

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062625.D
 Acq On : 16 May 2019 14:09
 Operator : FY/SY
 Sample : VSTDCCC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC075

Quant Time: May 17 05:04:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	792904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1332058	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1039772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	501785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	388802	69.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.78%	
35) Dibromofluoromethane	4.32	113	686564	67.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.72%	
50) Toluene-d8	7.72	98	1686878	69.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.62%	
62) 4-Bromofluorobenzene	11.50	95	619429	67.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	760239	70.456	ug/l	99
3) Chloromethane	1.15	50	718640	72.331	ug/l	100
4) Vinyl Chloride	1.20	62	665839	72.805	ug/l	97
5) Bromomethane	1.41	94	351752	70.306	ug/l	92
6) Chloroethane	1.45	64	235523	70.120	ug/l	89
7) Trichlorofluoromethane	1.56	101	903380	78.086	ug/l	87
8) Diethyl Ether	1.72	74	185157	76.111	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	554349	70.896	ug/l	97
10) Methyl Iodide	1.98	142	1121697	73.027	ug/l	97
11) Tert butyl alcohol	2.70	59	136592	369.249	ug/l	98
12) 1,1-Dichloroethene	1.88	96	514295	72.203	ug/l	97
13) Acrolein	2.10	56	119574	309.663	ug/l	100
14) Allyl chloride	2.20	41	603054	86.169	ug/l	99
15) Acrylonitrile	3.10	53	383028	367.070	ug/l	94
16) Acetone	2.35	43	503359	346.282	ug/l	93
17) Carbon Disulfide	1.93	76	1541771	75.965	ug/l	99
18) Methyl Acetate	2.47	43	165006	66.424	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	974573	76.538	ug/l	99
20) Methylene Chloride	2.34	84	338569	46.738	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	520467	74.758	ug/l	96
22) Diisopropyl ether	2.95	45	1169950	73.583	ug/l	97
23) Vinyl Acetate	3.36	43	3886649	362.372	ug/l	98
24) 1,1-Dichloroethane	3.02	63	878229	75.294	ug/l	98
25) 2-Butanone	4.54	43	1111351	357.850	ug/l	98
26) 2,2-Dichloropropane	3.79	77	505669	75.770	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	850317	74.251	ug/l	99
28) Bromochloromethane	3.91	49	436099	66.664	ug/l	91
29) Tetrahydrofuran	4.27	42	462840	368.285	ug/l	100
30) Chloroform	4.06	83	1201664	74.202	ug/l	98
31) Cyclohexane	3.89	56	1165416	80.256	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	813609	75.649	ug/l	97
36) 1,1-Dichloropropene	4.48	75	969064	70.996	ug/l	97
37) Ethyl Acetate	4.31	43	381551	68.463	ug/l	91
38) Carbon Tetrachloride	4.19	117	959165	99.740	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062625.D
 Acq On : 16 May 2019 14:09
 Operator : FY/SY
 Sample : VSTDCCC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC075

Quant Time: May 17 05:04:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	1193819	72.689	ug/l	95
40) Benzene	4.83	78	2652265	71.326	ug/l	98
41) Methacrylonitrile	4.94	41	201319	68.902	ug/l	93
42) 1,2-Dichloroethane	5.14	62	559887	75.505	ug/l	99
43) Isopropyl Acetate	7.12	43	481337	66.666	ug/l #	94
44) Trichloroethene	5.69	130	744665	71.253	ug/l	93
45) 1,2-Dichloropropane	6.42	63	672749	71.670	ug/l	95
46) Dibromomethane	6.27	93	386270	71.203	ug/l	94
47) Bromodichloromethane	6.56	83	829561	73.660	ug/l	99
48) Methyl methacrylate	6.88	41	275378	72.970	ug/l	95
49) 1,4-Dioxane	6.88	88	68517	1417.535	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	1611255	326.478	ug/l	100
52) Toluene	7.79	92	1411040	72.356	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	677278	73.507	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	940895	72.951	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	416337	72.104	ug/l	95
56) Ethyl methacrylate	8.77	69	477845	69.463	ug/l	96
57) 1,3-Dichloropropane	9.00	76	727209	73.941	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	797257	356.051	ug/l	99
59) 2-Hexanone	9.62	43	1142096	316.513	ug/l	99
60) Dibromochloromethane	8.87	129	575461	76.468	ug/l	98
61) 1,2-Dibromoethane	9.14	107	471470	76.874	ug/l	94
64) Tetrachloroethene	8.31	164	591844	71.849	ug/l	98
65) Chlorobenzene	9.94	112	1478916	72.417	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	585528	71.420	ug/l	100
67) Ethyl Benzene	10.04	91	2507413	70.676	ug/l	97
68) m/p-Xylenes	10.27	106	1893191	141.981	ug/l	97
69) o-Xylene	10.83	106	1020946	74.336	ug/l	89
70) Styrene	10.90	104	1448635	69.395	ug/l	99
71) Bromoform	10.89	173	310110	75.525	ug/l #	100
73) Isopropylbenzene	11.22	105	2589673	72.008	ug/l	96
74) N-amyl acetate	11.45	43	632304	56.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	507757	69.086	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	316644	65.569	ug/l	92
77) Bromobenzene	11.59	156	635184	71.054	ug/l	97
78) n-propylbenzene	11.67	91	2821231	66.285	ug/l	100
79) 2-Chlorotoluene	11.80	91	1677434	69.933	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	1921043	66.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	199689	74.425	ug/l	97
82) 4-Chlorotoluene	11.98	91	1652733	69.872	ug/l	94
83) tert-Butylbenzene	12.20	119	2042731	69.820	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1962264	70.305	ug/l	93
85) sec-Butylbenzene	12.37	105	2683371	68.343	ug/l	96
86) p-Isopropyltoluene	12.52	119	2301464	69.553	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	1138158	70.372	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	1059812	69.828	ug/l	95
89) n-Butylbenzene	12.90	91	2118335	64.931	ug/l	99
90) Hexachloroethane	12.98	117	569314	71.723	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	986768	68.446	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	66750	76.130	ug/l	92

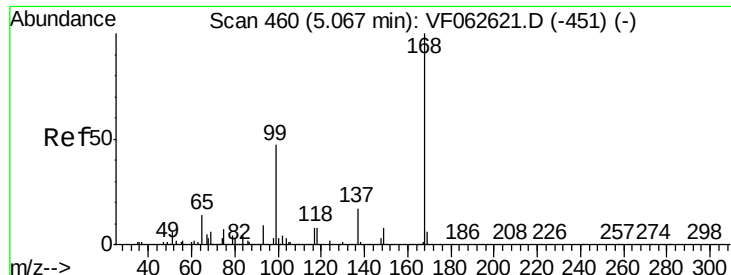
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
Data File : VF062625.D
Acq On : 16 May 2019 14:09
Operator : FY/SY
Sample : VSTDCCC075
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Quant Time: May 17 05:04:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	741233	71.828	ug/l	100
94) Hexachlorobutadiene	14.23	225	537667	74.658	ug/l	96
95) Naphthalene	14.49	128	1297453	69.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	716067	73.257	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

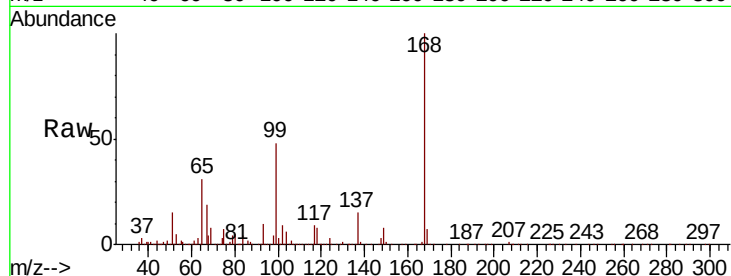
VSTDIC075

Tot Ion:168 Resp: 792904

Ion Ratio Lower Upper

168 100

99 47.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

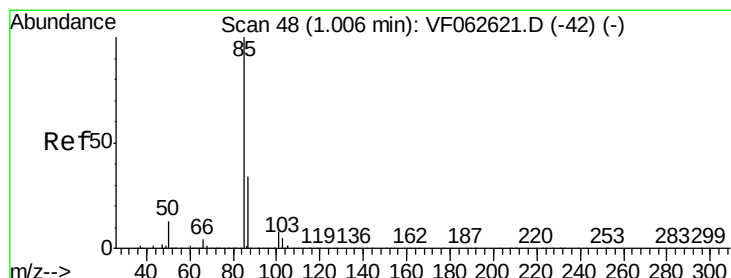
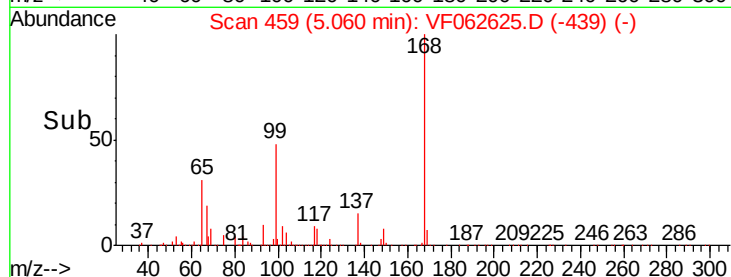
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 70.456 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062625.D

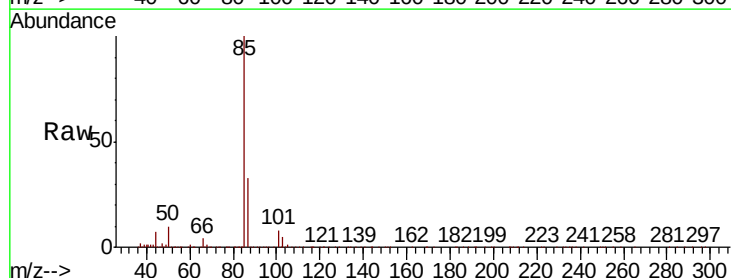
Acq: 16 May 2019 14:09

Tgt Ion: 85 Resp: 760239

Ion Ratio Lower Upper

85 100

87 32.7 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

200000

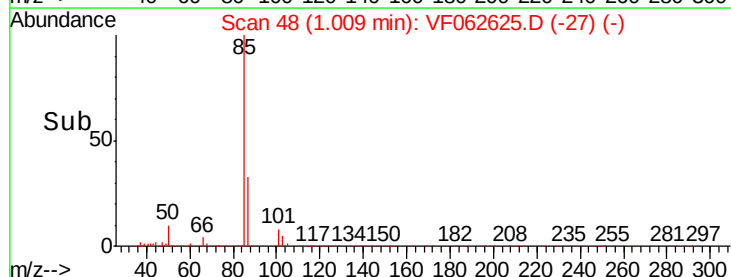
150000

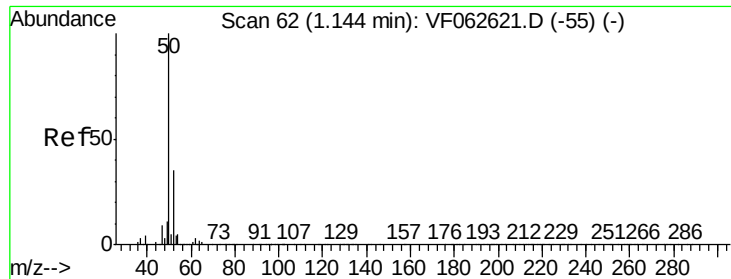
100000

50000

0

Time-->

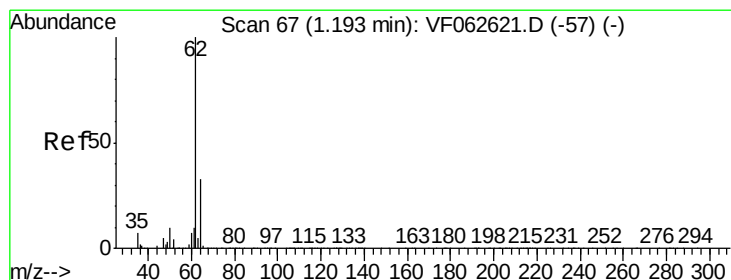
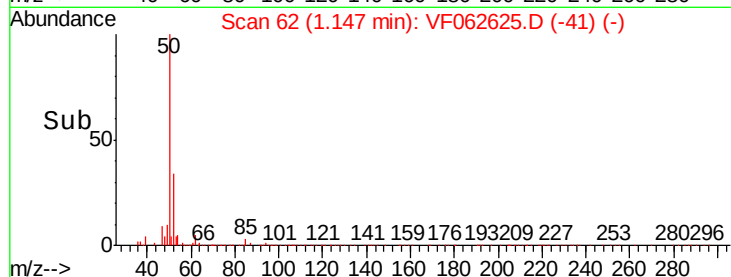
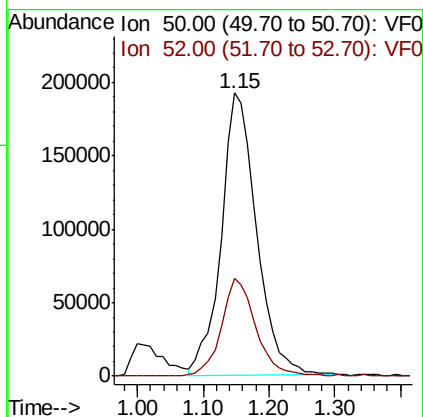
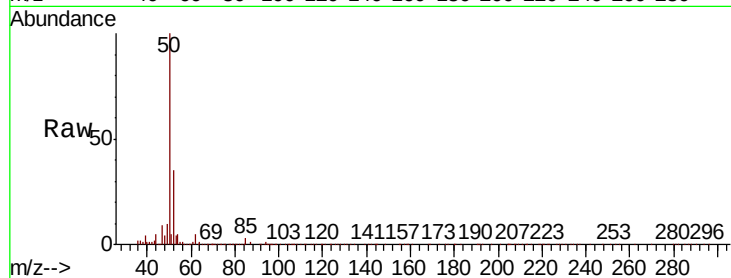




#3
Chloromethane
Concen: 72.331 ug/l
RT: 1.15 min Scan# 62
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

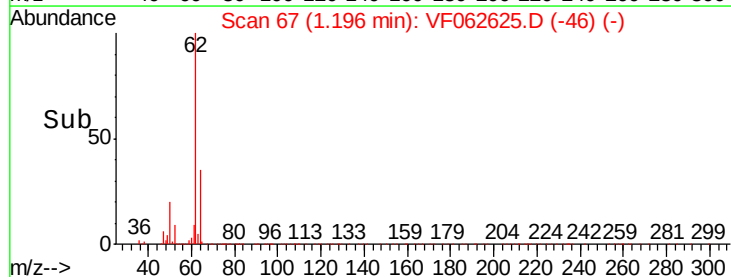
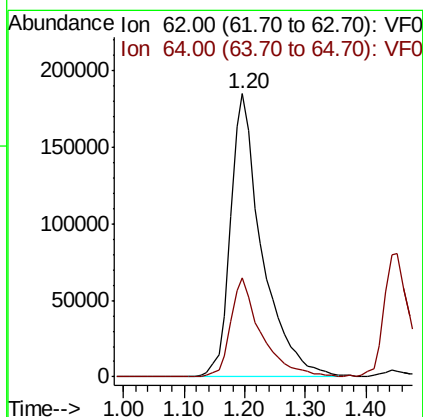
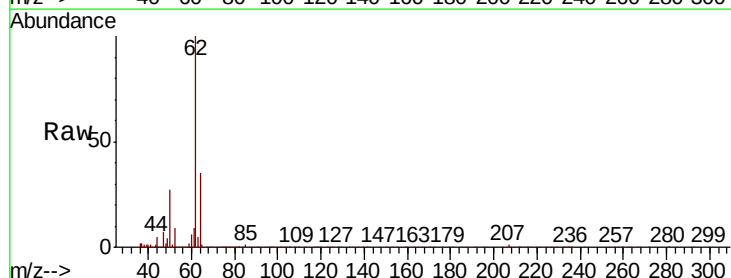
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

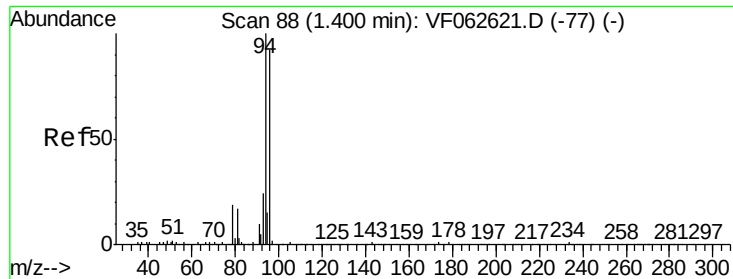
Tot Ion: 50 Resp: 718640
Ion Ratio Lower Upper
50 100
52 34.6 27.5 41.3



#4
Vinyl Chloride
Concen: 72.805 ug/l
RT: 1.20 min Scan# 67
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 62 Resp: 665839
Ion Ratio Lower Upper
62 100
64 35.1 26.7 40.1





#5

Bromomethane

Concen: 70.306 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

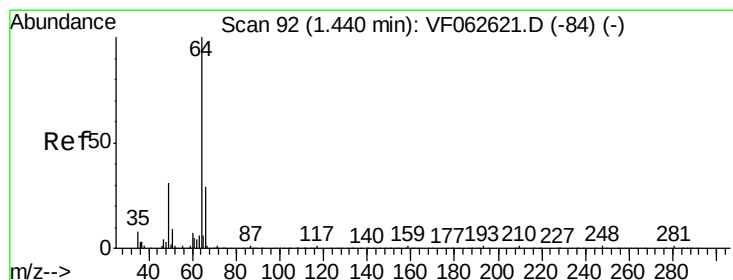
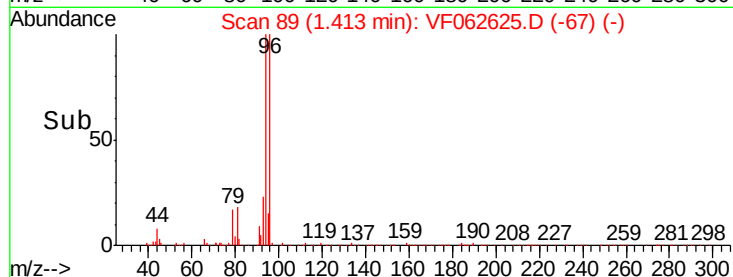
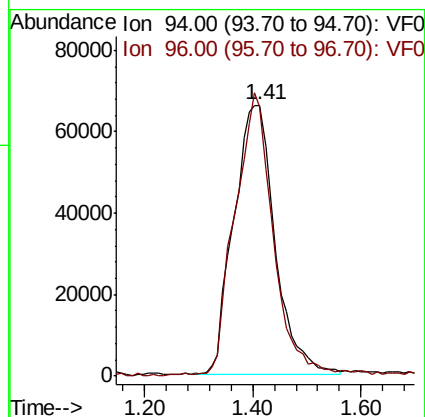
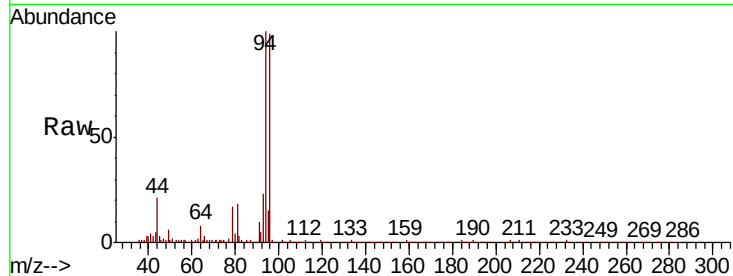
VSTDIC075

Tot Ion: 94 Resp: 351752

Ion Ratio Lower Upper

94 100

96 99.2 73.2 109.8



#6

Chloroethane

Concen: 70.120 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062625.D

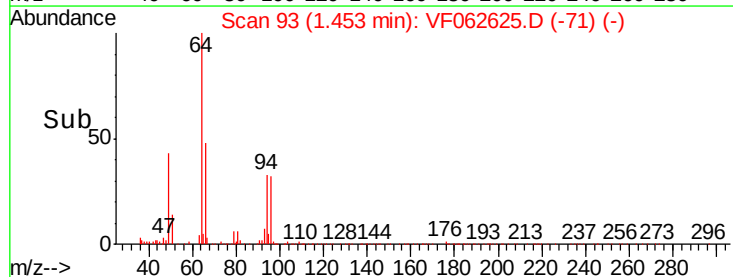
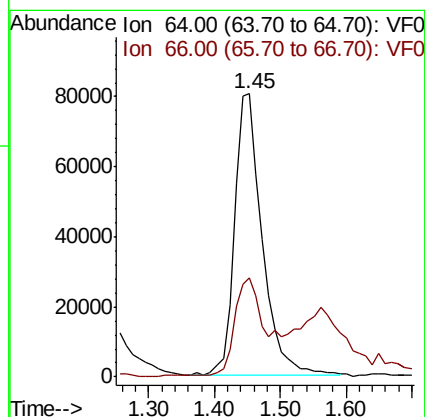
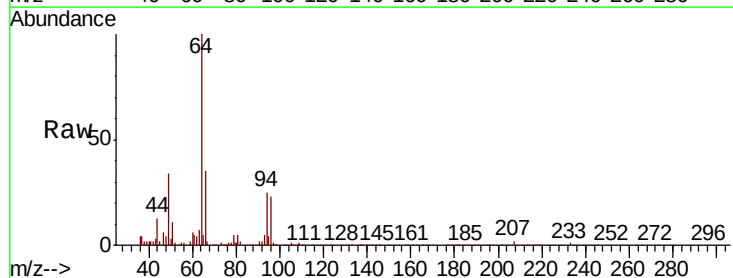
Acq: 16 May 2019 14:09

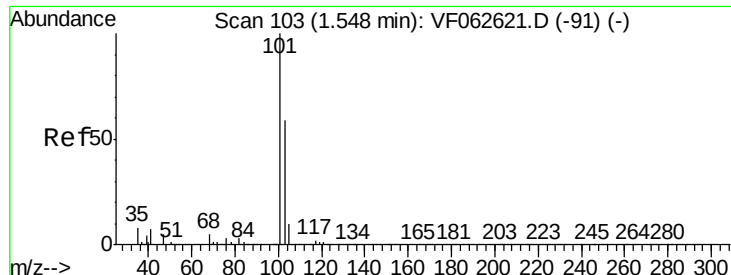
Tgt Ion: 64 Resp: 235523

Ion Ratio Lower Upper

64 100

66 35.1 23.4 35.2



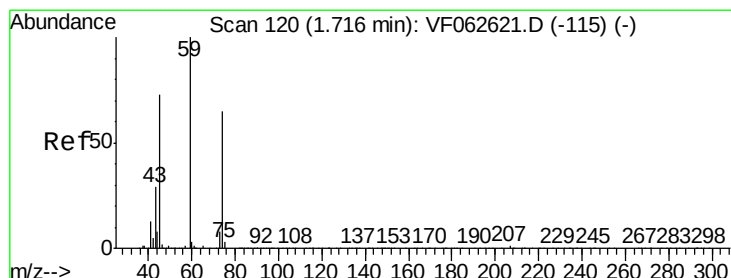
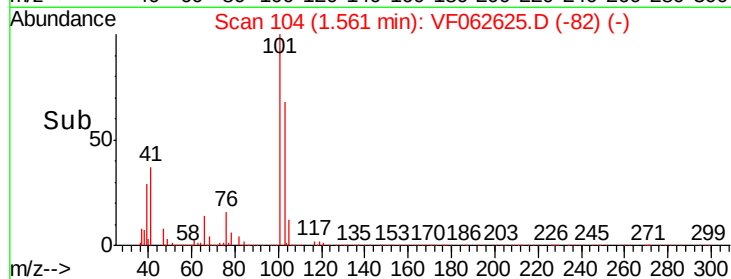
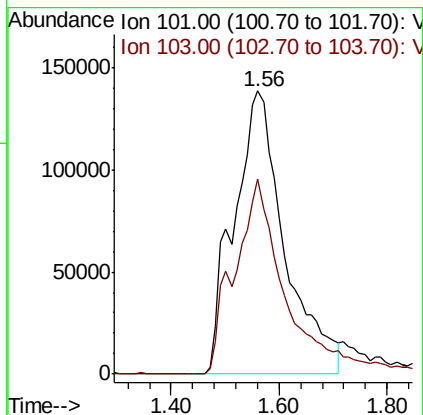
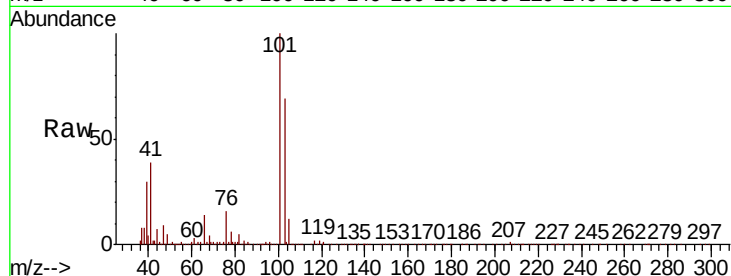


#7

Trichlorofluoromethane
Concen: 78.086 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

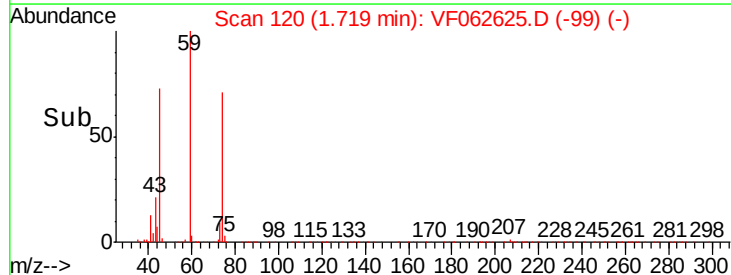
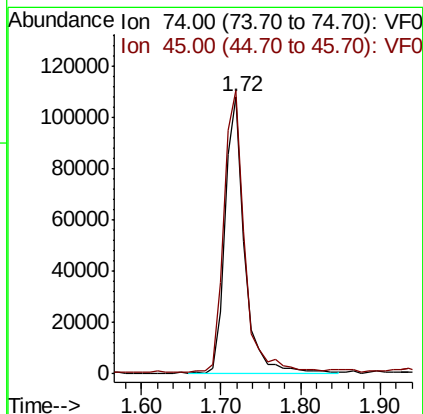
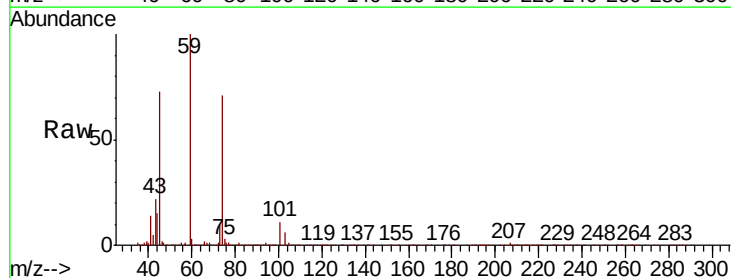
Tot Ion:101 Resp: 903380
Ion Ratio Lower Upper
101 100
103 68.7 47.3 70.9

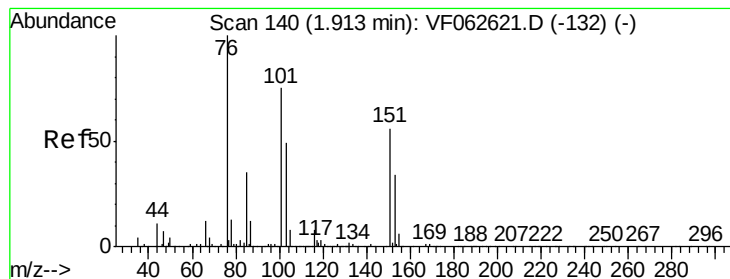


#8

Diethyl Ether
Concen: 76.111 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 74 Resp: 185157
Ion Ratio Lower Upper
74 100
45 102.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.896 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

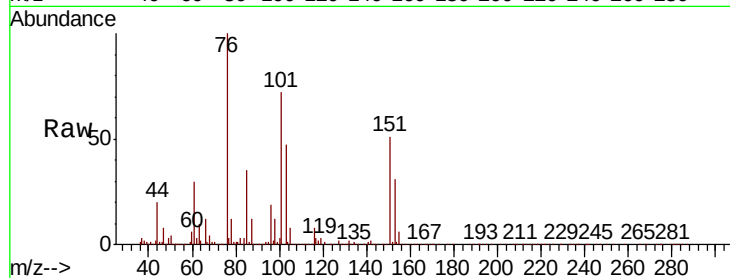
Tot Ion:101 Resp: 554349

Ion Ratio Lower Upper

101 100

85 48.2 37.1 55.7

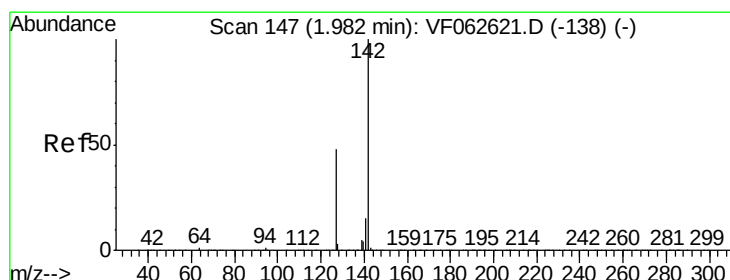
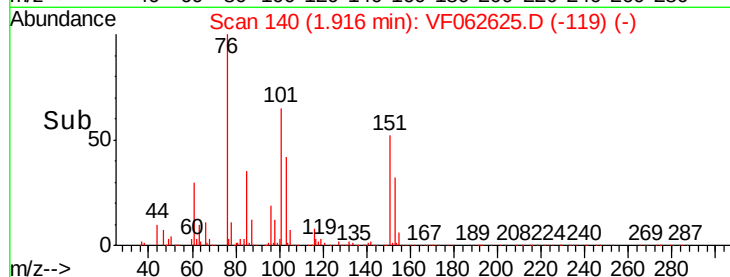
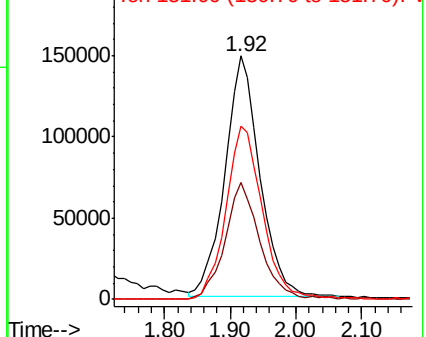
151 71.0 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 73.027 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

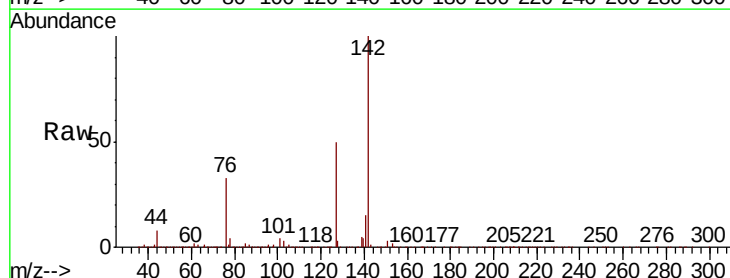
Tgt Ion:142 Resp: 1121697

Ion Ratio Lower Upper

142 100

127 50.0 38.1 57.1

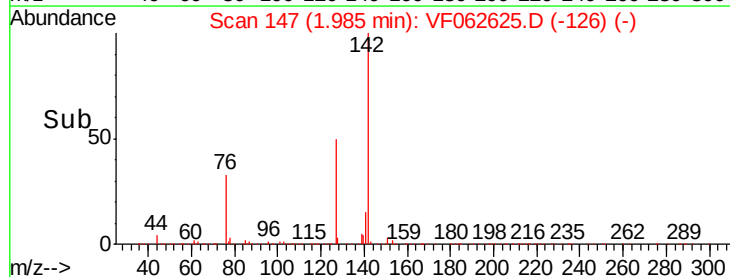
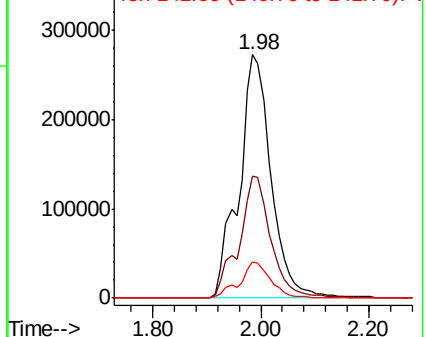
141 14.7 11.7 17.5

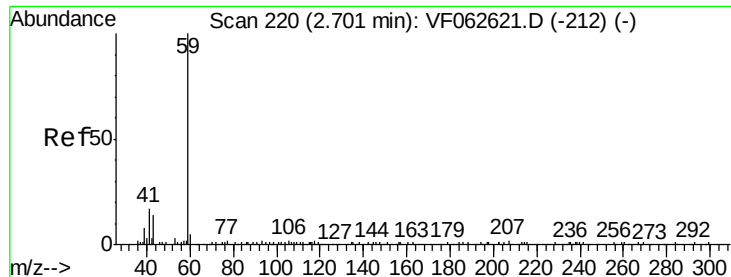


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

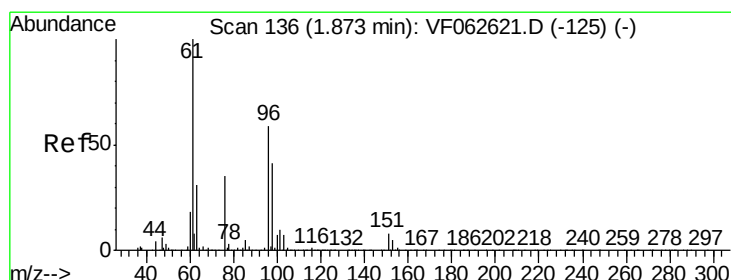
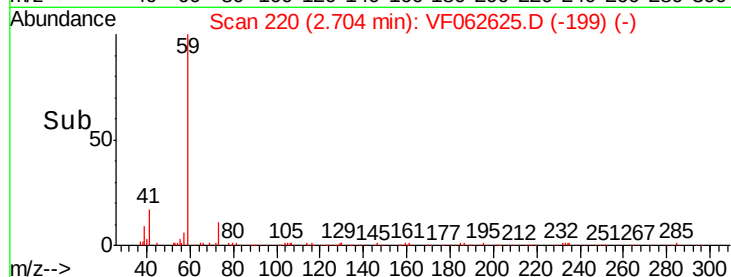
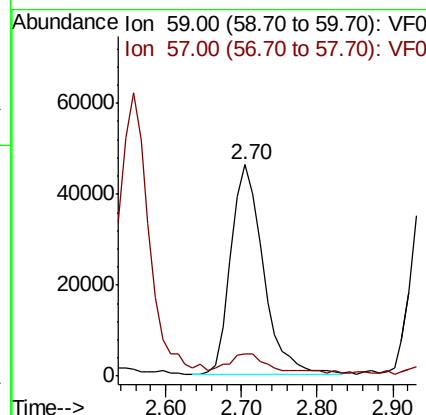
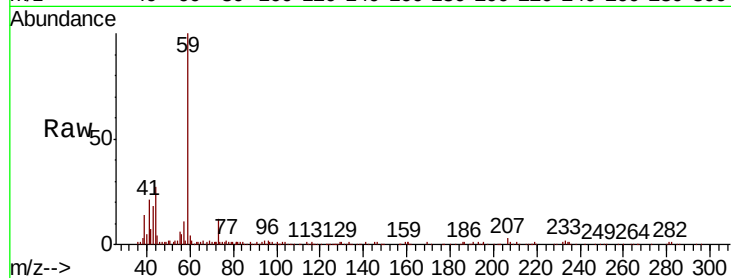




#11
Tert butyl alcohol
Concen: 369.249 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

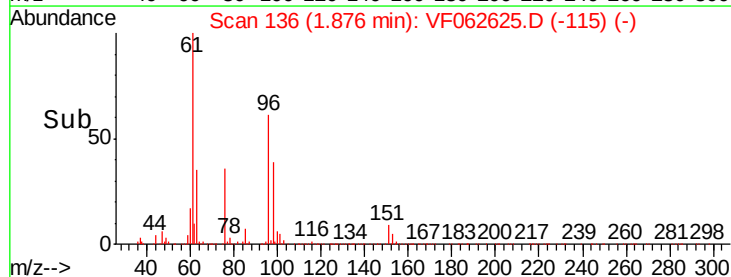
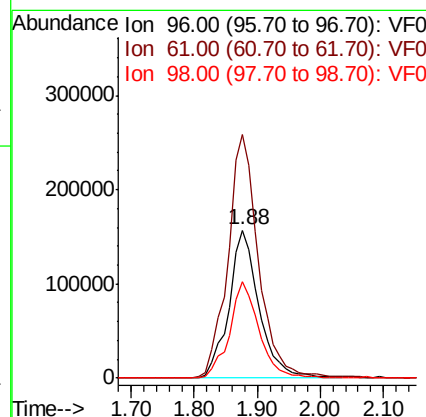
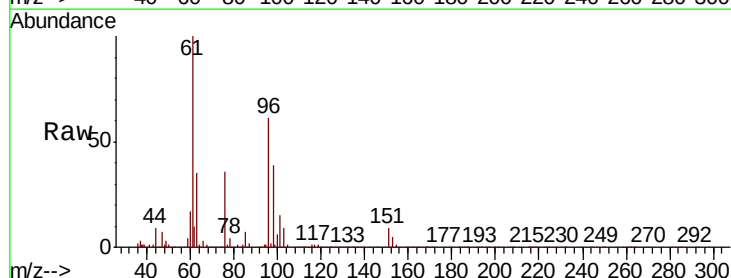
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

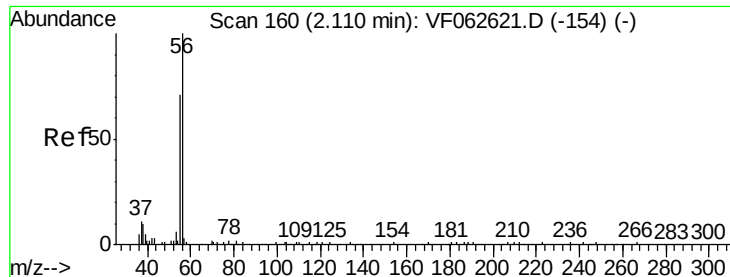
Tot Ion: 59 Resp: 136592
Ion Ratio Lower Upper
59 100
57 10.8 9.3 13.9



#12
1,1-Dichloroethene
Concen: 72.203 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 96 Resp: 514295
Ion Ratio Lower Upper
96 100
61 164.6 134.3 201.5
98 64.9 55.0 82.6

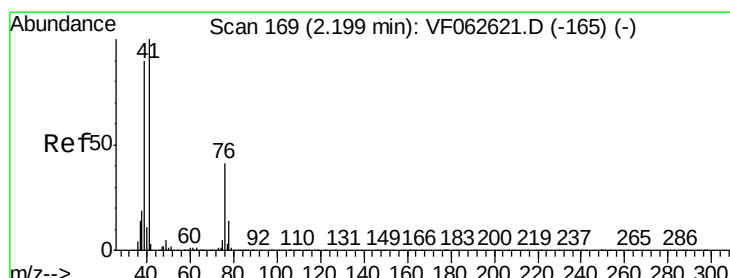
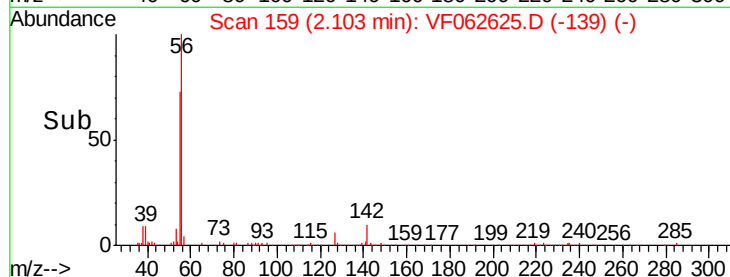
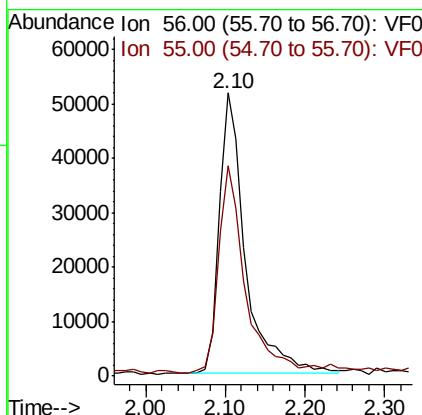
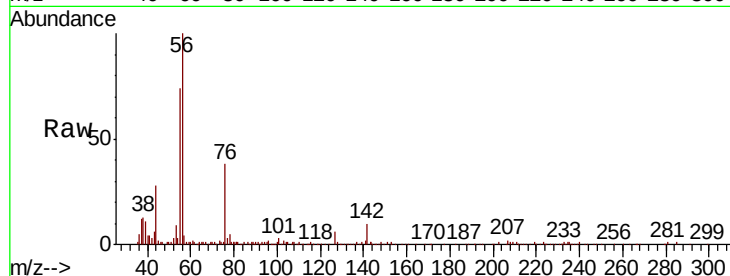




#13
Acrolein
Concen: 309.663 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

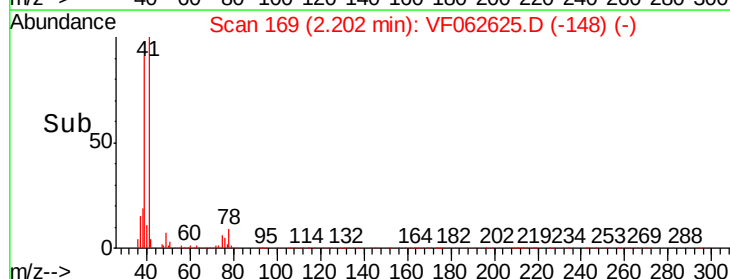
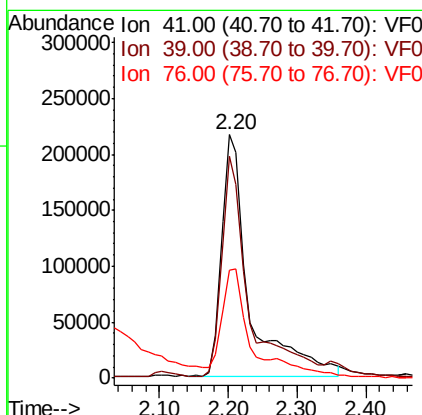
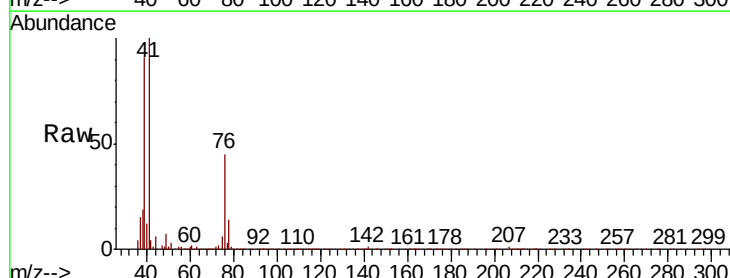
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

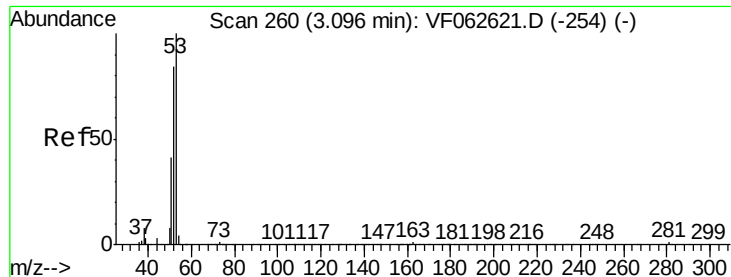
Tot Ion: 56 Resp: 119574
Ion Ratio Lower Upper
56 100
55 74.4 59.4 89.0



#14
Allyl chloride
Concen: 86.169 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 41 Resp: 603054
Ion Ratio Lower Upper
41 100
39 91.0 72.0 108.0
76 44.6 34.8 52.2





#15

Acrylonitrile

Concen: 367.070 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

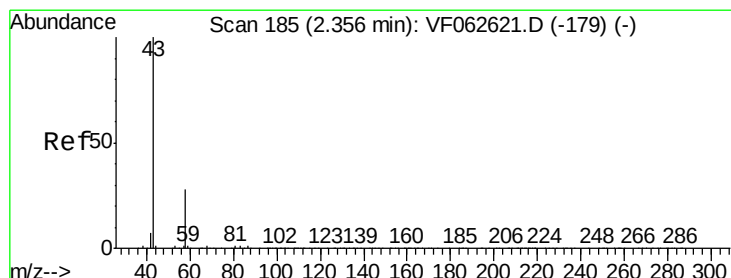
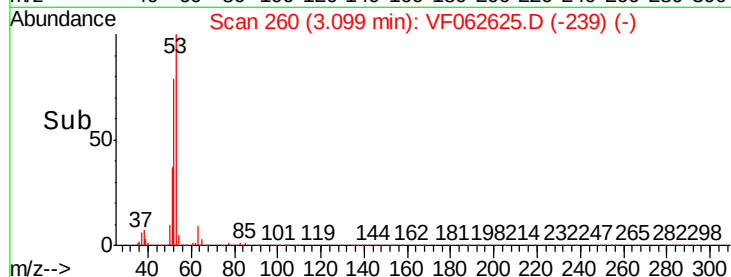
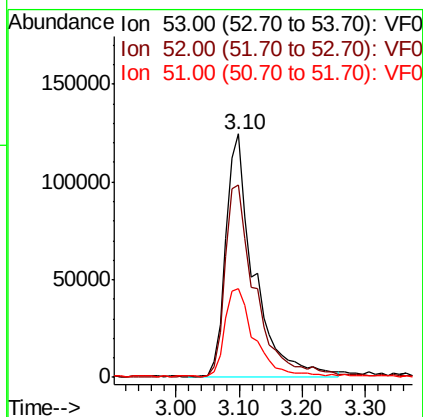
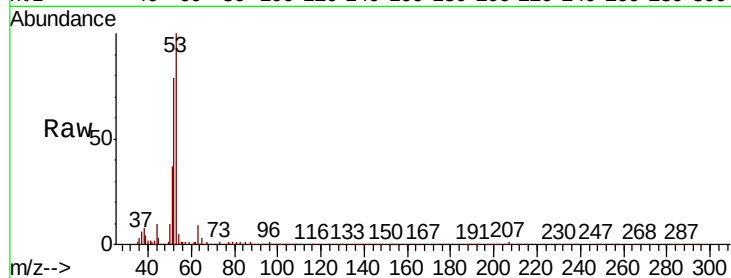
Tot Ion: 53 Resp: 383028

Ion Ratio Lower Upper

53 100

52 79.0 67.3 100.9

51 36.6 33.0 49.6



#16

Acetone

Concen: 346.282 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062625.D

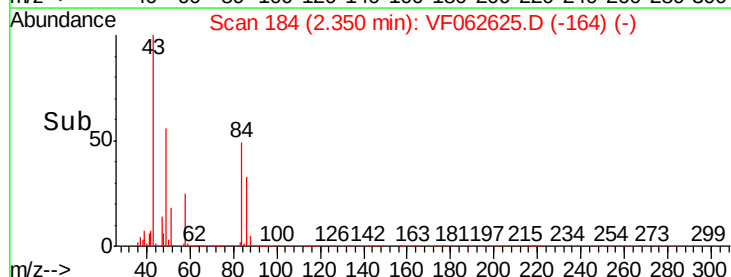
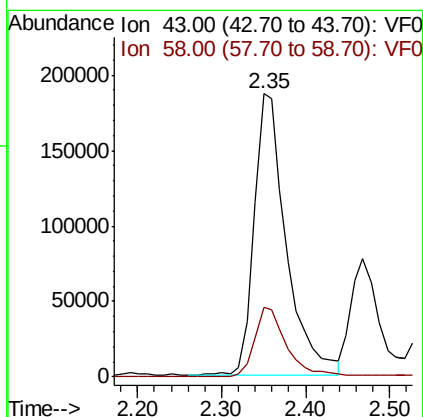
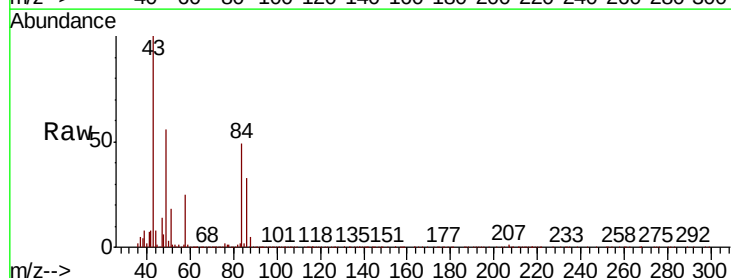
Acq: 16 May 2019 14:09

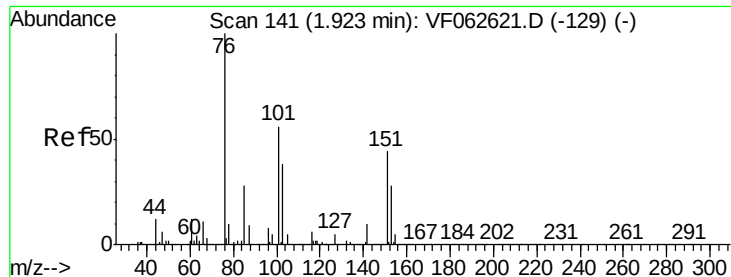
Tgt Ion: 43 Resp: 503359

Ion Ratio Lower Upper

43 100

58 24.6 22.6 33.8





#17

Carbon Disulfide

Concen: 75.965 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

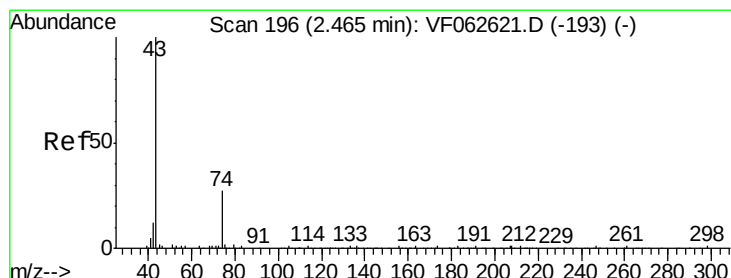
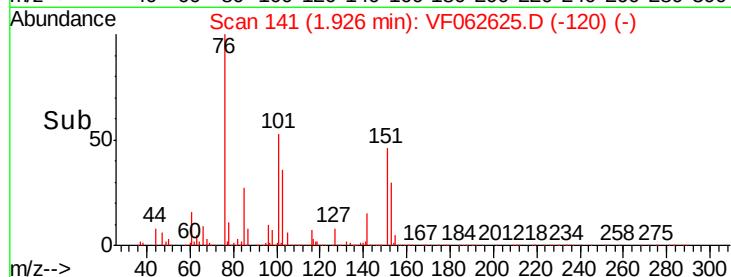
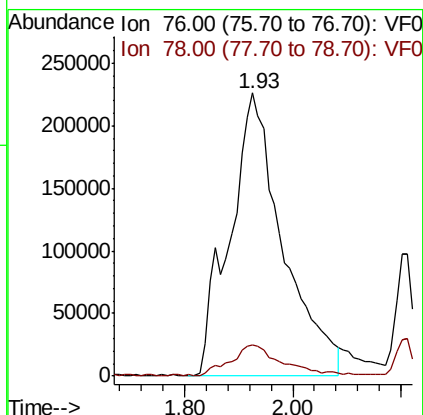
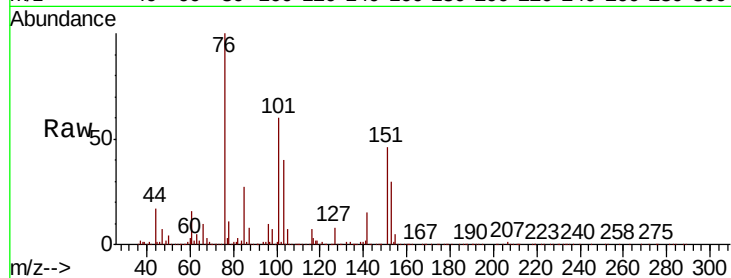
VSTDIC075

Tot Ion: 76 Resp: 1541771

Ion Ratio Lower Upper

76 100

78 11.0 8.4 12.6



#18

Methyl Acetate

Concen: 66.424 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062625.D

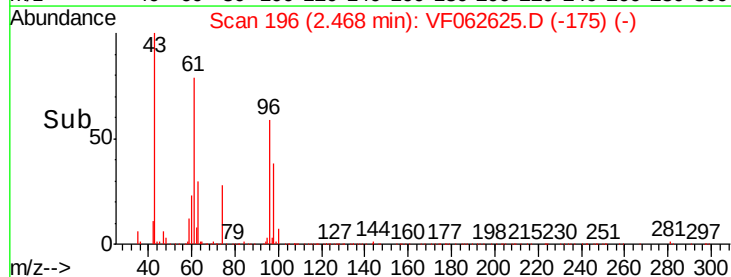
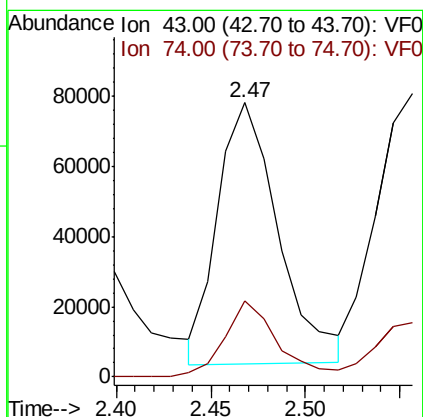
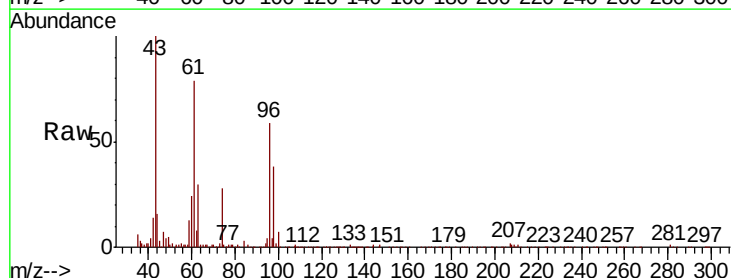
Acq: 16 May 2019 14:09

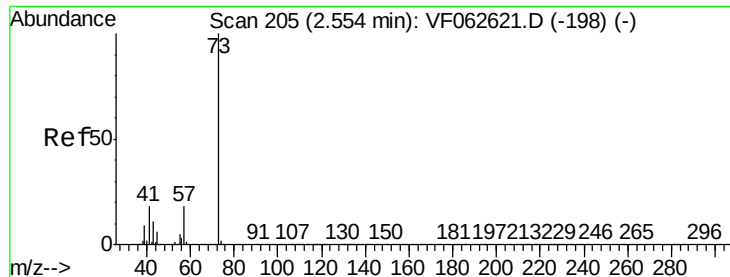
Tgt Ion: 43 Resp: 165006

Ion Ratio Lower Upper

43 100

74 27.8 18.9 28.3



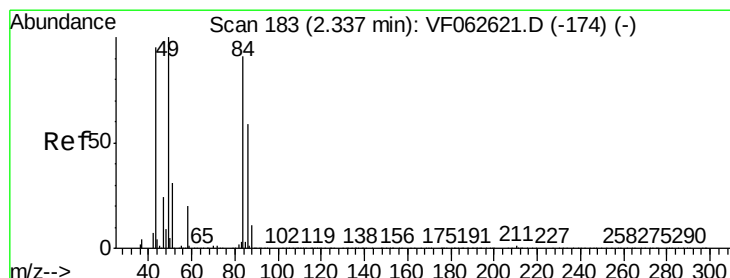
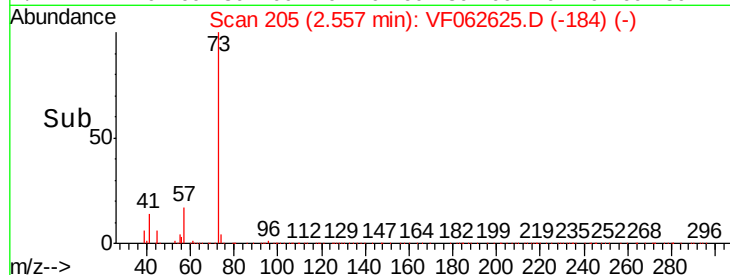
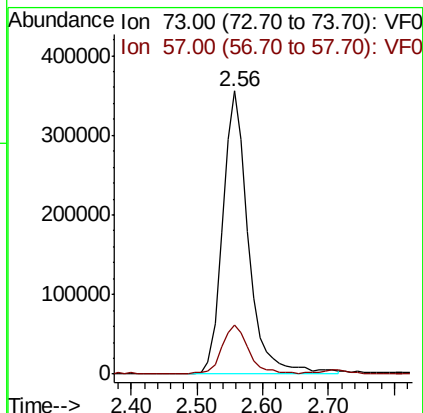
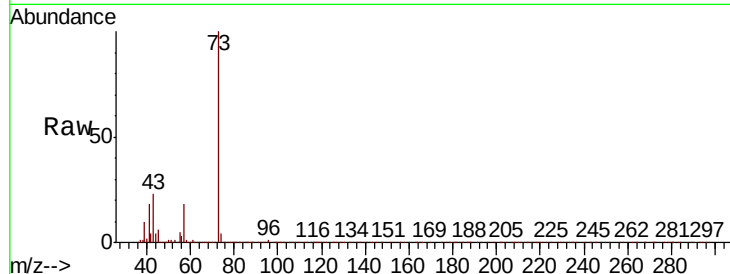


#19

Methyl tert-butyl Ether
 Concen: 76.538 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

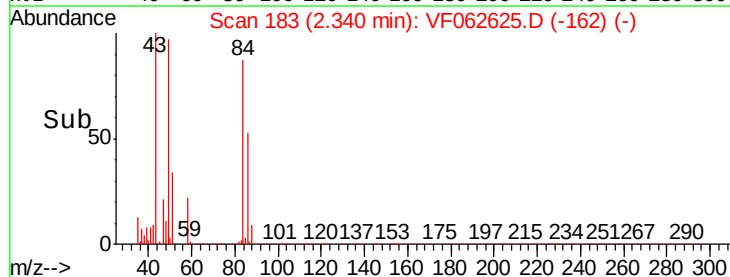
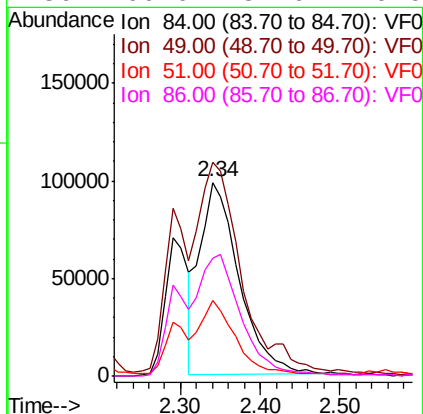
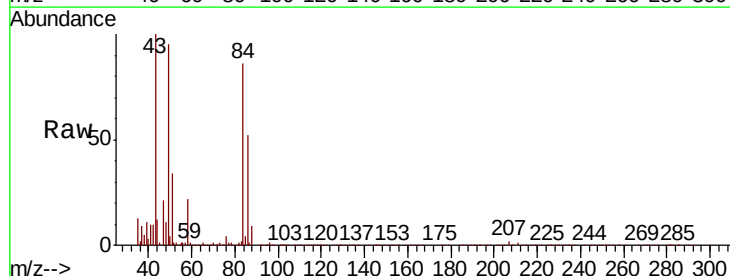
Tot Ion: 73 Resp: 974573
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.2 21.4

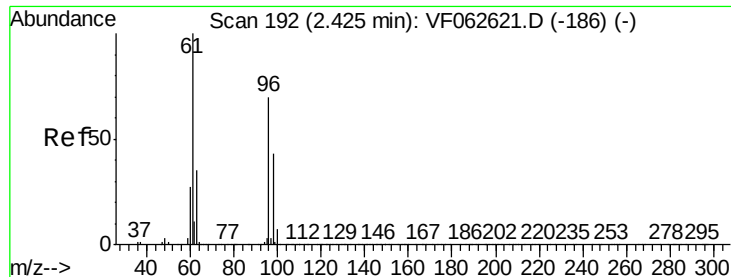


#20

Methylene Chloride
 Concen: 46.738 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion: 84 Resp: 338569
 Ion Ratio Lower Upper
 84 100
 49 110.3 89.8 134.8
 51 39.3 28.4 42.6
 86 60.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 74.758 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

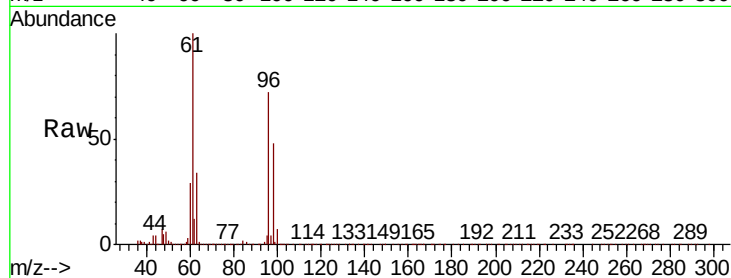
Tot Ion: 96 Resp: 520467

Ion Ratio Lower Upper

96 100

61 138.9 114.6 171.8

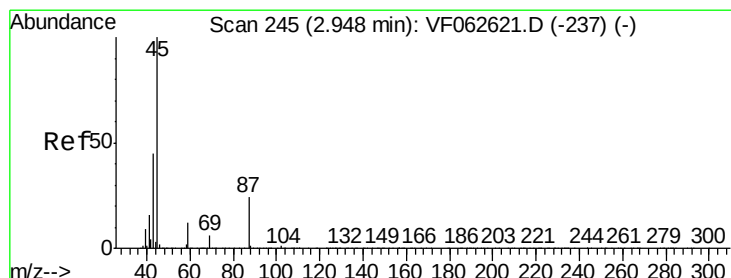
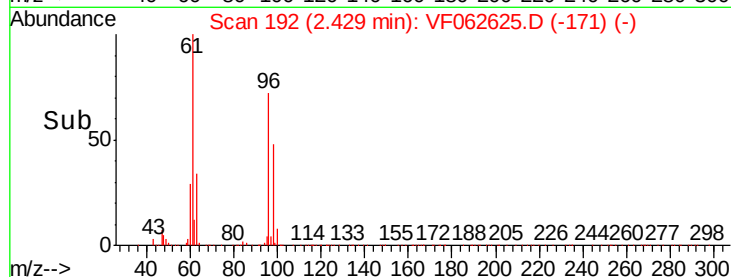
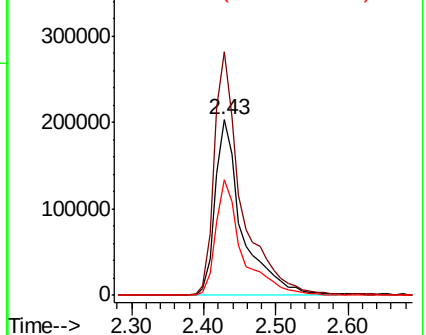
98 66.3 49.5 74.3



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 73.583 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion: 45 Resp: 1169950

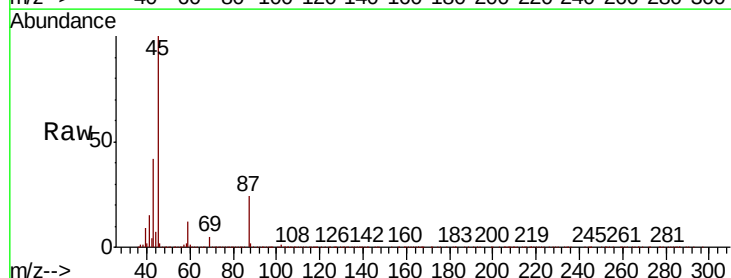
Ion Ratio Lower Upper

45 100

43 42.0 36.4 54.6

87 23.8 19.3 28.9

59 12.0 9.4 14.2

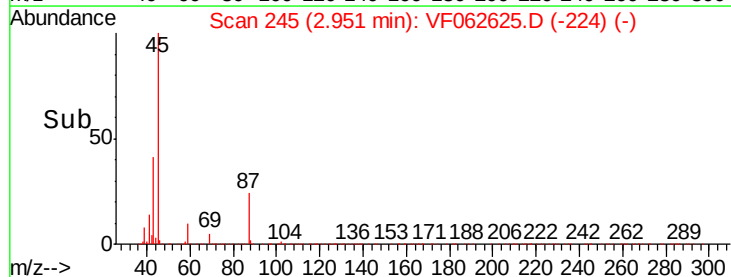
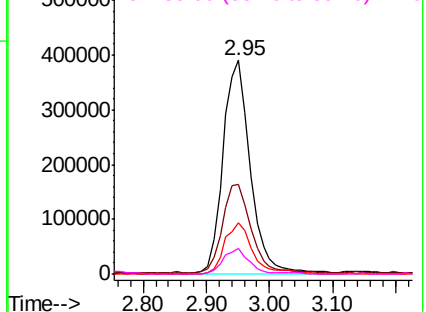


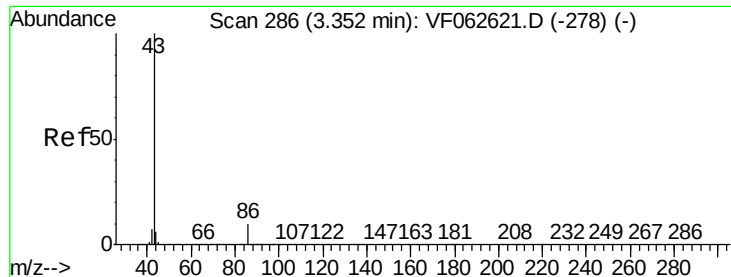
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 362.372 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

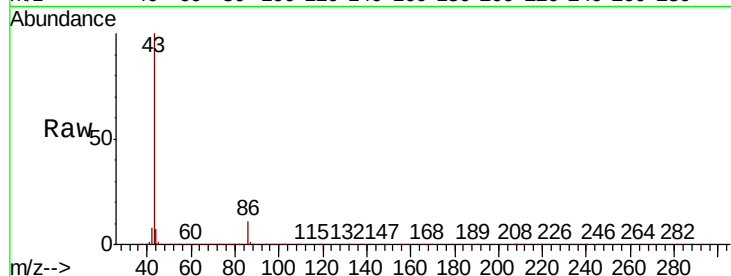
VSTDIC075

Tot Ion: 43 Resp: 3886649

Ion Ratio Lower Upper

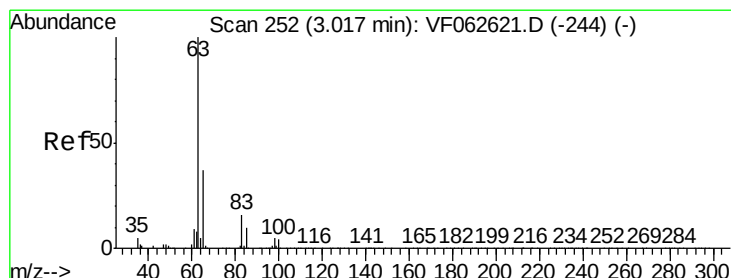
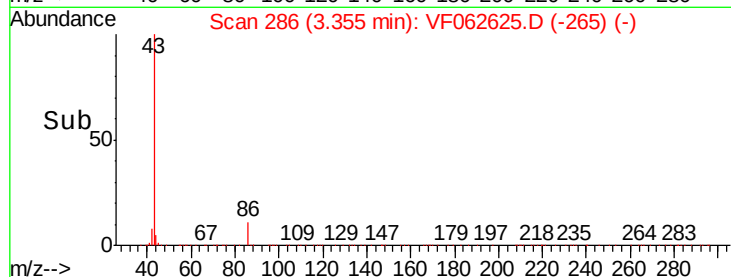
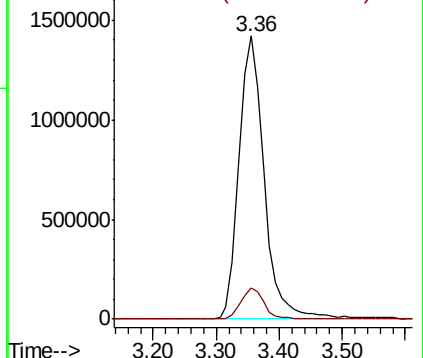
43 100

86 10.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 75.294 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

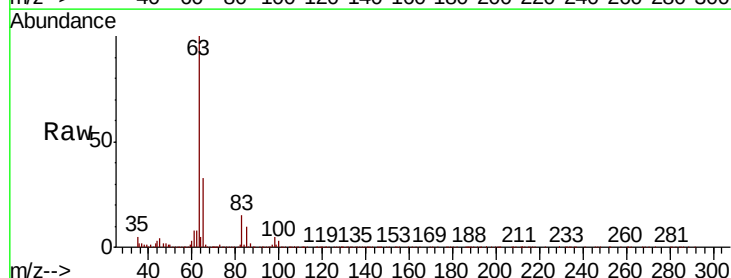
Tgt Ion: 63 Resp: 878229

Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.3

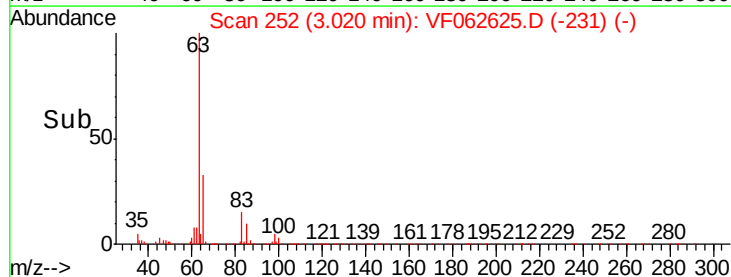
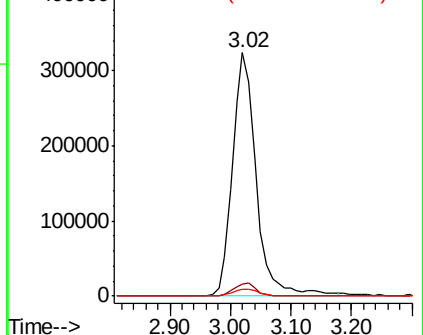
100 3.0 1.9 5.7

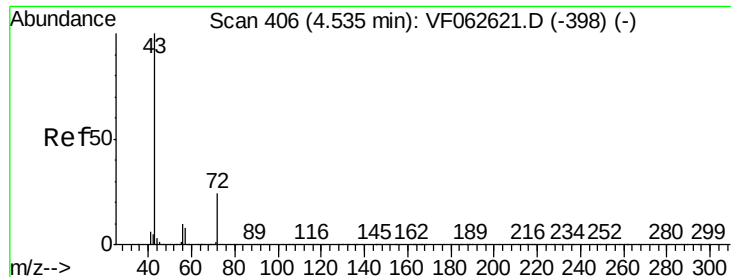


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 357.850 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

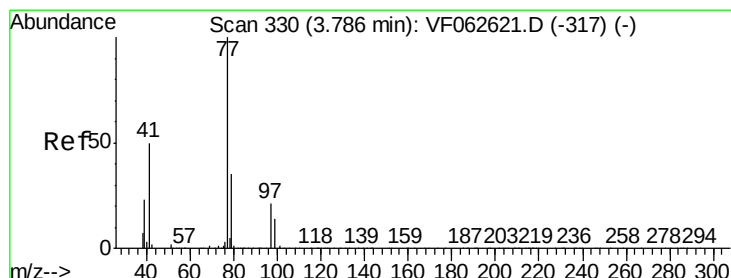
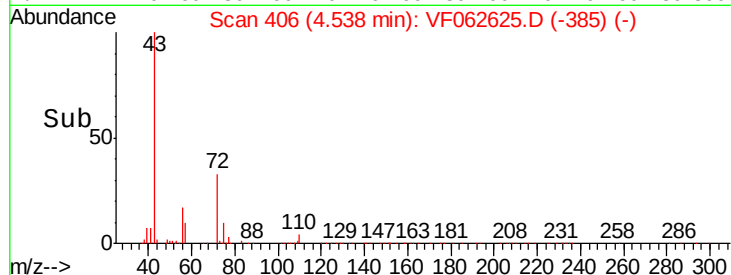
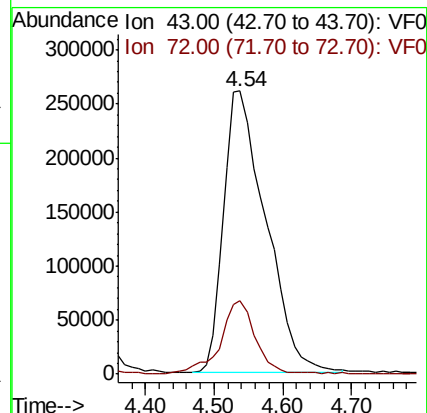
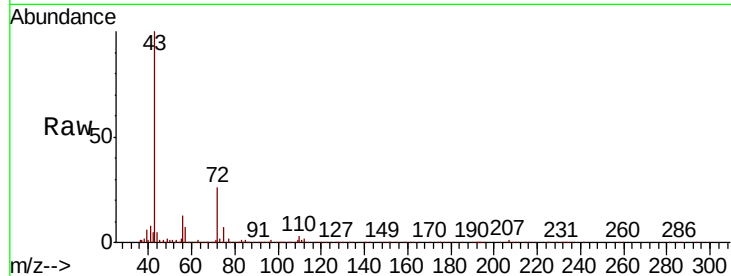
VSTDIC075

Tot Ion: 43 Resp: 1111351

Ion Ratio Lower Upper

43 100

72 25.9 20.1 30.1



#26

2,2-Dichloropropane

Concen: 75.770 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062625.D

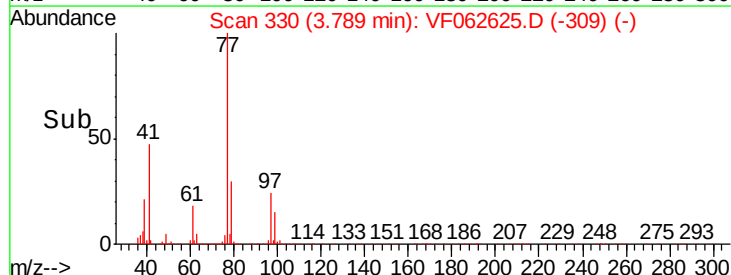
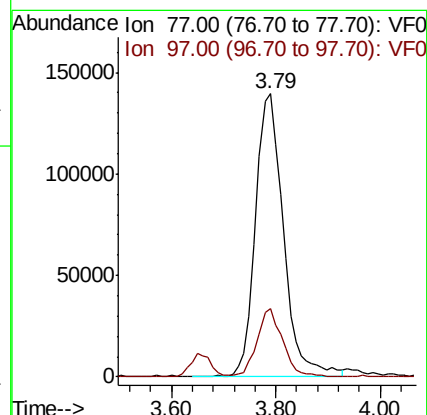
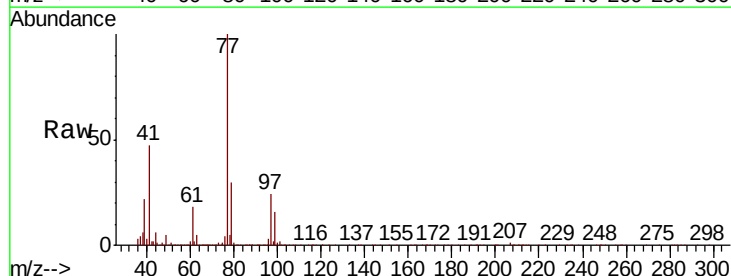
Acq: 16 May 2019 14:09

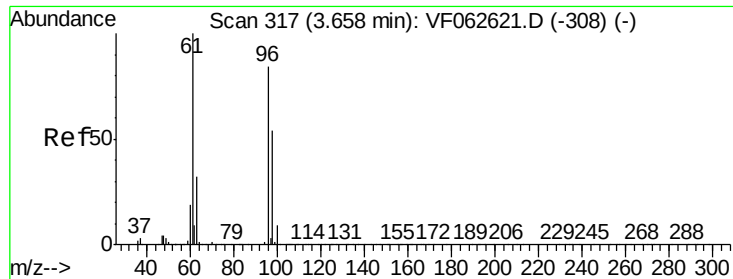
Tgt Ion: 77 Resp: 505669

Ion Ratio Lower Upper

77 100

97 24.0 14.1 42.4



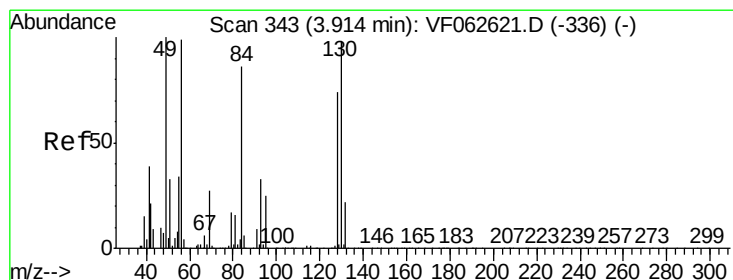
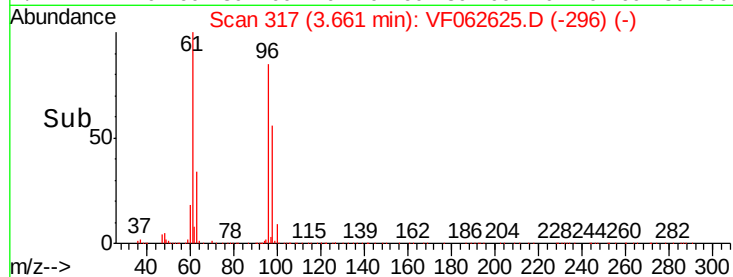
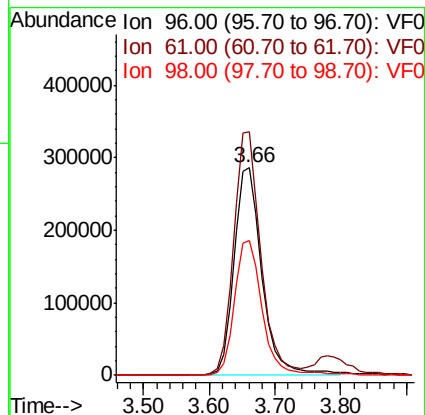
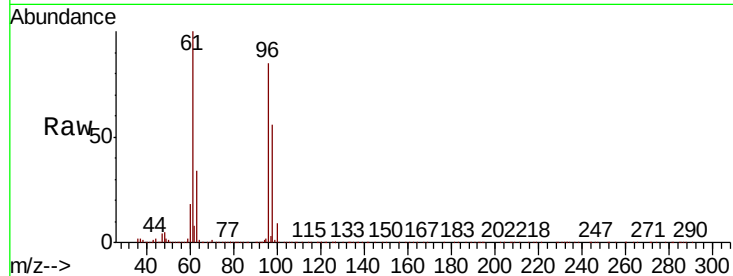


#27

cis-1,2-Dichloroethene
 Concen: 74.251 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

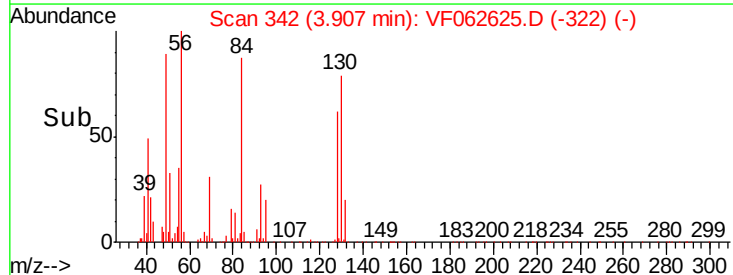
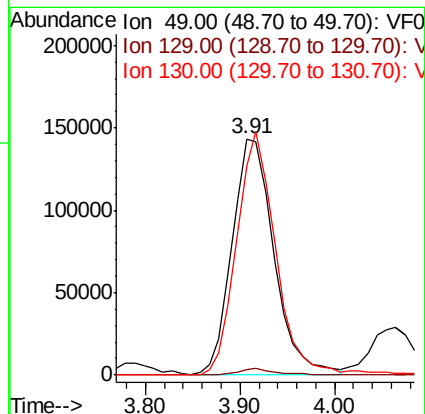
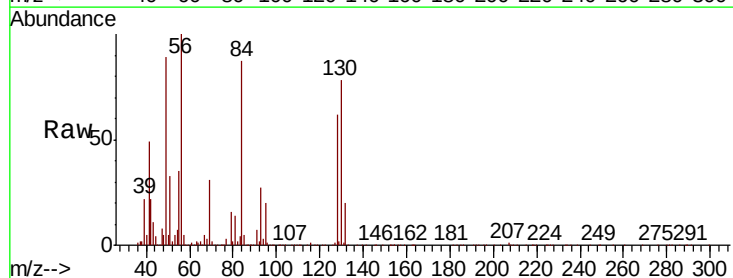
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.4	0.0	237.4
98	65.3	0.0	129.0

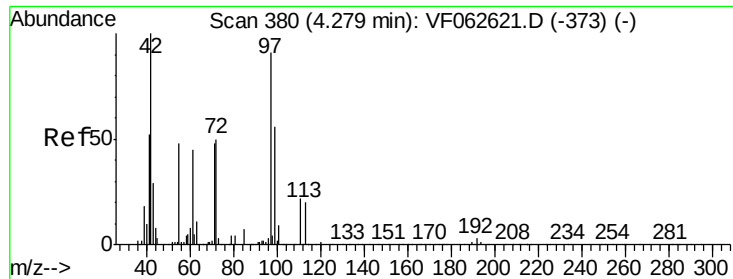


#28

Bromochloromethane
 Concen: 66.664 ug/l
 RT: 3.91 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	88.4	77.8	116.8

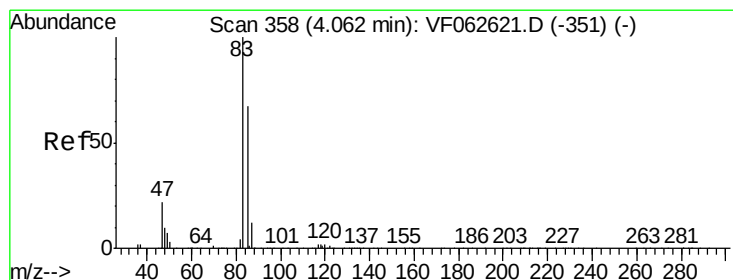
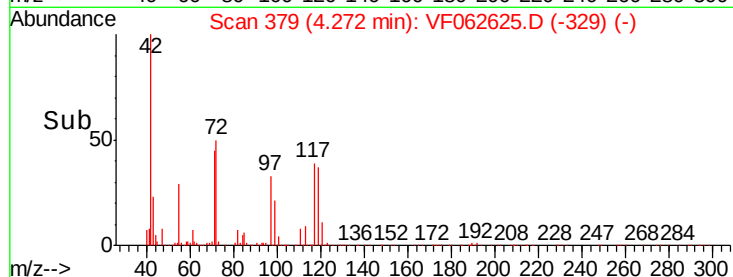
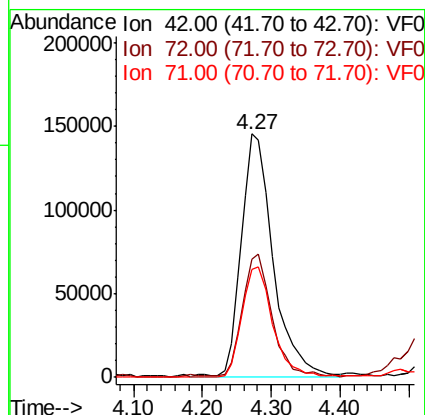
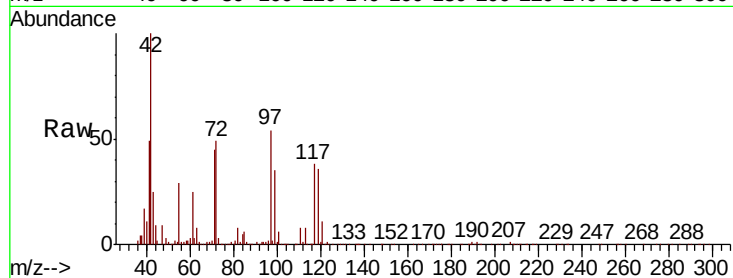




#29
Tetrahydrofuran
Concen: 368.285 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

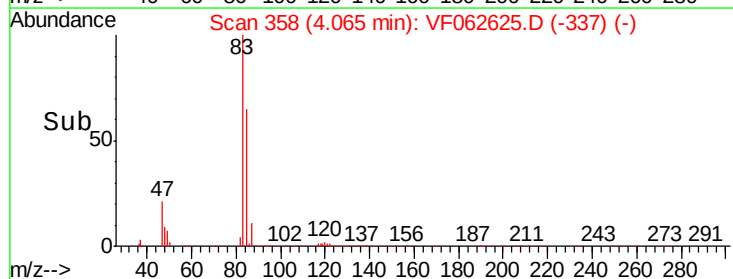
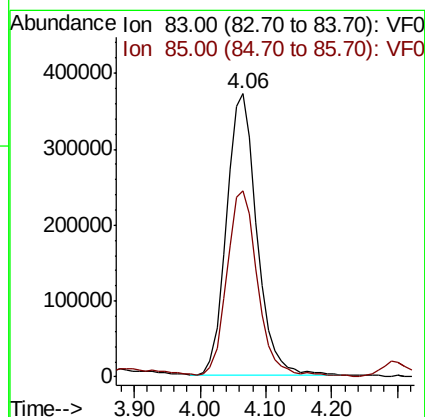
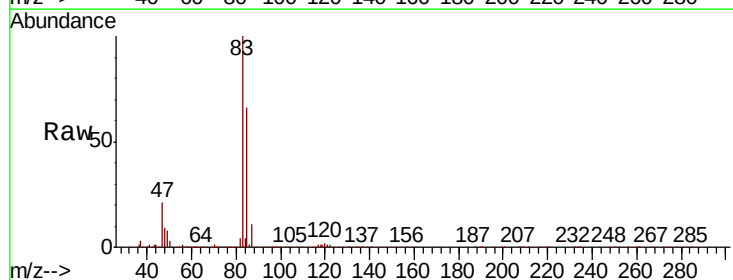
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

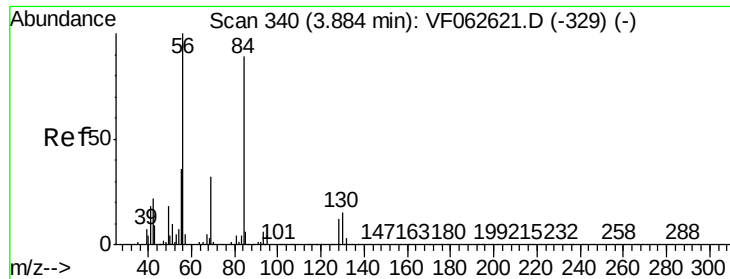
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.2
71	45.0	35.8	53.6



#30
Chloroform
Concen: 74.202 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.6	80.4

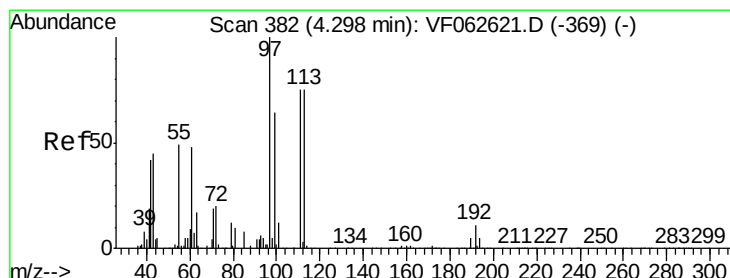
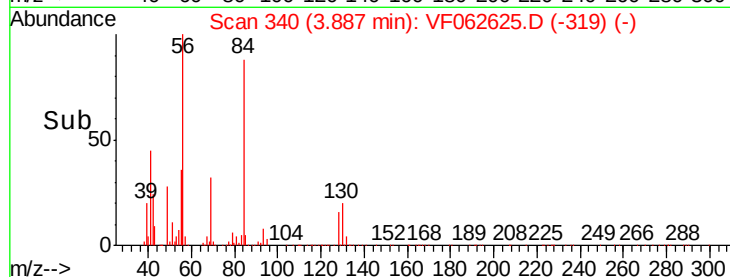
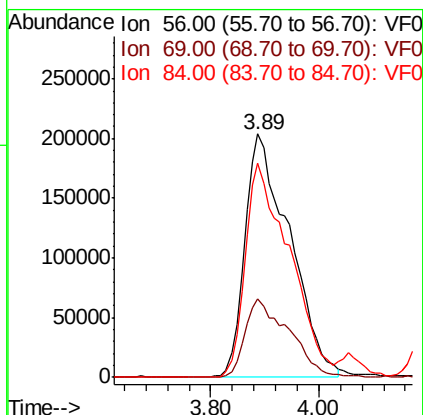
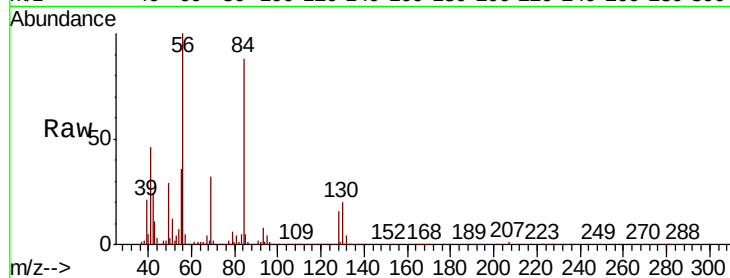




#31
Cyclohexane
Concen: 80.256 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

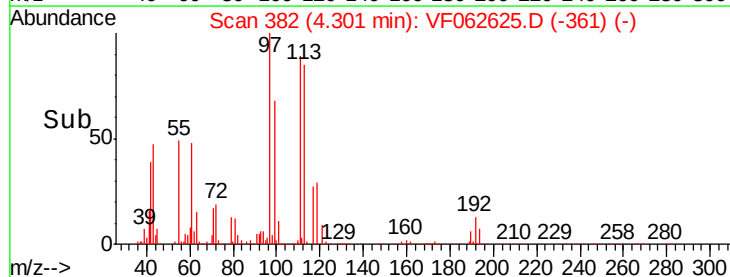
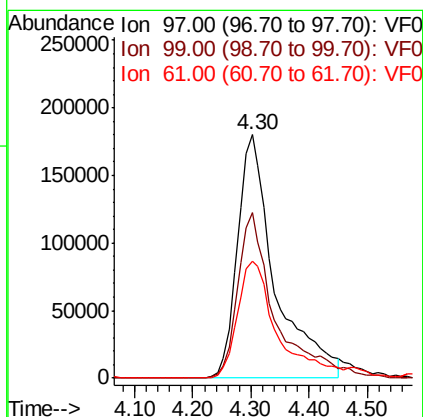
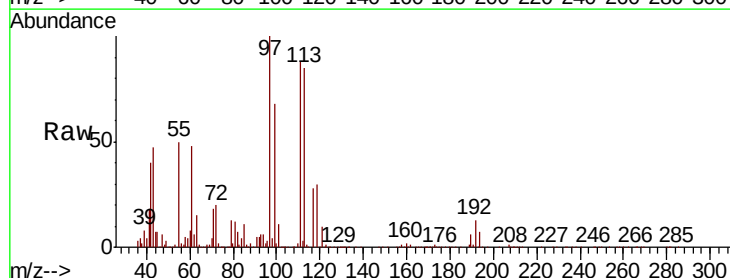
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

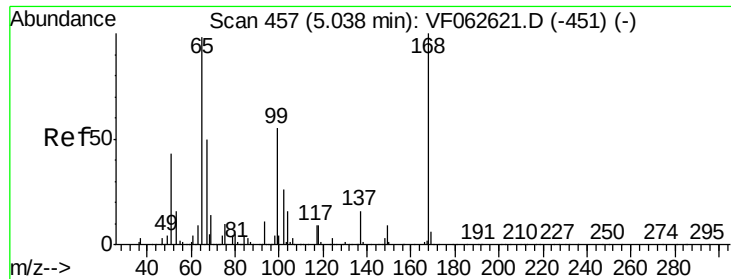
Tot Ion: 56 Resp: 1165416
Ion Ratio Lower Upper
56 100
69 32.4 25.3 37.9
84 87.8 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 75.649 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 97 Resp: 813609
Ion Ratio Lower Upper
97 100
99 68.1 51.3 76.9
61 47.9 38.2 57.2

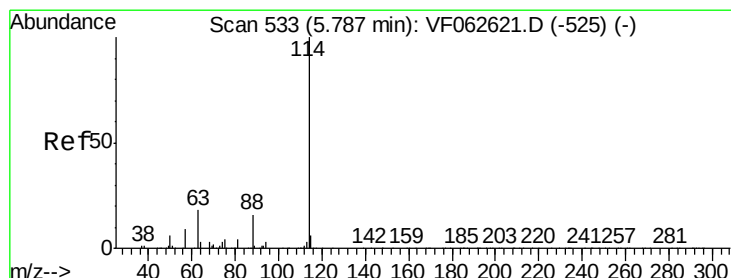
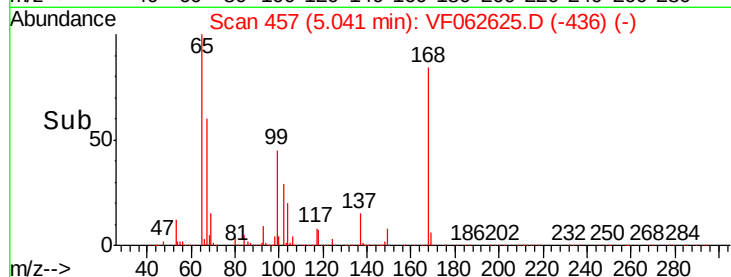
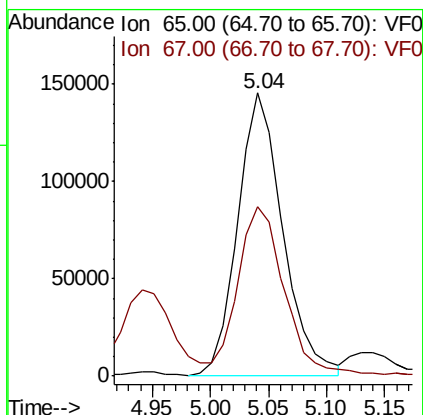
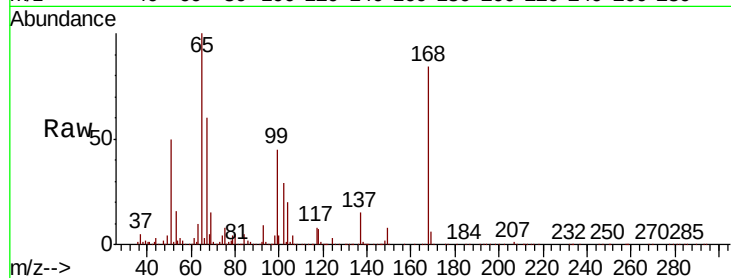




#33
 1,2-Dichloroethane-d4
 Concen: 69.391 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

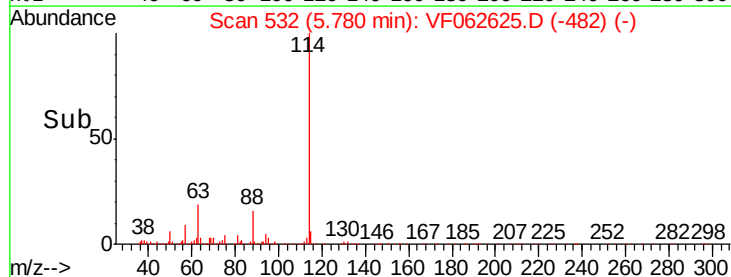
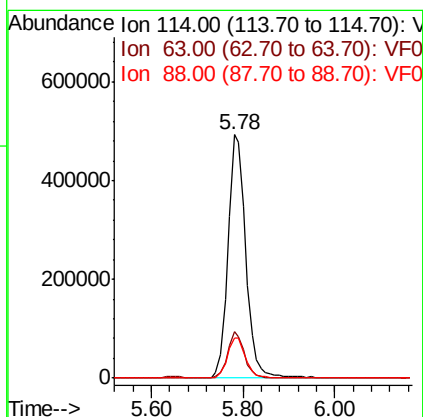
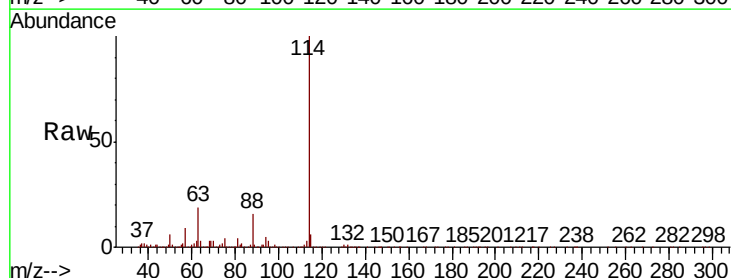
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

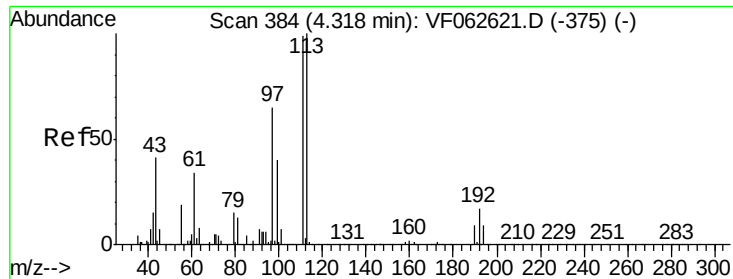
Tot Ion: 65 Resp: 388802
 Ion Ratio Lower Upper
 65 100
 67 59.7 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion: 114 Resp: 1332058
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.4
 88 16.4 0.0 32.4

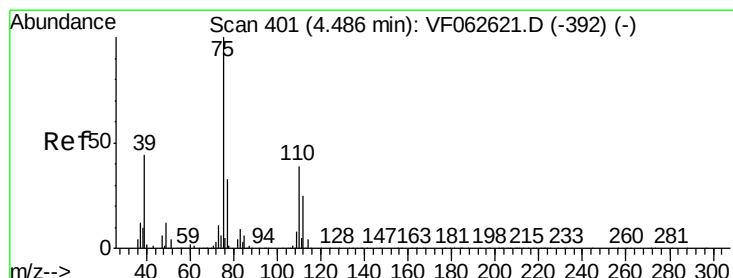
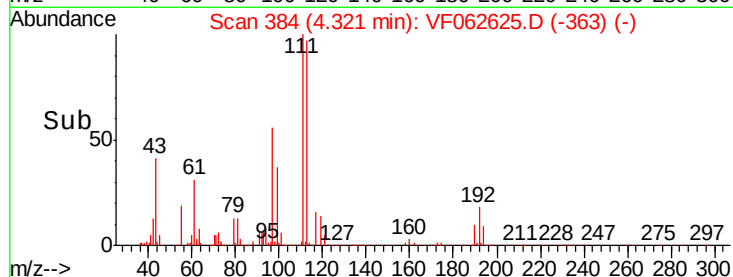
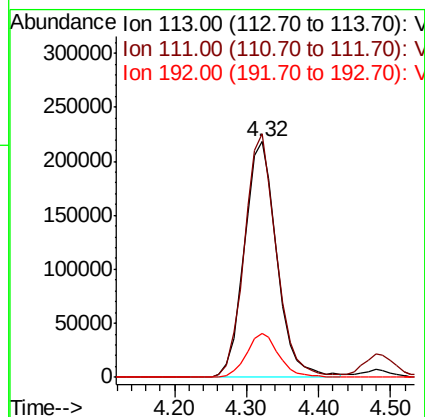
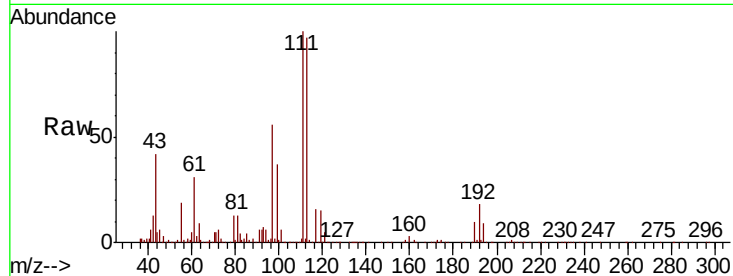




#35
 Dibromofluoromethane
 Concen: 67.357 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

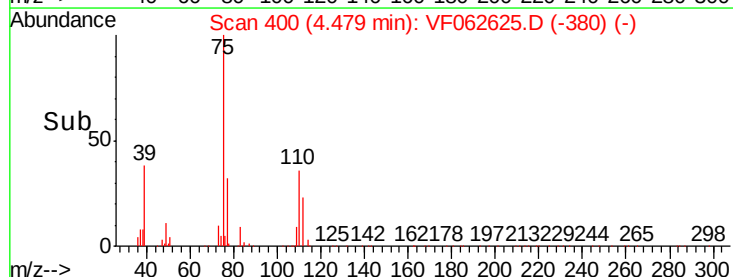
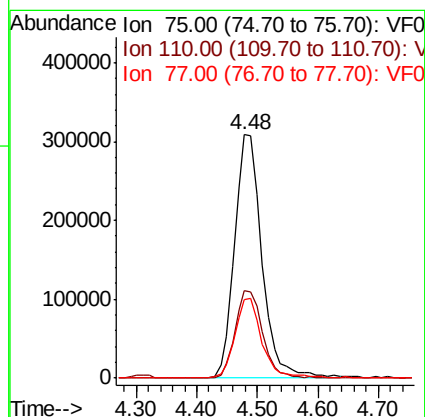
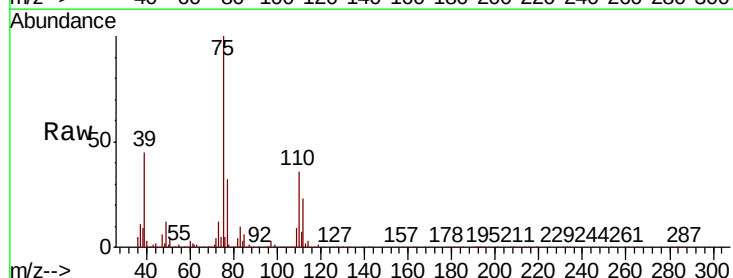
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

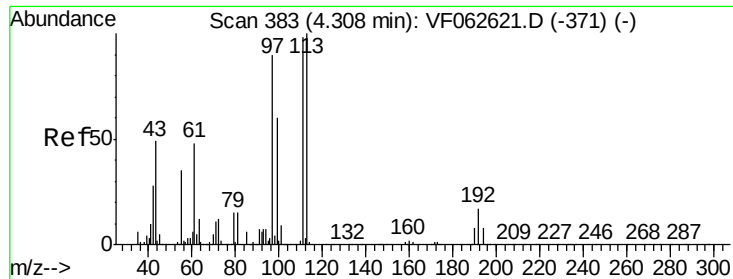
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	79.4	119.2
192	18.7	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 70.996 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	19.7	59.1
77	32.3	26.3	39.5

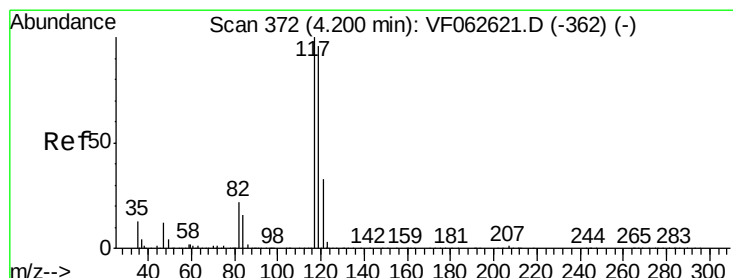
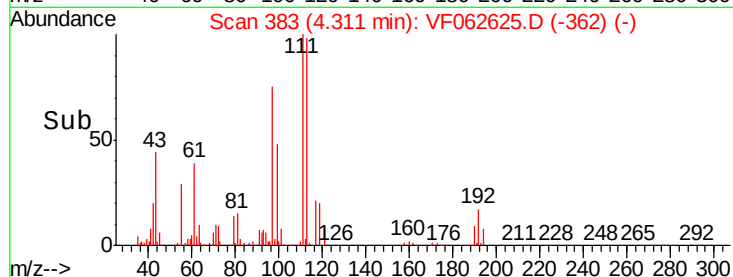
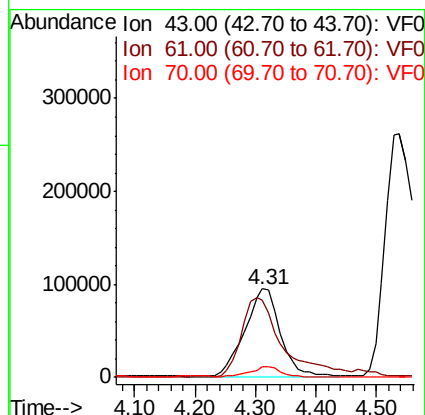
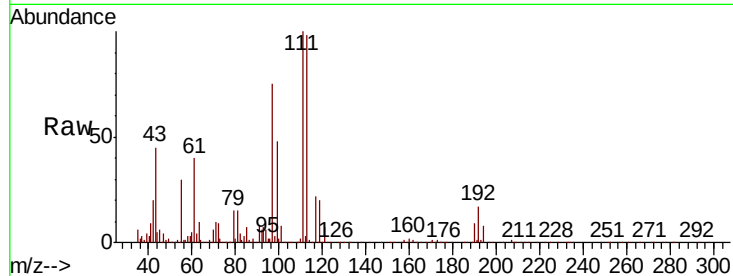




#37
Ethyl Acetate
Concen: 68.463 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

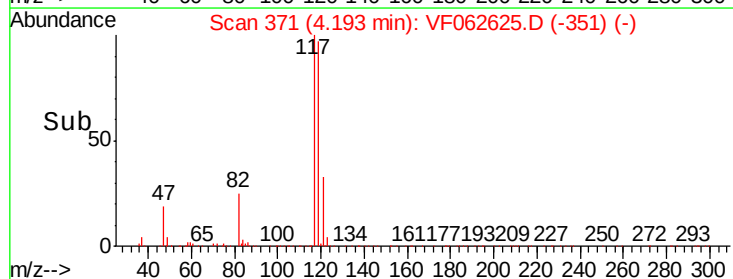
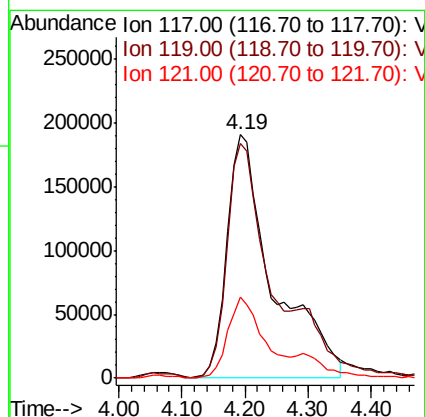
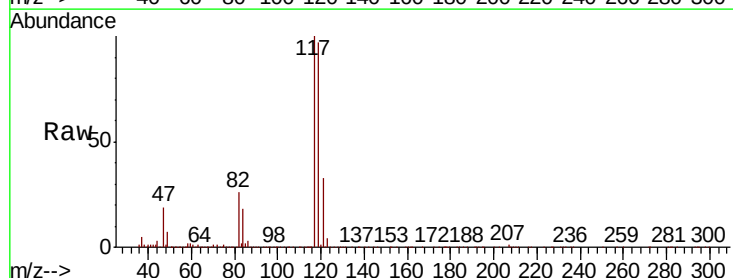
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

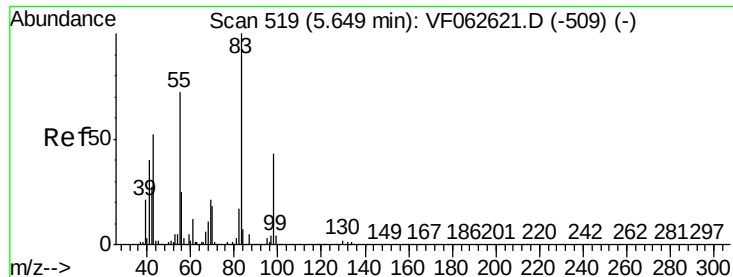
Tot Ion	43	61	70	Ratio	Lower	Upper
381551	100	87.2	12.8		76.9	115.3
					8.8	13.2



#38
Carbon Tetrachloride
Concen: 99.740 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	117	119	121	Ratio	Lower	Upper
959165	100	96.6	33.5		76.7	115.1
					26.6	40.0

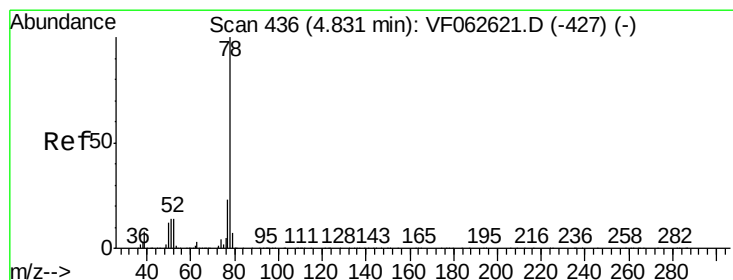
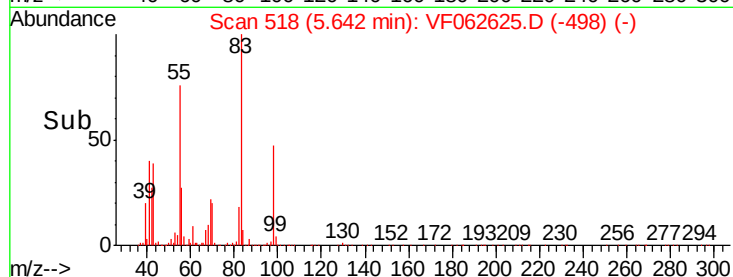
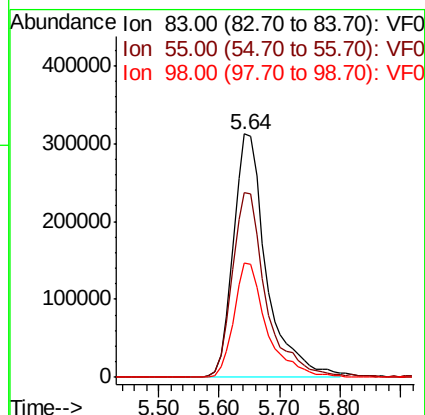
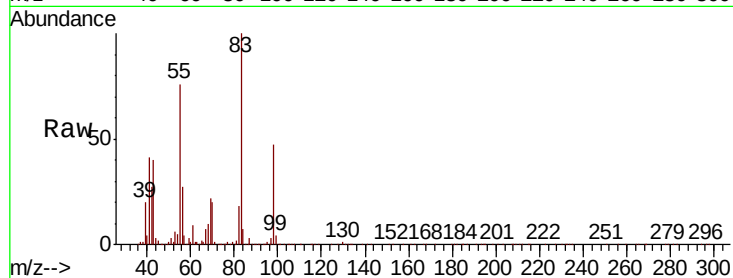




#39
Methylvlcyclohexane
Concen: 72.689 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

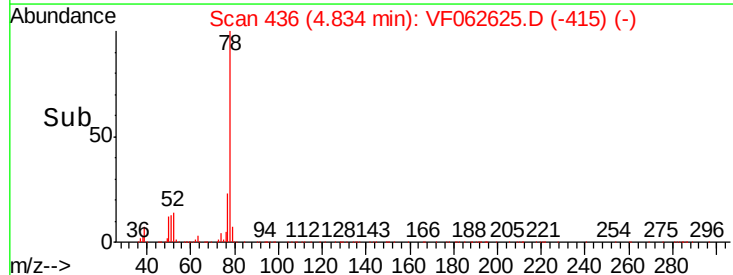
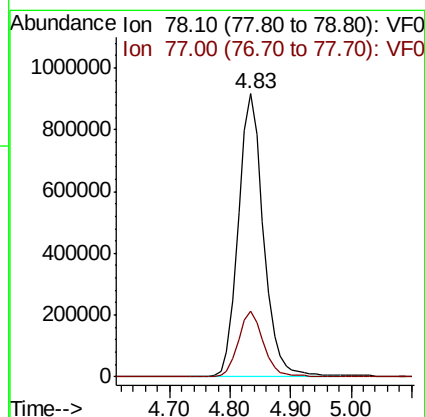
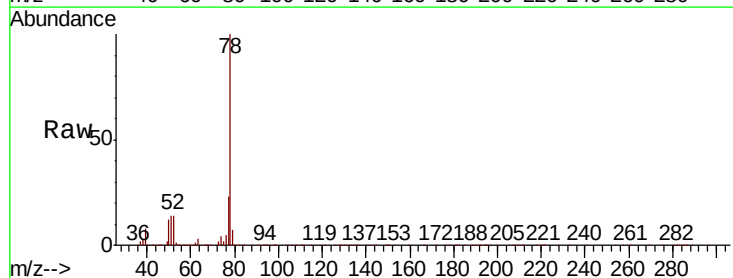
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

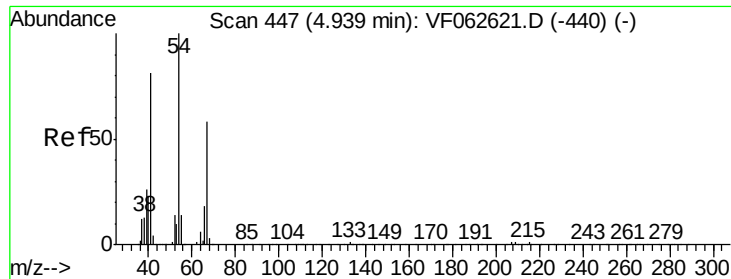
Tot Ion: 83 Resp: 1193819
Ion Ratio Lower Upper
83 100
55 75.9 57.9 86.9
98 47.2 34.6 52.0



#40
Benzene
Concen: 71.326 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 78 Resp: 2652265
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2

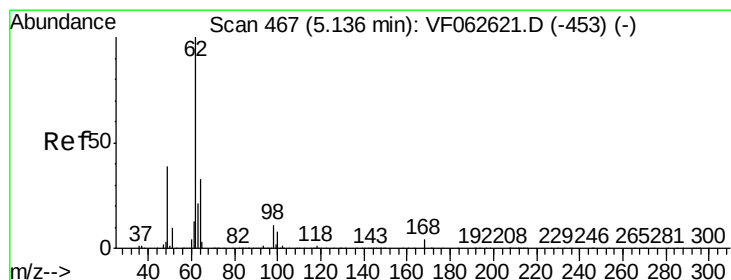
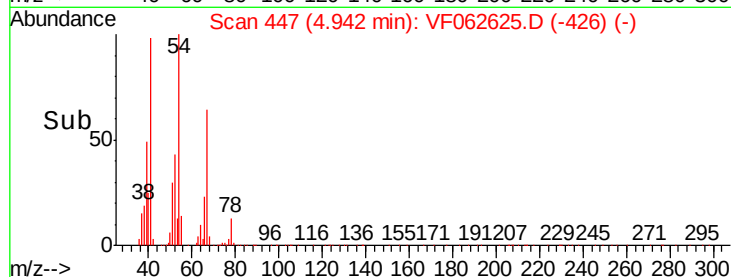
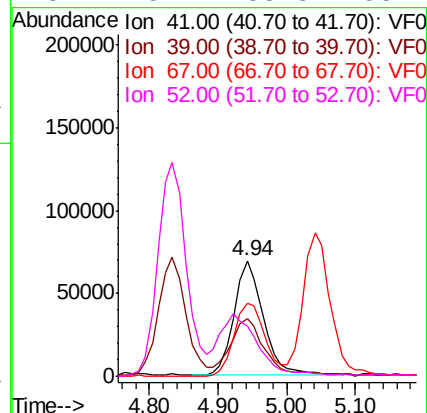
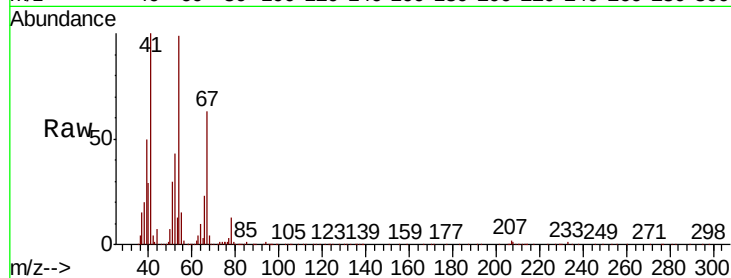




#41
Methacrylonitrile
Concen: 68.902 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

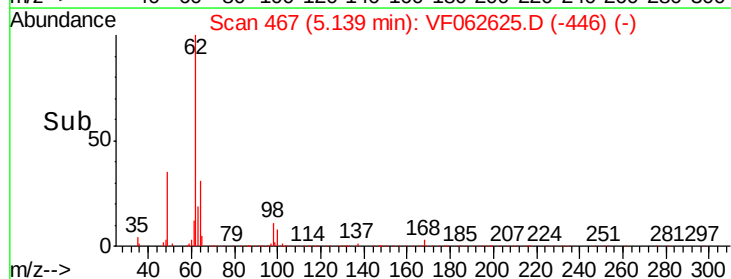
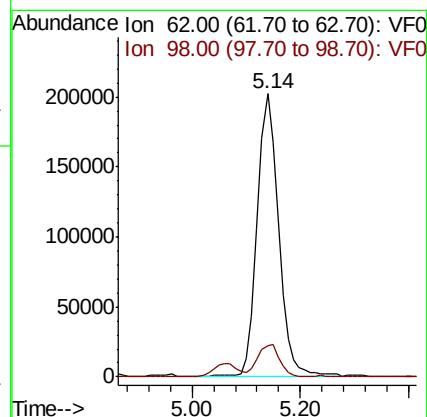
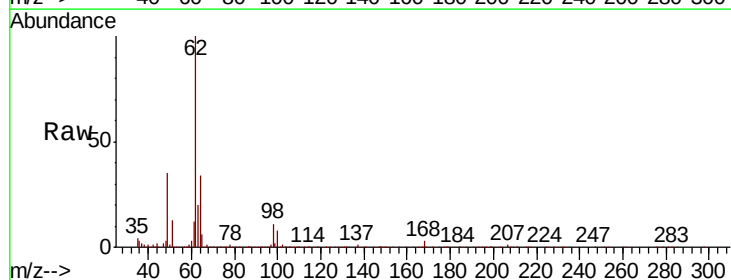
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

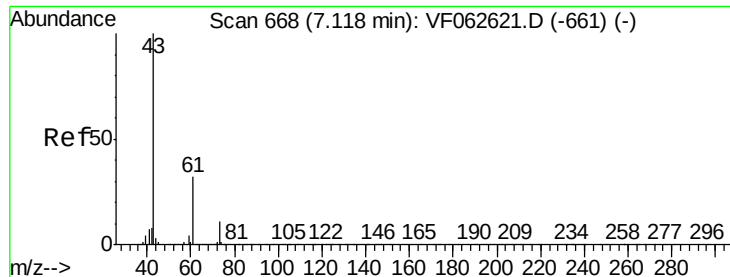
Tot Ion:	41	Resp:	201319
Ion	Ratio	Lower	Upper
41	100		
39	49.6	42.2	63.2
67	63.5	56.4	84.6
52	43.4	38.8	58.2



#42
1,2-Dichloroethane
Concen: 75.505 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:	62	Resp:	559887
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6





#43

Isopropyl Acetate

Concen: 66.666 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

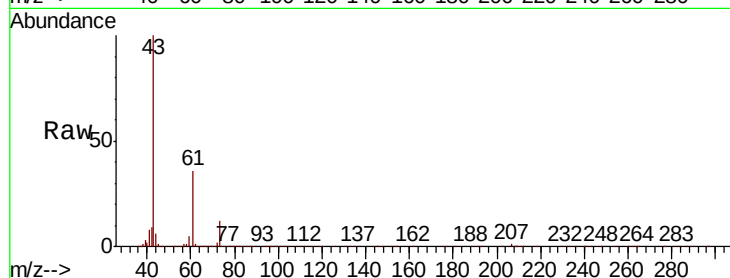
Tot Ion: 43 Resp: 481337

Ion Ratio Lower Upper

43 100

61 35.7 25.8 38.8

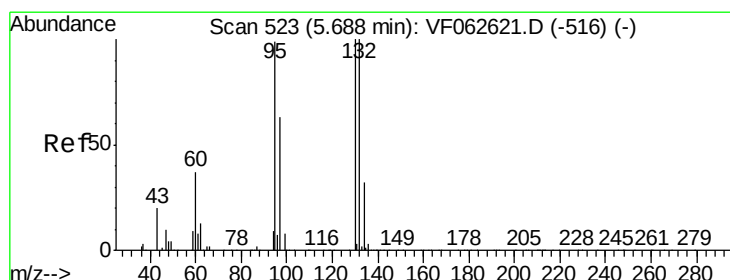
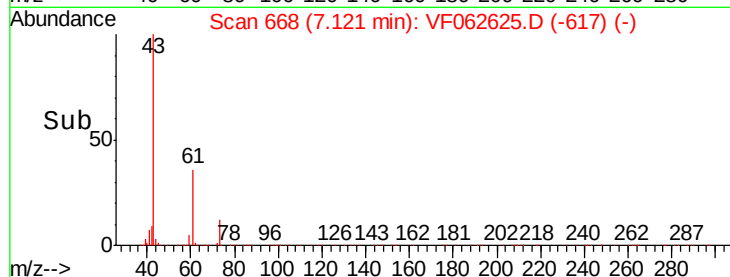
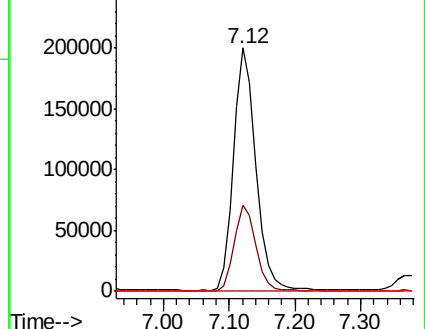
87 0.4 0.4 0.6#



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: 71.253 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062625.D

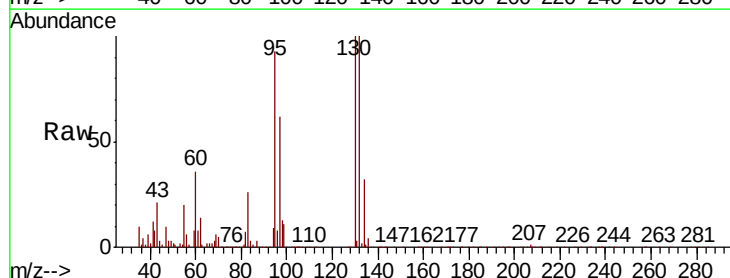
Acq: 16 May 2019 14:09

Tgt Ion: 130 Resp: 744665

Ion Ratio Lower Upper

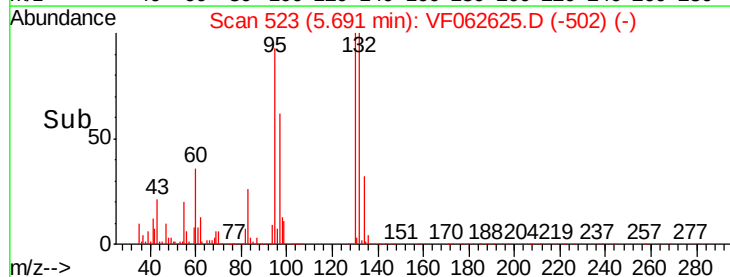
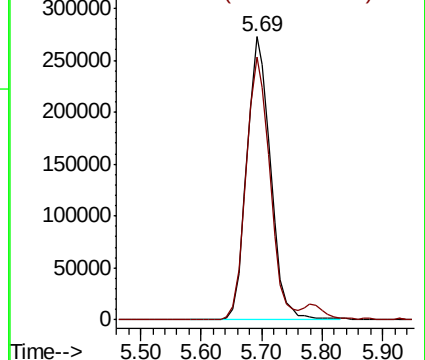
130 100

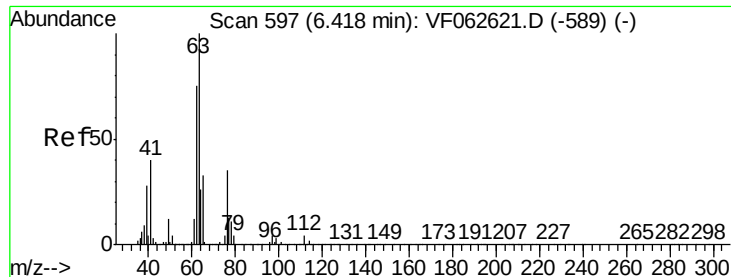
95 93.0 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 71.670 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

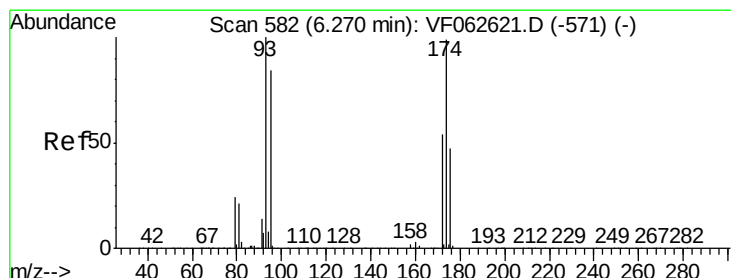
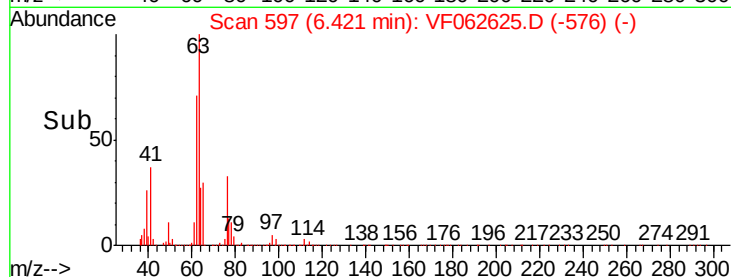
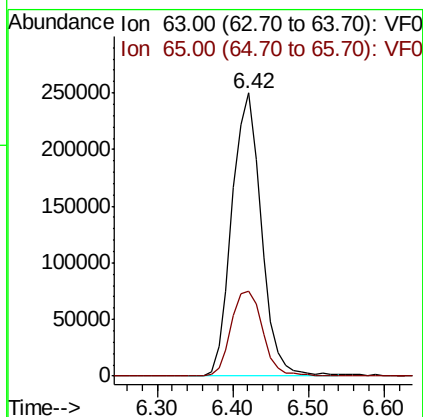
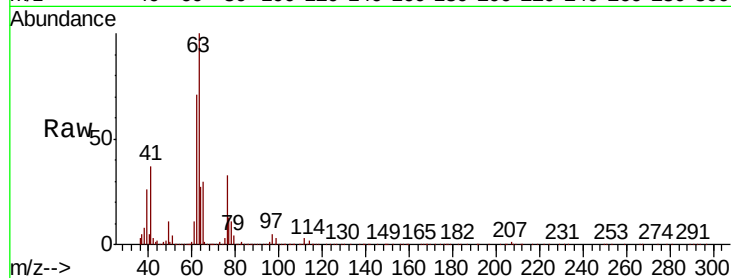
VSTDIC075

Tot Ion: 63 Resp: 672749

Ion Ratio Lower Upper

63 100

65 30.2 26.3 39.5



#46

Dibromomethane

Concen: 71.203 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

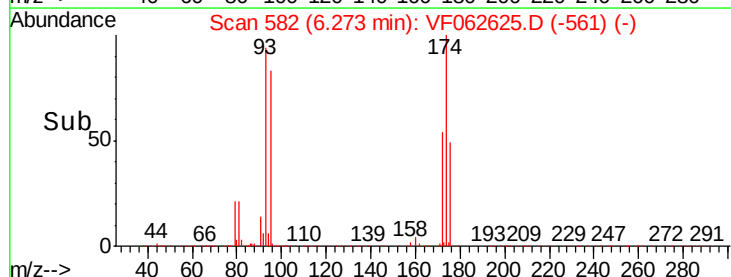
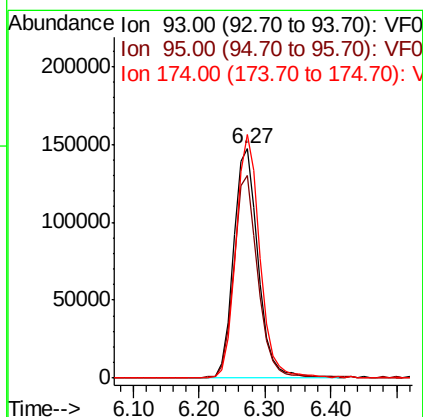
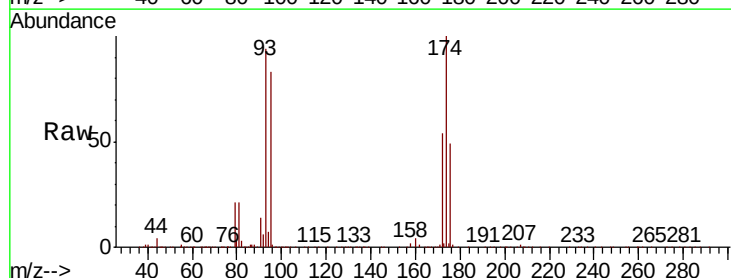
Tgt Ion: 93 Resp: 386270

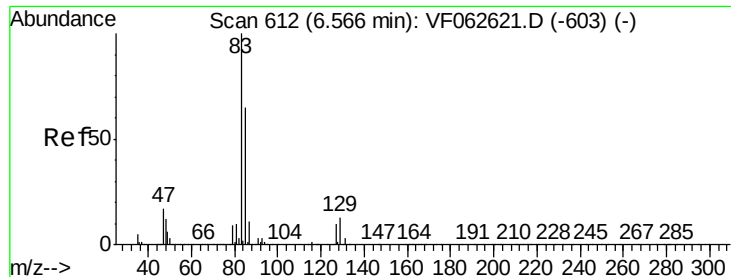
Ion Ratio Lower Upper

93 100

95 88.6 67.4 101.2

174 106.3 79.4 119.2





#47

Bromodichloromethane

Concen: 73.660 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

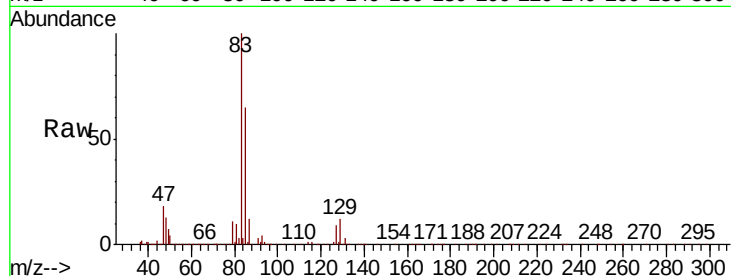
Tot Ion: 83 Resp: 829561

Ion Ratio Lower Upper

83 100

85 65.4 52.0 78.0

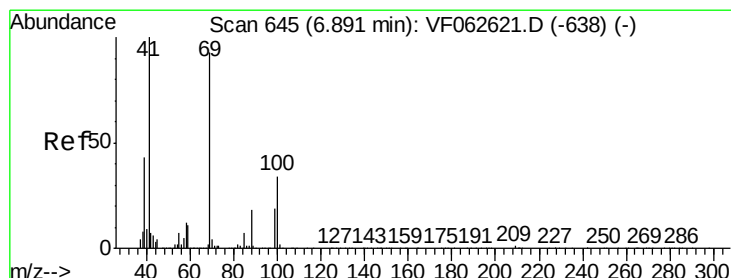
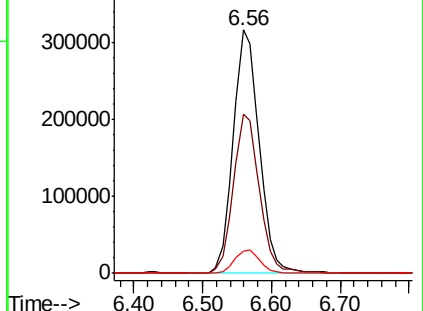
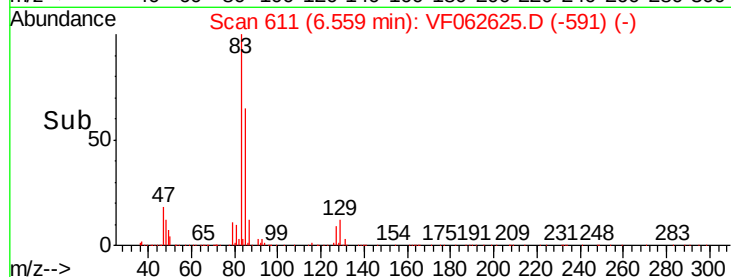
127 9.3 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 72.970 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

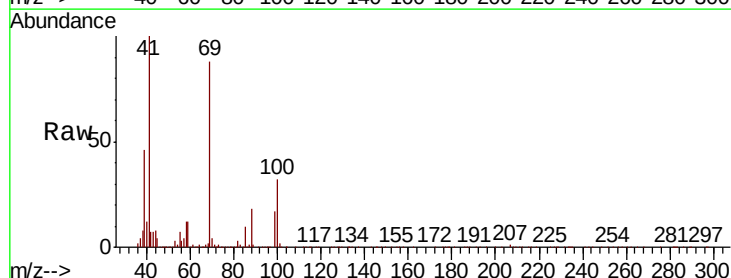
Tgt Ion: 41 Resp: 275378

Ion Ratio Lower Upper

41 100

69 87.6 74.2 111.2

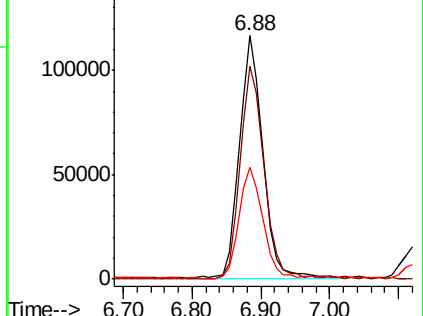
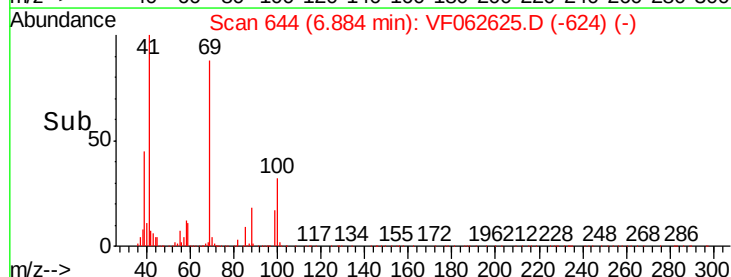
39 45.9 34.2 51.4

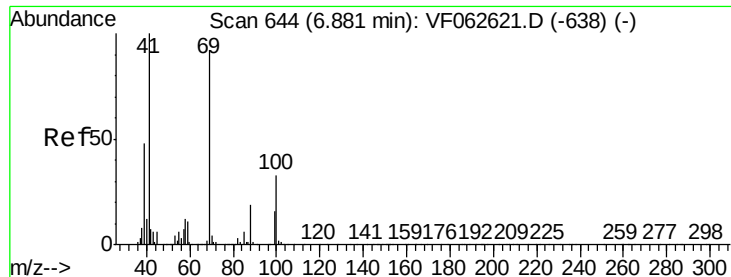


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1417.535 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

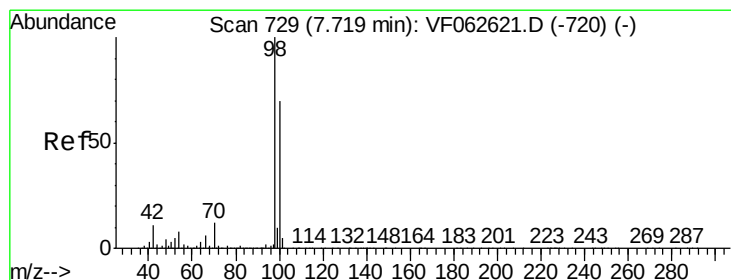
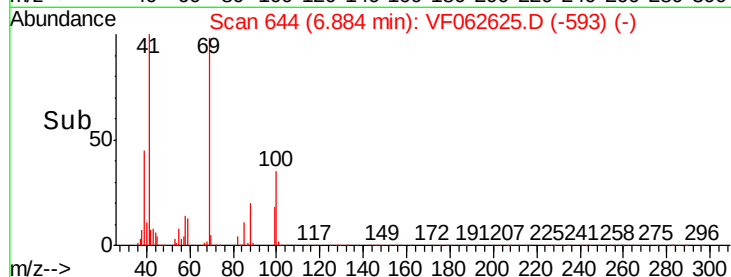
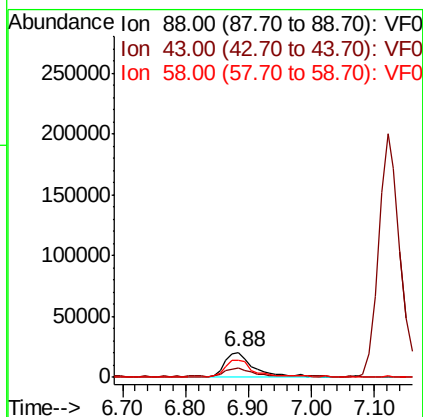
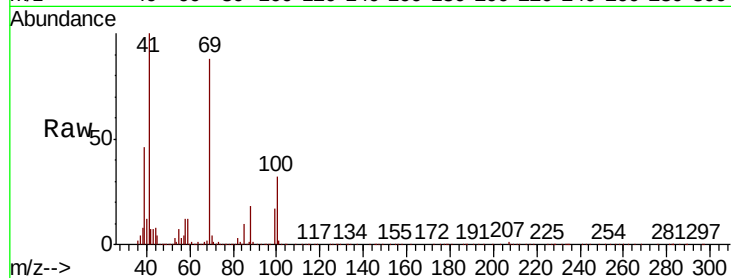
Tot Ion: 88 Resp: 68517

Ion Ratio Lower Upper

88 100

43 38.9 30.0 45.0

58 68.8 51.1 76.7



#50

Toluene-d8

Concen: 69.314 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062625.D

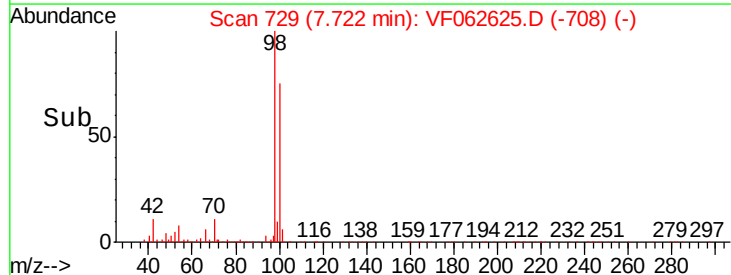
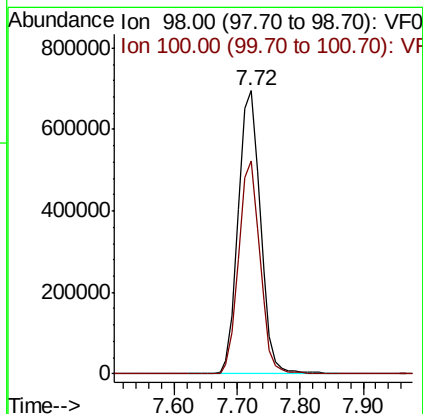
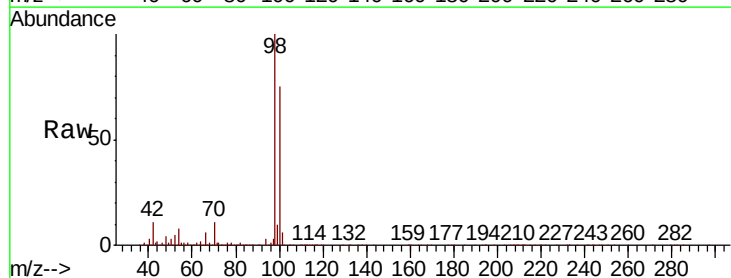
Acq: 16 May 2019 14:09

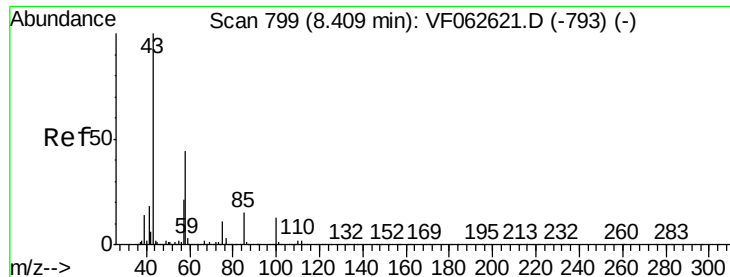
Tgt Ion: 98 Resp: 1686878

Ion Ratio Lower Upper

98 100

100 75.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 326.478 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

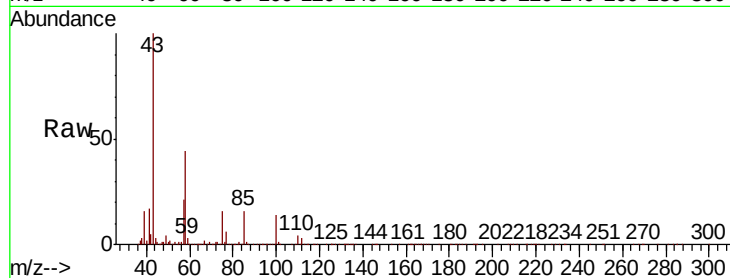
VSTDIC075

Tot Ion: 43 Resp: 1611255

Ion Ratio Lower Upper

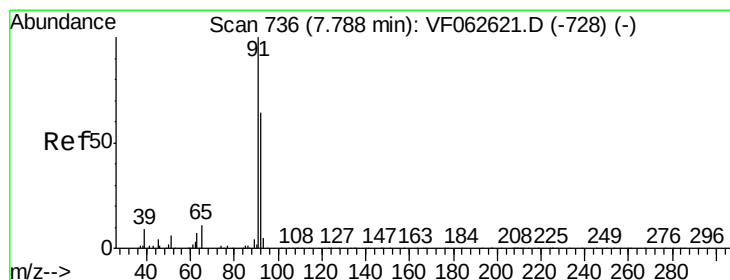
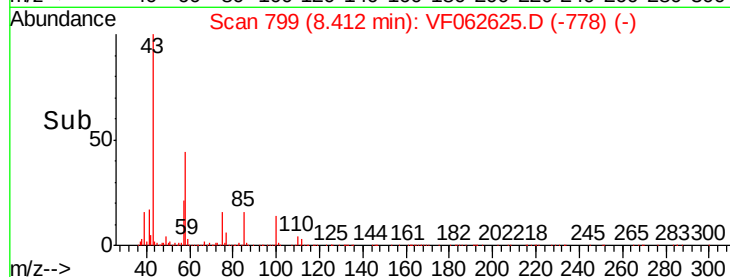
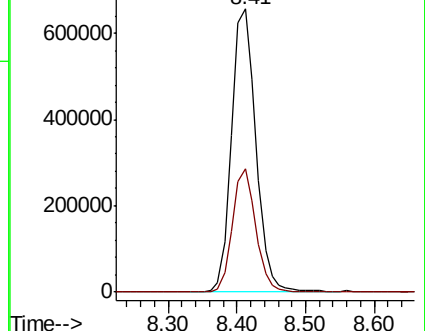
43 100

58 43.7 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 72.356 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062625.D

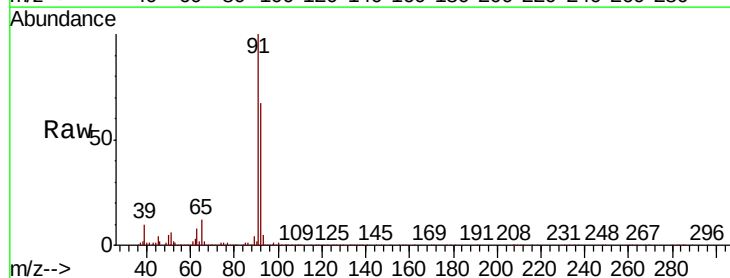
Acq: 16 May 2019 14:09

Tgt Ion: 92 Resp: 1411040

Ion Ratio Lower Upper

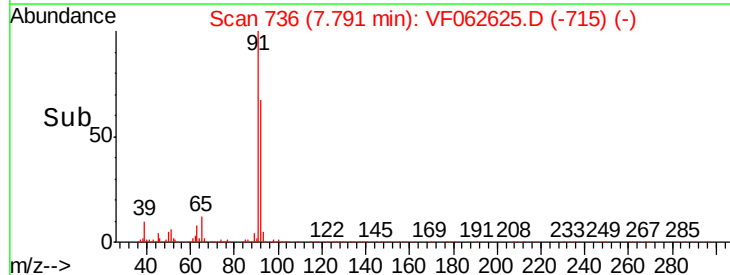
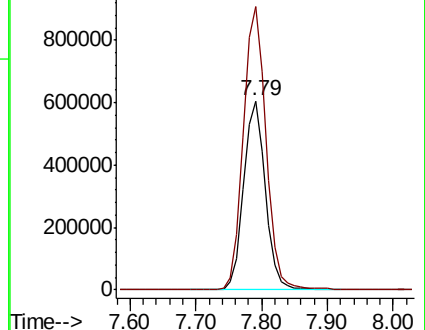
92 100

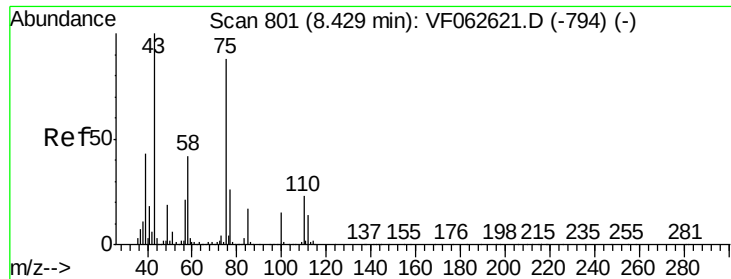
91 149.9 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

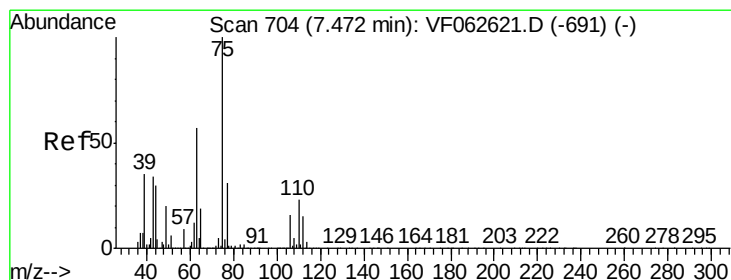
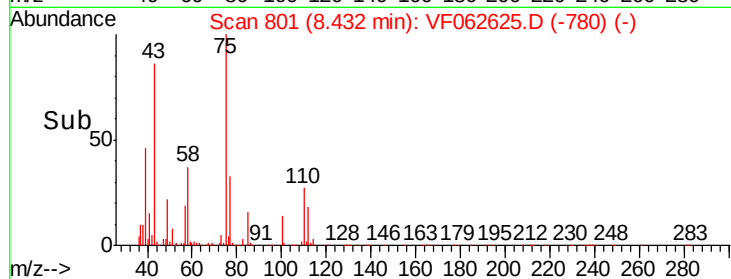
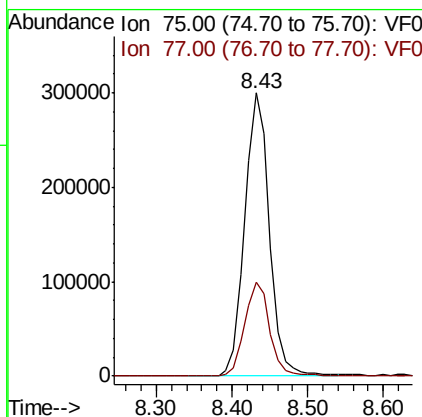
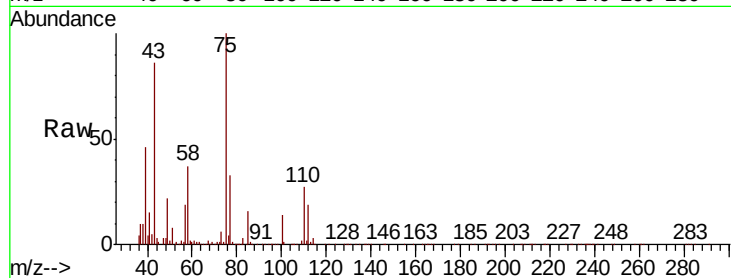




#53
t-1,3-Dichloropropene
Concen: 73.507 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

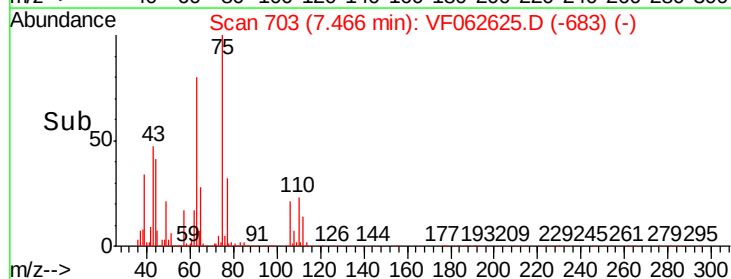
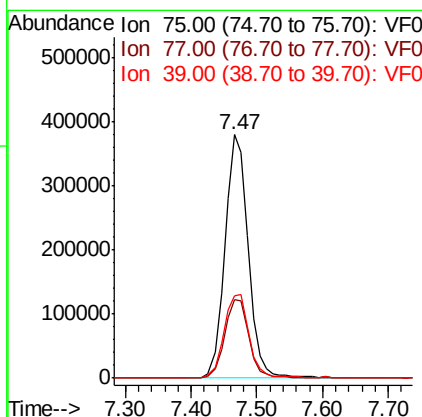
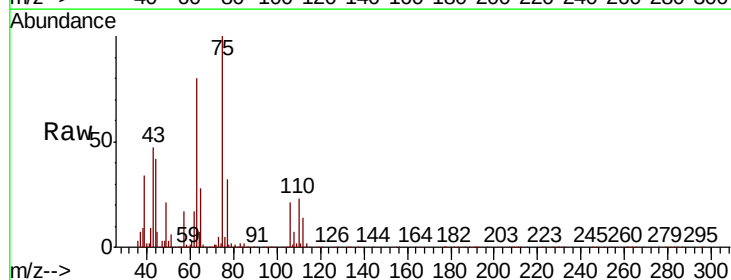
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

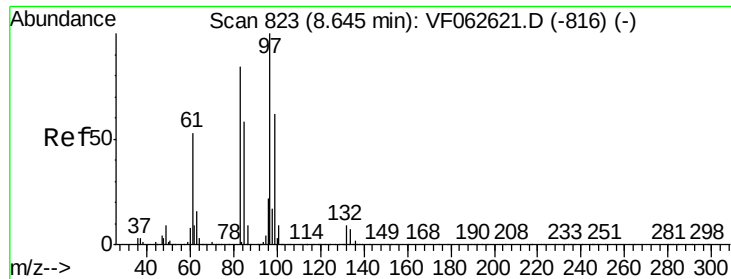
Tot Ion: 75 Resp: 677278
Ion Ratio Lower Upper
75 100
77 33.1 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 72.951 ug/l
RT: 7.47 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 75 Resp: 940895
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
39 34.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 72.104 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 416337

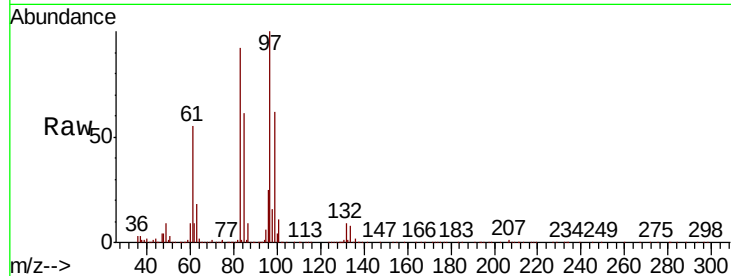
Ion Ratio Lower Upper

97 100

83 92.2 67.3 100.9

85 60.7 46.6 69.8

99 61.5 49.7 74.5

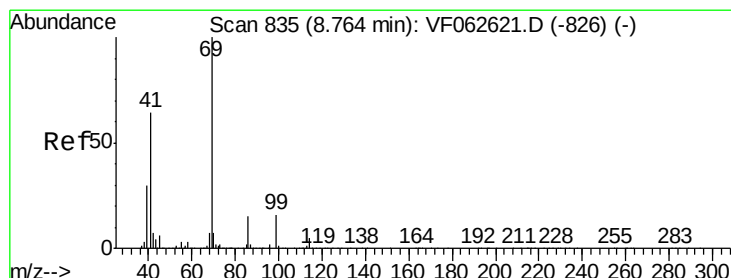
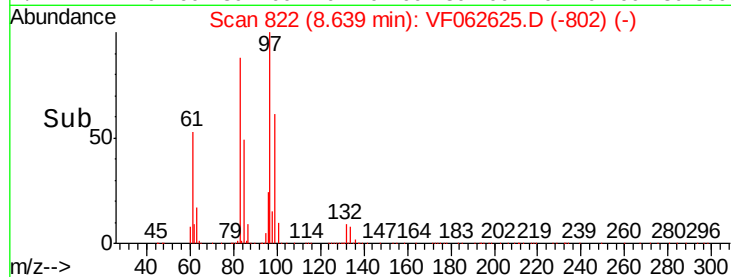
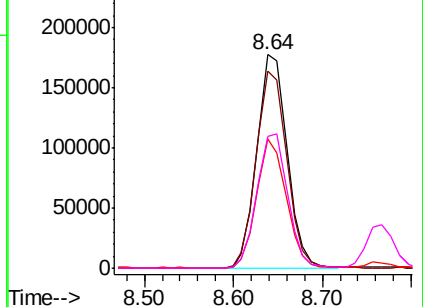


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 69.463 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

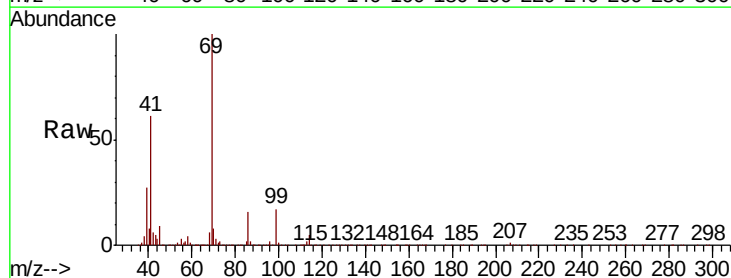
Tgt Ion: 69 Resp: 477845

Ion Ratio Lower Upper

69 100

41 61.1 51.4 77.2

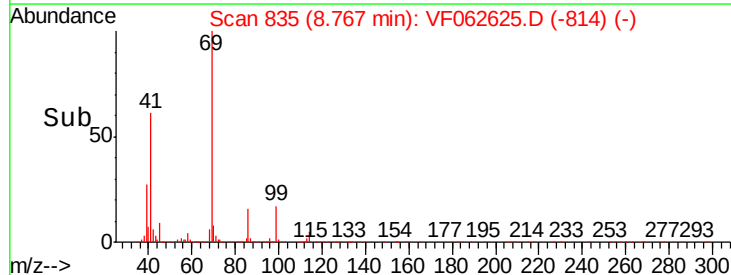
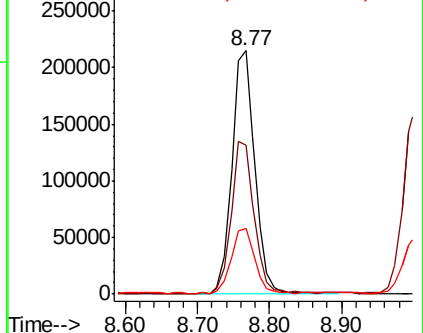
39 27.2 23.6 35.4

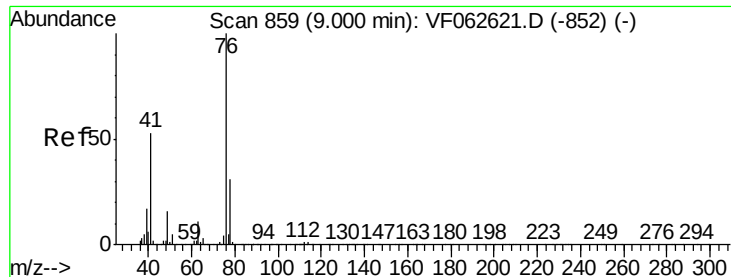


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 73.941 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

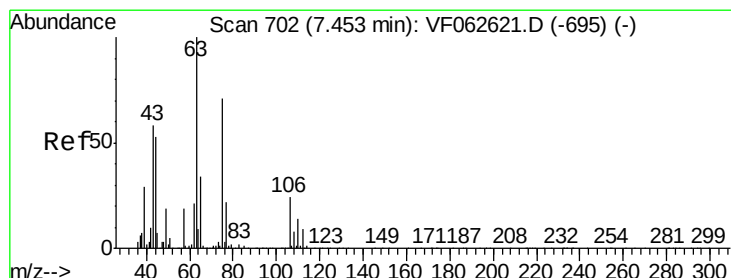
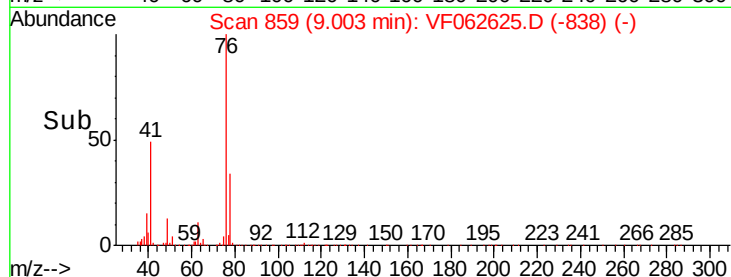
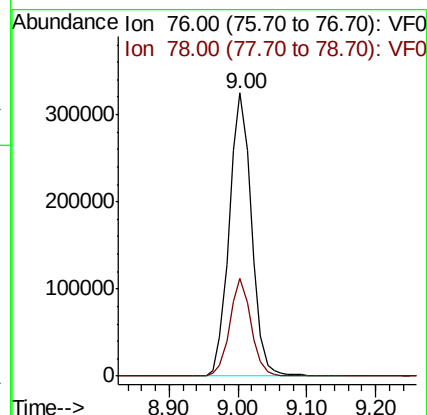
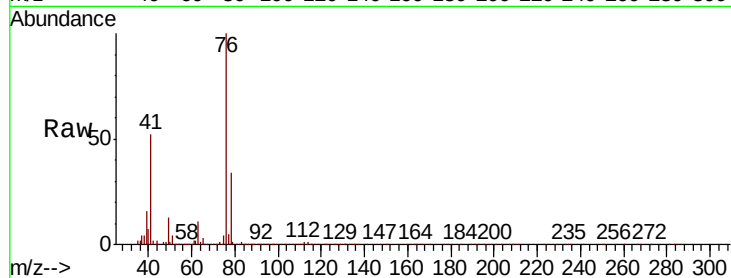
VSTDIC075

Tot Ion: 76 Resp: 727209

Ion Ratio Lower Upper

76 100

78 34.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 356.051 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062625.D

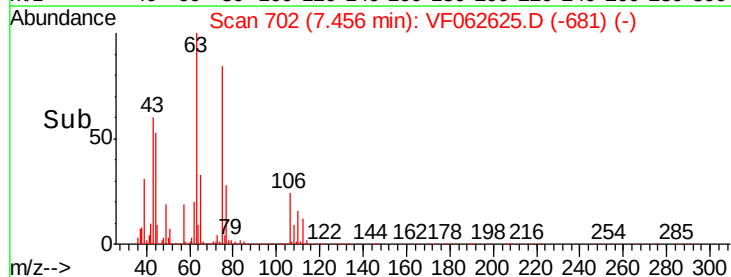
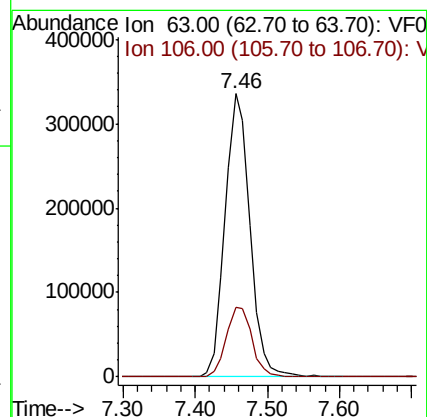
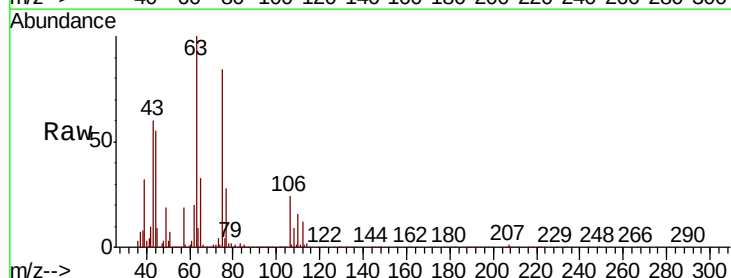
Acq: 16 May 2019 14:09

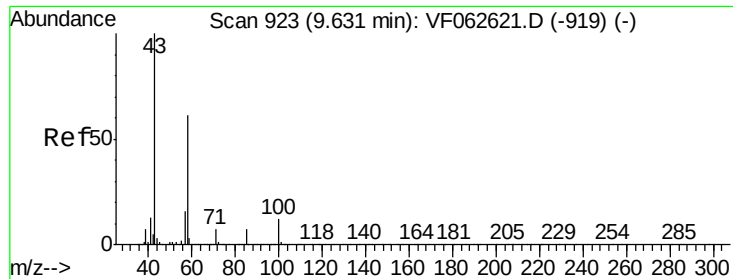
Tgt Ion: 63 Resp: 797257

Ion Ratio Lower Upper

63 100

106 24.5 19.1 28.7

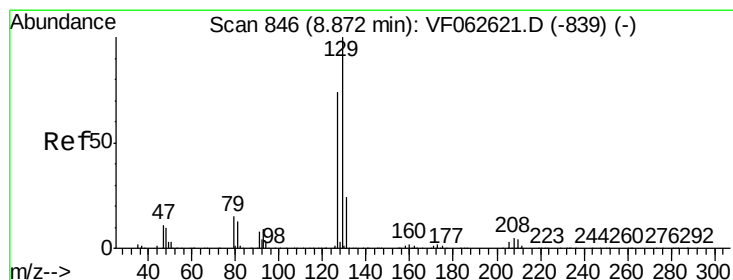
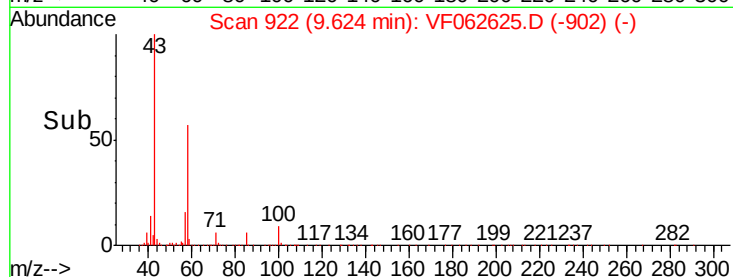
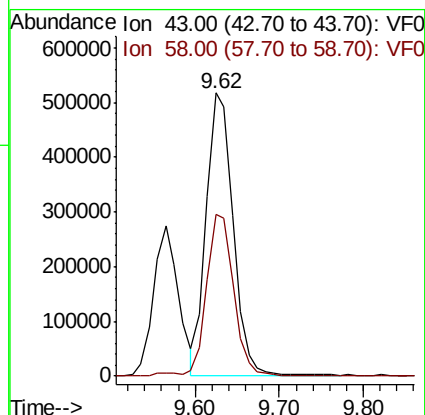
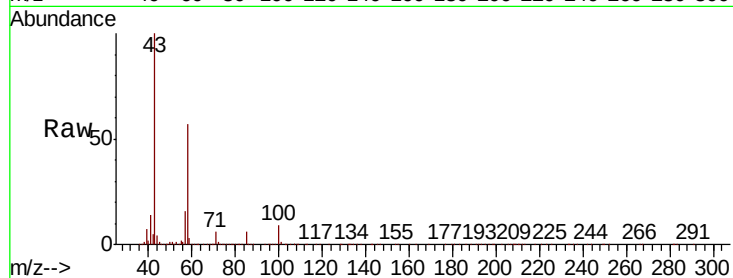




#59
2-Hexanone
Concen: 316.513 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

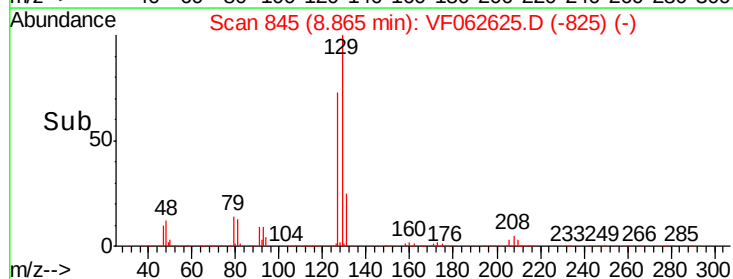
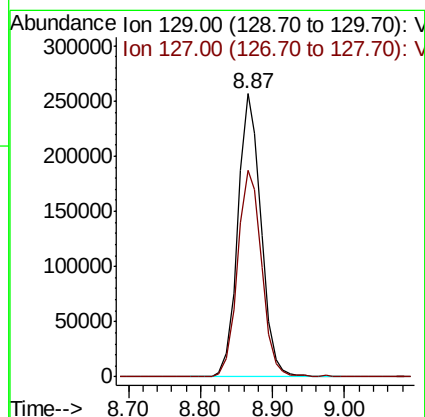
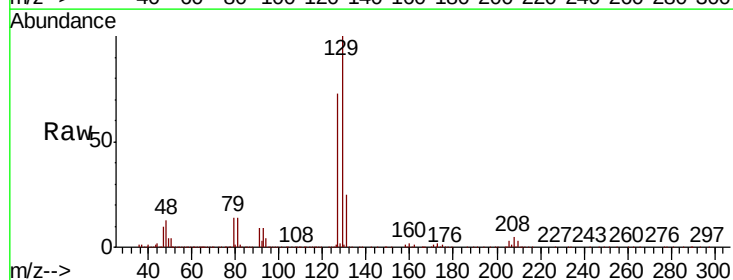
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

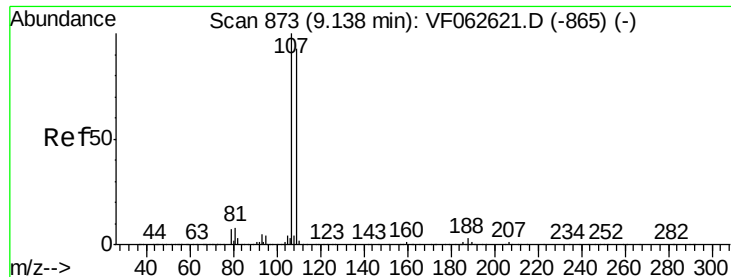
Tot Ion: 43 Resp: 1142096
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.4



#60
Dibromochloromethane
Concen: 76.468 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 129 Resp: 575461
Ion Ratio Lower Upper
129 100
127 72.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 76.874 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

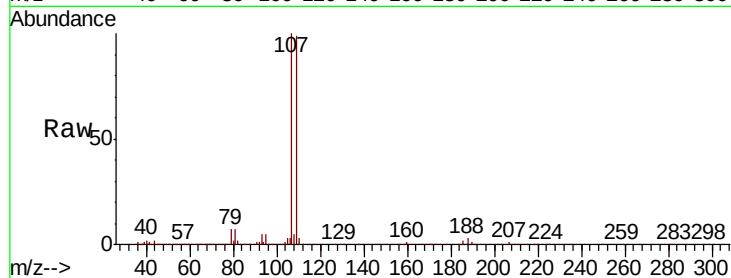
VSTDIC075

Tot Ion:107 Resp: 471470

Ion Ratio Lower Upper

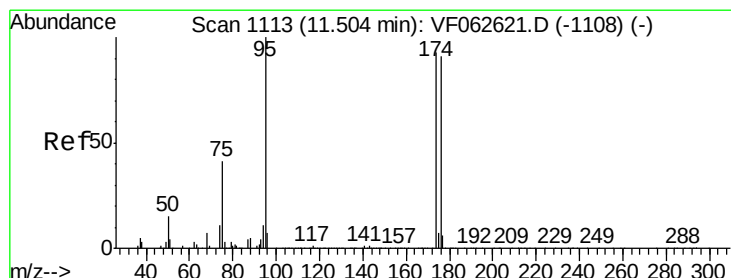
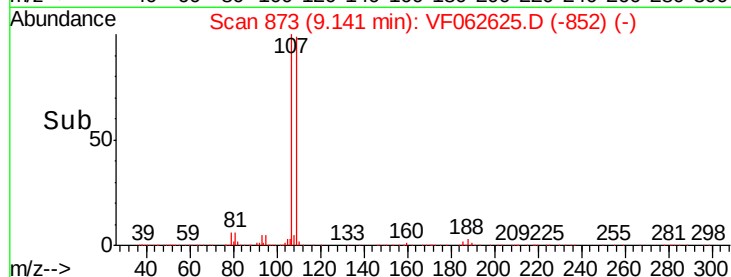
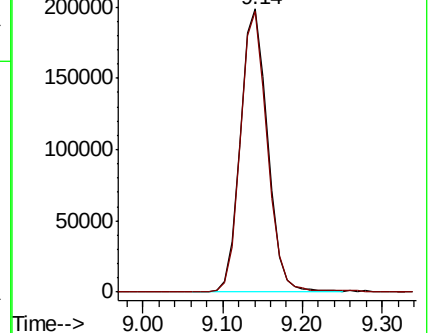
107 100

109 99.4 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: 67.109 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

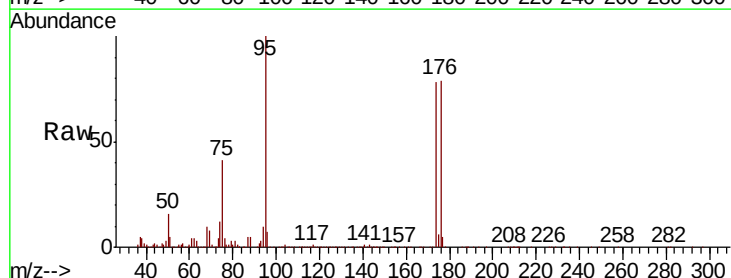
Tgt Ion: 95 Resp: 619429

Ion Ratio Lower Upper

95 100

174 78.3 0.0 185.6

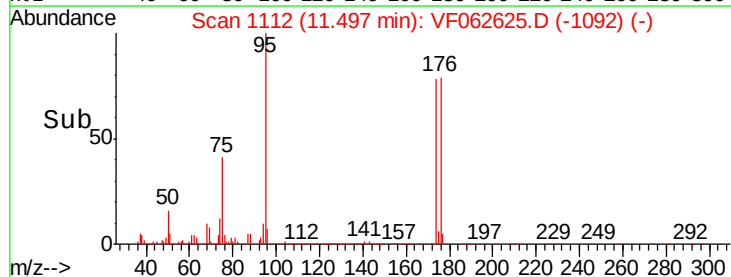
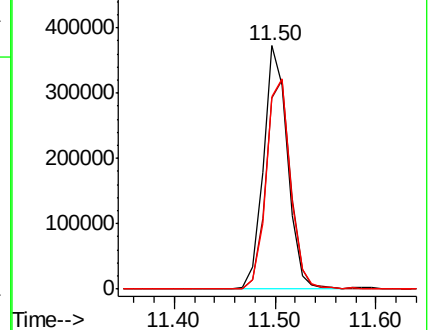
176 79.2 0.0 182.4

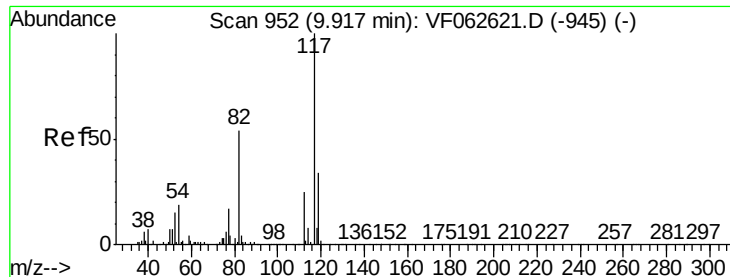


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

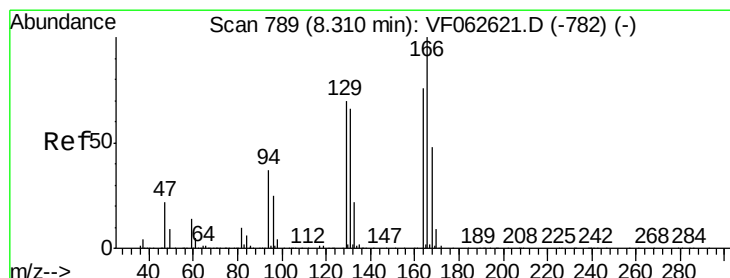
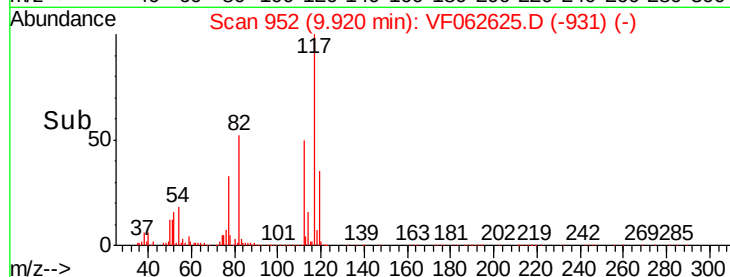
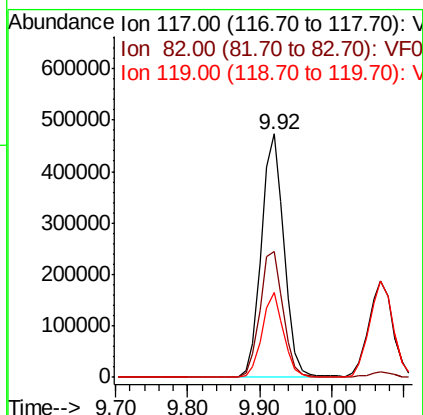
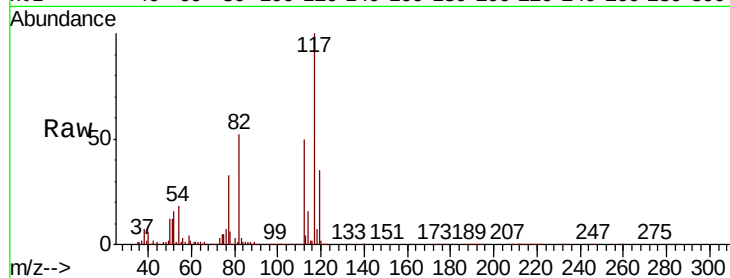




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

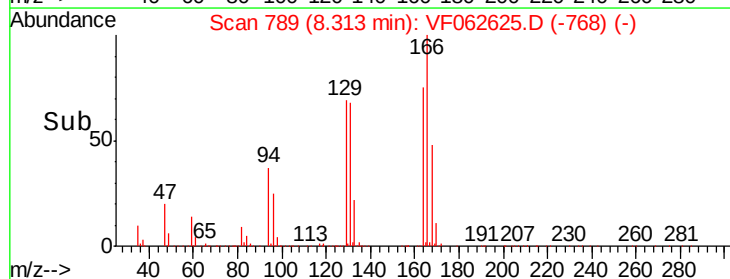
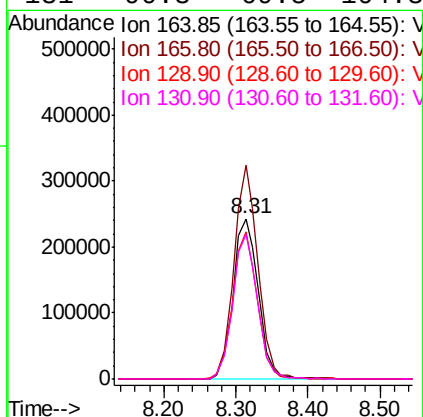
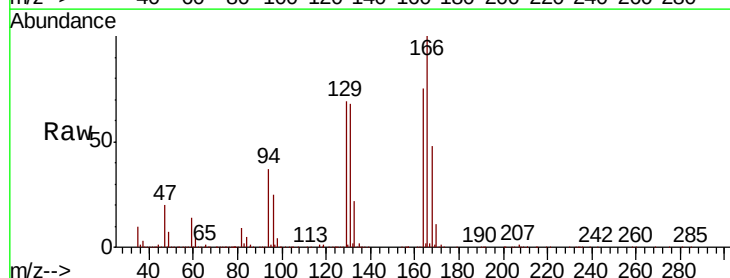
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

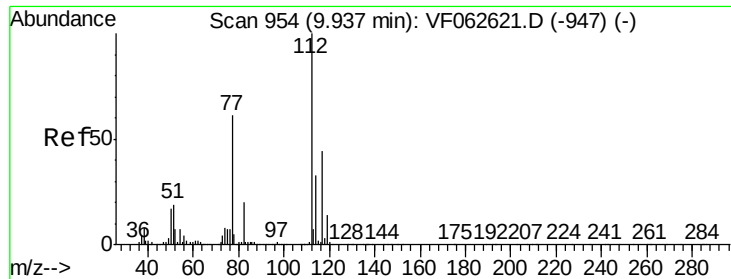
Tot Ion:117 Resp: 1039772
Ion Ratio Lower Upper
117 100
82 51.6 43.3 64.9
119 34.7 27.4 41.0



#64
Tetrachloroethene
Concen: 71.849 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:164 Resp: 591844
Ion Ratio Lower Upper
164 100
166 133.3 105.5 158.3
129 92.1 73.8 110.6
131 90.3 69.5 104.3





#65

Chlorobenzene

Concen: 72.417 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

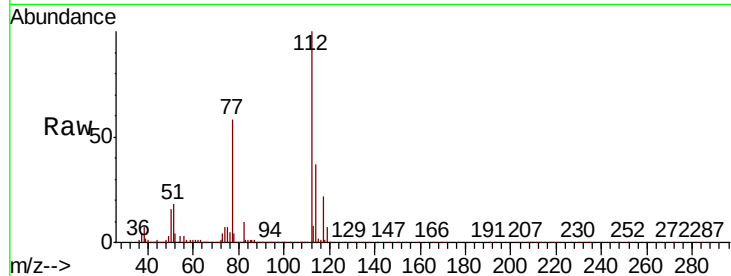
VSTDIC075

Tot Ion:112 Resp: 1478916

Ion Ratio Lower Upper

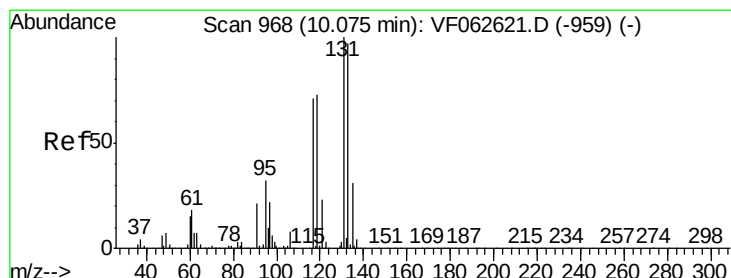
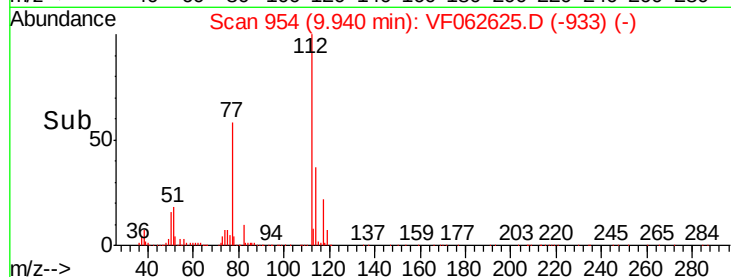
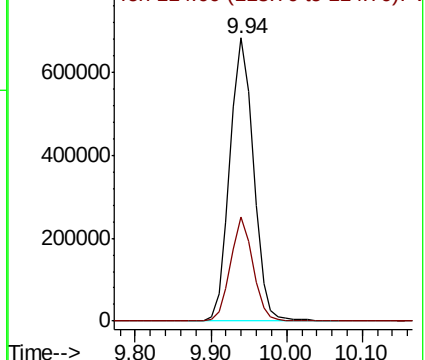
112 100

114 36.9 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 71.420 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

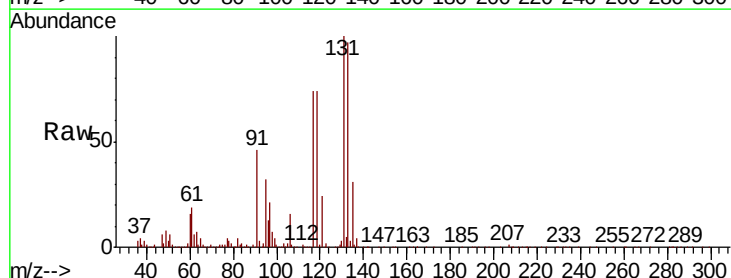
Tgt Ion:131 Resp: 585528

Ion Ratio Lower Upper

131 100

133 97.1 48.5 145.5

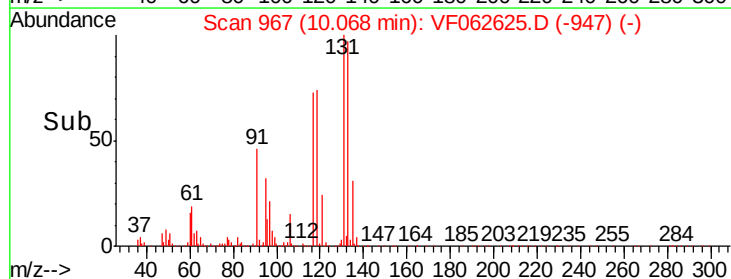
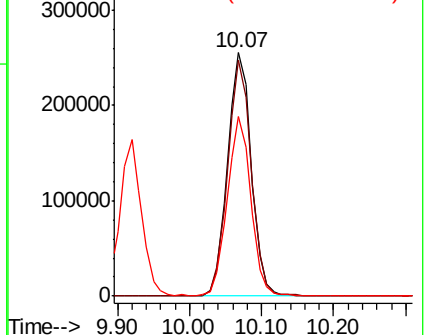
119 73.7 36.8 110.4

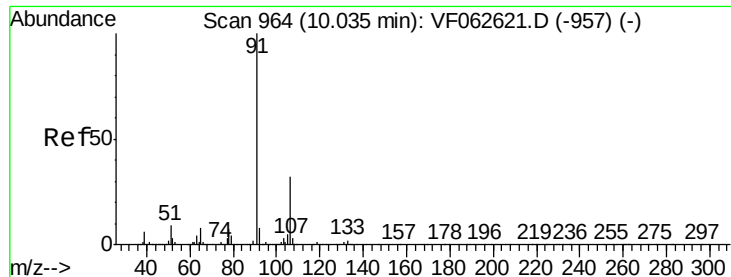


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 70.676 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

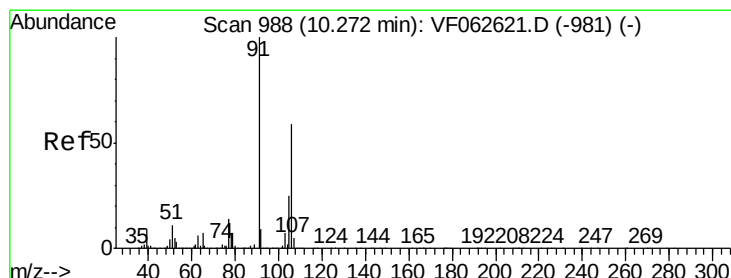
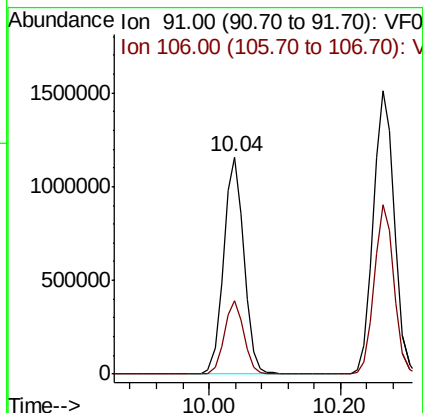
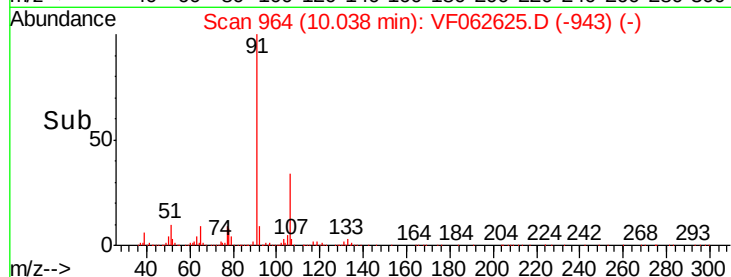
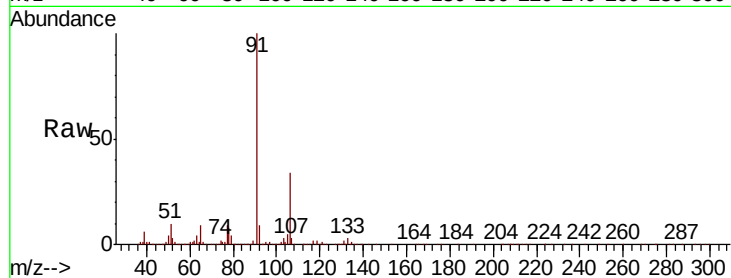
VSTDIC075

Tot Ion: 91 Resp: 2507413

Ion Ratio Lower Upper

91 100

106 33.9 25.8 38.8



#68

m/p-Xylenes

Concen: 141.981 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062625.D

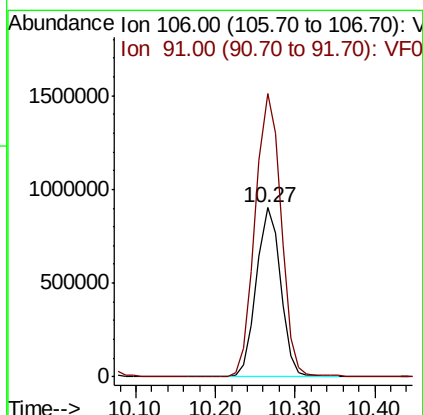
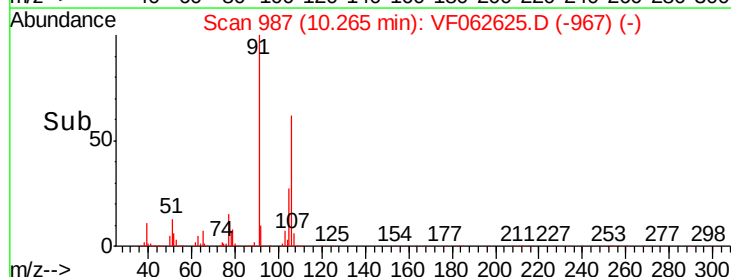
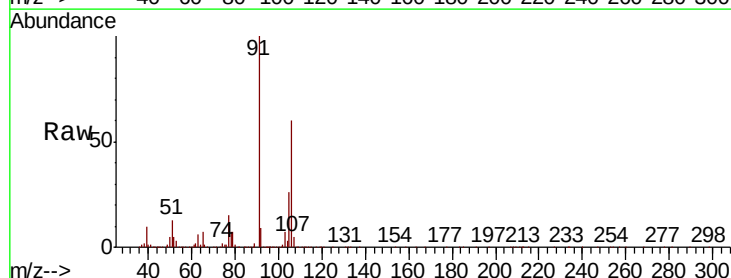
Acq: 16 May 2019 14:09

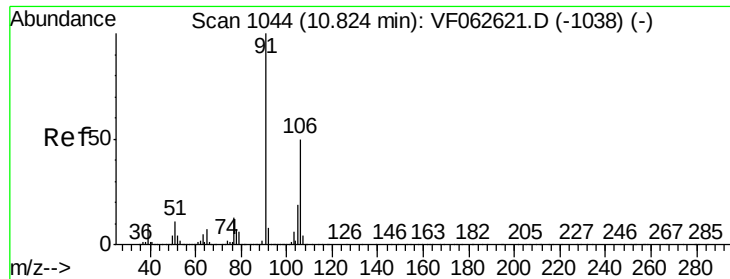
Tgt Ion: 106 Resp: 1893191

Ion Ratio Lower Upper

106 100

91 167.4 136.9 205.3

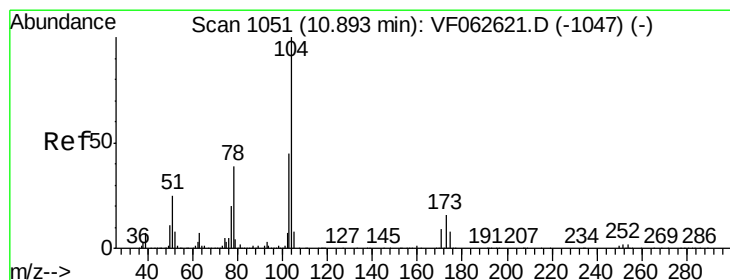
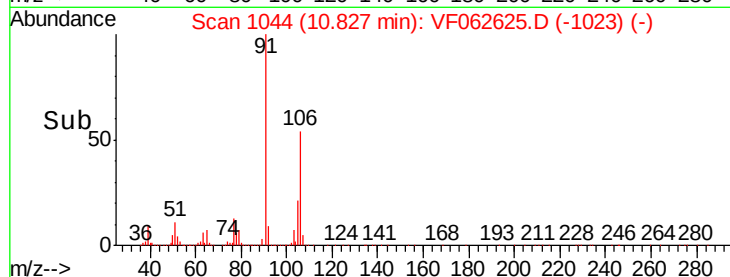
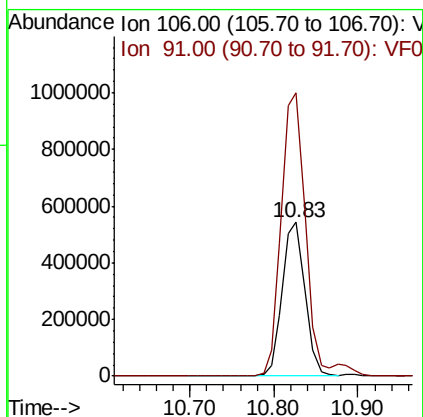
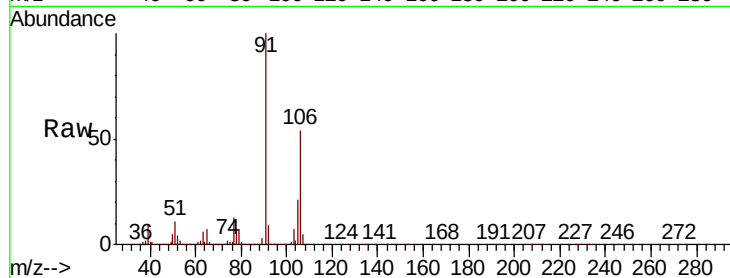




#69
o-Xylene
Concen: 74.336 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

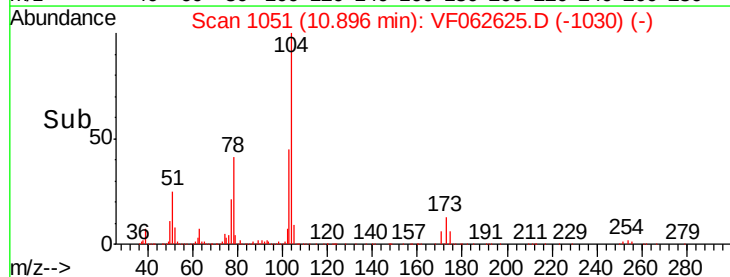
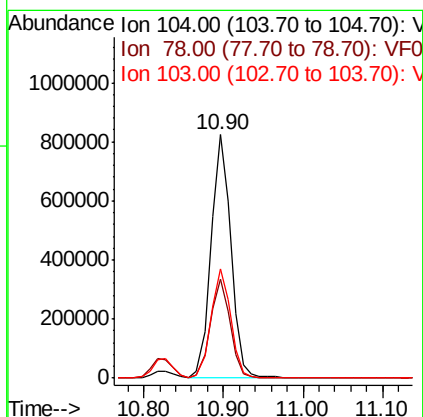
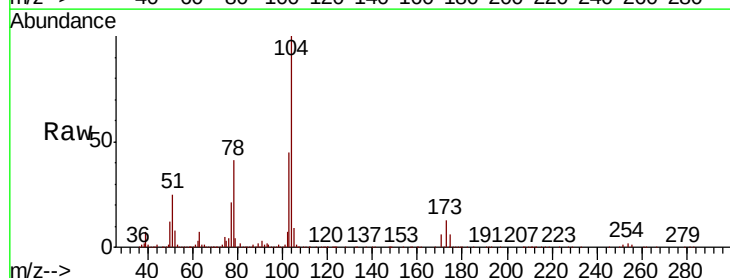
Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

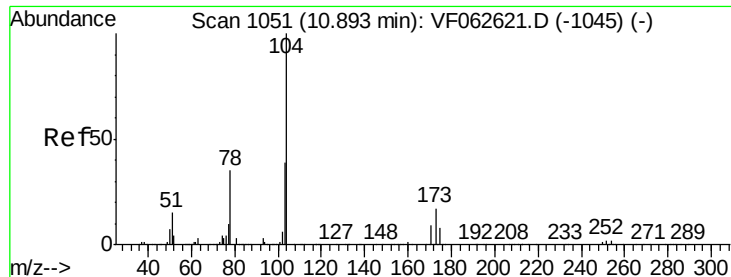
Tot Ion:106 Resp: 1020946
Ion Ratio Lower Upper
106 100
91 183.7 100.2 300.5



#70
Styrene
Concen: 69.395 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:104 Resp: 1448635
Ion Ratio Lower Upper
104 100
78 40.7 31.9 47.9
103 44.9 36.1 54.1





#71

Bromoform

Concen: 75.525 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

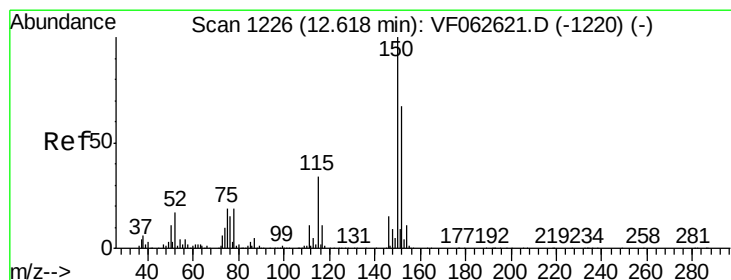
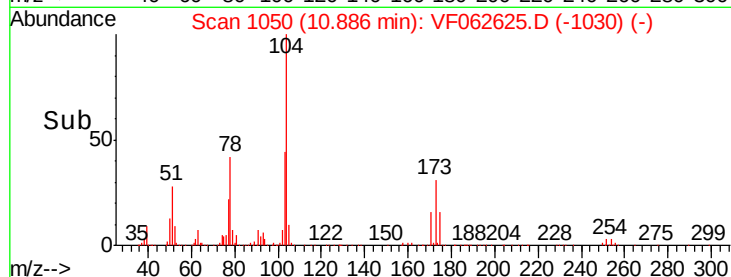
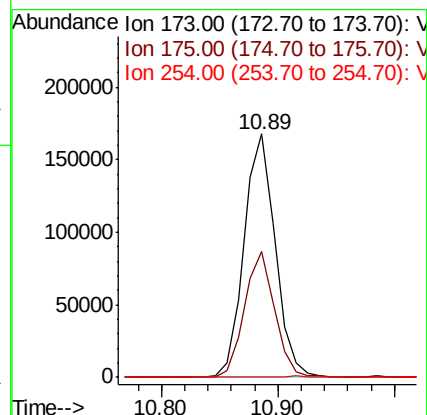
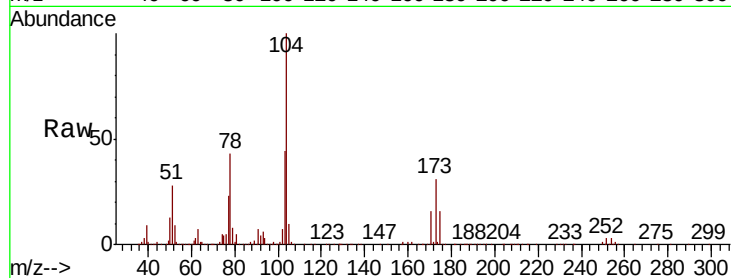
Tot Ion:173 Resp: 310110

Ion Ratio Lower Upper

173 100

175 50.7 25.3 75.9

254 0.1 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: VF062625.D

Acq: 16 May 2019 14:09

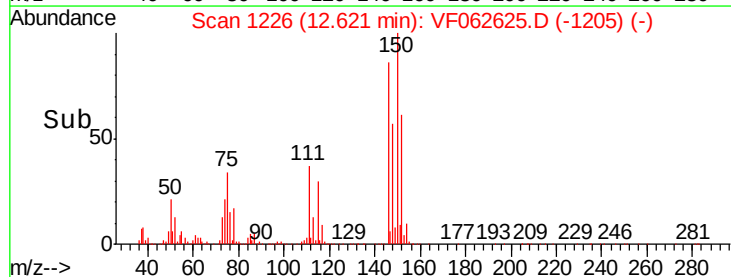
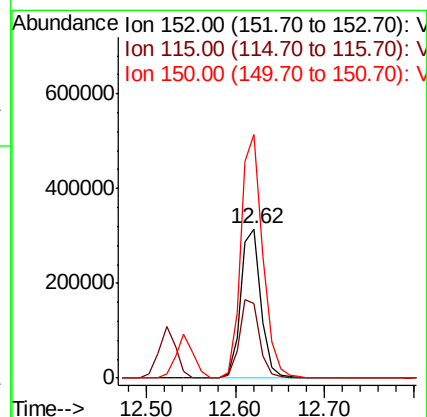
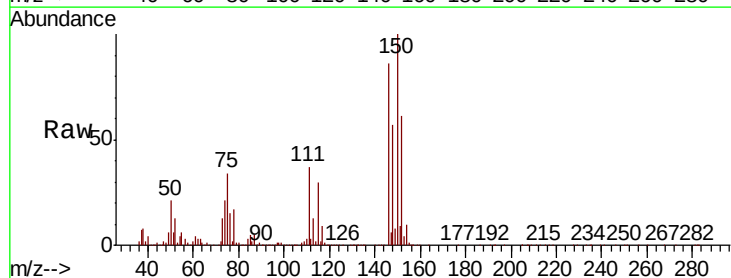
Tgt Ion:152 Resp: 501785

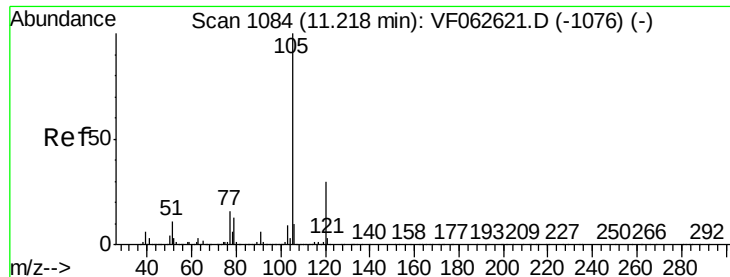
Ion Ratio Lower Upper

152 100

115 49.6 25.2 75.6

150 163.0 0.0 306.2





#73

Isopropylbenzene

Concen: 72.008 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

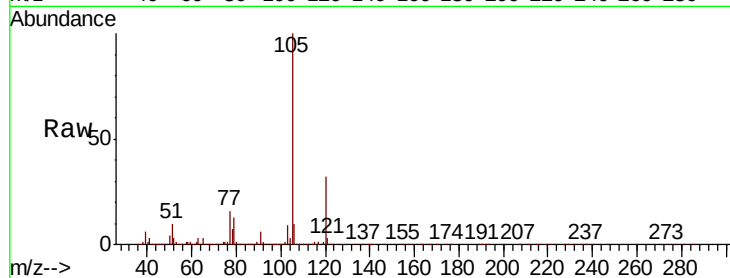
VSTDIC075

Tot Ion:105 Resp: 2589673

Ion Ratio Lower Upper

105 100

120 31.9 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

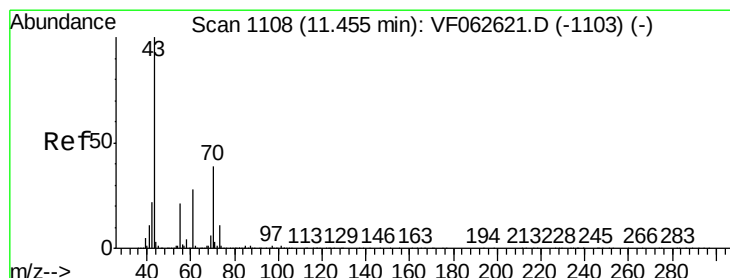
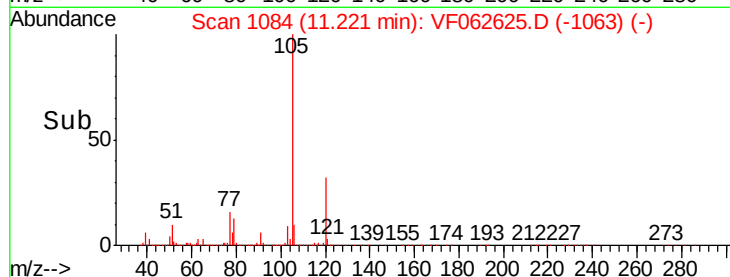
1500000

1000000

500000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 56.990 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion: 43 Resp: 632304

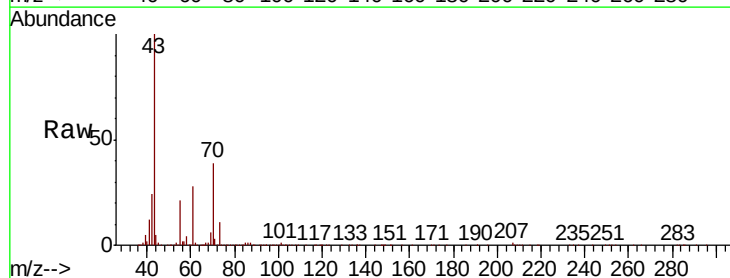
Ion Ratio Lower Upper

43 100

70 38.9 30.9 46.3

55 20.9 17.0 25.4

61 28.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

600000

500000

400000

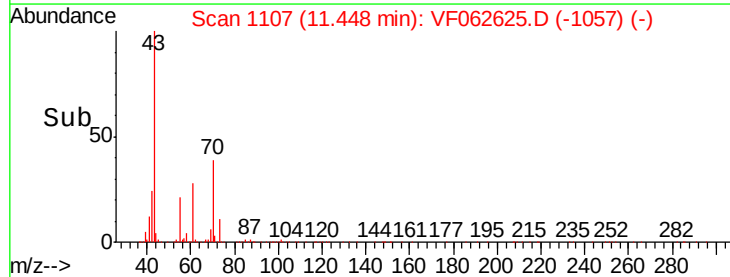
300000

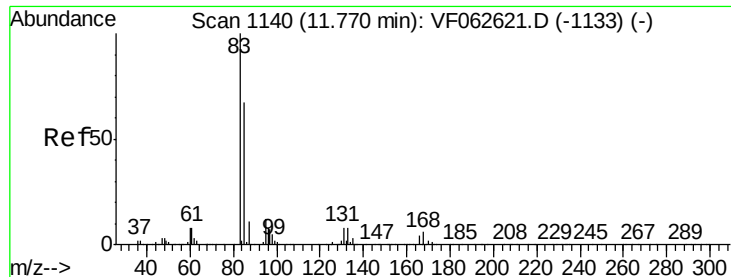
200000

100000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 69.086 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

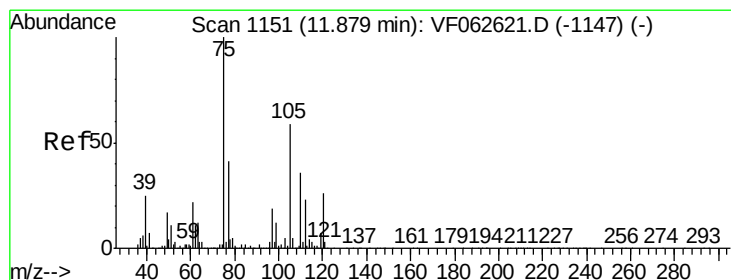
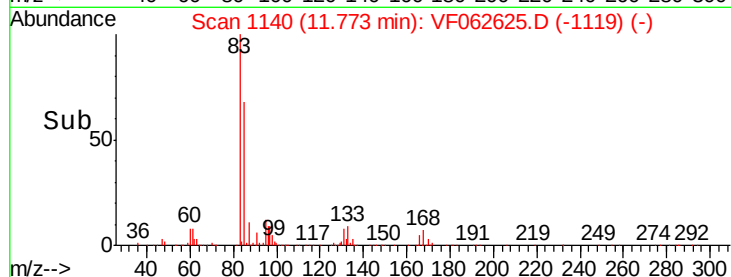
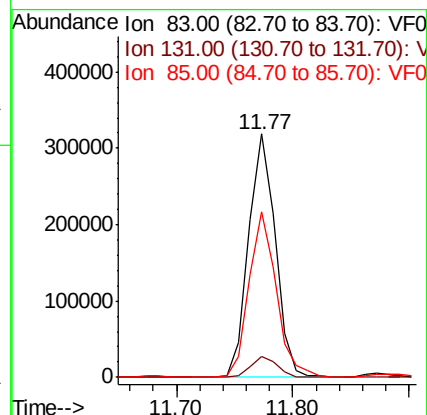
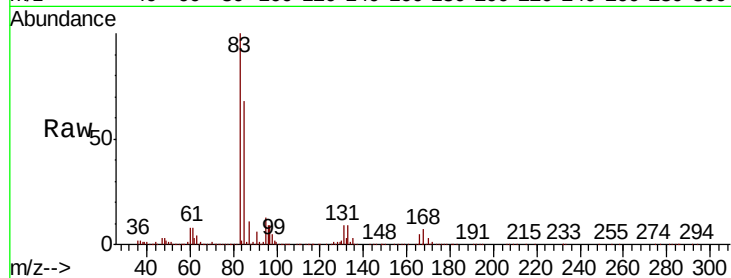
Tot Ion: 83 Resp: 507757

Ion Ratio Lower Upper

83 100

131 8.6 4.0 12.0

85 68.2 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 65.569 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062625.D

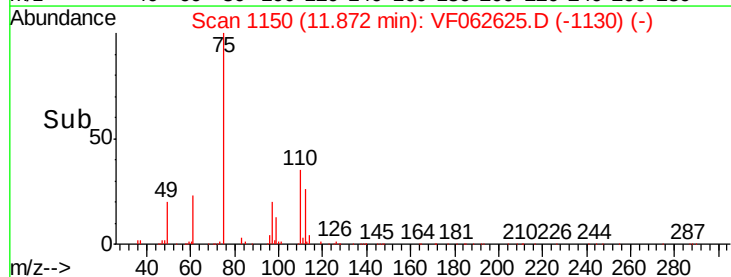
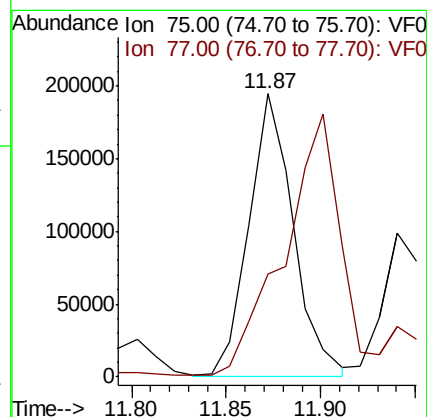
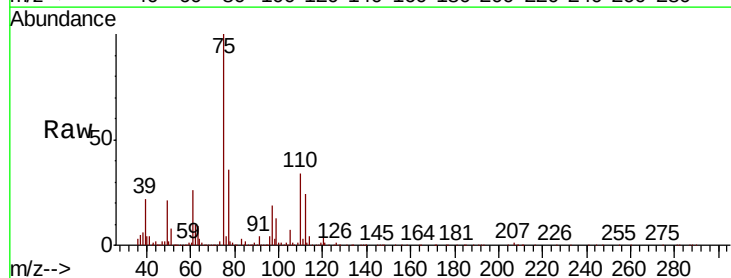
Acq: 16 May 2019 14:09

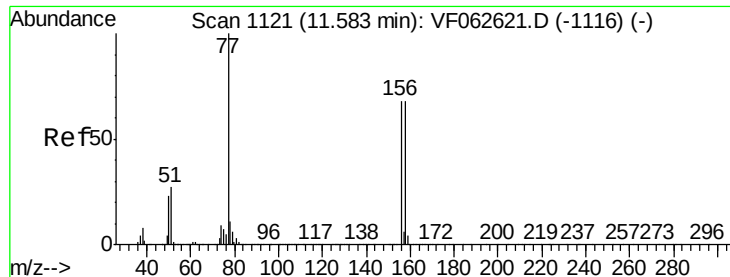
Tgt Ion: 75 Resp: 316644

Ion Ratio Lower Upper

75 100

77 36.3 20.6 61.8





#77

Bromobenzene

Concen: 71.054 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

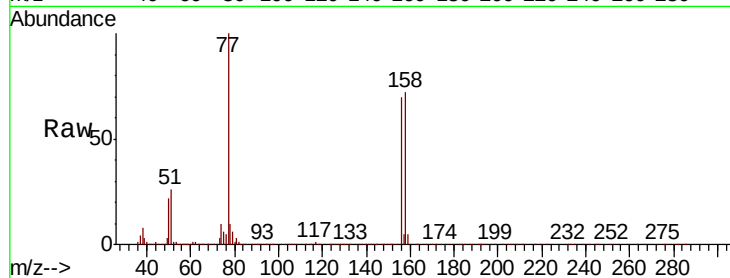
Tot Ion:156 Resp: 635184

Ion Ratio Lower Upper

156 100

77 142.3 73.6 220.8

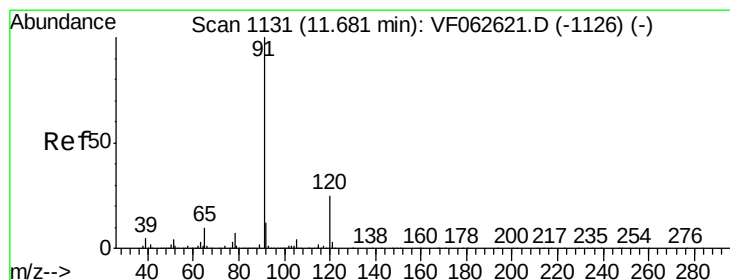
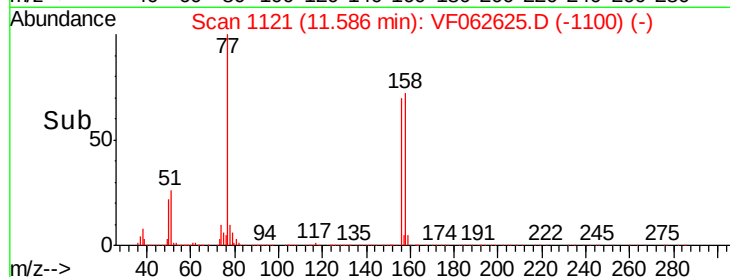
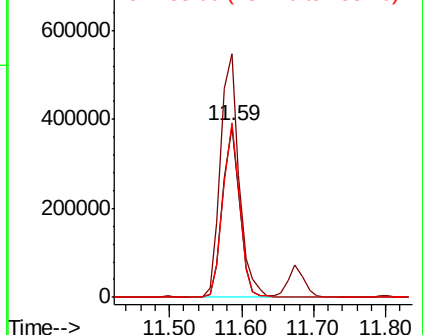
158 101.8 49.6 148.8



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: 66.285 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062625.D

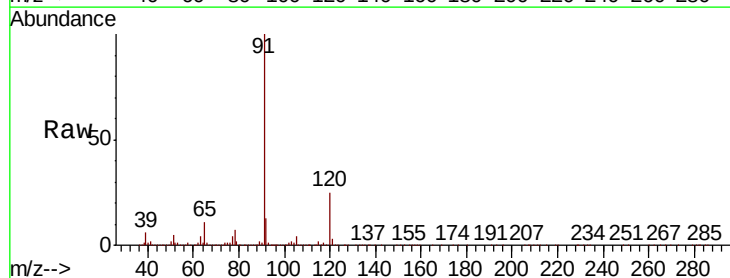
Acq: 16 May 2019 14:09

Tgt Ion: 91 Resp: 2821231

Ion Ratio Lower Upper

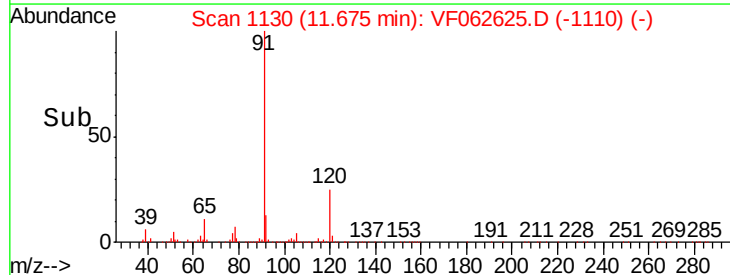
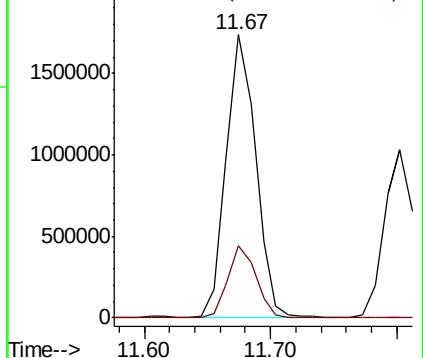
91 100

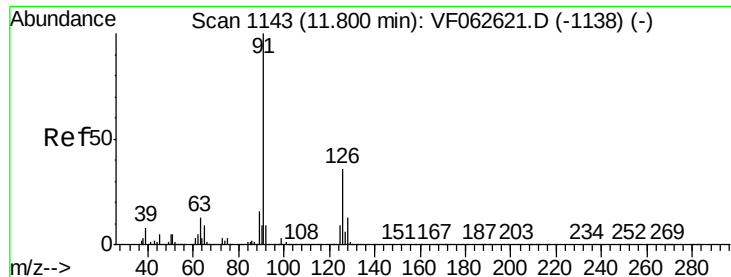
120 25.5 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 69.933 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

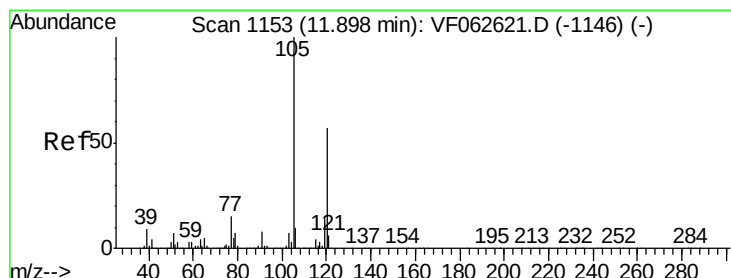
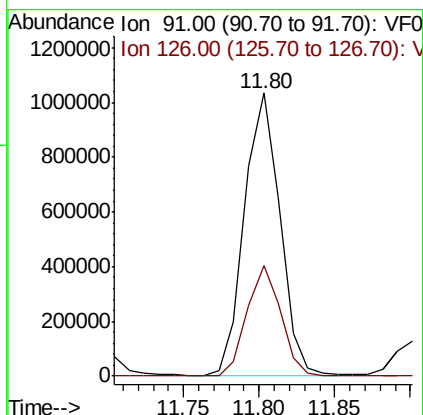
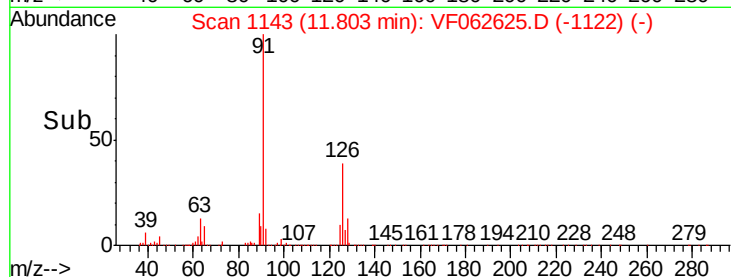
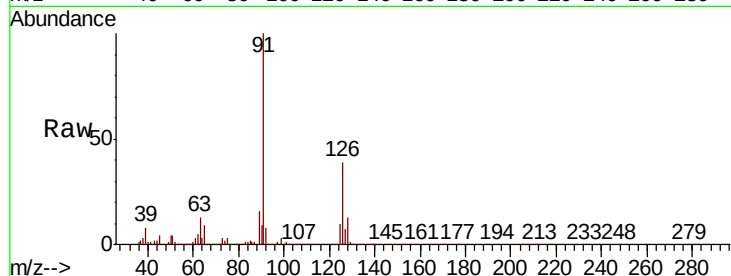
VSTDIC075

Tot Ion: 91 Resp: 1677434

Ion Ratio Lower Upper

91 100

126 38.9 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 66.617 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062625.D

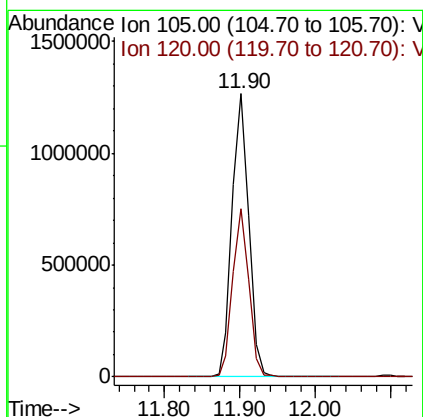
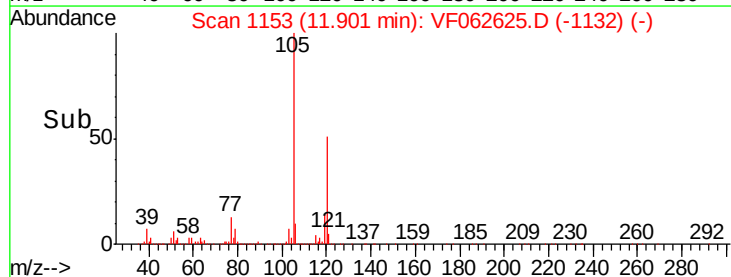
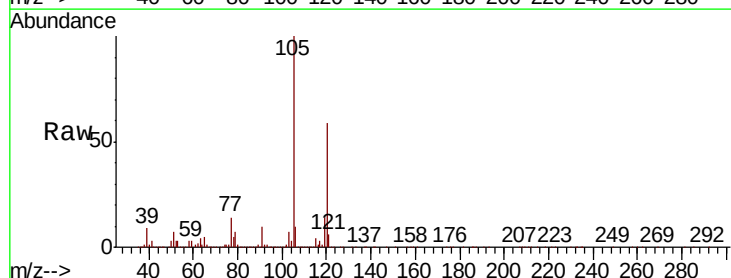
Acq: 16 May 2019 14:09

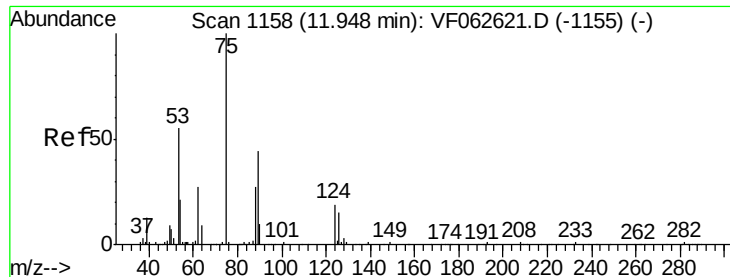
Tgt Ion:105 Resp: 1921043

Ion Ratio Lower Upper

105 100

120 59.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 74.425 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

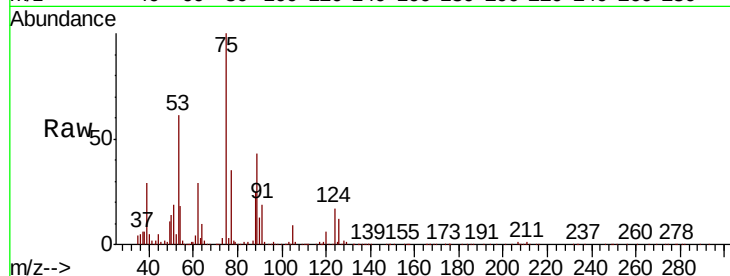
Tot Ion: 75 Resp: 199689

Ion Ratio Lower Upper

75 100

53 60.6 46.9 70.3

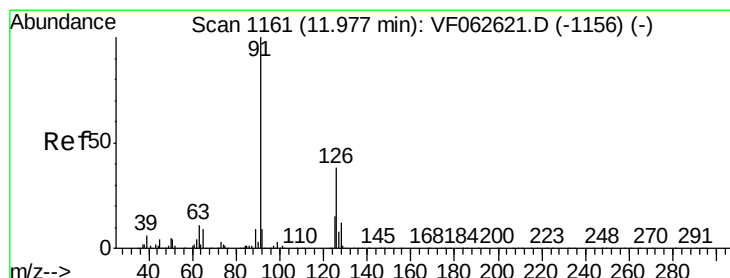
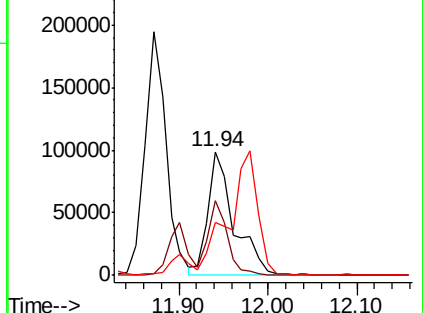
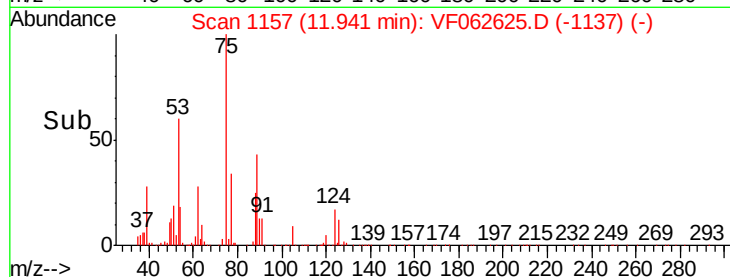
89 42.9 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 69.872 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062625.D

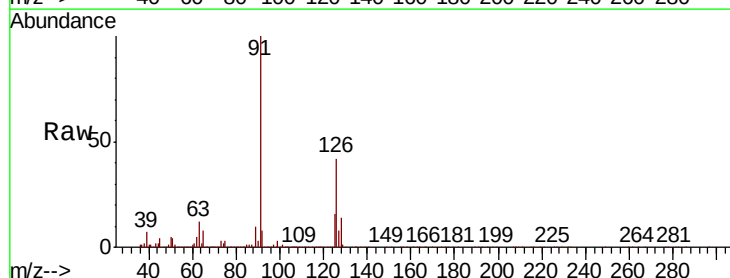
Acq: 16 May 2019 14:09

Tgt Ion: 91 Resp: 1652733

Ion Ratio Lower Upper

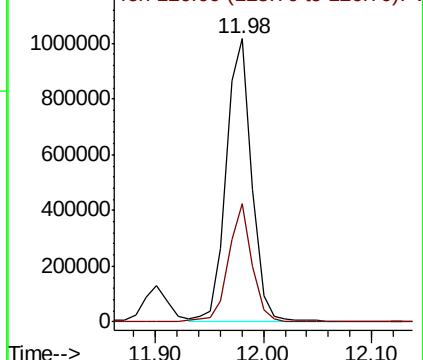
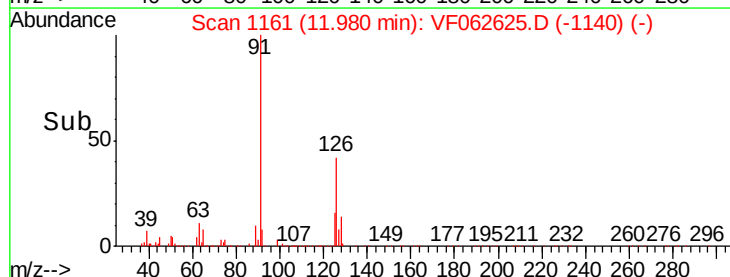
91 100

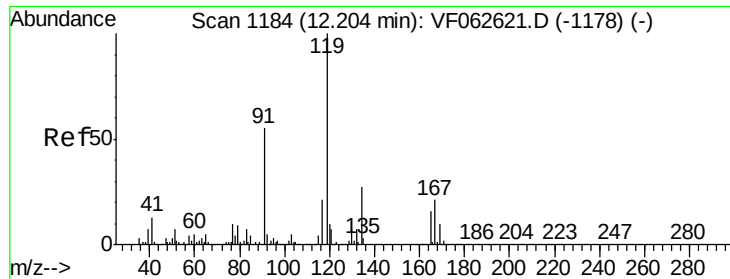
126 41.7 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

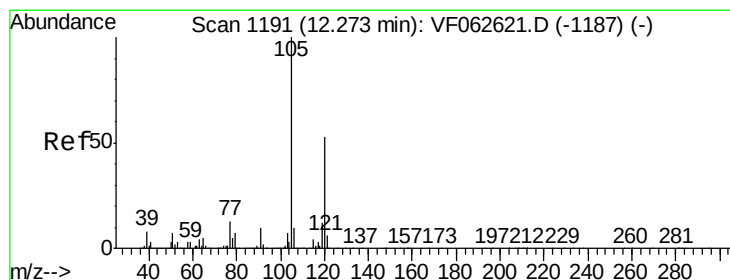
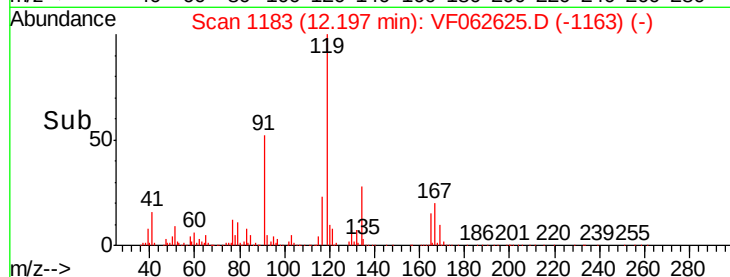
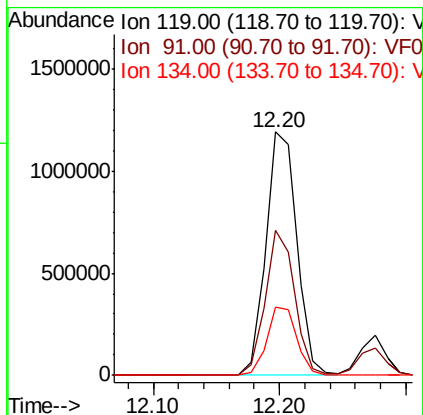
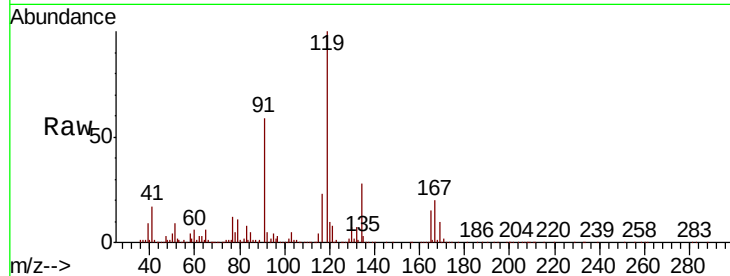




#83
 tert-Butylbenzene
 Concen: 69.820 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

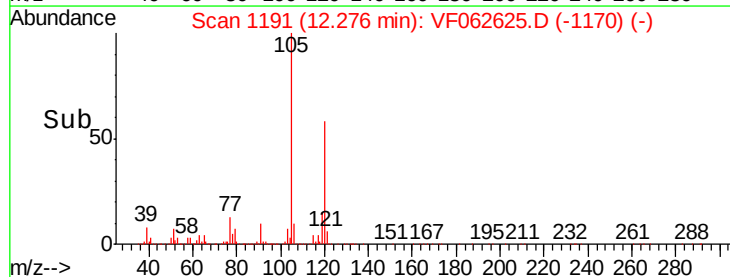
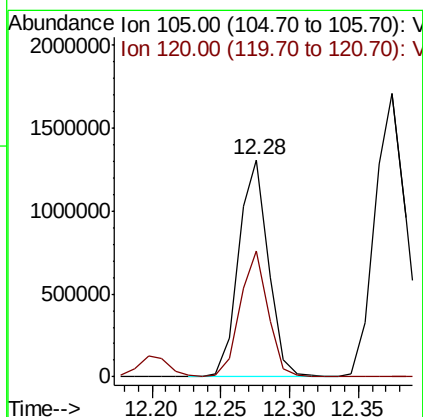
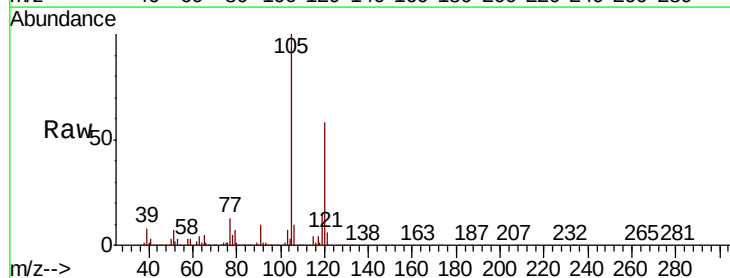
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

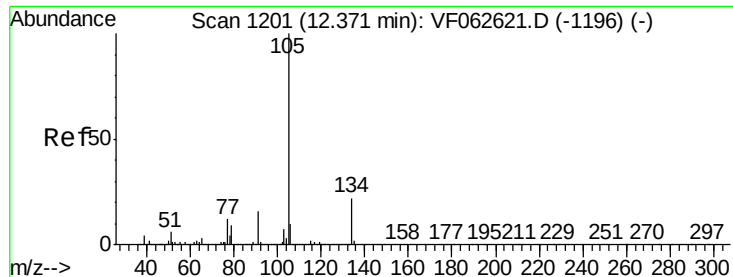
Tot Ion:119 Resp: 2042731
 Ion Ratio Lower Upper
 119 100
 91 59.5 27.3 81.9
 134 28.1 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 70.305 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion:105 Resp: 1962264
 Ion Ratio Lower Upper
 105 100
 120 58.0 26.7 80.1





#85

sec-Butylbenzene

Concen: 68.343 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

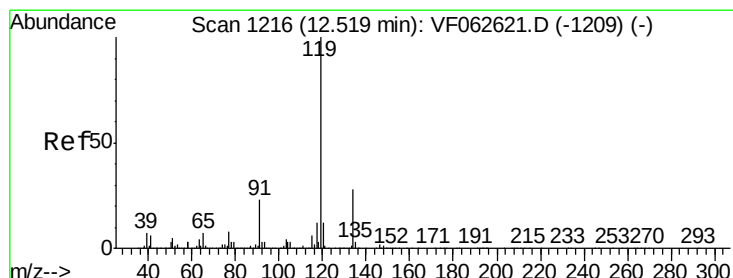
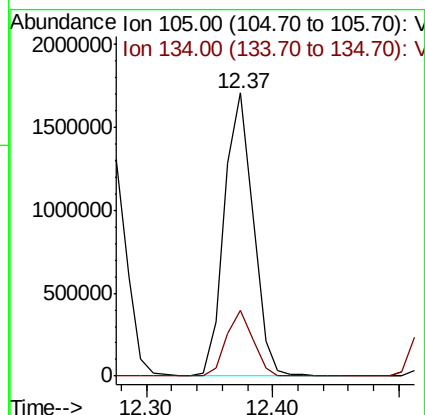
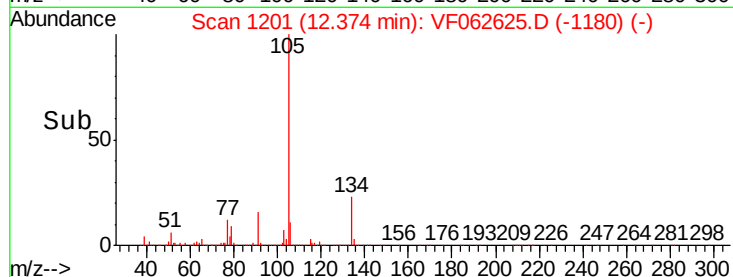
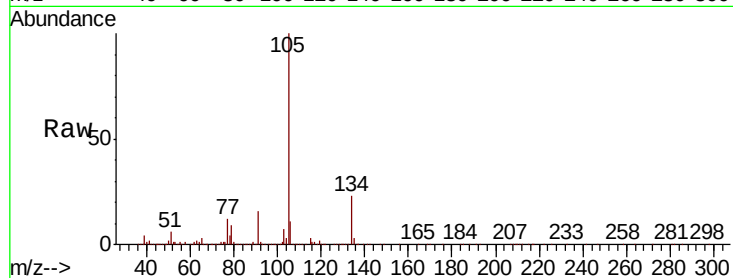
VSTDIC075

Tot Ion:105 Resp: 2683371

Ion Ratio Lower Upper

105 100

134 23.4 10.8 32.4



#86

p-Isopropyltoluene

Concen: 69.553 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

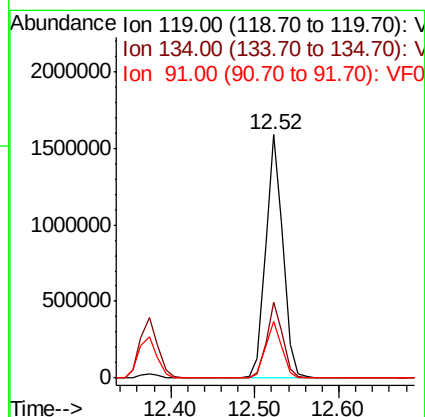
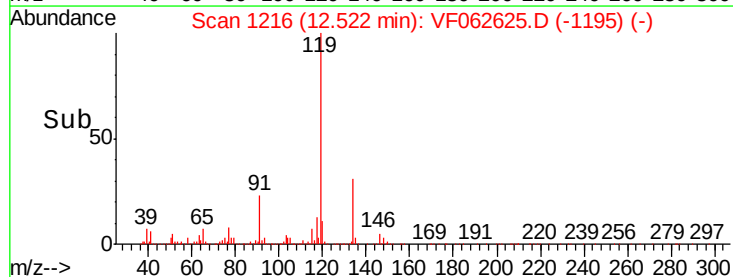
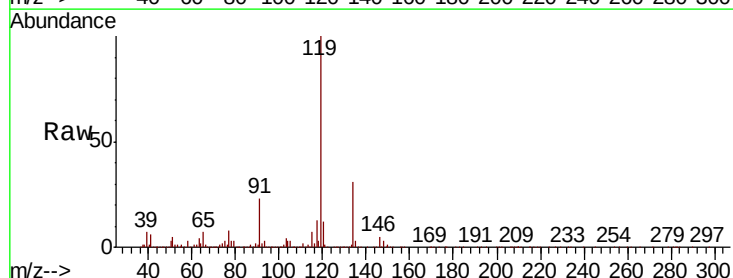
Tgt Ion:119 Resp: 2301464

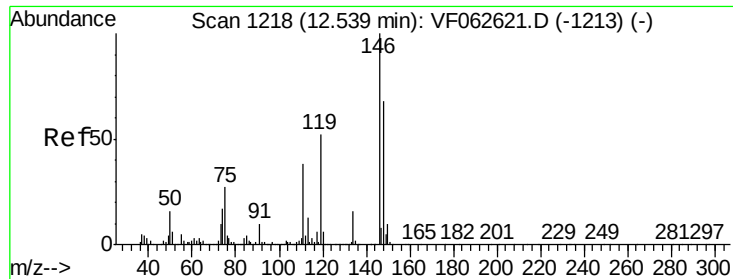
Ion Ratio Lower Upper

119 100

134 31.3 14.1 42.3

91 23.2 11.4 34.2

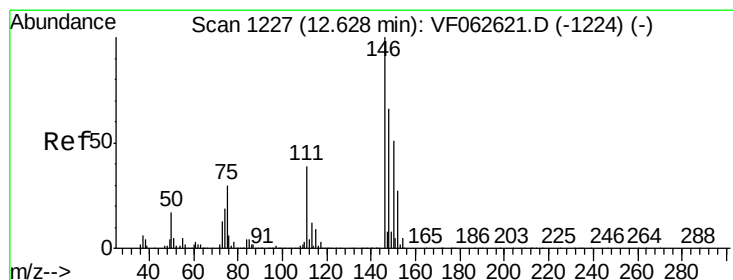
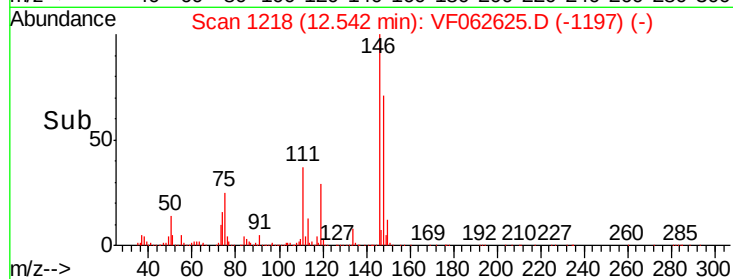
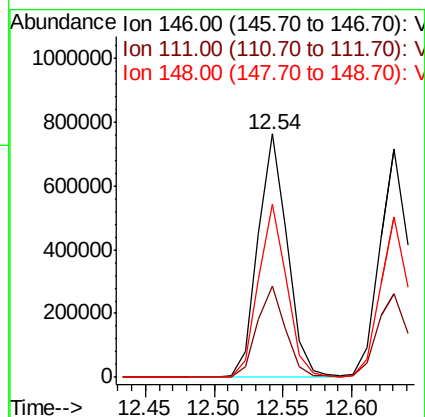
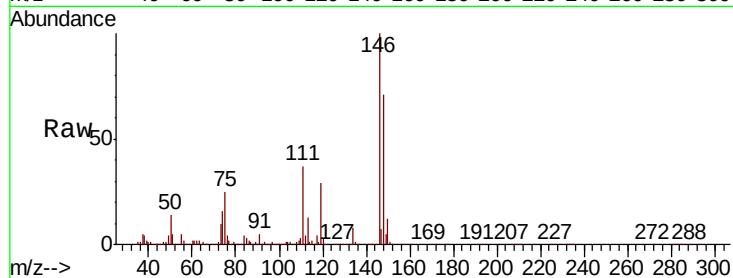




#87
 1,3-Dichlorobenzene
 Concen: 70.372 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

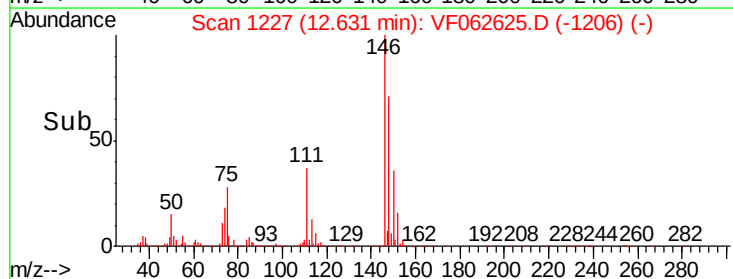
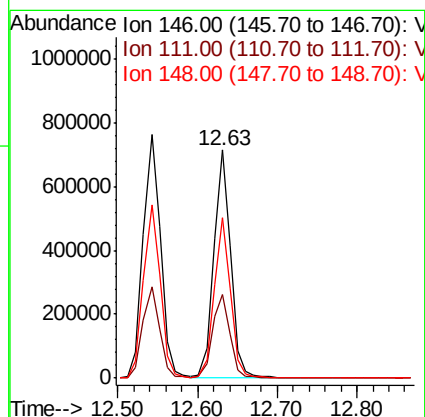
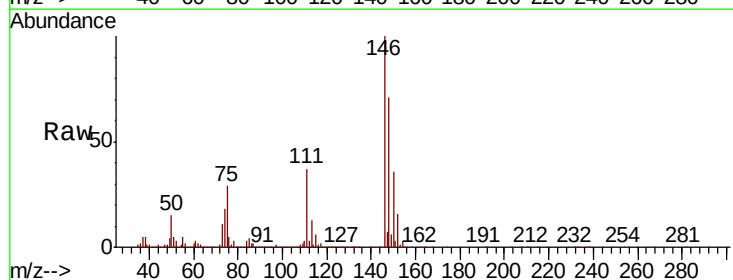
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

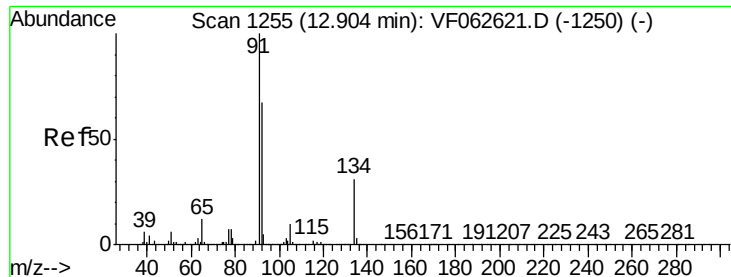
Tot Ion:146 Resp: 1138158
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 70.9 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 69.828 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion:146 Resp: 1059812
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.2
 148 70.7 33.2 99.6

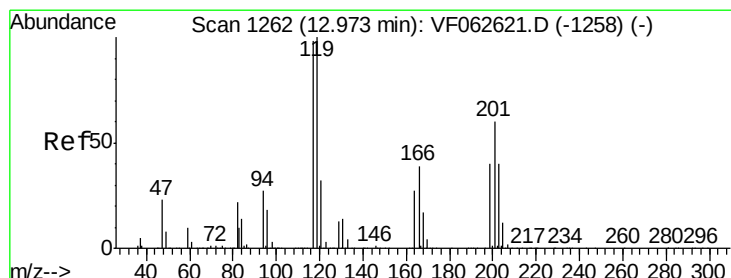
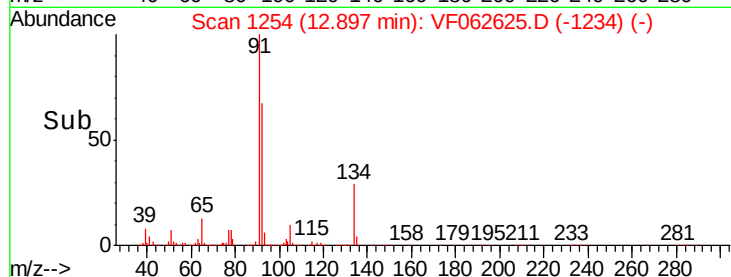
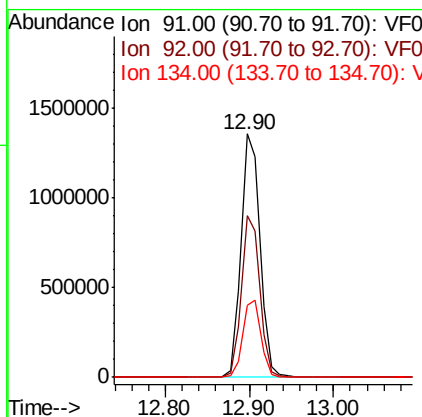
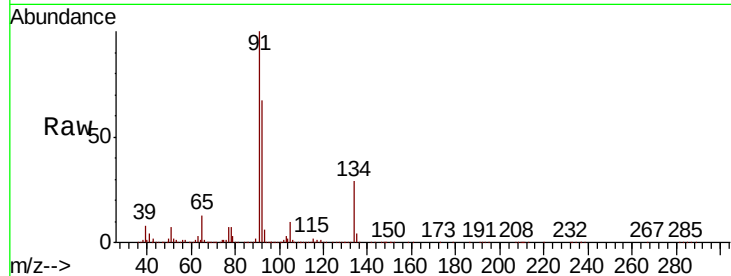




#89
n-Butylbenzene
Concen: 64.931 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

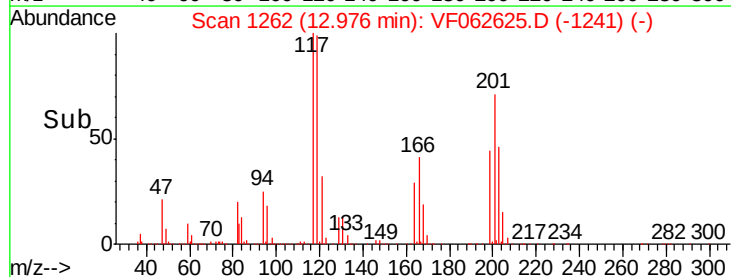
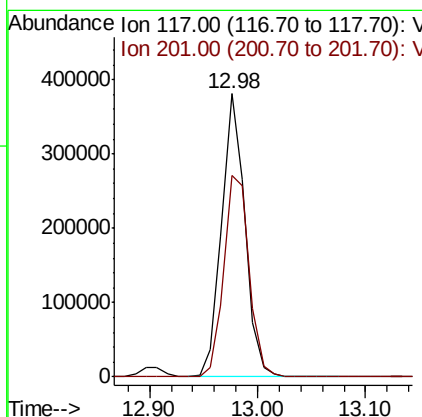
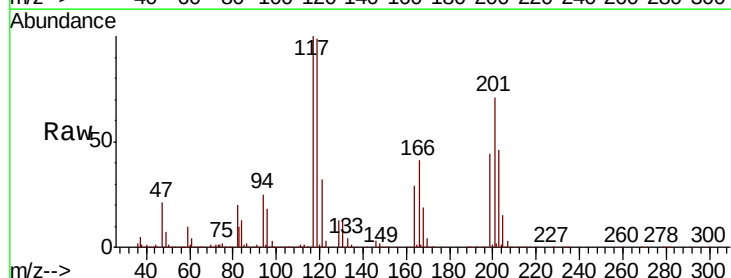
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

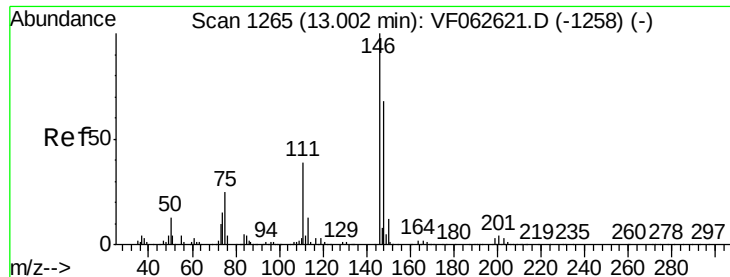
Tot Ion: 91 Resp: 2118335
Ion Ratio Lower Upper
91 100
92 66.6 33.3 99.8
134 29.4 15.4 46.4



#90
Hexachloroethane
Concen: 71.723 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 117 Resp: 569314
Ion Ratio Lower Upper
117 100
201 73.0 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 68.446 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

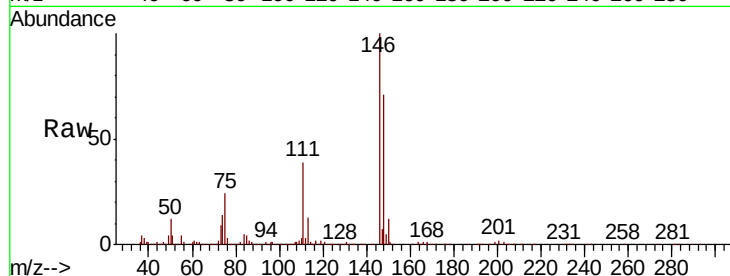
Tot Ion:146 Resp: 986768

Ion Ratio Lower Upper

146 100

111 38.5 19.8 59.3

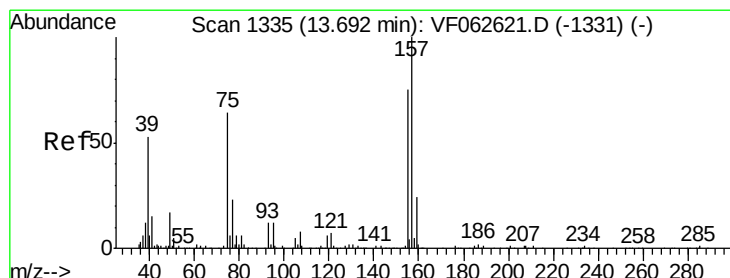
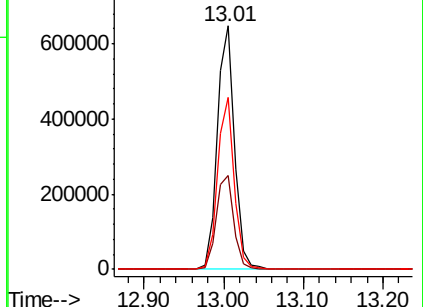
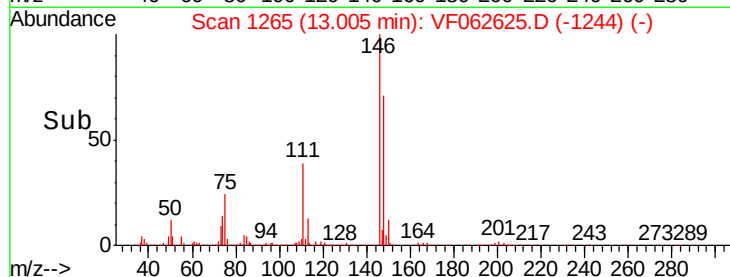
148 70.8 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 76.130 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

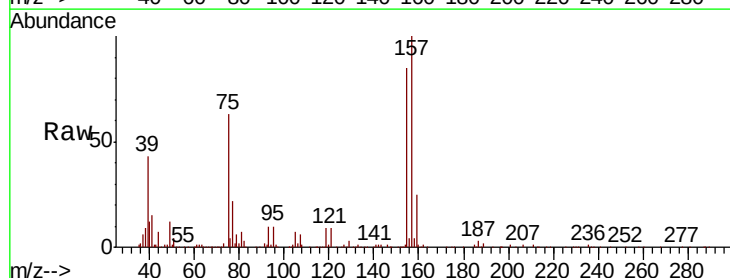
Tgt Ion: 75 Resp: 66750

Ion Ratio Lower Upper

75 100

155 134.1 58.1 174.3

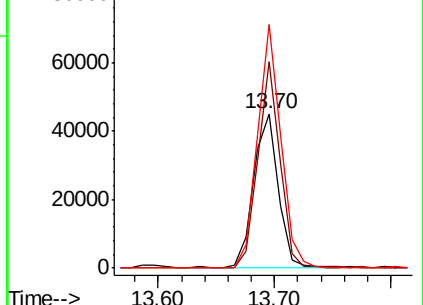
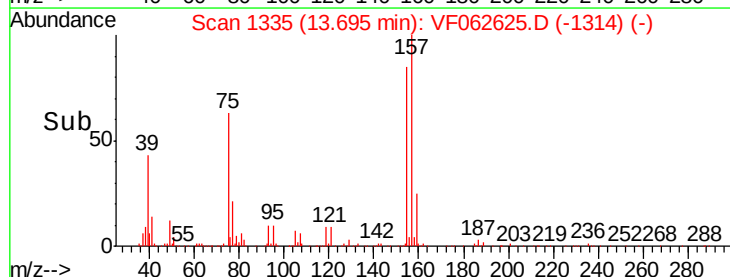
157 157.7 77.8 233.4

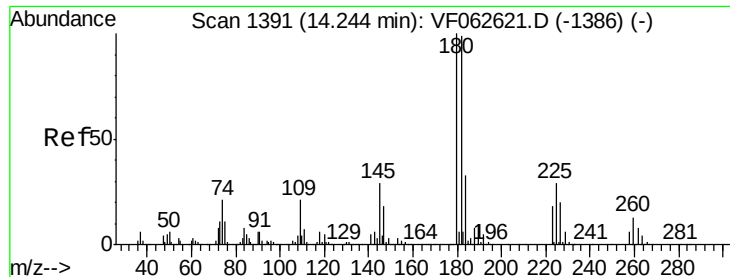


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

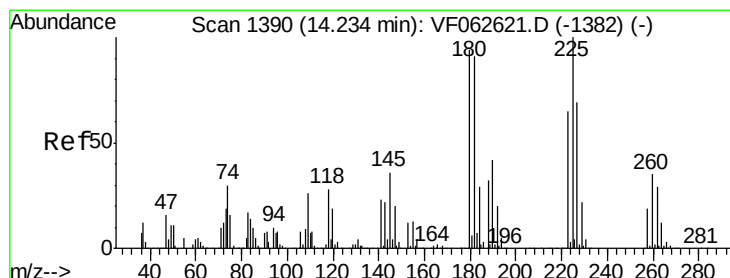
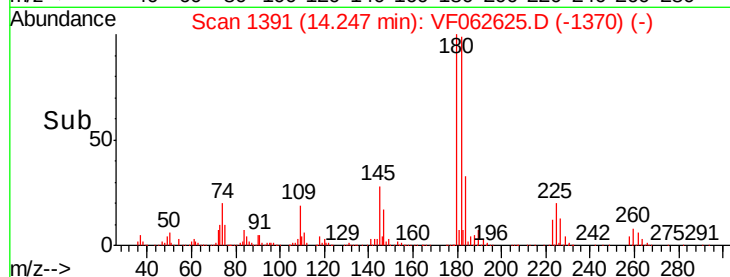
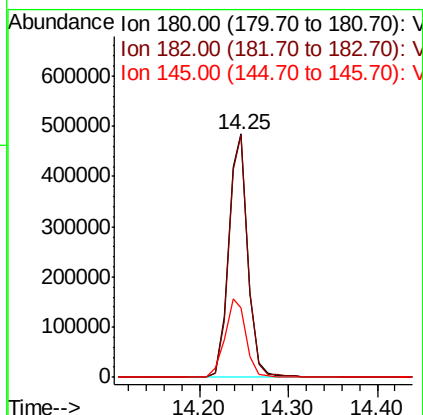
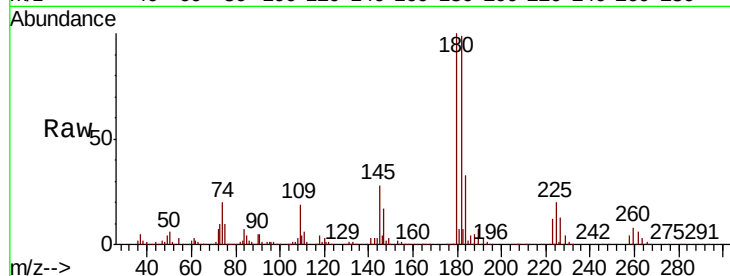




#93
 1,2,4-Trichlorobenzene
 Concen: 71.828 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

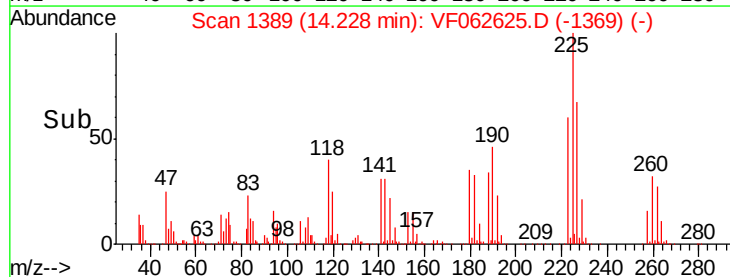
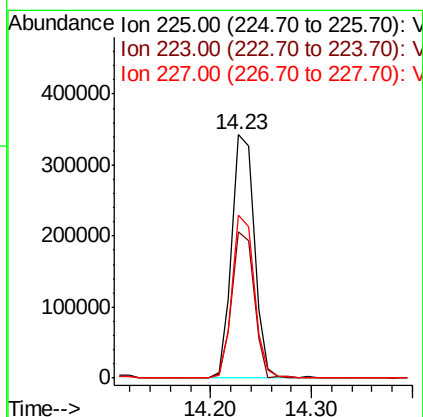
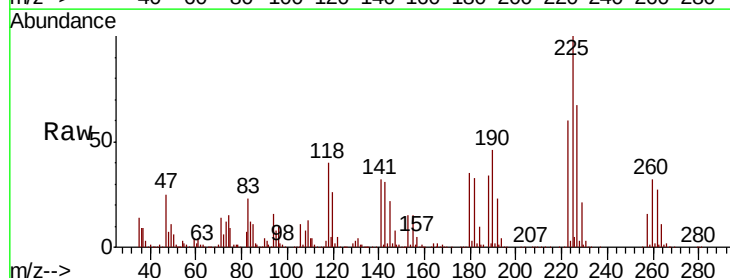
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

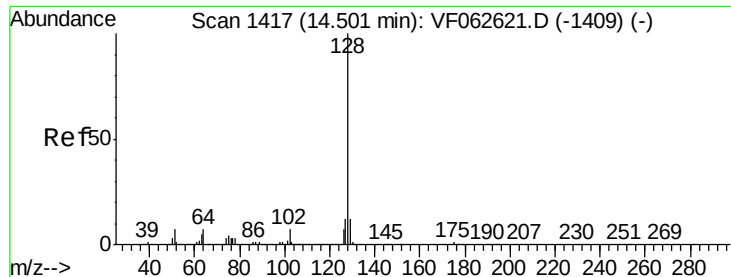
Tot Ion:180 Resp: 741233
 Ion Ratio Lower Upper
 180 100
 182 99.5 49.7 149.1
 145 28.4 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 74.658 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion:225 Resp: 537667
 Ion Ratio Lower Upper
 225 100
 223 60.1 32.5 97.4
 227 66.9 34.5 103.5

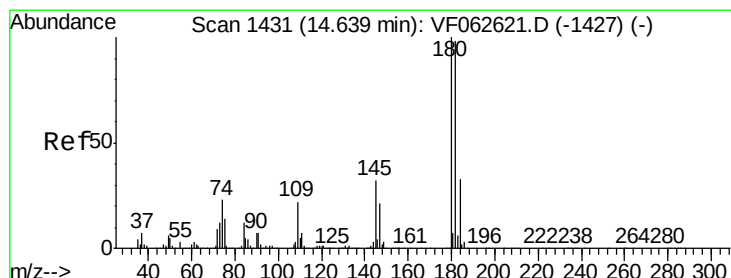
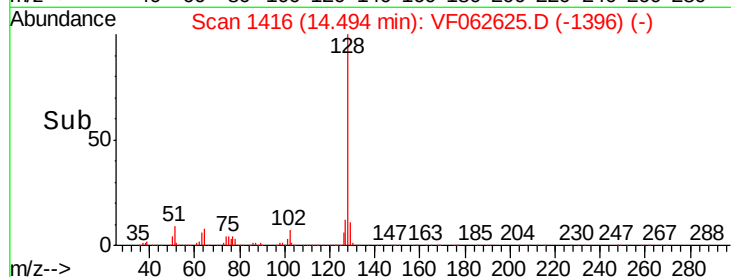
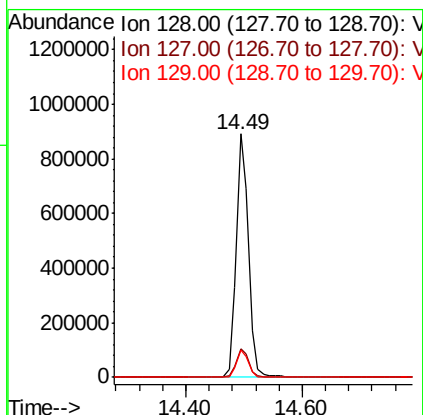
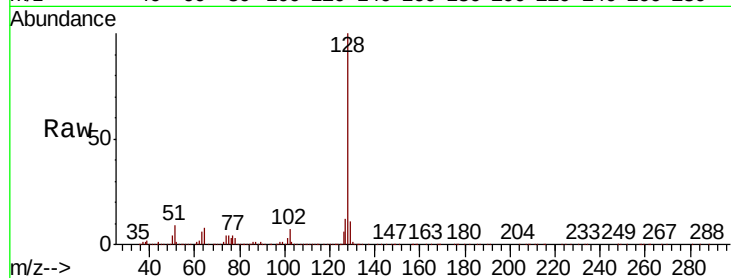




#95
Naphthalene
Concen: 69.207 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1297453
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 11.2 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 73.257 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:180 Resp: 716067
Ion Ratio Lower Upper
180 100
182 99.5 48.9 146.7
145 29.8 16.1 48.2

