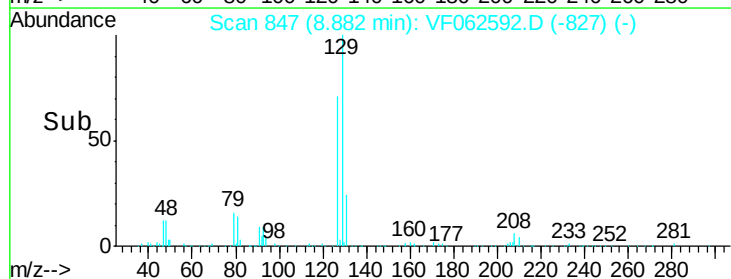
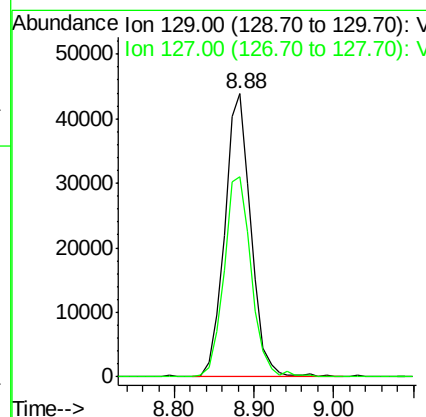
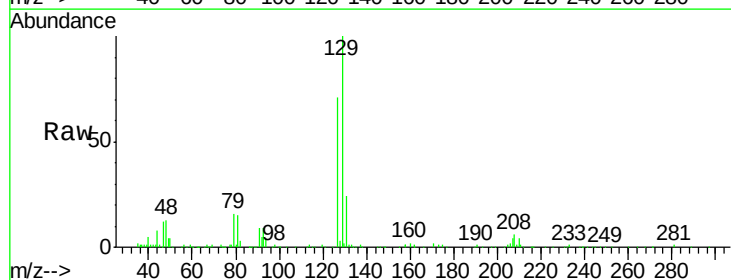
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBSD01

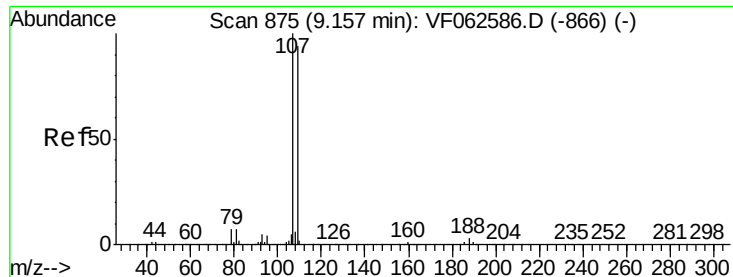
Tot Ion: 43 Resp: 228752
Ion Ratio Lower Upper
43 100
58 55.9 28.7 86.3



#60
Dibromochloromethane
Concen: 19.927 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion: 129 Resp: 101646
Ion Ratio Lower Upper
129 100
127 70.9 39.3 117.9





#61

1,2-Dibromoethane

Concen: 20.240 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

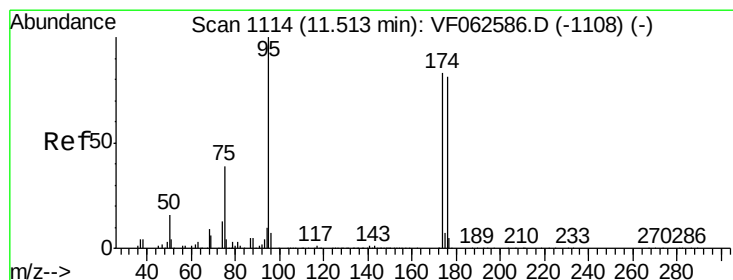
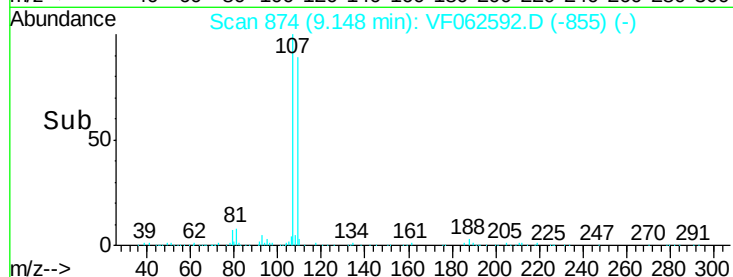
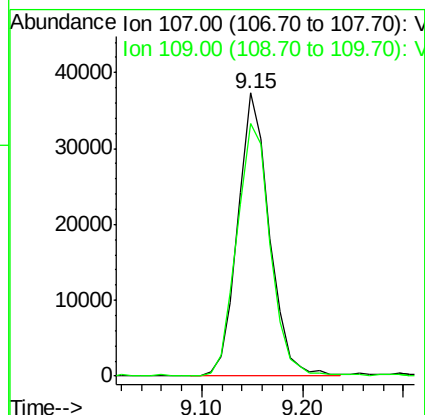
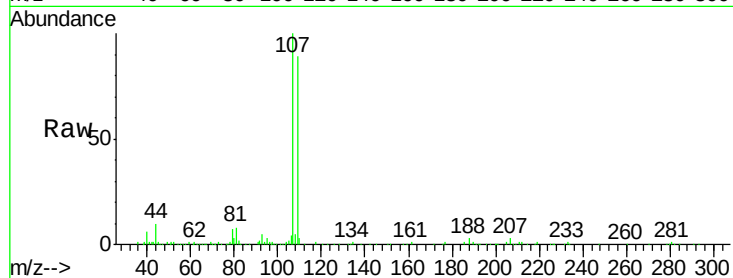
VF0514SBSD01

Tot Ion:107 Resp: 81498

Ion Ratio Lower Upper

107 100

109 89.3 74.9 112.3



#62

4-Bromofluorobenzene

Concen: 43.562 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

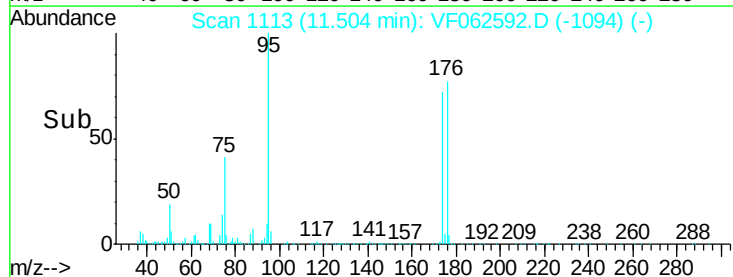
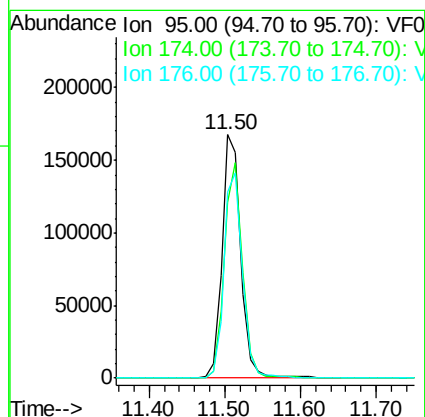
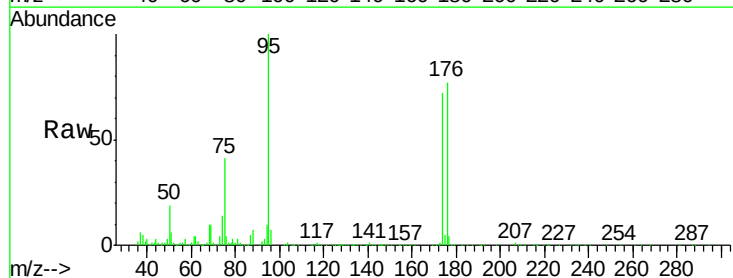
Tgt Ion: 95 Resp: 289526

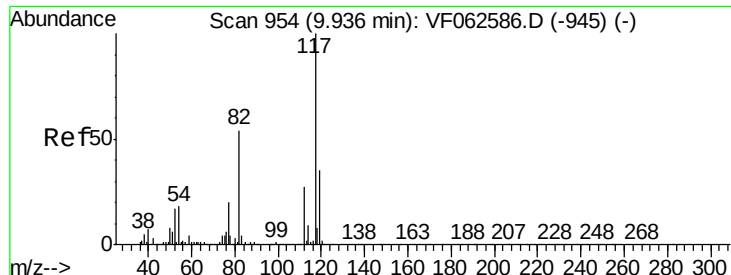
Ion Ratio Lower Upper

95 100

174 72.4 0.0 166.6

176 76.5 0.0 161.8

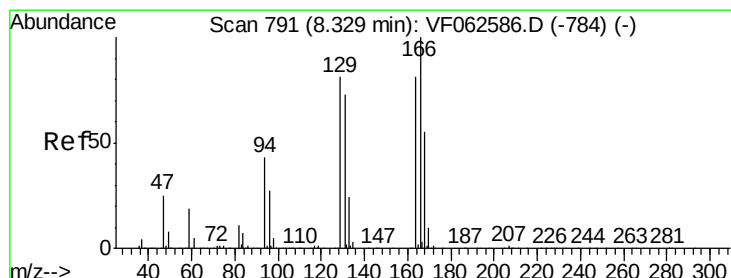
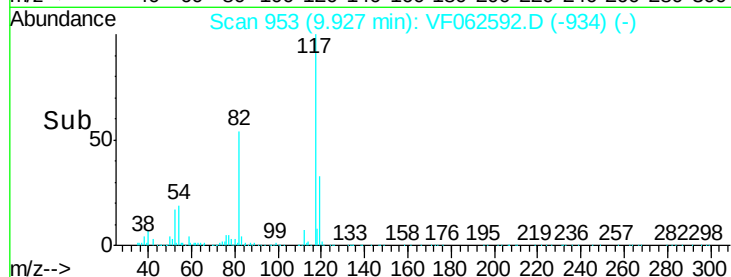
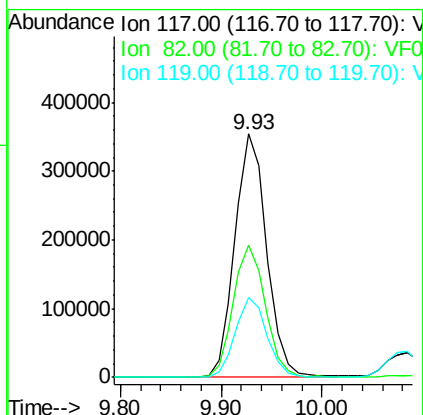
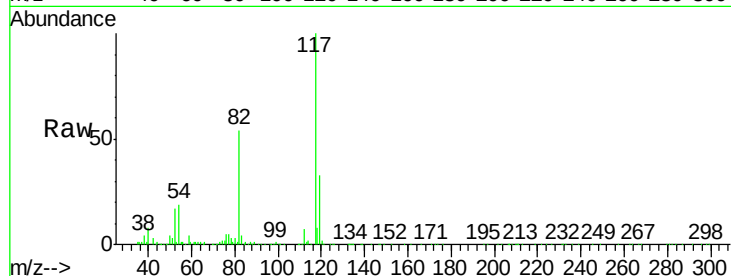




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

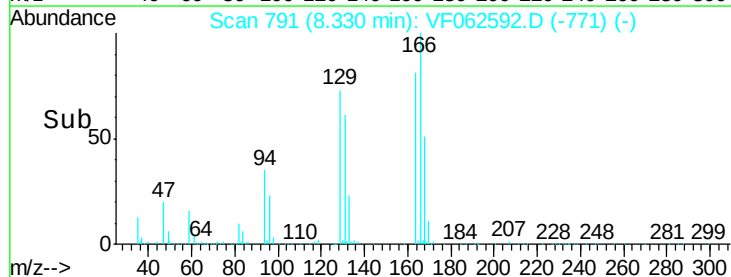
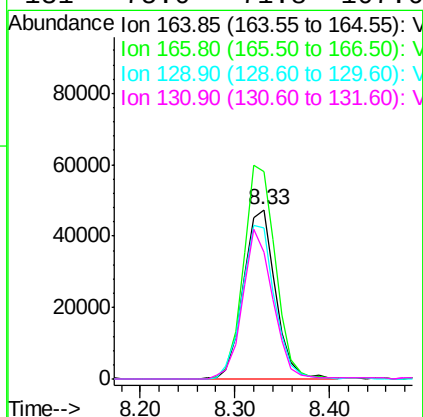
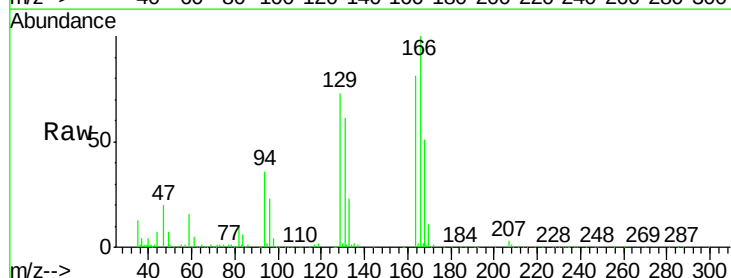
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

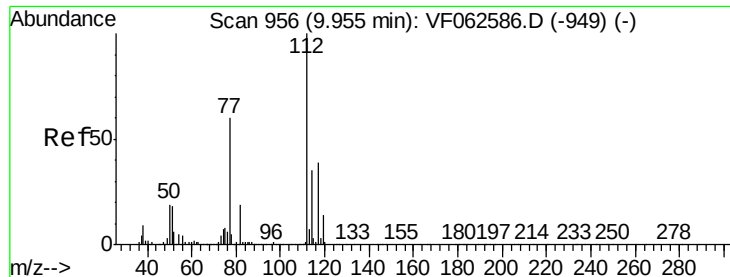
Tot Ion:117 Resp: 777563
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.8 27.7 41.5



#64
Tetrachloroethene
Concen: 21.636 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion:164 Resp: 111170
Ion Ratio Lower Upper
164 100
166 123.1 98.6 148.0
129 89.8 80.2 120.4
131 75.0 71.8 107.6





#65

Chlorobenzene

Concen: 19.819 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

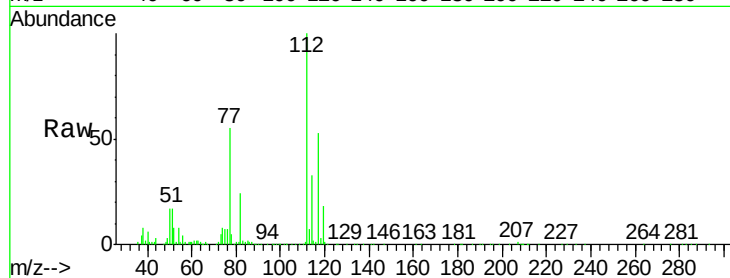
VF0514SBS01

Tot Ion:112 Resp: 267920

Ion Ratio Lower Upper

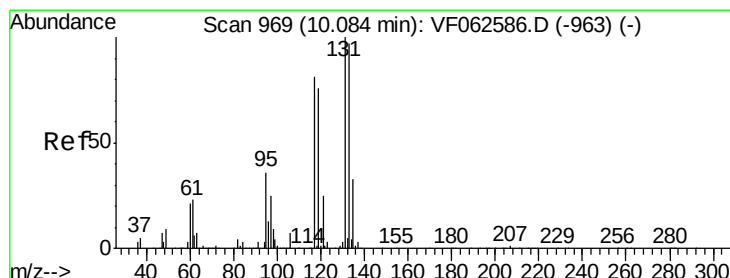
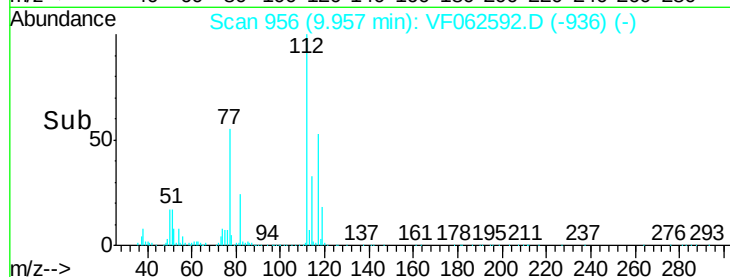
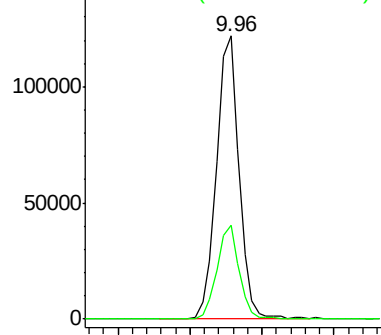
112 100

114 33.0 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.144 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

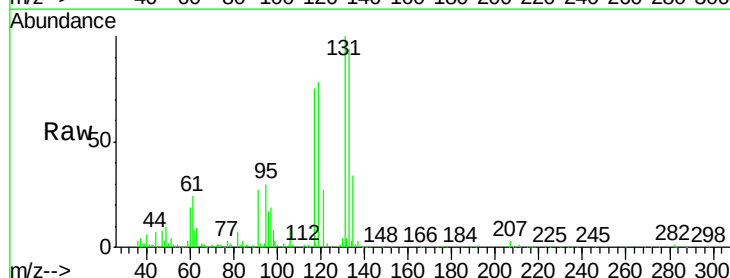
Tgt Ion:131 Resp: 111849

Ion Ratio Lower Upper

131 100

133 94.4 48.4 145.3

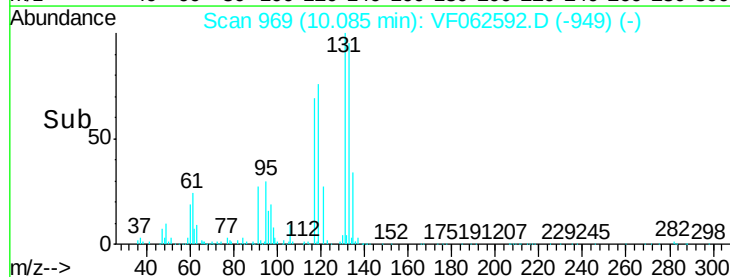
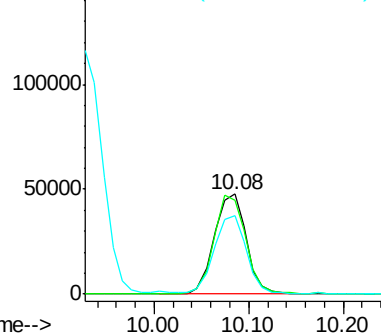
119 78.1 38.5 115.5

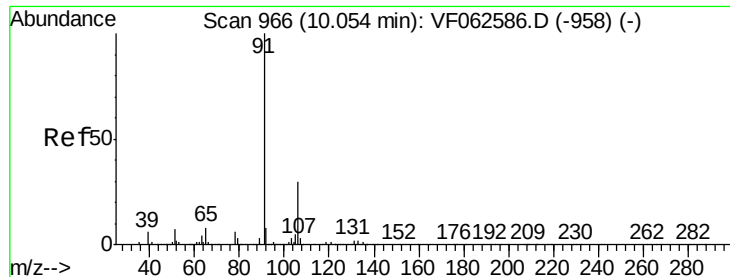


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.701 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

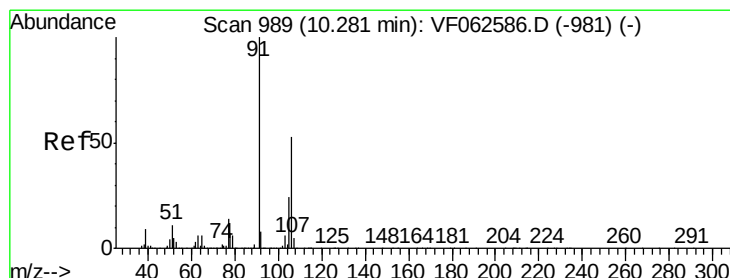
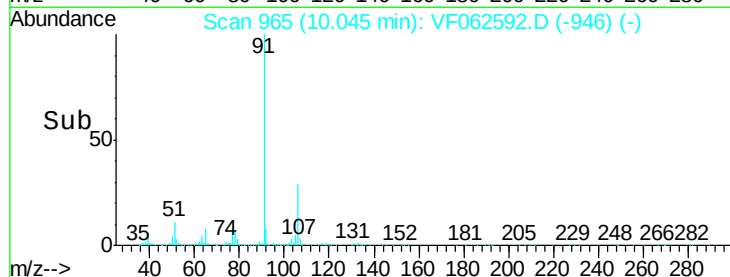
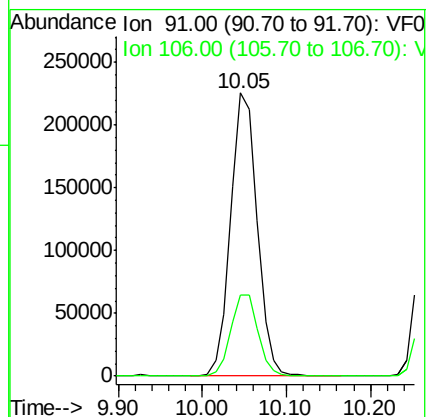
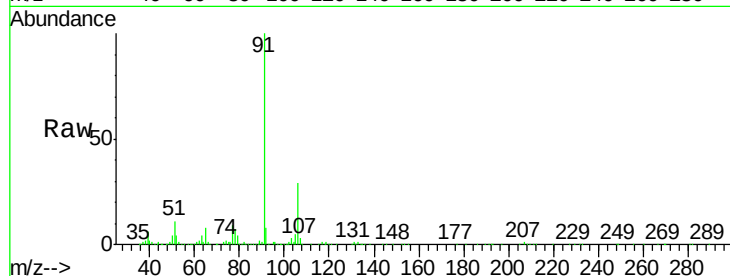
VF0514SBSD01

Tot Ion: 91 Resp: 497175

Ion Ratio Lower Upper

91 100

106 28.7 24.2 36.4



#68

m/p-Xylenes

Concen: 41.083 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062592.D

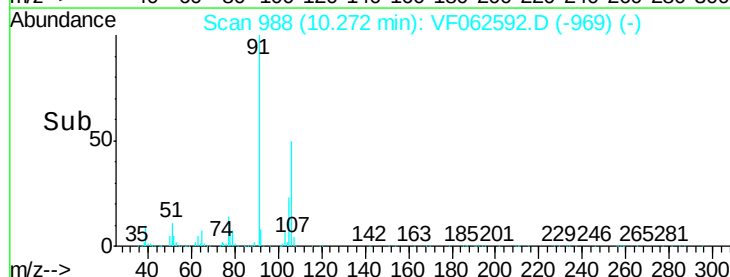
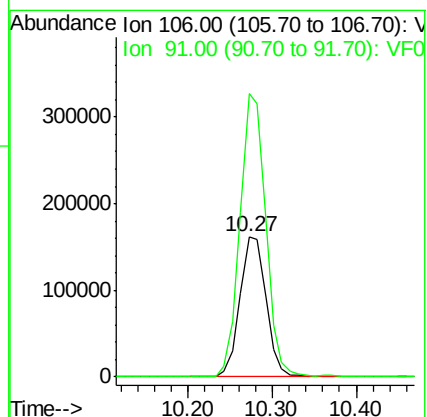
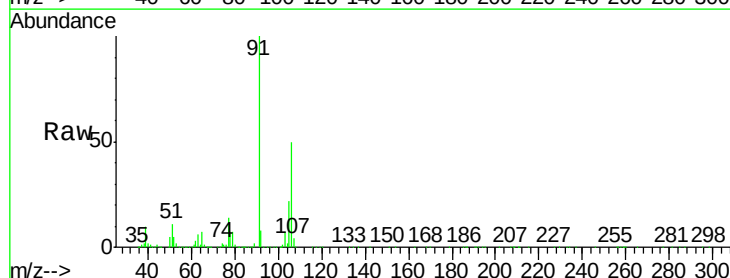
Acq: 14 May 2019 21:09

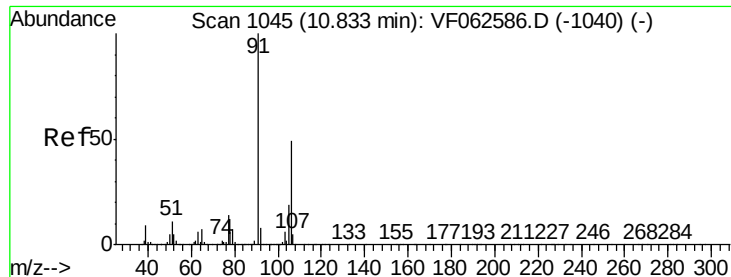
Tgt Ion: 106 Resp: 349728

Ion Ratio Lower Upper

106 100

91 201.6 150.5 225.7

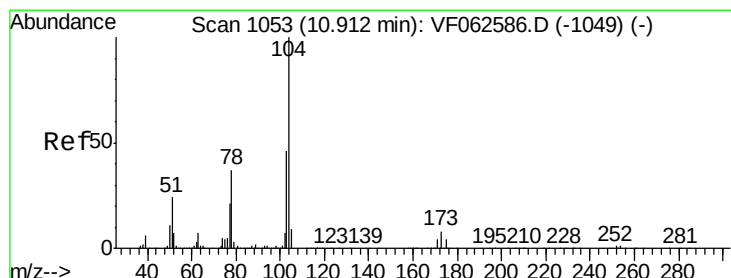
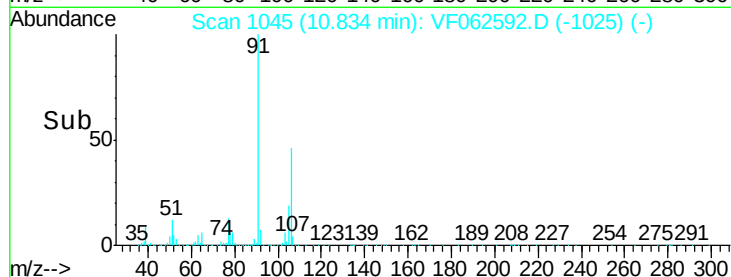
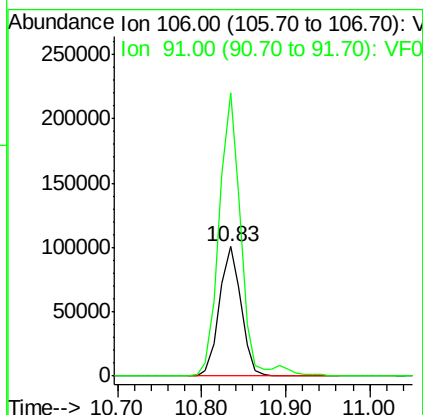
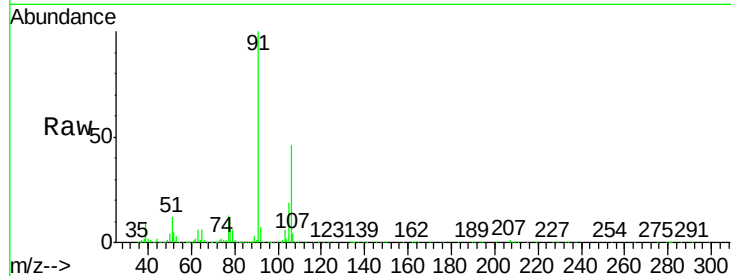




#69
o-Xylene
Concen: 20.228 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

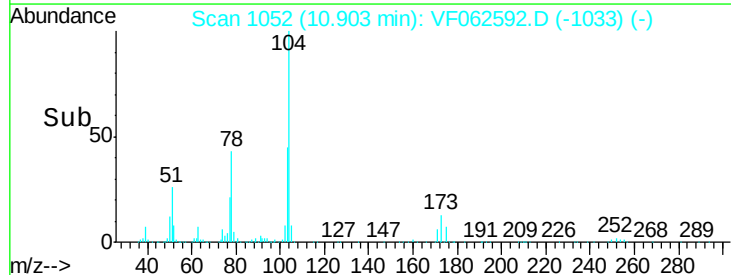
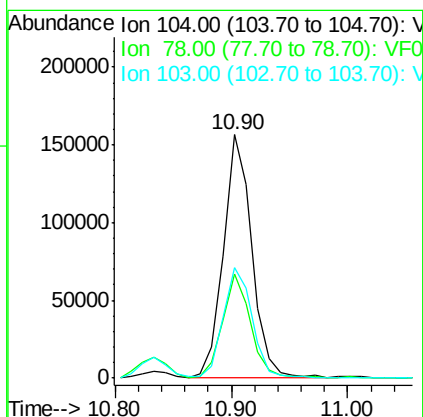
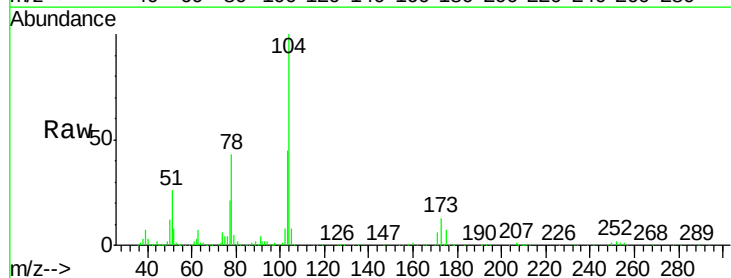
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

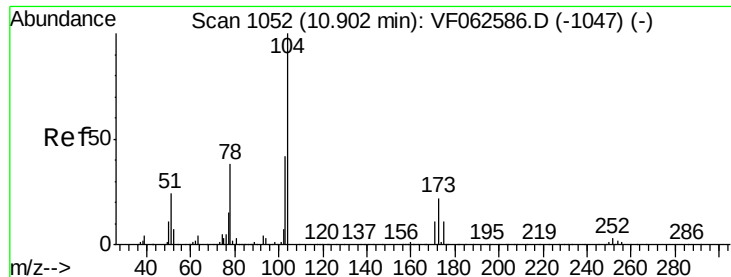
Tot Ion:106 Resp: 180639
Ion Ratio Lower Upper
106 100
91 219.1 102.0 305.9



#70
Styrene
Concen: 19.417 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion:104 Resp: 263469
Ion Ratio Lower Upper
104 100
78 43.0 30.2 45.2
103 45.1 37.0 55.6





#71

Bromoform

Concen: 18.783 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBSD01

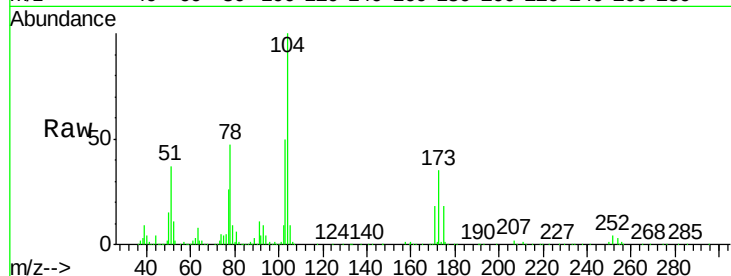
Tot Ion:173 Resp: 49106

Ion Ratio Lower Upper

173 100

175 52.5 24.1 72.3

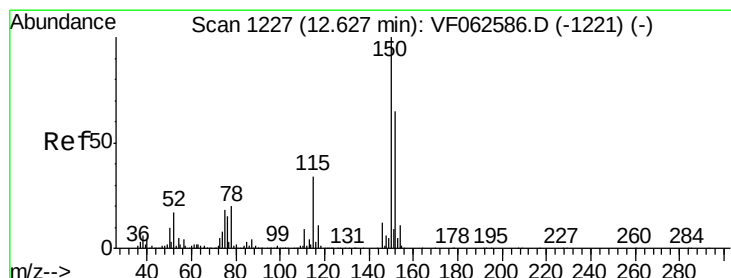
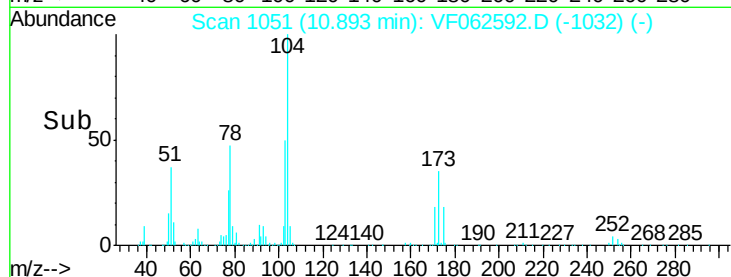
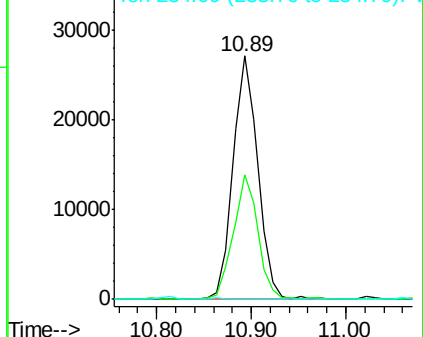
254 0.4 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

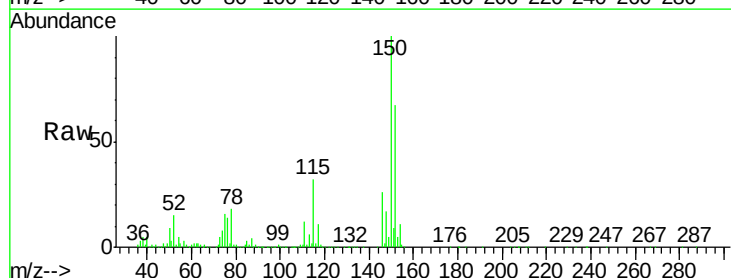
Tgt Ion:152 Resp: 397630

Ion Ratio Lower Upper

152 100

115 47.8 26.2 78.6

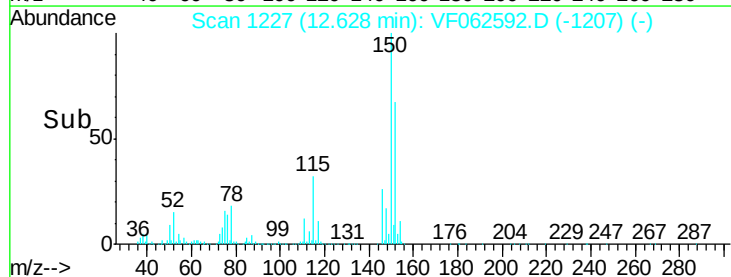
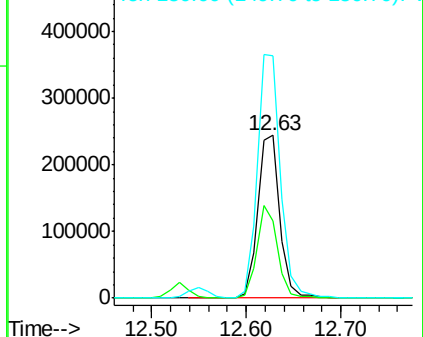
150 148.8 0.0 316.0

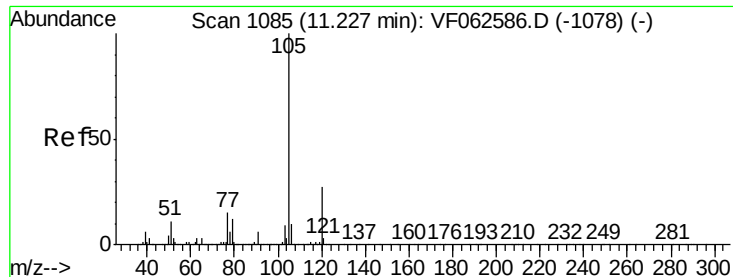


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.248 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

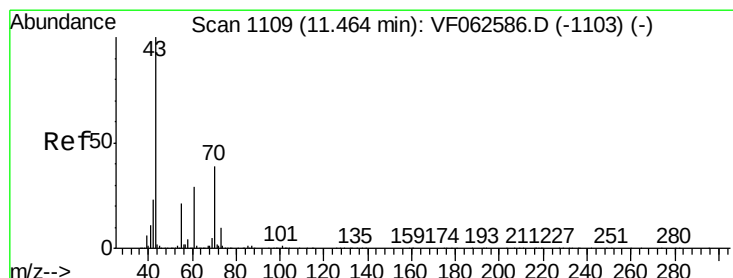
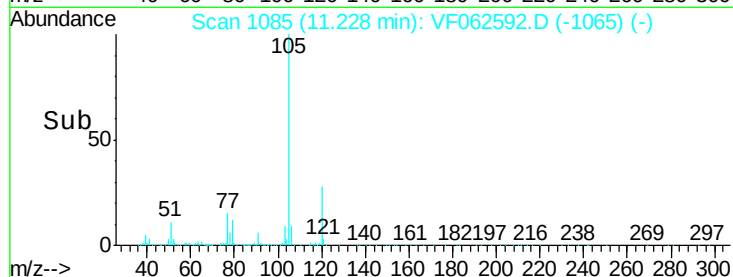
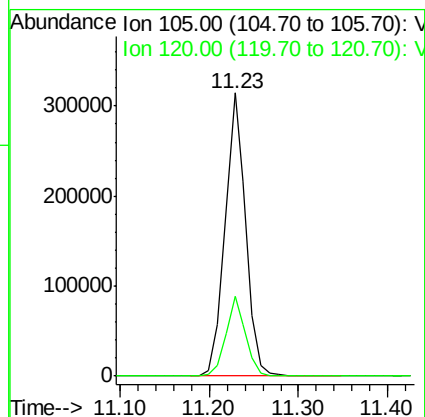
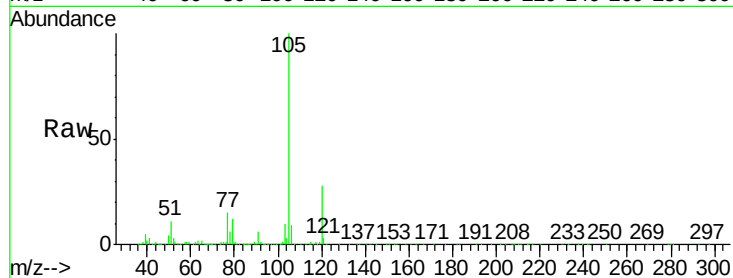
VF0514SBS01

Tot Ion:105 Resp: 514602

Ion Ratio Lower Upper

105 100

120 28.2 13.5 40.4



#74

N-ethyl acetate

Concen: 22.630 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Tgt Ion: 43 Resp: 146909

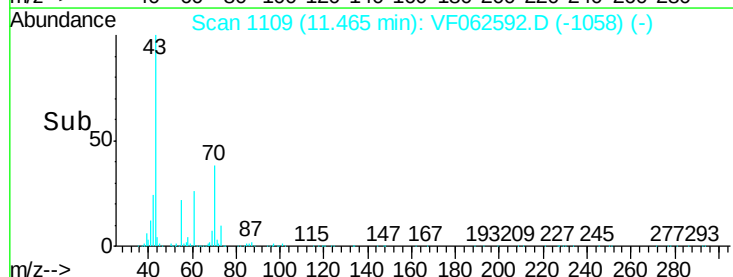
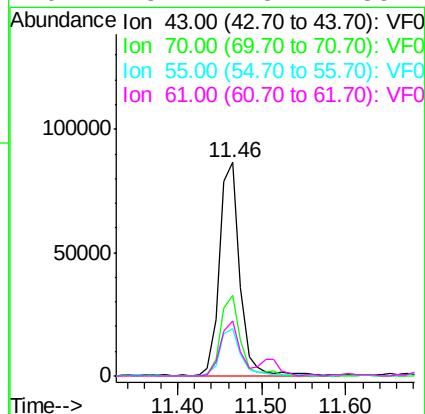
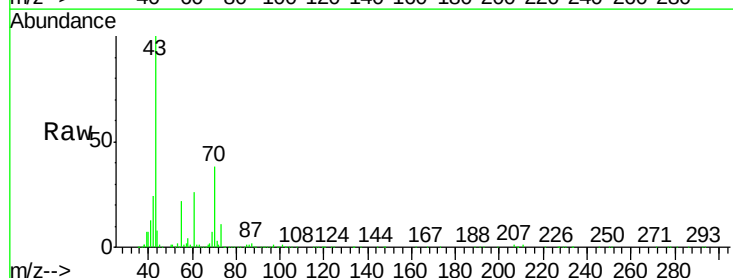
Ion Ratio Lower Upper

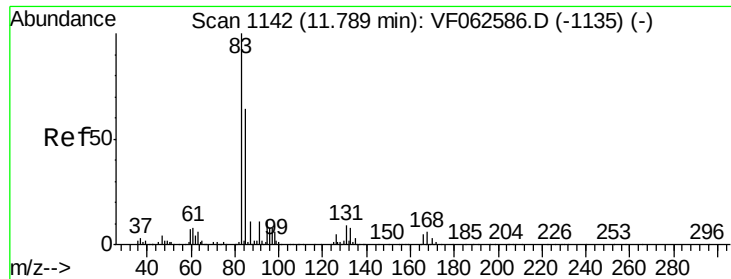
43 100

70 37.8 31.0 46.4

55 22.5 16.7 25.1

61 25.7 23.4 35.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.239 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

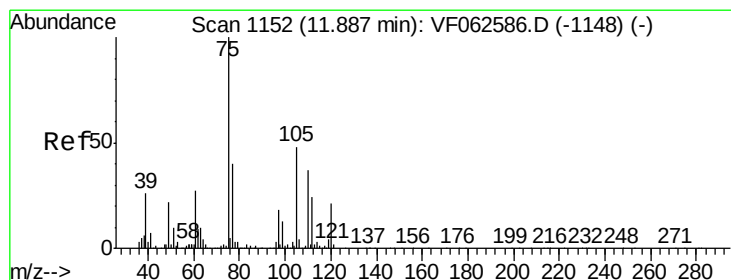
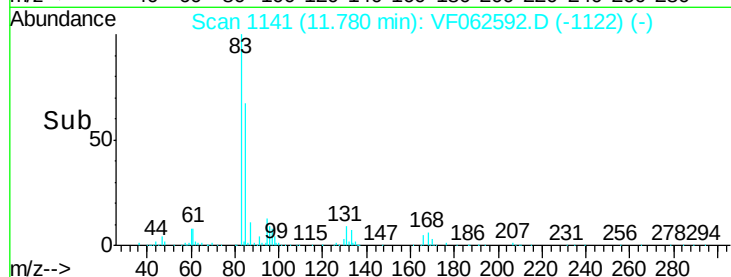
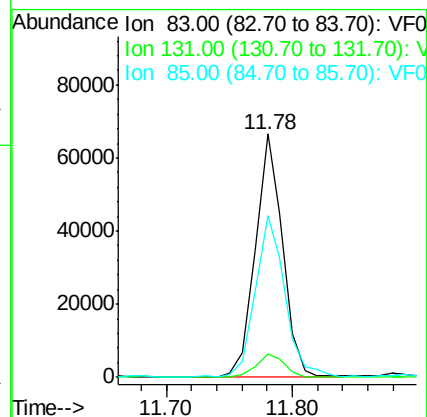
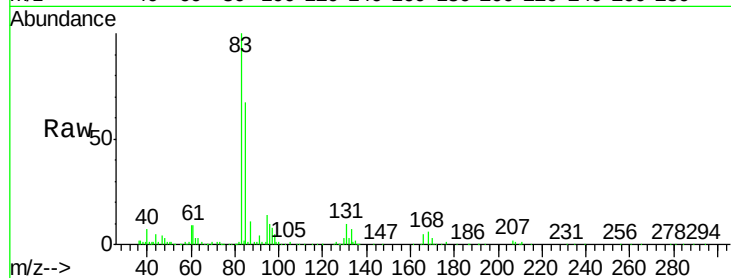
Tot Ion: 83 Resp: 99899

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

85 66.5 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 19.557 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062592.D

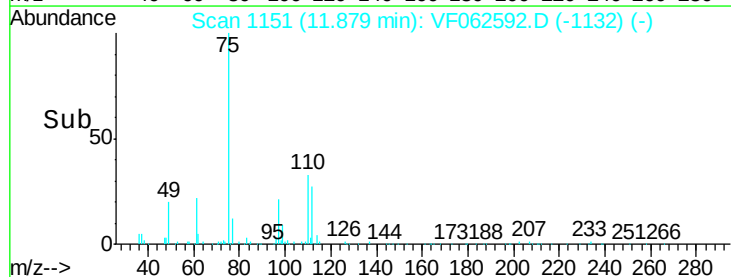
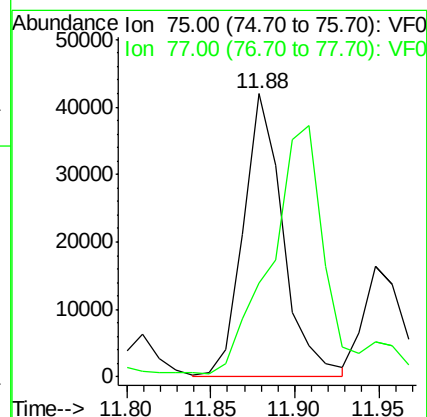
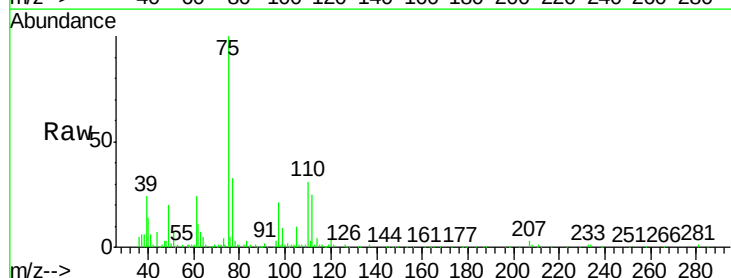
Acq: 14 May 2019 21:09

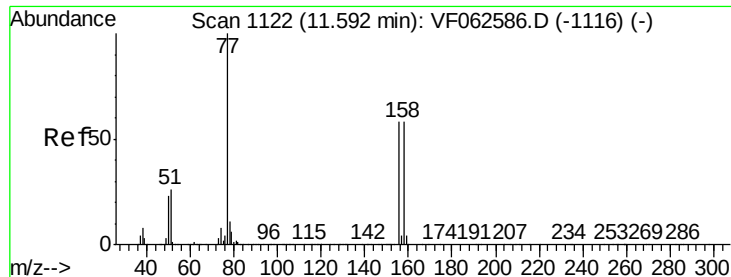
Tgt Ion: 75 Resp: 68670

Ion Ratio Lower Upper

75 100

77 33.1 20.4 61.3





#77

Bromobenzene

Concen: 19.676 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

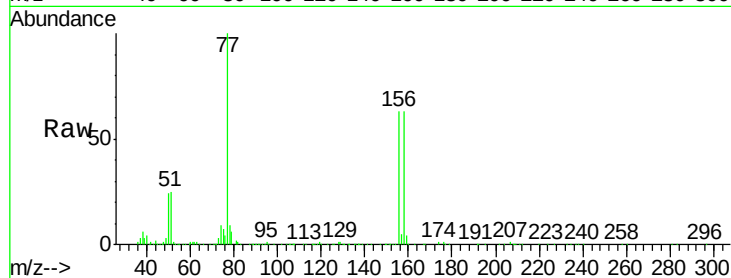
Tot Ion:156 Resp: 118877

Ion Ratio Lower Upper

156 100

77 159.0 86.5 259.5

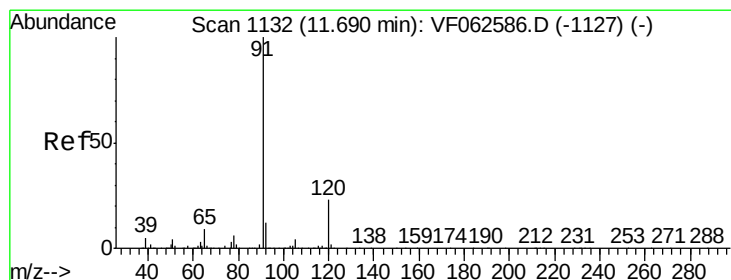
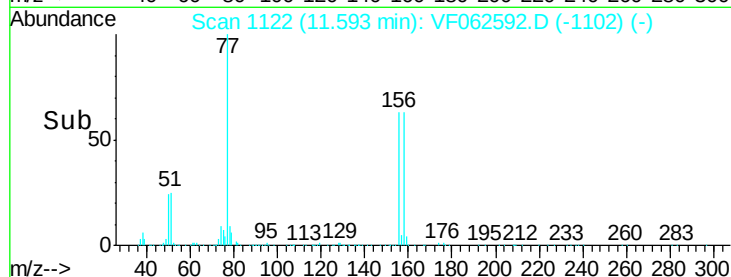
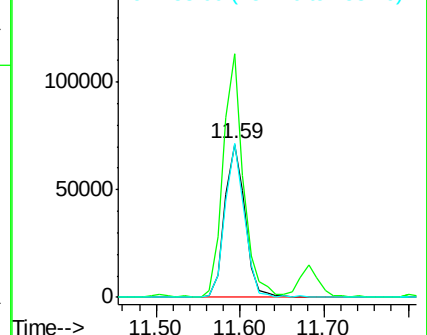
158 100.2 50.3 150.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.168 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062592.D

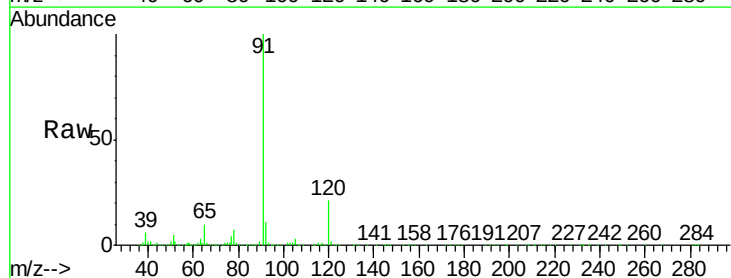
Acq: 14 May 2019 21:09

Tgt Ion: 91 Resp: 609554

Ion Ratio Lower Upper

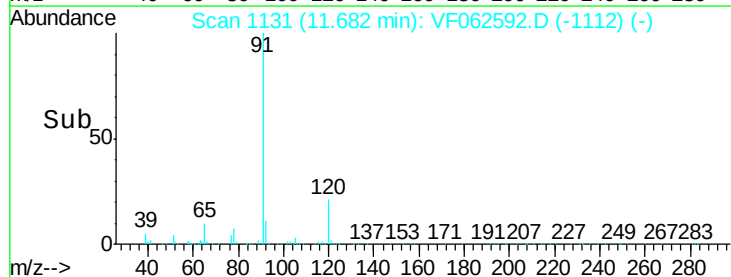
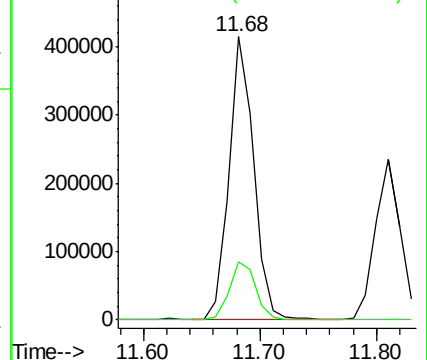
91 100

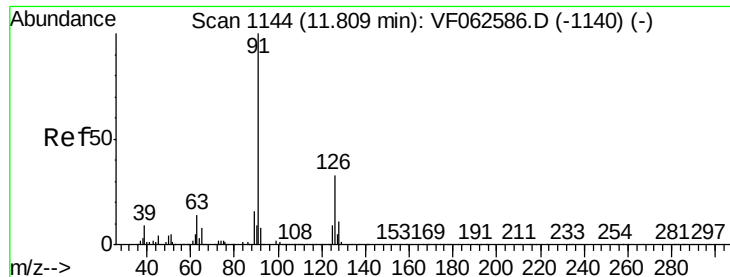
120 20.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.077 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

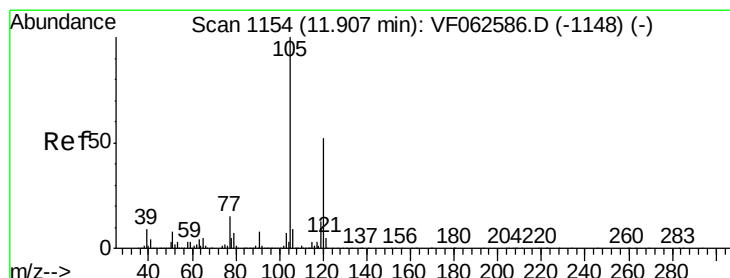
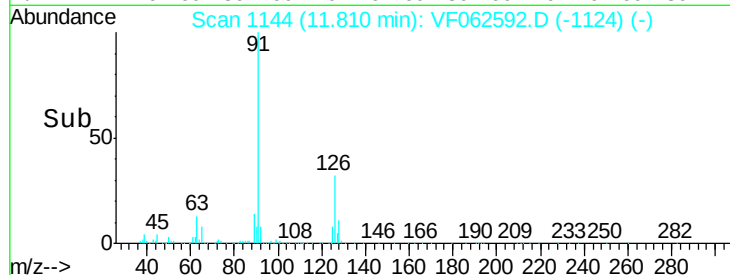
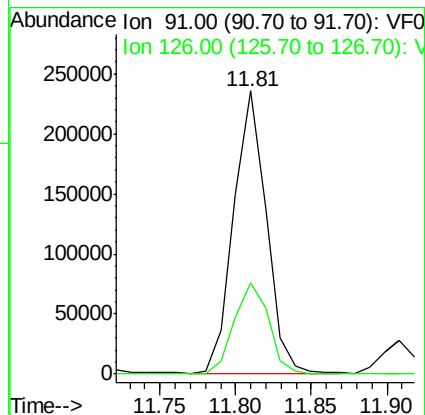
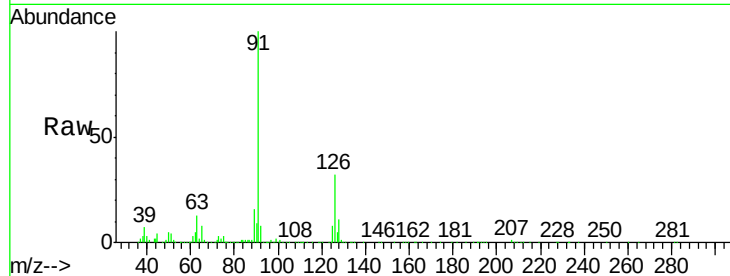
VF0514SBS01

Tot Ion: 91 Resp: 352347

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.659 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062592.D

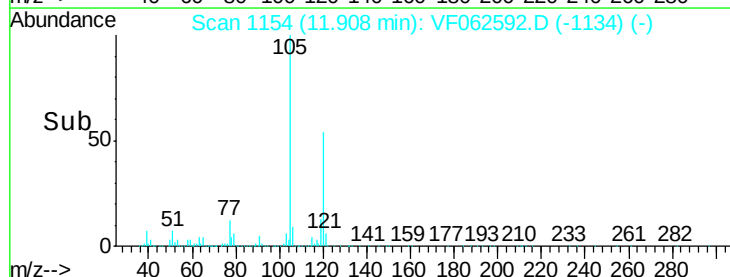
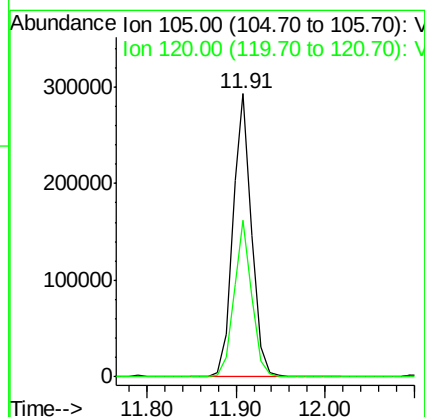
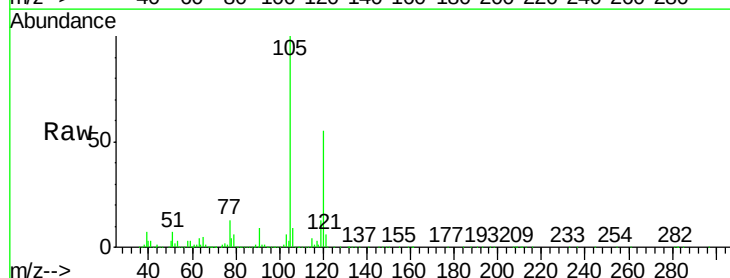
Acq: 14 May 2019 21:09

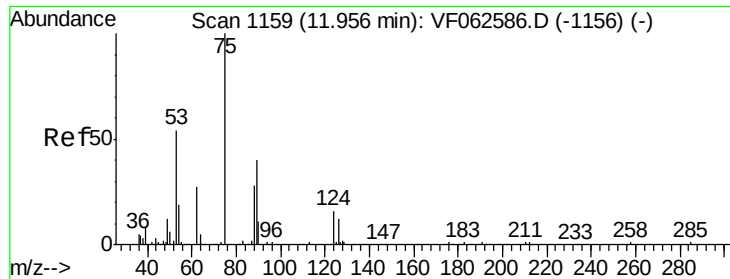
Tgt Ion: 105 Resp: 432356

Ion Ratio Lower Upper

105 100

120 55.3 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.694 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

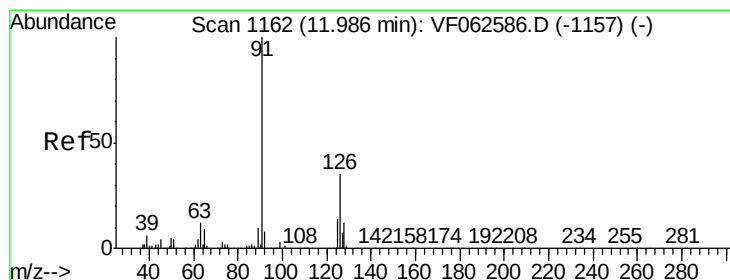
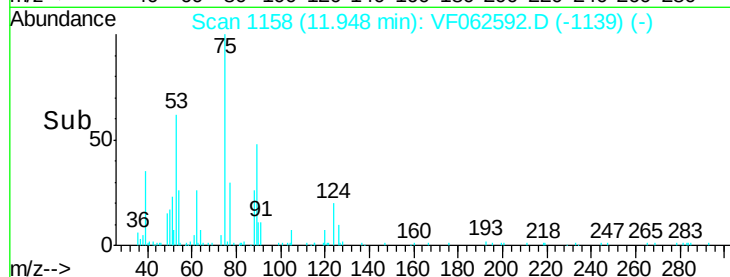
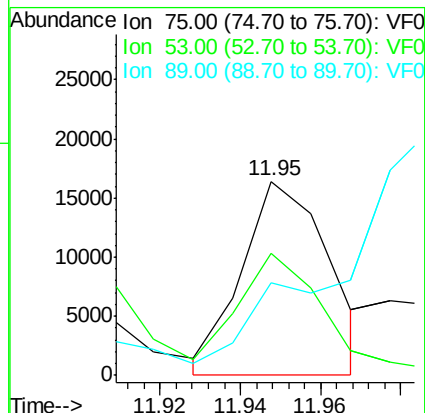
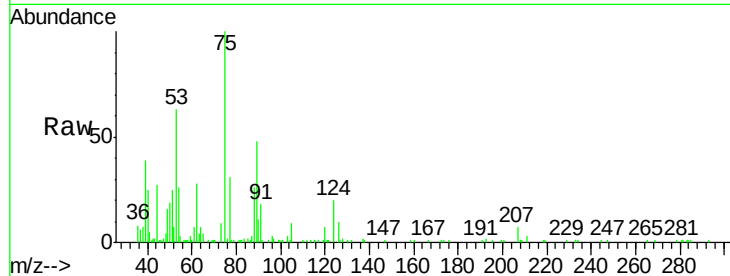
Tot Ion: 75 Resp: 24984

Ion Ratio Lower Upper

75 100

53 63.0 46.6 70.0

89 47.7 33.8 50.8



#82

4-Chlorotoluene

Concen: 20.140 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062592.D

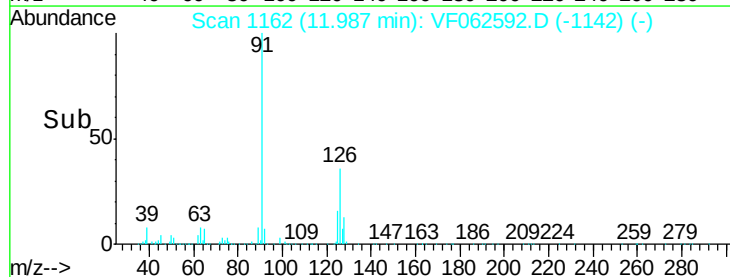
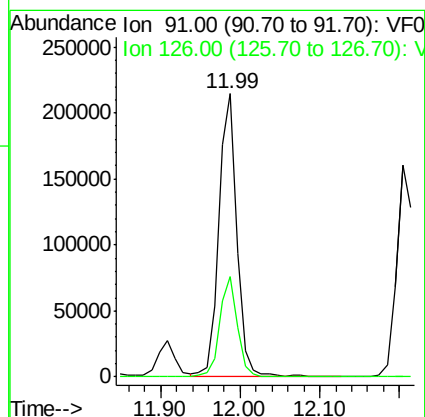
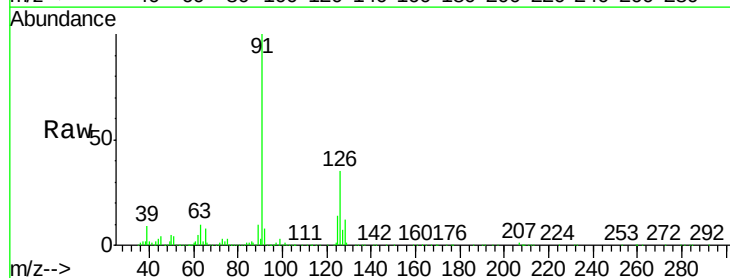
Acq: 14 May 2019 21:09

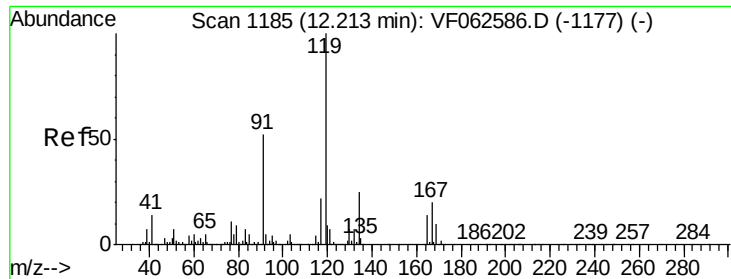
Tgt Ion: 91 Resp: 345607

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5





#83

tert-Butylbenzene

Concen: 20.879 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

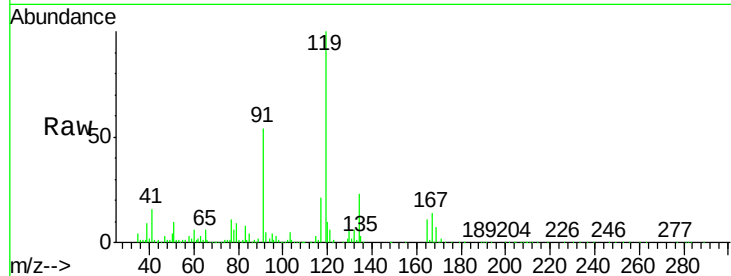
Tot Ion:119 Resp: 457078

Ion Ratio Lower Upper

119 100

91 54.0 26.0 78.0

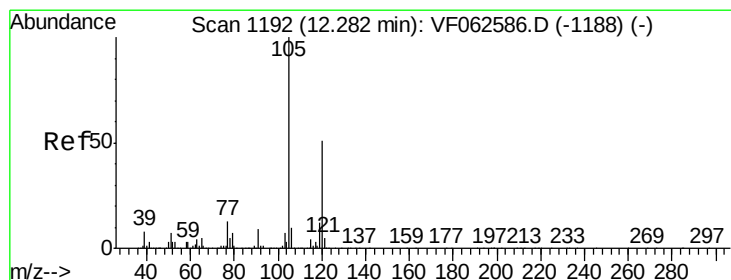
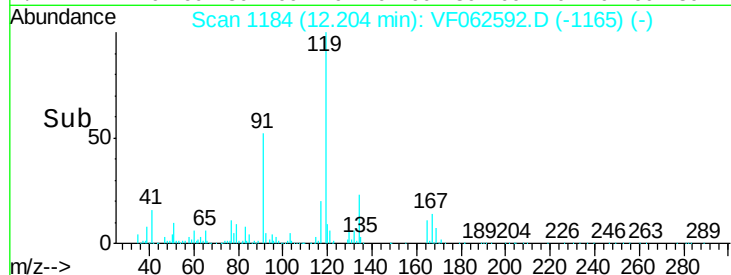
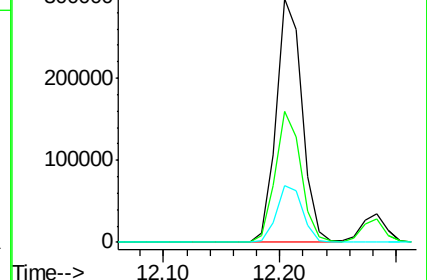
134 23.3 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.322 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF062592.D

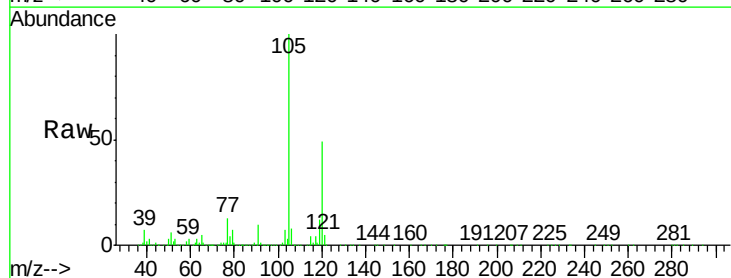
Acq: 14 May 2019 21:09

Tgt Ion:105 Resp: 417776

Ion Ratio Lower Upper

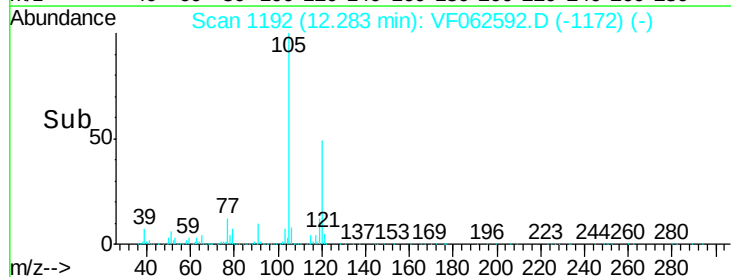
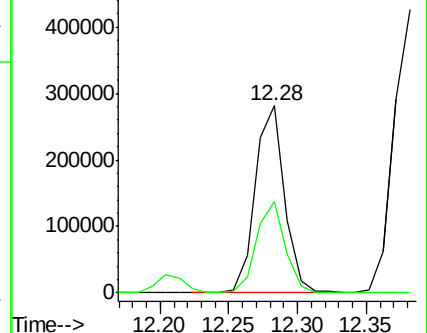
105 100

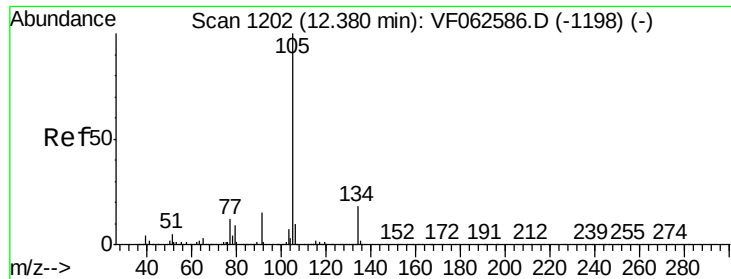
120 48.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.300 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

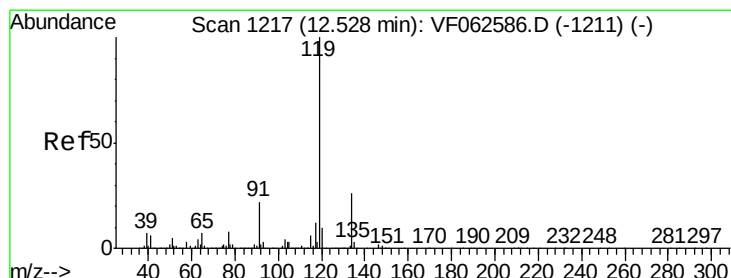
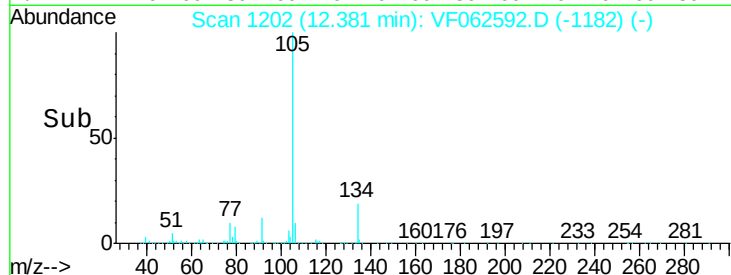
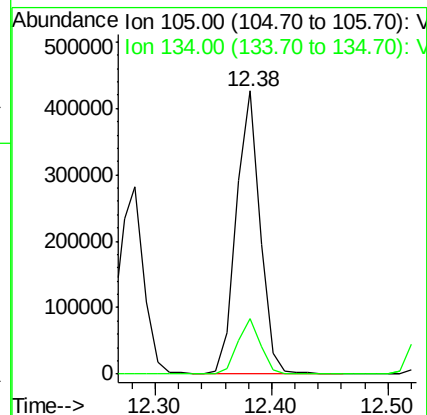
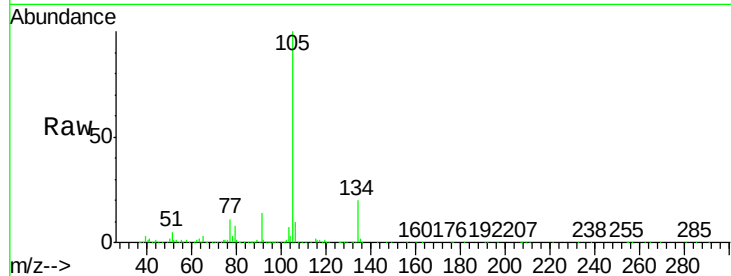
VF0514SBS01

Tot Ion:105 Resp: 603321

Ion Ratio Lower Upper

105 100

134 19.6 9.3 27.7



#86

p-Isopropyltoluene

Concen: 20.682 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

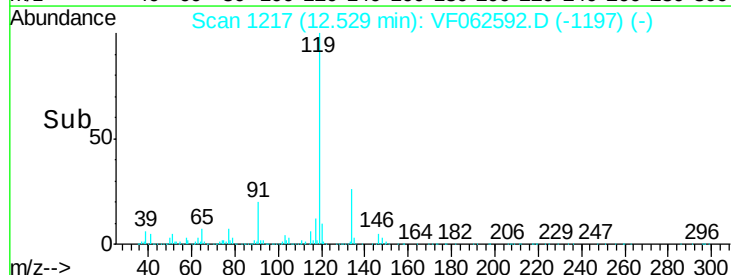
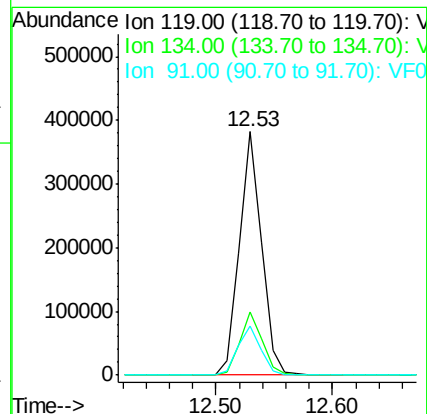
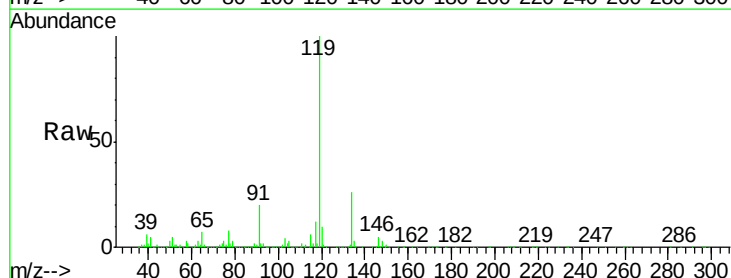
Tgt Ion:119 Resp: 505979

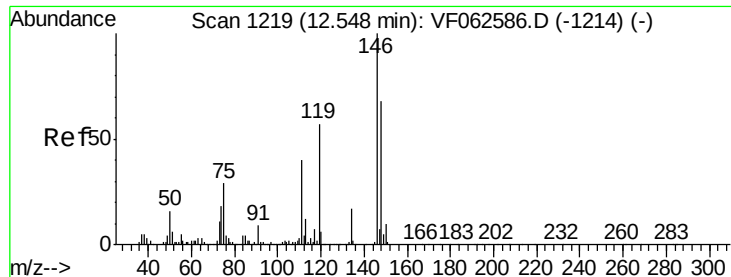
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 20.3 10.9 32.9

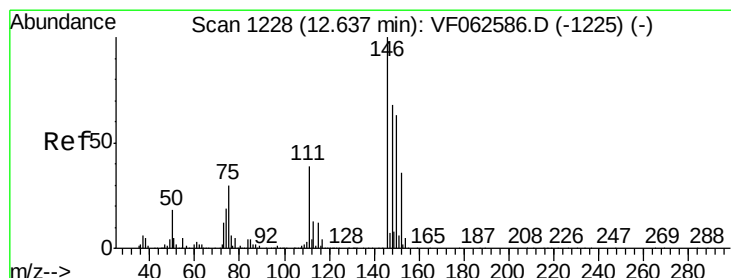
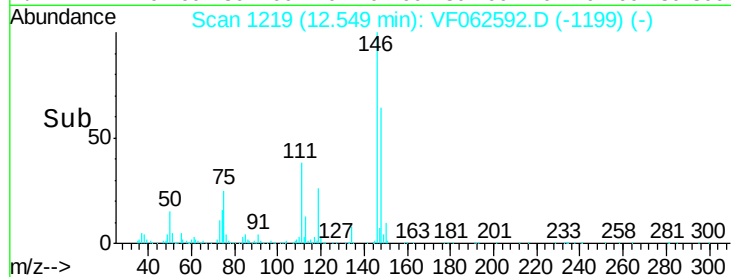
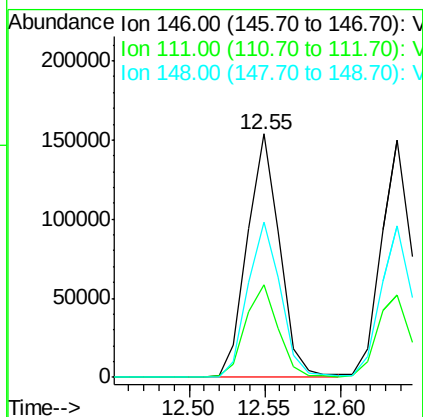
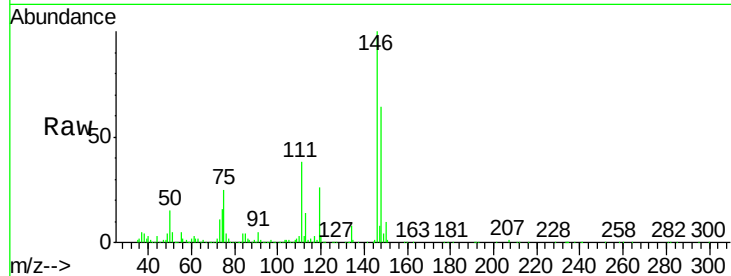




#87
 1,3-Dichlorobenzene
 Concen: 19.430 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

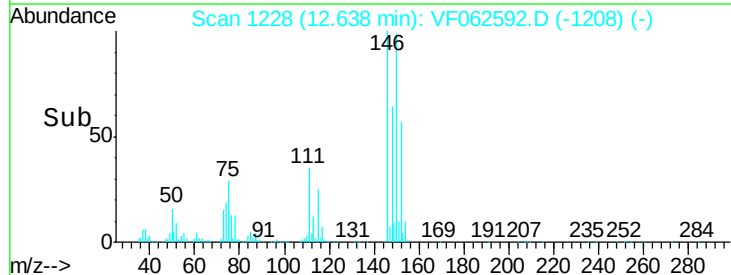
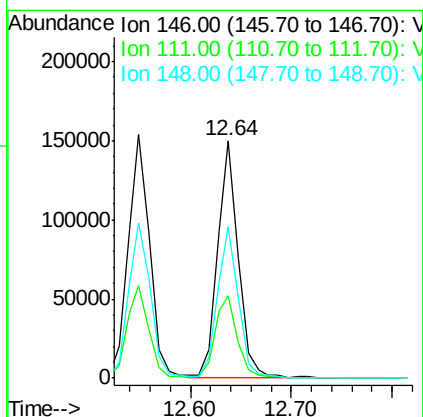
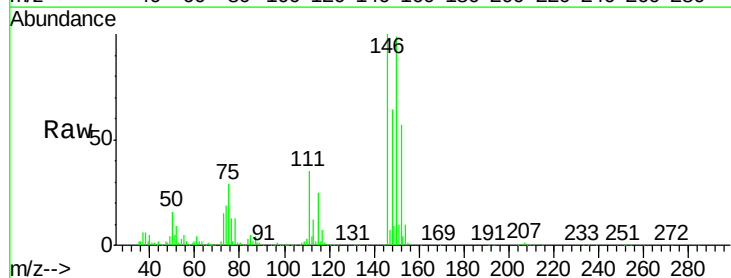
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

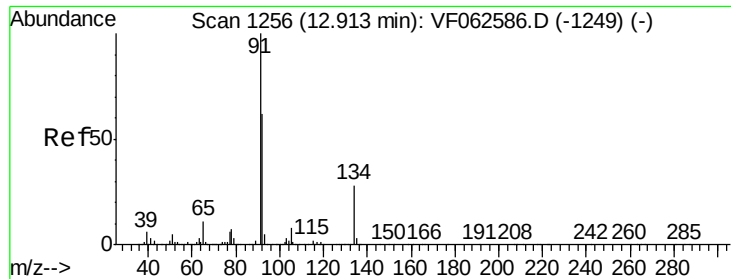
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.1	60.2
148	63.7	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 19.432 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	19.4	58.1
148	63.8	34.2	102.5

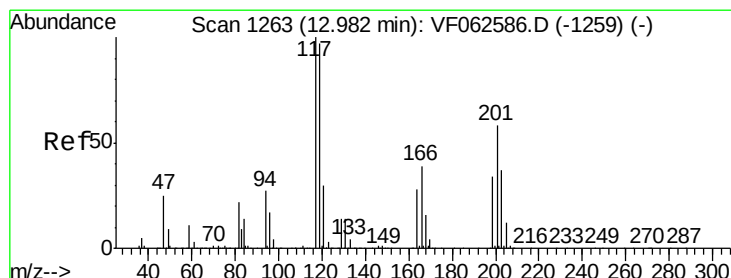
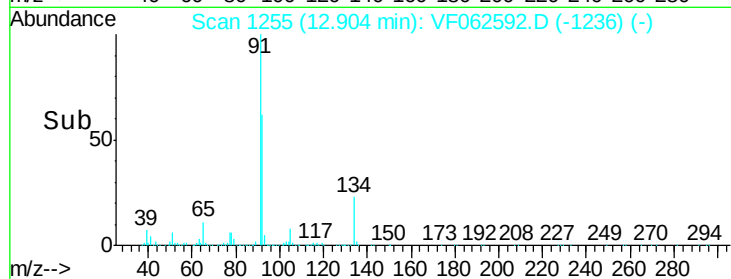
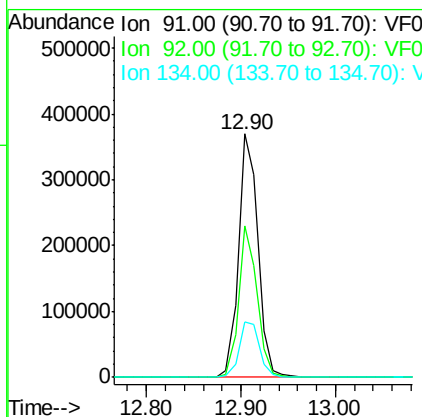
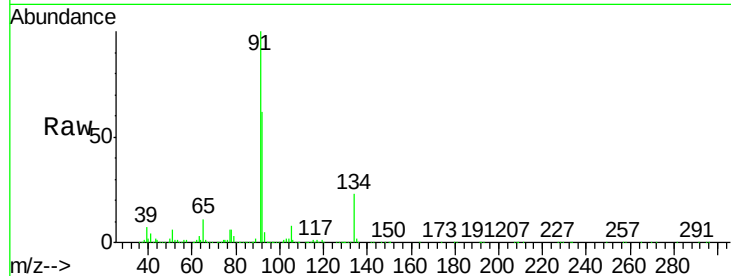




#89
n-Butylbenzene
Concen: 21.118 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

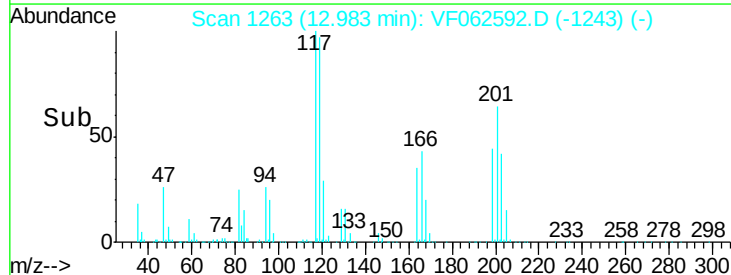
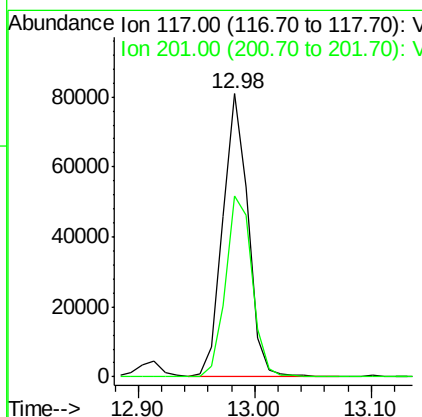
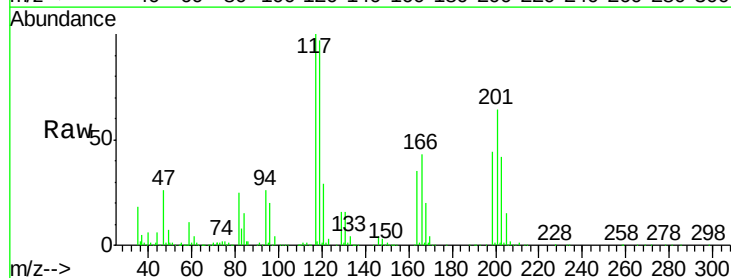
Instrument :
MSVOA_F
ClientSampleId :
VF0514SBS01

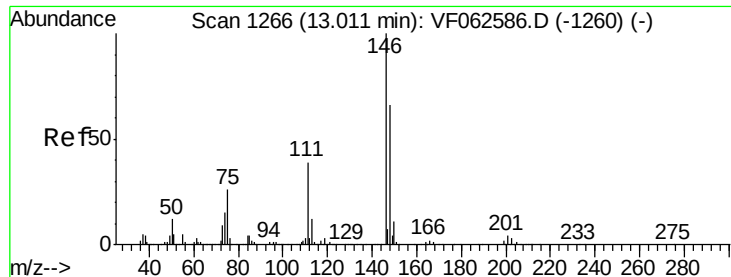
Tot Ion	Ratio	Lower	Upper
91	100		
92	62.4	30.9	92.8
134	22.9	13.9	41.6



#90
Hexachloroethane
Concen: 19.402 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062592.D
Acq: 14 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.1	29.7	89.1





#91

1,2-Dichlorobenzene

Concen: 19.448 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

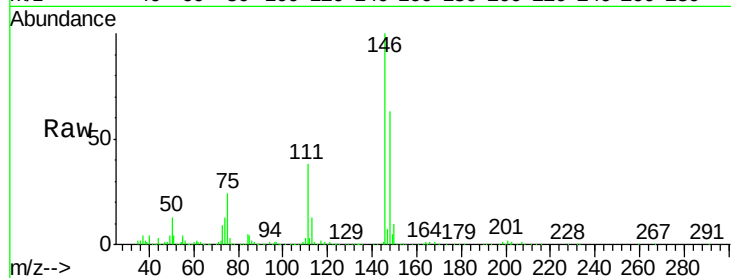
Tot Ion:146 Resp: 203876

Ion Ratio Lower Upper

146 100

111 37.5 19.4 58.2

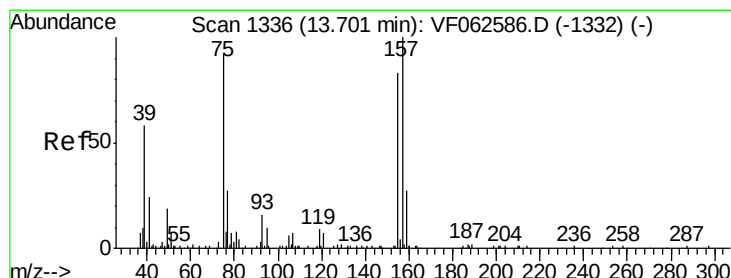
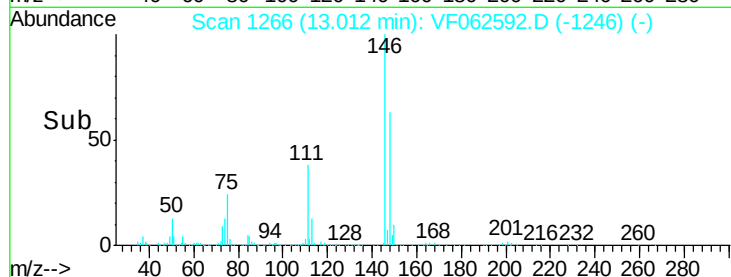
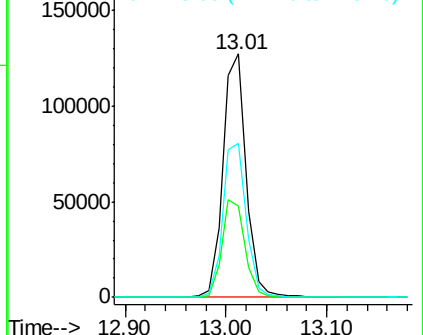
148 63.1 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.402 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

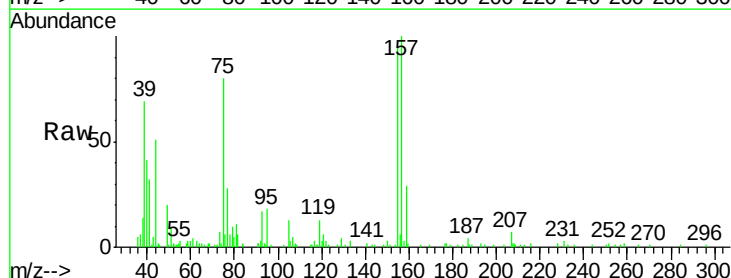
Tgt Ion: 75 Resp: 13053

Ion Ratio Lower Upper

75 100

155 117.8 44.8 134.4

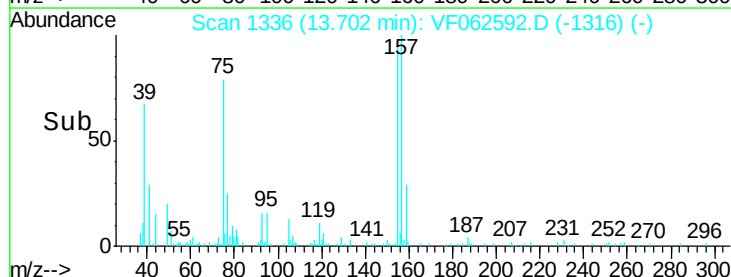
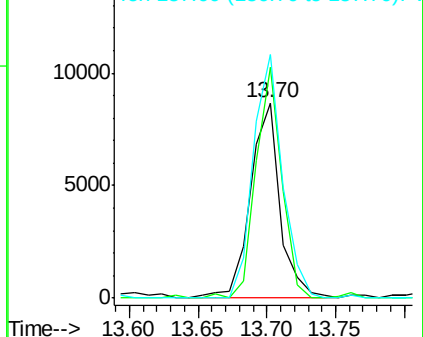
157 124.5 54.1 162.3

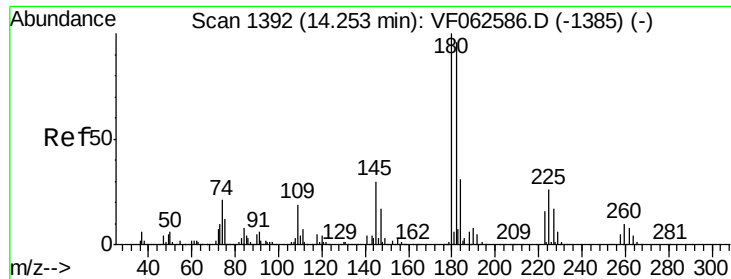


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

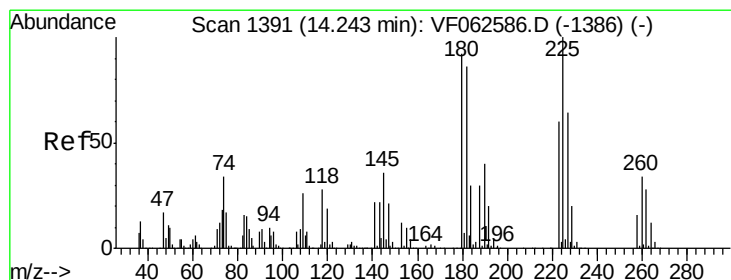
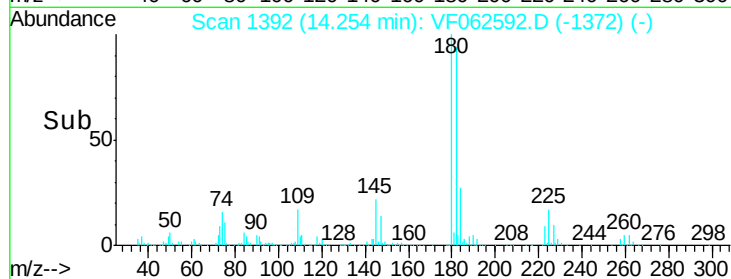
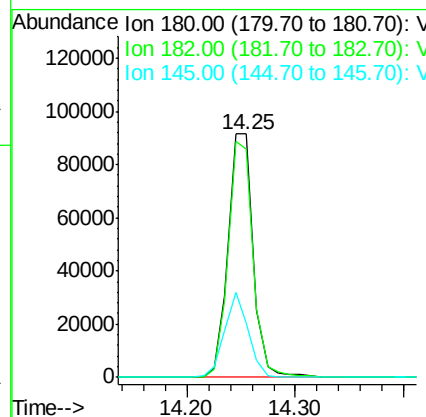
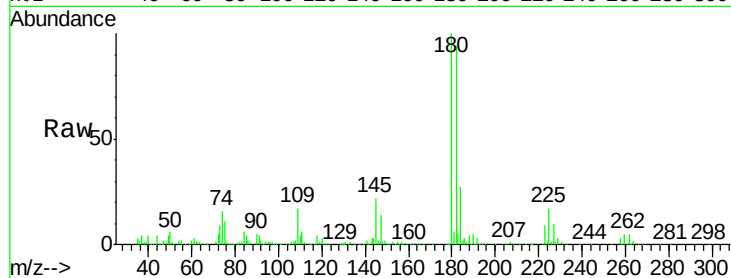




#93
 1,2,4-Trichlorobenzene
 Concen: 20.295 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

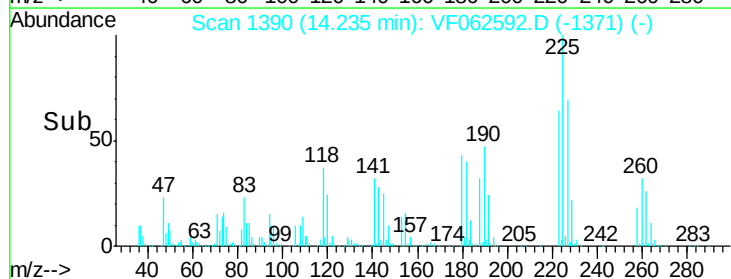
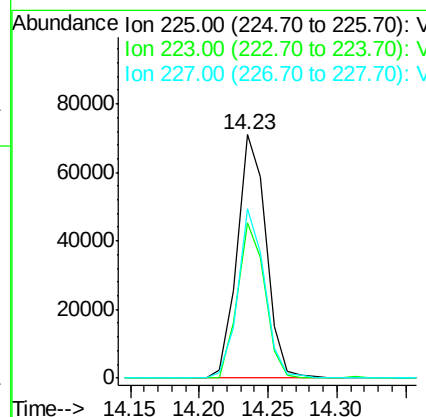
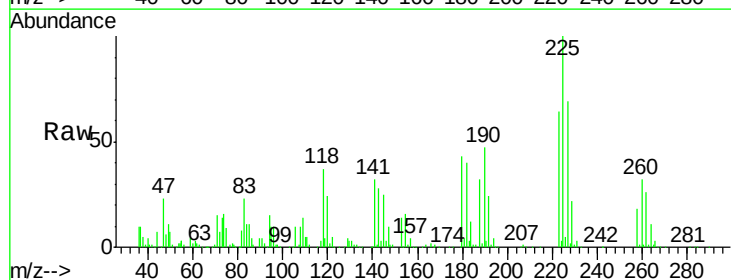
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0514SBS01

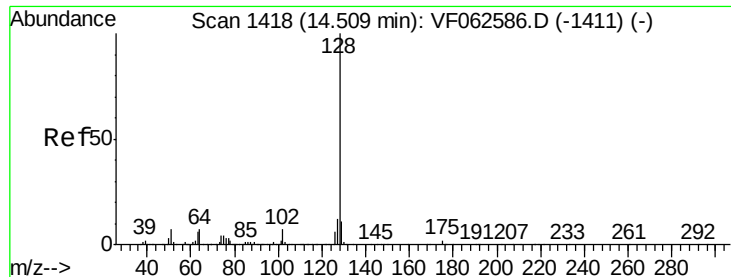
Tot Ion:180 Resp: 147947
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.9 143.8
 145 22.1 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 19.694 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062592.D
 Acq: 14 May 2019 21:09

Tgt Ion:225 Resp: 104290
 Ion Ratio Lower Upper
 225 100
 223 63.8 29.9 89.7
 227 69.4 31.9 95.9





#95

Naphthalene

Concen: 20.354 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

Instrument :

MSVOA_F

ClientSampleId :

VF0514SBS01

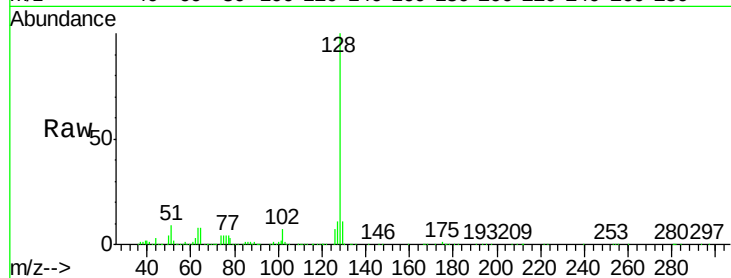
Tot Ion:128 Resp: 241514

Ion Ratio Lower Upper

128 100

127 11.4 9.5 14.3

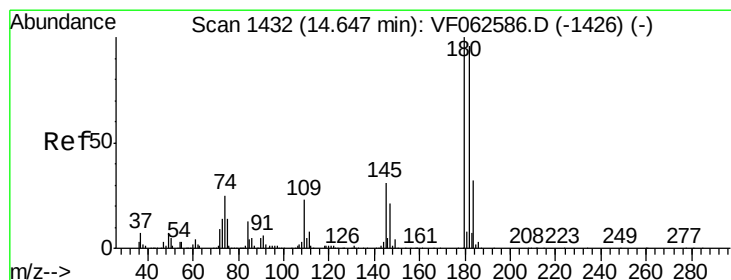
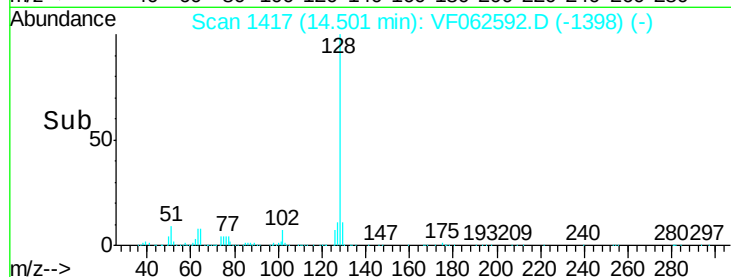
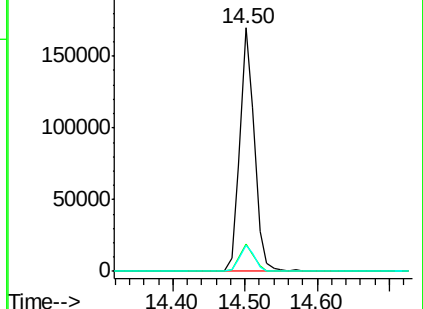
129 10.7 8.6 13.0



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: 19.828 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062592.D

Acq: 14 May 2019 21:09

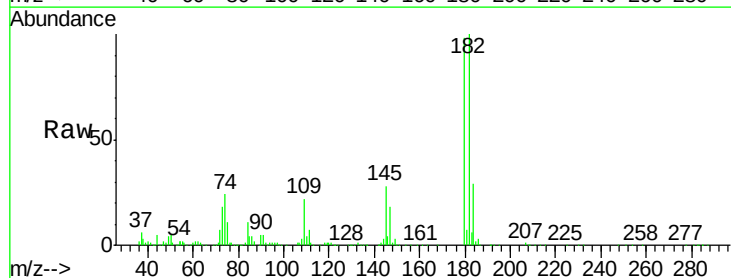
Tgt Ion:180 Resp: 134098

Ion Ratio Lower Upper

180 100

182 101.6 48.1 144.3

145 28.8 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

