

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062746.D
 Acq On : 24 May 2019 14:42
 Operator : FY/SY
 Sample : VF0524SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBSD01

Quant Time: May 24 23:45:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	692744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1157480	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	868716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	421834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	212473	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	4.32	113	418904	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	7.72	98	940411	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	
62) 4-Bromofluorobenzene	11.49	95	352408	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	162358	17.222	ug/l	100
3) Chloromethane	1.13	50	150378	17.324	ug/l	91
4) Vinyl Chloride	1.18	62	143963	18.017	ug/l	97
5) Bromomethane	1.39	94	80644	18.449	ug/l	95
6) Chloroethane	1.44	64	57337	19.539	ug/l	99
7) Trichlorofluoromethane	1.55	101	214436	19.987	ug/l	93
8) Diethyl Ether	1.72	74	42546	20.018	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.92	101	138590	20.287	ug/l	97
10) Methyl Iodide	1.98	142	268000	19.970	ug/l	98
11) Tert butyl alcohol	2.70	59	33074	102.336	ug/l	95
12) 1,1-Dichloroethene	1.87	96	123300	19.813	ug/l	99
13) Acrolein	2.10	56	28463	84.369	ug/l	94
14) Allyl chloride	2.20	41	118344	21.012	ug/l	95
15) Acrylonitrile	3.09	53	131239	143.956	ug/l #	93
16) Acetone	2.35	43	102941	81.056	ug/l	93
17) Carbon Disulfide	1.91	76	359259m	19.477	ug/l	
18) Methyl Acetate	2.47	43	41683	20.886	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	223322	20.074	ug/l	97
20) Methylene Chloride	2.29	84	142901m	22.448	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	138658	22.796	ug/l	93
22) Diisopropyl ether	2.94	45	284357	20.470	ug/l	99
23) Vinyl Acetate	3.35	43	908010	96.899	ug/l	96
24) 1,1-Dichloroethane	3.02	63	213192	20.920	ug/l	99
25) 2-Butanone	4.53	43	293731	108.255	ug/l	94
26) 2,2-Dichloropropane	3.78	77	136067	23.336	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	206260	20.615	ug/l	97
28) Bromochloromethane	3.91	49	112758	19.729	ug/l	96
29) Tetrahydrofuran	4.28	42	105249	95.856	ug/l	98
30) Chloroform	4.06	83	297415	21.021	ug/l	93
31) Cyclohexane	3.89	56	276488	20.207	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	197225	20.989	ug/l	94
36) 1,1-Dichloropropene	4.49	75	222007	18.718	ug/l	94
37) Ethyl Acetate	4.31	43	81094	16.746	ug/l	88
38) Carbon Tetrachloride	4.19	117	175213	19.643	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	302318	21.184	ug/l	96
40) Benzene	4.83	78	674609	20.878	ug/l	100
41) Methacrylonitrile	4.93	41	45601	17.961	ug/l #	92
42) 1,2-Dichloroethane	5.14	62	128155	19.889	ug/l	94
43) Isopropyl Acetate	7.12	43	100914	16.085	ug/l	91
44) Trichloroethene	5.69	130	192079	21.151	ug/l	93
45) 1,2-Dichloropropane	6.41	63	176980	21.698	ug/l	97
46) Dibromomethane	6.27	93	100084	21.232	ug/l	93
47) Bromodichloromethane	6.56	83	193352	19.758	ug/l	98
48) Methyl methacrylate	6.88	41	54193	16.526	ug/l	94
49) 1,4-Dioxane	6.88	88	15136	360.376	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	406504	94.790	ug/l	94
52) Toluene	7.79	92	333385	19.674	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	152947	19.104	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	222048	19.813	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	99317	19.795	ug/l	93
56) Ethyl methacrylate	8.76	69	103417	17.301	ug/l	93
57) 1,3-Dichloropropane	9.00	76	164891	19.294	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	169628	87.181	ug/l	97
59) 2-Hexanone	9.63	43	282326	89.762	ug/l	98
60) Dibromochloromethane	8.86	129	123543	18.893	ug/l	95
61) 1,2-Dibromoethane	9.14	107	103240	19.373	ug/l	97
64) Tetrachloroethene	8.31	164	139153	20.219	ug/l	96
65) Chlorobenzene	9.94	112	353401	20.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	142637	20.824	ug/l	90
67) Ethyl Benzene	10.04	91	632260	21.330	ug/l	96
68) m/p-Xylenes	10.26	106	467308	41.947	ug/l	78
69) o-Xylene	10.82	106	233294	20.331	ug/l	97
70) Styrene	10.89	104	350527	20.098	ug/l	98
71) Bromoform	10.88	173	62435	18.200	ug/l #	97
73) Isopropylbenzene	11.22	105	646975	21.399	ug/l	97
74) N-amyl acetate	11.46	43	173011	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	124557	20.159	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	81162	19.992	ug/l	90
77) Bromobenzene	11.58	156	152376	20.276	ug/l	98
78) n-propylbenzene	11.67	91	777163	21.720	ug/l	91
79) 2-Chlorotoluene	11.80	91	421992	20.927	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	534863	22.063	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	32011m	17.739	ug/l	
82) 4-Chlorotoluene	11.98	91	435139	21.883	ug/l	97
83) tert-Butylbenzene	12.20	119	520863	21.177	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	494246	21.064	ug/l	94
85) sec-Butylbenzene	12.37	105	711474	21.555	ug/l	95
86) p-Isopropyltoluene	12.52	119	586521	21.085	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	276649	20.347	ug/l	94
88) 1,4-Dichlorobenzene	12.63	146	261379	20.486	ug/l	98
89) n-Butylbenzene	12.89	91	609466	22.222	ug/l	90
90) Hexachloroethane	12.97	117	137423	20.594	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	244787	20.197	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15969	21.665	ug/l	86

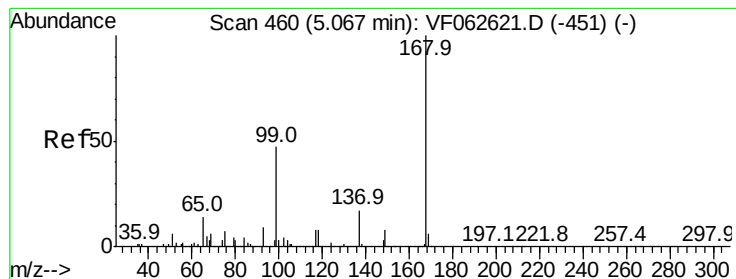
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
Data File : VF062746.D
Acq On : 24 May 2019 14:42
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Sample : VF0524SBSD01
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ClientSampleId :
VF0524SBSD01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	166760	19.222	µg/l	96
94) Hexachlorobutadiene	14.23	225	120951	19.978	µg/l	91
95) Naphthalene	14.49	128	264680	16.794	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	150301	18.291	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

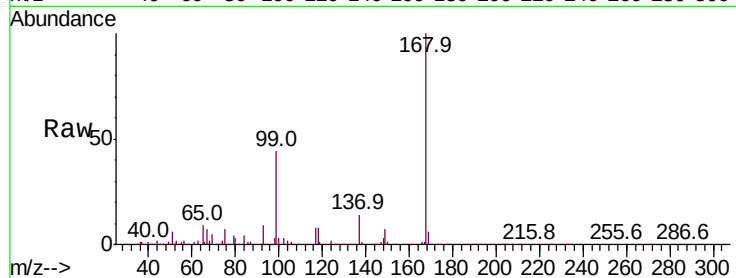
VF0524SBS01

Tot Ion:168 Resp: 692744

Ion Ratio Lower Upper

168 100

99 44.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

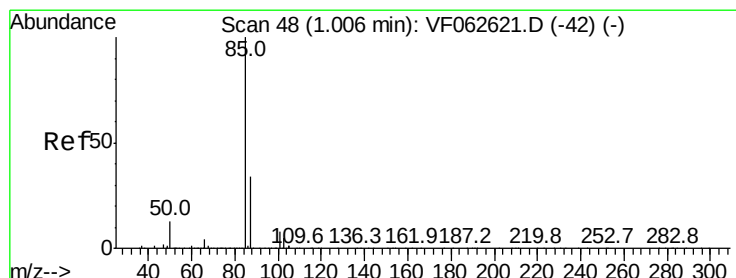
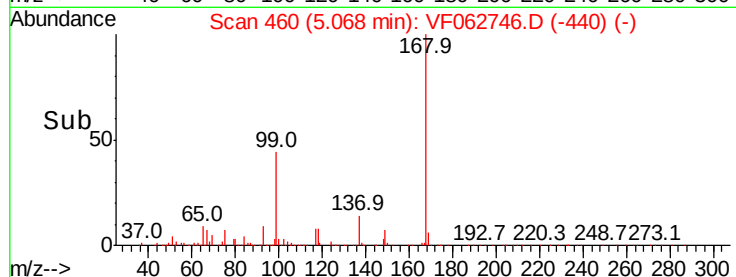
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 17.222 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062746.D

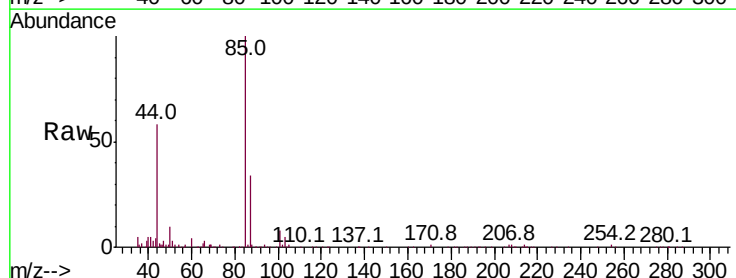
Acq: 24 May 2019 14:42

Tgt Ion: 85 Resp: 162358

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

50000

40000

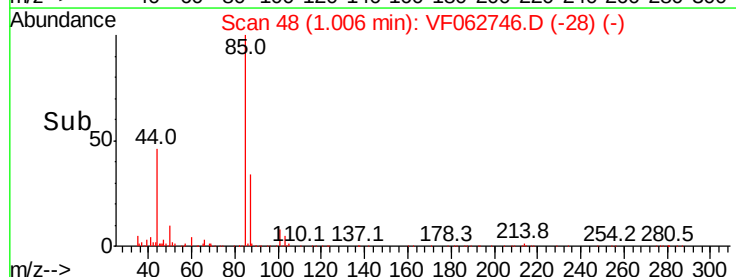
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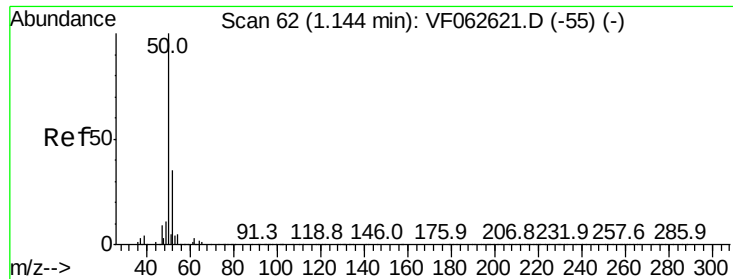
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20

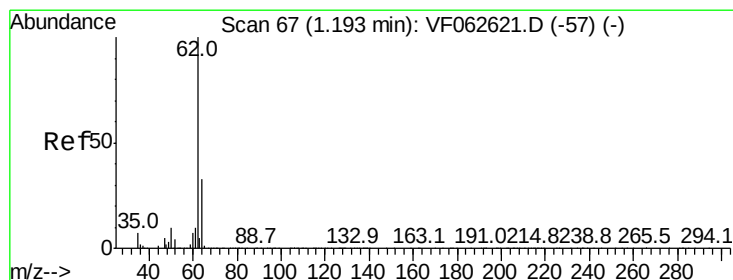
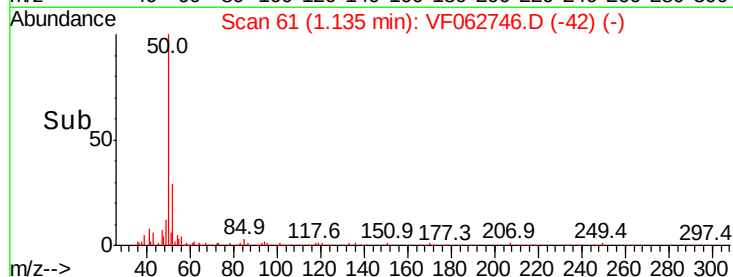
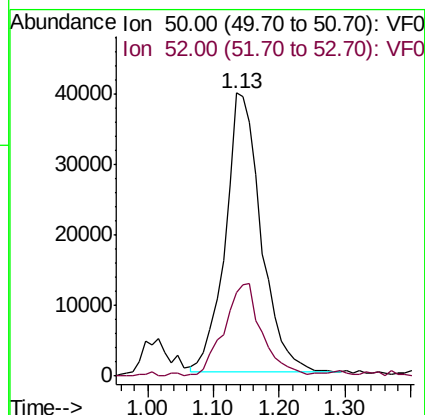
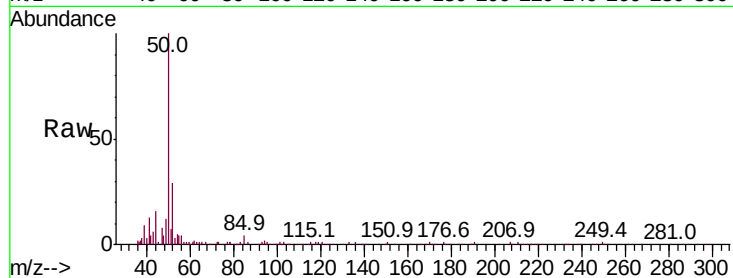




#3
Chloromethane
Concen: 17.324 ug/l
RT: 1.13 min Scan# 61
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

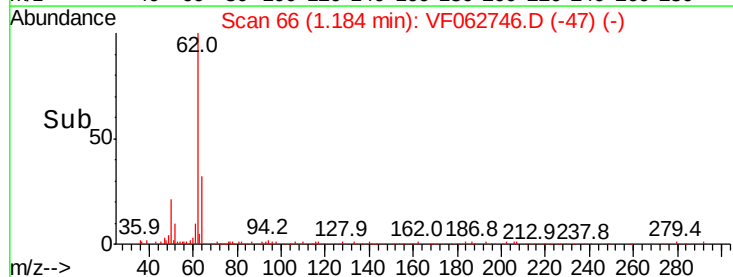
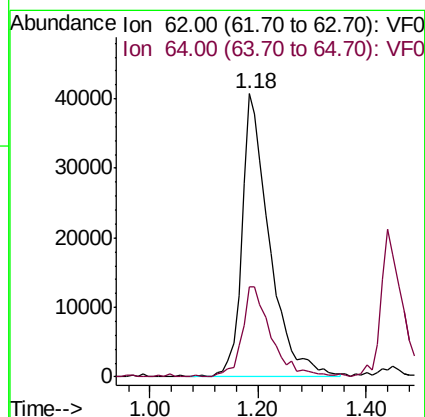
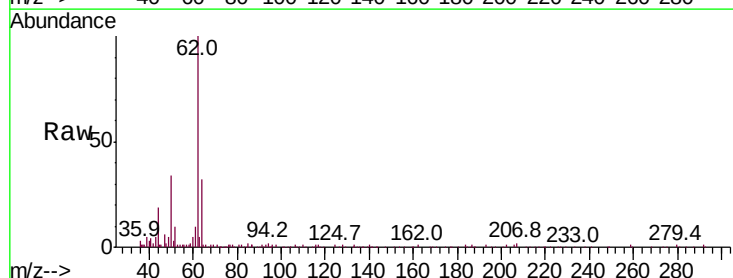
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

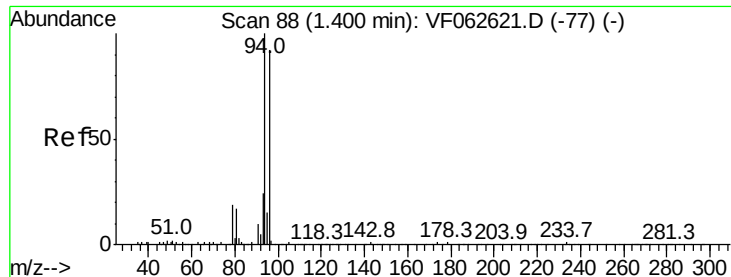
Tot Ion: 50 Resp: 150378
Ion Ratio Lower Upper
50 100
52 29.5 27.5 41.3



#4
Vinyl Chloride
Concen: 18.017 ug/l
RT: 1.18 min Scan# 66
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 62 Resp: 143963
Ion Ratio Lower Upper
62 100
64 31.9 26.7 40.1





#5

Bromomethane

Concen: 18.449 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

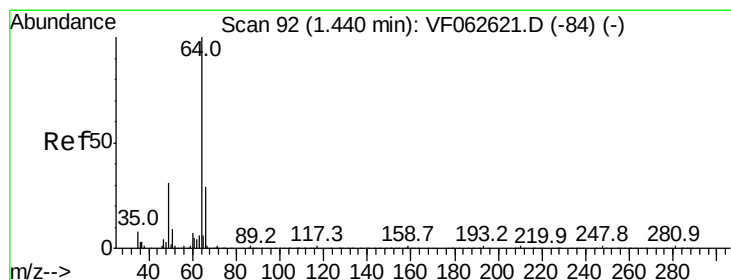
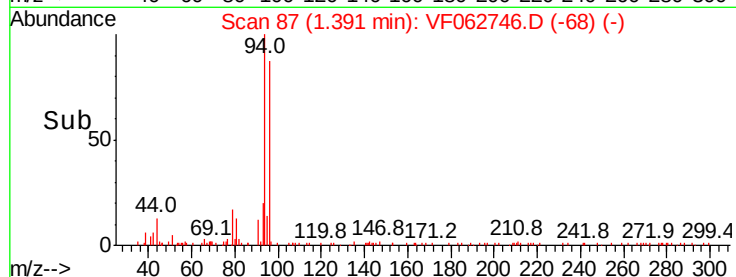
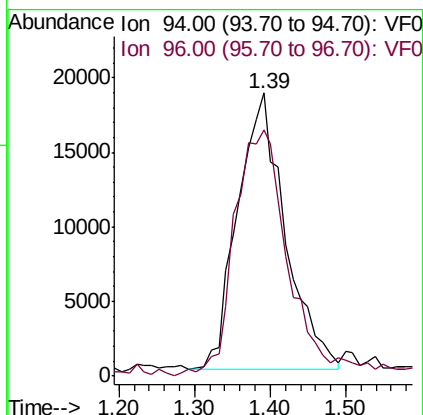
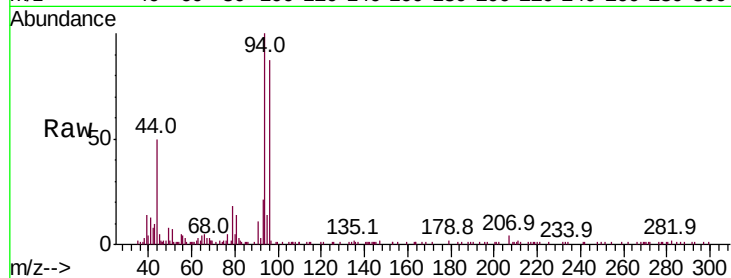
VF0524SBS01

Tot Ion: 94 Resp: 80644

Ion Ratio Lower Upper

94 100

96 87.0 73.2 109.8



#6

Chloroethane

Concen: 19.539 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062746.D

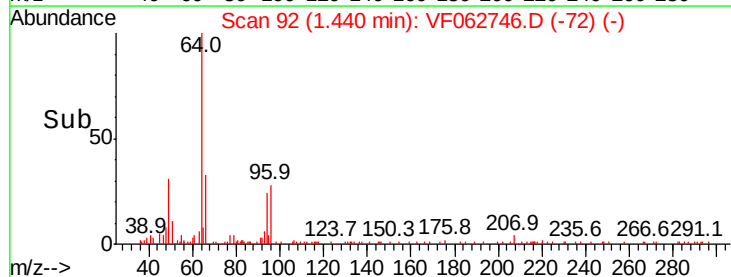
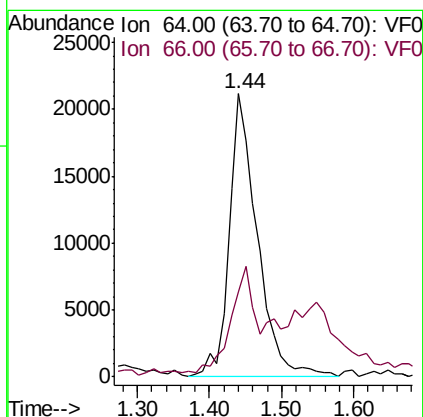
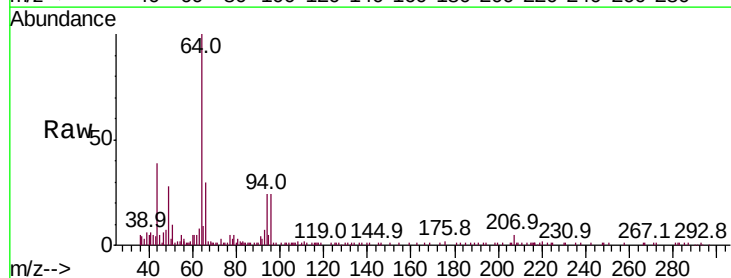
Acq: 24 May 2019 14:42

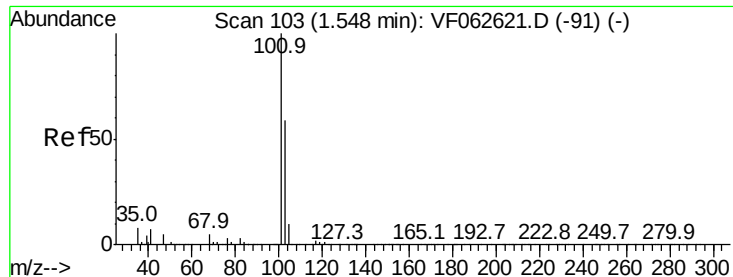
Tgt Ion: 64 Resp: 57337

Ion Ratio Lower Upper

64 100

66 29.9 23.4 35.2



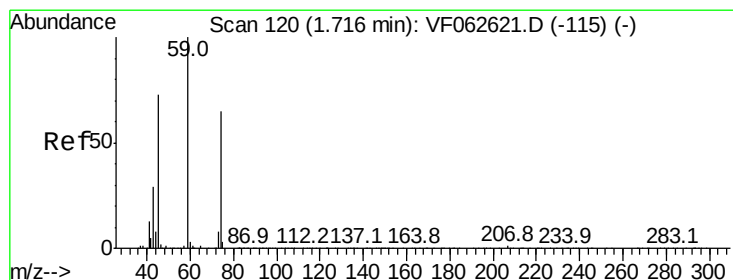
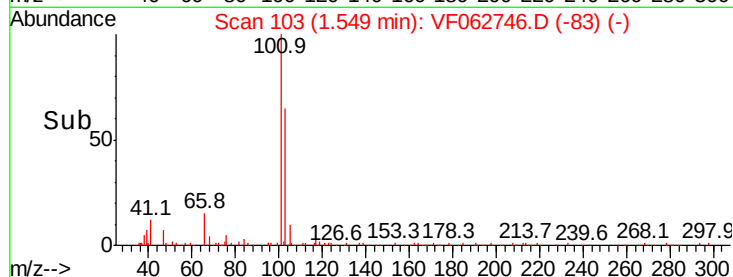
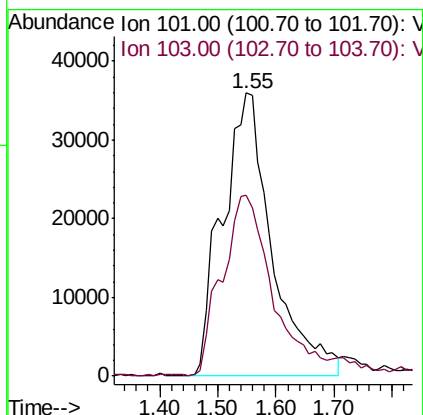
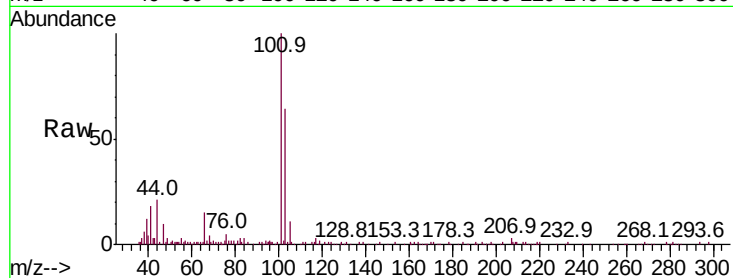


#7

Trichlorofluoromethane
Concen: 19.987 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

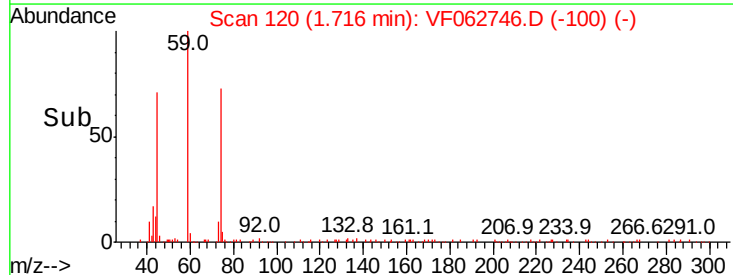
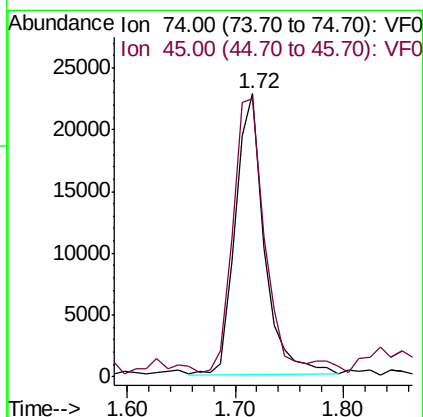
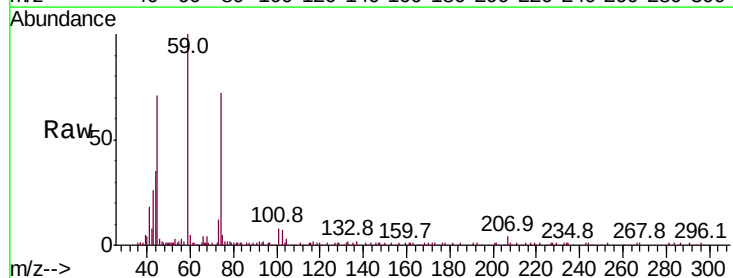
Tot Ion:101 Resp: 214436
Ion Ratio Lower Upper
101 100
103 64.1 47.3 70.9

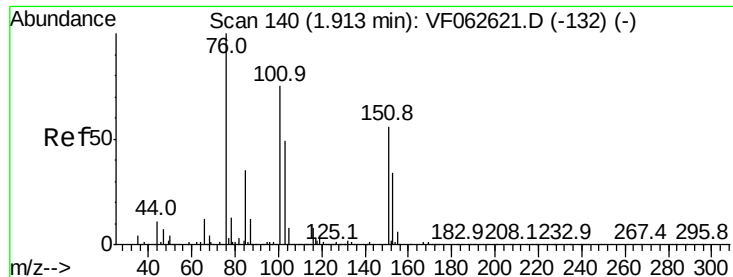


#8

Diethyl Ether
Concen: 20.018 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 74 Resp: 42546
Ion Ratio Lower Upper
74 100
45 98.4 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.287 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

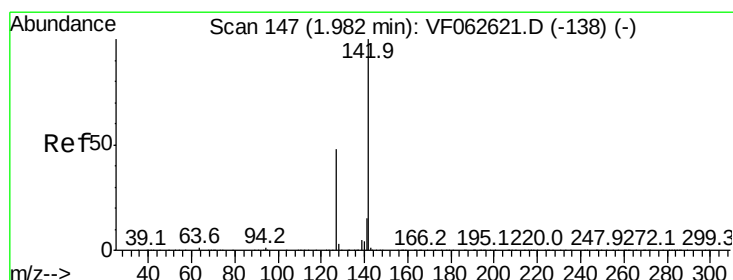
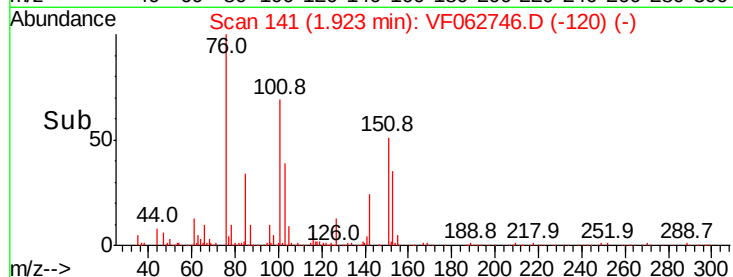
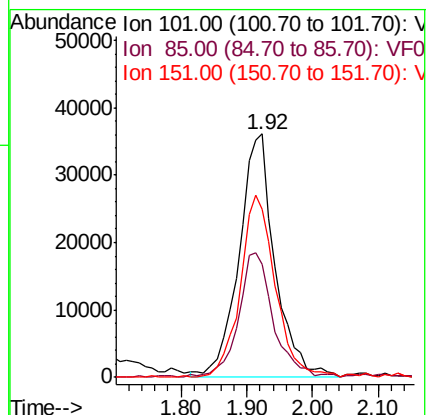
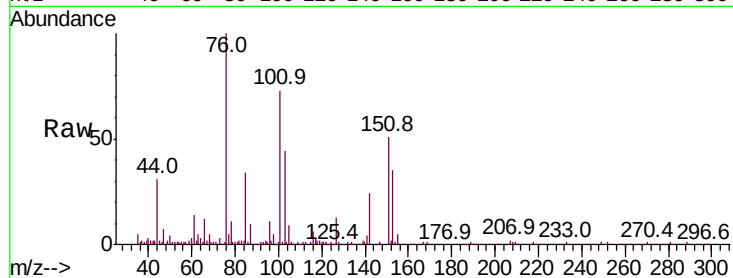
Tot Ion:101 Resp: 138590

Ion Ratio Lower Upper

101 100

85 46.3 37.1 55.7

151 69.3 58.8 88.2



#10

Methyl Iodide

Concen: 19.970 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

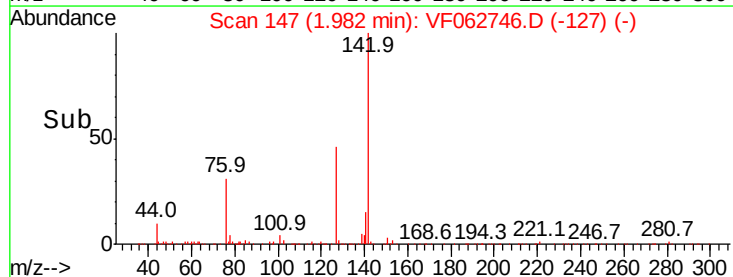
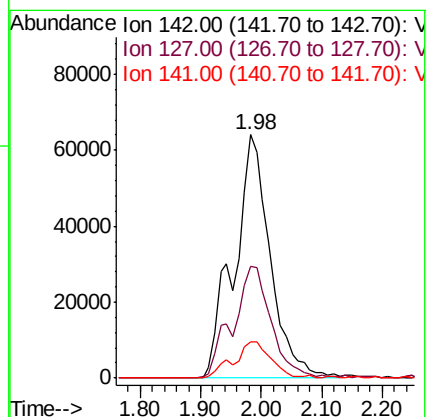
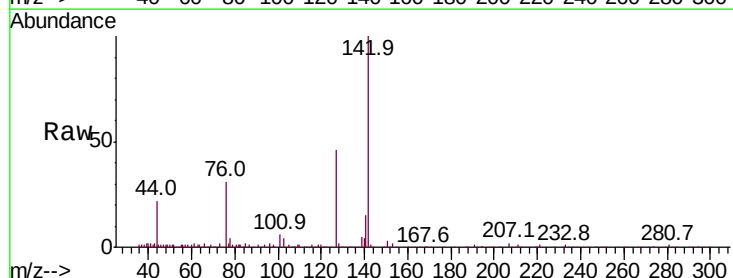
Tgt Ion:142 Resp: 268000

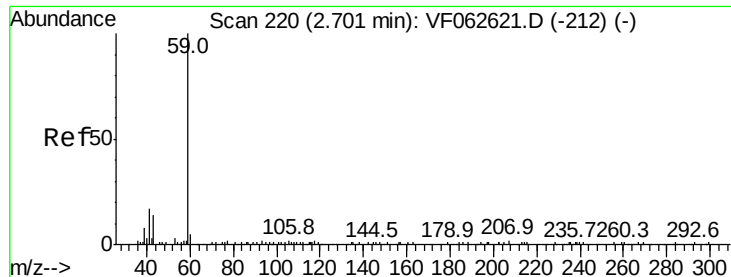
Ion Ratio Lower Upper

142 100

127 45.9 38.1 57.1

141 14.7 11.7 17.5

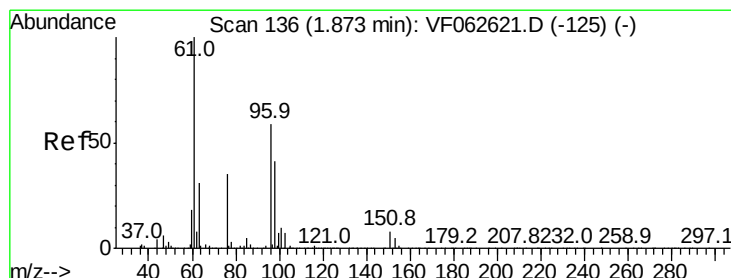
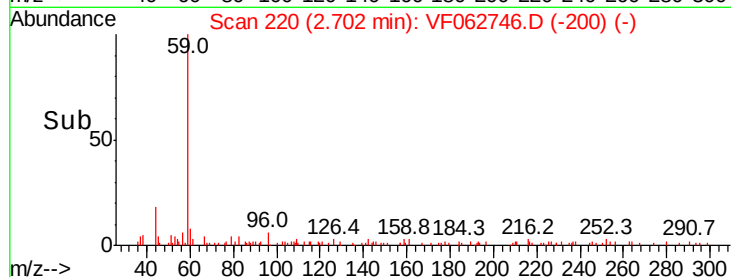
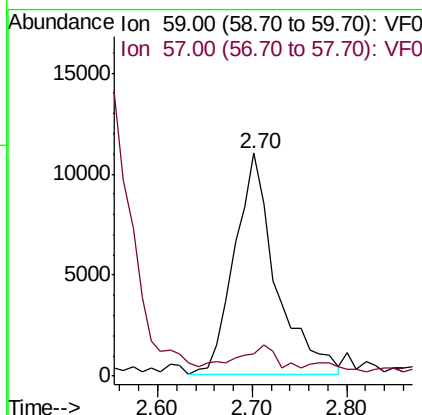
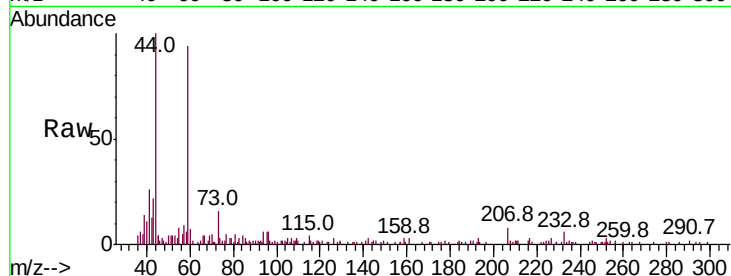




#11
Tert butyl alcohol
Concen: 102.336 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

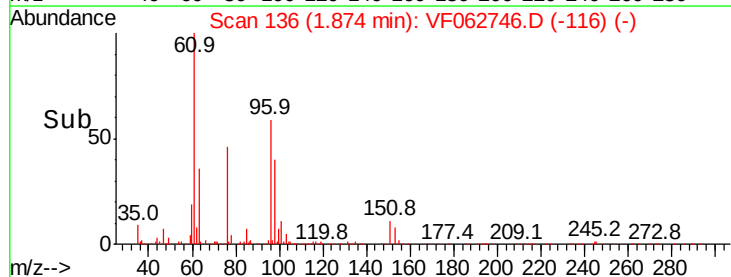
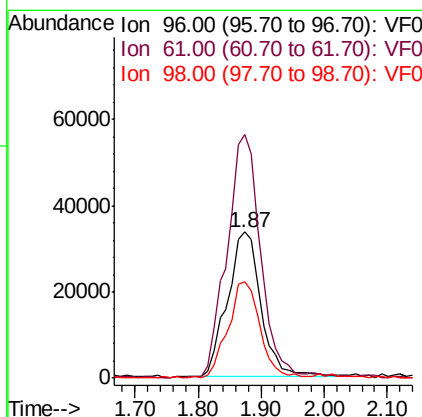
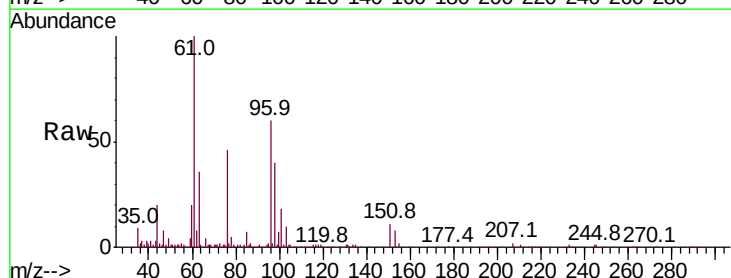
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

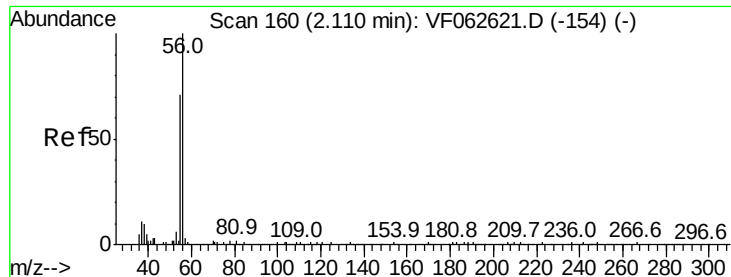
Tot Ion: 59 Resp: 33074
Ion Ratio Lower Upper
59 100
57 9.8 9.3 13.9



#12
1,1-Dichloroethene
Concen: 19.813 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 96 Resp: 123300
Ion Ratio Lower Upper
96 100
61 166.9 134.3 201.5
98 66.4 55.0 82.6





#13

Acrolein

Concen: 84.369 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

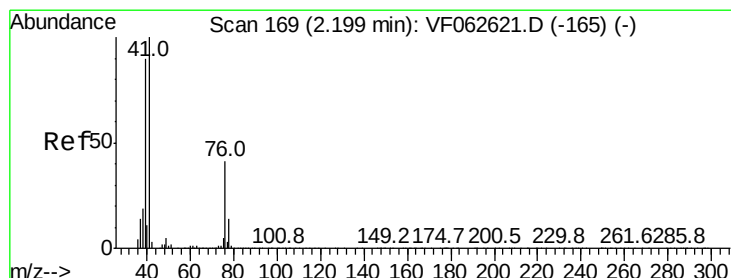
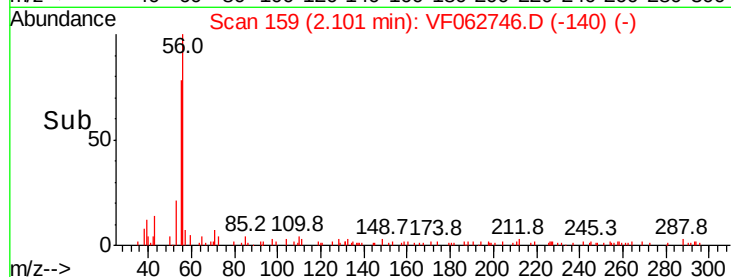
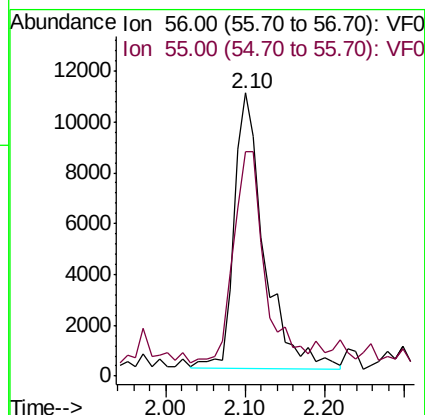
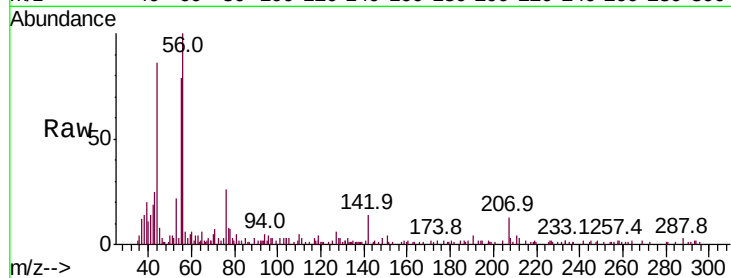
VF0524SBSD01

Tot Ion: 56 Resp: 28463

Ion Ratio Lower Upper

56 100

55 79.1 59.4 89.0



#14

Allyl chloride

Concen: 21.012 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

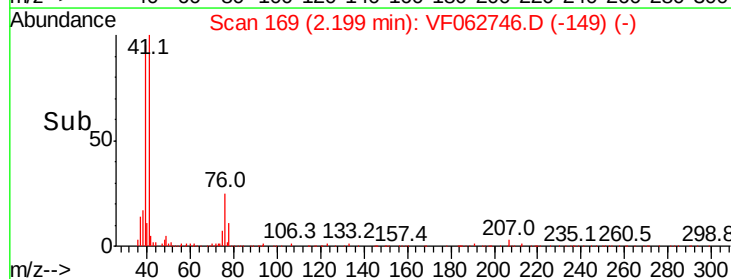
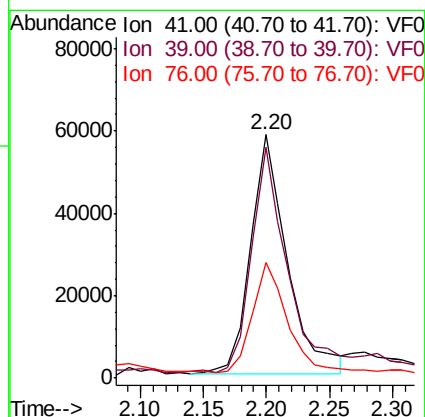
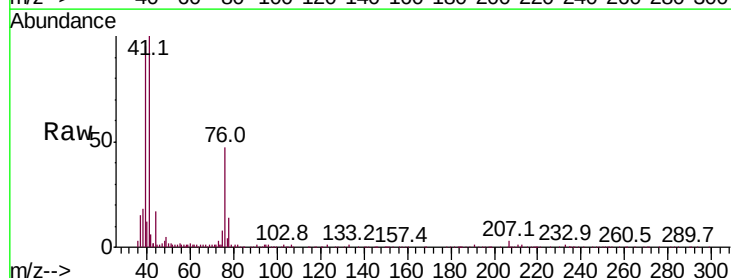
Tgt Ion: 41 Resp: 118344

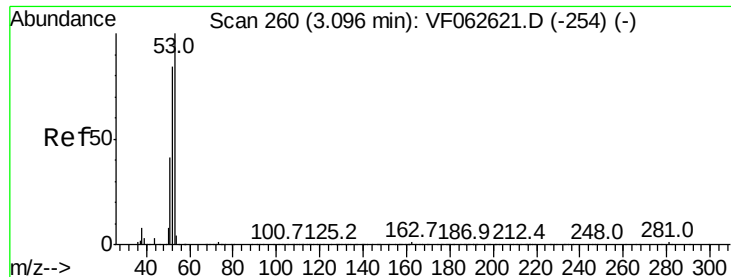
Ion Ratio Lower Upper

41 100

39 94.8 72.0 108.0

76 47.4 34.8 52.2





#15

Acrylonitrile

Concen: 143.956 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

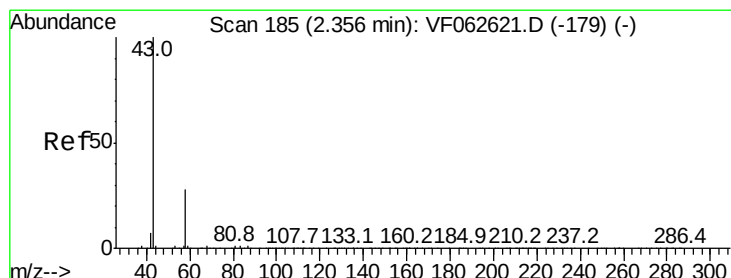
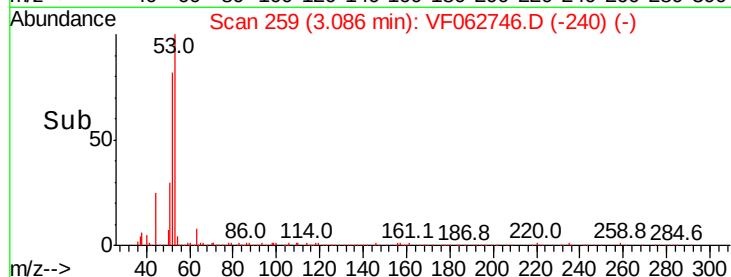
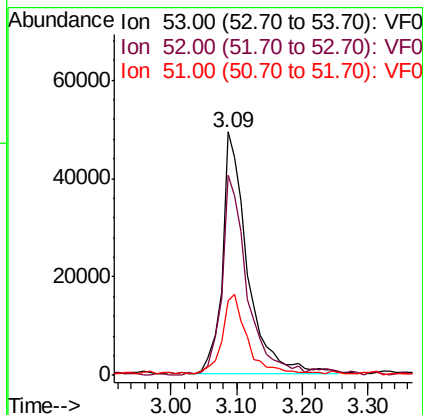
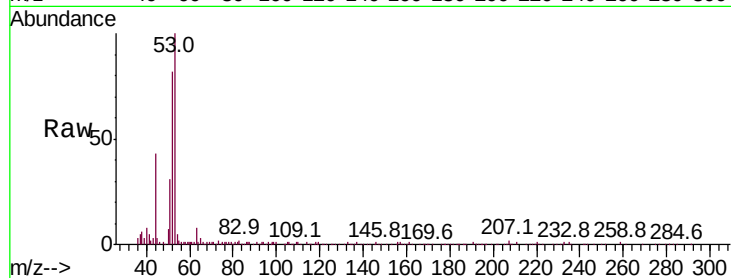
Tot Ion: 53 Resp: 131239

Ion Ratio Lower Upper

53 100

52 82.4 67.3 100.9

51 30.8 33.0 49.6#



#16

Acetone

Concen: 81.056 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062746.D

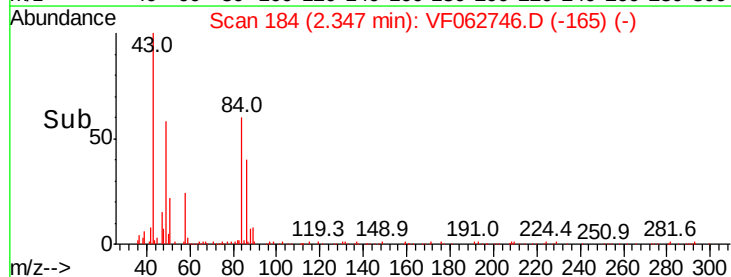
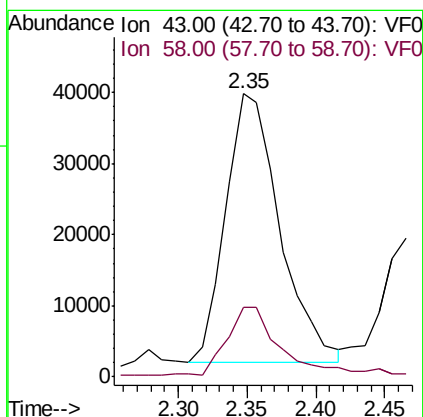
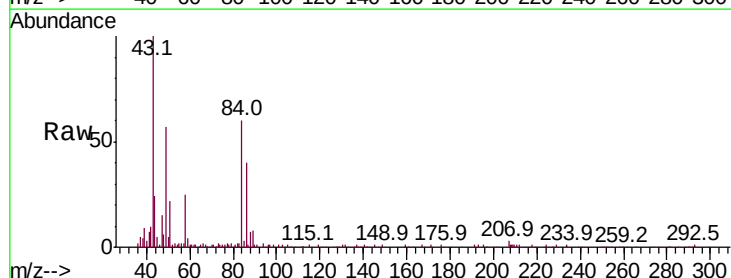
Acq: 24 May 2019 14:42

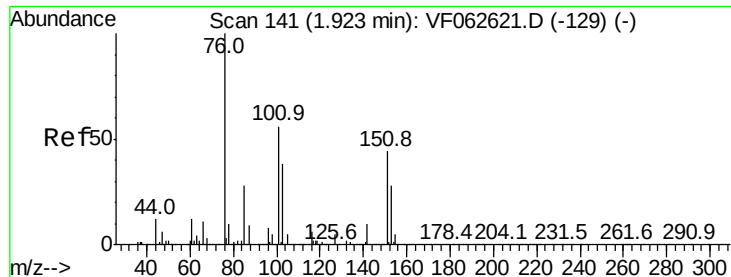
Tgt Ion: 43 Resp: 102941

Ion Ratio Lower Upper

43 100

58 24.7 22.6 33.8





#17

Carbon Disulfide

Concen: 19.477 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

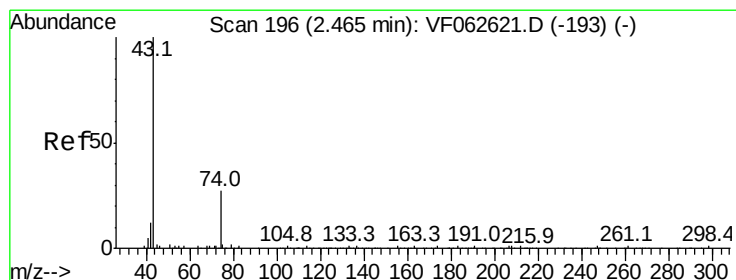
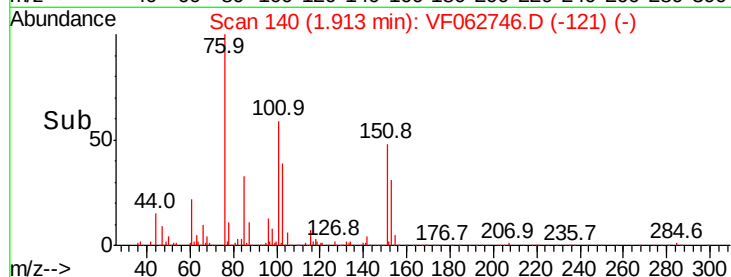
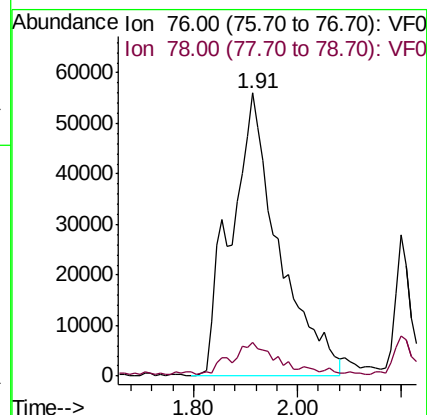
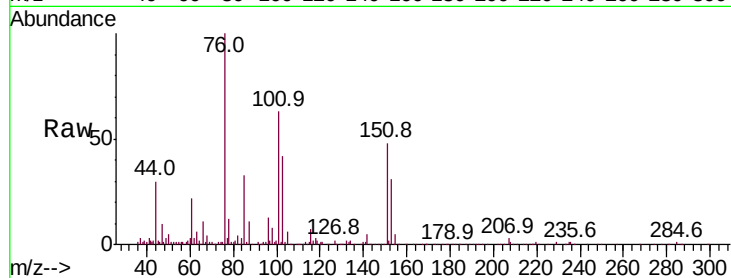
VF0524SBSD01

Tot Ion: 76 Resp: 359259

Ion Ratio Lower Upper

76 100

78 11.7 8.4 12.6



#18

Methyl Acetate

Concen: 20.886 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062746.D

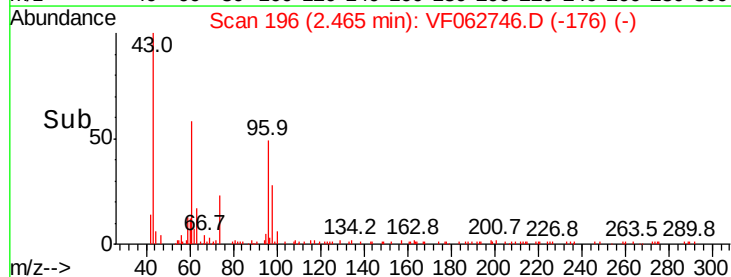
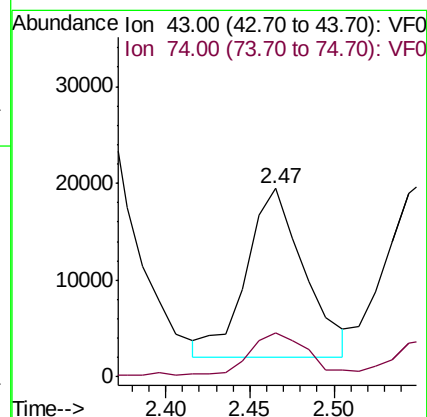
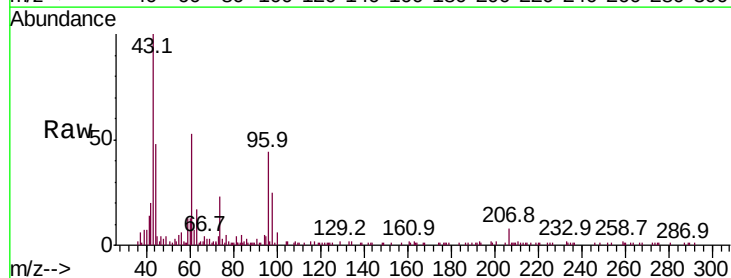
Acq: 24 May 2019 14:42

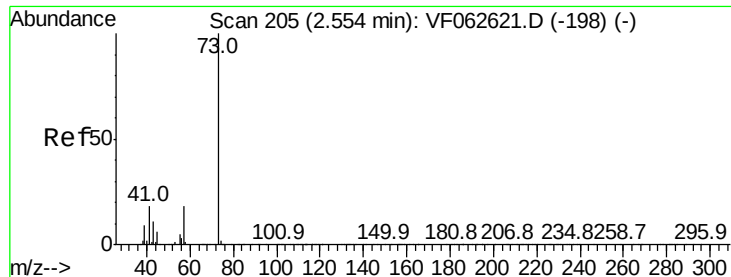
Tgt Ion: 43 Resp: 41683

Ion Ratio Lower Upper

43 100

74 23.2 18.9 28.3

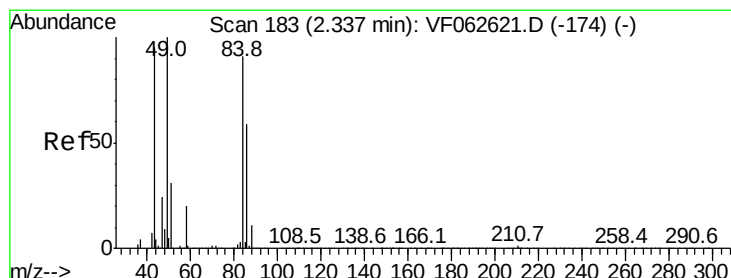
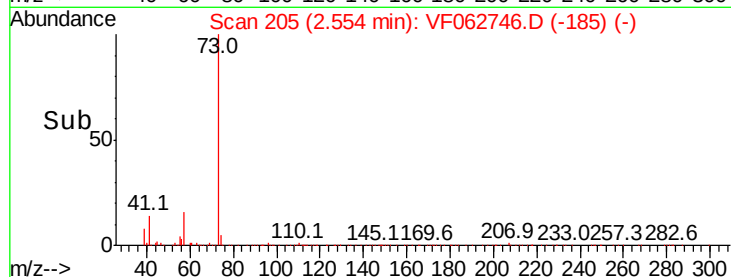
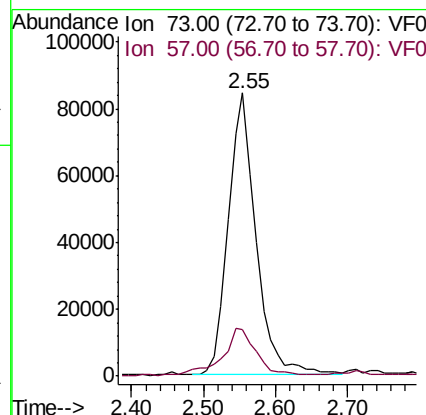
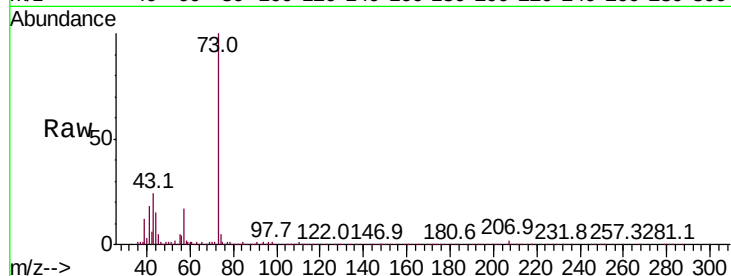




#19
Methyl tert-butyl Ether
Concen: 20.074 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

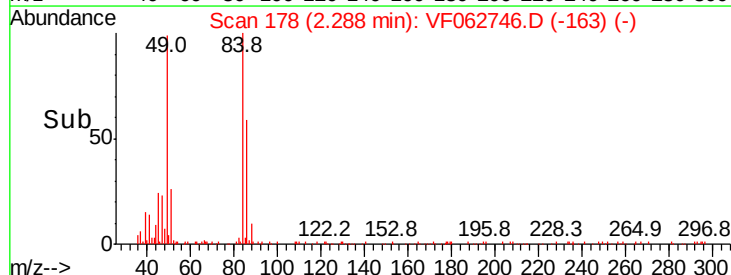
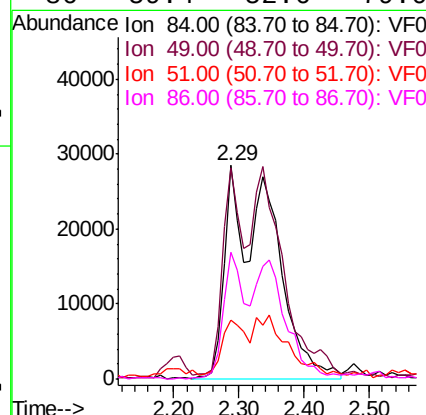
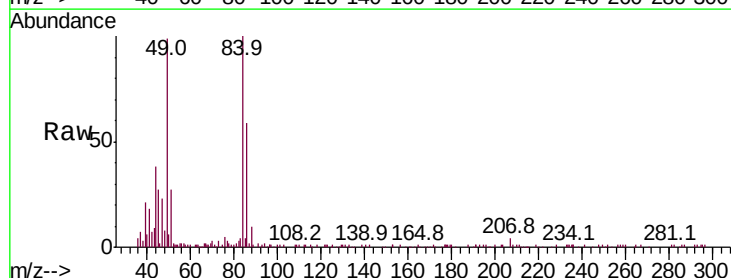
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

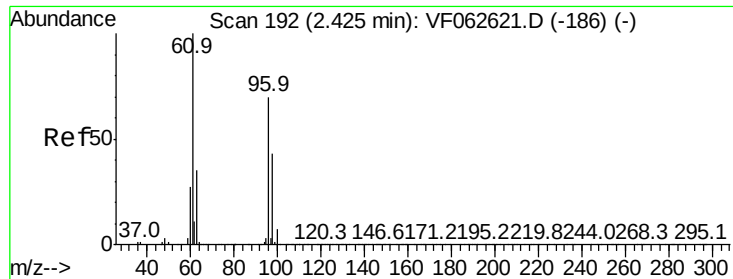
Tot Ion: 73 Resp: 223322
Ion Ratio Lower Upper
73 100
57 16.5 14.2 21.4



#20
Methylene Chloride
Concen: 22.448 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 84 Resp: 142901
Ion Ratio Lower Upper
84 100
49 98.8 89.8 134.8
51 27.5 28.4 42.6#
86 59.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.796 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

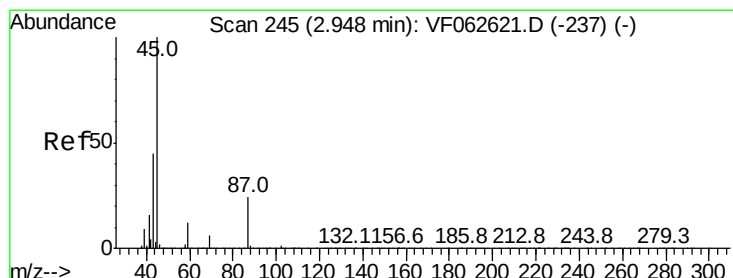
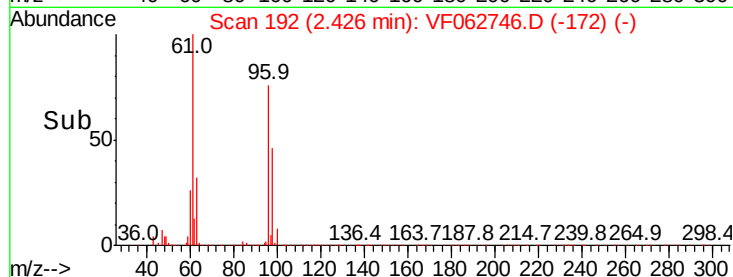
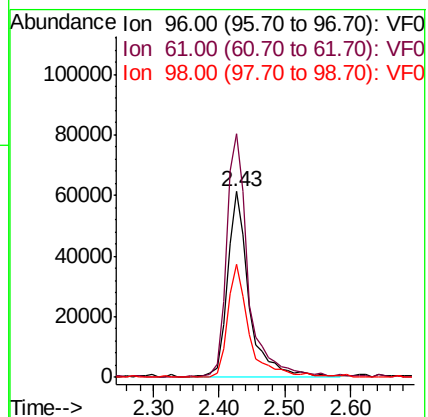
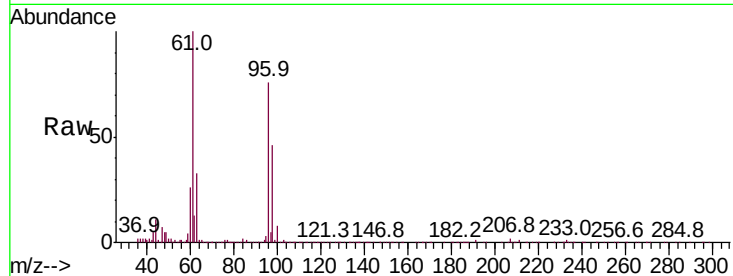
Tot Ion: 96 Resp: 138658

Ion Ratio Lower Upper

96 100

61 131.2 114.6 171.8

98 60.6 49.5 74.3



#22

Diisopropyl ether

Concen: 20.470 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Tgt Ion: 45 Resp: 284357

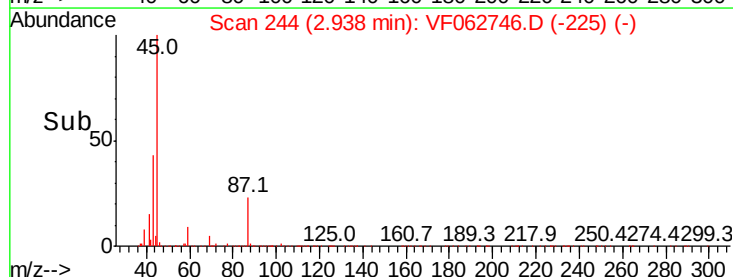
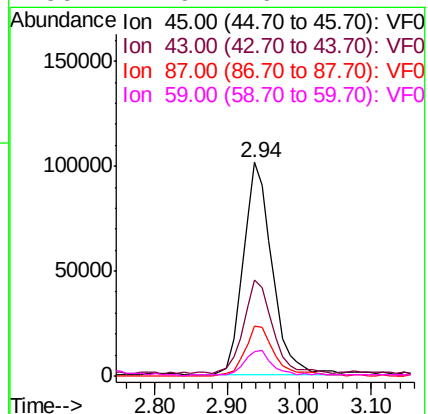
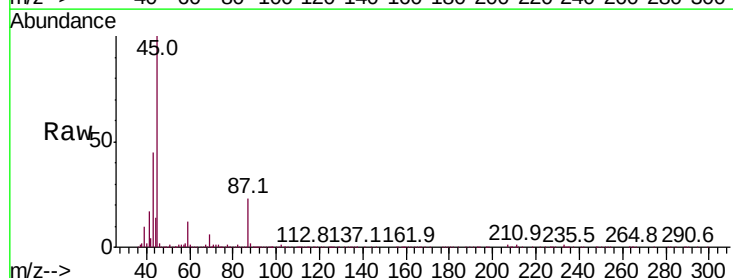
Ion Ratio Lower Upper

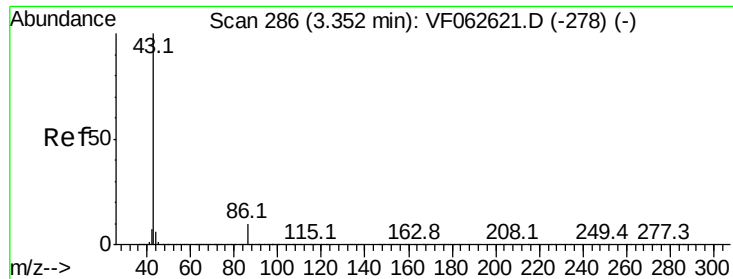
45 100

43 44.9 36.4 54.6

87 23.1 19.3 28.9

59 11.6 9.4 14.2





#23

Vinyl Acetate

Concen: 96.899 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

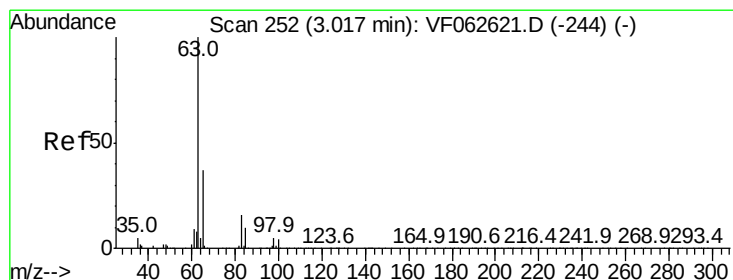
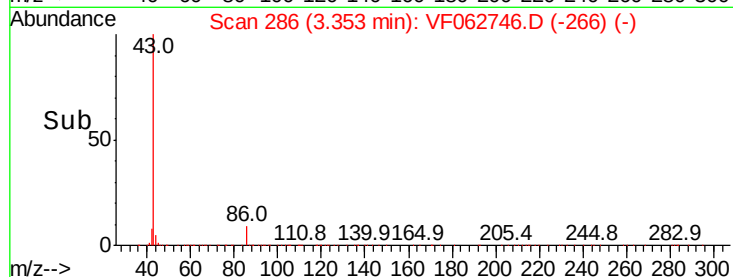
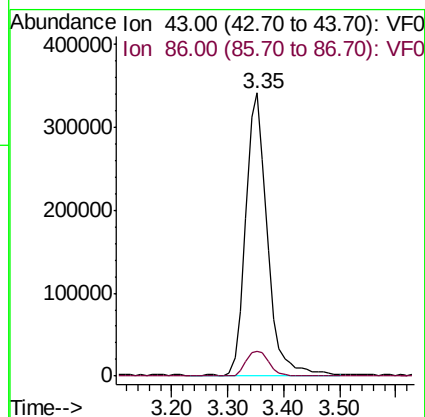
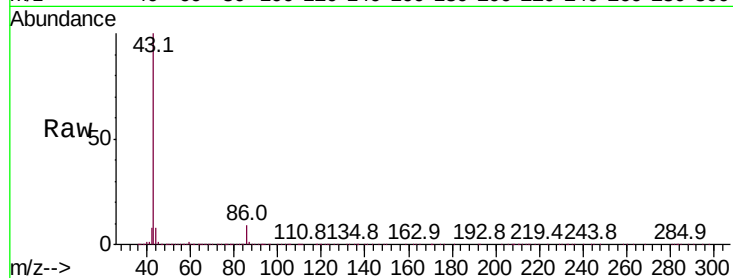
VF0524SBS01

Tot Ion: 43 Resp: 908010

Ion Ratio Lower Upper

43 100

86 8.8 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.920 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

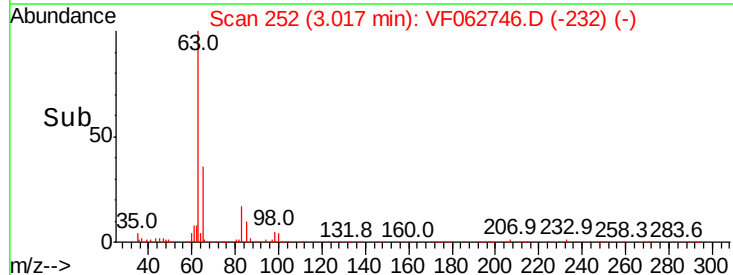
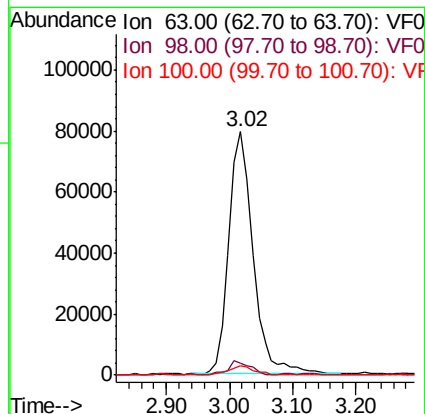
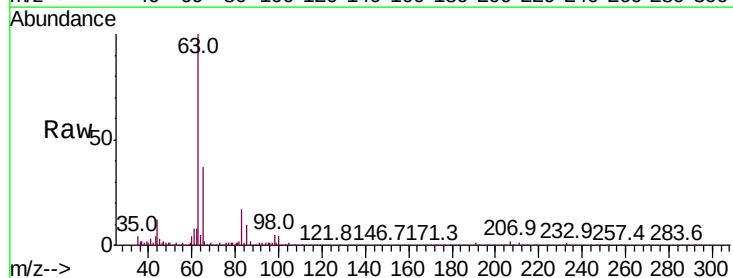
Tgt Ion: 63 Resp: 213192

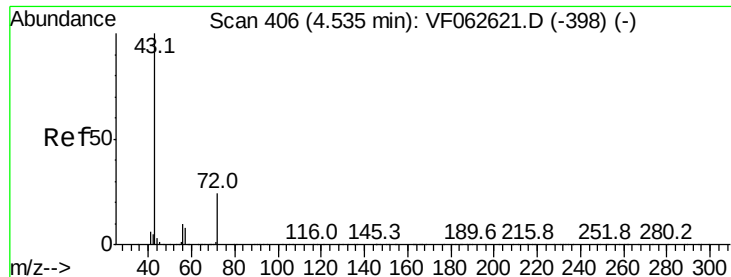
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.3

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 108.255 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

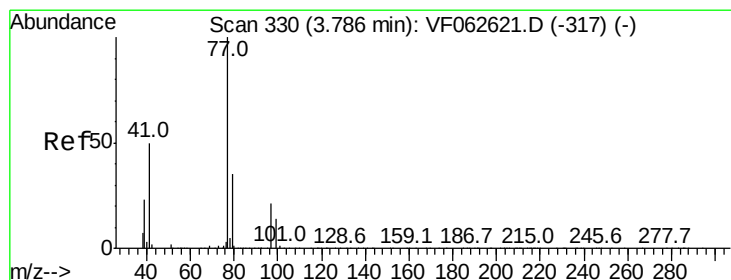
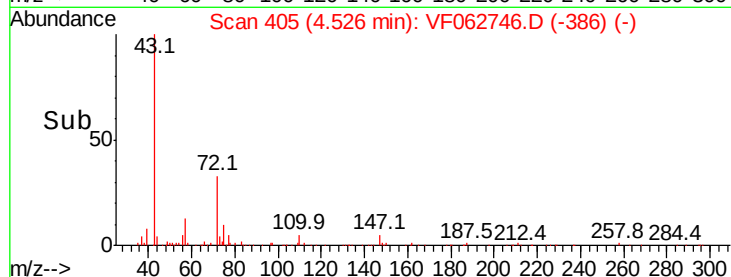
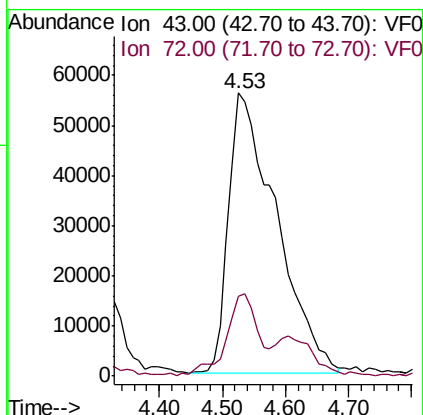
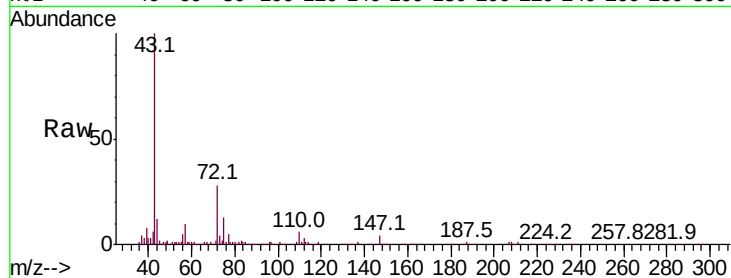
VF0524SBSD01

Tot Ion: 43 Resp: 293731

Ion Ratio Lower Upper

43 100

72 28.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 23.336 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062746.D

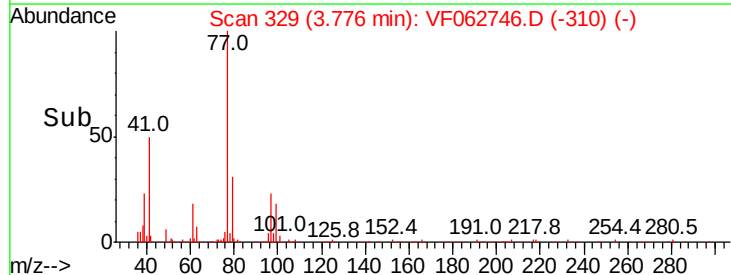
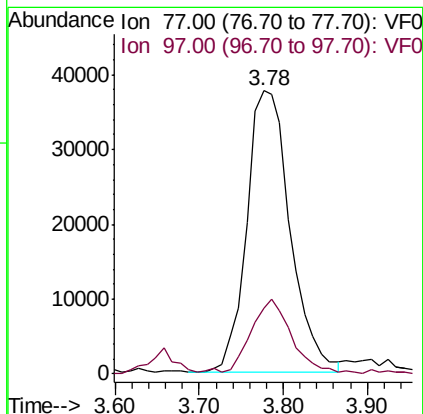
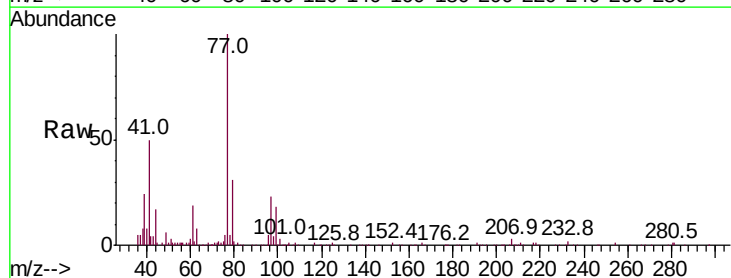
Acq: 24 May 2019 14:42

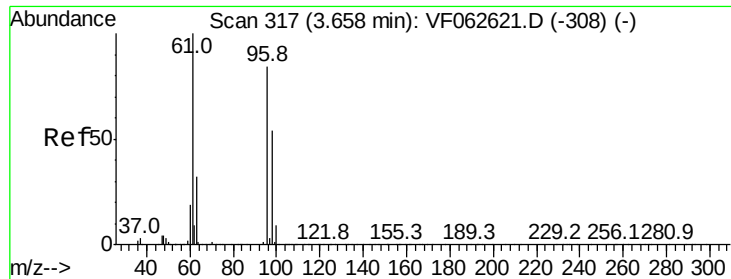
Tgt Ion: 77 Resp: 136067

Ion Ratio Lower Upper

77 100

97 23.4 14.1 42.4



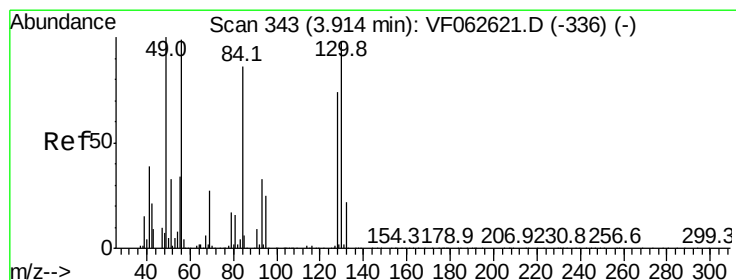
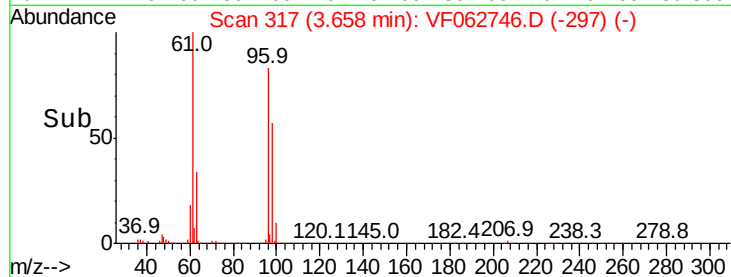
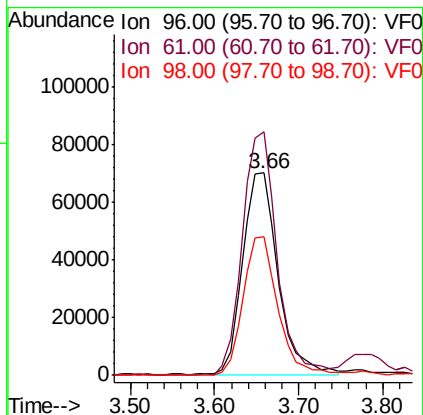
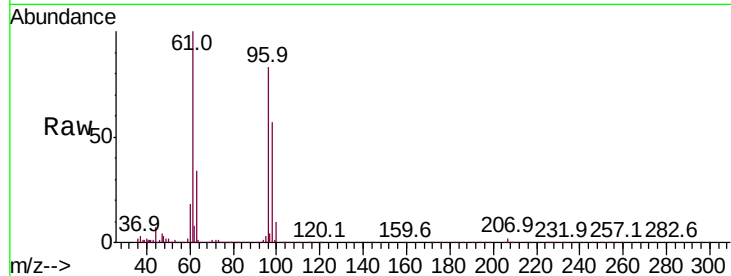


#27

cis-1,2-Dichloroethene
Concen: 20.615 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

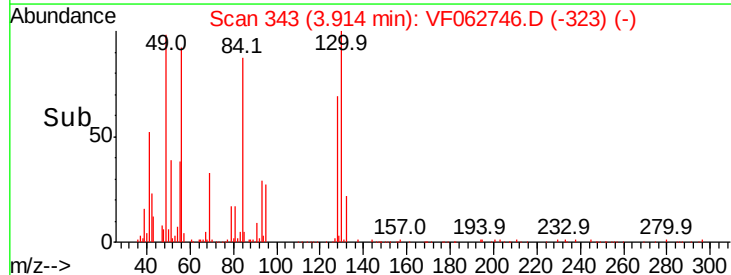
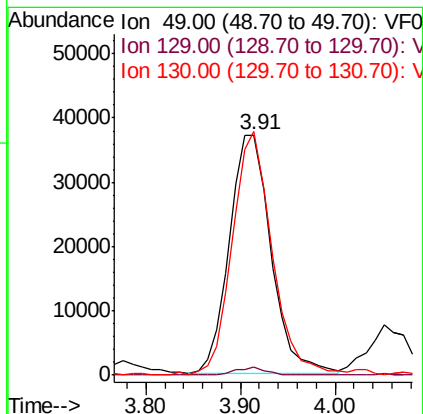
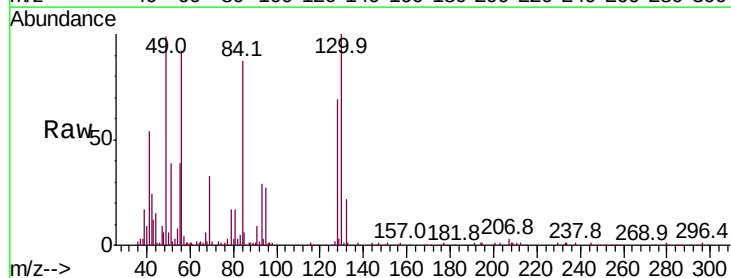
Tot Ion	Ratio	Lower	Upper
96	100		
61	120.3	0.0	237.4
98	68.3	0.0	129.0

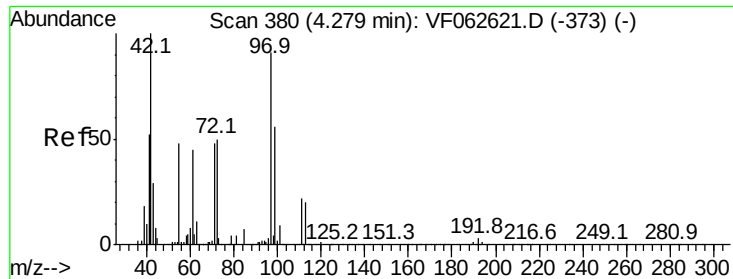


#28

Bromochloromethane
Concen: 19.729 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	4.0
130	101.4	77.8	116.8





#29

Tetrahydrofuran

Concen: 95.856 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

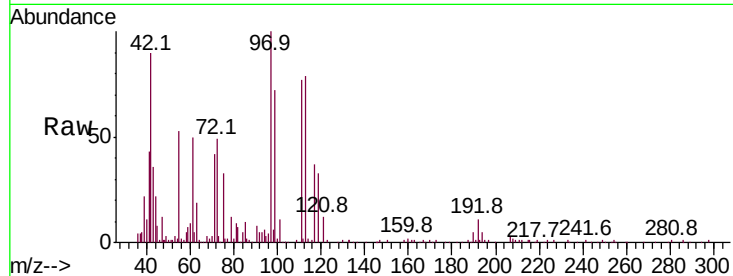
Tot Ion: 42 Resp: 105249

Ion Ratio Lower Upper

42 100

72 48.6 38.2 57.2

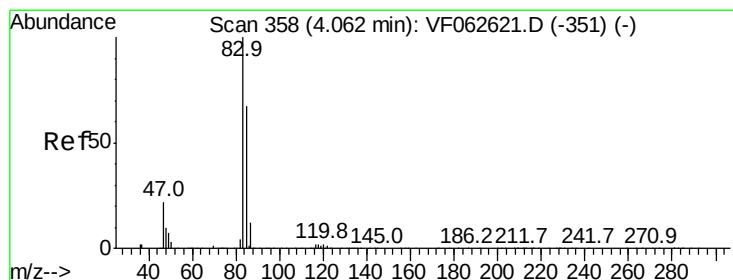
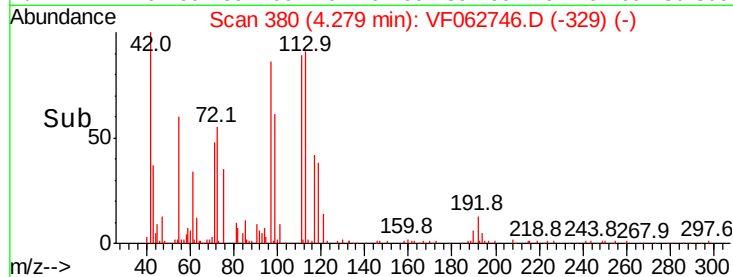
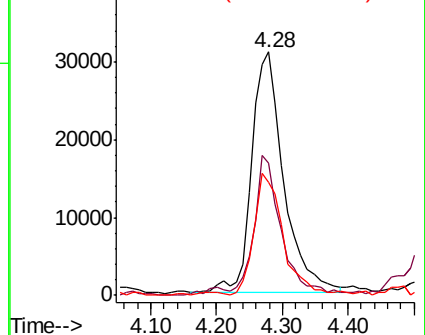
71 46.3 35.8 53.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.021 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.00 min

Lab File: VF062746.D

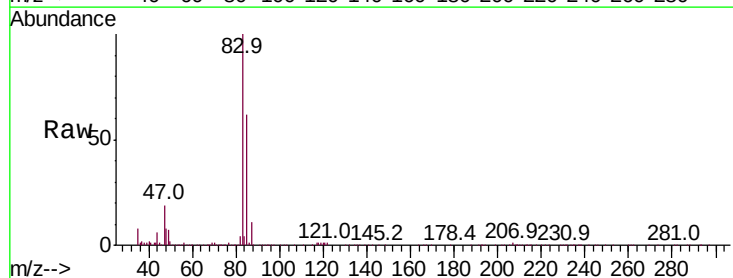
Acq: 24 May 2019 14:42

Tgt Ion: 83 Resp: 297415

Ion Ratio Lower Upper

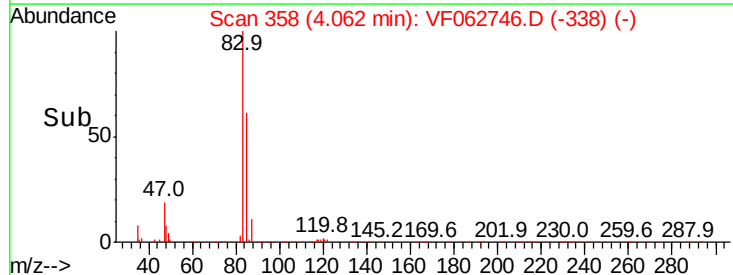
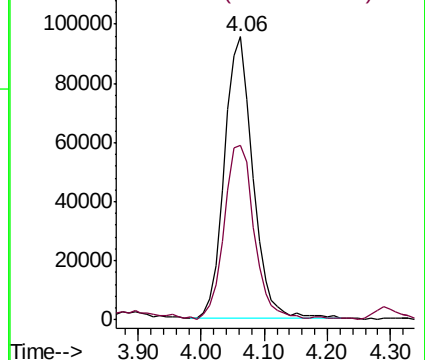
83 100

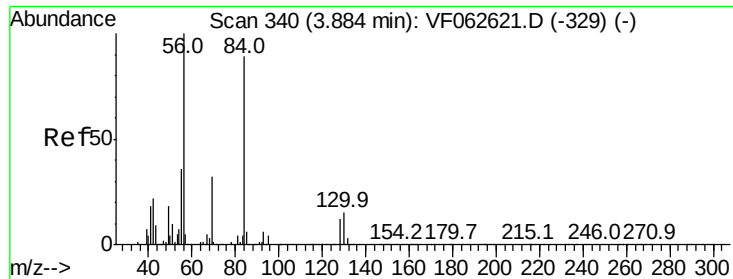
85 61.6 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

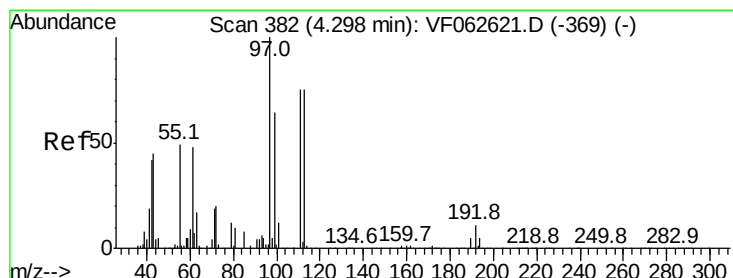
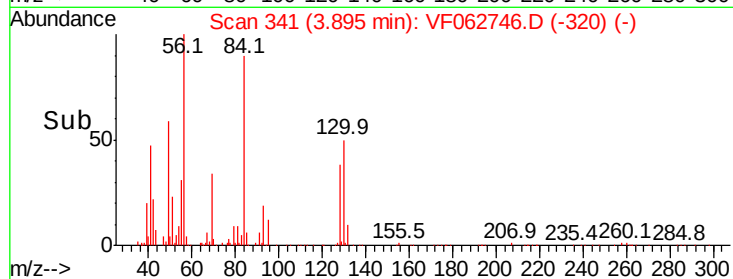
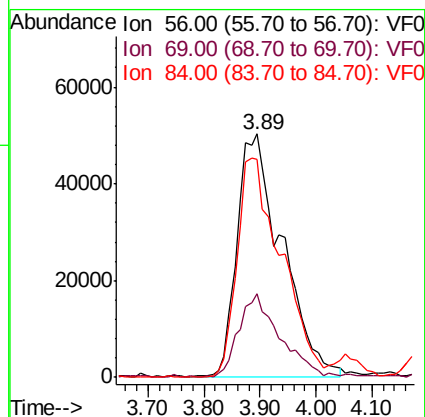
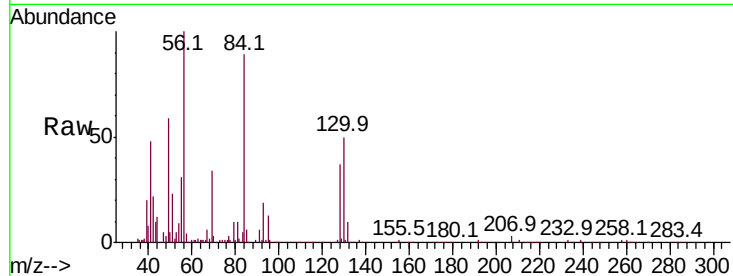




#31
Cyclohexane
Concen: 20.207 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

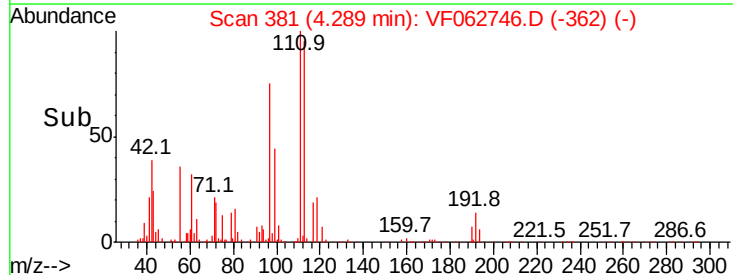
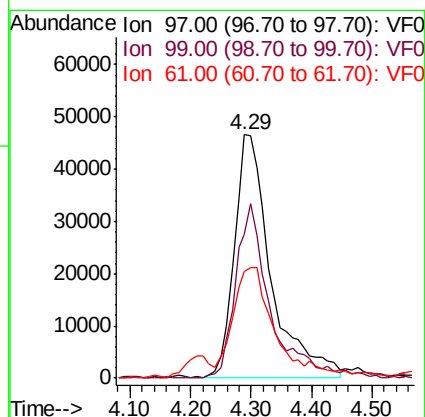
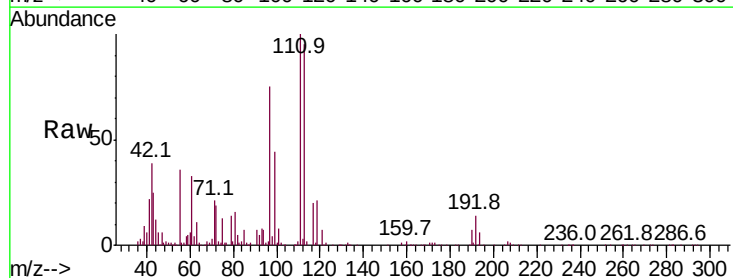
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

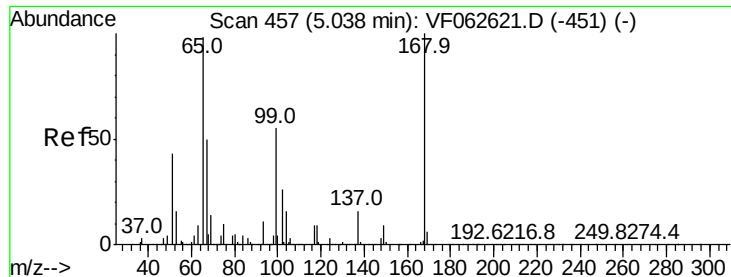
Tot Ion: 56 Resp: 276488
Ion Ratio Lower Upper
56 100
69 34.3 25.3 37.9
84 89.4 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 20.989 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 97 Resp: 197225
Ion Ratio Lower Upper
97 100
99 59.1 51.3 76.9
61 44.0 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 43.404 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

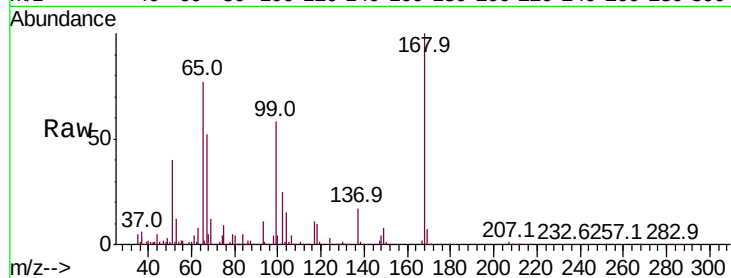
VF0524SBS01

Tot Ion: 65 Resp: 212473

Ion Ratio Lower Upper

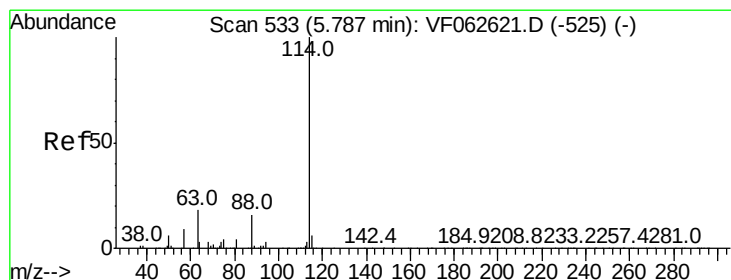
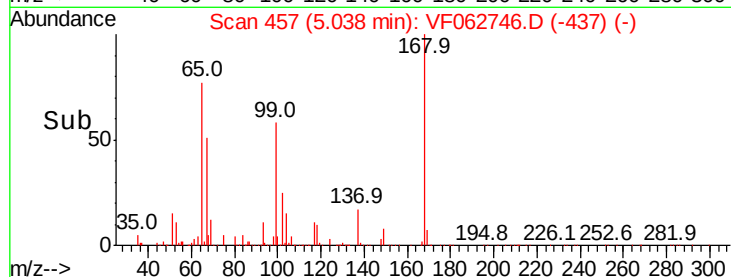
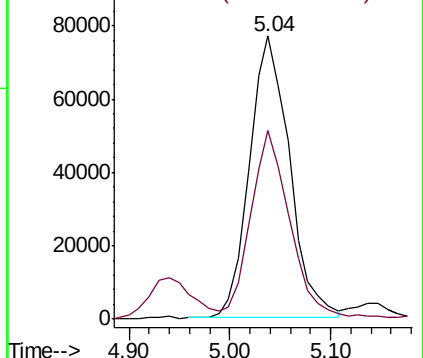
65 100

67 66.6 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

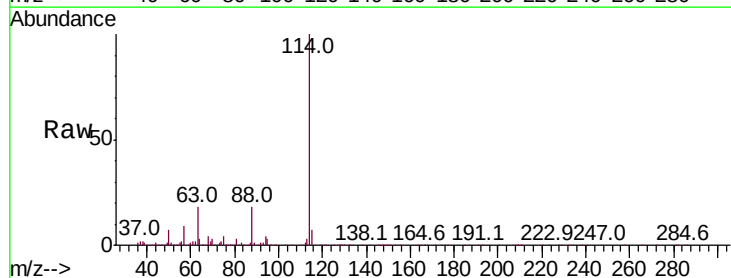
Tgt Ion: 114 Resp: 1157480

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

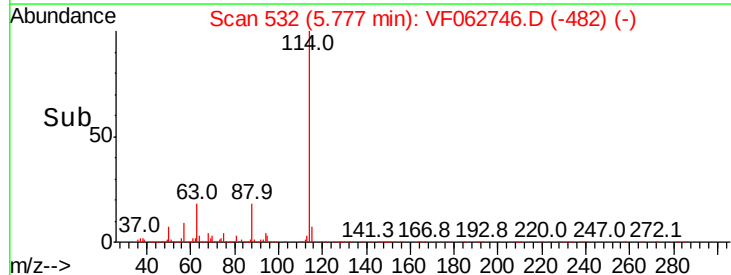
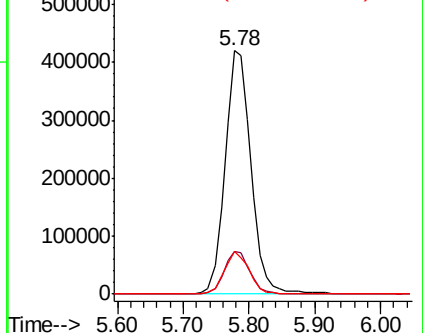
88 17.7 0.0 32.4

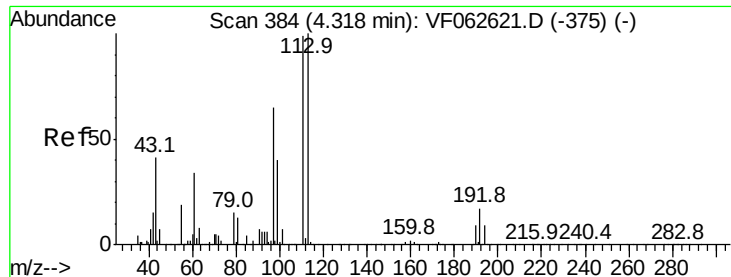


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.296 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

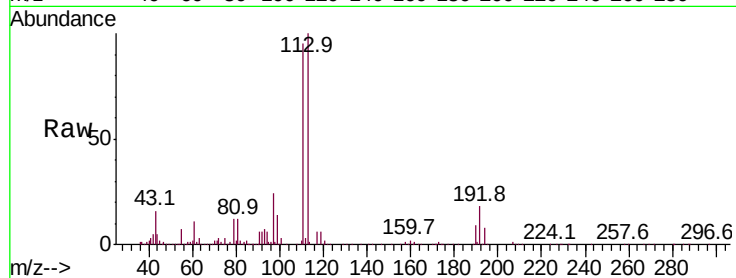
Tot Ion:113 Resp: 418904

Ion Ratio Lower Upper

113 100

111 94.2 79.4 119.2

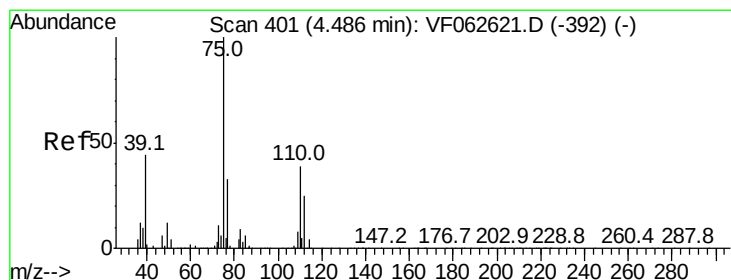
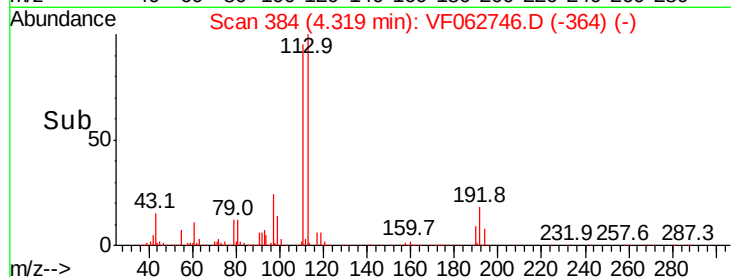
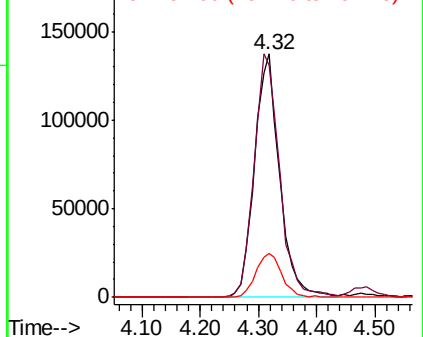
192 18.1 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 18.718 ug/l

RT: 4.49 min Scan# 401

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

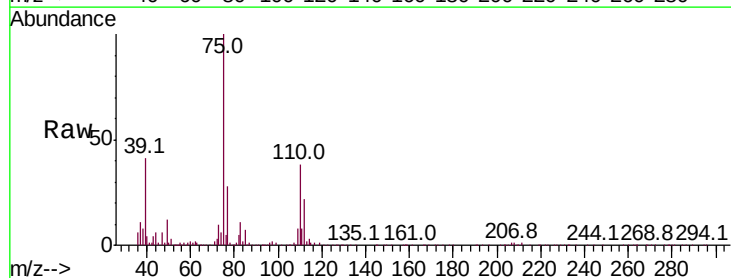
Tgt Ion: 75 Resp: 222007

Ion Ratio Lower Upper

75 100

110 37.9 19.7 59.1

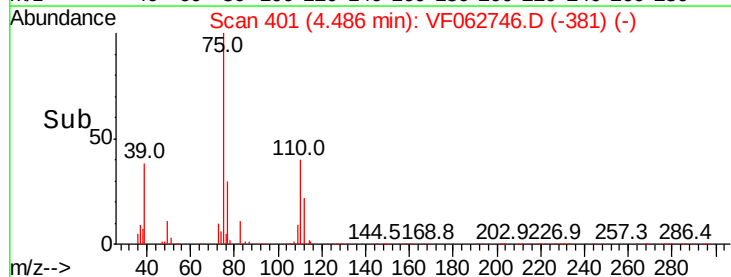
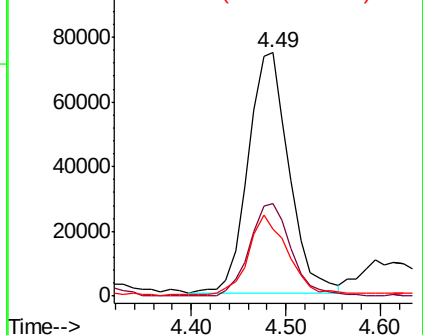
77 27.7 26.3 39.5

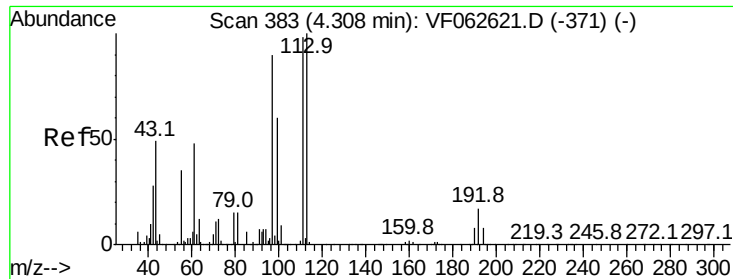


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

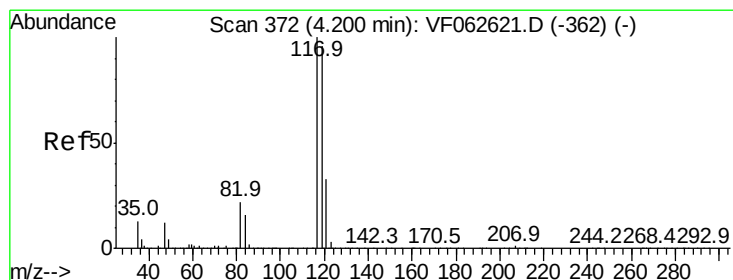
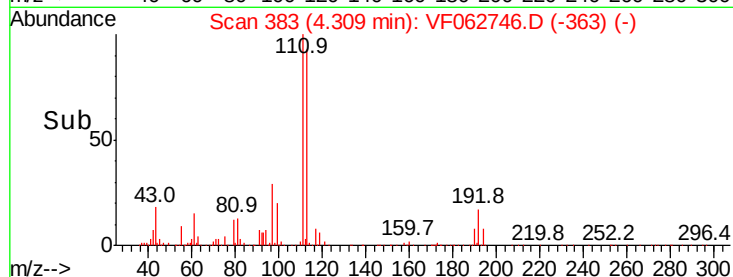
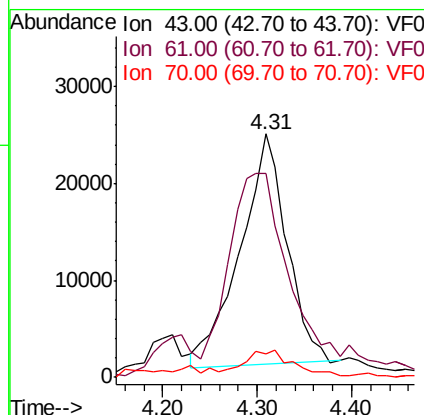
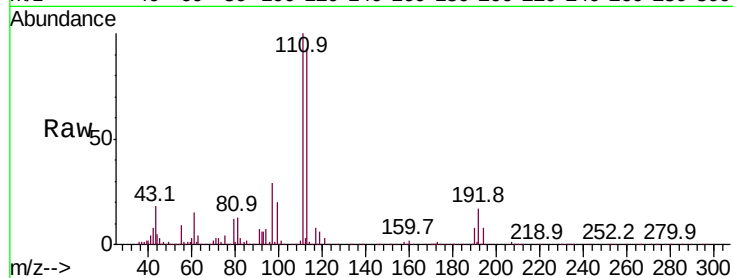




#37
Ethyl Acetate
Concen: 16.746 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

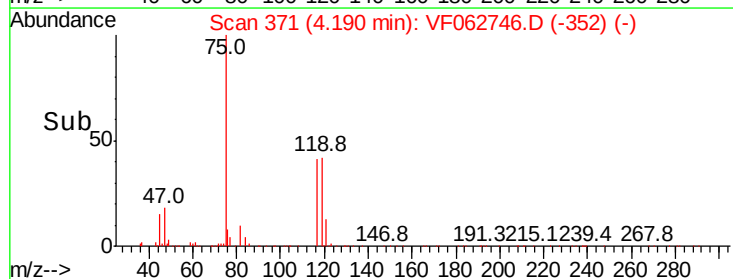
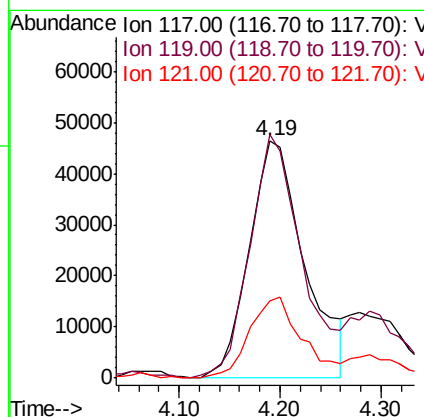
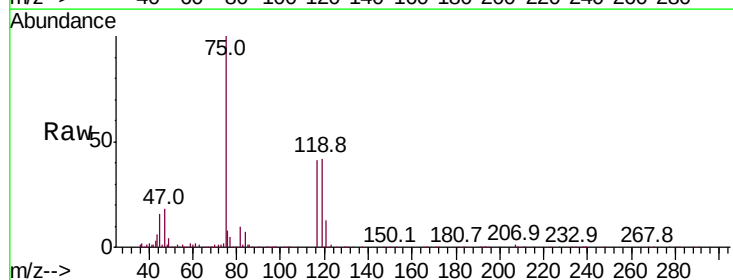
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

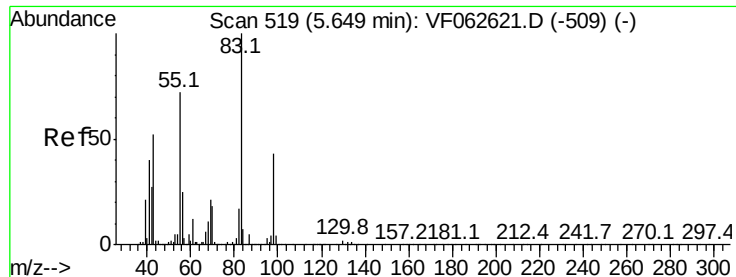
Tot Ion: 43 Resp: 81094
Ion Ratio Lower Upper
43 100
61 83.8 76.9 115.3
70 9.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.643 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 117 Resp: 175213
Ion Ratio Lower Upper
117 100
119 102.5 76.7 115.1
121 32.3 26.6 40.0





#39

Methylcyclohexane

Concen: 21.184 ug/l

RT: 5.64 min Scan# 518

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

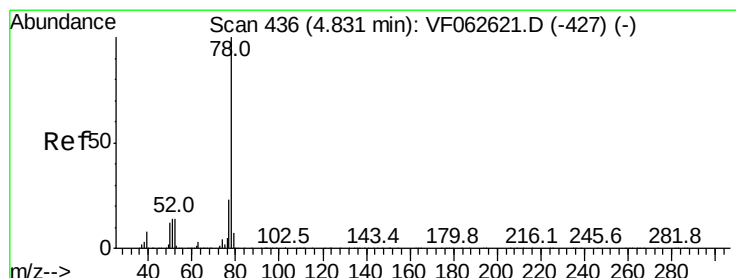
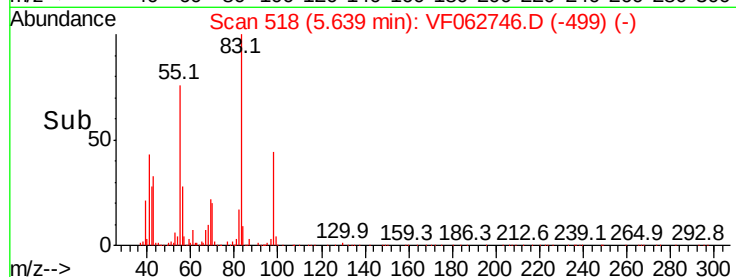
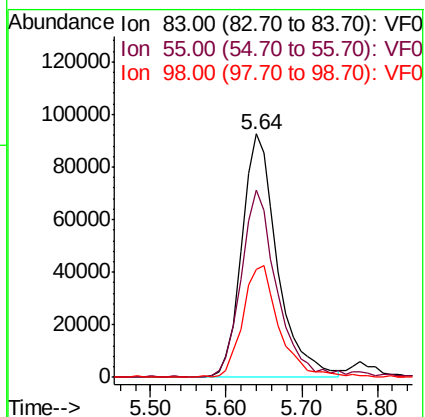
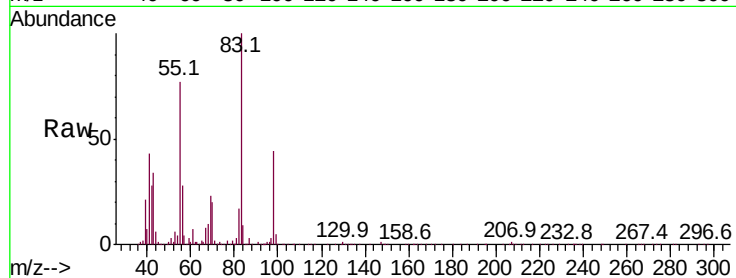
Tot Ion: 83 Resp: 302318

Ion Ratio Lower Upper

83 100

55 76.8 57.9 86.9

98 44.3 34.6 52.0



#40

Benzene

Concen: 20.878 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.00 min

Lab File: VF062746.D

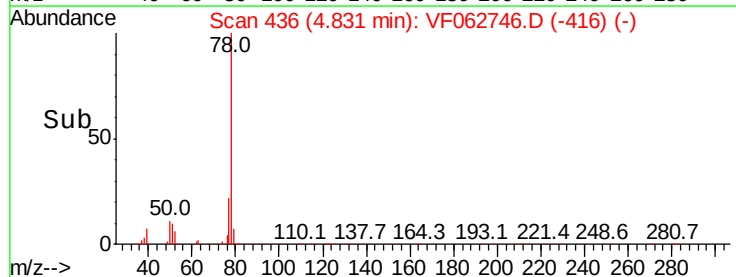
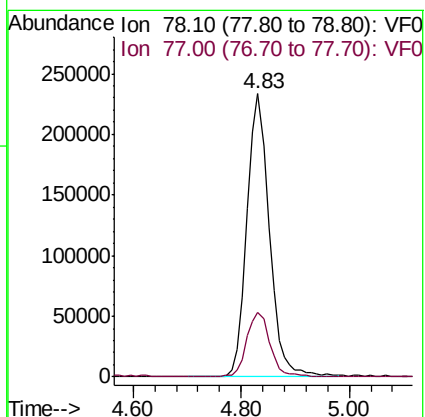
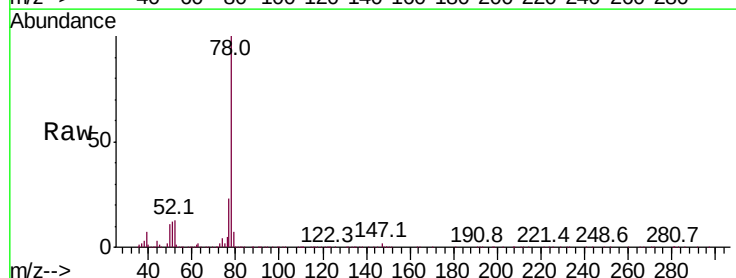
Acq: 24 May 2019 14:42

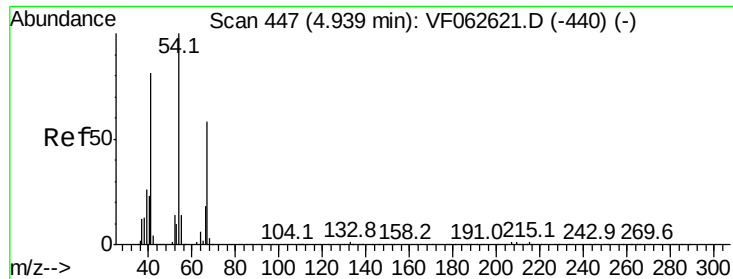
Tgt Ion: 78 Resp: 674609

Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.2

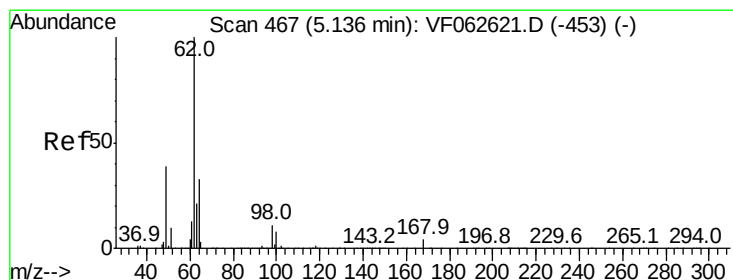
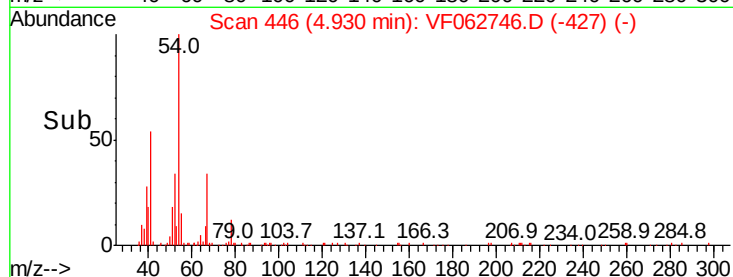
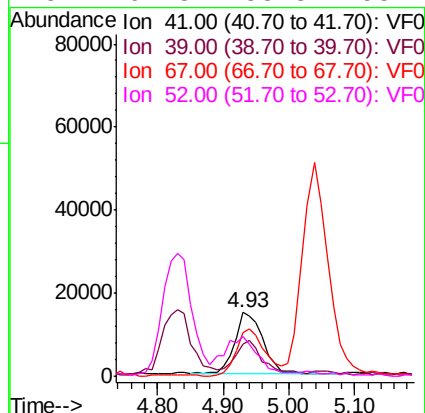
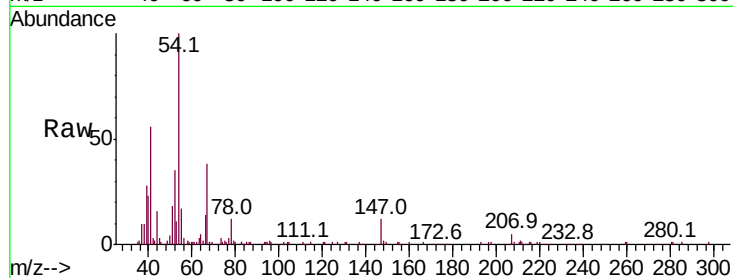




#41
Methacrylonitrile
Concen: 17.961 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

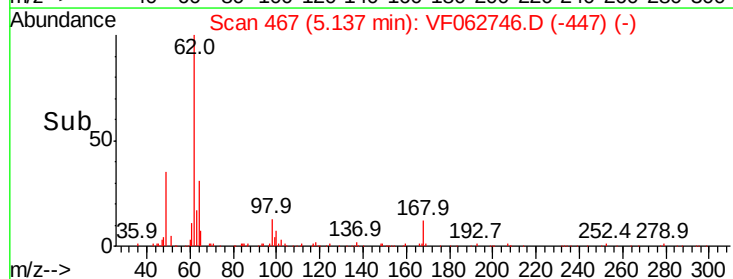
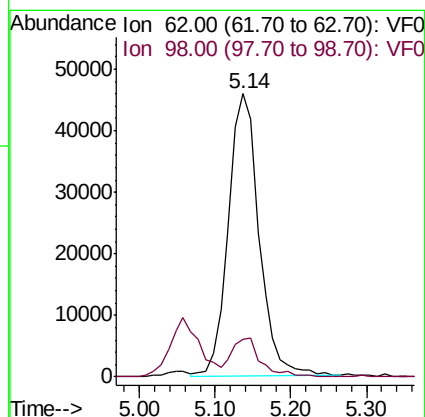
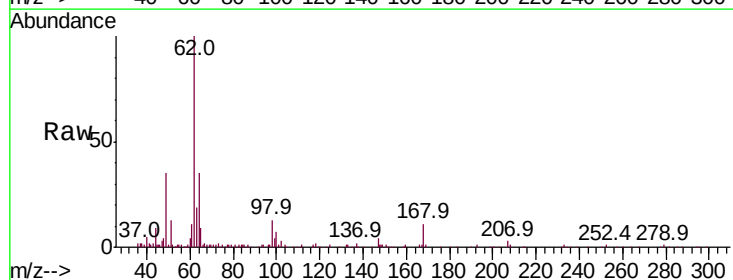
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

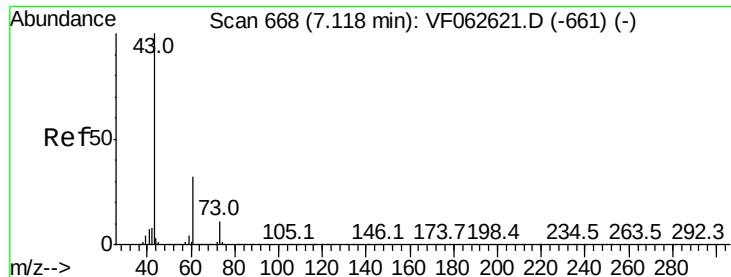
Tot Ion:	41	Resp:	45601
Ion	Ratio	Lower	Upper
41	100		
39	50.7	42.2	63.2
67	68.4	56.4	84.6
52	62.8	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 19.889 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion:	62	Resp:	128155
Ion	Ratio	Lower	Upper
62	100		
98	13.2	0.0	21.6





#43

Isopropyl Acetate

Concen: 16.085 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

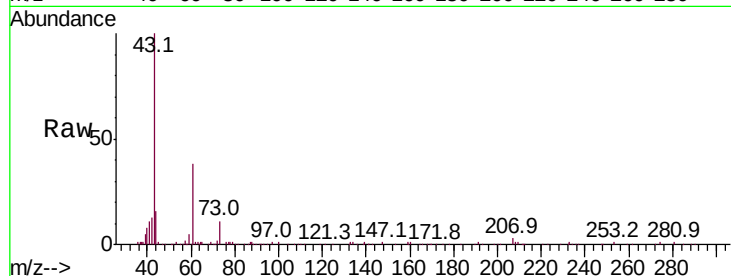
Tot Ion: 43 Resp: 100914

Ion Ratio Lower Upper

43 100

61 37.5 25.8 38.8

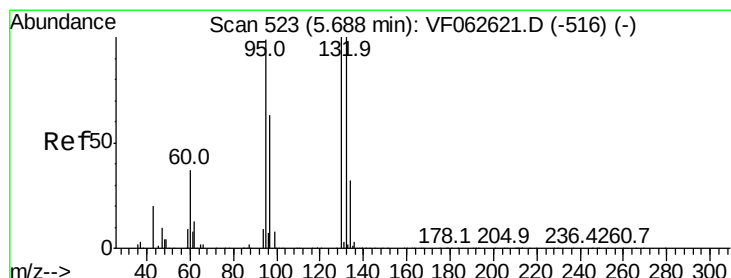
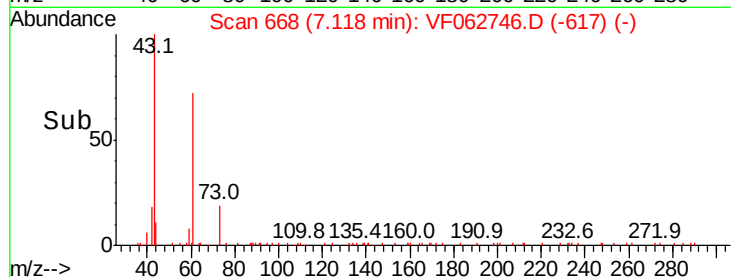
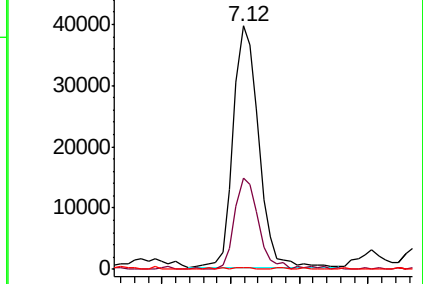
87 0.6 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.151 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062746.D

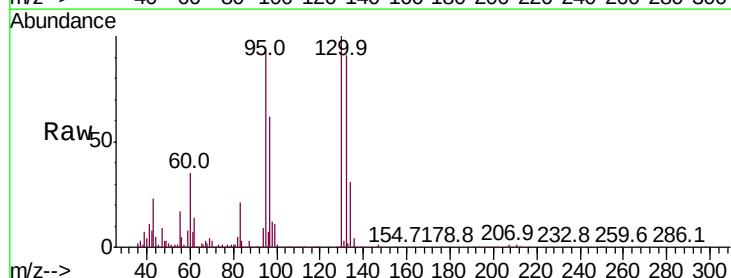
Acq: 24 May 2019 14:42

Tgt Ion: 130 Resp: 192079

Ion Ratio Lower Upper

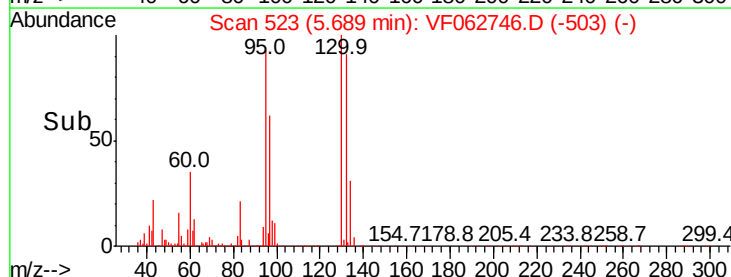
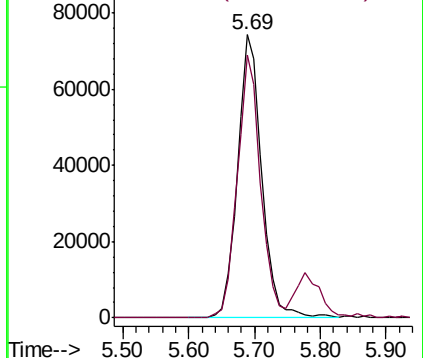
130 100

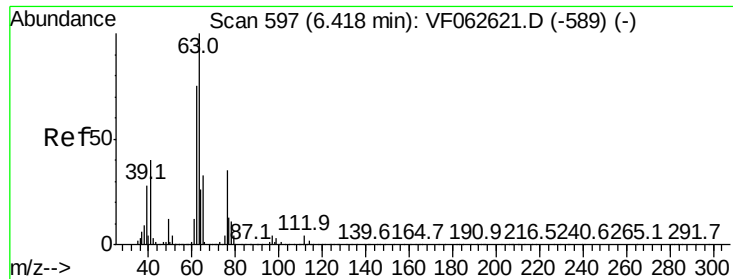
95 92.8 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

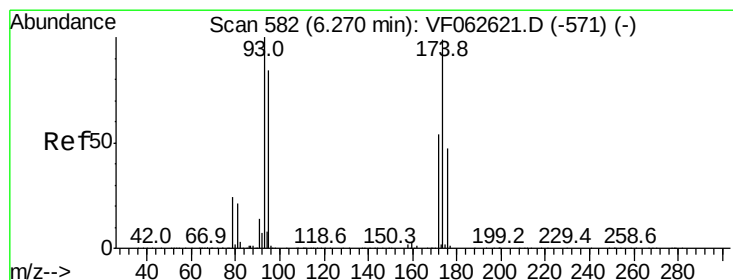
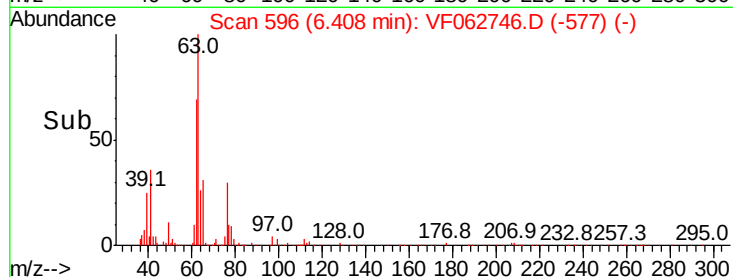
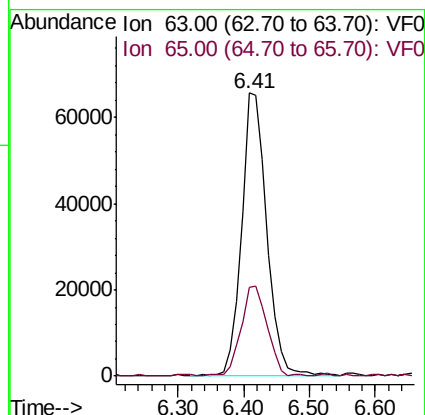
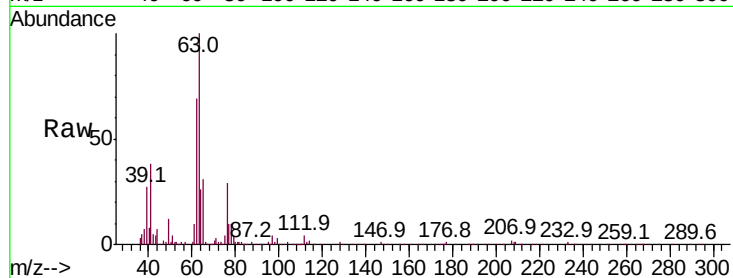




#45
 1,2-Dichloropropane
 Concen: 21.698 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

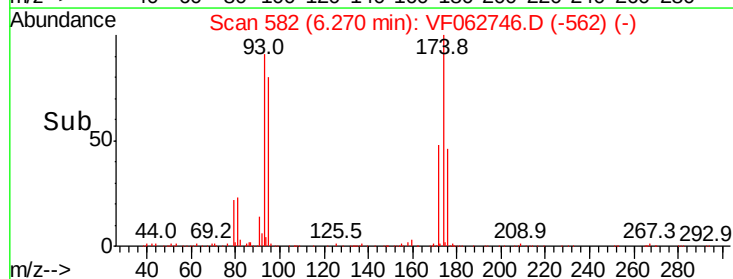
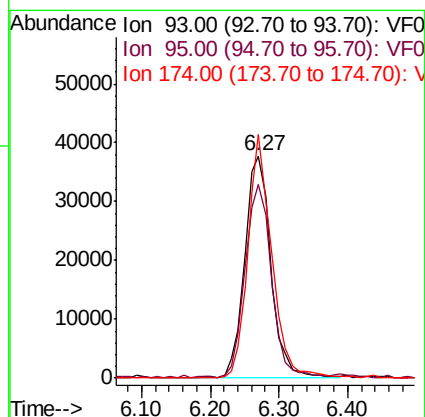
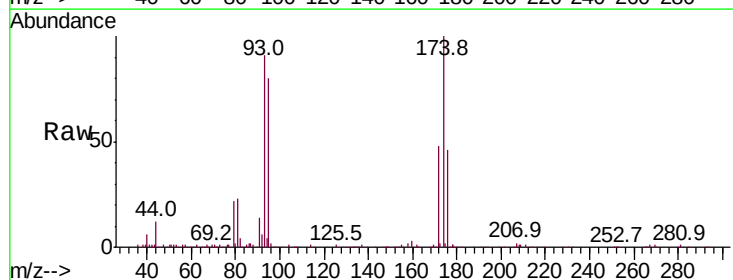
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

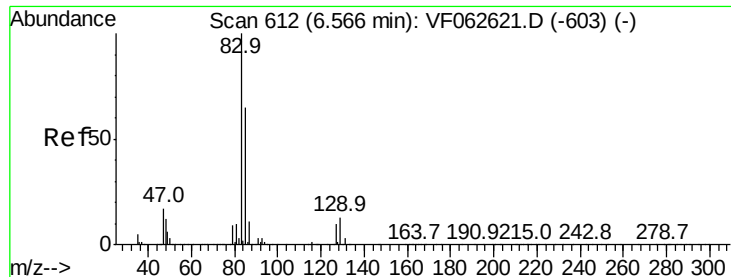
Tot Ion: 63 Resp: 176980
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.3 39.5



#46
 Dibromomethane
 Concen: 21.232 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

Tgt Ion: 93 Resp: 100084
 Ion Ratio Lower Upper
 93 100
 95 87.5 67.4 101.2
 174 109.6 79.4 119.2





#47

Bromodichloromethane

Concen: 19.758 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

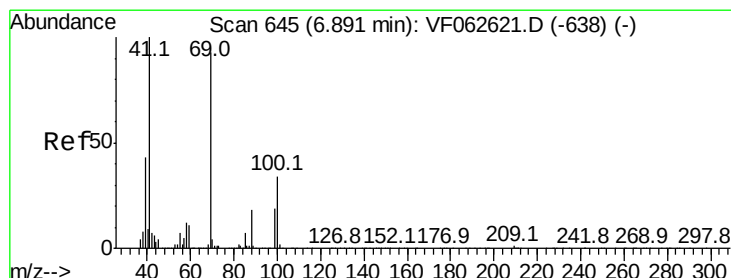
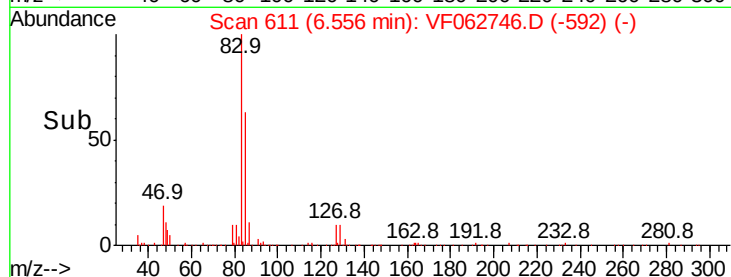
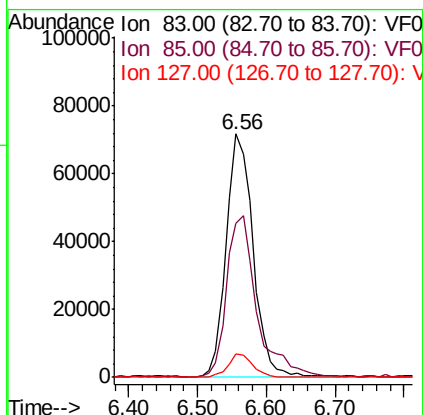
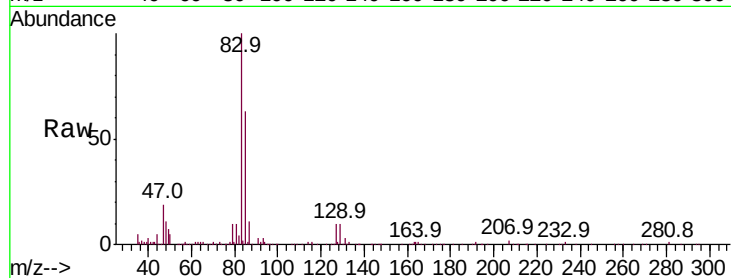
Tot Ion: 83 Resp: 193352

Ion Ratio Lower Upper

83 100

85 63.3 52.0 78.0

127 9.6 7.7 11.5



#48

Methyl methacrylate

Concen: 16.526 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

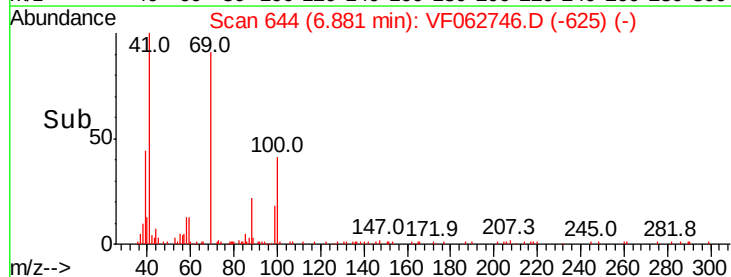
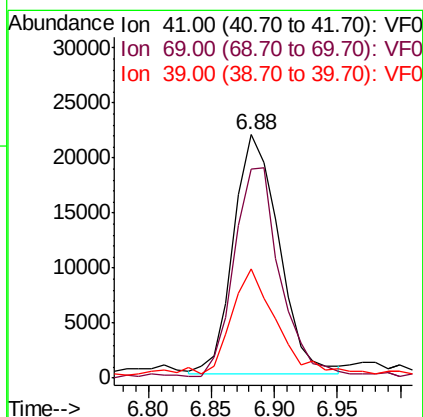
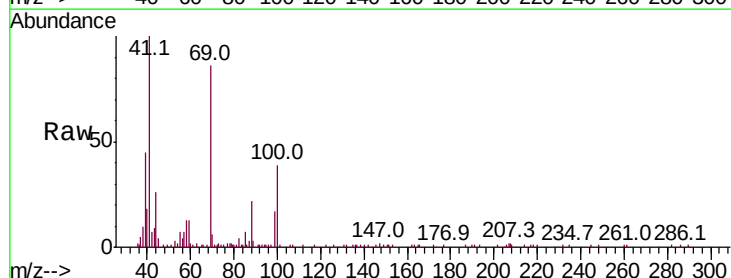
Tgt Ion: 41 Resp: 54193

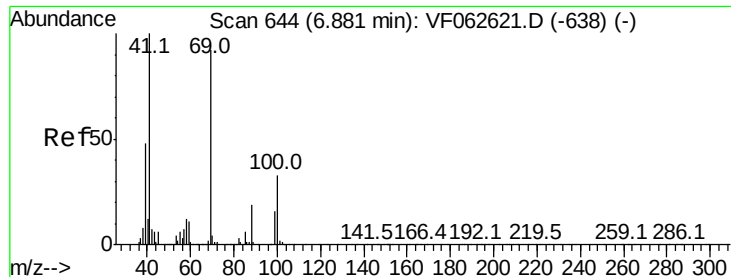
Ion Ratio Lower Upper

41 100

69 86.1 74.2 111.2

39 45.1 34.2 51.4

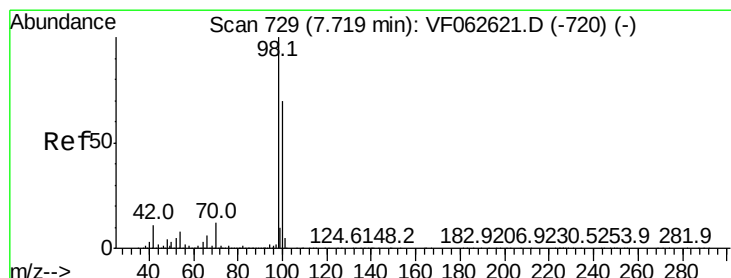
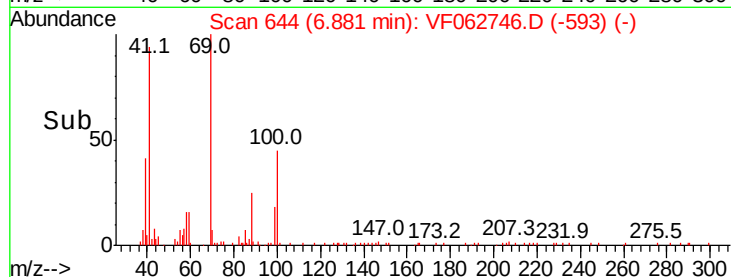
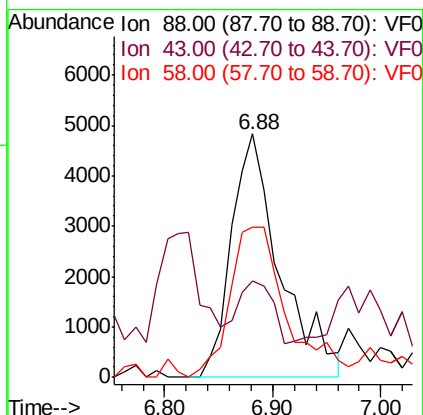
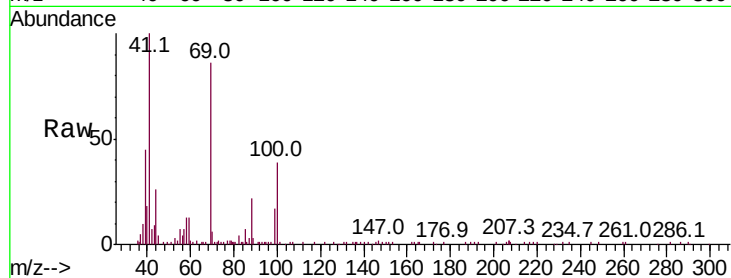




#49
1,4-Dioxane
Concen: 360.376 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

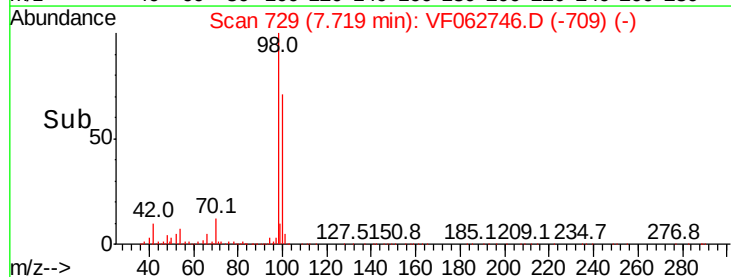
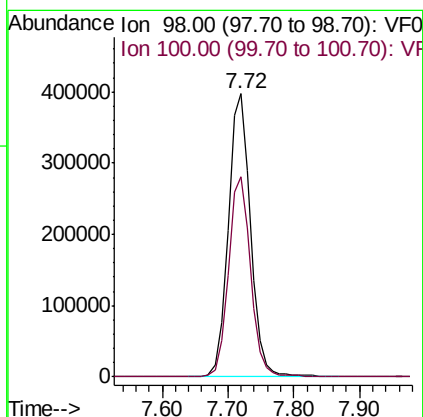
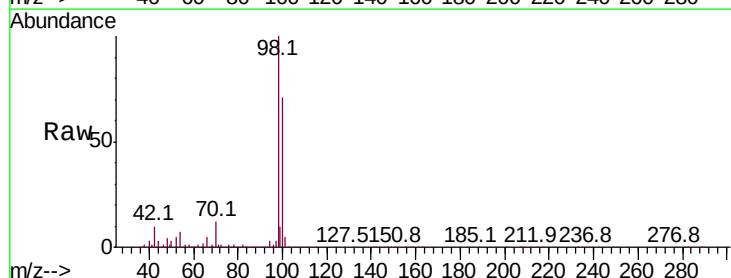
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBSD01

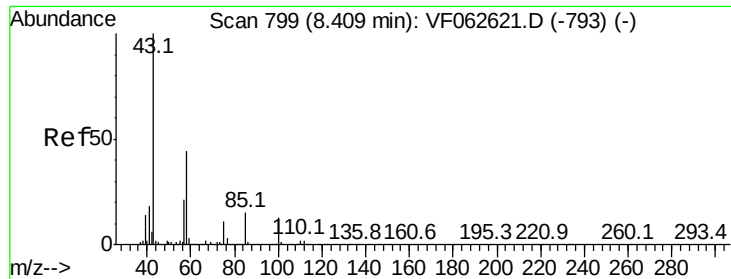
Tot Ion: 88 Resp: 15136
Ion Ratio Lower Upper
88 100
43 39.5 30.0 45.0
58 61.5 51.1 76.7



#50
Toluene-d8
Concen: 44.470 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 98 Resp: 940411
Ion Ratio Lower Upper
98 100
100 70.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 94.790 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

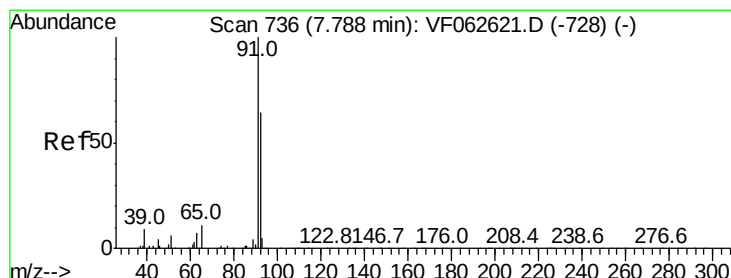
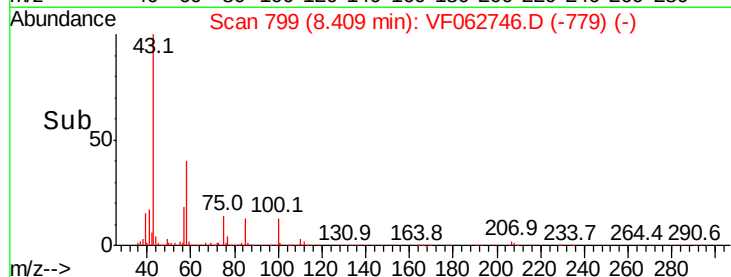
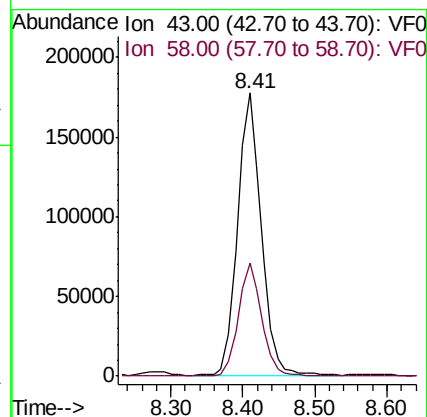
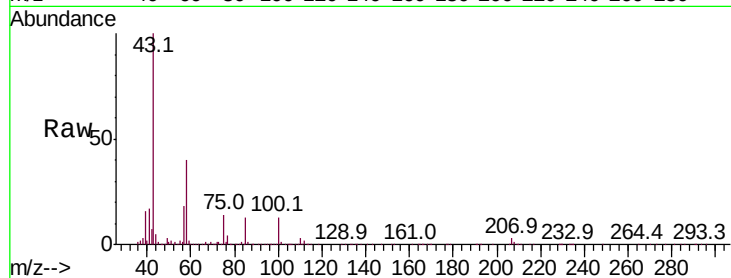
VF0524SBS01

Tot Ion: 43 Resp: 406504

Ion Ratio Lower Upper

43 100

58 39.8 34.9 52.3



#52

Toluene

Concen: 19.674 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062746.D

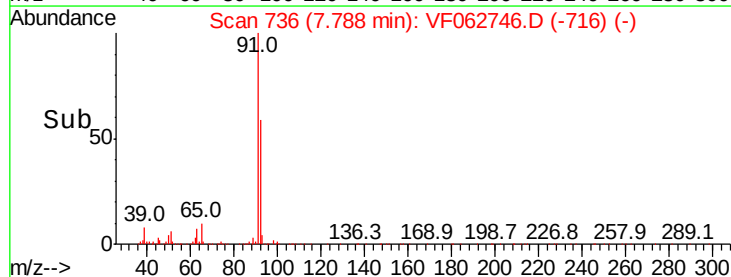
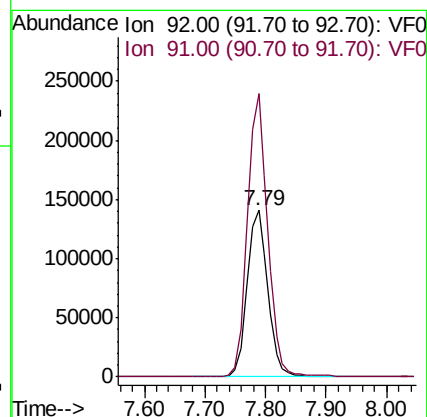
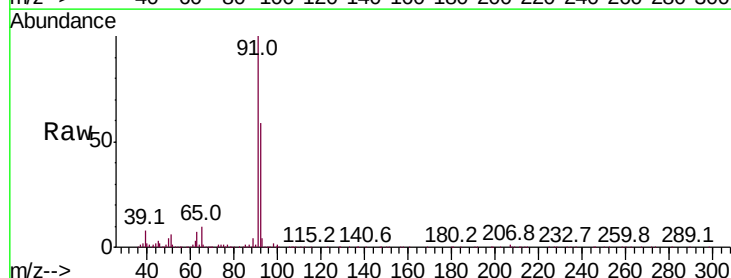
Acq: 24 May 2019 14:42

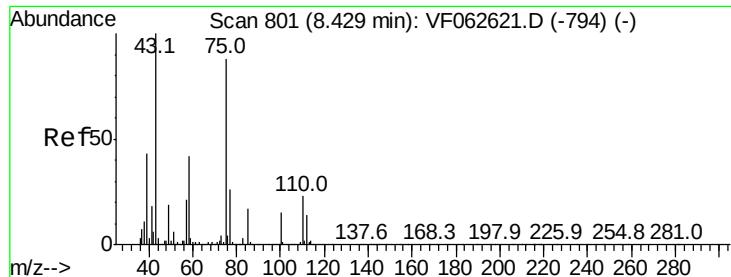
Tgt Ion: 92 Resp: 333385

Ion Ratio Lower Upper

92 100

91 170.2 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 19.104 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

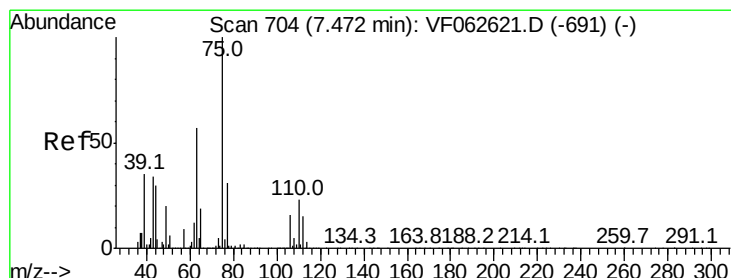
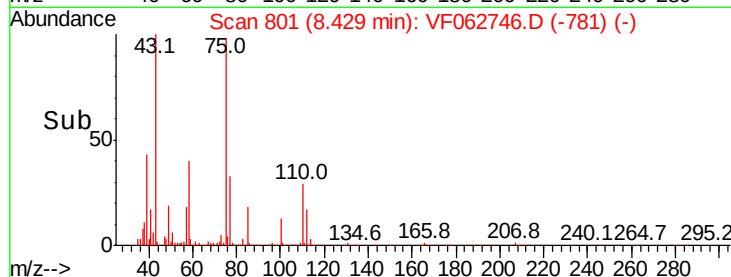
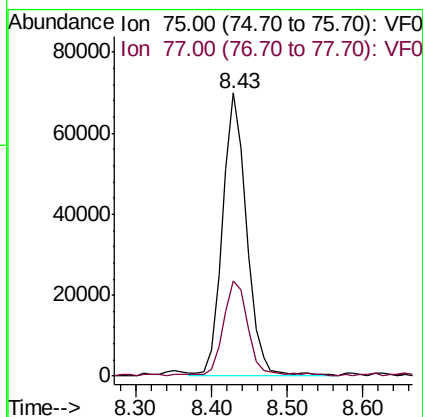
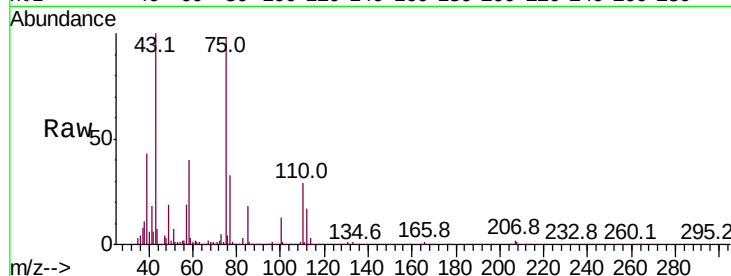
VF0524SBS01

Tot Ion: 75 Resp: 152947

Ion Ratio Lower Upper

75 100

77 33.9 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 19.813 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

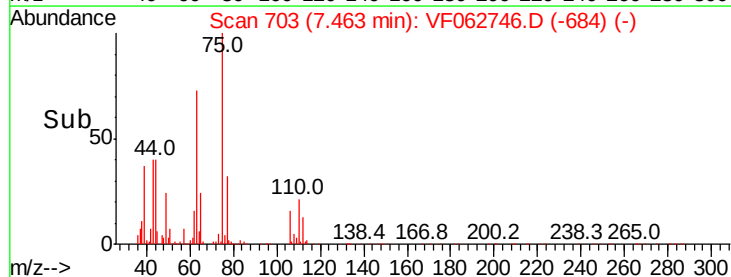
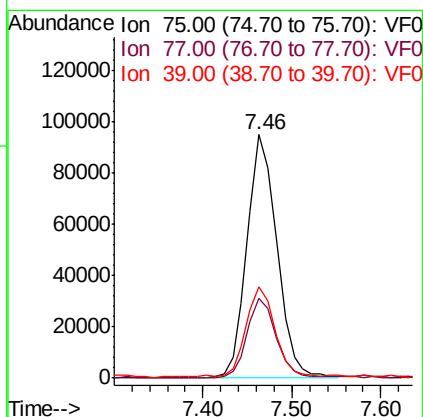
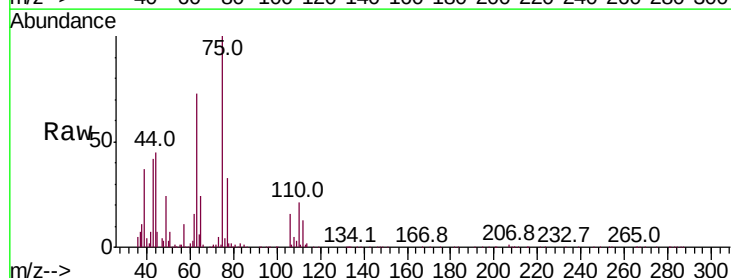
Tgt Ion: 75 Resp: 222048

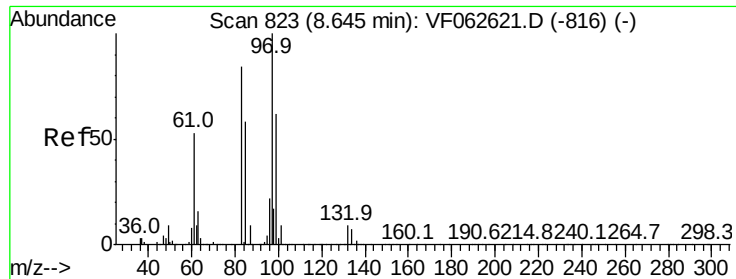
Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9

39 37.5 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 19.795 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

Tot Ion: 97 Resp: 99317

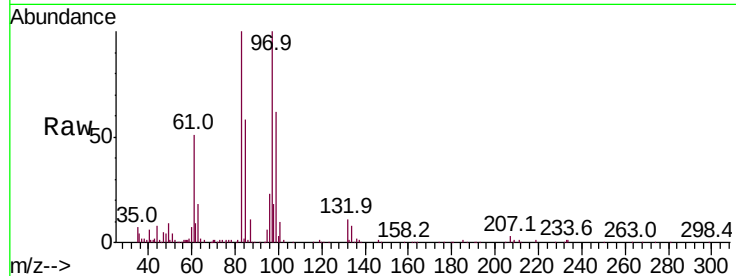
Ion Ratio Lower Upper

97 100

83 99.8 67.3 100.9

85 58.2 46.6 69.8

99 61.8 49.7 74.5

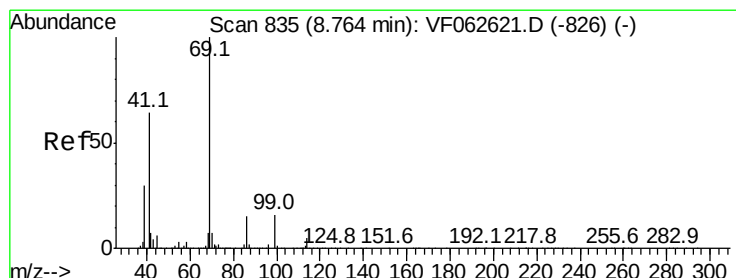
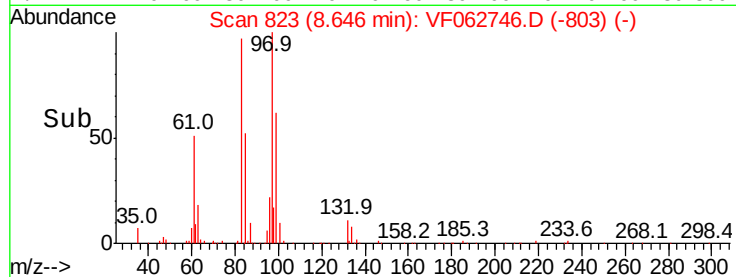
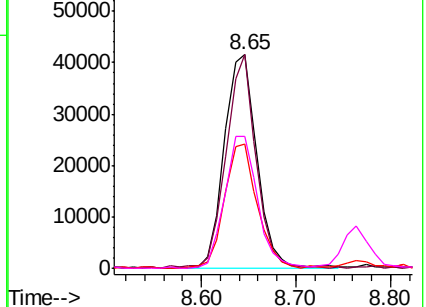


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17.301 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

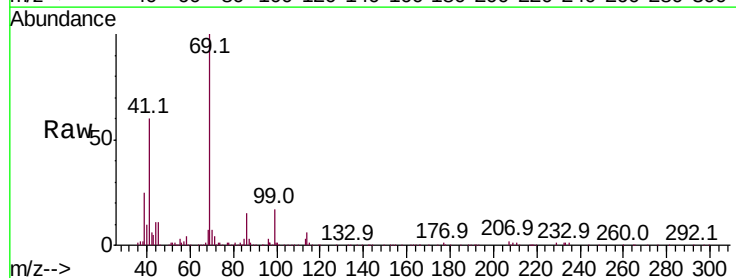
Tgt Ion: 69 Resp: 103417

Ion Ratio Lower Upper

69 100

41 59.7 51.4 77.2

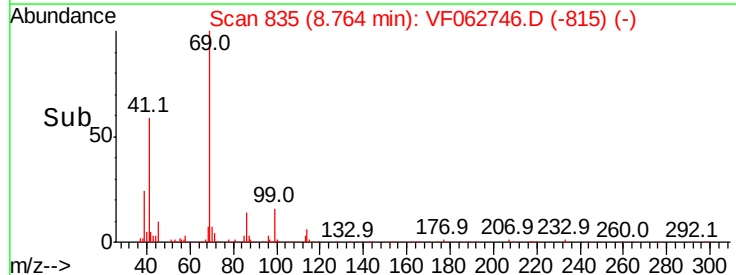
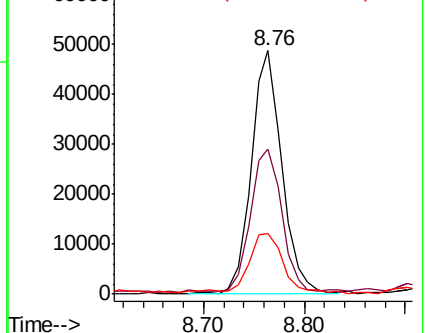
39 24.7 23.6 35.4

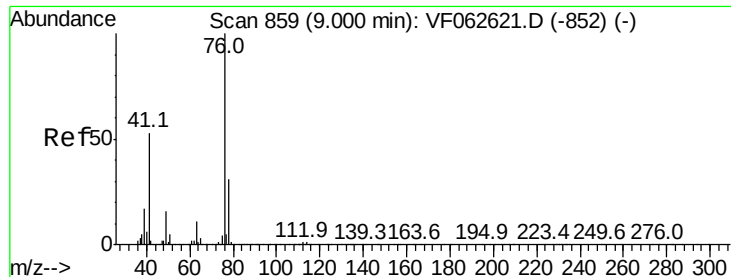


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.294 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

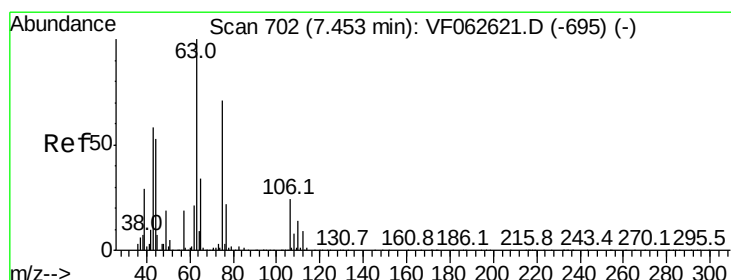
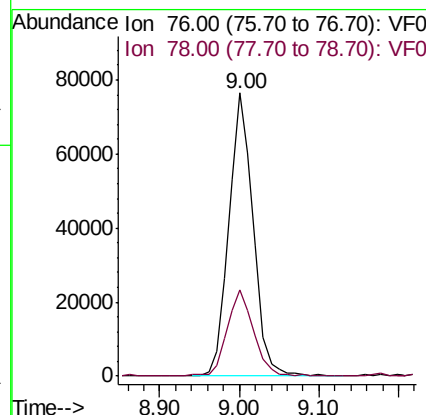
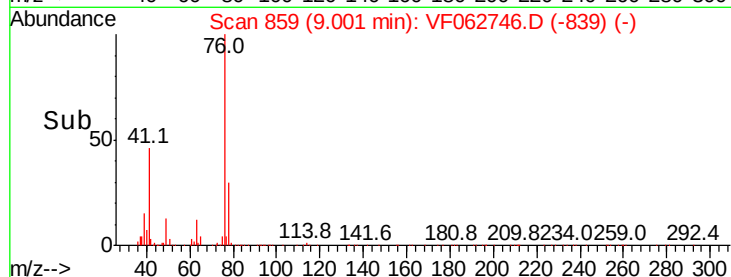
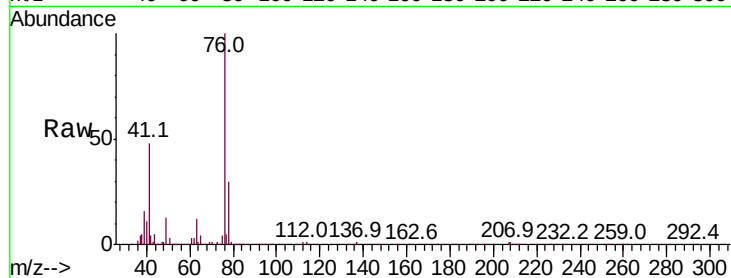
Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

Tot Ion: 76 Resp: 164891

Ion	Ratio	Lower	Upper
76	100		
78	30.3	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 87.181 ug/l

RT: 7.45 min Scan# 702

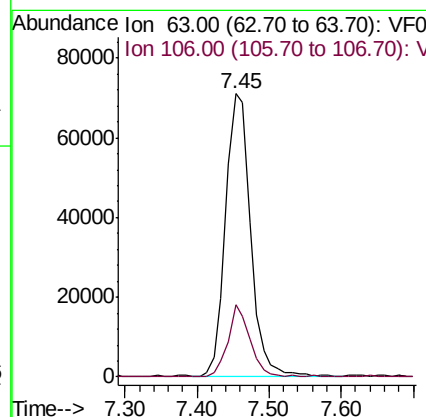
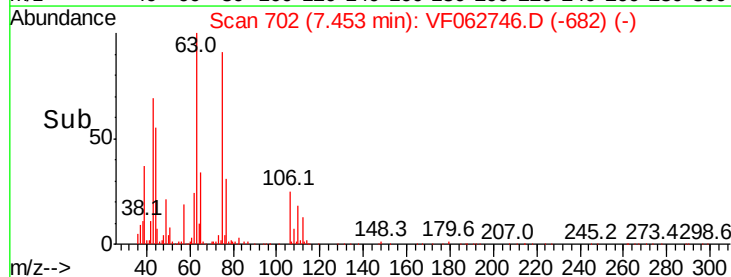
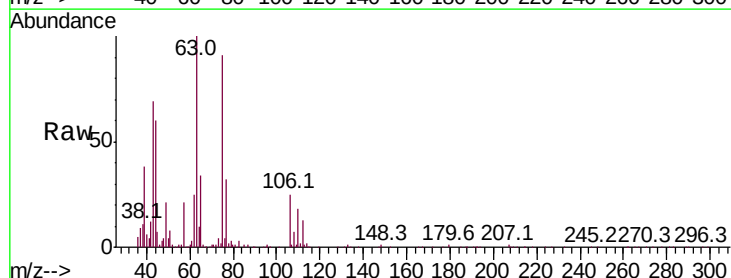
Delta R.T. 0.00 min

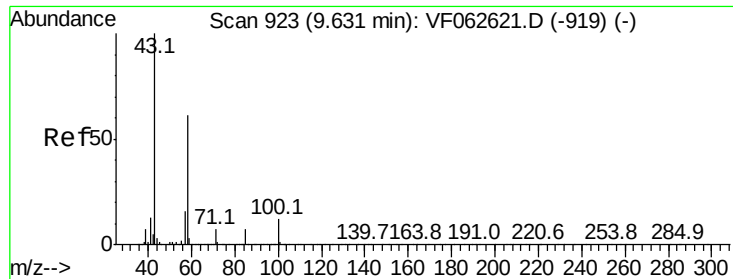
Lab File: VF062746.D

Acq: 24 May 2019 14:42

Tgt Ion: 63 Resp: 169628

Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.1	28.7

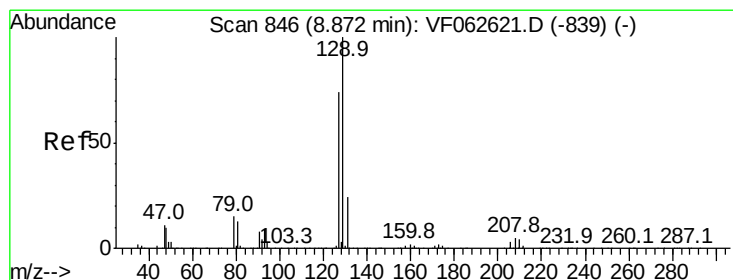
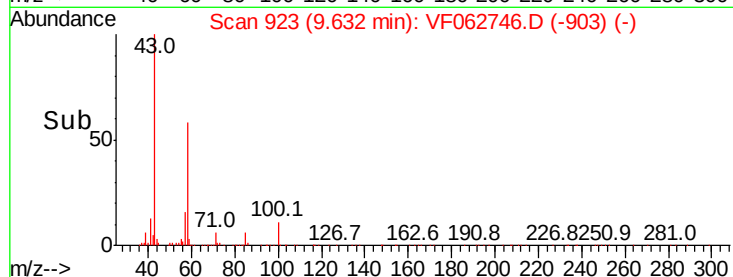
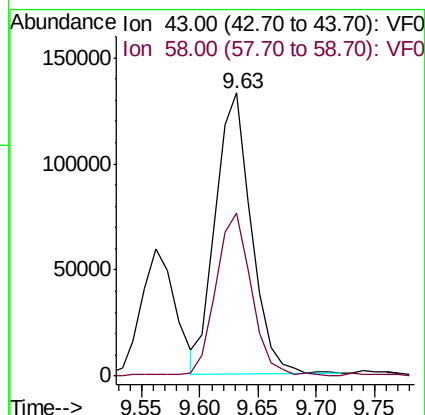
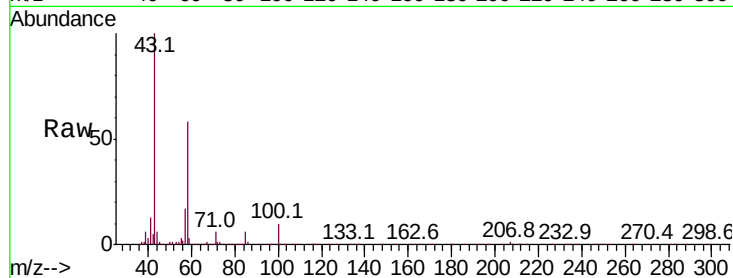




#59
2-Hexanone
Concen: 89.762 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

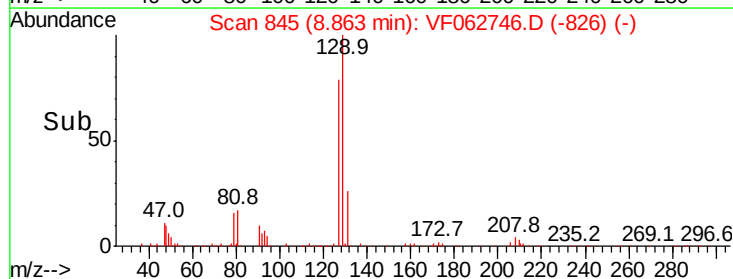
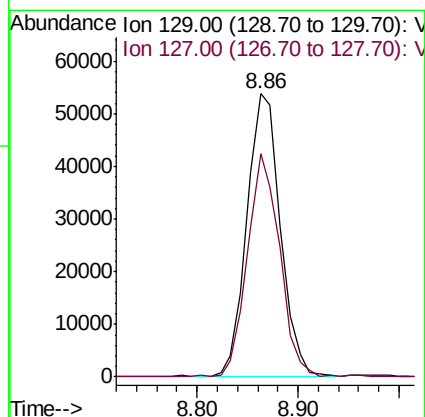
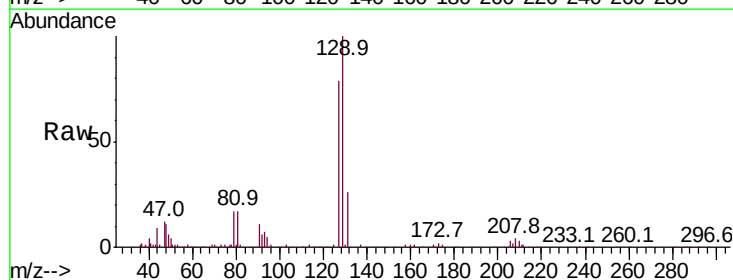
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

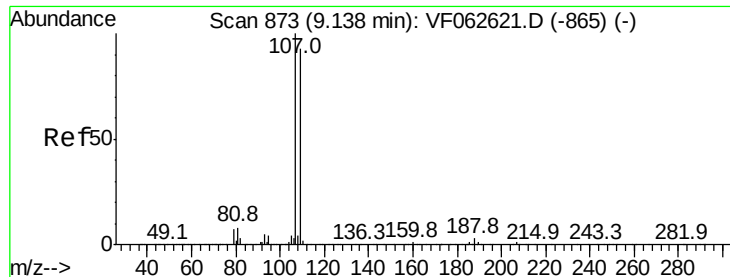
Tot Ion: 43 Resp: 282326
Ion Ratio Lower Upper
43 100
58 57.8 28.1 84.4



#60
Dibromochloromethane
Concen: 18.893 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 129 Resp: 123543
Ion Ratio Lower Upper
129 100
127 78.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 19.373 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

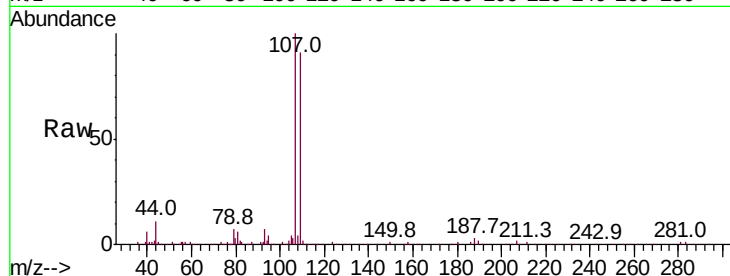
VF0524SBSD01

Tot Ion:107 Resp: 103240

Ion Ratio Lower Upper

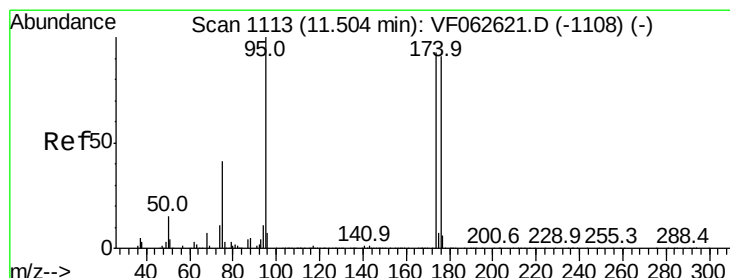
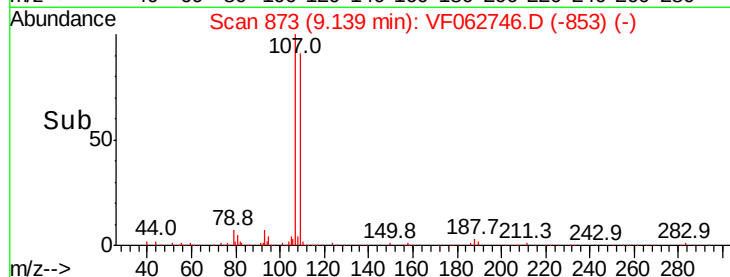
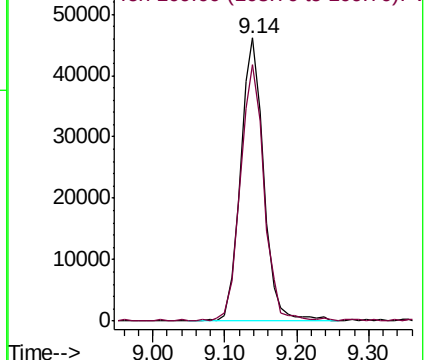
107 100

109 90.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.938 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

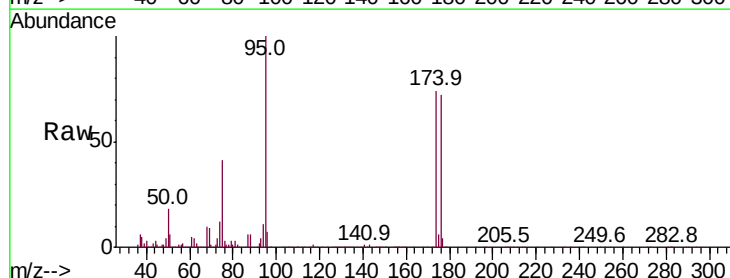
Tgt Ion: 95 Resp: 352408

Ion Ratio Lower Upper

95 100

174 74.3 0.0 185.6

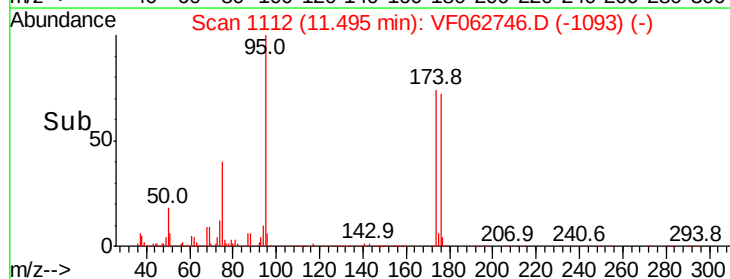
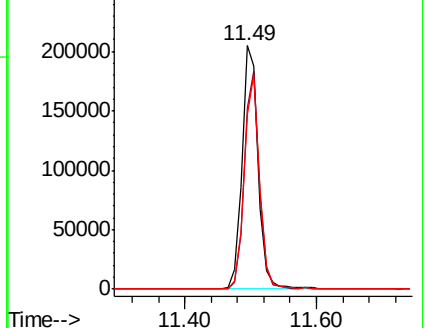
176 71.6 0.0 182.4

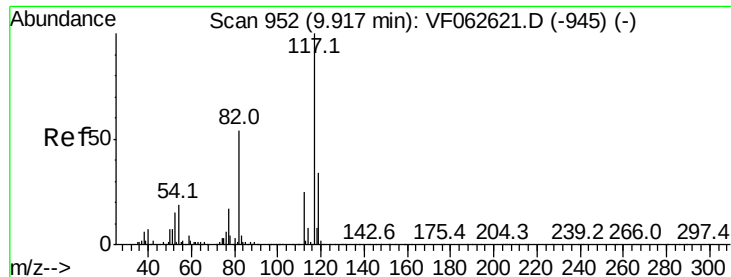


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

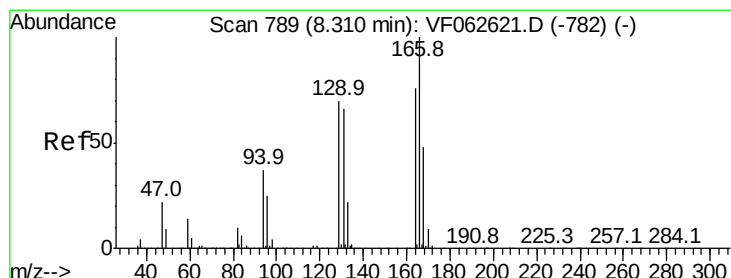
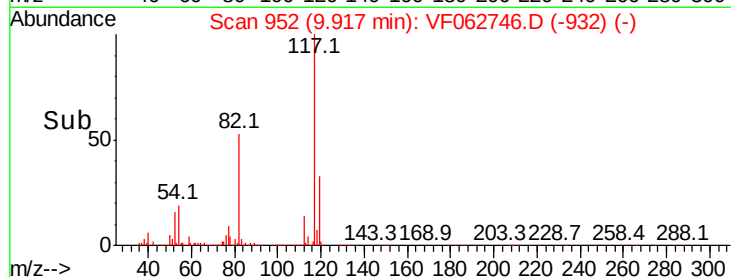
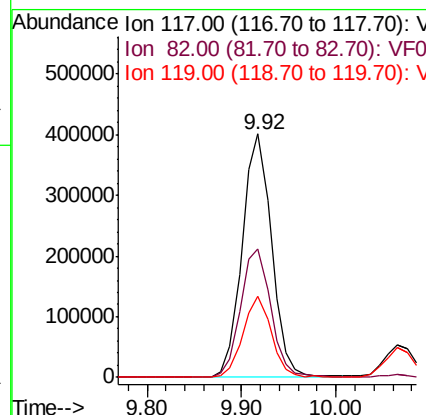
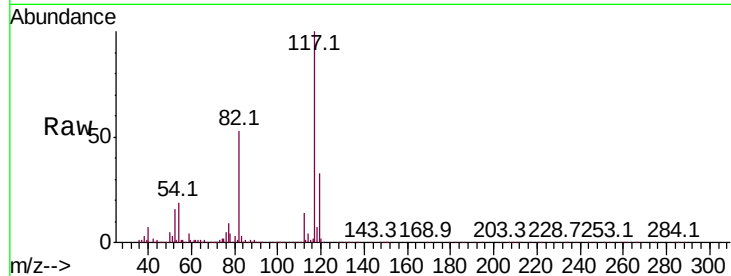




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

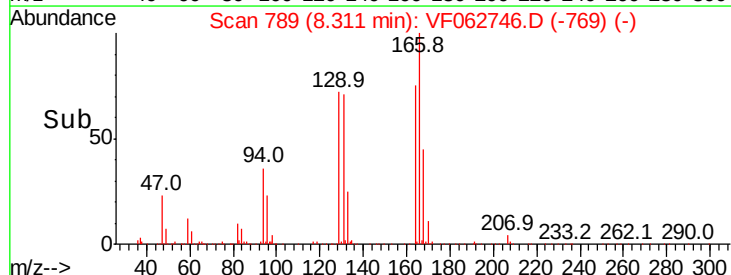
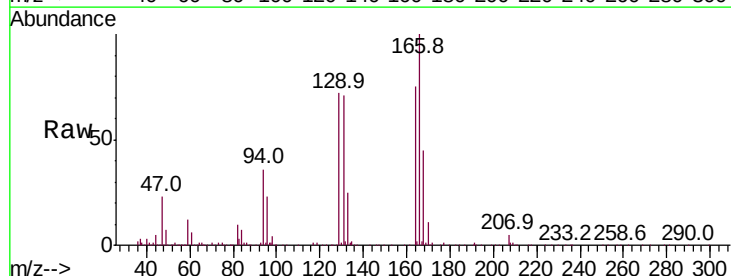
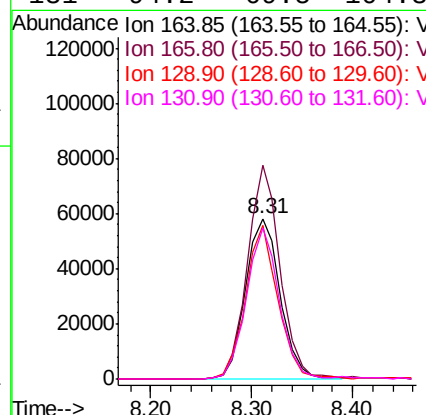
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

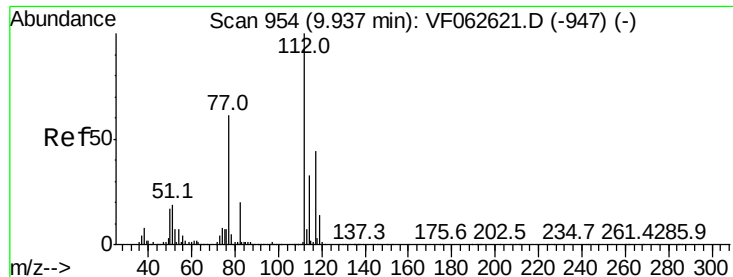
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.3	64.9
119	33.3	27.4	41.0



#64
Tetrachloroethene
Concen: 20.219 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	105.5	158.3
129	95.7	73.8	110.6
131	94.2	69.5	104.3

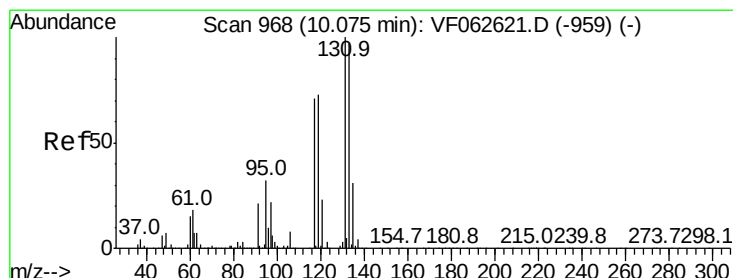
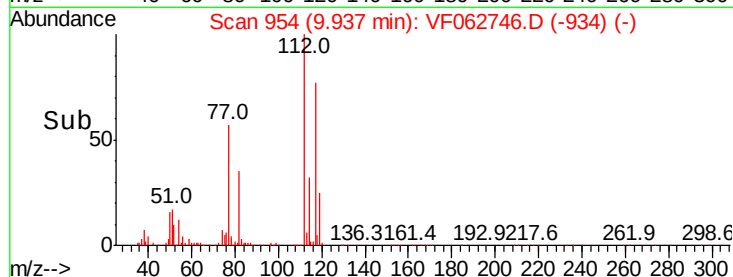
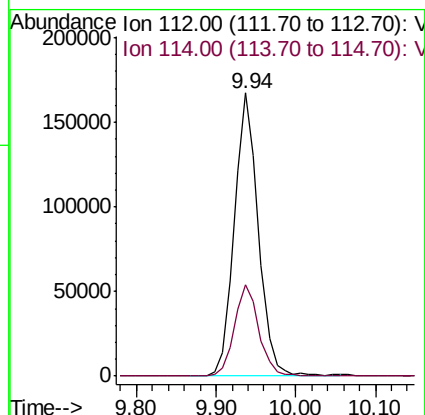
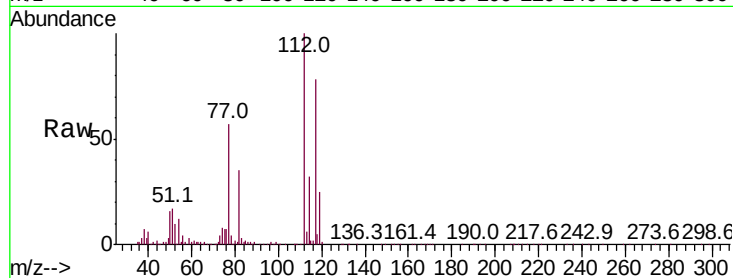




#65
Chlorobenzene
Concen: 20.712 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

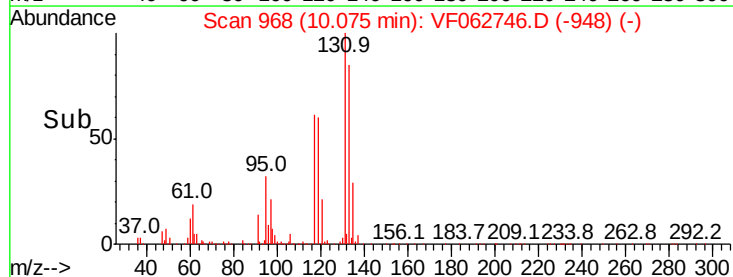
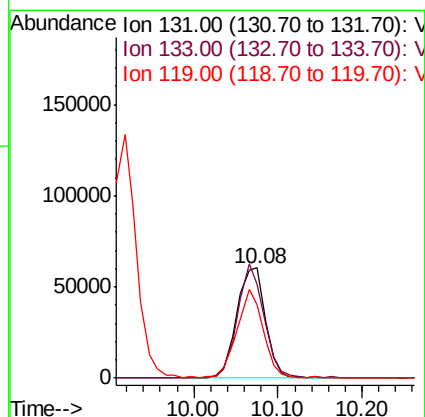
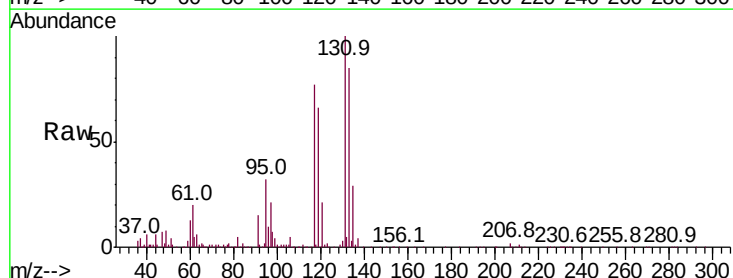
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

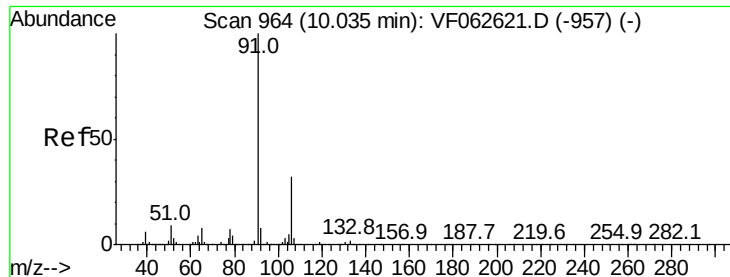
Tot Ion:112 Resp: 353401
Ion Ratio Lower Upper
112 100
114 32.2 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.824 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion:131 Resp: 142637
Ion Ratio Lower Upper
131 100
133 85.4 48.5 145.5
119 66.3 36.8 110.4

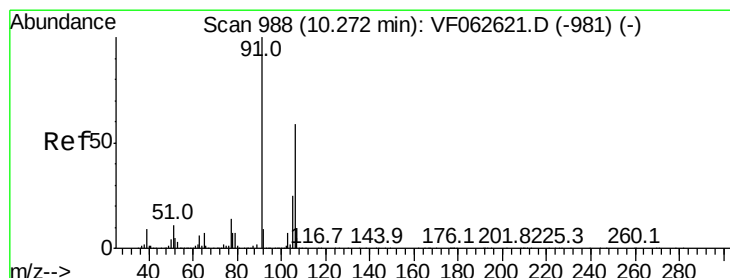
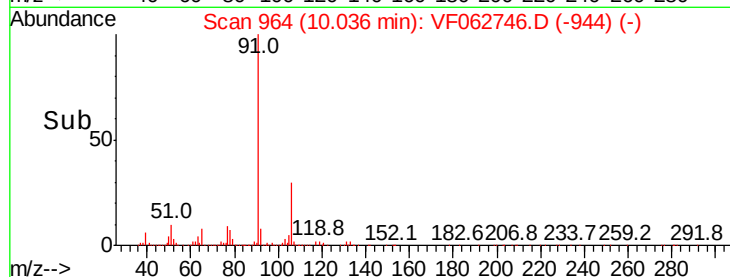
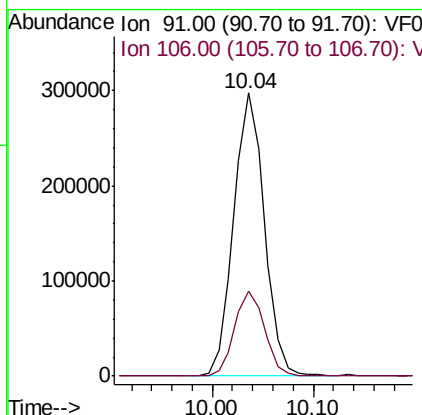
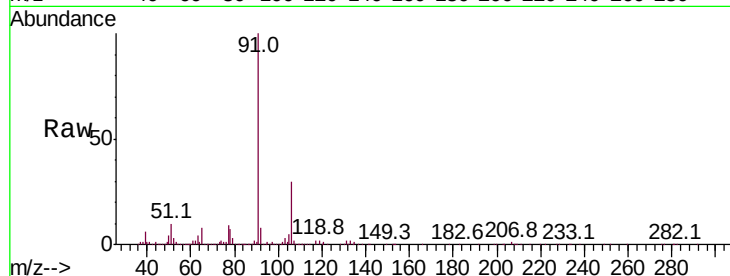




#67
Ethyl Benzene
Concen: 21.330 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

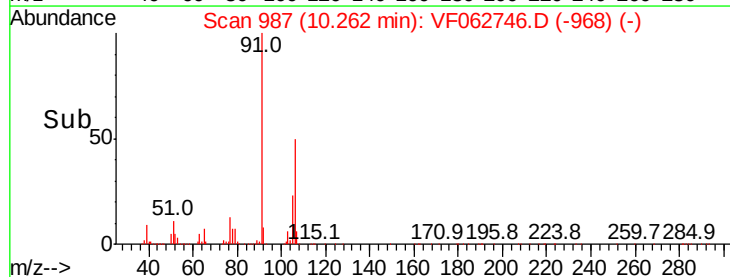
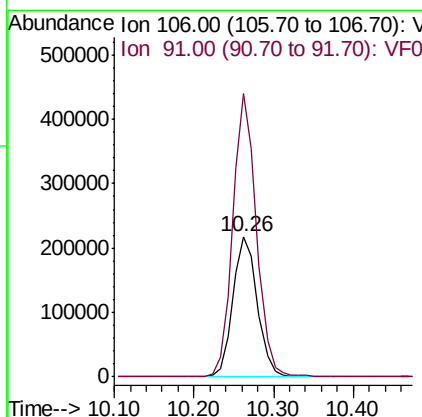
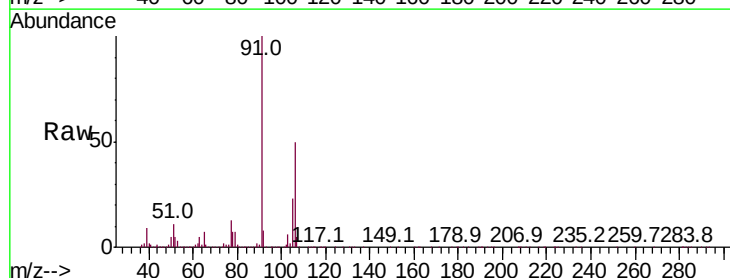
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

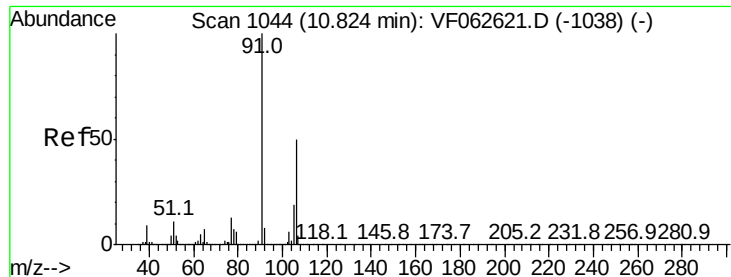
Tot Ion: 91 Resp: 632260
Ion Ratio Lower Upper
91 100
106 30.1 25.8 38.8



#68
m/p-Xylenes
Concen: 41.947 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 106 Resp: 467308
Ion Ratio Lower Upper
106 100
91 201.5 136.9 205.3

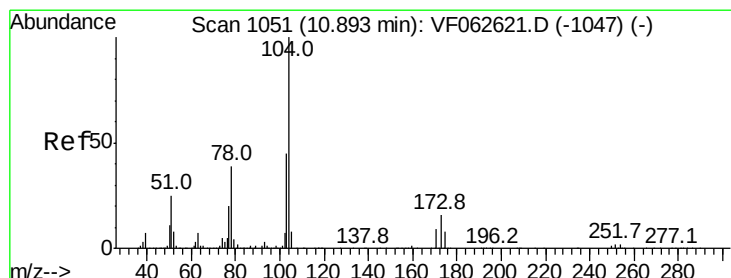
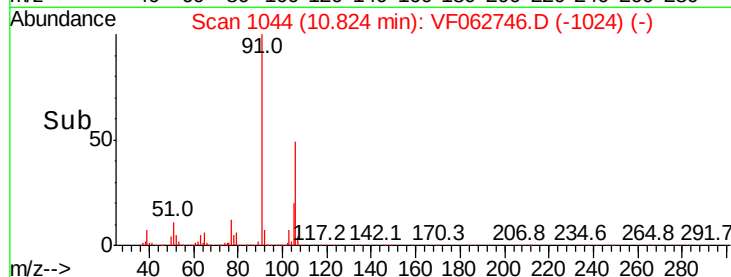
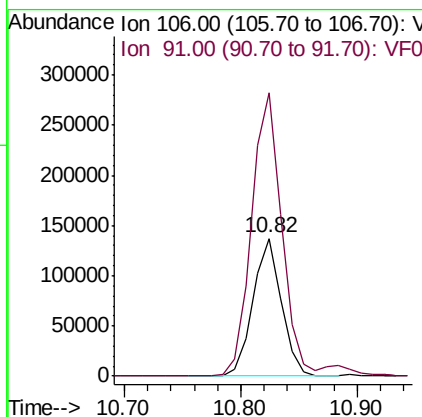
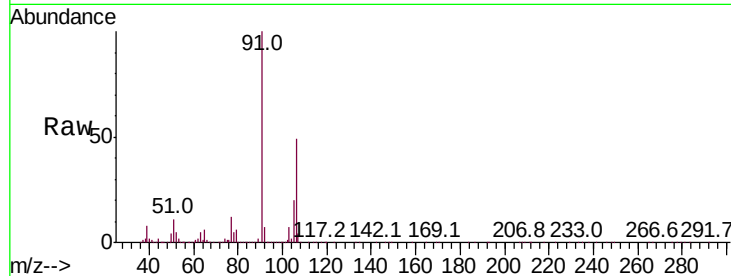




#69
o-Xylene
Concen: 20.331 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

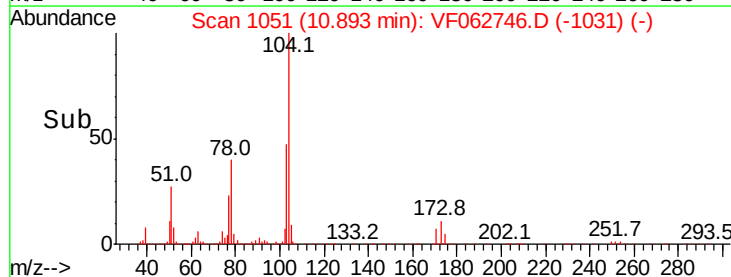
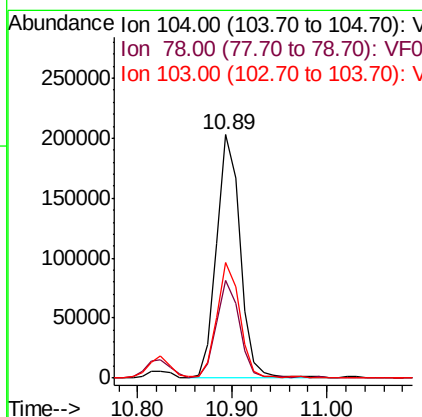
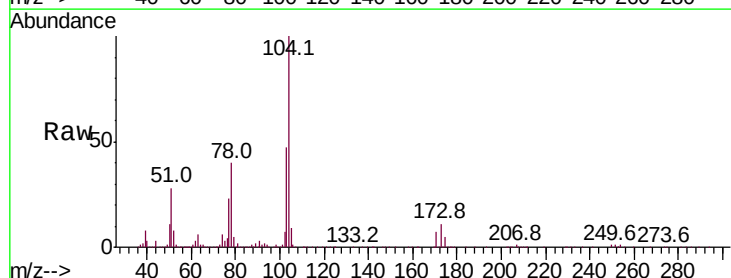
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

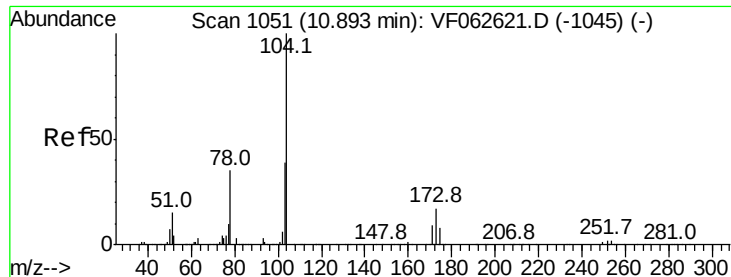
Tot Ion:106 Resp: 233294
Ion Ratio Lower Upper
106 100
91 205.5 100.2 300.5



#70
Styrene
Concen: 20.098 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion:104 Resp: 350527
Ion Ratio Lower Upper
104 100
78 40.0 31.9 47.9
103 47.5 36.1 54.1





#71

Bromoform

Concen: 18.200 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

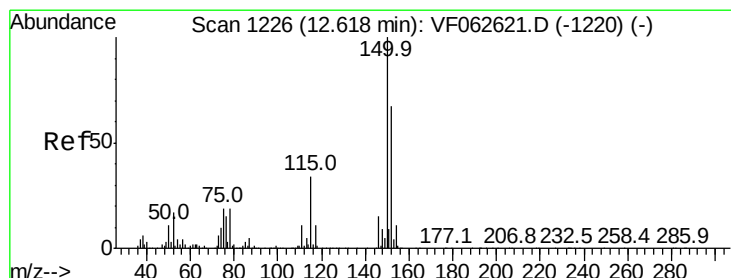
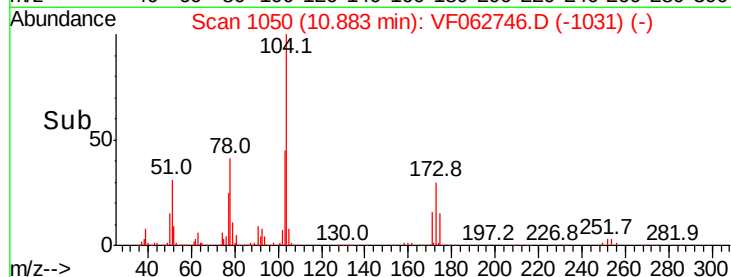
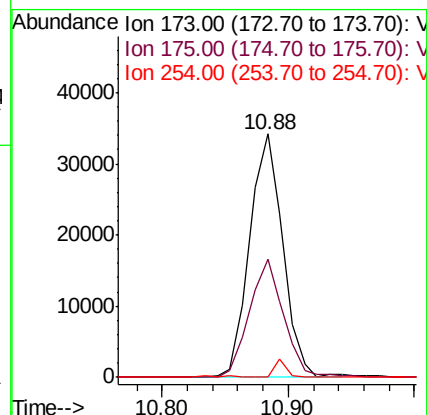
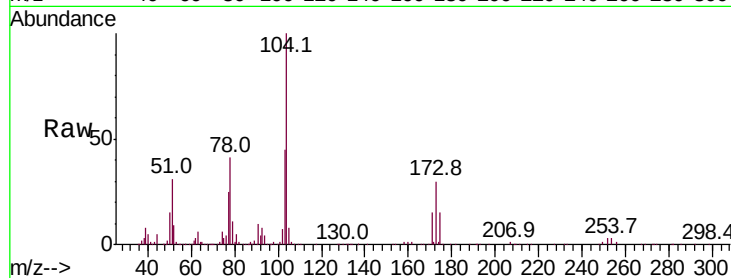
Tot Ion:173 Resp: 62435

Ion Ratio Lower Upper

173 100

175 48.7 25.3 75.9

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

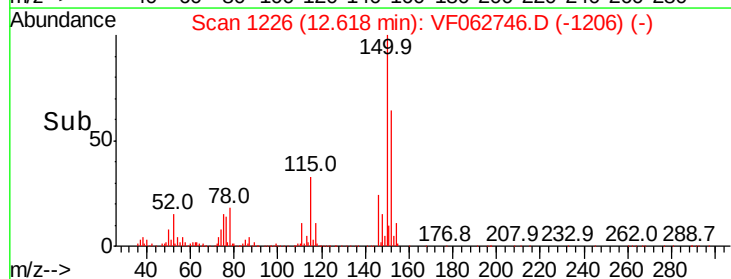
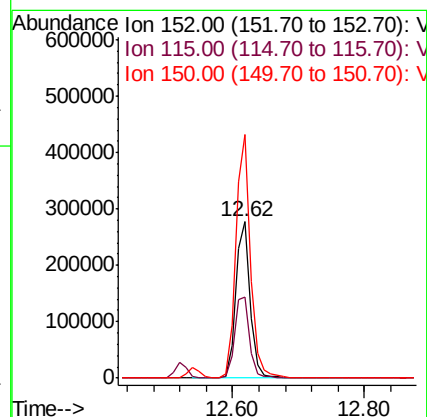
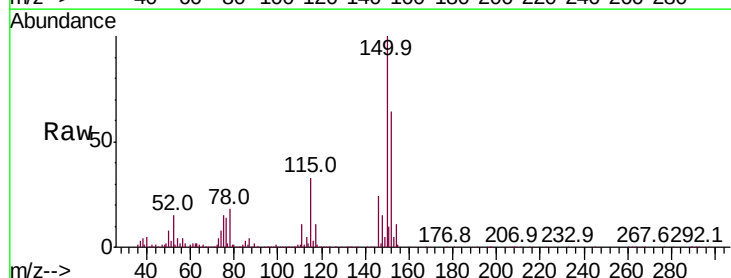
Tgt Ion:152 Resp: 421834

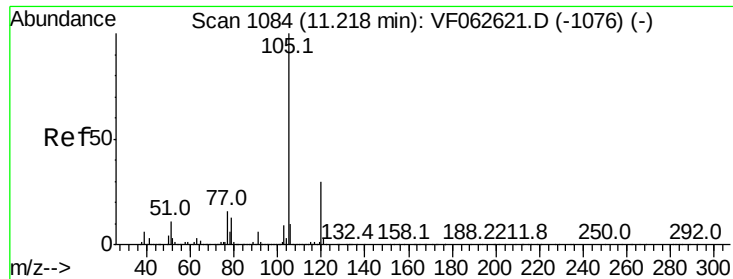
Ion Ratio Lower Upper

152 100

115 52.1 25.2 75.6

150 156.0 0.0 306.2





#73

Isopropylbenzene

Concen: 21.399 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

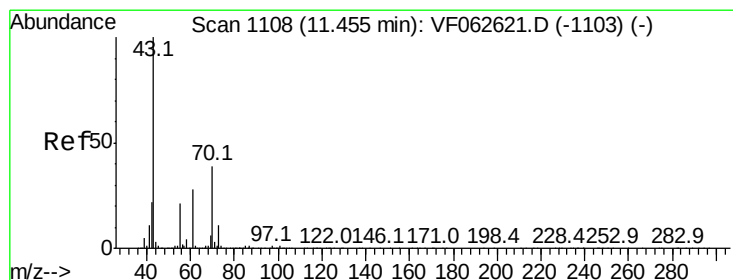
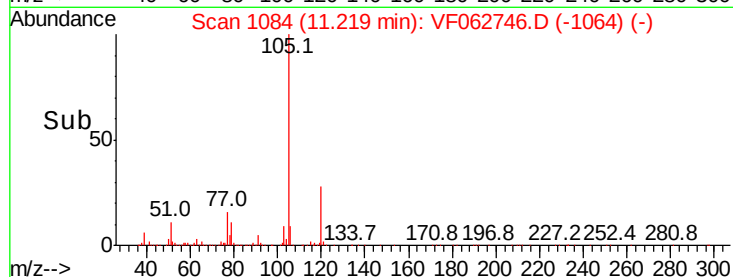
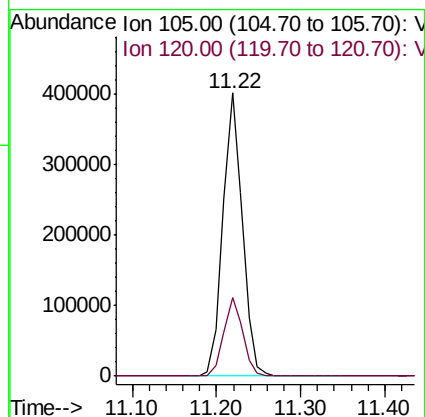
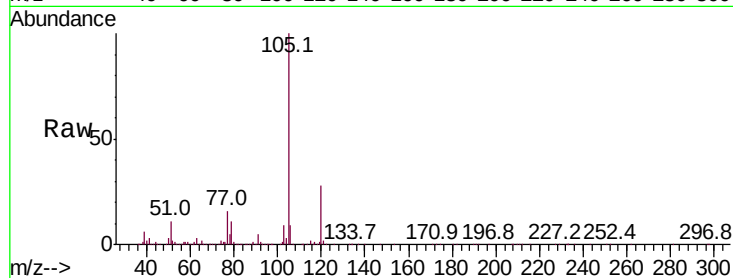
VF0524SBS01

Tot Ion:105 Resp: 646975

Ion Ratio Lower Upper

105 100

120 27.9 14.8 44.4



#74

N-ethyl acetate

Concen: 19.162 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Tgt Ion: 43 Resp: 173011

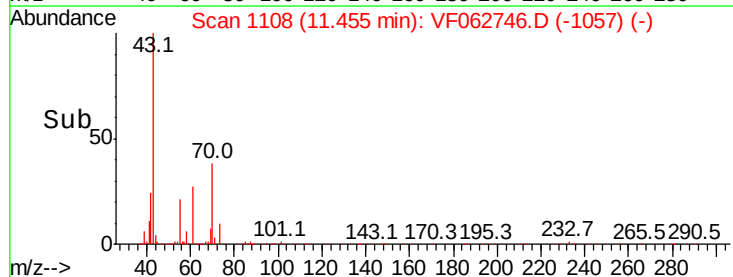
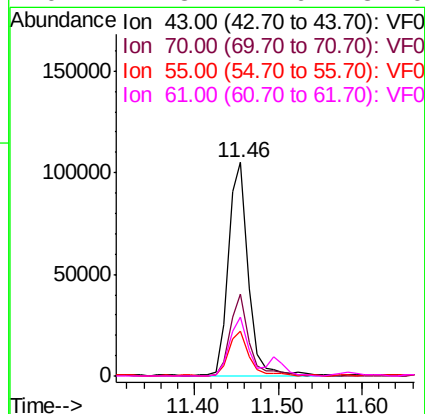
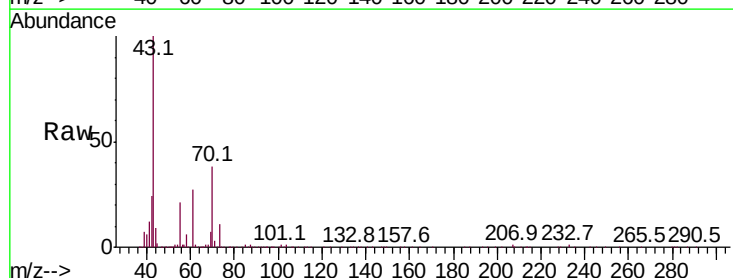
Ion Ratio Lower Upper

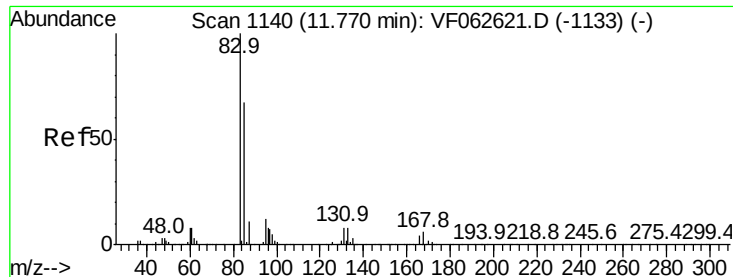
43 100

70 38.3 30.9 46.3

55 20.9 17.0 25.4

61 27.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.159 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

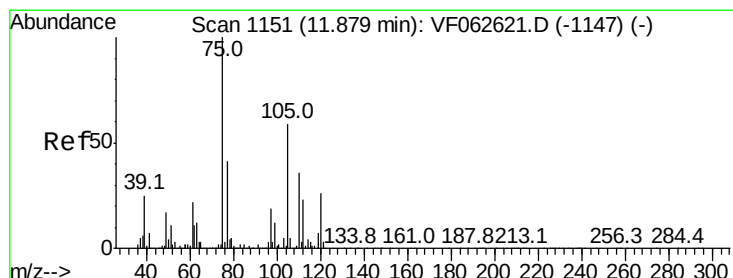
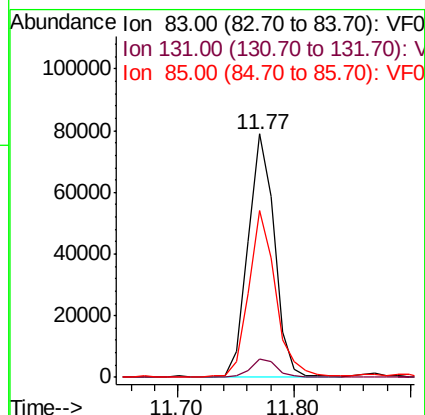
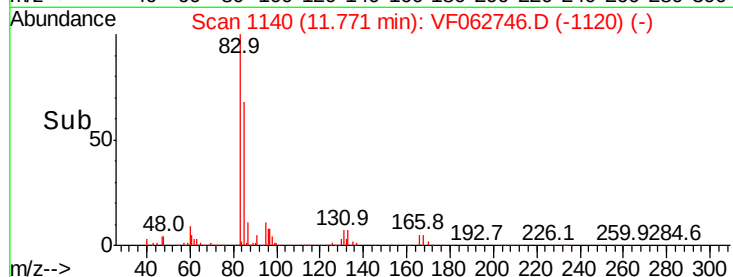
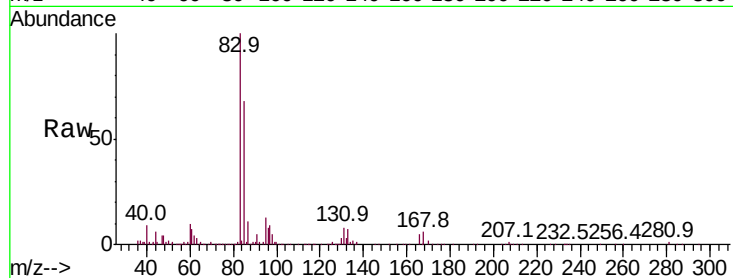
Tot Ion: 83 Resp: 124557

Ion Ratio Lower Upper

83 100

131 7.6 4.0 12.0

85 68.4 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 19.992 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062746.D

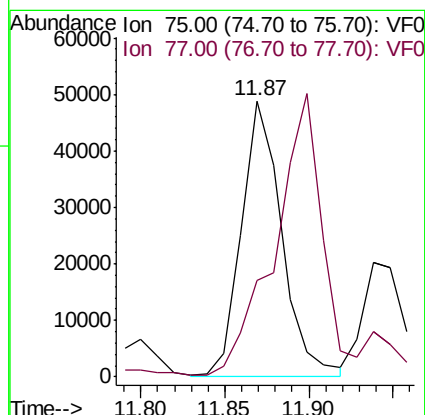
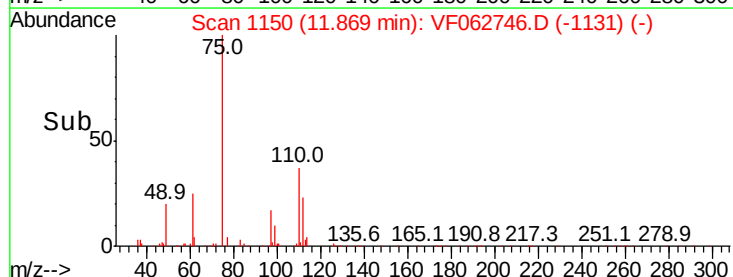
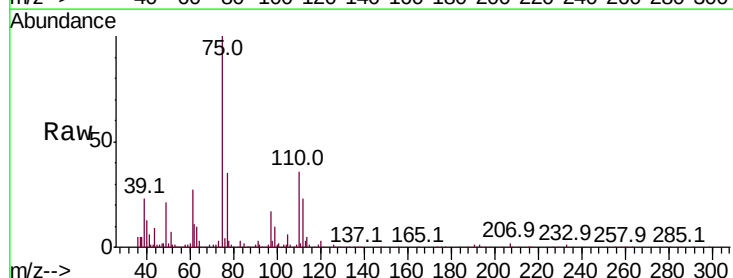
Acq: 24 May 2019 14:42

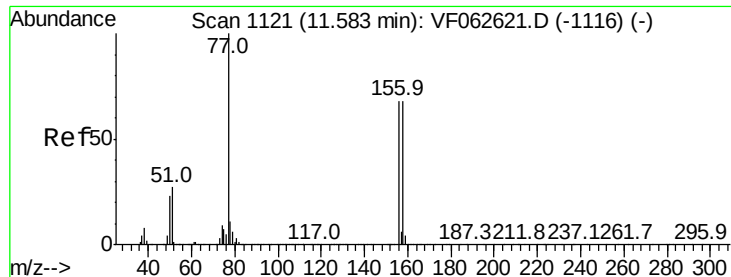
Tgt Ion: 75 Resp: 81162

Ion Ratio Lower Upper

75 100

77 35.0 20.6 61.8





#77

Bromobenzene

Concen: 20.276 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

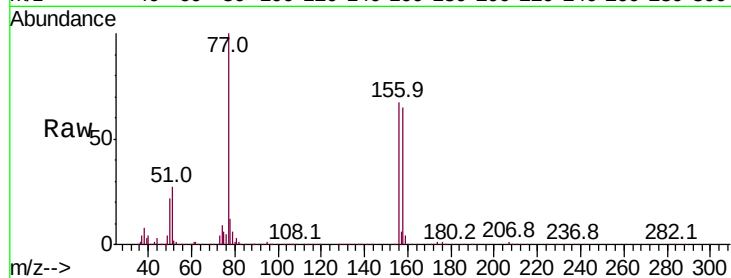
Tot Ion:156 Resp: 152376

Ion Ratio Lower Upper

156 100

77 148.4 73.6 220.8

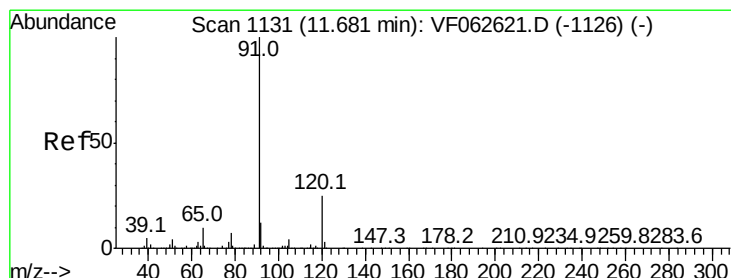
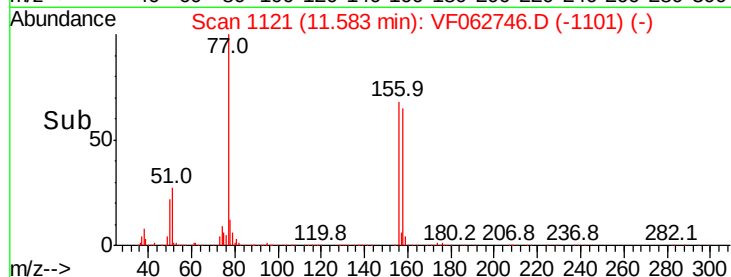
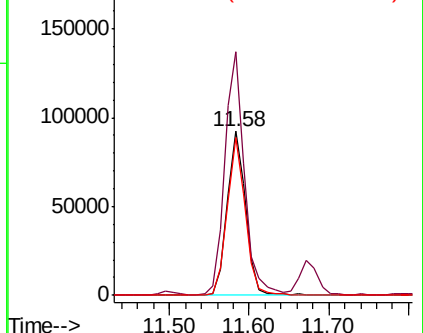
158 96.5 49.6 148.8



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: 21.720 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062746.D

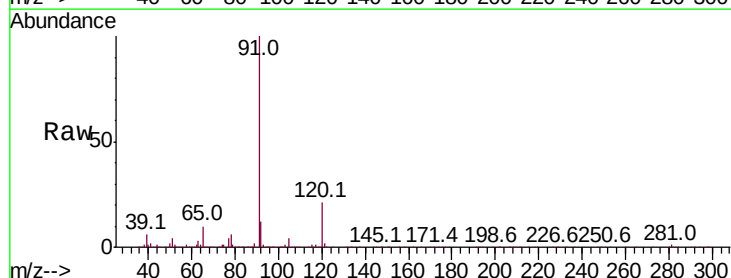
Acq: 24 May 2019 14:42

Tgt Ion: 91 Resp: 777163

Ion Ratio Lower Upper

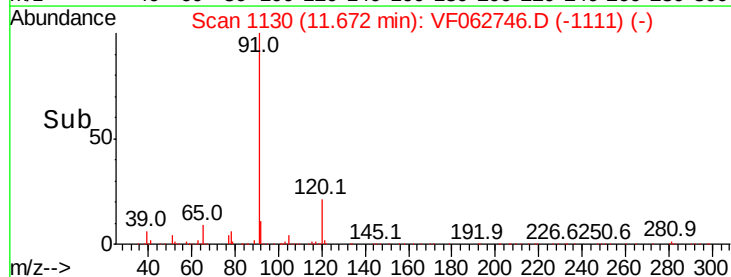
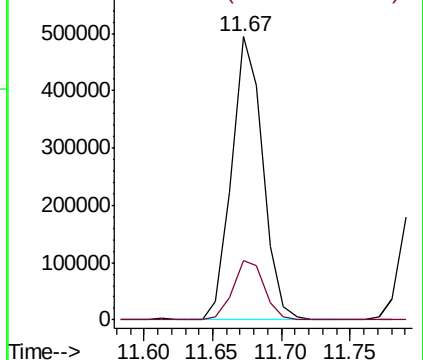
91 100

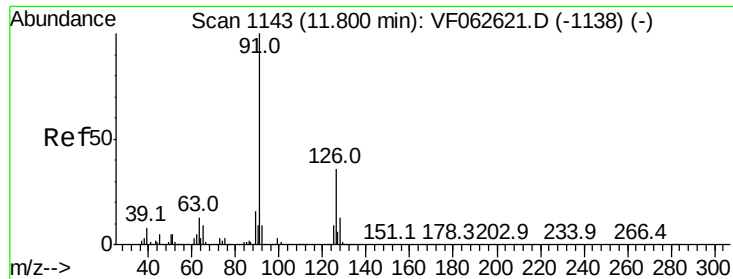
120 20.9 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.927 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

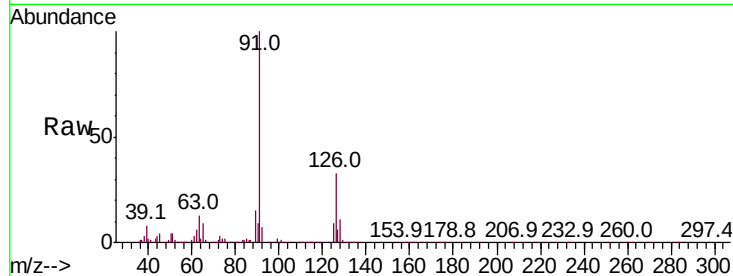
VF0524SBSD01

Tot Ion: 91 Resp: 421992

Ion Ratio Lower Upper

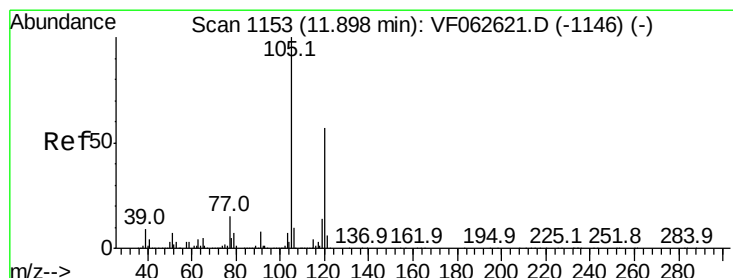
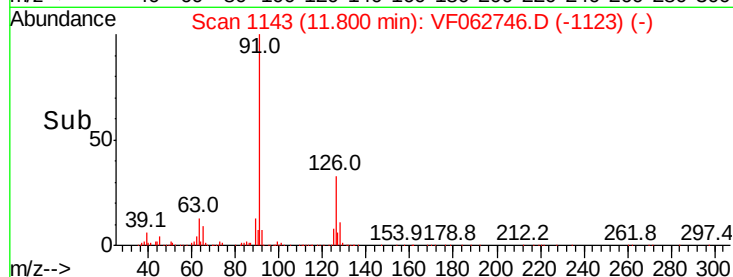
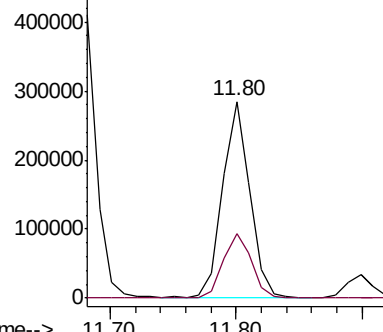
91 100

126 33.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.063 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062746.D

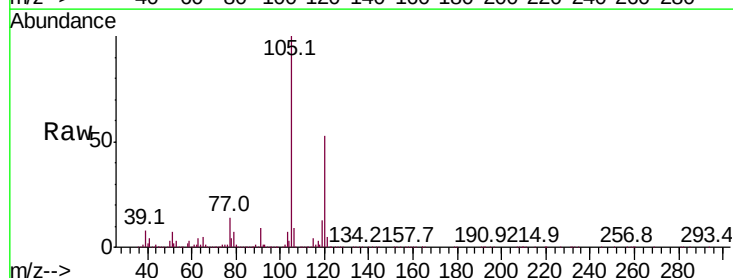
Acq: 24 May 2019 14:42

Tgt Ion:105 Resp: 534863

Ion Ratio Lower Upper

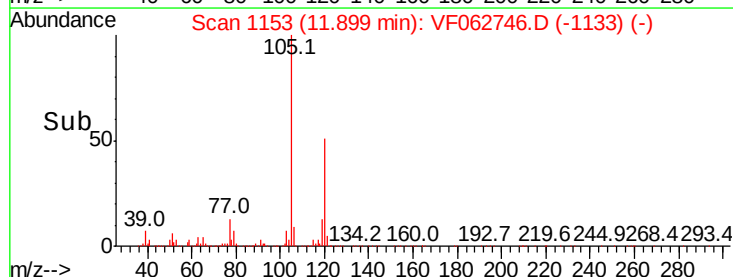
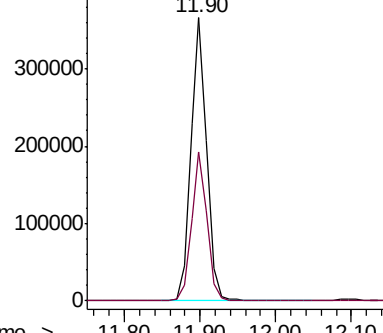
105 100

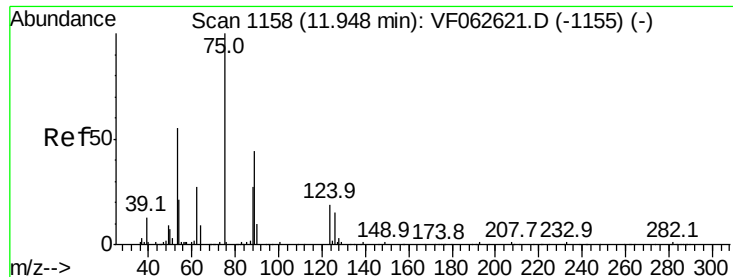
120 52.9 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.739 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

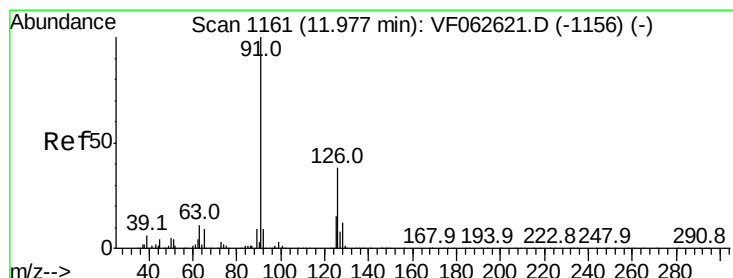
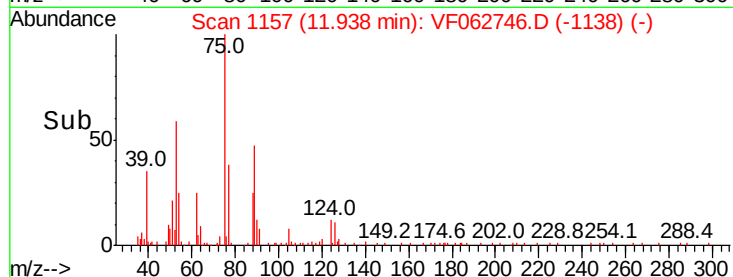
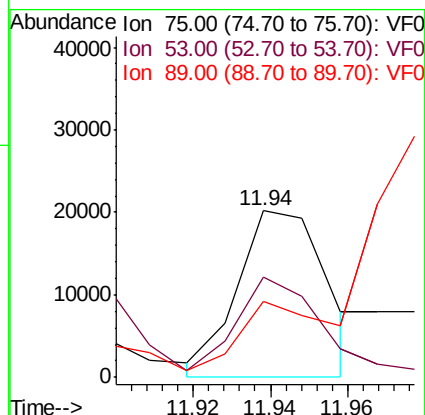
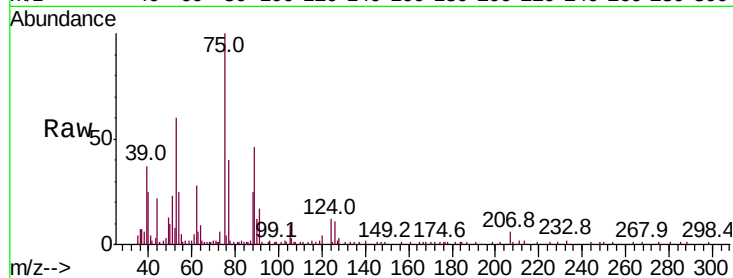
Tot Ion: 75 Resp: 32011

Ion Ratio Lower Upper

75 100

53 60.0 46.9 70.3

89 45.9 36.4 54.6



#82

4-Chlorotoluene

Concen: 21.883 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062746.D

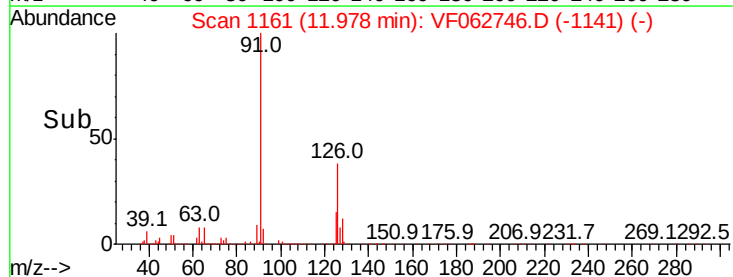
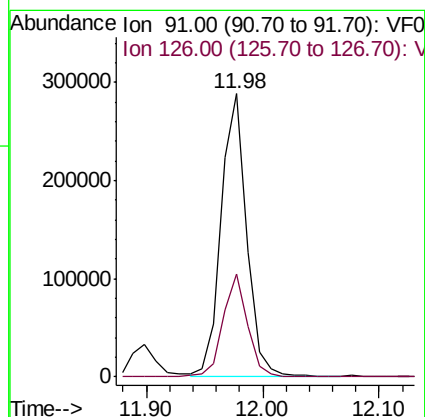
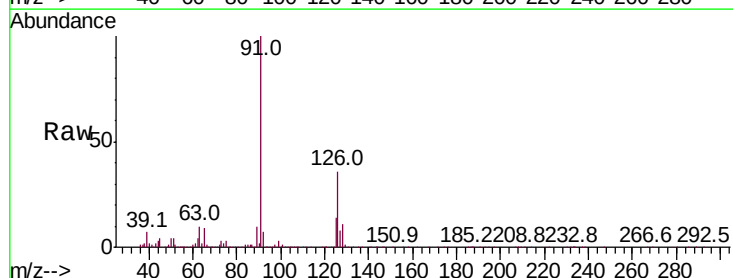
Acq: 24 May 2019 14:42

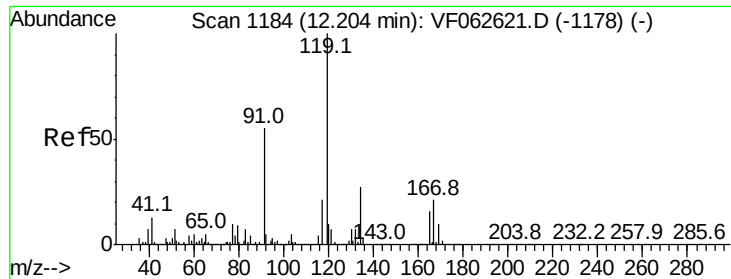
Tgt Ion: 91 Resp: 435139

Ion Ratio Lower Upper

91 100

126 36.5 19.1 57.1

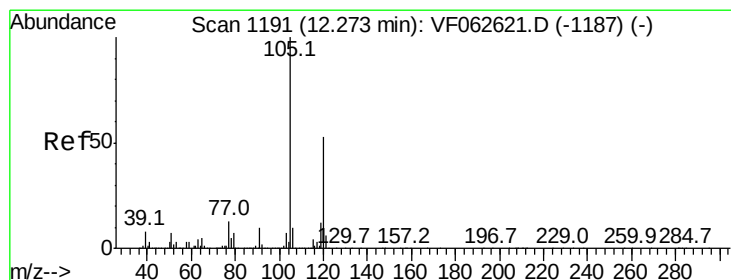
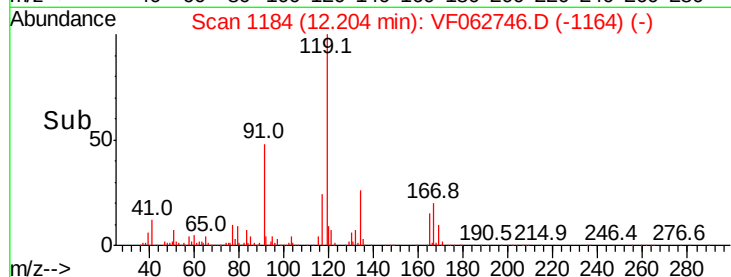
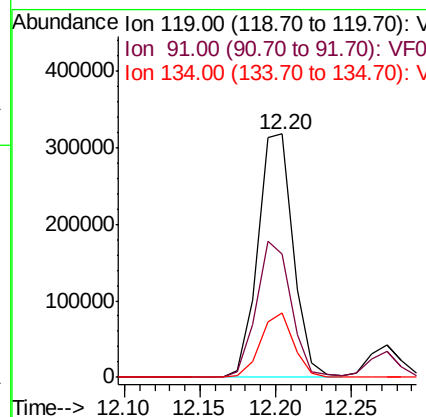
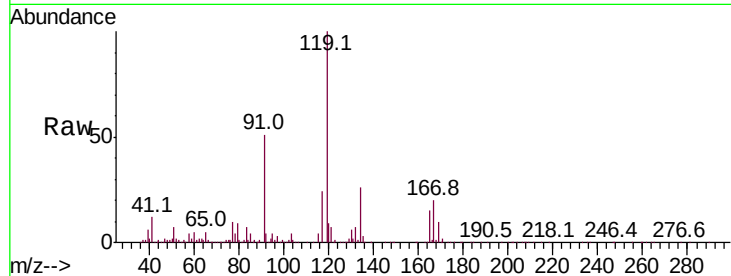




#83
 tert-Butylbenzene
 Concen: 21.177 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

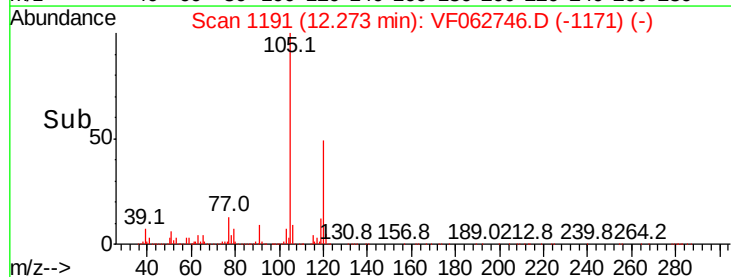
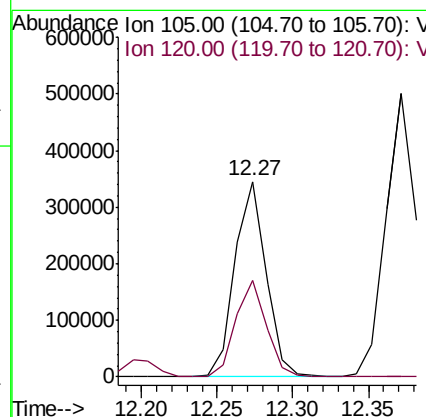
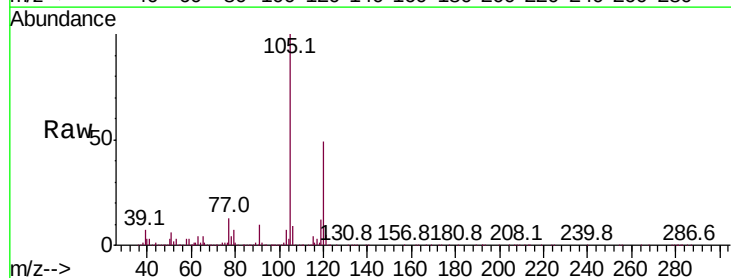
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

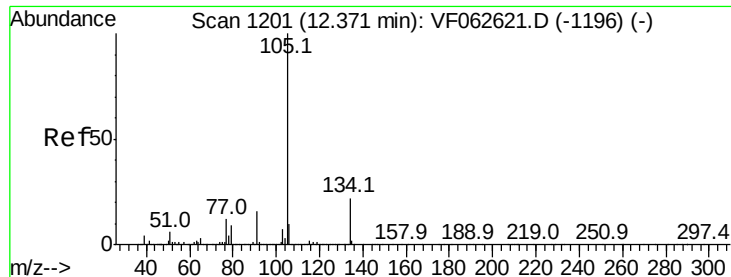
Tot Ion:119 Resp: 520863
 Ion Ratio Lower Upper
 119 100
 91 50.6 27.3 81.9
 134 26.2 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.064 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

Tgt Ion:105 Resp: 494246
 Ion Ratio Lower Upper
 105 100
 120 49.2 26.7 80.1





#85

sec-Butylbenzene

Concen: 21.555 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

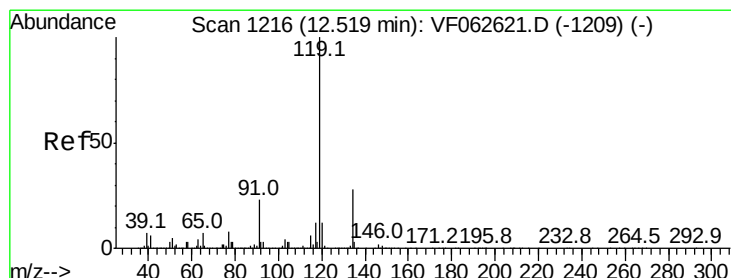
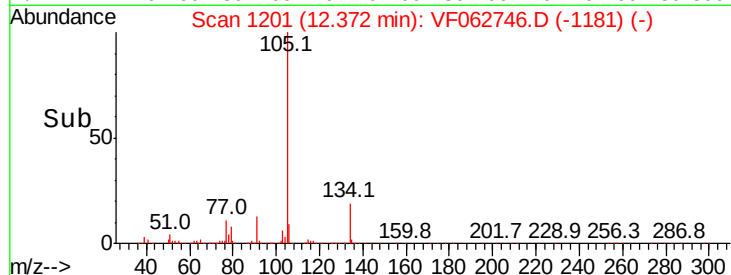
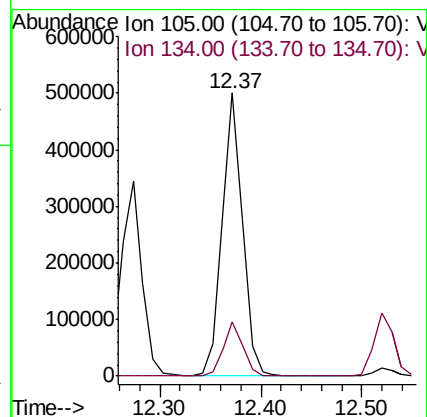
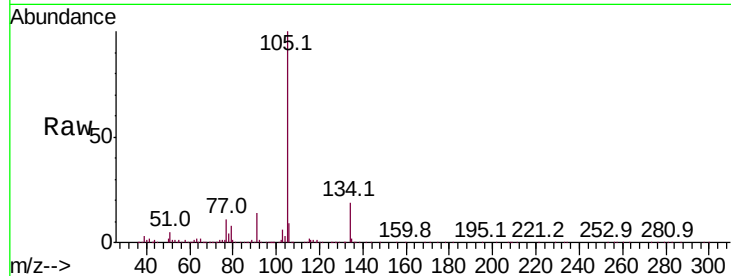
VF0524SBS01

Tot Ion:105 Resp: 711474

Ion Ratio Lower Upper

105 100

134 19.2 10.8 32.4



#86

p-Isopropyltoluene

Concen: 21.085 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

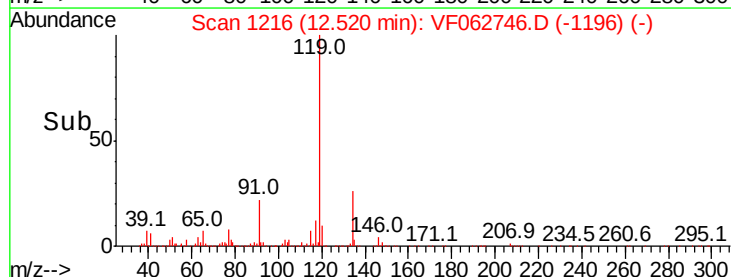
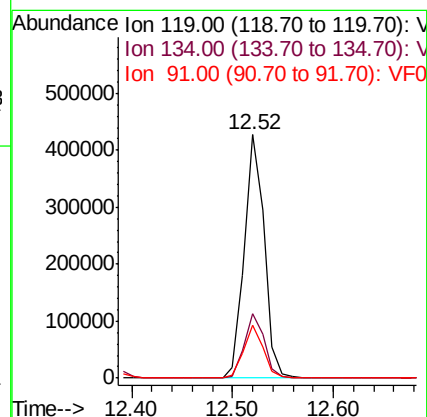
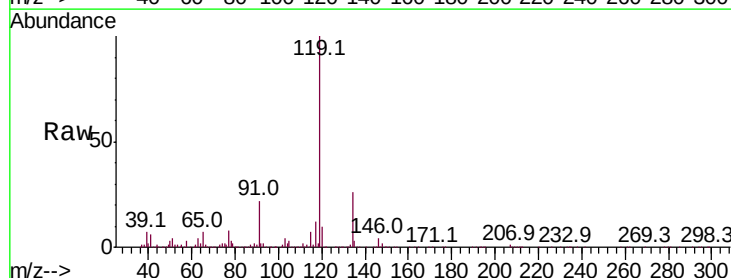
Tgt Ion:119 Resp: 586521

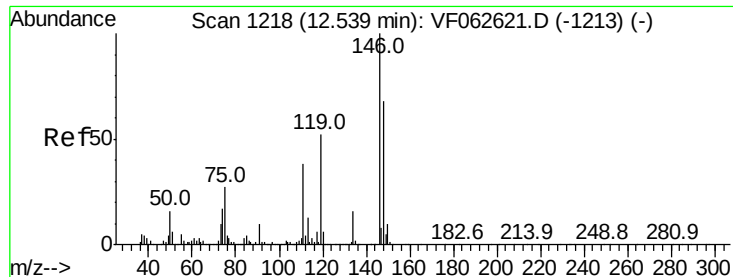
Ion Ratio Lower Upper

119 100

134 26.3 14.1 42.3

91 21.7 11.4 34.2

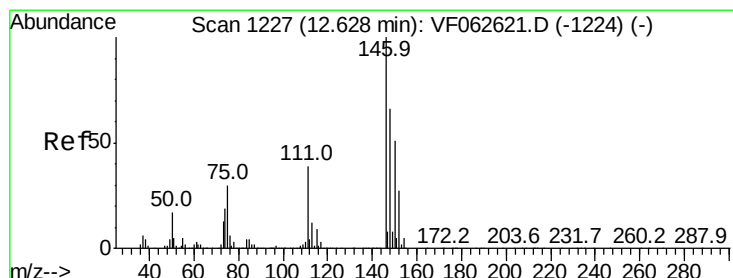
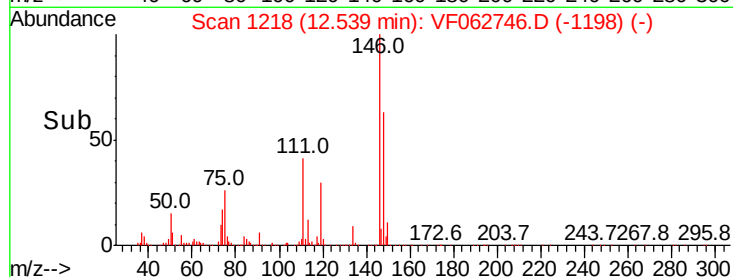
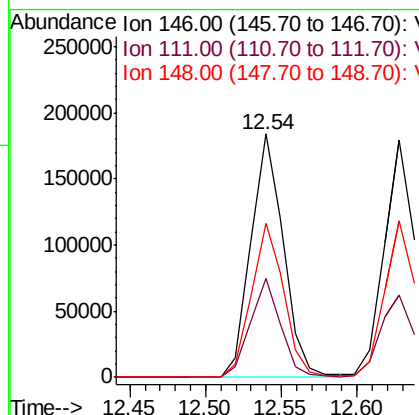
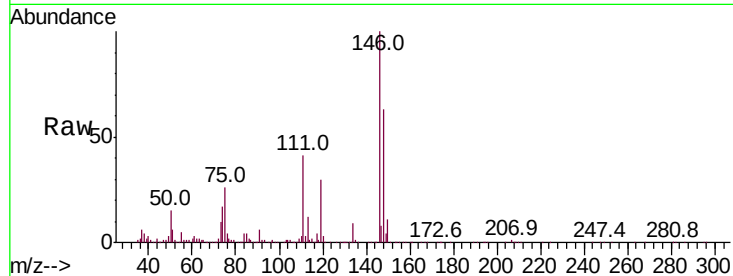




#87
 1,3-Dichlorobenzene
 Concen: 20.347 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

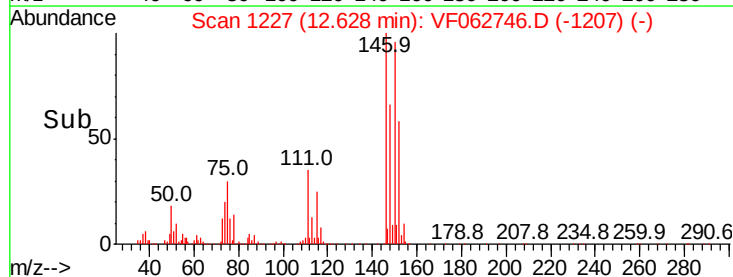
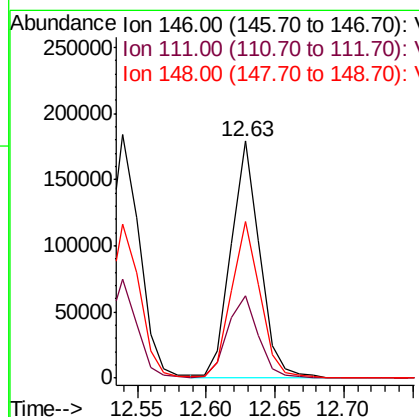
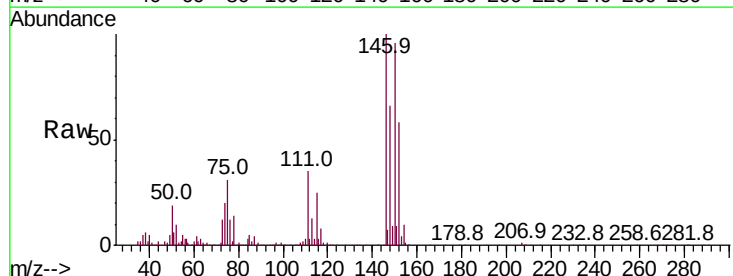
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBSD01

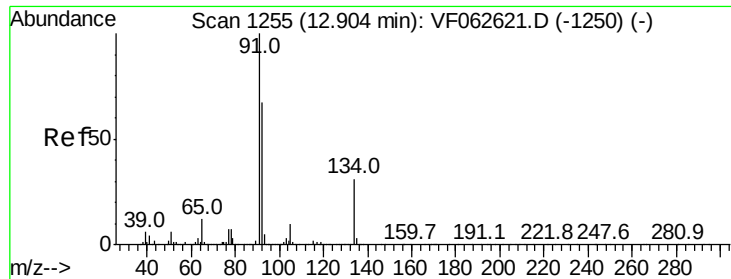
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.9	56.9
148	63.0	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 20.486 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	19.4	58.2
148	66.3	33.2	99.6

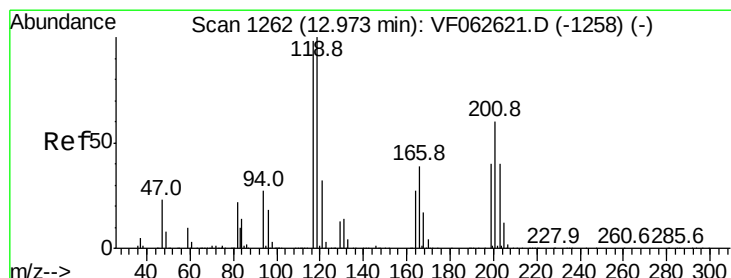
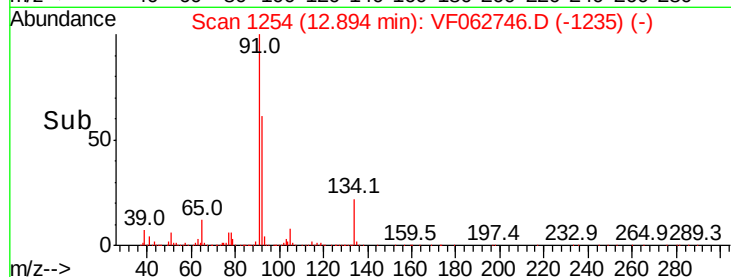
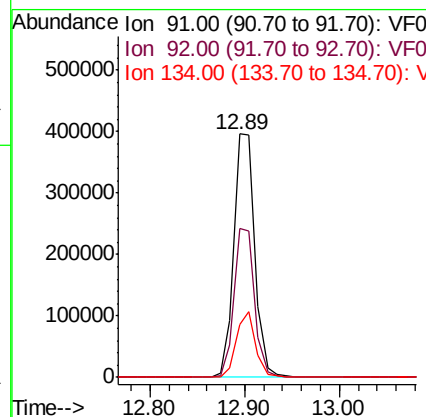
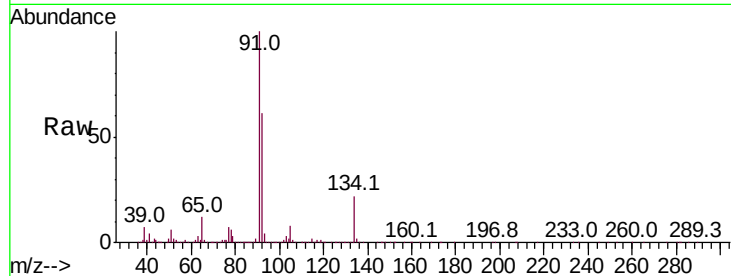




#89
n-Butylbenzene
Concen: 22.222 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

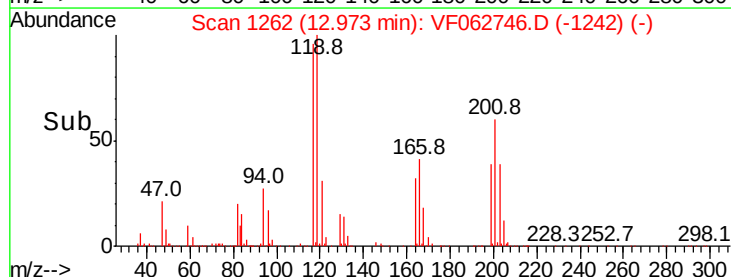
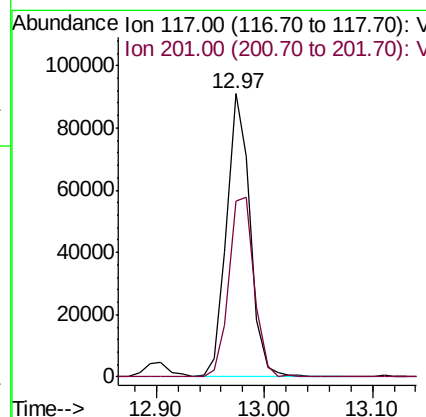
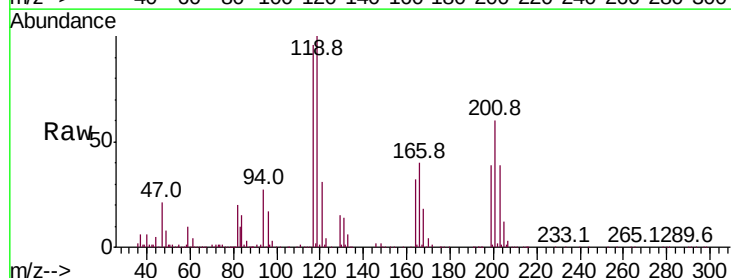
Instrument :
MSVOA_F
ClientSampleId :
VF0524SBS01

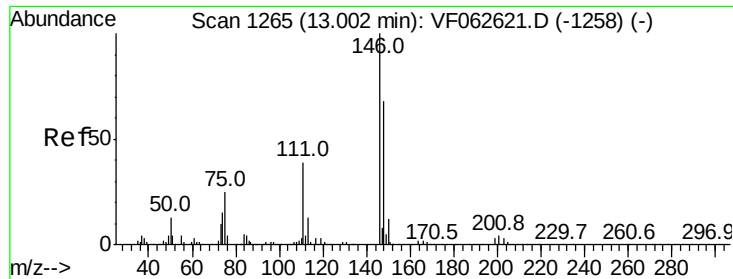
Tot Ion: 91 Resp: 609466
Ion Ratio Lower Upper
91 100
92 61.4 33.3 99.8
134 22.0 15.4 46.4



#90
Hexachloroethane
Concen: 20.594 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062746.D
Acq: 24 May 2019 14:42

Tgt Ion: 117 Resp: 137423
Ion Ratio Lower Upper
117 100
201 62.3 30.7 92.1

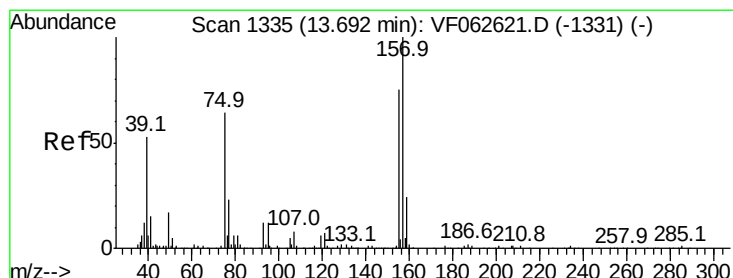
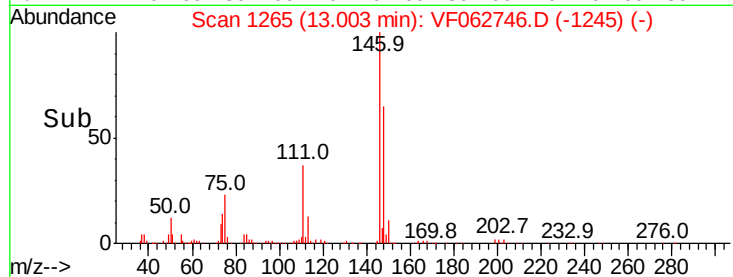
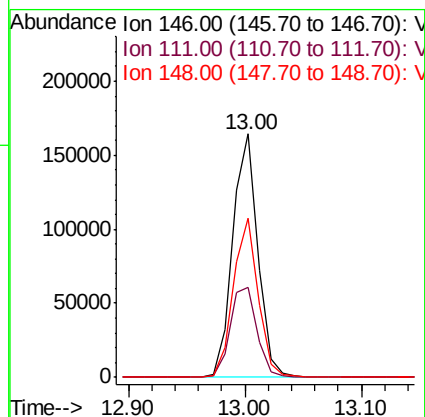
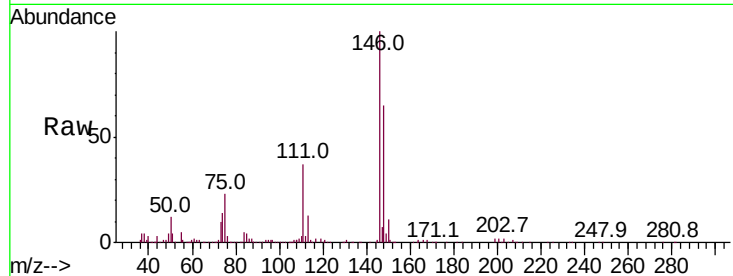




#91
 1,2-Dichlorobenzene
 Concen: 20.197 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

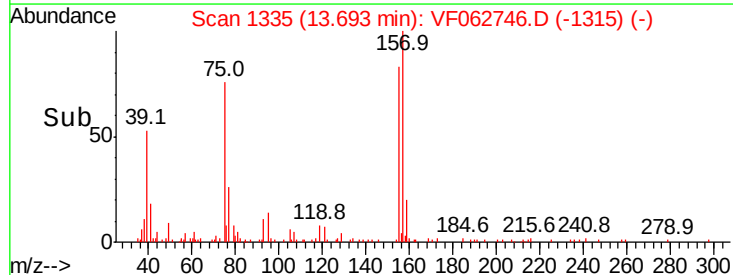
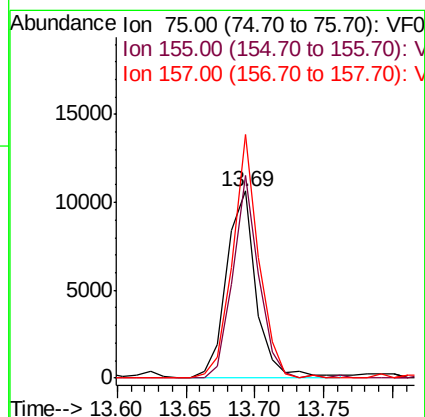
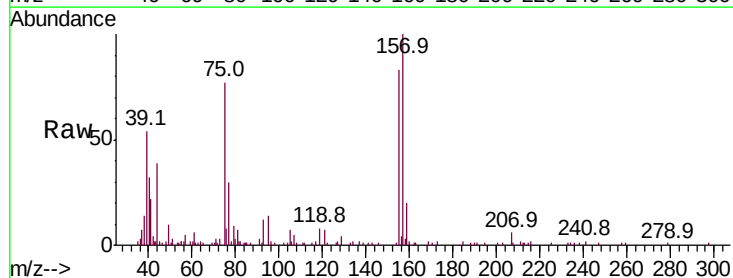
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

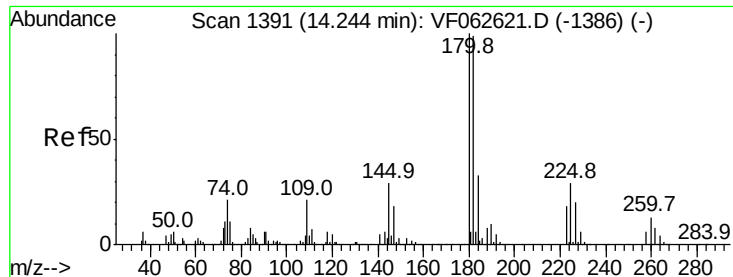
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.8	59.3
148	65.5	34.1	102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.665 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.4	58.1	174.3
157	130.2	77.8	233.4

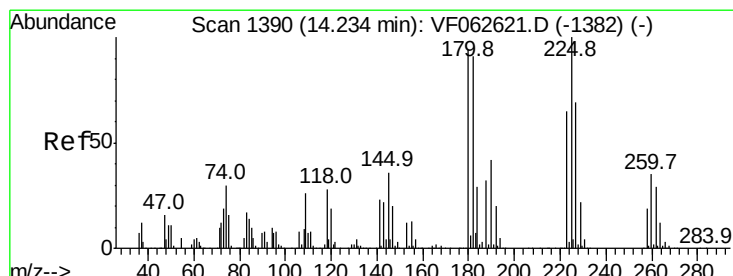
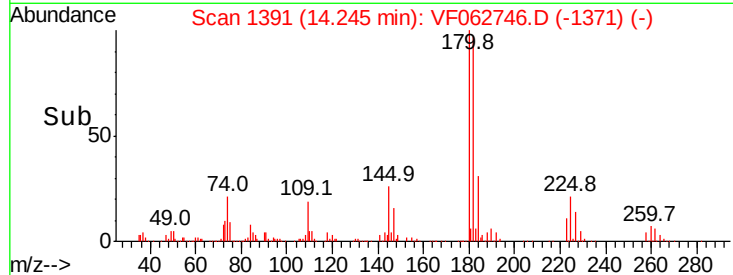
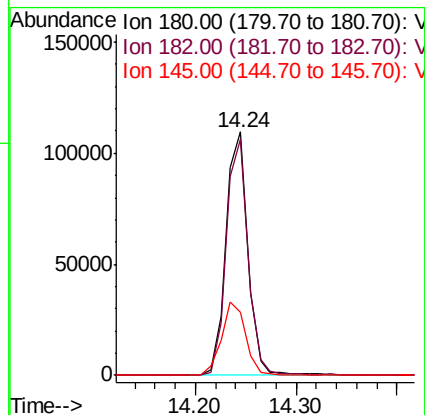
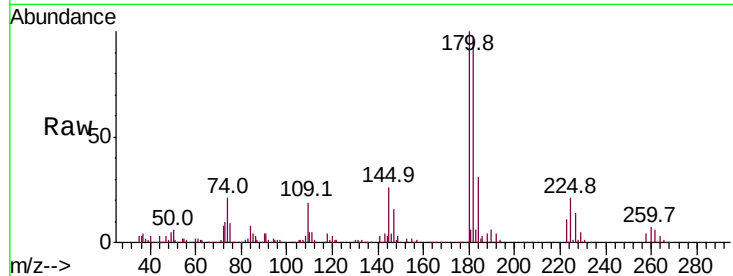




#93
 1,2,4-Trichlorobenzene
 Concen: 19.222 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

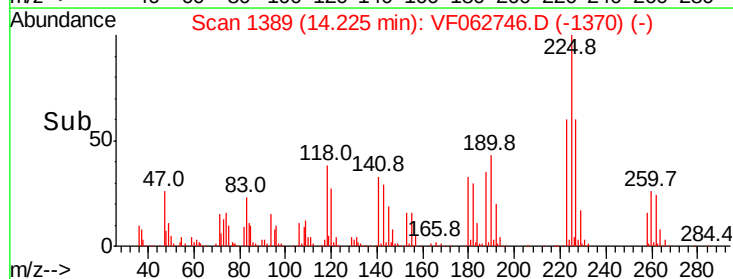
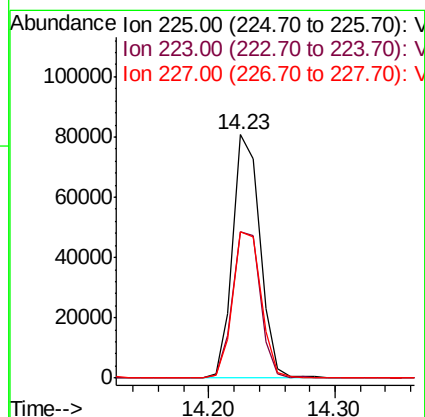
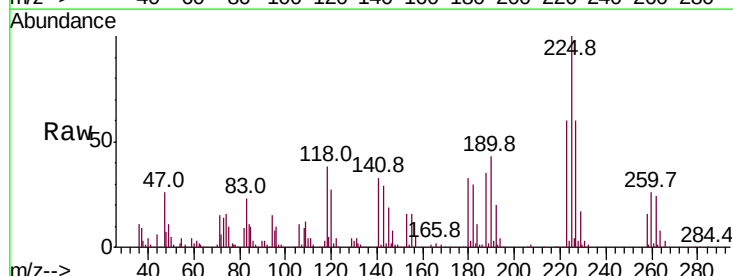
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

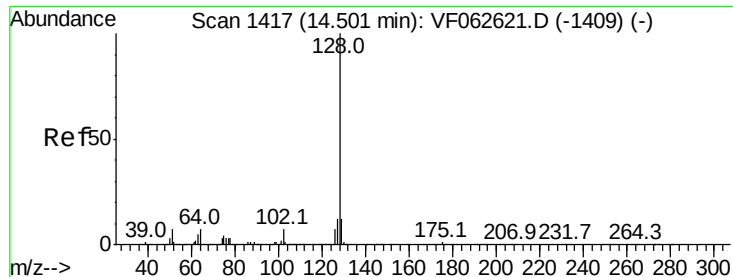
Tot Ion:180 Resp: 166760
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.7 149.1
 145 25.9 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 19.978 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062746.D
 Acq: 24 May 2019 14:42

Tgt Ion:225 Resp: 120951
 Ion Ratio Lower Upper
 225 100
 223 59.9 32.5 97.4
 227 60.1 34.5 103.5





#95

Naphthalene

Concen: 16.794 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

Instrument :

MSVOA_F

ClientSampleId :

VF0524SBS01

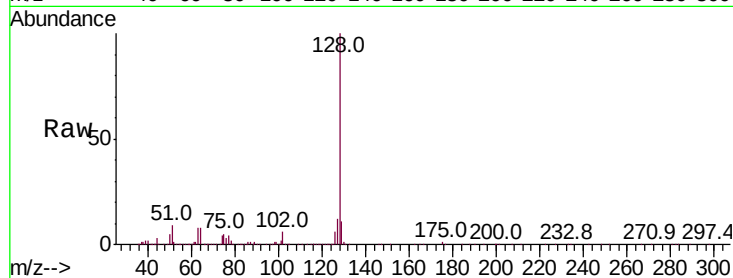
Tot Ion:128 Resp: 264680

Ion Ratio Lower Upper

128 100

127 12.0 9.7 14.5

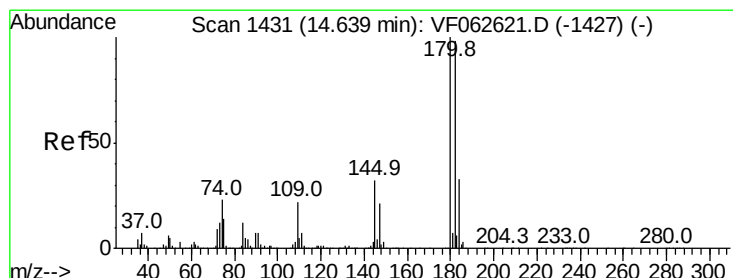
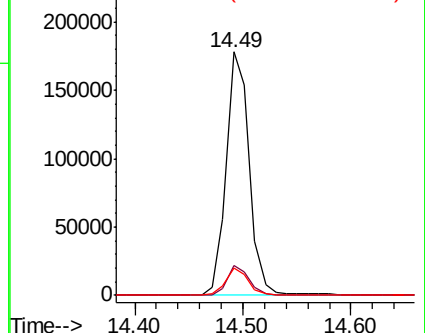
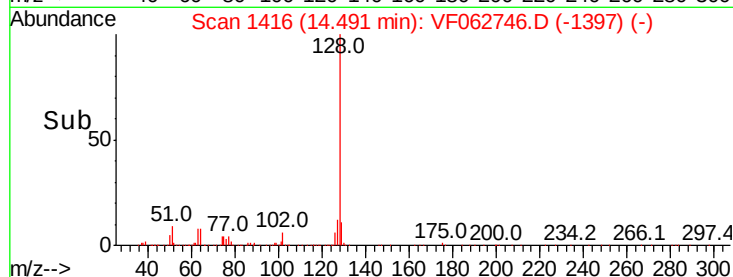
129 11.0 9.3 13.9



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: 18.291 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062746.D

Acq: 24 May 2019 14:42

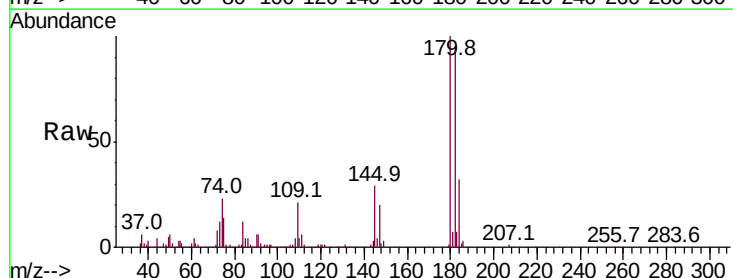
Tgt Ion:180 Resp: 150301

Ion Ratio Lower Upper

180 100

182 94.8 48.9 146.7

145 29.4 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

